Report By:

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

Report: TAB Report

Function: Test, Adjust, & Balance

Date: 10/27/2023

PROJECT

10-23-23 WALGREENS #11134 - SMYRNA, DE

700 JIMMY DR

SMYRNA, DE 19977

Client

Walgreens

200 WILMOT RD

DEERFIELD, IL 60015

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.

Kitchen Exhaust Hood & Associated Fans
Each kitchen exhaust fan was measured at the hood filter bay utilizing a velocity matrix and a manufacturer's correction factor. Each filter velocity is multiplied by the manufacturer's corrected area. The sum of these readings equals the total flow of the exhaust fans. The total flow of the exhaust was then adjusted to within tolerance of the design flow. . Any EF's that fell outside of this tolerance is noted throughout the report.

MUA (Make Up Air Unit) w/ PSP
Total flow for the MAU (Make-up Air Unit) unit was measured by readings taken at the discharge of the hood's perforated supply plenum. Readings taken with a velocity matrix were averaged and multiplied by a manufacturer's corrected area. Adjustments to the fan speed were made in order to bring the unit to within design tolerance. Any MUA's that fell outside of this 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.

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 of -0.02" wc to +0.02" wc and that the pressure measurement coincides with the actual and design net airflow. Any deviations from these standards are noted throughout the report.
The hood capture was tested at the perimeter of the hood and the cook top level with the equipment heat on to ensure satisfactory hood capture and containment.

Issue List

- CONTROLLER: Baud rate setting
- CONTROLS: EconFitDetectEn
- CONTROLS: Enthalpy reference
- CONTROLS: HtgAdapTunEn
- CONTROLS: RTU Addresses/IDs
- DIFFUSER 6-2 NO DAMPER
- EH-1 Not running correctly
- NOTE: COOLING AND DEHUM TESTS
- RTU's 2, 4, 5: COMMUNICATION ERROR
- RTU-1 Diffuser 3 No damper
- RTU-1, 5, & 6 require pulley changes
- RTU-5 programmed for fan Auto
- Temperature Setpoints

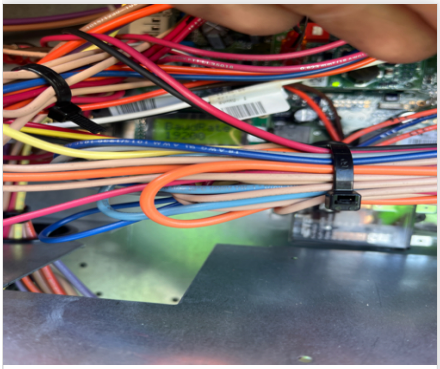
10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name : CONTROLLER: Baud rate setting
Description : Baudrate setting not set to auto. All units set to 19200

Created By : National TAB
Assigned To : National TAB - Tyler Youells
Status : Open
Priority :
Asset Tag :
Originated Date : 10/25/2023 - Tyler Youells - National TAB

Project Issue File Details



Baudrate
10/25/2023

10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name : CONTROLS: EconFitDetectEn

Description : Econ fit detect En is set to disabled when it should be enabled.

Created By : National TAB

Assigned To : National TAB - Tyler Youells

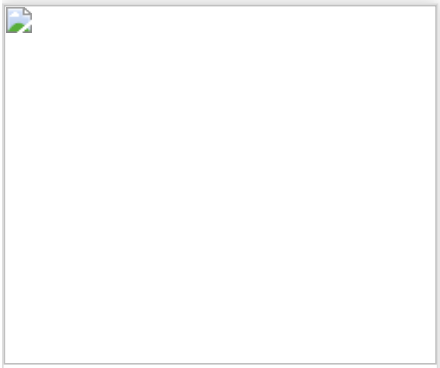
Status : Open

Priority :

Asset Tag :

Originated Date : 10/25/2023 - Tyler Youells - National TAB

Project Issue File Details



Econfitdetect
10/25/2023

10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name : CONTROLS: Enthalpy reference

Description : Under Econ free cooling selection it is set to auto for all units when it should be set to single enthalpy. All enthalpy engage setpoints are 27B/# when they should be 24B/#

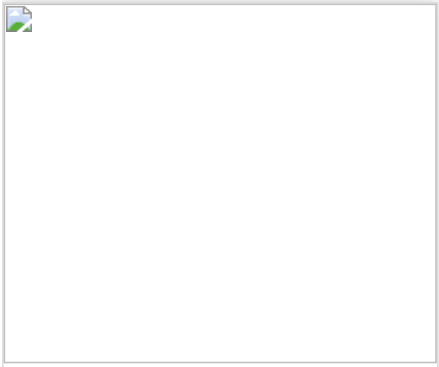
Created By : National TAB **Assigned To :** National TAB - Tyler Youells

Status : Open

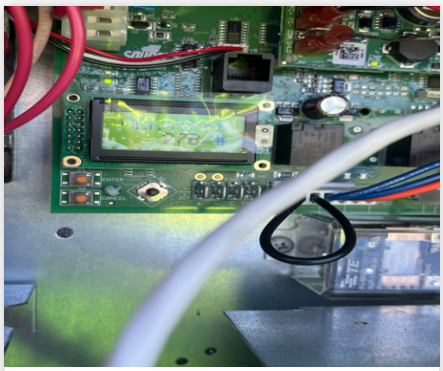
Priority : **Asset Tag :**

Originated Date : 10/25/2023 - Tyler Youells - National TAB

Project Issue File Details



Selectionauto
10/25/2023



Enthalpyengagestpoint..
10/25/2023

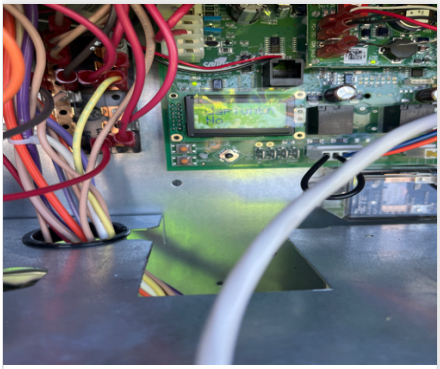
10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name : CONTROLS: HtgAdapTunEn
Description : Heating adap Tun En has not been set to yes for all units

Created By : National TAB
Assigned To : National TAB - Tyler Youells
Status : Open
Priority :
Asset Tag :
Originated Date : 10/25/2023 - Tyler Youells - National TAB

