

Report By:

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Report: TAB

Function: Test, Adjust, & Balance

Date: 12/10/2024

Completed By: National TAB

PROJECT

12-09-24 WAWA #6109 GREENVILLE, NC

3620 SOUTH MEMORIAL DRIVE

GREENVILLE, NC 27834

Client

Wawa

260 West Baltimore Pike

Wawa, PA 19063

National TAB

Project: 12-09-24 WAWA #6109 GREENVILLE, NC

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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

- All RTU's thermostat not wired

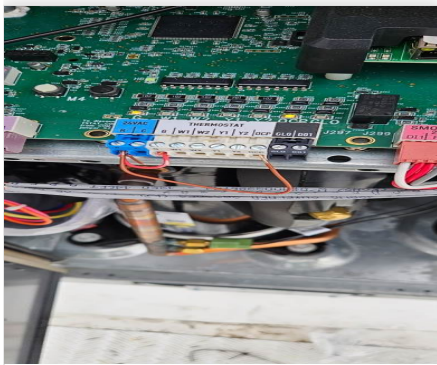


12-09-24 WAWA #6109 GREENVILLE, NC

Project Issue Information

Issue Name : All RTU's thermostat not wired
Description : Thermostats not installed yet. Units are wire jumped at the control panel to be able to TAB. Recommend finishing wiring to ensure correct operation.
Created By : National TAB **Assigned To :** National TAB - Brianna Biggs
Status : Open
Priority : Urgent **Asset Tag :** RTU1
Originated Date : 12/10/2024 - Jearod Ferrette - National TAB

Project Issue File Details



12/10/2024

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	4524	3800	3839	700	685	15.6%	15.1%						
RTU-2	SALES	3400	3350	3020	2961	380	389	11.2%	11.6%						
RTU-3	FOH	2400	2436	2200	2233	200	203	8.3%	8.3%						
EF-1	RESTROOMS													375	385
EF-2	BOH													400	433
EF-3	TRASH ROOM													200	215
TOTALS		10300	10310	9020	9033	1280	1277			0	0	0	0	975	1033

NET BUILDING AIRFLOW CALCULATION

TOTALS	DESIGN	ACTUAL
TOTAL OA	1280	1277
TOTAL EXHAUST	975	1033
NET AIRFLOW	305	244

DOOR TESTED	BUILDING PRESSURE MEASUREMENTS (IN. H2O)
FRONT	0.003
SIDE	0.003
REAR	0.002
AVERAGE	0.0027

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



12-09-24 WAWA #6109 GREENVILLE, NC

CheckList Information

Name : 01: RTU's/AHU's **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 12/05/2024 - Brianna Biggs - National TAB

Completed Date : 12/10/2024 - Jearod Ferrette - 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:

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: EAT:62F, LAT: 54F RTU-2 EAT:62F, LAT 54F RTU-3 EAT 62F, LAT 52F

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

Pass

Comment:

RTU-1: N/A RTU-2 EAT 64F, LAT 92F RTU-3 EAT 62F, LAT 89F

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

Pass

Comment:

RTU-1: N/A RTU2 EAT: 69 LAT: 66 RTU3 EAT 71 LAT 72



12-09-24 WAWA #6109 GREENVILLE, NC

CheckList Information

Name : 02: LENNOX SETUP PARAMETERS **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 12/05/2024 - Brianna Biggs - National TAB
Completed Date : 12/10/2024 - Jearod Ferrette - 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:

RTU 2 NOT SETUP

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 85% RTU2 60% RTU3 84%

HEAT CFM VALUE: PER THE HVAC SCHEDULE

N/A

Comment:

HIGH COOL CFM VALUE: THE HIGH COOL CFM VALUE

N/A

Comment:

LOW COOL CFM VALUE: MATCH THE HIGH COOL CFM VALUE

N/A

Comment:

VENTILATION CFM VALUE: MATCH THE HIGH COOL CFM VALUE

N/A

Comment:



12-09-24 WAWA #6109 GREENVILLE, NC

CheckList Information

Name : 03: SENSOR WIRING (LENNOX) **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 12/05/2024 - Brianna Biggs - National TAB
Completed Date : 12/10/2024 - Jearod Ferrette - 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:

SENSORS ARE NOT INSTALLED



12-09-24 WAWA #6109 GREENVILLE, NC

CheckList Information

Name : 04: EF'S **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 12/05/2024 - Brianna Biggs - National TAB

Completed Date : 12/10/2024 - Jearod Ferrette - 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:

EF's

Rotation is correct?

