

Report By:

National TAB
1329 E. KEMPER ROAD
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Report: TAB Report
Function: Test, Adjust, & Balance
Date: 08/08/2024

PROJECT
Kohls (Wesley Chapel, FL)

2160 GRAND CYPRESS DRIVE

LUTZ, FL 33559

Client

Air Temp Inc
52 Riley Road #260
Celebration, FL 34747

National TAB

Project: Kohls (Wesley Chapel, FL)

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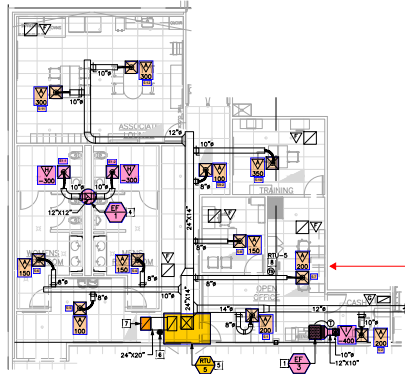
Testing, Adjusting, and Balancing Equipment



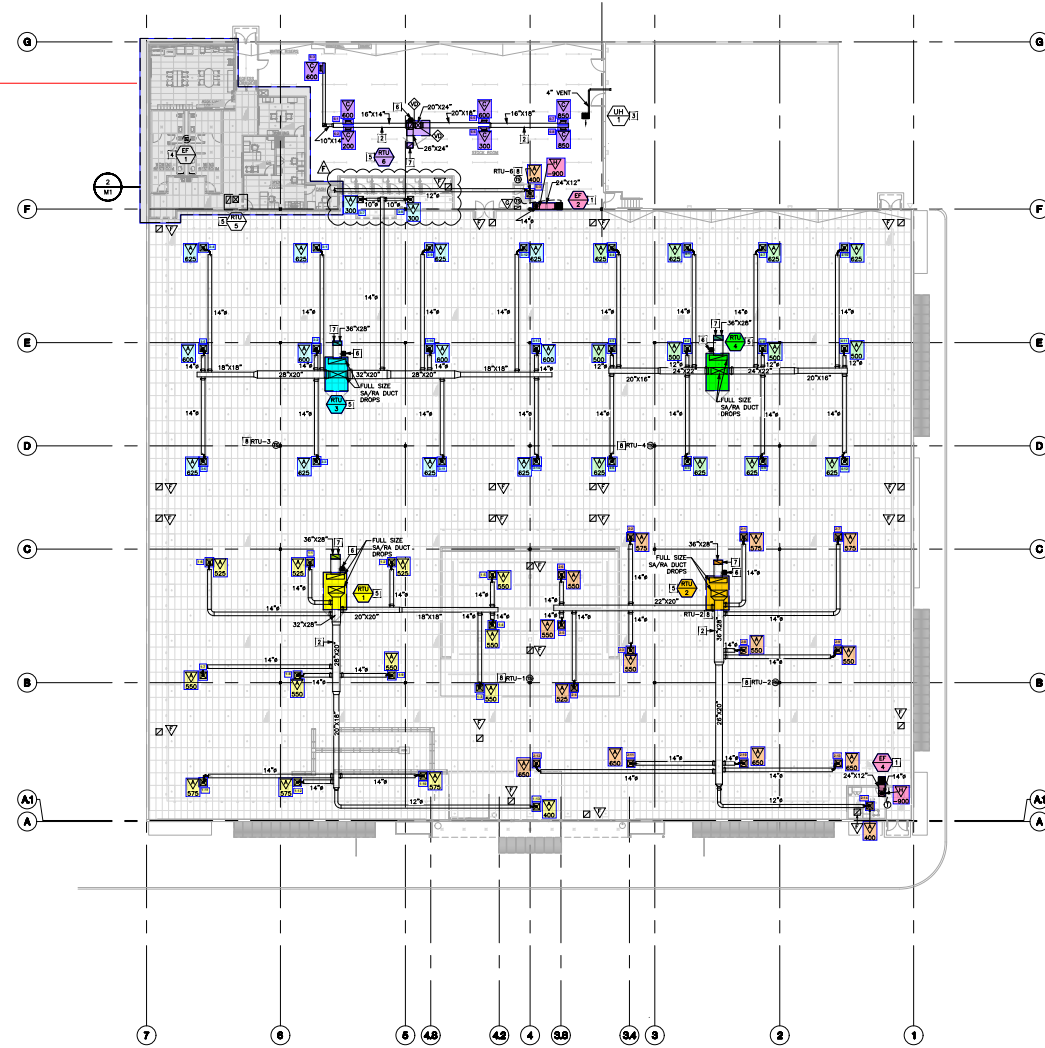
| Function | | Range | Minimum Accuracy | Instrument Information | Calibration Date | Date Due |
|-------------|-----------------------------------|---------------------------|------------------------------|--------------------------------------|------------------|------------|
| AIR | AIR PRESSURE | 0 in wg to 10 in wg | 2% +/- 0.001 in wg | Shortridge ADM-860C S/N M19547 | 10/17/2023 | 10/16/2024 |
| | AIR VELOCITY INSTRUMENT | 50 fpm to 3900 fpm | +/- 5 % +/- 7 fpm | Shortridge ADM-860C S/N M19548 | 10/17/2023 | 10/16/2024 |
| | DIRECT HOOD READING | 100 cfm to 2000 cfm | +/- 3 % +/- 7 cfm | Shortridge Flow Hood | 10/17/2023 | 10/16/2024 |
| TEMPERATURE | AIR METER | -20 F to 240 F | +/- .5 % 2 F | Cooper ATKINS - SRH77A S/N 081820093 | 10/20/2023 | 10/19/2024 |
| | AIR PROBE | -20 F to 240 F | +/- .5 % 2 F | Cooper ATKINS - PD1388 7-6 S/N 5028 | 10/20/2023 | 10/19/2024 |
| | IMMERSION METER | -20 F to 240 F | +/- .5 % 2 F | Cooper ATKINS - SRH77A S/N 081820093 | 10/20/2023 | 10/19/2024 |
| | IMMERSION PROBE | -20 F to 240 F | +/- .5 % 2 F | Cooper ATKINS - PD1388 7-6 S/N 1075 | 10/20/2023 | 10/19/2024 |
| | CONTACT METER | -20 F to 240 F | +/- .5 % 2 F | Cooper ATKINS - SRH77A S/N 081820093 | 10/20/2023 | 10/19/2024 |
| | CONTACT PROBE | -20 F to 240 F | +/- .5 % 2 F | Cooper ATKINS - PD1388 7-6 S/N 4011 | 10/20/2023 | 10/19/2024 |
| HUMIDITY | HUMIDITY PROBE | 10 % RH to 90 % RH | 3% of reading | Cooper ATKINS - SRH77A S/N 090315046 | 10/20/2023 | 10/19/2024 |
| ELECTRICAL | VOLTAGE MEASUREMENT | 0 VAC to 600 VAC | 2 % reading +/- 5 digits | Dwyer CM-1 - S/N 190800099 | 10/16/2023 | 10/15/2024 |
| | AMPERAGE MEASUREMENT | 0 Amperers to 100 Amperes | 2 % reading +/- 5 digits | Dwyer CM-1 - S/N 190800099 | 10/16/2023 | 10/15/2024 |
| ROTATION | ROTATION MEASUREMENT | 60 rpm to 5000 rpm | 2 % reading 2 rpm | Dwyer TAC-L - S/N S1100123 | 10/16/2023 | 10/15/2024 |
| HYDRONIC | PRESSURE MEASUREMENT | -30 in Hg to 200 psi | ±2% of reading +/- 1 psi | Dwyer 490W-6 - S/N 01L6NK | 6/3/2024 | 6/3/2025 |
| | DIFFERENTIAL PRESSURE MEASUREMENT | 0 psi - 80 psi | ±2% of reading +/- 1 psi | Dwyer 490W-6 - S/N 01L6NK | 6/3/2024 | 6/3/2025 |
| DALT | DUCT LEAKAGE | -10" - +10" wc | ±1% of reading +/- 0.004" wc | Kanomax DALT 6900 S/N: 080439 | 3/2024 | 3/1/2025 |

