

Report By:

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



Report: TAB Report
Function: Test, Adjust, & Balance
Date: 03/24/2026
Completed By: National TAB

PROJECT
03-23-26 NIKE #174 WOODBRIDGE, VA

2700 POTOMAC MILLS CIRCLE

WOODBIDGE, VA 22192

Client

Comfort Systems USA Strategic Accounts
2655 Fortune Circle West, Suite E

Indianapolis, IN 46241

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Project: 03-23-26 NIKE #174 WOODBRIDGE, VA

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Project: 03-23-26 NIKE #174 WOODBRIDGE, VA
Function: Test, Adjust, & Balance

Project Summary

Project Summary

The summary below provides a quick understanding of our scope of work and general testing procedures. Enclosed in the report is further detail about your building performance including recommendations, asset data, and pictures. Our focus is to work with the trades to remedy any issues or deficiencies during the actual field balancing and not after the balancing has occurred to achieve a positive environment and outcome. The level of success is determined by the availability of the trades, possible parts needed, or time constraints.

RTU's (Roof Top Units)

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. 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.

Issue List

- RTU-5 has a Fault present
- RTUs 1 and 6 have Alerts present



03-23-26 NIKE #174 WOODBRIDGE, VA

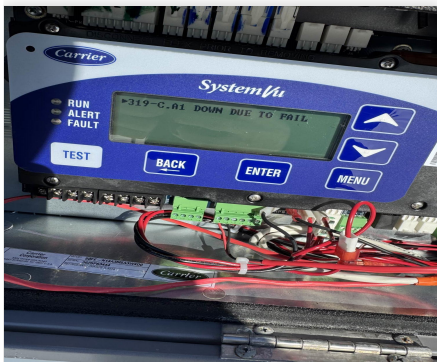
Project Issue Information

Issue Name : RTU-5 has a Fault present
Description : RTU-5 has a fault present: 319-C.A1 DOWN DUE TO FAILURE.
Recommend servicing and clearing this fault from the unit to ensure proper operation.

Created By : National TAB **Assigned To :** National TAB - Will Turnbough

Status : Open
Priority : Medium **Asset Tag :**
Originated Date : 03/24/2026 - Ryan Ash - National TAB

Project Issue File Details



03/24/2026



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Project Issue Information

Issue Name : RTUs 1 and 6 have Alerts present
Description : Both RTU-1 and RTU-6 have alert present in their systems. The alerts consist of 111 - SPT OPEN SENSOR, and 160 - OARH OPEN SENSOR. Recommend servicing these units to clear the alerts.
Created By : National TAB **Assigned To :** National TAB - Will Turnbough
Status : Open
Priority : Medium **Asset Tag :**
Originated Date : 03/24/2026 - Ryan Ash - National TAB

Project Issue File Details



03/24/2026

CheckList List

- TECH - ALL STEPS



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CheckList Information

Name : TECH - ALL STEPS **Status :** Completed
Assigned Organization : National TAB **Asset :**
Requesting Organization : National TAB
Created Date : 12/30/2025 - Natasha Louw - National TAB
Completed Date : 03/24/2026 - Ryan Ash - National TAB

CheckList Item Details

RTU's/AHU's

Economizers are assembled and functional?

Comment:

YES

Motors are all operating below the FLA rating?

Comment:

YES

Are belts tight?

Comment:

NA

If direct drive unit is the speed controller working.

Comment:

YES

Is gas piping installed and valves turned on?