Pass

Comment:

Belts are tight (if applicable)?

Pass

Comment:

Speed controller installed and functional (if applicable)?

N/A

Comment:

BELT

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:



12-09-24 WAWA #6109 GREENVILLE, NC

CheckList Information

Name : 05: CLOSEOUT CHECKS **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 12/05/2024 - Brianna Biggs - National TAB

Completed Date : 12/10/2024 - Jearod Ferrette - 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:

FRONT 0.003, SIDE 0.003, REAR 0.002

National TAB

Project: 12-09-24 WAWA #6109 GREENVILLE, NC

System/Unit: AHU/RTU



Asset: RTU1

AREA:BOH

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5624G03633
Model Num	LCT150H4E	LCT150H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14X23
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3.75	3.75
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	1

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	4500	4524
SF RPM	-	DD/ 85%
MOTOR RPM	-	DD/ 85%
RA CFM	3800	3839
OA CFM	700	685
RL Voltage	-	215/216/215
RL Amperage	-	5.9/6.0/5.9
SF System SetPt	-	85%
RA Damper Position	-	71%
RA Damper Type	-	OBD
OA Damper Position	-	29%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.63"
Fan Suction SP	-	-1.03"
Fan Discharge SP	-	0.57"
Total ESP	0.70"	1.20"
Fan Total SP	-	1.60"

Completed By: Antonio Flores-De La Cruz on 12/10/2024

Unit Data - PHOTO LOG



12/10/2024

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Project:12-09-24 WAWA #6109 GREENVILLE, NC

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	COFFEE	SD6	12"	500	1	527	685	517	103.4
SGRD2	FOOD SERVICE	SD6	10"	425	1	251	326	401	94.4
SGRD3	FOOD SERVICE	SD6	10"	425	1	372	484	429	100.9
SGRD4	FOOD SERVICE	SD6	10"	425	1	270	351	408	96.0
SGRD5	FOOD SERVICE	SD6	10"	425	1	320	416	417	98.1
SGRD6	FOOD SERVICE	SD6	10"	425	1	279	363	422	99.3
SGRD7	BACK OF HOUSE	SD6	10"	400	1	227	295	393	98.3
SGRD8	BACK OF HOUSE	SD6	10"	400	1	323	420	413	103.3
SGRD9	BACK OF HOUSE	SD6	10"	400	1	308	400	425	106.3
SGRD10	TRASH/STAGING	SD1	10"	300	1	391	508	300	100.0
SGRD11	ELECTRICAL ROOM	SD1	10"	375	1	302	393	399	106.4
Total				4500		3570	4641	4524	100.53%

Diffuser Ret/Exh (GRD)

RTU1/BOH

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	FOOD SERVICE	RG1	14"	870	1	682	682	682	78.4
EGRD2	FOOD SERVICE	RG1	14"	865	1	783	783	783	90.5
EGRD3	FOOD SERVICE	RG1	14"	865	1	935	935	935	108.1
EGRD4	WASHROOM	RG1	16X14	1200	1	1144	1144	1144	95.3
Total				3800		3544	3544	3544	93.26%

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Project: 12-09-24 WAWA #6109 GREENVILLE, NC

System/Unit: AHU/RTU



Asset: RTU2

AREA:

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5624G03636
Model Num	LGT102H4E	LGT102H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	14X23
Num Final Filter 1	-	4
Final Filter Size 1	-	20X25X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	3.75	3.75
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	1

