

Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc.
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Date: 11/9/2023

Return Request: 11/19/2023

Project: UCA Snow – Fine Arts Center

Supplier: Airetech

Manufacturer:

Submittal: Testing, Adjusting, & Balancing

Submittal Number: 23 05 93-01

Drawing # and Installation: Mechanical Drawings

ARCHITECT

H+N Architects
1009 Main Street
Conway, AR 72032
501-327-7525

ENGINEER

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

GENERAL CONTRACTOR

Wagner General Contractors
600 W. Race Ave.
Searcy, AR 72143
501-203-0704

MECHANICAL SUBCONTRACTOR

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

Notes:

CSUSA PROJECT NO.

23-2020

chowell@comfortar.com



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



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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