Report By:

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

Report: TAB Report

Function: Test, Adjust, & Balance

Date: 08/27/2024

PROJECT

06-03-24 WAWA #5434 PALATKA, FL

625 N State Rd

Palatka, FL 32177

Client

Wawa

260 West Baltimore Pike

Wawa, PA 19063

National TAB

Project: 06-03-24 WAWA #5434 PALATKA, 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

- EF 2 Not Running

Project Issue Information

Issue Name : EF 2 Not Running

Description : EF 2 serving the Water Service Room, was not running at the time of balance. This fan was not balanced. The operation of this fan will not effect the balance or comfort of the rest of the store.

Created By : National TAB

Assigned To : National TAB - Will Turnbough

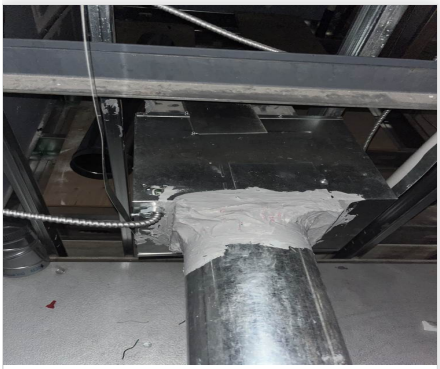
Status : Open

Priority : High

Asset Tag :

Originated Date : 06/13/2024 - Stephen Tassinaro - National TAB

Project Issue File Details



06/13/2024

Project Issue Response Details

- **08/09/2024 National TAB - Mark Johnson**
  - Fan is now operational. Exhaust flow was measured to be 128 CFM (213% of design) and cannot be adjusted as the fan is single-speed.

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	3370	2790	2778	610	592	17.9%	17.6%						
RTU-2	FOOD SERVICE	5000	5035	4100	4163	900	872	18.0%	17.3%						
RTU-3	RETAIL	3000	2997	2460	2474	540	523	18.0%	17.5%						
EF-1	BOH													1550	1579
TOTALS		11400	11402	9350	9415	2050	1987			0	0	0	0	1550	1579

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	2050	1987
TOTAL EXHAUST	1550	1579
NET AIRFLOW	500	408

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H20)
FRONT	0.004
SIDE	
REAR	0.005
AVERAGE	**0.0045**

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

- TECH - SITE PICTURES

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CheckList Information

Name :	TECH - SITE PICTURES	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/31/2024 - Brianna Biggs - National TAB		

CheckList Item Details

STORE FRONT

Comment:

06/13/2024

RTU-1

Comment:

06/13/2024

RTU-2

Comment:

06/13/2024

RTU-3

Comment:

06/13/2024

EF-1

Comment:

06/13/2024

EF-2

Comment:

06/13/2024

CheckList List

- TECH - STEP 1: RTU's/AHU's
- TECH - STEP 2: LENNOX SETUP PARAMETERS
- TECH - STEP 3: SENSOR WIRING (LENNOX)
- TECH - STEP 4: EF'S
- TECH - STEP 5: CLOSEOUT CHECKS

06-03-24 WAWA #5434 PALATKA, FL

CheckList Information

Name :	TECH - STEP 1: RTU's/AHU's	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/31/2024 - Brianna Biggs - 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: N/A - DIRECT DRIVE	
If direct drive unit is the speed controller working?	Pass
Comment:	
Is gas piping installed and valves turned on?	N/A

Comment:

N/A - 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:

NO LEAKAGE FOUND

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 - EAT 71F - LAT 57F RTU 2 - EAT 70F - LAT 59F RTU 3 - EAT 74F - LAT 59F

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

Comment:

RTU 1 - EAT 72F - LAT 78F RTU 2 - N/A - NO HEAT RTU 3 - EAT 74F - LAT 79F

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

Comment:

RTU 1 - EAT 71F - LAT 70F RTU 2 - EAT 71F - LAT 70F RTU 3 - EAT 78F - LAT 77F

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CheckList Information

Name :	TECH - STEP 2: LENNOX SETUP PARAMETERS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/31/2024 - Brianna Biggs - 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 - 70% / RTU 2 - 95% / RTU 3 - 75%

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:	

06-03-24 WAWA #5434 PALATKA, FL

CheckList Information

Name :	TECH - STEP 3: SENSOR WIRING (LENNOX)	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/31/2024 - Brianna Biggs - 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 :	TECH - STEP 4: EF'S	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/31/2024 - Brianna Biggs - National TAB		

CheckList Item Details

EF's

Rotation is correct?	Pass
Comment:	
Belts are tight (if applicable)?	N/A
Comment: N/A - DIRECT DRIVE	
Speed controller installed and functional (if applicable)?	Fail
Comment: NO SPEED CONTROLLER ON EF-2	
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-2 NO SPEED CONTROLLER. EF-1 BALANCED WITHIN 5%.

