

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: Greenheck

Submittal: Reheat Coils

Submittal Number: 23 00 00-01

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



SUBMITTAL DATA

EQUIPMENT: Greenheck Reheat coil

TAGS: RHC-1

PROJECT: UCA Snow Fine Arts

LOCATION: Conway, AR

ENGINEER:



CONTRACTOR:



DATE: 10/31/2023

SUBMITTED BY: Forrest Moseley
forrest@airetechcorp.com
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SUBMITTAL DATA

**UCA Snow Fine Arts
Greenheck Coil C-1**

888-921-COIL (2645)
200 Morgan Street
Brownsville, TN 38012

Hot Water Coil

| Tag | Qty | Model | Footnotes | Comment |
|-------|-----|---------------------|-----------|---------|
| RHC-1 | 1 | HW58S02S08-27x24-RH | a,b | |

Construction and Performance Details

| Tag | C-1 |
|--|---------|
| Air flow (SCFM) | 2300 |
| Altitude (ft) | 0 |
| Total capacity (MBH) | 89.4 |
| Entering dry bulb (°F) | 60.0 |
| Leaving dry bulb (°F) | 95.9 |
| Face velocity (ft/min) | 511 |
| Air pressure drop (in of water) | 0.18 |
| Air fouling factor (h-ft ² ·°F/Btu) | 0.00000 |
| Fluid | W |
| Entering fluid temp. (°F) | 160.0 |
| Leaving fluid temp. (°F) | 130.0 |
| Fluid flow rate (GPM) | 6.1 |
| Fluid velocity (ft/s) | 2.20 |
| Fluid pressure drop (ft of water) | 2.9 |
| Fluid fouling factor (h-ft ² ·°F/Btu) | 0.00000 |
| Fluid freezing temp. (°F) | 32.0 |
| Min. tube wall temp. (°F) | 120.7 |
| Coils per bank | 1 |
| Coil type | 5/8 |
| Fin height (in) | 27.0 |
| Fin length (in) | 24.0 |
| Face area (ft ²) | 4.50 |
| Rows | 2 |
| Fin spacing (fins/in) | 8 |
| Fin material | Al |
| Fin type | Sine |
| Fin thickness (in) | 0.006 |
| Tube wall thickness (in) | 0.020 |
| Turbulators | No |
| Number of feeds | 3 |
| Supply conn. size (in) | 0.750 |
| Return conn. size (in) | 0.750 |
| Weight (lb) | 44 |
| Est. operating wt. (lb) | 54 |
| Est. internal volume (ft ³) | 0.18 |

Footnotes

(a) Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard-410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.com.



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200 Morgan Street
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SUBMITTAL DATA

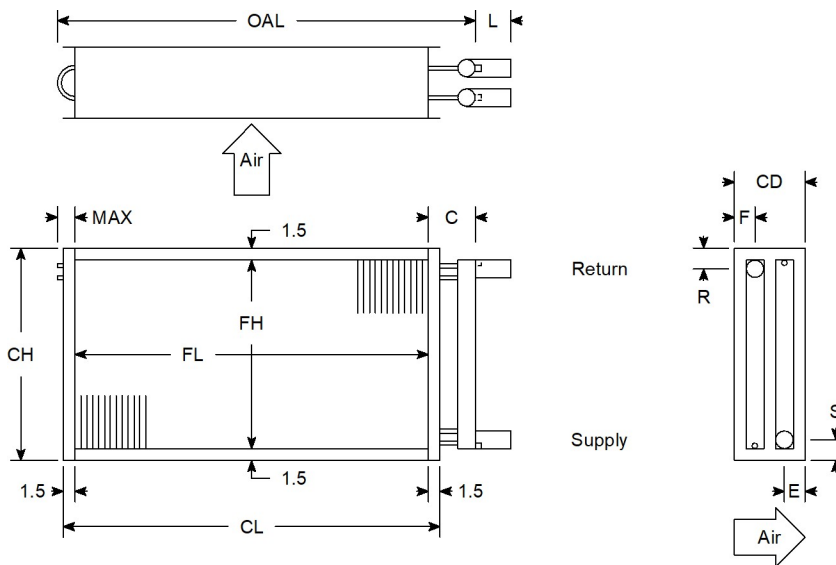
UCA Snow Fine Arts
Greenheck Coil C-1

Footnotes(cont.)

(b) Tube OD 0.625, Tube spacing 1.500 x 1.299

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Brownsville, TN 38012

Drawings†



† Vent/drain diameter: 1/2", type: FPT, location: Face.

Dimensions*

| Tag | C-1 |
|----------------------------|-------------------------------------|
| Model | HW58S02S08-27x24-RH |
| Weight | 44 |
| Fin material & type | 0.006 Aluminum Sine-wave |
| Tube wall | 0.02 / Smooth |
| Casing material / flange | 16 ga. galv. steel (std) / Stacking |
| Coating | None |
| Turbulators | No |
| Header diameter | 0.875 |
| Supply / return conn. size | 0.75 / 0.75 |
| Connection type | MPT Copper |
| Number of feeds | 3 |
| FH / FL | 27 / 24 |
| CH / CL | 30 / 27 |
| OAL / CD | 30.25 / 6.5 |
| C | 4 |
| S / R | 1.875 / 1.875 |
| E / F | 2.6 / 2.6 |
| L / MAX | 2 / 2.25 |

* All distances are measured as inches.