Abbreviation List

| | |
|--|---|
| A = Area (ft ²) | S.F. = Service Factor |
| AHU = Air Handling Unit | SF = Supply Fan |
| A _k = Effective Area | SP = Static Pressure |
| BHP = Brake Horsepower (IP) HP | SR = Supply Register |
| Btu = British Thermal Unit | T = Temperature |
| Btu/h = Btuh = BTUH = BTU/Hour | T _{ma} = Mixed Air Temperature |
| CL = Center Distance (used in belt formula) | T _{oa} = Outside Air Temperature |
| CD = Ceiling Diffuser | T _{ra} = Return Air Temperature |
| CF = Correction Factor | H = Head (in wc, ft wc, psi) |
| CFM = Volumetric Flow: Cubic Feet Per Minute | h = Enthalpy |
| CO ₂ = Carbon Dioxide | HP = Horsepower |
| CO = Carbon Monoxide | hr = Hour |
| C _v = Flow Constant | K _v = Flow constant (SI) |
| d = Diameter (in.) IP | kW = Kilowatt = 1000 Watts |
| Δ = Difference or Change (Final - Initial) | LAT = Leaving Air Temperature |
| DB = Dry Bulb | lb = Pounds |
| EA = Exhaust Air | LWT = Leaving Water Temperature |
| EAT = Entering Air Temperature | ma = Mixed Air |
| EF = Exhaust Fan | MIN = Minimum |
| Eff = Efficiency | MAX = Maximum |
| EG = Exhaust Grille | N/A = Not Applicable |
| ESP = External Static Pressure | NA = No Access |
| EWT = Entering Water Temperature | NL = Not Listed |
| °F = Degrees Fahrenheit, °F | NPSHA = Net Positive Suction Head Available |
| FPB = Fan Powered Box | NS = Not Specified |
| FLA = Full Load Amps | OA = Outside Air |
| fpm = Feet per Minute (fpm) | OAT = Outside Air Temperature |
| ft = Foot | PD = Sheave Pitch Diameter |
| gal = Gallons | P.D. = Pressure Drop |
| GPM = Gallons Per Minute (GPM) | PF = Power Factor |
| h = Enthalpy (BTU/lb dry air) | SG = Supply Grille |
| P = Pressure | SR = Supply Register |
| ppm = parts per million | TP = Total Pressure |
| psi = Pounds Per Square Inch | T _{ra} = Return Air Temperature |
| psid = PSI Differential | TS = Tip Speed (fpm) IP, (m/s) SI |
| r = Radius (in) | TSP = Total Static Pressure |
| % _{ra} = % of Return Air | V = Velocity |
| RA = Return Air | VAV = Variable Air Volume |
| RAT = Return Air Temperature | VD = Volume Damper |
| RF = Return Fan | VFD = Variable Frequency Drive |
| RG = Return Grille | W = Watt |
| RH = Relative Humidity | WB = Wet Bulb |
| RPM = Revolutions Per Minute | wg = wc = water gauge = water column |
| RTU = Roof Top Unit | WHP = Water Horsepower (IP) |
| SA = Supply Air | ω = Humidity Ratio |



2 ENLARGED MECHANICAL PLAN
1/8" = 1'-0"



MECHANICAL PLAN
1/16" = 1'-0"

DEMAND CONTROL VENTILATION

UNOCCUPIED OPERATION:
WHEN THE BUILDING IS UNOCCUPIED, THE DEMAND CONTROL VENTILATION SYSTEM SHALL BE CLOSED, AND ALL ROOFTOP UNIT OUTSIDE AIR DAMPERS SHALL BE CLOSED.