Project Issue File Details



Htgadaptunen
10/25/2023

10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name :	CONTROLS: RTU Addresses/IDs		
Description :	Rtu addresses and IDs are all set to rtu# +4		
Created By :	National TAB	**Assigned To :**	National TAB - Tyler Youells
Status :	Open		
Priority :		**Asset Tag :**	
Originated Date :	10/25/2023 - Tyler Youells - National TAB		

10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name : DIFFUSER 6-2 NO DAMPER

Description : Diffuser 6-2 does not have a damper installed. Unable to proportionally balance diffusers

Created By : National TAB

Assigned To : National TAB - Tyler Youells

Status : Open

Priority :

Asset Tag :

Originated Date : 01/02/2024 - Tyler Youells - National TAB

Project Issue File Details

Missingdamper62
01/02/2024

10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name : EH-1 Not running correctly

Description : Found flow was extremely low and blower rotation incorrect. Flipped phases and confirmed correct rotation now blower will kick on for two seconds then shut off, back on then off. Unable to balance unit

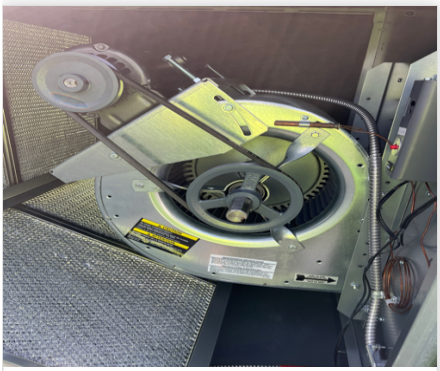
Created By : National TAB **Assigned To :** National TAB - Tyler Youells

Status : Open

Priority : **Asset Tag :**

Originated Date : 10/26/2023 - Tyler Youells - National TAB

Project Issue File Details



Blowerwontstayon
10/26/2023

10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name :	NOTE: COOLING AND DEHUM TESTS		
Description :	Unable perform cooling and dehumidification tests on RTUs due to compressor lockouts caused by low ambient temperatures.		
Created By :	National TAB	**Assigned To :**	National TAB - Tyler Youells
Status :	Open		
Priority :		**Asset Tag :**	
Originated Date :	01/02/2024 - Tyler Youells - National TAB		

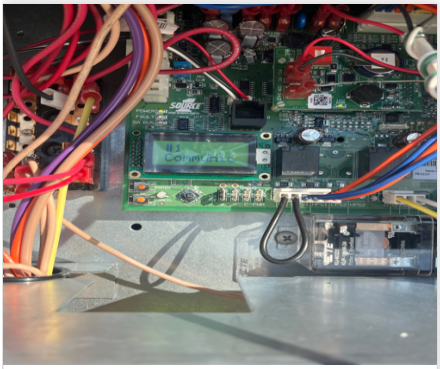
10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name : RTU's 2, 4, 5: COMMUNICATION ERROR
Description : Rtu-2, 4, &5 have a stage 4 communication error alarm.

Created By : National TAB
Assigned To : National TAB - Tyler Youells
Status : Open
Priority :
Asset Tag :
Originated Date : 10/25/2023 - Tyler Youells - National TAB

Project Issue File Details



Communicationerror.jp..
10/25/2023

10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name : RTU-1 Diffuser 3 No damper

Description : Diffusers is attached to the termination of the main trunkline and there is no visible damper. Flow is high above prescribed 700CFM (851/700cfm). Diffuser is located in front of vestibule, so higher airflow may be preferred. Walgreens/Sevan to advise.

Created By : National TAB

Assigned To : National TAB - Tyler Youells

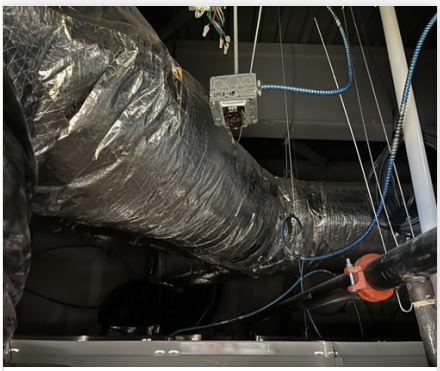
Status : Open

Priority :

Asset Tag :

Originated Date : 10/26/2023 - Tyler Youells - National TAB

Project Issue File Details



Nodamper(1)
10/26/2023

10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name : RTU-1, 5, & 6 require pulley changes

Description : RTU's 1, 5, & 6 require pulley changes. Unable to source parts in time while on site. Will need to change pulleys during return trip.

Created By :	National TAB	**Assigned To :**	National TAB - Will Turnbough
Status :	Closed		
Priority :	InfoOnly	**Asset Tag :**	
Originated Date :	10/27/2023 - Will Turnbough - National TAB		

Project Issue Response Details

- **01/02/2024 National TAB - Tyler Youells**
  - Pulleys have been changed and all units in design flow

10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name :	RTU-5 programmed for fan Auto		
Description :	Rtu-5 is programmed to be fan auto.		
Created By :	National TAB	**Assigned To :**	National TAB - Tyler Youells
Status :	Open		
Priority :	Low	**Asset Tag :**	
Originated Date :	10/25/2023 - Tyler Youells - National TAB		

10-23-23 WALGREENS #11134 - SMYRNA, DE

Project Issue Information

Issue Name :	Temperature Setpoints		
Description :	Temperature setpoints do not match provided ashrae chart. GRIDPOINT does not authorize me to change them. Recommend authorized personnel to adjust the temperature setpoints. Note most setpoints are only off by 1 Degree		
Created By :	National TAB	**Assigned To :**	National TAB - Tyler Youells
Status :	Open		
Priority :		**Asset Tag :**	
Originated Date :	01/02/2024 - Tyler Youells - National TAB		

CheckList List

- TECH - SITE PICTURES

10-23-23 WALGREENS #11134 - SMYRNA, DE

CheckList Information

Name :	TECH - SITE PICTURES	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/20/2023 - Brianna Biggs - National TAB		

CheckList Item Details

STORE FRONT

Comment:

Storefront
10/27/2023

RTU-1

Comment:

Rtu1
10/27/2023

RTU-2

Comment:

Rtu2(1)
10/27/2023

RTU-3

Comment:

Rtu3(1)
10/27/2023

RTU-4

Comment:

Rtu4
10/27/2023

RTU-5

Comment:

Rtu5(2)
10/27/2023

RTU-6

Comment:

Rtu6
10/27/2023

EF-1

Comment:

Ef1
10/27/2023

EF-2

Comment:

Ef2
10/27/2023

EH-1

Comment:

Eh1
10/27/2023

CheckList List

- TECH - 01 RTU INSTALLATION CHECKLIST
- TECH - 02 EXHAUST FANS INSPECTIONS
- TECH - 03 START-UP CONTROLS PROGRAMMING
- TECH - 04 EMS/SENSOR VALIDATION
- TECH - 05 TAB CHECKLIST
- TECH - 06 FUNCTIONAL TESTS
- TECH - 07 TEMPERATURE SETPOINTS
- TECH - 08 ENTRANCE HEATERS

10-23-23 WALGREENS #11134 - SMYRNA, DE

CheckList Information

Name :	TECH - 01 RTU INSTALLATION CHECKLIST	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/19/2023 - Brianna Biggs - National TAB		

CheckList Item Details

General / Exterior Inspections

Verify all required equipment has been replaced per TA and BOM.	Pass

Comment:

All roof equipment has been replaced, no drawings provided.

