SHOP DRAWING REVIEW

- [X] NOT REVIEWED
- [ ] REVIEWED
- [ ] REVIEWED AS NOTED
- [ ] REVISE AND RESUBMIT

This review by Hilditch Architect Inc. is for the sole purpose of ascertaining conformance with the general design concept features only, and does not in any way constitute review of the design of engineering elements which form part of the Contract Documents prepared by others. This review shall not mean that Hilditch Architect Inc. approves the design detail inherent in the shop drawings, responsibility for which shall remain with the Contractor submitting same, and such review shall not relieve the Contractor of his responsibility for errors or omissions in the shop drawings or of his responsibility for meeting all requirements of the Contract Documents. The Contractor is responsible for dimensions to be confirmed and correlated at the job site, for information that pertains solely to fabrication processes or to techniques of construction and installation and for co-ordination of the work of all trades.

***Hilditch** Architect Inc.*

By: Sasha Stairs

Project No: 1809

Date Rec'd:

Date Rev'd: 2024.12.21

GC/CM: 2024.12.11

Consultant: 2024.12.20

Submittal No. 31

Hydronic Heating Coils - Shop

Drawing

Project Name:
Neshama Hospice

Owner:
Neshama

Prime Consultant:
Hilditch Architect Inc

General Contractor: Renokrew

SHOP DRAWING SUBMITTAL REVIEW	JOB NAME: Neshama Hospice JOB #: 24-130 DATE: Dec 11, 2024
REVIEWED REJECTED REVIEW & RESUBMIT REVIEW AS NOTED	This review is for general conformance of plans and specifications only. Approvals are subject to subcontractors performance within the confines of the contract documents. Review of dimensions will not serve to relieve the subcontractor of contractual responsibility for any deviation from the contract requirements. SPECIFICATION: 23 08 10 ✓SHOP DRAWING PRODUCT DATA DOCUMENTATION LETTER RENOKREW TORONTO | OTTAWA CHECKED BY: REVIEWED BY: TOTAL PAGES: 12

RENOKREW
TORONTO | OTTAWA

54 Audia Court, Unit 2
Concord, ON L4K 3N5
(905)-738-1400

Submittal 24-256-017

PROJECT NAME	PROJECT ADDRESS	DATE SUBMITTED
NESHAMA HOSPICE 24-256	3 Cadillac Avenue North York, ON M3H 1R9	Dec 11, 2024

TO	FROM
Taranjeet Singh	PAUL LEDDY
COMPANY	COMPANY
1568796 ONTARIO INC. C/A RENOKREW	Consult Mechanical Inc.
EMAIL	EMAIL
taranjeet@renokrew.com	paul.l@consultmechanical.com
ADDRESS	ADDRESS
43 LEPAGE COURT TORONTO, ON M3J 1Z9	54 Audia Court, Unit 2 Concord, ON L4K 3N5

Title

JCI Coils

Description

Loose Coil Package by Johnson Controls

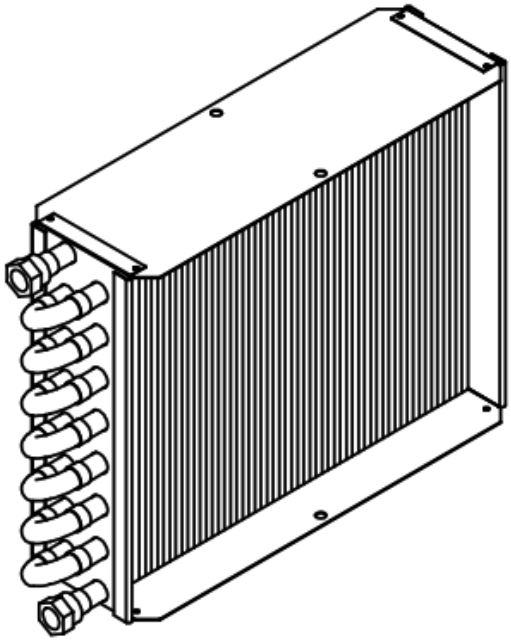
Package Items

SPEC	SUBSECTION	ITEM	TYPE
M15 Schedule of Equipment	M15	Schedule of Equipment	Shop Drawings

EQUIPMENT SUBMITTAL FOR APPROVAL

PROJECT: **Neshama Hospice**

LOCATION: 65 Dundas St. E



EQUIPMENT	Loose Coils
UNIT TAGS	HC-1 , HC-2
QUANTITY	2

SOLD TO:

Consult Mechanical Inc.

CONSULTING ENGINEER:

PREPARED BY:

Johnson Controls, Inc.
Bintao Li
Mobile: 416-797-8649
Email : bintao.li@jci.com

DATE:

Dec. 9th, 2024

REVISION:

0

EQUIPMENT DESCRIPTIONS

I LOOSE COILS

Items Included

Propylene Glycol Booster Coil
Coil Dry Weight: 7.5 lb. (HC-1)
Coil Dry Weight: 8.4 lb. (HC-2)
Fin Height: 9.0 in. (HC-1)
Fin Height: 12.0 in. (HC-2)
Fin Length: 12.0 in. (HC-1)
Fin Length: 9.0 in. (HC-2)
Fin Material: Aluminum, Fin Thickness: 0.006 in. (HC-1)
Fin Material: Aluminum, Fin Thickness: 0.010 in. (HC-2)
Tube Diameter: 5/8 in., Tube Wall Thickness: 0.020 in.
Casing Material: Galvanized Steel
Connection Type: FPT
Connection Material: Copper
Supply Connection Size: 1/2 in.
Return Connection Size: 1/2 in.