Comment:

YES

Unit free of noticeable noise and vibration

Comment:

YES

Units are labeled and installed on proper curb

Comment:

YES

Unit ductwork properly installed / sealed on curb

Comment:

YES

Pulleys are properly aligned

Comment:

NA

Condensate lines and P-Traps installed correctly

Comment:

YES

Disconnect Switch Installed

Comment:

YES

Outside air dampers/Economizers installed and functioning

Comment:

YES

Additional Comments or recommendations:

Comment:

NA

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Project: 03-23-26 NIKE #174 WOODBRIDGE, VA

System/Unit: AHU/RTU



Asset: RTU1

AREA:BOH/SALES FLOOR

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	3325C08974
Model Num	50GE-N05A	50GE-N05A2M5A3W4A0
Type	RTU	RTU
Num OA Filters 1	-	1
OA Filter Size 1	-	28X14
Num Final Filter 1	-	2
Final Filter Size 1	-	16X25X1

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	1.1
Motor Rpm	-	NA
Phase	3	1
Rated Voltage	208	208/230
Rated Amperage	-	7.1
Service Factor	-	NA

Test Data		
	Design	Actual
SF CFM	1200	1297
SF RPM	-	1788
MOTOR RPM	-	1798
RA CFM	1050	1150
OA CFM	150	147
ABS MIN OA	-	147
ABS MIN OA DAMPER POSITION	-	13%
RL Voltage	-	209.7 V
RL Amperage Initial	-	2.0 A
RL Amperage	-	5.2 A
SF System SetPt	-	80%
Min OA Damper Position	-	13%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.16"
Fan Suction SP	-	-0.38"
Fan Discharge SP	-	0.85"
Total ESP	0.80"	1.01"
Fan Total SP	-	1.23"

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

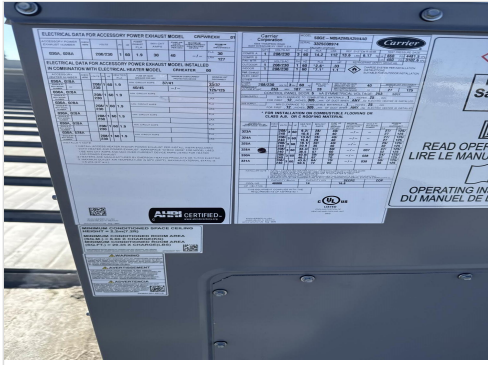
Completed By: Ryan Ash on 03/24/2026

Notes:

[1] Unit has an alert present, recommend servicing. See remarks for further information.

Written By: Ryan Ash on 03/24/2026

Unit Data - PHOTO LOG



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Project: 03-23-26 NIKE #174 WOODBRIDGE, VA

System/Unit: AHU/RTU



Asset: RTU2

AREA:BOH/SALES FLOOR

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	3625P63713
Model Num	50GE-N09A	50GE-N09A2M5A3W4A0
Type	RTU	RTU
Num OA Filters 1	-	1
OA Filter Size 1	-	35X19
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	2.4
Motor Rpm	-	NA
Phase	3	3
Rated Voltage	208	208/230
Rated Amperage	-	6.4
Service Factor	-	NA

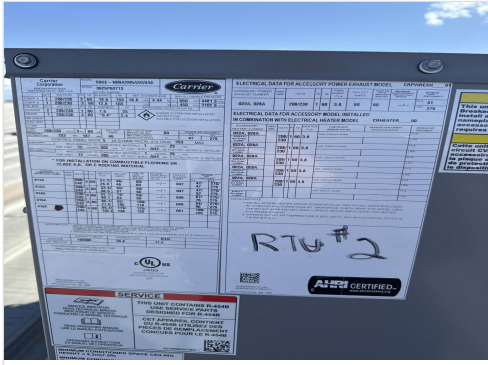
Test Data		
	Design	Actual
SF CFM	3110	3215
SF RPM	-	1497
MOTOR RPM	-	1497
RA CFM	2660	2785
OA CFM	450	430
ABS MIN OA	-	430
ABS MIN OA DAMPER POSITION	-	15%
RL Voltage	-	209.9/210.3/210.1
RL Amperage Initial	-	1.7/1.5/1.3
RL Amperage	-	3.7/3.8/3.7
SF System SetPt	-	72%
Min OA Damper Position	-	15%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.48"
Fan Suction SP	-	-0.81"
Fan Discharge SP	-	0.69"
Total ESP	0.80"	1.29"
Fan Total SP	-	1.50"