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	3350
SF RPM	-	DD/60%
MOTOR RPM	-	DD/60%
RA CFM	3020	2961
OA CFM	380	389
RL Voltage	-	215/215/216
RL Amperage	-	2.43/ 2.38/ 2.3
SF System SetPt	-	60%
RA Damper Position	-	78%
RA Damper Type	-	OBD
OA Damper Position	-	22%
OA Damper Type	-	OBD

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.57"
Fan Suction SP	-	-0.71"
Fan Discharge SP	-	0.38"
Total ESP	1.00"	0.95"
Fan Total SP	-	1.09"

Completed By: Jearod Ferrette on 12/10/2024

Unit Data - PHOTO LOG



12/10/2024

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Project:12-09-24 WAWA #6109 GREENVILLE, NC

AHU/RTU



Diffuser Supply (GRD)

RTU2/

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
SGRD1	RETAIL	SD2	19X3	275	0.39	411	352	268	97.5
SGRD2	RETAIL	SD2	19X3	275	0.39	400	123	272	98.9
SGRD3	RETAIL	SD2	19X3	300	0.39	433	326	291	97.0
SGRD4	RETAIL	SD2	19X3	275	0.39	421	333	273	99.3
SGRD5	RETAIL	SD2	19X3	275	0.39	465	348	270	98.2
SGRD6	RETAIL	SD2	19X3	275	0.39	187	173	271	98.5
SGRD7	RETAIL	SD2	19X3	275	0.39	239	240	277	100.7
SGRD8	RETAIL	SD2	19X3	275	0.39	316	281	278	101.1
SGRD9	RETAIL	SD2	19X3	275	0.39	511	444	277	100.7
SGRD10	HALLWAY	SD1	8"	200	1	182	145	202	101.0
SGRD11	DELIVERY ROOM	SD1	8"	250	1	165	127	229	91.6
SGRD12	WOMENS RR	SD5	8"	100	1	214	164	108	108.0
SGRD13	MENS RR	SD5	8"	150	1	200	149	148	98.7
SGRD14	REAR VESTIBULE	SD5	8"	200	1	186	168	186	93.0
Total				3400		4330	3373	3350	98.53%

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Project: 12-09-24 WAWA #6109 GREENVILLE, NC

System/Unit: AHU/RTU



Asset: RTU3

AREA:FOH

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5624H0787
Model Num	LGT072H4E	LGT072H4E
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	14.5X23.25
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	1.5	1.5
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	4.4
Service Factor	-	1

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	2400	2436
SF RPM	-	DD/84%
MOTOR RPM	-	DD/84%
RA CFM	2200	2233
OA CFM	200	203
RL Voltage	-	214/215/214
RL Amperage	-	3.3/3.2/3.3
SF System SetPt	-	84%
RA Damper Position	-	81%
RA Damper Type	-	OBD
OA Damper Position	-	19%
OA Damper Type	-	OBD

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.66"
Fan Suction SP	-	-0.83"
Fan Discharge SP	-	0.66"
Total ESP	0.50"	1.32"
Fan Total SP	-	1.49"

Completed By: Antonio Flores-De La Cruz on 12/10/2024

Unit Data - PHOTO LOG



12/10/2024

National TAB

Project:12-09-24 WAWA #6109 GREENVILLE, NC

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	VESTIBULE	SD5	6"	250	1	175	250	260	104.0
SGRD2	RETAIL	SD2	19X3	450	0.39	322	432	442	98.2
SGRD3	RETAIL	SD2S	19X3	450	0.39	333	439	449	99.8
SGRD4	RETAIL	D2	19X3	450	0.39	343	448	458	101.8
SGRD5	RETAIL	SD2	19X3	450	0.39	370	455	465	103.3
SGRD6	ASSOCIATE	SD5	8"	200	1	176	255	204	102.0
SGRD7	OFFICE	SD5	8"	150	1	189	276	158	105.3
Total				2400		1908	2555	2436	101.5%

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Project: 12-09-24 WAWA #6109 GREENVILLE, NC