Items NOT Included:

Controls and control valves
Valves for drains and vents
Installation or Warranty Labor

SustainGlobe Ltd.

THIS DRAWING REVIEWED SOLELY FOR GENERAL CONFORMITY WITH DESIGN CONCEPTS. QUANTITIES, DETAILS, DIMENSIONS AND DESIGNS INHERENT IN THE SHOP DRAWINGS ARE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DATA WITH FIELD DIMENSIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGN OF MANUFACTURED ITEMS, FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION AND INSTALLATION OF EQUIPMENT.

DATE RECEIVED: December 11, 2024	✓ MECHANICAL ☐ ELECTRICAL ☐ OTHERS
THIS DRAWING IS: ✓ REVIEWED ☐ REVIEWED AS NOTED ☐ REVIEWED AND TO BE RESUBMIT	BY: TL DATE: December 12, 2024 PROJ. NO.: 18031

LOOSE COIL PERFORMANCE SPECIFICATION

Unit Tag	Quantity	Coil Type	Air Flow (scfm)	Function
HC-1	**1**	**Booster (Glycol)**	**350**	**Select**

Input Data

General		Air Side		Fluid Side	
Application:	BOOSTER	Altitude (ft.):	0	EWT (°F):	170.0
Tube Diameter:	5/8”	Air Flow (scfm):	350	LWT (°F):	150.0
Tube Wall Thickness:	0.020”	Face Velocity (ft/min):	467	Flow Rate (gpm):	n/a
Fouling Factor (hft²°F/btu):	0.00000	EAT-DB (°F):	0.0	Max. WPD (ft.):	20.0
Casing Material:	Galvanized Steel	EAT-WB (°F):	n/a	TPC:	n/a
Fin Type:	Sine	Max. APD (in. w.g):	3.00	Fluid:	Propylene Glycol - 40.0 %
Fin Material:	Aluminum	Req. LAT-WB (°F):	70.0	Fluid Volume (ft³):	0.0
Fin Thickness:	0.006”	Req. TMBH:	n/a	Fluid Weight (lbs):	2.0
Fin Height:	9.00”	Air Flow Direction:	Horizontal		
Fin Length:	12”				
Connection Material:	Copper				
Connection Type:	FPT				
Dry Weight (lbs.):	7.5				

Note: Coil is not coated.

