

Report By:

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



Report: 6-4-2024 test 1
Function: Test, Adjust, & Balance
Date: 06/04/2024

PROJECT

6-6-23 test

1 MAIN SUITE A

KANSAS CITY, MO 64116

Client

6-6-23 test

123 testville

test, texas, TX 23456

National TAB

Project: 6-6-23 test

Table Of Contents

| Section | Page # |
|------------------------|---------------|
| Diffuser Ret/Exh (GRD) | 3 |
| Diffuser Supply (GRD) | 4 |
| VAV - Single Duct | 5 |
| VAV-Fan Powered Box | 6 |
| AHU-DUAL FAN | 7 |



National TAB

Project:6-6-23 test



Diffuser Ret/Exh (GRD)

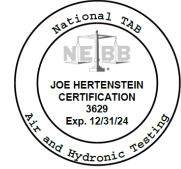
AH1/

| Asset | | | | | | | |
|----------------|------|------|----|--------|--------|-----------|-------------|
| Asset Name | Type | Size | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| AHU(DF)1-EGRD2 | | | | | | | |
| EGRD-3 | | | | | | | |
| EGRD1 | | | | | | | |
| Total | | | | 0 | 0 | 0 | |



National TAB

Project:6-6-23 test



Diffuser Supply (GRD)

AH1/

| Asset | | | | | | | | | |
|----------------|-------------------|------|------|------------|----|--------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | AK | CFM(1) | CFM(2) | FINAL CFM | % to design |
| AHU(DF)1-SGRD2 | Back storage room | CD | | 100 | | | | 50 | 50.0 |
| AHU(DF)1-SGRD3 | West Dining | CD | | 100 | | | | 100 | 100.0 |
| AHU(DF)1-SGRD4 | East Dining | CD | | 100 | | | | 300 | 300.0 |
| AHU(DF)1-SGRD5 | Restroom | CD | | 100 | | | | 75 | 75.0 |
| AHU-SGRD1 | Office | CD | | 100 | | | | 200 | 200.0 |
| Total | | | | 500 | | 0 | 0 | 725 | 145% |



National TAB

Project:6-6-23 test



VAV - Single Duct

vav grid report test/

| Asset | | | | | | | | | |
|------------|------|------------|----------------|---------|----------------|---------|-----------------|----------|----------|
| Asset Name | Type | Inlet Size | Design Max CFM | Max CFM | Design Min CFM | Min CFM | Design Heat CFM | Heat CFM | Ak (max) |
| VAV1 | | | | | | | | | |
| VAV2 | | | | | | | | | |
| VAV3 | | | | | | | | | |
| VAV4 | | | | | | | | | |
| VAV5 | | | | | | | | | |
| VAV6 | | | | | | | | | |
| VAV7 | | | | | | | | | |
| VAV8 | | | | | | | | | |
| VAV9 | | | | | | | | | |
| VAV10 | | | | | | | | | |



National TAB

Project:6-6-23 test



VAV-Fan Powered Box

vav grid report test/

| Asset | | | | | | | | | | |
|------------|---------|------|------------|---------------------|--------------|---------------------|--------------|-----------------------|----------------|----------|
| Asset Name | Service | Type | Inlet Size | Design Max Cool CFM | Max Cool CFM | Design Min Cool CFM | Min Cool CFM | Design Fan CFM (Heat) | Fan CFM (Heat) | Ak (max) |
| FPB1 | | | | | | | | | | |
| FPB2 | | | | | | | | | | |
| FPB3 | | | | | | | | | | |
| FPB4 | | | | | | | | | | |
| FPB5 | | | | | | | | | | |

National TAB

Project: 6-6-23 test



System/Unit: AHU-DUAL FAN

Asset: AH1

AREA:

| UNIT DATA - SUPPLY | | |
|------------------------------|--------|---------|
| | Design | Actual |
| Manufacturer | 1 | Carrier |
| Model Number | 2 | 2 |
| Serial Number | - | |
| No. Pre-Filters / Size (1) | - | |
| No. Pre-Filters / Size (2) | - | |
| No. Pre-Filters / Size (3) | - | |
| No. Final Filters / Size (1) | - | |
| No. Final Filters / Size (2) | - | |
| No. Final Filters / Size (3) | - | |

| UNIT DATA - EXHAUST/RETURN | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Manufacturer | - | |
| Model Number | - | |
| Serial Number | - | |
| No. Pre-Filters / Size (1) | - | |
| No. Pre-Filters / Size (2) | - | |
| No. Pre-Filters / Size (3) | - | |
| No. Pre-Filters / Size (4) | - | |
| No. Pre-Filters / Size (5) | - | |
| No. Pre-Filters / Size (6) | - | |

| MOTOR DATA - SUPPLY | | |
|---------------------|--------|--------|
| | Design | Actual |
| Motor MFG / Frame | - | |
| Horsepower / RPM | - | |
| Rated Volts / Phase | - | |
| Rated Amperage / SF | - | |

| MOTOR DATA - EXHAUST/RETURN | | |
|-----------------------------|--------|--------|
| | Design | Actual |
| Motor MFG / FRAME | - | |
| Horsepower / RPM | - | |
| Rated Volts / Phase | - | |
| Rated Amperage / SF | - | |

| DRIVE DATA - SUPPLY | | |
|--------------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size / Bore | - | |
| Fan Sheave Size / Bore | - | |
| Belt CL Distance | - | |
| No. Belts / Size | - | |