OCCUPIED OPERATION:
ONE GLOBAL CO2 SENSOR SHALL MEASURE CO2 LEVEL OF OUTDOOR AIR. THESE SHALL BE MAINTAINED CO2 SENSORS SERVING THE RETAIL SPACE, WITH NO MORE THAN 25000 CF OF RETAIL SPACE SERVED PER SENSOR, AND NO MORE THAN ONE FLOOR SERVED PER SENSOR. THESE SHALL BE ONE CO2 SENSOR SERVING THE OFFICE CORE. EACH SPACE CO2 SENSOR READING SHALL BE SENT TO BAS. CO2 READINGS SHALL BE COMPARED TO THE GLOBAL CO2 SENSORS AS WELL. IF THE READING FALLS BELOW THE CO2 SETPOINT, THE BAS SHALL SEND A SIGNAL TO ROOFTOP UNIT CONTROLLER TO MODULATE THE OUTDOOR AIR DAMPER TO BASE POSITION (MAXIMUM VENTILATION RATE PER VENTILATION SCHEDULE ON DRAWING M2) UTILIZING A PROPORTIONAL-INTEGRAL (PI) LOOP TO MAINTAIN A CO2 CONCENTRATION LESS THAN OR EQUAL TO THE CO2 SETPOINT (ENTER TO CO2 CONTROL RANGE).
IF THE CO2 SENSOR READING IS ABOVE THE CO2 SETPOINT, BAS SHALL SIGNAL THE OUTDOOR AIR DAMPER CONTROLLER TO CONTINUE TO MODULATE DAMPERS OPEN UNTIL THE OCCUPIED VENTILATION RATE (MAXIMUM VENTILATION RATE PER VENTILATION SCHEDULE ON DRAWING M2) IS ACHIEVED.
THE ROOFTOP UNIT SHALL MODULATE ITS HEATING TO MAINTAIN THE DISCHARGE AIR TEMPERATURE SETPOINT IF THE MIXED AIR TEMPERATURE FALLS BELOW THE ROOFTOP UNIT SPACE THERMOSTAT SETPOINT.
IF THE BAS DETERMINES THAT IT IS BENEFICIAL TO USE OUTSIDE AIR FOR COOLING, THE ECONOMIZER SHALL OVERRIDE THE DEMAND CONTROL VENTILATION ALGORITHM TO MODULATE THE DAMPERS OPEN TO THE REQUIRED ECONOMIZER DAMPER POSITION.

CO2 CONTROL RANGE:
WHEN THE CO2 LEVEL OF 750 PPM ABOVE AMBIENT IS MEASURED BY THE SPACE CO2 SENSORS, THE OUTSIDE AIR DAMPER SHALL MODULATE OPEN TO MAINTAIN THE CO2 LEVEL AT NO MORE THAN 750 PPM ABOVE AMBIENT.

PRE-OCCUPANCY PURGE:
WHEN THE ROOFTOP UNIT STARTS, THE OUTDOOR AIR DAMPER SHALL OPEN, INITIATING A THREE-PURGE CYCLE. THE OUTDOOR AIR DAMPER SHALL MODULATE TO MAINTAIN THE MIXED AIRFLOW AT 25% FRESH OUTDOOR AIR. THE PURGE PERIODS SHALL BE ADJUSTABLE AND SHALL INITIALLY BE SET FOR A MINIMUM OF 2 MINUTES.

DISCHARGE AIR TEMPERATURE:
THE ROOFTOP UNIT SHALL MODULATE ITS HEATING TO MAINTAIN THE DISCHARGE AIR TEMPERATURE SETPOINT IF THE MIXED AIR TEMPERATURE FALLS BELOW THE ROOFTOP UNIT SPACE THERMOSTAT SETPOINT. AT THE CONCLUSION OF THE THREE-CYCLE, THE OUTDOOR AIR DAMPER SHALL MODULATE CLOSED TO MAINTAIN THE BASE VENTILATION RATE OF OUTDOOR AIR REFER TO VENTILATION SCHEDULE ON DRAWING M2, AND THE DEMAND CONTROL VENTILATION ALGORITHM SHALL BE ENABLED.

KOHL'S
WESLEY CHAPEL
2524 SUN VISTA DR
LUTZ, FL 33504
11604

DEVELOPED BY:
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TEL: 603-750-7878
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GENERAL MECHANICAL NOTES

- A. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE MECHANICAL DRAWINGS AND SPECIFICATIONS WITH THE CONTRACTOR. IF A DISCREPANCY IS IDENTIFIED THROUGHOUT THE DOCUMENT SET AND CANNOT BE RESOLVED THROUGH THE MECHANICAL CONTRACTOR, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY.
- B. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE PROJECT SITE, PROVIDE DUCT RISERS AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND PROSE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- C. DRAWINGS FOR HVAC WORK ARE SUPPLEMENTARY TO THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE USED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- D. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING JURISDICTION. APPROVE FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- E. HVAC CONTRACTOR IS RESPONSIBLE FOR STARTUP AND PROPER OPERATION OF ALL ROOFTOP UNITS.
- F. USE OF COMBUSTIBLE MATERIALS IS NOT ALLOWED IN THE RETURN AIR PLENUM. MATERIALS USED IN THE PLENUM SHALL HAVE FLAME SPREAD RATING NOT TO EXCEED 0 AND SMOKE DEVELOPED RATING NOT TO EXCEED 50. WHEN TESTED IN ACCORDANCE WITH ASTM E 84- ALL EXPOSED WIRING IN THE PLENUM SHALL BE PLENUM RATED.
- G. INSULATE SUPPLY DUCTWORK WITH MINIMUM 1-1/2" THICK FOL-FOK-SHOKED DUCT WRAP. ALL DUCTWORK WITHIN A 60 FOOT RADIUS FROM THE SUPPLY EXIST DUCT SHALL BE INSULATED. R-VALUE SHALL BE MINIMUM 4.2.
- H. PROVIDE AIR TIGHT COVERS OVER RETURN AIR OPENINGS OF UNITS. EXIST DURING CONSTRUCTION. PROVIDE FILTER RACK AND MINIMUM MERV 8 FILTERS. USE FOR TEMPORARY HIGH-TEMPERATURE HEATING INTERIMENTS. PROVIDE REGULAR INTERVALS DURING TEMPORARY USE. CONTRACTOR IS RESPONSIBLE FOR CLEANING AND REPAIRING UNITS AND DUCTWORK ON CHANGEOVER DURING TEMPORARY USE.
- I. IF CONTRACTOR OPTS FOR EQUIVALENT SIZE ROUND DUCTWORK IS ALLOWED IN LIEU OF RECTANGULAR DUCTWORK. ROUND DUCTWORK SHALL BE SIZED FOR MAXIMUM PERMISSIBLE DROP OF 0.25"/100 FT OF DUCT, AND MAXIMUM VELOCITY NOT TO EXCEED 1200 FPM.
- J. ANY DUCTWORK, CONTROL WIRING, ACCESSORIES, ETC. LOCATED ABOVE CAROUSEL SYSTEMS SHALL BE INSTALLED HIGH BETWEEN AND/OR THROUGH STRUCTURAL JOISTS TO AVOID CLEARANCE ISSUES WITH CAROUSEL SYSTEMS.

