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Report: TAB

Function: Test, Adjust, & Balance

Date: 12/18/2024

Completed By: National TAB

PROJECT

11-18-24 WAWA #6115 GOLDSBORO, NC

3606 MEDICAL OFFICE PL

GOLDSBORO, NC 27534

Client

Wawa

260 West Baltimore Pike

Wawa, PA 19063

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Project: 11-18-24 WAWA #6115 GOLDSBORO, 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.

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Project: 11-18-24 WAWA #6115 GOLDSBORO, NC

- [Open 6115_BS.xlsx](#)

CheckList List

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



11-18-24 WAWA #6115 GOLDSBORO, NC

CheckList Information

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

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 11/14/2024 - Brianna Biggs - National TAB

Completed Date : 12/12/2024 - Antonio Flores-De La Cruz - 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:

DIRECT DRIVE

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: 55F/ LAT: 69 RTU-2: EAT: 55F/ LAT: 68 RTU-3: EAT: 55F/ LAT: 68

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

Pass

Comment:

RTU-1: EAT: 90F/ LAT: 71 RTU-2: EAT: 90F/ LAT: 70 RTU-3: EAT: 90F/ LAT: 70

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

Pass

Comment:

RTU-1: EAT: 98F/ LAT: 71 RTU-2: EAT: 98F/ LAT: 70 RTU-3: EAT: 98F/ LAT: 70



11-18-24 WAWA #6115 GOLDSBORO, NC

CheckList Information

Name : 02: LENNOX SETUP PARAMETERS **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 11/14/2024 - Brianna Biggs - National TAB

Completed Date : 12/11/2024 - Antonio Flores-De La Cruz - 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:

RTU-1: 72% RTU-2: 49% RTU-3: 55%

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:



11-18-24 WAWA #6115 GOLDSBORO, NC

CheckList Information

Name : 03: SENSOR WIRING (LENNOX) **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 11/14/2024 - Brianna Biggs - National TAB
Completed Date : 12/11/2024 - Antonio Flores-De La Cruz - 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:



11-18-24 WAWA #6115 GOLDSBORO, NC

CheckList Information

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

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 11/14/2024 - Brianna Biggs - National TAB

Completed Date : 12/11/2024 - Antonio Flores-De La Cruz - 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%?

Pass

Comment:



11-18-24 WAWA #6115 GOLDSBORO, NC

CheckList Information

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

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 11/14/2024 - Brianna Biggs - National TAB

Completed Date : 12/11/2024 - Antonio Flores-De La Cruz - 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: 0.005" SIDE: 0.005" REAR: 0.004"

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Project: 11-18-24 WAWA #6115 GOLDSBORO, NC

System/Unit: AHU/RTU



Asset: RTU1

AREA:BACK OF HOUSE

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5624J04444
Model Num	LGT120H4E	LGT120H4EM1Y
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	-	EBMPAST
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NA
Phase	3	3
Rated Voltage	208	208
Rated Amperage	8.7	8.7
Service Factor	-	1

Drive Data	
	Actual
Motor Sheave Size	DD

Test Data		
	Design	Actual
SF CFM	3600	3733
SF RPM	-	DIRECT DRIVE
MOTOR RPM	-	DIRECT DRIVE
RA CFM	2900	3048
OA CFM	700	685
RL Voltage	-	210/209/210
RL Amperage	-	4.3/4.4/4.3
SF System SetPt	-	72% POWER
RA Damper Position	-	74%
RA Damper Type	-	OBD
OA Damper Position	-	26%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	0.60"
Fan Suction SP	-	-0.78"
Fan Discharge SP	-	0.73"
Total ESP	0.70"	1.33"
Fan Total SP	-	1.51"

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

Unit Data - PHOTO LOG



12/12/2024

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Project:11-18-24 WAWA #6115 GOLDSBORO, NC

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	COFFEE	SD4	10"	300	1	429	296	306	102.0
SGRD2	SPECIALTY BEVERAGE	SD4	10"	300	1	270	293	303	101.0
SGRD3	FOOD SERVICE	SD4	10"	300	1	330	303	303	101.0
SGRD4	FOOD SERVICE	SD4	10"	300	1	314	344	324	108.0
SGRD5	FOOD SERVICE	SD4	10"	300	1	375	309	309	103.0
SGRD6	FOOD SERVICE	SD4	10"	300	1	310	363	313	104.3
SGRD7	FOOD SERVICE	SD4	10"	300	1	298	329	319	106.3
SGRD8	BACK OF HOUSE	SD4	10"	325	1	314	352	353	108.6
SGRD9	BACK OF HOUSE	SD4	10"	325	1	306	342	342	105.2
SGRD10	BACK OF HOUSE	SD4	10"	325	1	290	301	331	101.8
SGRD11	TRASH/STAGING3	SD1	8"	200	1	285	192	202	101.0
SGRD12	ELECTRICAL ROOM	SD1	10"	325	1	448	308	338	104.0
Total				3600		3969	3732	3743	103.97%