06-03-24 WAWA #5434 PALATKA, FL

CheckList Information

Name :	TECH - STEP 5: CLOSEOUT CHECKS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	05/31/2024 - Brianna Biggs - 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: 06-03-24 WAWA #5434 PALATKA, FL

System/Unit: AHU/RTU

Asset: RTU1 AREA:RETAIL

Unit Data		
	Design	**Actual**
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5623G01511
Model Num	LCT102H4E	LCT102H4EC1Y
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	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208/230
Rated Amperage	-	8.8
Service Factor	-	NL

Drive Data	
	Actual
Motor Sheave Size	DD
Motor Bore Size	DD
Motor Sheave SetPt	DD
Fan Sheave Size	DD
Fan Sheave Bore	DD
Belt CL Distance	DD
Num of Belts	DD
Belt Size	DD

Test Data		
	Design	**Actual**
SF CFM	3400	3370
RA CFM	2790	2778
OA CFM	610	592
RL Voltage	-	210/210/211
RL Amperage	-	3.7/3.8/3.8
SF System SetPt	-	70% MSAV
RA Damper Position	-	75%
RA Damper Type	-	ECONOMIZER
OA Damper Position	-	25%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.56"
Fan Suction SP	-	-0.83"
Fan Discharge SP	-	0.50"
Total ESP	0.5"	1.06"
Fan Total SP	-	1.33"

Completed By: Stephen Tassinaro on 06/13/2024

National TAB

Project:06-03-24 WAWA #5434 PALATKA, 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	313	294	294	98.0
SGRD2	RETAIL	LD1	10"	300	1	344	318	318	106.0
SGRD3	RETAIL	LD1	10"	300	1	285	299	299	99.7
SGRD4	ASSOCIATES	CD1	8"	150	1	204	136	136	90.7
SGRD5	OFFICE	CD1	8"	150	1	186	141	141	94.0
SGRD6	RETAIL	LD1	10"	315	1	334	339	339	107.6
SGRD7	RETAIL	LD1	10"	290	1	1445	268	268	92.4
SGRD8	DELIVERY VESTIBULE	CD1	8"	200	1	209	187	187	93.5
SGRD9	RETAIL	LD1	10"	290	1	333	287	287	99.0
SGRD10	RETAIL	LD1	10"	290	1	278	265	265	91.4
SGRD11	WOMENS RR	CD3	6"	50	1	78	52	52	104.0
SGRD12	REAR VESTIBULE	CD3	6"	100	1	78	92	92	92.0
SGRD13	MENS RR	CD3	6"	50	1	85	53	53	106.0
SGRD14	RETAIL	LD1	10"	315	1	351	314	314	99.7
SGRD15	RETAIL	LD1	10"	300	1	346	325	325	108.3
Total				3400		4869	3370	3370	99.12%

Completed By: Stephen Tassinaro on 06/13/2024

National TAB

Project: 06-03-24 WAWA #5434 PALATKA, FL

System/Unit: AHU/RTU

Asset: RTU2 AREA:FOOD SERVICE

Unit Data		
	Design	**Actual**
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5623L01908
Model Num	LCT150H4E	LCT150H4EN1Y
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	-	EMBPABST
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208/230
Rated Amperage	-	8.8
Service Factor	-	NL

Drive Data	
	Actual
Motor Sheave Size	DD
Motor Bore Size	DD
Motor Sheave SetPt	DD
Fan Sheave Size	DD
Fan Sheave Bore	DD
Belt CL Distance	DD
Num of Belts	DD
Belt Size	DD

Test Data		
	Design	**Actual**
SF CFM	5000	5035
RA CFM	4100	4163
OA CFM	900	872
RL Voltage	-	210/210/210
RL Amperage	-	8.6/8.7/8.7
SF System SetPt	-	95% MSAV
RA Damper Position	-	72%
RA Damper Type	-	ECONOMIZER
OA Damper Position	-	28%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-1.12"
Fan Suction SP	-	-1.60"
Fan Discharge SP	-	0.68"
Total ESP	0.5"	1.80"
Fan Total SP	-	2.28"

Completed By: Stephen Tassinaro on 06/13/2024

National TAB

Project:06-03-24 WAWA #5434 PALATKA, 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	FOOD SERVICE #1	LD1	10"	500	1	442	432	539	107.8
SGRD2	FOOD SERVICE #1	LD1	10"	500	1	523	394	546	109.2
SGRD3	FOOD SERVICE #1	LD1	10"	500	1	505	293	513	102.6
SGRD4	FOOD SERVICE #2	LD1	12"	550	1	503	583	583	106.0
SGRD5	FOOD SERVICE #2	LD1	12"	550	1	484	620	522	94.9
SGRD6	FOOD SERVICE #2	LD1	12"	550	1	599	527	510	92.7
SGRD7	BACKROOM	CD1	10"	400	1	268	297	430	107.5
SGRD8	BACKROOM	LD1	10"	450	1	324	424	410	91.1
SGRD9	STAGING	CD1	6"	50	1	119	119	52	104.0
SGRD10	BACKROOM	CD1		400	1	379	406	406	101.5
SGRD11	ELECTRICAL ROOM	CD1	12"	550	1	483	524	524	95.3
Total				5000		4629	4619	5035	100.7%