MECHANICAL PLAN NOTES

- [1] PROVIDE INLINE TRANSFER FAN SUPPORT FAN FROM STRUCTURE ABOVE WITH STEEL CHANNEL AND THROUGH RISER WITH MINIMUM ISOLATION. PROVIDE TRANSFER FAN SHALL DISCHARGE TO RELEASE. REFER TO EXHAUST AND TRANSFER FAN SCHEDULE ON SHEET M2 FOR ADDITIONAL REQUIREMENTS.
- [2] MOUNT DUCT TIGHT TO BOTTOM OF STRUCTURE.
- [3] PROVIDE GAS-FIRED UNIT HEATER. SUSPENDED HEATER FROM STRUCTURE ABOVE WITH STEEL CHANNEL AND ALL-THREAD ROD. MOUNT BOTTOM OF UNIT HEATER 4" ABOVE FRESH FLOOR. PROVIDE VENTILATION INTERIMENTS. PROVIDE VENT IN ACCORDANCE WITH UNIT HEATER MANUFACTURER'S INSTRUCTIONS. PROVIDE MANUFACTURER'S SCHEDULE VENT TERMINATION KIT. TERMINATE VENT PER CODE AND A MINIMUM OF 10' ABOVE GRADE. REFER TO UNIT HEATER SCHEDULE ON SHEET M2 FOR ADDITIONAL REQUIREMENTS.
- [4] PROVIDE ROOF MOUNTED EXHAUST FAN AND CURB. PROVIDE DUCTWORK AS INDICATED ON THE PLAN. EXTEND DUCTWORK UP TO ROOF. REFER TO EXHAUST AND TRANSFER FAN SCHEDULE ON SHEET M2 FOR ADDITIONAL REQUIREMENTS.
- [5] RETAIN ROOFTOP UNIT AND ROOF CURB. COORDINATE UNIT WITH STRUCTURE, SIMN UNIT AND CURB LEVEL FOR PROPER CONDENSATE DRAINAGE. UNIT SHALL BE INSTALLED MINIMUM 1/4" FOR FOOT OUT OF LEVEL. PROVIDE FLOORING AND INSULATION. PROVIDE UNIT AND RETURN AIR DUCT CONNECTIONS. TRANSFER TO DUCT. SIZES SHOWN. PROVIDE DUCTWORK AND AIR DISTRIBUTION DEVICES AS INDICATED ON THE PLAN. ALSO REFER TO ROOFTOP UNIT SCHEDULE ON SHEET M2.
- [6] METALL SMOKE DETECTOR FURNISHED BY FIRE ALARM CONTRACTOR. PROVIDE INTERLOCK WIRING FROM RELAY TO SMOKE DETECTOR TO ROOFTOP UNIT TO SHUT DOWN ROOFTOP UNIT UPON ALARM SOUND. FROM FIRE ALARM PANEL ON SIGNAL FROM FIRE ALARM SYSTEM. ALL ROOFTOP UNITS SHALL SHUT DOWN. REFER TO FIRE ALARM SYSTEM SCHEDULE ON SHEET M2 FOR ADDITIONAL REQUIREMENTS.
- [7] PROVIDE RETURN AIR BOOT WITH ACoustical DUCT LINER. LINER SHALL BE 1-1/2" THICK 2" OF CENTER. LOCATE LINE TYPE FIBER WITH SURFACE CLEANING. PROVIDE DUCT CLIMATE CONTROL. METALL LINER SHALL BE ACCORDANCE WITH MINIMA DUCT CONSTRUCTION STANDARDS. LAMINATE LINER TO INTERNAL SURFACES OF DUCT IN ACCORDANCE WITH LINER MANUFACTURER'S INSTRUCTIONS, AND FASTEN WITH MECHANICAL FASTENERS.
- [8] PROVIDE GAS TEMPERATURE SENSOR ON COLUMN SHOWN ON PLAN. MOUNT 72" ABOVE FINISHED FLOOR.

Bowen+
2018 CENTER STREET, SUITE 900
CLEVELAND, OH 44113

INFORMATION ON THIS DRAWING TAKES PRECEDENCE OVER THE SPECIFICATIONS UNLESS THE DOCUMENTS HAVE CONFLICTING INFORMATION.

| NO. | DATE | BY | DESCRIPTION |
|-----|----------|----|-------------|
| 1 | 11/17/23 | KL | ADDENDUM A |
| 2 | 2/12/24 | KL | ADDENDUM C |
| 3 | 3/26/24 | KL | ADDENDUM F |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

MECHANICAL PLAN

SCALE: AS NOTED SHEET:
PROJECT #: 13615
DRWN BY: CHRD BY:
BLDG. SUBMITTAL: 12/1/23

M1

CONSTRUCTION SET - 9/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)
System/Unit: AHU/RTU



Asset: RTU-1

AREA: SALES FLOOR

| Unit Data | | |
|------------------|--------|--------------------|
| | Design | Actual |
| MFG | YORK | YORK |
| Serial Num | - | N2F4495562 |
| Model Num | NA | AV18S3CQ4G3CAS4KB3 |
| Configuration | - | VERTICAL |
| Num OA Filters 1 | - | 2 |
| OA Filter Size 1 | - | 31X12.75 |
| Num PreFilter 1 | - | 6 |
| PreFilter Size 1 | - | 20X25X2 |

| Test Data | | |
|--------------------|--------|-------------|
| | Design | Actual |
| SF CFM | 7000 | 7044 |
| SF RPM | 890 | 49Hz |
| RA CFM | - | 5699 |
| OA CFM | 1395 | 1345 |
| RL Voltage | 460 | 478/476/480 |
| RL Amperage | 9.9 | 4.7/4.7/4.4 |
| OA Damper Position | - | 22% |
| Brake Horse Power | 3.26 | 3.60 |

| Motor Data | | |
|----------------|--------|--------------------|
| | Design | Actual |
| Motor MFG | - | BALDOR RELIANCE |
| Frame | - | 184TZ |
| Horsepower | 5 | 5.25 |
| Motor Rpm | - | 1750 |
| Phase | 3 | 3 |
| Rated Voltage | 460 | 208-230/460 |
| Rated Amperage | 9.9 | 13.5-13.4/6.7 |
| Service Factor | - | 1.15 |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.18" |
| Fan Suction SP | - | -0.59" |
| Fan Discharge SP | - | 0.29" |

| Drive Data | |
|--------------------|---------------|
| | Actual |
| Motor Sheave Size | 4.5" |
| Motor Bore Size | 7/8" |
| Motor Sheave SetPt | 2.5 TURNS OUT |
| Fan Sheave Size | 1B5V74 |
| Fan Sheave Bore | 1 7/16" |
| Belt CL Distance | 11.5" |
| Num of Belts | 1 |
| Belt Size | BX40 |