System/Unit: FAN - Exhaust



Asset: EF1

AREA:RESTROOMS

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	GB-098-6
Serial Num	-	25718475
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	48Y
Horsepower	0.167	0167
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	3.6
Service Factor	-	1.15

Test Data		
	Design	Actual
CFM	375	385
Fan RPM	-	1345
Fan Rotation	-	CW
Motor RPM	-	1752
System SetPt	-	2 TO
RL Voltage	115	120
RL Amperage	-	NA
Total ESP	0.38"	0.27"
Fan Inlet SP	-	-0.27"
Fan Discharge SP	-	ATM

Completed By: Antonio Flores-De La Cruz on 12/09/2024

Notes:

MOTOR SHEAVE: VP25

MOTOR BORE: 0.5"

FAN SHEAVE: AK34

FAN BORE: 0.75"

CL: 5"

BELT: 3L180

EFs ARE THE SAME MODEL, JUST INSTALLED BACKWARDS ON ROOF

Written By: Antonio Flores-De La Cruz on 12/09/2024

Unit Data - PHOTO LOG



12/10/2024

National TAB

Project:12-09-24 WAWA #6109 GREENVILLE, NC

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	WOMENS RR	EG1	8X8	150	0.59	187	127	154	102.7
EGRD2	MENS RR	EG1	8X8	225	0.59	163	190	231	102.7
Total				375		350	317	385	102.67%

National TAB

Project: 12-09-24 WAWA #6109 GREENVILLE, NC

System/Unit: FAN - Exhaust



Asset: EF2

AREA:BOH/FRONT

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	GB-098-6
Serial Num	-	25718476
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	400	433
Fan RPM	-	998
Fan Rotation	-	CW
Motor RPM	-	1752
System SetPt	-	4 TO
RL Voltage	-	120
RL Amperage	-	NA
Total ESP	0.38"	0.35"
Fan Inlet SP	-	-0.35"
Fan Discharge SP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	48Y
Horsepower	0.167	0.167
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	3.6
Service Factor	-	1.15

Completed By: Antonio Flores-De La Cruz on 12/09/2024

Notes:
 MOTOR SHEAVE: VP25
 MOTOR BORE: 0.5"
 FAN SHEAVE: AK34
 FAN BORE: 0.75"
 CL: 5"
 BELT: 3L180

Written By: Antonio Flores-De La Cruz on 12/09/2024

Unit Data - PHOTO LOG



12/10/2024

National TAB

Project:12-09-24 WAWA #6109 GREENVILLE, NC

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF2/BOH/FRONT

Asset									
Asset Name	Location	Type	Size	DESIGN CFM	AK	CFM(1)	CFM(2)	FINAL CFM	% to design
EGRD1	FOOD SERVICE	RG2	8X8	200	0.97	292	216	216	108.0
EGRD2	BACK OF HOUSE	RG2	8X8	200	0.97	219	217	217	108.5
Total				400		511	433	433	108.25%

National TAB

Project: 12-09-24 WAWA #6109 GREENVILLE, NC

System/Unit: FAN - Exhaust



Asset: EF3

AREA:TRASH/STAGING

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	SP-B200	SP-B200
Serial Num	-	188135100-002
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Test Data		
	Design	Actual
CFM	200	215
Fan RPM	-	DIRECT DRIVE
Fan Rotation	-	CW
Motor RPM	-	1000
System SetPt	-	1 SPEED
RL Voltage	-	120
RL Amperage	-	2.7
Total ESP	0.50"	0.07"
Fan Inlet SP	-	-0.07"
Fan Discharge SP	-	ATM

Motor Data		
	Design	Actual
Motor MFG	-	GREENHECK
Frame	-	NL
Horsepower	0.03	0.03
Motor Rpm	1000	1000
Phase	1	1
Voltage (rated)	115	120
Amperage (rated)	-	2.7
Service Factor	-	1

Completed By: Antonio Flores-De La Cruz on 12/09/2024

Unit Data - PHOTO LOG



12/10/2024