All units are installed in the proper locations	Pass

Comment:

Unable to verify units in correct location since no drawings were provided.

Units are labeled correctly	Pass

Comment:

Unit labels match model numbers provided

Asset tag installed	Pass

Comment:

Roof is clear of debris.	Pass

Comment:

Maintenance access for all unit access panels is acceptable and panels open freely.	Pass

Comment:

Cabinet and general installation is complete.	Pass
Comment:	
Unit is secure to curb and level horizontally and vertically.	Pass
Comment:	
Access doors close tightly with no leaks	Pass
Comment:	
Condensate and gas piping is properly supported.	Pass
Comment:	
Costgaurd is installed per scope of work and piping unions are cemented.	Pass
Comment:	
Additional Comments	
Comment:	
Interior Inspections	
Fan rotation is correct	Pass
Comment:	
Pulleys are correctly aligned and both motor and fan sheave pins are tightened in place.	Pass
Comment:	
Return air and outside air dampers close tightly with no gaps	Pass
Comment:	
Cabinet and coils are not damaged and in like new condition.	Pass
Comment:	
Inside of unit is clean and clear of debris.	Pass

Comment:

Validate condesate is piped to splash block, draing, or roof drain per code requirements	Pass

Comment:

Verify filters are installed, clean and of proper size. Verify there is no air by-pass around filters.	Pass

Comment:

Curb is sealed with no air leakage.	Pass

Comment:

Additional Comments:

Comment:

Fire/Smoke Alarm Systems

In duct smoke detectors are installed	Pass

Comment:

Fire alarm panel status (visual inspection where possible)

Comment:

states-"all systems normal"

Additional Comments:

Comment:

Electrical

Electrical wiring is complete with no visible damage	Pass

Comment:

Electrical connections are tight with sealtight around any unit penetrations.	Pass

Comment:

Disconnect switch is installed in accessible location near or on unit.	Pass

Comment:

Verify overcurrent protection is HACR type, installed and sized correctly and labeled in panel.	Pass

Comment:

Maintenance electrical outlet is installed and functional.	Pass

Comment:

Main distribution panel is labeled correctly.	Pass

Comment:

Unit ground wire is secured.	Pass

Comment:

Additional Comments:

Comment:

10-23-23 WALGREENS #11134 - SMYRNA, DE

CheckList Information

Name :	TECH - 02 EXHAUST FANS INSPECTIONS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/19/2023 - Brianna Biggs - National TAB		

CheckList Item Details

Fan rotation is correct	Pass
Comment:	
Pulleys are aligned and belts are tensioned properly	
Comment: N/A	
Speed controller installed and functional (direct drive)	
Comment: Yes	
Fan is secured to the curb	Pass
Comment:	
Back draft damper is installed and functional	Pass
Comment:	
No exterior damage to the fan	Pass
Comment:	
No unusual noise or vibration	Pass

Comment:

Controls are functional	Pass

Comment:

Additional Comments:

Comment:

10-23-23 WALGREENS #11134 - SMYRNA, DE

CheckList Information

Name :	TECH - 03 START-UP CONTROLS PROGRAMMING	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/19/2023 - Brianna Biggs - National TAB		

CheckList Item Details

Programming: SE 3.3, 3.4, 4.0

Controller-Network-Address: RTU number + 3	Fail
Comment: No, Rtus address' are all RTU#+4	
Controller-Network-FCBusMode = Wired Field Bus	Pass
Comment:	
Controller-Network-BaudRate = Auto	Fail
Comment: rtus 5,4,3,2,1,6	
Controller-Network-Device ID = RTU number + 3	Fail
Comment: rtus, 5,4,3,2,1,6	
Details-Occ-OffDurUnocc = No	Pass
Comment:	
Details-Clg-Setup-Clg-En = Yes	Pass

Comment:

Details-Clg-Setup-ClgAdapTunEn = Yes	Fail

Comment:

rtu5,4,3,2,1 no

Details-Htg-Setup-Htg-En = Yes	Pass

Comment:

Details-Htg-Setup-#HtgStgs = 2 Stages	Pass

Comment:

Details-Htg-Setup-HtgAdapTunEn = Yes	Fail

Comment:

rtu5,4,3,2,1,6 no

Details-Htg-Setup-#GasVlvs = 1 (Set to 0 for Hp and Elect Heat)	Pass

Comment:

Details-Fan-Setup-Fan Ctl-Type = No VFD select "Single Speed", W/VFD select "Fixed Variable"	Pass

Comment:

Details-Fan-Setup-FanOnOcc = Yes	Fail

Comment:

rtu5,no

Details-Fan-Setup-FanOnDlyHeat = 30s (Set to 0 for HP or Electric Heat)	Pass

Comment:

Details-Fan-Setup-FanOnly-%Cmd = 50%	Pass

Comment:

rtu-1,3 50%

Details-Fan-Setup-1ClgStg-%Cmd = 70%	

Comment:

rtu-3 48% rtu-1 66%

Details-Fan-Setup-2Clgstg-%Cmd = 100% (2stage Unit) or 80% (3 and 4 stage)

Comment:

rtu-3 66% rtu-1 100%

Details-Fan-Setup-3ClStg-%Cmd = 100% (3 stage unit) or 90% (4 stage) Pass

Comment:

rtu-3 100%

Details-Fan-Setup-4ClStg-%Cmd = 100% (4 Stage unit) N/A

Comment:

Details-Fan-Setup-1HtgStg-%Cmd = 100%

Comment:

Details-Fan-Setup-2HtgStg-%Cmd = 100%

Comment:

Details-Econ-Setup-Econ-En = Yes Pass

Comment:

Details-Econ-Setup-Econ-MinPos = Set to minimum outside air requirements. Pass

Comment:

Details-Econ-Setup-LowSpdFan-MinPos = Set minimum 1% above EconMinPos Pass

Comment:

Details-Econ-Setup-FreeClg-Sel = Single Enthalpy Fail

Comment:

auto1,2,3,4,5,6

Details-Econ-Setup-EconOAEnth-Sp 4= 24 Btu/lb Fail

Comment:

4 27b 3, 2,1

Details-Econ-Setup-Dvent-Mode = Enable	Pass

Comment:

Details-Econ-Setup-DventMaxEconPos = 50%	Pass

Comment:

Details-Econ-Setup-DventIAP-Sp = 1000	Pass

Comment:

Details-Econ-Setup-EconFltDetectEn = Enable	Fail

Comment:

rtu5,4,3 disabled 2,1

Additional Comments:

Comment:

Non ZR Units only:

Details-HGR-Setup-HGR-En = No	N/A

Comment:

HGR not an option under details 5,4,3

Details-HGR-Setup-HGRAlt-En = No	N/A

Comment:

Details - HGR-Setup-HGRUnocc-En = No	N/A

Comment:

Details-HGR-Setup-Mode = No	N/A

Comment:

Additional Comments:

Comment:

HGR NOT AN OPTION FOR ANY UNITS

ZR Units - Reheat Units only:

Details-HGR-Setup-HGR-En = Yes	N/A

Comment:

Details-HGR-Setup-HGRAlt-En = Yes	N/A

Comment:

Details - HGR-Setup-HGRUnocc-En = Yes	N/A

Comment:

Details-HGR-Setup-Mode = No	N/A

Comment:

Additional Comments:

Comment:

HGR NOT AN OPTION FOR ANY UNITS

10-23-23 WALGREENS #11134 - SMYRNA, DE

CheckList Information

Name : TECH - 04 EMS/SENSOR VALIDATION **Status :** Not Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 10/19/2023 - Brianna Biggs - National TAB

CheckList Item Details

RTU supply air temp sensor location located per start-up binder.	Pass
Comment:	
RTU return air temp sensor location located per start-up binder.	Pass
Comment:	
RTU return air smoke detector (when applicable) is located per start-up binder.	Pass
Comment:	
Space temperature sensor has been replaced and location meets requirements.	Pass
Comment:	
Space humidity sensor has been replaced and location meets requirements.	Pass
Comment:	
Unit is being controlled by a space temperature sensor or thermostat	Pass
Comment:	
EMS has been connected and validated with TOC or Gridpoint. Screen shot is available.	Pass
Comment:	

No splicing of EMS/Sensor/Thermostat wiring is visible	Pass

Comment:

(If Applicable) 2 Stage Thermostat to SE Board Control Wiring meets detail in start-up binder.

Comment:

yes

(If Applicable) 2 Stage Thermostat to 4 Stage Unit meets detail in start-up binder.

Comment:

n/a

(If Applicable) 4 Stage Thermostat to 4 Stage Unit meets detail in start-up binder.

Comment:

n/a

(If Applicable) 3 Stage Thermostat wiring meets detail in start-up binder.

Comment:

n/a

(If Applicable) 3 Stage Thermostat with Humidity sensor wiring meets detail in start-up binder.

Comment:

n/a

(If Applicable) EH Thermostat with SCR control wiring meets detail in start-up binder.

Comment:

Yes

Temperature setpoints are set for correction region and space (see ASHRAE / temperature setpoint chart in procedure)	Fail

Comment:

Additional Comments:

Comment:

10-23-23 WALGREENS #11134 - SMYRNA, DE

CheckList Information

Name :	TECH - 05 TAB CHECKLIST	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/19/2023 - Brianna Biggs - National TAB		

CheckList Item Details

Outside air damper set to minimum air flow requirement and damper position marked.	Pass
Comment:	
Total Supply, return, and outside air volumes meet design tolerances (+/-10%)	Pass
Comment:	
Enclosed area diffusers (Pharmacies, manager office, employee room, restrooms, electrical rooms) balanced within +/-10%?	Fail
Comment:	
Open area diffusers (Sales floor and stock room) balanced within +/-25% of design?	Pass
Comment:	
Store pressure meets tolerances (see formula in balance schedule). Make sure to account for existing exhaust fans airflows as shown on original drawings that are non-functioning.	Pass
Comment:	
Outside air and return air dampers modulate freely.	Pass
Comment:	
Start-up report from the installing contractor is reviewed and all information if filled out. All required measurements are within typical ranges.	Pass

Comment:

(If Applicable) VFD is set-up and operational. (N/A = not applicable)

Comment:

YES, Applicable for RTUS 1/3

Verify amp draw of motor is within unit specification, not operating in overamped condition. Pass

Comment:

Sales floor temperature and humidity measurement

Comment:

67F 27.4% RH

Pharmacy temperature and humidity measurement

Comment:

68.3F 29.5%

Stock Room temperature and humidity measurement

Comment:

63F 35.2% RH

Outdoor air temperature and humidity measurement

Comment:

43.2F 45.8% RH

Additional Comments:

Comment:

Diffusers could not be balanced to +/-10% due to shelving obstructions blocking dampers

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10-23-23 WALGREENS #11134 - SMYRNA, DE

CheckList Information

Name :	TECH - 06 FUNCTIONAL TESTS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/19/2023 - Brianna Biggs - National TAB		

CheckList Item Details

Cooling Functional Test

Overwrite the thermostat or sensor to put the unit into cooling mode.	Fail
Comment:	
Compressors enable.	Fail
Comment:	
If fan has VFD, the fan increases speed.	Fail
Comment:	
Document the discharge air temperature.	
Comment: UNABLE TO TEST COMPRESSOR COOLING DUE TO LOW AMBIENT TEMEPRATURE	
After 10 minutes, Discharge air temperature is below 55 degrees.	Fail
Comment:	
Cooling mode is operational	Fail
Comment:	
Additional Comments:	

Comment:

DUE TO LOW AMBIENT TEMPERATURES COMPRESSOR COOLING IS DISABLED AND I AM UNABLE TO TEST

Heating Functional Test

Overwrite the thermostat or sensor to put the unit into heating mode.	Pass

Comment:

Heat exchanger enables.	Pass

Comment:

If fan has VFD, the fan increases speed.	Pass

Comment:

Document the discharge air temperature.