Completed By: Stephen Tassinaro on 08/22/2024

Notes:

VFD Setpoint: 49Hz // High Speed High CO2 - 28% // Low Speed Low CO2 - 37% // Low Speed High CO2 - 66%

Written By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

AHU/RTU



Diffuser Supply (GRD)

RTU-1/SALES FLOOR

| Asset | | | | | | | |
|------------|-------------|------|------|------------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | CFM(1) | FINAL CFM | % to design |
| 1-1 | OFFICE | A | 12" | 400 | 443 | 390 | 97.5 |
| 1-2 | SALES FLOOR | A | 14" | 575 | 722 | 624 | 108.5 |
| 1-3 | SALES FLOOR | A | 14" | 575 | 856 | 626 | 108.9 |
| 1-4 | SALES FLOOR | A | 14" | 575 | 706 | 624 | 108.5 |
| 1-5 | SALES FLOOR | A | 14" | 550 | 606 | 532 | 96.7 |
| 1-6 | SALES FLOOR | A | 14" | 550 | 686 | 531 | 96.5 |
| 1-7 | SALES FLOOR | A | 14" | 550 | 627 | 559 | 101.6 |
| 1-8 | SALES FLOOR | A | 14" | 550 | 654 | 554 | 100.7 |
| 1-9 | SALES FLOOR | A | 14" | 550 | 574 | 504 | 91.6 |
| 1-10 | SALES FLOOR | A | 14" | 550 | 648 | 545 | 99.1 |
| 1-11 | SALES FLOOR | A | 14" | 525 | 546 | 480 | 91.4 |
| 1-12 | SALES FLOOR | A | 14" | 525 | 607 | 502 | 95.6 |
| 1-13 | SALES FLOOR | A | 14" | 525 | 678 | 573 | 109.1 |
| Total | | | | 7000 | 8353 | 7044 | 100.63% |

Completed By: Stephen Tassinaro on 08/09/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

System/Unit: AHU/RTU



Asset: RTU-2

AREA:SALES FLOOR

| Unit Data | | |
|------------------|--------|--------------------|
| | Design | Actual |
| MFG | YORK | YORK |
| Serial Num | - | N2F4489476 |
| Model Num | NA | AV20S3CQ4G3CAQ16F2 |
| Configuration | - | VERTICAL |
| Num OA Filters 1 | - | 2 |
| OA Filter Size 1 | - | 31X12.75 |
| Num PreFilter 1 | - | 6 |
| PreFilter Size 1 | - | 20X25X2 |

| Test Data | | |
|--------------------|--------|-------------|
| | Design | Actual |
| SF CFM | 8000 | 7969 |
| SF RPM | 945 | 50Hz |
| RA CFM | 6605 | 6487 |
| OA CFM | 1395 | 1482 |
| RL Voltage | 460 | 473/470/475 |
| RL Amperage | 9.9 | 5.4/5.4/4.9 |
| OA Damper Position | - | 21% |
| Brake Horse Power | 4.13 | 4.10 |

| Motor Data | | |
|----------------|--------|--------------------|
| | Design | Actual |
| Motor MFG | - | BALDOR RELIANCE |
| Frame | - | 184TZ |
| Horsepower | 5 | 5.25 |
| Motor Rpm | - | 1750 |
| Phase | 3 | 3 |
| Rated Voltage | 460 | 208-230/460 |
| Rated Amperage | 9.9 | 13.5-13.4/6.7 |
| Service Factor | - | 1.15 |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.21" |
| Fan Suction SP | - | -0.76" |
| Fan Discharge SP | - | 0.40" |
| Total ESP | 0.75 | 0.61" |
| Fan Total SP | 0.82 | 1.16" |

| Drive Data | |
|--------------------|---------------|
| | Actual |
| Motor Sheave Size | 4.75" |
| Motor Bore Size | 7/8" |
| Motor Sheave SetPt | 2.5 TURNS OUT |
| Fan Sheave Size | 7.75" |
| Fan Sheave Bore | 1 7/16" |
| Belt CL Distance | 11.25" |
| Num of Belts | 1 |
| Belt Size | BX40 |

Completed By: Stephen Tassinaro on 08/09/2024

Notes:

50Hz VFD // High Speed High CO2 - 36% // Low Speed Low CO2 - 47% // Low Speed High CO2 - 75%

Written By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

AHU/RTU



Diffuser Supply (GRD)

RTU-2/SALES FLOOR

| Asset | | | | | | | |
|------------|-------------|------|------|------------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | CFM(1) | FINAL CFM | % to design |
| 2-1 | OFFICE | A | 12" | 400 | 608 | 371 | 92.8 |
| 2-2 | SALES FLOOR | A | 14" | 650 | 718 | 646 | 99.4 |
| 2-3 | SALES FLOOR | A | 14" | 650 | 165 | 632 | 97.2 |
| 2-4 | SALES FLOOR | A | 14" | 650 | 843 | 691 | 106.3 |
| 2-5 | SALES FLOOR | A | 14" | 650 | 530 | 697 | 107.2 |
| 2-6 | SALES FLOOR | A | 14" | 525 | 656 | 550 | 104.8 |
| 2-7 | SALES FLOOR | A | 14" | 550 | 456 | 565 | 102.7 |
| 2-8 | SALES FLOOR | A | 14" | 550 | 806 | 559 | 101.6 |
| 2-9 | SALES FLOOR | A | 14" | 550 | 655 | 538 | 97.8 |
| 2-10 | SALES FLOOR | A | 14" | 575 | 676 | 530 | 92.2 |
| 2-11 | SALES FLOOR | A | 14" | 575 | 576 | 568 | 98.8 |
| 2-12 | SALES FLOOR | A | 14" | 575 | 467 | 545 | 94.8 |
| 2-13 | SALES FLOOR | A | 14" | 550 | 661 | 516 | 93.8 |
| 2-14 | SALES FLOOR | A | 14" | 550 | 620 | 561 | 102.0 |
| Total | | | | 8000 | 8437 | 7969 | 99.61% |

Completed By: Stephen Tassinaro on 08/09/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