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

Completed By: Ryan Ash on 03/24/2026

Unit Data - PHOTO LOG



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Project: 03-23-26 NIKE #174 WOODBRIDGE, VA

System/Unit: AHU/RTU



Asset: RTU3

AREA:SALES FLOOR

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	3625P63446
Model Num	50GECN14A	50FE-N14A3M5A3W4D0
Type	RTU	RTU
Num OA Filters 1	-	1
OA Filter Size 1	-	35X19
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	5.0
Motor Rpm	-	NA
Phase	3	3
Rated Voltage	208	208/230
Rated Amperage	-	12.6
Service Factor	-	NA

Test Data		
	Design	Actual
SF CFM	4225	4227
SF RPM	-	1863
MOTOR RPM	-	1863
RA CFM	3175	3178
OA CFM	1050	1049
ABS MIN OA	-	1049
ABS MIN OA DAMPER POSITION	-	16%
RL Voltage	-	209.5/208.7/209.6
RL Amperage Initial	-	2.2/2.6/2.3
RL Amperage	-	9.9/9.7/9.5
SF System SetPt	-	82%
Min OA Damper Position	-	16%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-1.23"
Fan Suction SP	-	-1.70"
Fan Discharge SP	-	1.00"
Total ESP	1.20"	2.93"
Fan Total SP	-	2.70"

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

Completed By: Ryan Ash on 03/24/2026

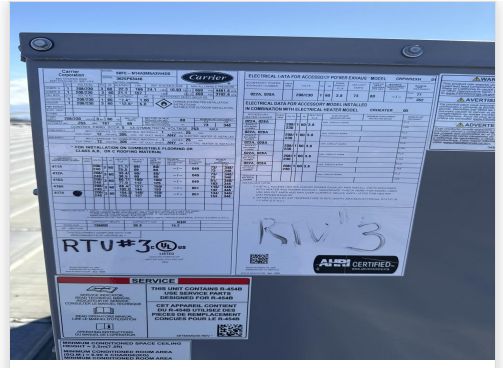
Unit Data - PHOTO LOG



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Project: 03-23-26 NIKE #174 WOODBRIDGE, VA

System/Unit: AHU/RTU



Asset: RTU4

AREA:SALES FLOOR

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	3625P63445
Model Num	50GECN14A	50FE-N14A3M5A3W4D0
Type	RTU	RTU
Num OA Filters 1	-	1
OA Filter Size 1	-	35X19
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	5.0
Motor Rpm	-	NA
Phase	3	3
Rated Voltage	208	208/230
Rated Amperage	-	12.6
Service Factor	-	NA

Test Data		
	Design	Actual
SF CFM	4225	4207
SF RPM	-	1818
MOTOR RPM	3175	1818
RA CFM	3175	3191
OA CFM	1050	1016
ABS MIN OA	-	1016
ABS MIN OA DAMPER POSITION	-	18%
RL Voltage	-	210.5/210.4/209.6
RL Amperage Initial	-	3.1/3.3/3.2
RL Amperage	-	8.7/9.2/8.8
SF System SetPt	-	80%
Min OA Damper Position	-	18%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-1.25"
Fan Suction SP	-	-1.67"
Fan Discharge SP	-	0.80"
Total ESP	1.20"	2.92"
Fan Total SP	-	2.47"

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

Completed By: Ryan Ash on 03/24/2026

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Project: 03-23-26 NIKE #174 WOODBRIDGE, VA

System/Unit: AHU/RTU



Asset: RTU5

AREA:FOH/SALES FLOOR

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	3625P63444
Model Num	50GECN14A	50FE-N14A3M5A3W4D0
Type	RTU	RTU
Num OA Filters 1	-	1
OA Filter Size 1	-	35X19
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	5.0
Motor Rpm	-	NA
Phase	3	3
Rated Voltage	208	208/230
Rated Amperage	-	12.6
Service Factor	-	NA

