

Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.
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Date: 10/10/2023

Return Request: 10/16/2023

Project: ASU Mid-South RC & UC Chiller Replacement

Supplier: Airetech

Manufacturer:

Submittal: Testing, Adjusting, & Balancing

Submittal Number: 23 05 93-01

Drawing # and Installation: Mechanical Drawings

ARCHITECT

Witsell Evans Rasco
901 W. Third Street
Little Rock, AR 72201
501-374-5300

ENGINEER

Pettit & Pettit
201 E. Markham St. #400
Little Rock, AR 72201
501-374-3731

GENERAL CONTRACTOR

Baldwin & Shell
3725 Champion Hills Driver, Suite 1300
Memphis, TN 38125
901-755-2952

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
9924 Landers Rd.
N. Little Rock, AR 72117
501-834-3320

Notes:

CSUSA PROJECT NO.

23-1024

jon@comfortar.com



Submittal

Job: ASU Mid-South Chiller Replacement

Location: West Memphis, AR

Contractor: Comfort Systems USA (AR)

Items submitted: Air Balance

Submitted by:
Elizabeth Amador
8/25/2023



CERTIFIED TEST, ADJUST, AND BALANCE REPORT

DATE

PROJECT

ARCHITECT

ENGINEER

HVAC CONTRACTOR

NEBB TAB FIRM

Airetech Corporation
7631 Northshore Place
North Little Rock, Arkansas 72118

Certification Number: 2847



PROJECT:

THE DATA PRESENTED IN THIS REPORT IS A RECORD OF SYSTEM MEASUREMENTS & FINAL ADJUSTMENTS THAT HAVE BEEN OBTAINED IN ACCORDANCE WITH THE CURRENT ADDITION OF THE NEBB PROCEDURAL STANDARD FOR TESTING, ADJUSTING & BALANCING OF ENVIRONMENTAL SYSTEMS. THE MEASUREMENTS SHOWN, & THE INFORMATION GIVEN, IN THIS REPORT ARE CERTIFIED TO BE ACCURATE & COMPLETE, AT THE TIME & DATE INFORMATION WAS GATHERED. ANY VARIANCES FROM DESIGN QUANTITIES, WHICH EXCEED NEBB TOLERANCES, ARE NOTED IN THE TAB REPORT PROJECT SUMMARY.

SUBMITTED & CERTIFIED BY:

NEBB TAB FIRM: AIRETECH CORPORATION

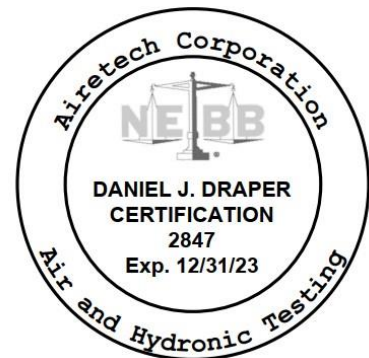
REGISTRATION NUMBER: 2847

CERTIFIED BY (TAB SUPERVISOR): DANIEL J DRAPER

CERTIFICATION EXPIRATION DATE: 12/31/2023

SIGNATURE:

A handwritten signature in black ink that reads 'Daniel J. Draper'.





Firm Certification

AIRETECH CORPORATION

HAS MET ALL REQUIREMENTS FOR NEBB CERTIFIED
STATUS IN THE FOLLOWING DISCIPLINE

Testing, Adjusting and Balancing of Environmental Systems

2847

NEBB Certification Number

December 31, 2023

Expiration Date

NEBB President

NEBB President-Elect



Certification

DANIEL J. DRAPER

**HAS MET ALL REQUIREMENTS FOR NEBB CERTIFIED PROFESSIONAL
STATUS IN THE FOLLOWING DISCIPLINE**

Testing, Adjusting and Balancing of Environmental Systems

This Certificate, as well as individual affiliation with a NEBB Certified Firm and associated NEBB Certification Stamp are REQUIRED to provide a NEBB Certified Report. Participation in the NEBB Quality Assurance Program requires the Certificant be affiliated with a NEBB Certified Firm