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	FOOD SERVICE	RG1	14X14	900	1	891	917	936	104.0
EGRD2	FOOD SERVICE	RG1	14X14	900	1	1001	924	931	103.4
EGRD3	WASHROOM	RG1	14X14	1100	1	1137	1168	1154	104.9
Total				2900		3029	3009	3021	104.17%

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Project: 11-18-24 WAWA #6115 GOLDSBORO, NC

System/Unit: AHU/RTU



Asset: RTU2

AREA:SALES

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5624K01031
Model Num	LGT120H4E	LGT120H4EM2Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	2
OA Filter Size 1	-	23.25x14.25
Num Final Filter 1	-	4
Final Filter Size 1	-	20x25x2

Motor Data		
	Design	Actual
Motor MFG	-	EDM PAPST
Frame	-	NL
Horsepower	3.75	3.8
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	8.7
Service Factor	-	1

Drive Data	
	Actual
Motor Sheave Size	DD

Test Data		
	Design	Actual
SF CFM	3250	3304
SF RPM	-	DIRECT DRIVE
MOTOR RPM	-	DIRECT DRIVE
RA CFM	2870	2913
OA CFM	380	391
RL Voltage	-	209/210/211
RL Amperage	-	1.7/1.8/1.7
SF System SetPt	-	49% (ALL)
RA Damper Position	-	69%
RA Damper Type	-	OBD
OA Damper Position	-	31%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.19"
Fan Suction SP	-	-0.32"
Fan Discharge SP	-	0.40"
Total ESP	1.00"	0.59"
Fan Total SP	-	0.72"

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Unit Data - PHOTO LOG



11/20/2024



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Project:11-18-24 WAWA #6115 GOLDSBORO, NC

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	RETAIL	SD2	19X3	300	0.40	520	332	313	104.3
SGRD2	RETAIL	SD2		275	0.40	516	330	310	112.7
SGRD3	RETAIL	SD2		275	0.40	512	326	290	105.5
SGRD4	RETAIL	SD2		300	0.40	440	281	301	100.3
SGRD5	RETAIL	SD2		275	0.40	530	240	290	105.5
SGRD6	RETAIL	SD2		300	0.40	478	306	306	102.0
SGRD7	RETAIL	SD2		300	0.40	426	272	302	100.7
SGRD8	RETAIL	SD2		275	0.40	424	271	271	98.5
SGRD9	RETAIL	SD2		275	0.40	421	270	270	98.2
SGRD10	WOMENS RR	SD5	8"	75	1	129	85	73	97.3
SGRD11	HALLWAY	SD1	8"	100	1	207	137	95	95.0
SGRD12	DELIVERY ROOM	SD1	8"	200	1	159	105	191	95.5
SGRD13	MENS RR	SD5	8"	150	1	161	106	146	97.3
SGRD14	REAR VESTIBULE	SD5	8"	150	1	167	110	146	97.3
Total				3250		5090	3171	3304	101.66%

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Project: 11-18-24 WAWA #6115 GOLDSBORO, NC

System/Unit: AHU/RTU



Asset: RTU3

AREA:FRONT OF HOUSE

Unit Data		
	Design	Actual
MFG	LENNOX	LENNOX
Serial Num	-	5624F06176
Model Num	LGT060H4E	LGT060H4EB1Y
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	14.5X29
Num Final Filter 1	-	4
Final Filter Size 1	-	20x20x2

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

Drive Data	
	Actual
Motor Sheave Size	DD

Test Data		
	Design	Actual
SF CFM	2000	1989
SF RPM	-	DIRECT DRIVE
MOTOR RPM	-	DIRECT DRIVE
RA CFM	1800	1785
OA CFM	200	204
RL Voltage	-	210/209/210
RL Amperage	-	4.5/4.6/4.5
SF System SetPt	-	55% SPEED
RA Damper Position	-	96%
RA Damper Type	-	OBD
OA Damper Position	-	4%
OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.27"
Fan Suction SP	-	-0.37"
Fan Discharge SP	-	0.63"
Total ESP	0.50"	0.90"
Fan Total SP	-	1.00"