System/Unit: AHU/RTU



Asset: RTU-3

AREA: SALES FLOOR

| Unit Data | | |
|------------------|--------|--------------------|
| | Design | Actual |
| MFG | YORK | YORK |
| Serial Num | - | N2F4489477 |
| Model Num | NA | AV20S3CQ4G3CAS1KB3 |
| Configuration | - | VERTICAL |
| Num OA Filters 1 | - | 2 |
| OA Filter Size 1 | - | 31X12.75 |
| Num PreFilter 1 | - | 6 |
| PreFilter Size 1 | - | 20X25X2 |

| Test Data | | |
|--------------------|--------|-------------|
| | Design | Actual |
| SF CFM | 8000 | 7884 |
| SF RPM | 945 | 51Hz |
| RA CFM | 6605 | 6462 |
| OA CFM | 1395 | 1422 |
| RL Voltage | 460 | 476/478/480 |
| RL Amperage | 9.9 | 6.0/6.0/5.4 |
| OA Damper Position | - | 23% |
| Brake Horse Power | 4.13 | 4.54 |

| Motor Data | | |
|----------------|--------|--------------------|
| | Design | Actual |
| Motor MFG | - | BALDOR RELIANCE |
| Frame | - | 184TZ |
| Horsepower | 5 | 5.25 |
| Motor Rpm | - | 1750 |
| Phase | 3 | 3 |
| Rated Voltage | 460 | 208-230/460 |
| Rated Amperage | 9.9 | 13.5-13.4/6.7 |
| Service Factor | - | 1.15 |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.32" |
| Fan Suction SP | - | -0.96" |
| Fan Discharge SP | - | 0.45" |
| Total ESP | 0.75 | 0.77" |
| Fan Total SP | 0.82 | 1.41" |

| Drive Data | |
|--------------------|---------------|
| | Actual |
| Motor Sheave Size | 4.75" |
| Motor Bore Size | 7/8" |
| Motor Sheave SetPt | 2.5 TURNS OUT |
| Fan Sheave Size | 7.75" |
| Fan Sheave Bore | 1 7/16" |
| Belt CL Distance | 11.25" |
| Num of Belts | 1 |
| Belt Size | BX40 |

Completed By: Stephen Tassinaro on 08/22/2024

Notes:

51Hz VFD // High Speed High CO2 - 35% // Low Speed Low CO2 - 36% // Low Speed High CO2 - 70%

Written By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

AHU/RTU



Diffuser Supply (GRD)

RTU-3/SALES FLOOR

| Asset | | | | | | | |
|------------|-------------|------|------|------------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | CFM(1) | FINAL CFM | % to design |
| 3-1 | SALES FLOOR | A | 14" | 625 | 748 | 583 | 93.3 |
| 3-2 | SALES FLOOR | A | 14" | 600 | 118 | 552 | 92.0 |
| 3-3 | SALES FLOOR | A | 14" | 625 | 871 | 576 | 92.2 |
| 3-4 | SALES FLOOR | A | 14" | 625 | 876 | 603 | 96.5 |
| 3-5 | SALES FLOOR | A | 14" | 600 | 807 | 638 | 106.3 |
| 3-6 | SALES FLOOR | A | 14" | 625 | 662 | 579 | 92.6 |
| 3-7 | SALES FLOOR | A | 14" | 625 | 805 | 658 | 105.3 |
| 3-8 | SALES FLOOR | A | 14" | 600 | 145 | 579 | 96.5 |
| 3-9 | SALES FLOOR | A | 14" | 625 | 873 | 658 | 105.3 |
| 3-10 | SALES FLOOR | A | 14" | 625 | 506 | 626 | 100.2 |
| 3-11 | SALES FLOOR | A | 14" | 600 | 869 | 580 | 96.7 |
| 3-12 | SALES FLOOR | A | 14" | 625 | 817 | 647 | 103.5 |
| 3-13 | SALES FLOOR | A | 10" | 300 | 0 | 302 | 100.7 |
| 3-14 | SALES FLOOR | A | 10" | 300 | 0 | 303 | 101.0 |
| Total | | | | 8000 | 8097 | 7884 | 98.55% |

Completed By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)
System/Unit: AHU/RTU



Asset: RTU-4

AREA:

| Unit Data | | |
|------------------|--------|--------------------|
| | Design | Actual |
| MFG | YORK | YORK |
| Serial Num | - | N2F4495561 |
| Model Num | NA | AV18S3CQ4G3CAS4KB3 |
| Configuration | - | VERTICAL |
| Num OA Filters 1 | - | 2 |
| OA Filter Size 1 | - | 31X12.75 |
| Num PreFilter 1 | - | 6 |
| PreFilter Size 1 | - | 20X25X2 |

| Test Data | | |
|--------------------|--------|-------------|
| | Design | Actual |
| SF CFM | 7000 | 7279 |
| SF RPM | 890 | 50Hz |
| RA CFM | 5605 | 6022 |
| OA CFM | 1395 | 1257 |
| RL Voltage | 460 | 472/470/474 |
| RL Amperage | 9.9 | 4.6/4.6/4.2 |
| OA Damper Position | - | 22% |
| Brake Horse Power | 3.26 | 3.5 |

| Motor Data | | |
|----------------|--------|--------------------|
| | Design | Actual |
| Motor MFG | - | BALDOR RELIANCE |
| Frame | - | 184TZ |
| Horsepower | 5 | 5.25 |
| Motor Rpm | - | 1750 |
| Phase | 3 | 3 |
| Rated Voltage | 460 | 208-230/460 |
| Rated Amperage | 9.9 | 13.5-13.4/6.7 |
| Service Factor | - | 1.15 |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.16" |
| Fan Suction SP | - | -0.64" |
| Fan Discharge SP | - | 0.41" |
| Total ESP | .75 | 0.57" |
| Fan Total SP | .84 | 1.05" |

| Drive Data | |
|--------------------|---------------|
| | Actual |
| Motor Sheave Size | 4.5" |
| Motor Bore Size | 7/8" |
| Motor Sheave SetPt | 2.5 TURNS OUT |
| Fan Sheave Size | 1B5V74 |
| Fan Sheave Bore | 1 7/16" |
| Belt CL Distance | 11.5" |
| Num of Belts | 1 |
| Belt Size | BX40 |

Completed By: Stephen Tassinaro on 08/22/2024

Notes:
50Hz VFD // High Speed High CO2 - 36% // Low Speed Low CO2 - 47% // Low Speed High CO2 - 75%

Written By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

AHU/RTU



Diffuser Supply (GRD)