Test Data		
	Design	Actual
SF CFM	4225	4287
SF RPM	-	1796
MOTOR RPM	-	1796
RA CFM	3175	3283
OA CFM	1050	1004
ABS MIN OA	-	1004
ABS MIN OA DAMPER POSITION	-	17%
RL Voltage	-	210.1/210.1/209.7
RL Amperage Initial	-	2.2/2.3/2.6
RL Amperage	-	8.1/8.1/8.5
SF System SetPt	-	79%
Min OA Damper Position	-	17%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-1.92"
Fan Suction SP	-	-2.05"
Fan Discharge SP	-	0.20"
Total ESP	1.20"	3.97"
Fan Total SP	-	2.25"

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

Completed By: Ryan Ash on 03/24/2026

Notes:

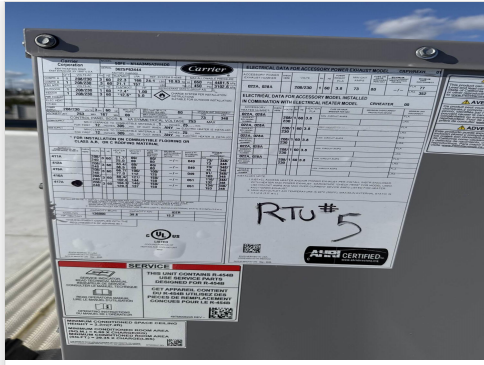
[1] Unit has a fault, recommend servicing. See Remarks section for more information.

Written By: Ryan Ash on 03/24/2026

Unit Data - PHOTO LOG



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Project: 03-23-26 NIKE #174 WOODBRIDGE, VA

System/Unit: AHU/RTU



Asset: RTU6

AREA:FOH/SALES FLOOR

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	3425C09223
Model Num	50GECN04A	50GECN04A2M5A3W4A0
Type	RTU	RTU
Num OA Filters 1	-	1
OA Filter Size 1	-	28X14
Num Final Filter 1	-	2
Final Filter Size 1	-	16X25X2

Motor Data		
	Design	Actual
Motor MFG	-	NA
Frame	-	NA
Horsepower	-	0.4
Motor Rpm	-	NA
Phase	3	1
Rated Voltage	208	208/230
Rated Amperage	-	5.1
Service Factor	-	NA

Test Data		
	Design	Actual
SF CFM	1000	953
SF RPM	-	1578
MOTOR RPM	-	1578
RA CFM	1000	953
OA CFM	0	0
ABS MIN OA	-	0
ABS MIN OA DAMPER POSITION	-	0%
RL Voltage	-	209.0 V
RL Amperage Initial	-	1.2 A
RL Amperage	-	2.0 A
SF System SetPt	-	70%
Min OA Damper Position	-	0%
Min OA Damper Type	-	ECONOMIZER

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.11"
Fan Suction SP	-	-0.22"
Fan Discharge SP	-	0.54"
Total ESP	0.80"	0.33"
Fan Total SP	-	0.76"

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

Completed By: Ryan Ash on 03/24/2026

Notes:

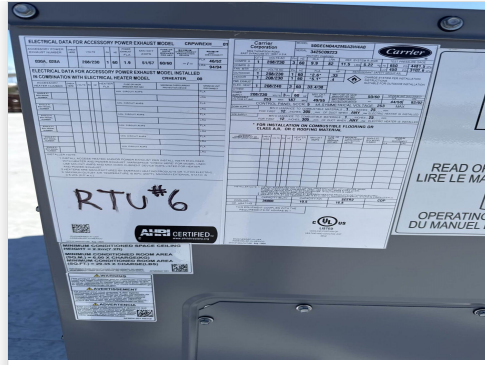
[1] Unit has an alert present, recommend servicing. See remarks for further information.

Written By: Ryan Ash on 03/24/2026

Unit Data - PHOTO LOG



03/23/2026



03/23/2026



03/23/2026