Completed By: Stephen Tassinaro on 06/13/2024

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Project: 06-03-24 WAWA #5434 PALATKA, FL

System/Unit: AHU/RTU

Asset: RTU3 AREA:RETAIL

Unit Data		
	Design	**Actual**
MFG	LENNOX ENLIGHT	LENNOX ENLIGHT
Serial Num	-	5623G01512
Model Num	LCT092H4E	LCT092H4EC1Y
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	-	EMBPABST
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208/230
Rated Amperage	-	8.8
Service Factor	-	NL

Drive Data	
	Actual
Motor Sheave Size	DD
Motor Bore Size	DD
Motor Sheave SetPt	DD
Fan Sheave Size	DD
Fan Sheave Bore	DD
Belt CL Distance	DD
Num of Belts	DD
Belt Size	DD

Test Data		
	Design	**Actual**
SF CFM	3000	2997
RA CFM	2460	2474
OA CFM	540	523
RL Voltage	-	210/210/210
RL Amperage	-	4.5/4.5/4.5
SF System SetPt	-	75% MSAV
RA Damper Position	-	76%
RA Damper Type	-	ECONOMIZER
OA Damper Position	-	24%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.87"
Fan Suction SP	-	-1.10"
Fan Discharge SP	-	0.91"
Total ESP	0.5"	1.78"
Fan Total SP	-	2.01"

Completed By: Stephen Tassinaro on 06/13/2024

National TAB

Project:06-03-24 WAWA #5434 PALATKA, 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 VESTIBULE	CD-2	12"	500	1	689	468	516	103.2
SGRD2	RETAIL AREA	LD-1	10"	350	1	324	331	365	104.3
SGRD3	RETAIL AREA	LD-1	10"	300	1	330	274	302	100.7
SGRD4	SPECIALTY BEVERAGE	LD-1	10"	300	1	247	291	321	107.0
SGRD5	SPECIALTY BEVERAGE	LD-1	10"	350	1	277	313	345	98.6
SGRD6	SPECIALTY BEVERAGE	LD-1	10"	400	1	266	342	377	94.3
SGRD7	FOOD SERVICE	LD-1	10"	400	1	322	337	371	92.8
SGRD8	SPECIALTY BEVERAGE	LD-1	10"	400	1	358	363	400	100.0
Total				3000		2813	2719	2997	99.9%

Completed By: Stephen Tassinaro on 06/13/2024

National TAB

Project: 06-03-24 WAWA #5434 PALATKA, FL

System/Unit: FAN - Exhaust

Asset: EF1 AREA:

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	G-160	G-160-7-VG-1-22-X
Serial Num	-	24662349 24E
Type	DOWNBLAST	CENTRIFUGAL
Configuration	VERTICAL	DOWNBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	VARI-GREEN
Frame	-	NL
Horsepower	3/4	0.75
Motor Rpm	-	1750
Phase	1	1
Voltage (rated)	120	115/208-230
Amperage (rated)	-	8.8/5.4
Service Factor	-	NL

Test Data		
	Design	**Actual**
CFM	1550	1579
Fan RPM	700	DD
Fan Rotation	-	CORRECT
Motor RPM	-	DD
System SetPt	-	7.5
RL Voltage	-	120
RL Amperage	-	5.6
Total ESP	0.250"	0.851"
Fan Inlet SP	-	-0.851"
Fan Discharge SP	-	ATM

Completed By: Stephen Tassinaro on 08/27/2024

National TAB

Project:06-03-24 WAWA #5434 PALATKA, FL

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF1/

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EGRD1	WOMENS RR	G3	6"	100	1	108	119	92	92.0
EGRD2	MENS RR	G3	6"	50	1	114	55	50	100.0
EGRD3	MENS RR	G1	8"	100	1	270	118	94	94.0
EGRD4	FOOD SERVICE 2	G1	10"	400	0	0	0	422	105.5
EGRD5	FOOD SERVICE 2	G1	12"	500	1	554	700	524	104.8
EGRD6	FOOD SERVICE 2	G1	12"	300	1	593	610	302	100.7
EGRD7	STAGING	G1	8"	100	1	459	117	95	95.0
Total				1550		2098	1719	1579	101.87%