RTU-4/

| Asset | | | | | | | |
|------------|-------------|------|------|------------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | CFM(1) | FINAL CFM | % to design |
| 4-1 | SALES FLOOR | A | 14" | 625 | 893 | 673 | 107.7 |
| 4-2 | SALES FLOOR | A | 12" | 500 | 625 | 532 | 106.4 |
| 4-3 | SALES FLOOR | A | 14" | 625 | 782 | 667 | 106.7 |
| 4-4 | SALES FLOOR | A | 14" | 625 | 892 | 621 | 99.4 |
| 4-5 | SALES FLOOR | A | 12" | 500 | 761 | 470 | 94.0 |
| 4-6 | SALES FLOOR | A | 14" | 625 | 813 | 622 | 99.5 |
| 4-7 | SALES FLOOR | A | 14" | 625 | 873 | 665 | 106.4 |
| 4-8 | SALES FLOOR | A | 12" | 500 | 165 | 514 | 102.8 |
| 4-9 | SALES FLOOR | A | 14" | 625 | 820 | 648 | 103.7 |
| 4-10 | SALES FLOOR | A | 14" | 625 | 716 | 674 | 107.8 |
| 4-11 | SALES FLOOR | A | 12" | 500 | 111 | 516 | 103.2 |
| 4-12 | SALES FLOOR | A | 14" | 625 | 1028 | 677 | 108.3 |
| Total | | | | 7000 | 8479 | 7279 | 103.99% |

Completed By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

System/Unit: AHU/RTU



Asset: RTU-5

AREA:SERVER ROOM

| Unit Data | | |
|------------------|--------|--------------------|
| | Design | Actual |
| MFG | YORK | YORK |
| Serial Num | - | N2F4422656 |
| Model Num | NA | ZJ090S12R4D5BCBKA3 |
| Configuration | - | VERTICAL |
| Num OA Filters 1 | - | 1 |
| OA Filter Size 1 | - | 28.75X20.5 |
| Num PreFilter 1 | - | 4 |
| PreFilter Size 1 | - | 20X24X2 |

| Test Data | | |
|--------------------|--------|-------------|
| | Design | Actual |
| SF CFM | 2600 | 2625 |
| SF RPM | 936 | 43Hz |
| RA CFM | 2350 | 2400 |
| OA CFM | 250 | 225 |
| RL Voltage | 460 | 475/478/480 |
| RL Amperage | 4.7 | 2.3/2.4/1.7 |
| OA Damper Position | - | 22% |
| Brake Horse Power | 1.8 | 1.56 |

| Motor Data | | |
|----------------|--------|--------------------|
| | Design | Actual |
| Motor MFG | - | BALDOR RELIANCE |
| Frame | - | 57HZ |
| Horsepower | 3 | 3 |
| Motor Rpm | - | 1750 |
| Phase | 3 | 3 |
| Rated Voltage | 460 | 208-230/460 |
| Rated Amperage | 4.7 | 8.3-8.2/4.1 |
| Service Factor | - | 1.15 |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.44" |
| Fan Suction SP | - | -0.62" |
| Fan Discharge SP | - | 0.58" |
| Total ESP | 0.75 | 1.02" |
| Fan Total SP | 1 | 1.20" |

| Drive Data | |
|--------------------|---------------|
| | Actual |
| Motor Sheave Size | 1VM50 |
| Motor Bore Size | 7/8" |
| Motor Sheave SetPt | 2.5 TURNS OUT |
| Fan Sheave Size | AK59 |
| Fan Sheave Bore | 1.0" |
| Belt CL Distance | 19.5" |
| Num of Belts | 1 |
| Belt Size | A54 |

Completed By: Stephen Tassinaro on 08/22/2024

Notes:

Diffuser total = 2600CFM / RTU Schedule = 3000CFM. Balanced to diffuser total. Amperage and fan speed is available if a speed increase to 3000CFM is required. // High Speed High CO2 - 22% / Low Speed High CO2 - 25%

Written By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

AHU/RTU



Diffuser Supply (GRD)

RTU-5/SERVER ROOM

| Asset | | | | | | | |
|------------|------------------|------|------|------------|--------|-----------|-------------|
| Asset Name | Location | Type | Size | DESIGN CFM | CFM(1) | FINAL CFM | % to design |
| 5-1 | TRAINING | A | 10" | 350 | 655 | 355 | 101.4 |
| 5-2 | OFFICE | A | 8" | 200 | 387 | 187 | 93.5 |
| 5-3 | CASH | A | 10" | 200 | 191 | 182 | 91.0 |
| 5-4 | OFFICE | A | 8" | 200 | 123 | 191 | 95.5 |
| 5-5 | OFFICE | A | 8" | 150 | 290 | 164 | 109.3 |
| 5-6 | HALLWAY | A | 8" | 100 | 160 | 94 | 94.0 |
| 5-7 | WOMENS RR | A | 8" | 150 | 237 | 164 | 109.3 |
| 5-8 | MENS RR | A | 8" | 150 | 198 | - | - |
| 5-9 | HALLWAY | A | 8" | 100 | 327 | 98 | 98.0 |
| 5-10 | ASSOCIATE LOUNGE | A | 10" | 300 | 489 | 315 | 105.0 |
| 5-11 | ASSOCIATE LOUNGE | A | 10" | 300 | 403 | 320 | 106.7 |
| 5-12 | SERVER ROOM | A | 12" | 400 | 229 | 404 | 101.0 |
| Total | | | | 2600 | 3689 | 2474 | 95.15% |

Completed By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)
System/Unit: AHU/RTU



Asset: RTU-6

AREA:

| Unit Data | | |
|------------------|--------|--------------------|
| | Design | Actual |
| MFG | YORK | YORK |
| Serial Num | - | N2F4422655 |
| Model Num | NA | ZJ120S24R4D5BCLKA3 |
| Configuration | - | VERTICAL |
| Num OA Filters 1 | - | 1 |
| OA Filter Size 1 | - | 29X20.5 |
| Num PreFilter 1 | - | 4 |
| PreFilter Size 1 | - | 24X20X2 |

| Test Data | | |
|--------------------|--------|-------------|
| | Design | Actual |
| SF CFM | 4000 | 3928 |
| SF RPM | 1210 | 1016 |
| RA CFM | 3265 | 3185 |
| OA CFM | 735 | 743 |
| RL Voltage | 460 | 481/474/478 |
| RL Amperage | 4.7 | 3.6/3.7/3.1 |
| OA Damper Position | - | 23% |
| Brake Horse Power | 3.02 | 2.53 |

