

Report By:

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



Report: TAB REPORT
Function: Test, Adjust, & Balance
Date: 10/04/2024
Completed By: National TAB

PROJECT
09-30-24 SEPHORA 476 METAIRIE, LA

3301 Veterans Memorial Blvd

Metairie, LA 70002

Client

Brinco Mechanical Management Services, Inc.
125 South Main St
Freeport, NY 11520

National TAB

Project: 09-30-24 SEPHORA 476 METAIRIE, LA

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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)

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

- Missing Economizers



09-30-24 SEPHORA 476 METAIRIE, LA

Project Issue Information

Issue Name : Missing Economizers
Description : All RTUs are missing economizers. Recommend installing.
Created By : National TAB **Assigned To :** National TAB - Dan Hertenstein
Status : Open
Priority : **Urgent** **Asset Tag :**
Originated Date : 10/08/2024 - Wesley John - National TAB

Project Issue File Details



10/08/2024

CheckList List

- RTU CHECKLIST
- SITE PICTURES



09-30-24 SEPHORA 476 METAIRIE, LA

CheckList Information

Name : RTU CHECKLIST **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 09/25/2024 - Wale Odofin - National TAB

Completed Date : 10/03/2024 - Oscar Ventura - National TAB

CheckList Item Details

RTU's/AHU's

Economizers are assembled and functional?

Comment:

ECONOMIZERS NOT INSTALLED ON ANY OF THE UNITS.

Motors are all operating below the FLA rating?

Comment:

YES

Are belts tight?

Comment:

DIRECT DRIVE

If direct drive unit is the speed controller working.

Comment:

YES

Is gas piping installed and valves turned on?

Comment:

NA

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:

DIRECT DRIVE

Condensate lines and P-Traps installed correctly

Comment:

YES

Disconnect Switch Installed

Comment:

YES

Outside air dampers/Economizers installed and functioning

Comment:

ECONOMIZERS NOT INSTALLED ON ANY OF THE UNITS.

Additional Comments or recommendations:

Comment:

NO.

Documentation

If issues, have NTAB team and Brinco Management been notified ?

Comment:

YES

If any issues, have Facilibuild issues been created explaining in detail?

Comment:

YES

Pictures

All Issues

Comment:

ECONOMIZERS NOT INSTALLED.



10/03/2024

Each Piece of equipment

Comment:

NA

Front of store

Comment:



10/03/2024

Roof Top Layout

Comment:



10/03/2024



09-30-24 SEPHORA 476 METAIRIE, LA

CheckList Information

Name : SITE PICTURES **Status :** Completed

Assigned Organization : National TAB **Asset :**

Requesting Organization : National TAB

Created Date : 09/25/2024 - Wale Odofin - National TAB

Completed Date : 10/03/2024 - Oscar Ventura - National TAB

CheckList Item Details

RTU 1

Comment:



10/03/2024

RTU 2

Comment:



10/03/2024

RTU 3

Comment:



10/03/2024

RTU 4

Comment:



10/03/2024



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Project: 09-30-24 SEPHORA 476 METAIRIE, LA

System/Unit: AHU/RTU



Asset: RTU1

AREA:

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	1424P37612
Model Num	50FC-B04A1A5-0A4C0	50FC-M12A2A5A0A0A0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	6.4

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE
Motor Bore Size	DIRECT DRIVE
Motor Sheave SetPt	DIRECT DRIVE
Fan Sheave Size	DIRECT DRIVE
Fan Sheave Bore	DIRECT DRIVE
Belt CL Distance	DIRECT DRIVE
Num of Belts	DIRECT DRIVE
Belt Size	DIRECT DRIVE
Belt Alignment	DIRECT DRIVE

Test Data		
	Design	Actual
SF CFM	3150	2884
SF RPM	1682	1865
RA CFM	2677	2884
OA CFM	473	0
RL Voltage	-	207/208/208
RL Amperage	-	6.1/6.2/6.2
SF Rotation	-	CCW
SF System SetPt	-	8.7 VDC
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.62"
Fan Suction SP	-	-1.05"
Fan Discharge SP	-	0.70"
Total ESP	1.00"	1.32"
Fan Total SP	-	1.75"

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

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Project: 09-30-24 SEPHORA 476 METAIRIE, LA

System/Unit: AHU/RTU



Asset: RTU2

AREA:

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	1424P37613
Model Num	50FC-B04A1A5-0A4C0	50FC-M12A2A5A0A0A0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	4
Final Filter Size 1	-	20X20X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	6.4

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE
Motor Bore Size	DIRECT DRIVE
Motor Sheave SetPt	DIRECT DRIVE
Fan Sheave Size	DIRECT DRIVE
Fan Sheave Bore	DIRECT DRIVE
Belt CL Distance	DIRECT DRIVE
Num of Belts	DIRECT DRIVE
Belt Size	DIRECT DRIVE
Belt Alignment	DIRECT DRIVE

Test Data		
	Design	Actual
SF CFM	3150	2856
SF RPM	1682	1858
RA CFM	2677	2856
OA CFM	473	0
RL Voltage	-	205/206/206
RL Amperage	-	6.2/6.2/6.1
SF Rotation	-	CCW
SF System SetPt	-	8.8 VDC
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.53"
Fan Suction SP	-	-1.10"
Fan Discharge SP	-	0.70"
Total ESP	1.00	1.23"
Fan Total SP	-	1.80"

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

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Project: 09-30-24 SEPHORA 476 METAIRIE, LA

System/Unit: AHU/RTU



Asset: RTU3

AREA:

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	0424C07628
Model Num	50FC-B04A1A5-0A4C0	50FC-A04A2A5A0A0A0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	2
Final Filter Size 1	-	24X16X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	5.1

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE
Motor Bore Size	DIRECT DRIVE
Motor Sheave SetPt	DIRECT DRIVE
Fan Sheave Size	DIRECT DRIVE
Fan Sheave Bore	DIRECT DRIVE
Belt CL Distance	DIRECT DRIVE
Num of Belts	DIRECT DRIVE
Belt Size	DIRECT DRIVE
Belt Alignment	DIRECT DRIVE

Test Data		
	Design	Actual
SF CFM	1050	994
SF RPM	1666	1920
RA CFM	892	994
OA CFM	158	0
RL Voltage	-	210/208/209
RL Amperage	-	4.7/4.8/4.8
SF Rotation	-	CCW
SF System SetPt	-	8.4
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.44"
Fan Suction SP	-	-0.57"
Fan Discharge SP	-	0.41"
Total ESP	0.60"	0.85"
Fan Total SP	-	0.98"

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

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Project: 09-30-24 SEPHORA 476 METAIRIE, LA

System/Unit: AHU/RTU



Asset: RTU4

AREA:

Unit Data		
	Design	Actual
MFG	CARRIER	CARRIER
Serial Num	-	0424C07636
Model Num	50FC-B04A1A5-0A4C0	50FC-A04A2A5A0A0A0
Type	RTU	RTU
Configuration	VERTICAL	VERTICAL
Num OA Filters 1	-	NA
OA Filter Size 1	-	NA
Num Final Filter 1	-	2
Final Filter Size 1	-	16X24X2

Motor Data		
	Design	Actual
Motor MFG	-	NL
Frame	-	NL
Horsepower	-	NL
Motor Rpm	-	NL
Phase	3	3
Rated Voltage	208	208
Rated Amperage	-	5.1

Drive Data	
	Actual
Motor Sheave Size	DIRECT DRIVE
Motor Bore Size	DIRECT DRIVE
Motor Sheave SetPt	DIRECT DRIVE
Fan Sheave Size	DIRECT DRIVE
Fan Sheave Bore	DIRECT DRIVE
Belt CL Distance	DIRECT DRIVE
Num of Belts	DIRECT DRIVE
Belt Size	DIRECT DRIVE
Belt Alignment	DIRECT DRIVE

Test Data		
	Design	Actual
SF CFM	1050	988
SF RPM	1666	1950
RA CFM	892	988
OA CFM	158	0
RL Voltage	-	210/211/212
RL Amperage	-	4.8/4.9/4.9
SF Rotation	-	CCW
SF System SetPt	-	8.4VDC
RA Damper Position	-	100%
Min OA Damper Position	-	NA
Min OA Damper Type	-	NA

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.45"
Fan Suction SP	-	-0.55"
Fan Discharge SP	-	0.48"
Total ESP	0.66	0.93"
Fan Total SP	-	1.03"

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

Completed By: Oscar Ventura on 10/03/2024