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

Unit Data - PHOTO LOG



12/12/2024

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Project:11-18-24 WAWA #6115 GOLDSBORO, NC

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	VESTIBULE	SD5	8"	200	1	136	145	186	93.0
SGRD2	RETAIL	SD2	19X3	375	0.40	402	350	370	98.7
SGRD3	RETAIL	SD2	19X3	375	0.40	456	397	377	100.5
SGRD4	RETAIL	SD2	19X3	375	0.40	438	381	381	101.6
SGRD5	RETAIL	SD2	19X3	375	0.40	449	391	391	104.3
SGRD6	ASSOCIATE AREA	SD1	6"	150	1	223	144	144	96.0
SGRD7	OFFICE	SD1	6"	150	1	185	140	140	93.3
Total				2000		2289	1948	1989	99.45%

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Project: 11-18-24 WAWA #6115 GOLDSBORO, 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	-	25401603
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	NL
Horsepower	0.167	0.167
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	3.8
Service Factor	-	1.35

Test Data		
	Design	Actual
CFM	375	378
Fan RPM	-	960
Fan Rotation	-	CW
Motor RPM	-	1752
System SetPt	-	4 TO
RL Voltage	-	120
RL Amperage	-	NA
Total ESP	0.38"	0.25"
Fan Inlet SP	-	-0.25"
Fan Discharge SP	-	ATM

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

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Unit Data - PHOTO LOG



12/12/2024

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Project:11-18-24 WAWA #6115 GOLDSBORO, 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	185	151	100.7
EGRD2	MENS RR	EG1	8X8	225	0.59	277	277	227	100.9
Total				375		464	462	378	100.8%

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Project: 11-18-24 WAWA #6115 GOLDSBORO, NC

System/Unit: FAN - Exhaust



Asset: EF2

AREA:SERVING

Unit Data		
	Design	Actual
MFG	GREENHECK	GREENHECK
Model Num	GB-098-6	GB-098-6
Serial Num	-	25401602
Type	DOWNBLAST	DOWNBLAST
Configuration	VERTICAL	VERTICAL

Test Data		
	Design	Actual
CFM	400	430
Fan RPM	-	1101
Fan Rotation	-	CW
Motor RPM	-	1754
System SetPt	-	5 TO
RL Voltage	-	120
RL Amperage	-	NA
Total ESP	0.38"	0.31"
Fan Inlet SP	-	-0.31"
Fan Discharge SP	-	ATM

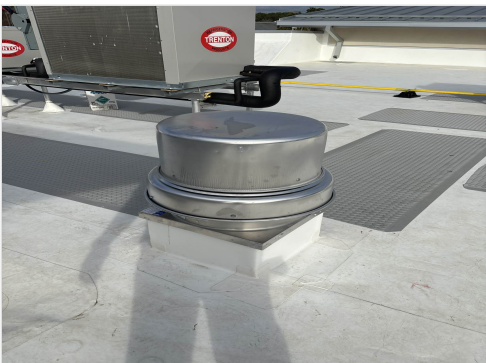
Motor Data		
	Design	Actual
Motor MFG	-	US MOTORS
Frame	-	NL
Horsepower	0.167	0.167
Motor Rpm	1725	1725
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	3.8
Service Factor	-	1.35

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

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

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Unit Data - PHOTO LOG



12/12/2024

National TAB

Project:11-18-24 WAWA #6115 GOLDSBORO, NC

FAN - Exhaust



Diffuser Ret/Exh (GRD)

EF2/SERVING

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	227	218	218	109.0
EGRD2	FOOD SERVICE	RG2	8X8	200	0.97	229	212	212	106.0
Total				400		456	430	430	107.5%

National TAB

Project: 11-18-24 WAWA #6115 GOLDSBORO, 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	-	1844548260057
Type	INLINE	INLINE
Configuration	HORIZONTAL	HORIZONTAL

Test Data		
	Design	Actual
CFM	200	185
Fan RPM	-	DIRECT DRIVE
Fan Rotation	-	CW
Motor RPM	-	1000
System SetPt	-	MAX SPEED ON DIAL
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	0.167	0.03
Motor Rpm	1000	1000
Phase	1	1
Voltage (rated)	115	115
Amperage (rated)	-	2.7
Service Factor	-	1

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

Unit Data - PHOTO LOG



1 HVAC FLOOR PLAN
1/8" = 1'-0"