| Motor Data | | |
|----------------|--------|--------------------|
| | Design | Actual |
| Motor MFG | - | BALDOR RELIANCE |
| Frame | - | 56HZ |
| Horsepower | 3 | 3.0 |
| Motor Rpm | - | 1750 |
| Phase | 3 | 3 |
| Rated Voltage | 460 | 208-230/460 |
| Rated Amperage | 4.7 | 8.3-8.2/4.1 |
| Service Factor | - | 1.15 |

| Performance Data | | |
|------------------|--------|--------|
| | Design | Actual |
| MA Plenum SP | - | -0.57" |
| Fan Suction SP | - | -0.94" |
| Fan Discharge SP | - | 0.53" |
| Total ESP | 0.75 | 1.10" |
| Fan Total SP | 1.31 | 1.47" |

| Drive Data | |
|--------------------|---------------|
| | Actual |
| Motor Sheave Size | VM50 |
| Motor Bore Size | 7/8" |
| Motor Sheave SetPt | 2.5 TURNS OUT |
| Fan Sheave Size | AK74 |
| Fan Sheave Bore | 1.0" |
| Belt CL Distance | 19.0" |
| Num of Belts | 1 |
| Belt Size | A54 |

Completed By: Stephen Tassinaro on 08/22/2024

Notes:

Supply total found via 2 duct traverse, individual diffusers will be adjusted 8/19. Trunk 1: 978FPM * 2.5ft area = 2445CFM. Trunk 2: 840FPM * 1.56ft area = 1310CFM. Total = 3755 CFM. Fan speed later increased to achieve 3928CFM // High Speed High CO2 - 23% / Low Speed Low CO2 - 32%

Written By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

AHU/RTU



Diffuser Supply (GRD)

RTU-6/

| Asset | | | | | | | | | |
|------------|------|-------|------------|-----|--------|--------|--------|-----------|-------------|
| Asset Name | Type | Size | DESIGN CFM | AK | VEL(1) | CFM(1) | VEL(2) | FINAL CFM | % to design |
| 6-1 | C | 20X14 | 600 | 1.5 | 428 | 642 | 397 | 596 | 99.3 |
| 6-2 | C | 20X14 | 600 | 1.5 | 288 | 432 | 382 | 573 | 95.5 |
| 6-3 | C | 20X14 | 200 | 1.5 | 259 | 389 | 129 | 194 | 97.0 |
| 6-4 | C | 20X14 | 600 | 1.5 | 321 | 482 | 399 | 599 | 99.8 |
| 6-5 | C | 20X14 | 300 | 1.5 | 303 | 455 | 196 | 294 | 98.0 |
| 6-6 | C | 20X14 | 850 | 1.5 | 451 | 677 | 559 | 839 | 98.7 |
| 6-7 | C | 20X14 | 850 | 1.5 | 476 | 714 | 555 | 833 | 98.0 |
| Total | | | 4000 | | | 3791 | | 3928 | 98.2% |

Completed By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)
System/Unit: FAN - Exhaust



Asset: EF-1

AREA:RESTROOMS

| Unit Data | | |
|-------------------|-----------|-----------------|
| | Design | Actual |
| MFG | GREENHECK | GREENHECK |
| Model Num | G-090-VG | G-090-VG-1-17-X |
| Serial Num | - | 24193829 24C |
| Type | CEILING | CENTRIFUGAL |

| Test Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| CFM | 600 | 565 |
| RL Voltage | - | 118 |
| RL Amperage | - | 1.1 |
| Total ESP | 0.375 | 0.11" |

| Motor Data | | |
|-------------------------|--------|-------------|
| | Design | Actual |
| Motor MFG | - | BROAD-OCEAN |
| Horsepower | 0.08 | 1/10 |
| Motor Rpm | 1725 | 1750 |
| Phase | 1 | 1 |
| Voltage (rated) | 115 | 115 |
| Amperage (rated) | - | 1.38 |

Completed By: Stephen Tassinaro on 08/22/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

System/Unit: FAN - Exhaust



Asset: EF-2

AREA:MDF ROOM

| Unit Data | | |
|-------------------|-----------|--------------|
| | Design | Actual |
| MFG | GREENHECK | GREENHECK |
| Model Num | CSP-A1050 | CSP-A1050-QD |
| Serial Num | - | 23995667 |
| Type | CEILING | INLINE |

| Test Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| CFM | 900 | 922 |
| RL Voltage | - | 117 |
| RL Amperage | - | 3.5 |
| Total ESP | 0.25 | 0.14 |

| Motor Data | | |
|-------------------------|--------|--------|
| | Design | Actual |
| Phase | 1 | 1 |
| Voltage (rated) | 115 | 115 |
| Amperage (rated) | - | 5 |

Completed By: Stephen Tassinaro on 08/08/2024

National TAB

Project: Kohls (Wesley Chapel, FL)

System/Unit: FAN - Exhaust



Asset: EF-3

AREA: CASH ROOM

| Unit Data | | |
|-------------------|-----------|-------------|
| | Design | Actual |
| MFG | GREENHECK | GREENHECK |
| Model Num | CSP-A510 | CSP-A510-QD |
| Serial Num | - | 24059077 |
| Type | CEILING | INLINE |

| Test Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| CFM | 400 | 398 |
| RL Voltage | - | 118 |
| RL Amperage | - | 2.5 |
| Total ESP | 0.21 | 0.10" |

| Motor Data | | |
|-------------------------|--------|--------|
| | Design | Actual |
| Phase | 1 | 1 |
| Voltage (rated) | 115 | 115 |
| Amperage (rated) | - | 3.3 |

Completed By: Stephen Tassinaro on 08/08/2024

National TAB

Project: Kohls (Wesley Chapel, FL)
System/Unit: FAN - Exhaust



Asset: EF-4

AREA:LP OFFICE

| Unit Data | | |
|-------------------|-----------|--------------|
| | Design | Actual |
| MFG | GREENHECK | GREENHECK |
| Model Num | CSP-A1050 | CSP-A1050-QD |
| Serial Num | - | 23995668 |
| Type | CEILING | INLINE |

| Test Data | | |
|--------------------|--------|--------|
| | Design | Actual |
| CFM | 900 | 914 |
| RL Voltage | - | 118 |
| RL Amperage | - | 3.5 |
| Total ESP | 0.25 | 0.18 |

| Motor Data | | |
|-------------------------|--------|--------|
| | Design | Actual |
| Phase | 1 | 1 |
| Voltage (rated) | 115 | 115 |
| Amperage (rated) | - | 5 |

Completed By: Stephen Tassinaro on 08/08/2024