Comment:

1- 154F 2- 152F 3- 100F 4-150F 5- 140F 6- 157F

After 10 minutes, Discharge air temperature is above 85 degrees.	Pass

Comment:

Heating mode is operational	Pass

Comment:

Additional Comments

Comment:

Dehumidification Functional Test

Overwrite the humidistat to put the unit into dehumidification mode.	Fail

Comment:

Compressors enable.	Fail

Comment:

Hot Gas Reheat Valve opens	Fail

Comment:

If fan has VFD, the fan increases speed.	Fail

Comment:

Document the discharge air temperature.

Comment:

DUE TO LOW AMBIENT, COMPRESSORS ARE DISABLED

Dehumidification Mode is operational. (Pass/Fail/NA)

Comment:

FAIL. Also not AC 2 is the only unit capable of Dehum

Additional Comments:

Comment:

DUE TO LOW AMBIENT TEMPERATURE, COMPRESSORS ARE DISABLED. ONLY UNIT CAPABLE OF DEHUM IS AC-2

Economizer Functional Test

Overwrite the humidistat to put the unit into economizer mode.	Pass

Comment:

Economizer modulates from minimum position to 100% open. (Pass/Fail/NA)

Comment:

PASS

Additional Comments:

Comment:

10-23-23 WALGREENS #11134 - SMYRNA, DE

CheckList Information

Name :	TECH - 07 TEMPERATURE SETPOINTS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/19/2023 - Brianna Biggs - National TAB		

CheckList Item Details

Temperature setpoints must be set using provided charts are based on state and space that each RTU serves. Confirm with controls company that these are set correctly

Comment:

Tempsetpoints
01/02/2024

10-23-23 WALGREENS #11134 - SMYRNA, DE

CheckList Information

Name :	TECH - 08 ENTRANCE HEATERS	**Status :**	Not Completed
Assigned Organization :	National TAB	**Asset :**	
Requesting Organization :	National TAB		
Created Date :	10/19/2023 - Brianna Biggs - National TAB		

CheckList Item Details

Sensor is located within 15' of entrance area	Pass
Comment:	
Confirm proper operation of entrance heater and associated controls	Fail
Comment:	
Balance supply air quantity to manufacturer recommended supply airflow.	Fail
Comment:	
Confirm listed temperature rise and discharge air temperature based on approved BOM/submittal	Fail
Comment:	

National TAB

Project: 10-23-23 WALGREENS #11134 - SMYRNA, DE

System/Unit: AHU/RTU

Asset: RTU1 AREA:

Unit Data		
	Design	**Actual**
MFG	YORK	YORK
Serial Num	-	N2D3585523
Model Num	ZJ120N18R2B5HAE2A3	ZJ120N18R2B5GCE2R3
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30X22
Num Final Filter 1	-	2
Final Filter Size 1	-	20X48" CUSTOM CUT

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR RELIANCE
Frame	-	56HZ
Horsepower	3	3
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	230	208
Rated Amperage	-	8.3

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	1VM50
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	0 TURNS OUT
Fan Sheave Size	-	AK74
Fan Sheave Bore	-	1"
Belt CL Distance	-	19"
Num of Belts	-	1
Belt Size	-	A54
Belt Alignment	-	GOOD

Test Data		
	Design	**Actual**
SF CFM	3500	3252
SF RPM	-	1118
RA CFM	2800	2518
OA CFM	700	734
RL Voltage	-	282 VFD
RL Amperage	-	7.2 VFD
SF Rotation	-	CW
RA Damper Position	-	80%
Min OA Damper Position	-	20%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	27B/#

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.83”
Fan Suction SP	-	-1.19”
Fan Discharge SP	-	0.81”
Total ESP	0.6"	1.64
Fan Total SP	-	2.00"

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

Completed By: Tyler Youells on 10/27/2023

National TAB

Project:10-23-23 WALGREENS #11134 - SMYRNA, DE

AHU/RTU

Diffuser Supply (GRD)

RTU1/

Asset											
Asset Name	**Location**	**Type**	**MFG**	**Size**	**Model Num**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RTU1-SGRD1	SALES	NA	na	10	na	328	1	252	307	307	93.6
RTU1-SGRD2	SALES (WINDOW)	NA	na	14	na	744	1	572	717	717	96.4
RTU1-SGRD3	SALES (ENTRY)	NA	na	16	na	940	1	723	851	851	90.5
RTU1-SGRD4	CHECKOUT	NA	na	14	na	744	1	564	665	665	89.4
RTU1-SGRD5	CHECKOUT	NA	na	14	na	744	1	597	712	712	95.7
Total						3500		2708	3252	3252	92.91%

National TAB

Project: 10-23-23 WALGREENS #11134 - SMYRNA, DE

System/Unit: AHU/RTU

Asset: RTU2 AREA:

Unit Data		
	Design	**Actual**
MFG	YORK	YORK
Serial Num	-	N2E3682109
Model Num	ZJ049N08D2B5HAA2A3	ZJ049N08D2B5GCA2R3
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30X22"
Num Final Filter 1	-	2
Final Filter Size 1	-	16X48" CUSTOM CUT

Test Data		
	Design	**Actual**
SF CFM	1400	1380
SF RPM	1099	995
RA CFM	1120	1086
OA CFM	280	294
RL Voltage	-	208.7/208.2/209.2
RL Amperage	-	3.44/3.40/3.39
SF Rotation	-	CW
RA Damper Position	-	86%
Min OA Damper Position	-	14%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	27B/#

Motor Data		
	Design	**Actual**
Motor MFG	-	CENTURY
Frame	-	56HZ
Horsepower	1.50	1.5
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	230	208
Rated Amperage	-	5.0

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.28”
Fan Suction SP	-	-0.37”
Fan Discharge SP	-	1.36”
Total ESP	1.5"	1.73”
Fan Total SP	-	1.43"

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	1VL44
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	5.0 TURNS OUT
Fan Sheave Size	-	AK56
Fan Sheave Bore	-	1"
Belt CL Distance	-	17"
Num of Belts	-	1
Belt Size	-	A46
Belt Alignment	-	GOOD

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

Completed By: Tyler Youells on 10/27/2023

National TAB

Project:10-23-23 WALGREENS #11134 - SMYRNA, DE

AHU/RTU

Diffuser Supply (GRD)