| DRIVE DATA - EXHAUST/RETURN | | |
|-----------------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size / Bore | - | |
| Fan Sheave Size / Bore | - | |
| Belt CL Distance | - | |
| No. Belts / Size | - | |

| TEST DATA - SUPPLY | | |
|--------------------|--------|--------|
| | Design | Actual |
| Total CFM | - | |
| OA CFM | - | |
| Fan RPM | - | |
| VFD Speed | - | |
| RL Voltage | - | |
| RL Amperage | - | |
| Motor B.H.P. | - | |

| TEST DATA - EXHAUST/RETURN | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Total CFM | - | |
| Fan RPM | - | |
| VFD Speed | - | |
| RL Voltage | - | |
| RL Amperage | - | |
| Motor B.H.P. | - | |

| PERFORMANCE DATA - SUPPLY | | |
|---------------------------|--------|--------|
| | Design | Actual |
| Static Pressure Stpt | - | |
| Suction S.P. | - | |
| Discharge S.P. | - | |
| Total S.P. | - | |
| Reheat Coil P.D. | - | |
| DX Coil P.D. | - | |
| Condenser Coil P.D. | - | |
| Chilled Water Coil P.D. | - | |
| Pre Heat Coil P.D. | - | |
| Final Filters P.D. | - | |
| Heat Wheel P.D. | - | |
| Pre-Filters P.D. | - | |
| Air Blender P.D. | - | |
| Total ESP | - | |

| PERFORMANCE DATA - EXHAUST/RETURN | | |
|-----------------------------------|--------|-----------|
| | Design | Actual |
| Static Pressure Stpt | - | 1.2" w.c. |
| Suction S.P. | - | |
| Discharge S.P. | - | |
| Total S.P. | - | |
| Heat Wheel P.D. | - | |
| Pre-Filters P.D. | - | |
| Total ESP | - | |

Notes:
test

Written By: Megan McKelvey on 05/31/2024

National TAB

Project: 6-6-23 test



System/Unit: AHU-DUAL FAN

Asset: AHU(DF)2

AREA:

| UNIT DATA - SUPPLY | | |
|------------------------------|--------|--------|
| | Design | Actual |
| Manufacturer | 1 | 1 |
| Model Number | 2 | 2 |
| Serial Number | - | |
| No. Pre-Filters / Size (1) | | |
| No. Pre-Filters / Size (2) | | |
| No. Pre-Filters / Size (3) | | |
| No. Final Filters / Size (1) | | |
| No. Final Filters / Size (2) | | |
| No. Final Filters / Size (3) | | |

| MOTOR DATA - SUPPLY | | |
|---------------------|--------|--------|
| | Design | Actual |
| Motor MFG / Frame | - | |
| Horsepower / RPM | - | |
| Rated Volts / Phase | - | |
| Rated Amperage / SF | - | |

| DRIVE DATA - SUPPLY | | |
|--------------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size / Bore | - | |
| Fan Sheave Size / Bore | - | |
| Belt CL Distance | - | |
| No. Belts / Size | - | |

| TEST DATA - SUPPLY | | |
|--------------------|--------|--------|
| | Design | Actual |
| Total CFM | | |
| OA CFM | | |
| Fan RPM | | |
| VFD Speed | | |
| RL Voltage | | |
| RL Amperage | | |
| Motor B.H.P. | | |

| PERFORMANCE DATA - SUPPLY | | |
|---------------------------|--------|--------|
| | Design | Actual |
| Static Pressure Stpt | | |
| Suction S.P. | | |
| Discharge S.P. | | |
| Total S.P. | | |
| Reheat Coil P.D. | | |
| DX Coil P.D. | | |
| Condenser Coil P.D. | | |
| Chilled Water Coil P.D. | | |
| Pre Heat Coil P.D. | | |
| Final Filters P.D. | | |
| Heat Wheel P.D. | | |
| Pre-Filters P.D. | | |
| Air Blender P.D. | | |
| Total ESP | | |

| UNIT DATA - EXHAUST/RETURN | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Manufacturer | | |
| Model Number | | |
| Serial Number | - | |
| No. Pre-Filters / Size (1) | | |
| No. Pre-Filters / Size (2) | | |
| No. Pre-Filters / Size (3) | | |
| No. Pre-Filters / Size (4) | | |
| No. Pre-Filters / Size (5) | | |
| No. Pre-Filters / Size (6) | | |

| MOTOR DATA - EXHAUST/RETURN | | |
|-----------------------------|--------|--------|
| | Design | Actual |
| Motor MFG / FRAME | - | |
| Horsepower / RPM | - | |
| Rated Volts / Phase | - | |
| Rated Amperage / SF | - | |

| DRIVE DATA - EXHAUST/RETURN | | |
|-----------------------------|--------|--------|
| | Design | Actual |
| Motor Sheave Size / Bore | - | |
| Fan Sheave Size / Bore | - | |
| Belt CL Distance | - | |
| No. Belts / Size | - | |

| TEST DATA - EXHAUST/RETURN | | |
|----------------------------|--------|--------|
| | Design | Actual |
| Total CFM | | |
| Fan RPM | | |
| VFD Speed | | |
| RL Voltage | | |
| RL Amperage | | |
| Motor B.H.P. | | |

| PERFORMANCE DATA - EXHAUST/RETURN | | |
|-----------------------------------|--------|--------|
| | Design | Actual |
| Static Pressure Stpt | | |
| Suction S.P. | | |
| Discharge S.P. | | |
| Total S.P. | | |
| Heat Wheel P.D. | | |
| Pre-Filters P.D. | | |
| Total ESP | | |