Completed By: Stephen Tassinaro on 08/27/2024

National TAB

Project: 06-03-24 WAWA #5434 PALATKA, FL

System/Unit: FAN - Exhaust

Asset: EF2 AREA:

Unit Data		
	Design	**Actual**
MFG	GREENHECK	GREENHECK
Model Num	CSP-B110	CSP-A110
Serial Num	-	NOT LEGIBLE
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

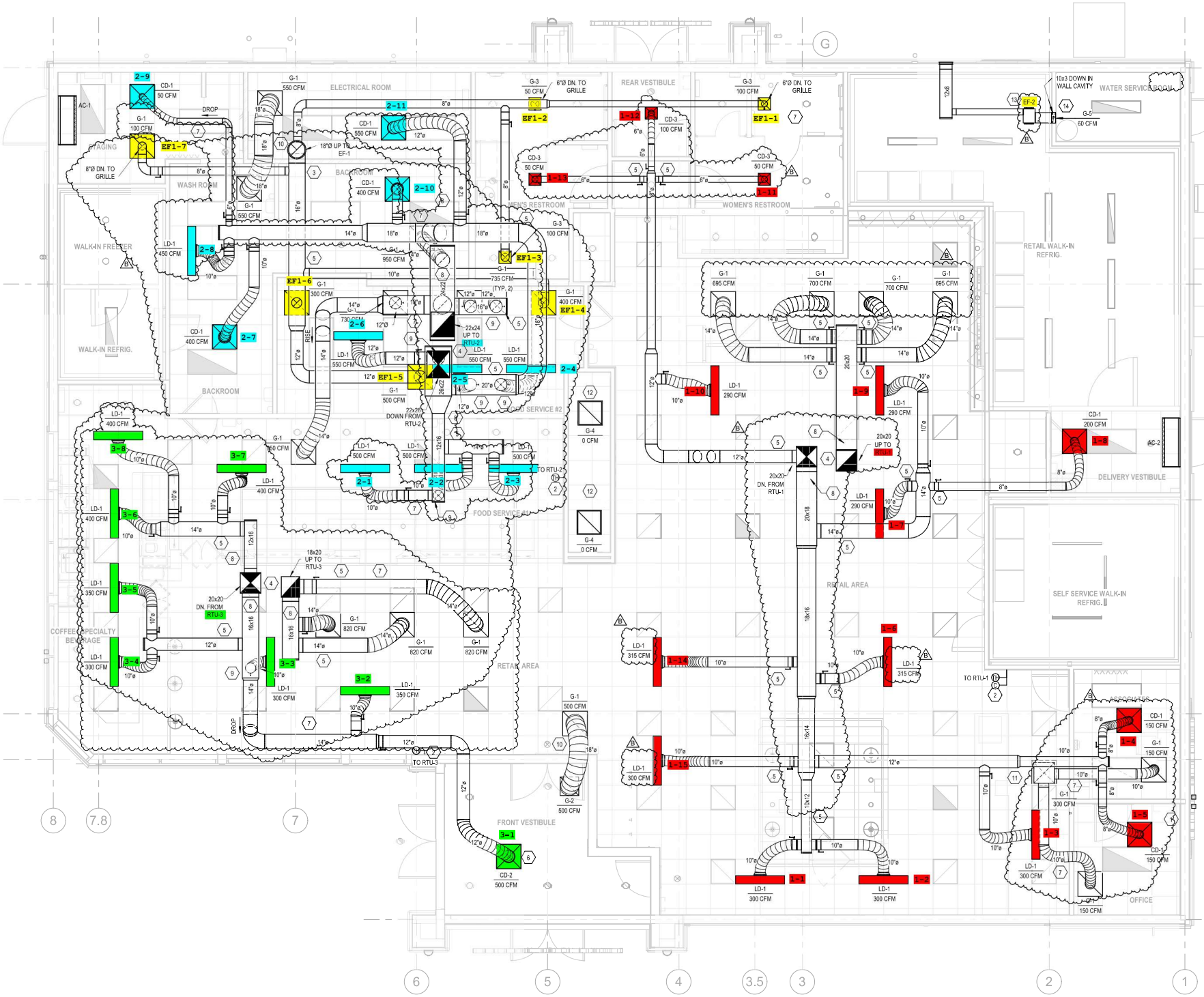
Test Data		
	Design	**Actual**
CFM	60	128
System SetPt	-	SINGLE SPEED

Motor Data		
	Design	**Actual**
Horsepower	21W	NL
Motor Rpm	-	950
Phase	1	1
Voltage (rated)	120	115
Amperage (rated)	-	0.19

Completed By: Stephen Tassinaro on 06/13/2024

Notes:
NO SPEED CONTROLLER LOCATED.

Written By: Stephen Tassinaro on 08/27/2024



1 HVAC FLOOR PLAN
M1.0 1/4" = 1'-0"

Date: 8/27/2024