RTU2/

Asset											
Asset Name	**Location**	**Type**	**MFG**	**Size**	**Model Num**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RTU2-SGRD1	SALES	NA	na	10	na	350	1	677	561	340	97.1
RTU2-SGRD2	OFFICE	NA	na	12	na	525	1	680	588	491	93.5
RTU2-SGRD3	LOUNGE	NA	na	10	na	350	1	219	193	368	105.1
RTU2-SGRD4	HEALTH CLINIC	NA	na	10	na	175	1	331	290	181	103.4
Total						1400		1907	1632	1380	98.57%

National TAB

Project: 10-23-23 WALGREENS #11134 - SMYRNA, DE

System/Unit: AHU/RTU

Asset: RTU3 AREA:MAIN SALES

Unit Data		
	Design	**Actual**
MFG	YORK	YORK
Serial Num	-	N2C3559493
Model Num	ZT102N12R2B5HAA2A2	ZT102N12R2B5GCA2R2
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30X22
Num Final Filter 1	-	2
Final Filter Size 1	-	20X48" CUSTOM CUT

Test Data		
	Design	**Actual**
SF CFM	2975	2855
SF RPM	1039	969
RA CFM	2380	2250
OA CFM	595	605
RL Voltage	-	268 VFD
RL Amperage	-	5.98 VFD
SF Rotation	-	CW
RA Damper Position	-	82%
Min OA Damper Position	-	18%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	27B/#

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR RELIANCE
Frame	-	56HZ
Horsepower	3	3
Motor Rpm	-	1750
Phase	3	3
Rated Voltage	230	208
Rated Amperage	-	8.3

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.69”
Fan Suction SP	-	-0.85”
Fan Discharge SP	-	0.81”
Total ESP	1.0"	1.50"
Fan Total SP	-	1.66"

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	1VM50
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	2.5 TURNS OUT
Fan Sheave Size	-	AK74
Fan Sheave Bore	-	1"
Belt CL Distance	-	19"
Num of Belts	-	1
Belt Size	-	A54
Belt Alignment	-	GOOD

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

Completed By: Tyler Youells on 10/27/2023

Notes:
[1] DIFFUSERS BALANCED BASED ON NECK SIZE AND COMFORT

Written By: Tyler Youells on 10/26/2023

National TAB

Project:10-23-23 WALGREENS #11134 - SMYRNA, DE

AHU/RTU

Diffuser Supply (GRD)

RTU3/MAIN SALES

Asset											
Asset Name	**Location**	**Type**	**MFG**	**Size**	**Model Num**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RTU3-SGRD1	RESTROOM VESTIBULE	NA	na	8	na	175	1	177	177	177	101.1
RTU3-SGRD2	SALES (WINDOW)	NA	na	12	na	744	1	655	655	655	88.0
RTU3-SGRD3	SALES	NA	na	10	na	328	1	356	356	356	108.5
RTU3-SGRD4	SALES	NA	na	10	na	328	1	333	333	333	101.5
RTU3-SGRD5	SALES	NA	na	10	na	328	1	307	307	307	93.6
RTU3-SGRD6	SALES	NA	na	10	na	328	1	340	340	340	103.7
RTU3-SGRD7	SALES (WINDOW)	NA	na	12	na	744	1	687	687	687	92.3
Total						2975		2855	2855	2855	95.97%

National TAB

Project: 10-23-23 WALGREENS #11134 - SMYRNA, DE

System/Unit: AHU/RTU

Asset: RTU4 AREA:PHARMACY

Unit Data		
	Design	**Actual**
MFG	YORK	YORK
Serial Num	-	N2E3653909
Model Num	ZJ061N08D2B5HAA2A4	ZJ061N08D2B5GCA2R4
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30X22
Num Final Filter 1	-	2
Final Filter Size 1	-	48X16" CUSTOM CUT

Test Data		
	Design	**Actual**
SF CFM	1780	1898
SF RPM	1122	1059
RA CFM	1780	1898
OA CFM	0	0
RL Voltage	-	209.7/209.1/209.7
RL Amperage	-	5.31/5.03/5.41
SF Rotation	-	CW
RA Damper Position	-	100%
Min OA Damper Position	-	0%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	27B/#

Motor Data		
	Design	**Actual**
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	2	2
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	230	208
Rated Amperage	-	6.6

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.75”
Fan Suction SP	-	-0.86”
Fan Discharge SP	-	0.71”
Total ESP	1.5"	1.46"
Fan Total SP	-	1.57"

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	1VP56
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	4.5 TURNS OUT
Fan Sheave Size	-	7"
Fan Sheave Bore	-	1"
Belt CL Distance	-	17"
Num of Belts	-	1
Belt Size	-	A51
Belt Alignment	-	GOOD

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

Completed By: Tyler Youells on 10/27/2023

National TAB

Project:10-23-23 WALGREENS #11134 - SMYRNA, DE

AHU/RTU

Diffuser Supply (GRD)

RTU4/PHARMACY

Asset											
Asset Name	**Location**	**Type**	**MFG**	**Size**	**Model Num**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RTU4-SGRD1	ELECTRCIAL PANELS	NA	na	NA	na	296	1	255	239	265	89.5
RTU4-SGRD2	PHARMACY WAITING	NA	na	NA	na	296	1	340	326	345	116.6
RTU4-SGRD3	PHARM DRIVE THRU	NA	na	NA	na	296	1	360	346	311	105.1
RTU4-SGRD4	PHARMACY	NA	na	NA	na	296	1	342	337	346	116.9
RTU4-SGRD5	PHARMACY	NA	na	NA	na	296	1	336	308	311	105.1
RTU4-SGRD6	PHARMACY	NA	na	NA	na	296	1	317	303	320	108.1
Total						1776		1950	1859	1898	106.87%

Asset	Notes	Date	Written By
RTU4-SGRD1	NO DAMPER	10/27/2023	Tyler Youells
RTU4-SGRD2	DAMPER IS NOT ACCESSIBLE	01/02/2024	Tyler Youells
RTU4-SGRD4	DAMPER IS NOT ACCESSIBLE.	01/02/2024	Tyler Youells

National TAB

Project: 10-23-23 WALGREENS #11134 - SMYRNA, DE

System/Unit: AHU/RTU

Asset: RTU5 AREA:BOH

Unit Data		
	Design	**Actual**
MFG	YORK	YORK
Serial Num	-	N2C3531931
Model Num	ZJ037N08D2B5HAA2A4	ZJ037N08D2B5GCA2R4
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30X22
Num Final Filter 1	-	2
Final Filter Size 1	-	16x48" CUSTOM CUT