CP-23442

NEBB Certification Number

December 31, 2023

Expiration Date

NEBB President

NEBB President-Elect



7631 Northshore Place
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Instrument Calibration List

| | Function | Range | Accuracy | Make | Model # | Serial # | Calibration Date |
|-------------|--------------------------------|--------------------|--------------------------|-----------|----------|------------|------------------|
| AIR | Air Pressure Measurement | 0 to 10.00 in.w.g. | ± 2% of reading | Evergreen | S-PVF-1 | 2200600A | 12/14/2022 |
| | Air Velocity Measurement | 100 to 3500 fpm | ± 5% of reading | Evergreen | S-PVF-1 | 2200600A | 12/14/2022 |
| | Direct Reading Hood | 25 to 2000 cfm | ± 5% of reading, ± 7 cfm | Evergreen | S-PVF-1 | 2200600A | 12/14/2022 |
| TEMPERATURE | Air Meter with Probe | 0 to 200 °F | ± 0.5% of reading | Cooper | SRH77A-E | 10709022 | 10/26/2022 |
| | Immersion Meter with probe | 0 to 200 °F | ± 0.5% of reading | Cooper | SRH77A-E | 10709022 | 10/26/2022 |
| HUMIDITY | Humidity Measurement | 10 to 90% RH | ± 3% RH | Evergreen | S-H-3-5 | 2000197 | 12/21/2022 |
| ELECTRICAL | Volts AC | 0 to 600 VAC | ± 2% of reading | Fluke | 323 | 34730682WS | 10/27/2022 |
| | Amperes | 0.1 to 100 Amps | ± 2% of reading | Fluke | 323 | 34730682WS | 10/27/2022 |
| ROTATION | Rotation Measurement | 60 to 5000rpm | ± 2% of reading | Extech | 461995 | Q083294 | 10/26/2022 |
| HYDRONIC | Hydronic Pressure Measurement | 0.4 to 200 PSI | ± 2% of reading | Dwyer | 490W-6 | 01L6RK | 3/6/2023 |
| | Hydronic Differential Pressure | 0.4 to 75 PSI | ± 2% of reading | Dwyer | 490W-6 | 01L6RK | 3/6/2023 |

(N.E.B.B. # 2847)



ABBREVIATIONS

| <u>SYMBOL</u> | <u>DESCRIPTION</u> | <u>SYMBOL</u> | <u>DESCRIPTION</u> |
|---------------|--------------------------------|---------------|---------------------------|
| A | AMPS | HP | HEAT PUMP |
| AHU | AIR HANDLING UNIT | HW | HOT WATER |
| BCU | BLOWER COIL UNIT | KEF | KITCHEN EXHAUST FAN |
| BTU | BRITISH THERMAL UNIT | LAT | LEAVING AIR TEMPERATURE |
| CD | CEILING DIFFUSER | LWT | LEAVING WATER TEMPERATURE |
| CFM | CUBIC FEET PER MINUTE | M/N | MODEL NUMBER |
| CH | CHILLER | MAT | MIXED AIR TEMPERATURE |
| COMP | COMPRESSOR | MAU | MAKE UP AIR UNIT |
| COND | CONDENSER | NA | NOT APPLICABLE |
| CRAC | COMPUTER ROOM AIR CONDITIONING | NL | NOT LISTED |
| CW | CHILL WATER | NLA | NO LOAD AMPS |
| DALT | DUCT AIR LEAKAGE TEST | OAT | OUTSIDE AIR TEMPERATURE |
| DB | DRY BULB | OAU | OUTSIDE AIR UNIT |
| DP | DIFFERENTIAL PRESSURE | PH | PRE-HEAT |
| DP | DISCHARGE PRESSURE | RG | RETURN GRILLE |
| EAT | ENTERING AIR TEMPERATURE | RH | RE-HEAT |
| EF | EXHAUST FAN | RLA | RUN LOAD AMPS |
| EG | EXHAUST GRILLE | RTU | ROOF TOP UNIT |
| ERU | ENERGY RECOVERY UNIT | S/N | SERIAL NUMBER |
| ERV | ENERGY RECOVERY VENTILATOR | SF | SUPPLY FAN |
| ESP | EXTERNAL STATIC PRESSURE | SG | SIDEWALL GRILLE |
| EVAP | EVAPORATOR | SP | SUCTION PRESSURE |
| EWT | ENTERING WATER TEMPERATURE | TSP | TOTAL STATIC PRESSURE |
| FCU | FAN COIL UNIT | V | VOLTS |
| FP | FAN POWERED | VAV | VARIABLE AIR VOLUME |
| FPM | FEET PER MINUTE | VRF | VARIABLE REFRIGERANT |
| GPM | GALLONS PER MINUTE | WB | WET BULB |



REPORT SUMMARY