Test Data		
	Design	**Actual**
SF CFM	1080	1099
SF RPM	933	698
RA CFM	870	986
OA CFM	210	222
RL Voltage	-	209.6/209/209.8
RL Amperage	-	2.90/2.84/2.74
SF Rotation	-	CW
RA Damper Position	-	84%
Min OA Damper Position	-	16%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	27B/#

Motor Data		
	Design	**Actual**
Motor MFG	-	CENTURY
Frame	-	56HZ
Horsepower	1.50	1.50
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	230	208
Rated Amperage	-	5.0

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.18”
Fan Suction SP	-	-0.25”
Fan Discharge SP	-	0.37”
Total ESP	1.2"	0.55”
Fan Total SP	-	0.62”

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	1VP40
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	5 TURNS OUT
Fan Sheave Size	-	AK69
Fan Sheave Bore	-	1"
Belt CL Distance	-	17"
Num of Belts	-	1
Belt Size	-	A47
Belt Alignment	-	CORRECTED BY NTAB

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

Completed By: Tyler Youells on 01/02/2024

National TAB

Project:10-23-23 WALGREENS #11134 - SMYRNA, DE

AHU/RTU

Diffuser Supply (GRD)

RTU5/BOH

Asset											
Asset Name	**Location**	**Type**	**MFG**	**Size**	**Model Num**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RTU5-SGRD1	BOH	NA	na	NA	na	180	1	285	255	185	102.8
RTU5-SGRD2	BOH	NA	na	NA	na	180	0.35	205	182	169	93.9
RTU5-SGRD3	BOH	NA	na	NA	na	180	0.61	229	205	193	107.2
RTU5-SGRD4	BOH	NA	na	NA	na	180	0.61	222	199	182	101.1
RTU5-SGRD5	BOH	NA	na	NA	na	180	0.61	209	187	175	97.2
RTU5-SGRD6	BOH	NA	na	NA	na	180	0.61	235	210	195	108.3
Total						1080		1385	1238	1099	101.76%

Asset	Notes	Date	Written By
RTU5-SGRD1	Will balance diffuser during return trip	10/27/2023	Will Turnbough

National TAB

Project: 10-23-23 WALGREENS #11134 - SMYRNA, DE

System/Unit: AHU/RTU

Asset: RTU6 AREA:

Unit Data		
	Design	**Actual**
MFG	YORK	YORK
Serial Num	-	N2C3531909
Model Num	ZJ037N08D2B5HAA2A4	ZJ037N08D2B5GCA2R4
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	1
OA Filter Size 1	-	30X22
Num Final Filter 1	-	2
Final Filter Size 1	-	16X48" CUSTOM CUT

Motor Data		
	Design	**Actual**
Motor MFG	-	CENTURY
Frame	-	56HZ
Horsepower	1.50	1.5
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	230	208
Rated Amperage	-	5.0

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	1VL40
Motor Bore Size	-	0.875"
Motor Sheave SetPt	-	5.0 TURNS OUT
Fan Sheave Size	-	AK69
Fan Sheave Bore	-	1"
Belt CL Distance	-	17"
Num of Belts	-	1
Belt Size	-	A48
Belt Alignment	-	GOOD

Test Data		
	Design	**Actual**
SF CFM	1050	1134
SF RPM	933	708
RA CFM	840	921
OA CFM	210	213
RL Voltage	-	211.5/211/212.7
RL Amperage	-	2.85/3.06/2.85
SF Rotation	-	CW
RA Damper Position	-	MECHANICAL LINKAGE
Min OA Damper Position	-	16%
Min OA Damper Type	-	ECONOMIZER
OA Enthalpy Setpt	-	27B/#

Performance Data		
	Design	**Actual**
MA Plenum SP	-	-0.25”
Fan Suction SP	-	-0.36”
Fan Discharge SP	-	0.36”
Total ESP	1.2"	0.61”
Fan Total SP	-	0.72”

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

Completed By: Tyler Youells on 01/02/2024

National TAB

Project:10-23-23 WALGREENS #11134 - SMYRNA, DE

AHU/RTU

Diffuser Supply (GRD)

RTU6/

Asset											
Asset Name	**Location**	**Type**	**MFG**	**Size**	**Model Num**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
RTU6-SGRD1	PICTURES	NA	NA	NA	NA	525	1	668	558	514	97.9
RTU6-SGRD2	PICUTRES	NA	NA	NA	NA	525	1	740	638	620	118.1
Total						1050		1408	1196	1134	108%

Asset	Notes	Date	Written By
RTU6-SGRD2	[1] NO DAMPER INSTALLED	01/02/2024	Tyler Youells

National TAB

Project: 10-23-23 WALGREENS #11134 - SMYRNA, DE

System/Unit: FAN - Exhaust

Asset: EF1 AREA:EMPLOYEE LOUNGE

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	G-095-VG-1-17-X
Serial Num	-	22715636
Type	-	CRE
Configuration	-	DOWNBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	VARIGREEN
Frame	-	NL
Horsepower	-	1/6
Motor Rpm	-	1750
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.2
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	450	453
Fan RPM	-	SETTING 6
Fan Rotation	-	CW
Motor RPM	-	NA
RL Voltage	-	NOT ACCESSIBLE
RL Amperage	-	0.63
Suction ESP	-	-0.17”
Discharge ESP	-	ATM
Total ESP	-	0.17”

Completed By: Tyler Youells on 01/02/2024

National TAB

Project:10-23-23 WALGREENS #11134 - SMYRNA, DE

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF1/EMPLOYEE LOUNGE

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EF1-EGRD1	LOUNGE	EXHAUST	NA	450	1	766	578	380	84.4
Total				450		766	578	380	84.44%

Completed By: Tyler Youells on 10/26/2023

National TAB

Project: 10-23-23 WALGREENS #11134 - SMYRNA, DE

System/Unit: FAN - Exhaust

Asset: EF2 AREA:RESTROOMS

Unit Data		
	Design	**Actual**
MFG	NA	GREENHECK
Model Num	NA	G-095-VG-1-17-X
Serial Num	-	22715631
Type	-	CRE
Configuration	-	DOWNBLAST

Motor Data		
	Design	**Actual**
Motor MFG	-	VARIGREEN
Frame	-	NL
Horsepower	-	1/6
Motor Rpm	-	1
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	2.2
Service Factor	-	1

Test Data		
	Design	**Actual**
CFM	350	346
Fan RPM	-	SETTING 6.3
Fan Rotation	-	CW
Motor RPM	-	NA
RL Voltage	-	NOT ACCESSIBLE
RL Amperage	-	0.93
Suction ESP	-	-0.37”
Discharge ESP	-	ATM
Total ESP	-	0.37”

Completed By: Tyler Youells on 10/26/2023

National TAB

Project:10-23-23 WALGREENS #11134 - SMYRNA, DE

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF2/RESTROOMS

Asset									
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**CFM(2)**	**FINAL CFM**	**% to design**
EF2-EGRD1	MENS RR	NA	NA	150	1	224	160	146	97.3
EF2-EGRD2	WOMENS RR	NA	NA	150	1	226	156	147	98.0
EF2-EGRD3	MOP SINK	NA	NA	50	1	50	40	53	106.0
Total				350		500	356	346	98.86%

National TAB

Project: 10-23-23 WALGREENS #11134 - SMYRNA, DE

System/Unit: FAN - Supply

Asset: EH1 AREA:FRONT ENTRANCE

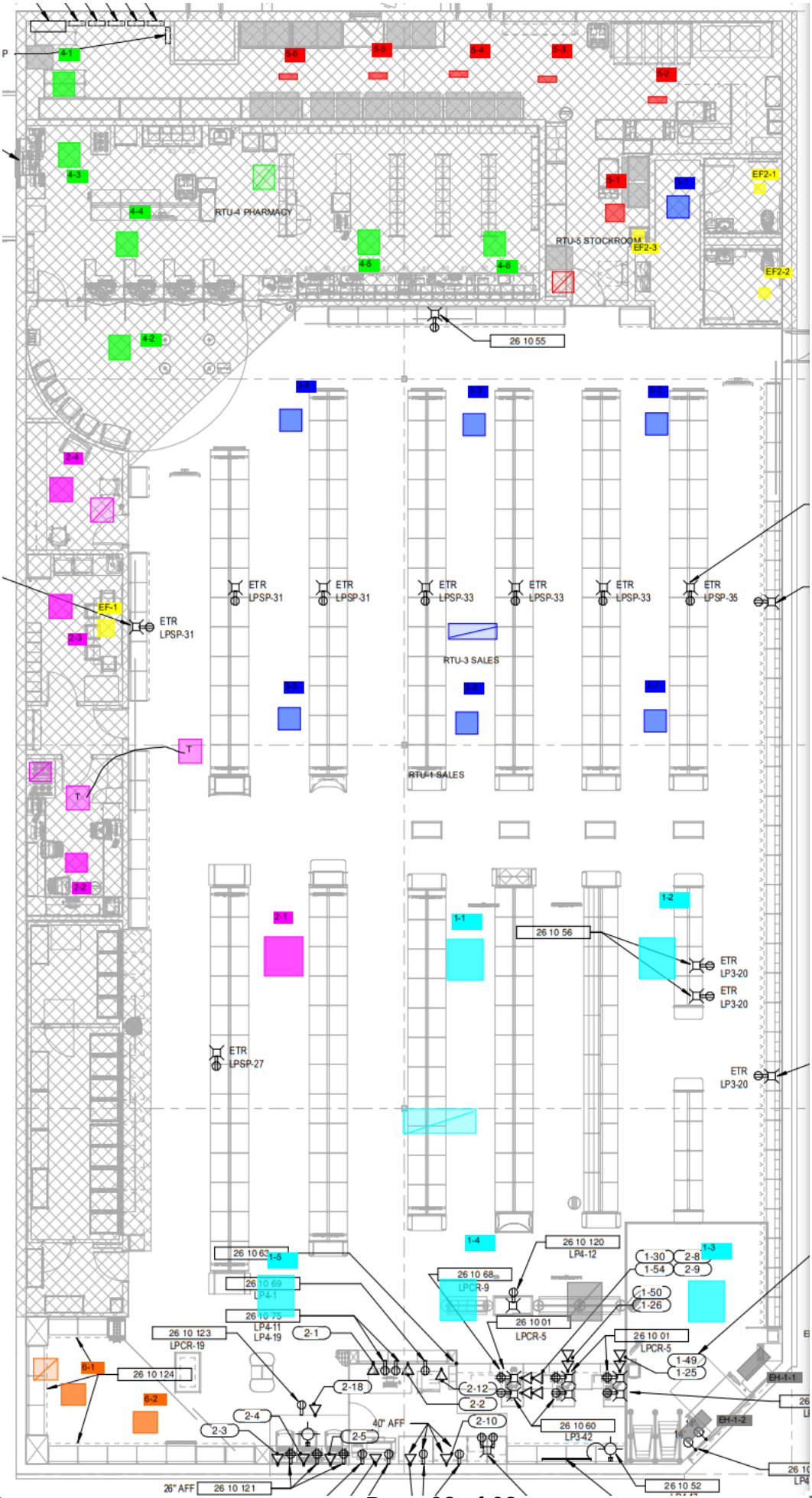
Unit Data		
	Design	**Actual**
MFG	na	MESTEK
Model Num	na	PV15
Serial Num	-	G2301931221001001

Motor Data		
	Design	**Actual**
Motor MFG	-	BALDOR RELIANCE
Frame	-	56HZ
Horsepower	-	0.75
Motor Rpm	-	1725
Phase	-	3
Voltage (rated)	-	230
Amperage (rated)	-	3
Service Factor	-	1.25

Drive Data		
	Design	**Actual**
Motor Sheave Size	-	1VL44
Motor Bore Size	-	0.625”
Fan Sheave Size	-	AL64
Fan Sheave Bore	-	1”
Belt CL Distance	-	12”
Num of Belts	-	1
Belt Size	-	A37

Test Data		
	Design	**Actual**
CFM	-	0
SF RPM	-	0
RL Voltage	-	0
RL Amperage	-	0
Suction ESP	-	0
Discharge ESP	-	0
Total ESP	-	0

Completed By: Tyler Youells on 10/27/2023


RTU-4 PHARMACY
RTU-5 STOCKROOM
RTU-3 SALES
RTU-1 SALES
EF2-1
EF2-2
EF2-3
EF-1
ETR LPSP-31
ETR LPSP-33
ETR LPSP-35
ETR LPSP-27
ETR LP3-20
26 10 55
26 10 56
26 10 120 LP4-12
26 10 68 LPCR-9
26 10 01 LPCR-5
26 10 123 LPCR-19
26 10 124
26 10 60 LP3-42
26 10 121
26 10 52
40" AFF
26" AFF