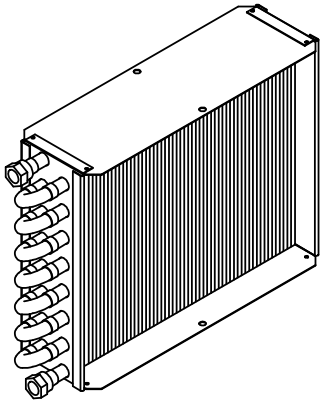
Output Data

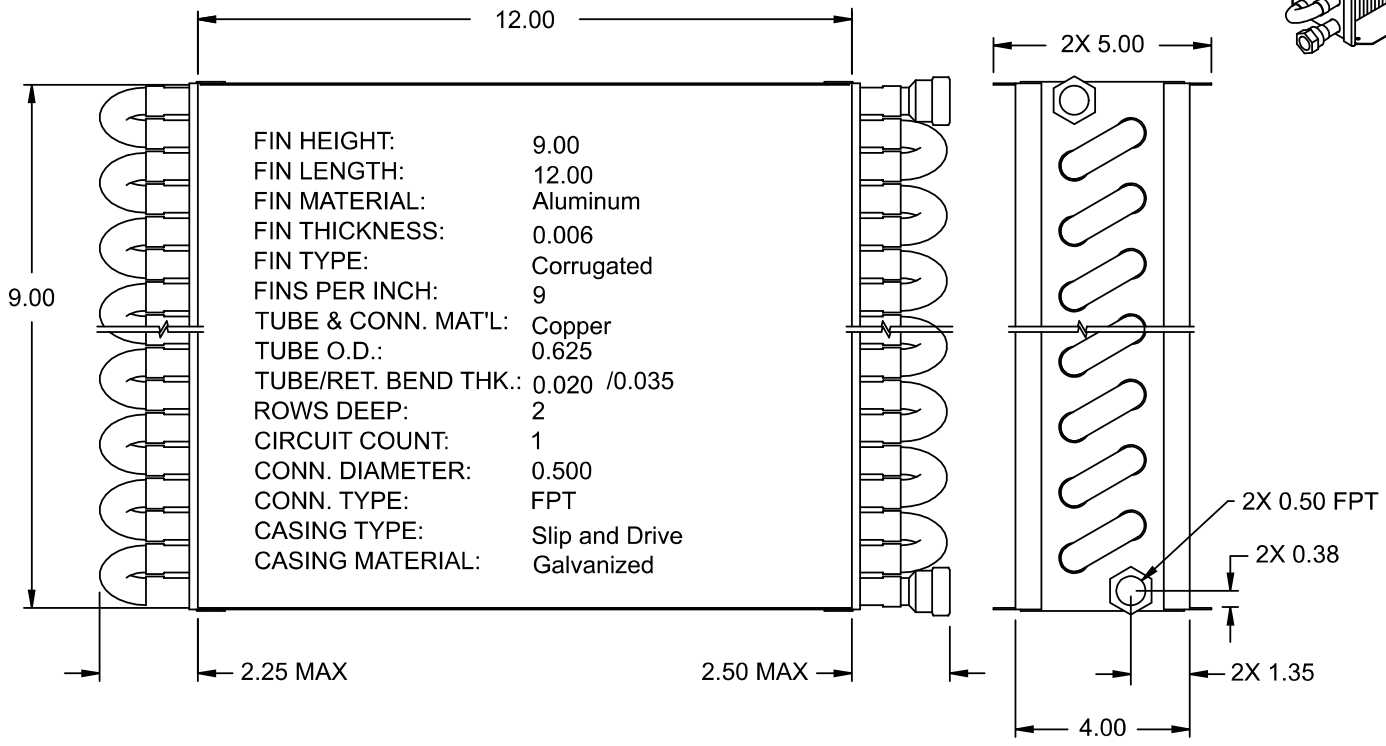
General		Air Side Performance		Fluid Side Performance	
Rows:	2	LAT-DB (°F):	70.60	LWT (°F):	149.95
FPI:	9	LAT-WB (°F):	0.00	Fluid Vel. (fps)	3.2
TPC:	12	TMBH:	26.7	WPD (ft.):	2.6
Connection Size:	1/2”	SMBH:	0.0	Flow Rate (gpm):	2.9
No. Connections:	1	APD (in. w.g):	0.15		
Coil Dll Version:	7.7M				

Note(s): Ratings are for coils manufactured by: Johnson Controls, Inc., 507 E. Michigan St., Milwaukee WI 53202

This coil is not certified by AHRI 410. This coil is rated in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification program which is based on AHRI Standard 410. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

21FS





MODEL: MA0060909.0012G02C02003501F500SS
NOTES: DIMENSIONS ARE INCHES +/- 0.25 IN. UNLESS OTHERWISE SPECIFIED
WRENCH FLATS ON CONNECTIONS MAY VARY ± 30°
FOR INSTALLATION PROCEDURE SEE YORK FORM 105.17-EG1.

PRODUCT DRAWING BOOSTER COIL DRAWINGS MODEL: **NOT FOR CONSTRUCTION**	Project Name: Neshama Hospice 3 cadillac Location: Engineer: Contractor: For:	Sold To: Cust Purch Order#: Contract#: UNIT TAG: HC-1 - Sheet 1	Date: April 25, 2024 Rev. Date: November 12, 2024 Form No.: Dwg. Lev.: Dwg. Scale: NTS

Johnson Controls

LOOSE COIL PERFORMANCE SPECIFICATION

Unit Tag	Quantity	Coil Type	Air Flow (scfm)	Function
HC-2	**1**	**Booster (Glycol)**	**300**	**Select**

Input Data

General		Air Side		Fluid Side	
Application:	BOOSTER	Altitude (ft.):	0	EWT (°F):	170.0
Tube Diameter:	5/8”	Air Flow (scfm):	300	LWT (°F):	150.0
Tube Wall Thickness:	0.020”	Face Velocity (ft/min):	400	Flow Rate (gpm):	n/a
Fouling Factor (hft²°F/btu):	0.00000	EAT-DB (°F):	0.0	Max. WPD (ft.):	20.0
Casing Material:	Galvanized Steel	EAT-WB (°F):	n/a	TPC:	n/a
Fin Type:	Sine	Max. APD (in. w.g):	3.00	Fluid:	Propylene Glycol - 40.0 %
Fin Material:	Aluminum	Req. LAT-WB (°F):	70.0	Fluid Volume (ft³):	0.0
Fin Thickness:	0.010”	Req. TMBH:	n/a	Fluid Weight (lbs):	2.2
Fin Height:	12.00”	Air Flow Direction:	Horizontal		
Fin Length:	9”				
Connection Material:	Copper				
Connection Type:	FPT				
Dry Weight (lbs.):	8.4				

Note: Coil is not coated.

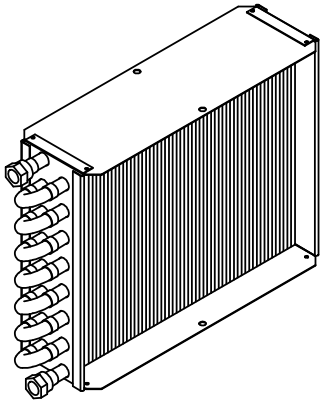
Output Data

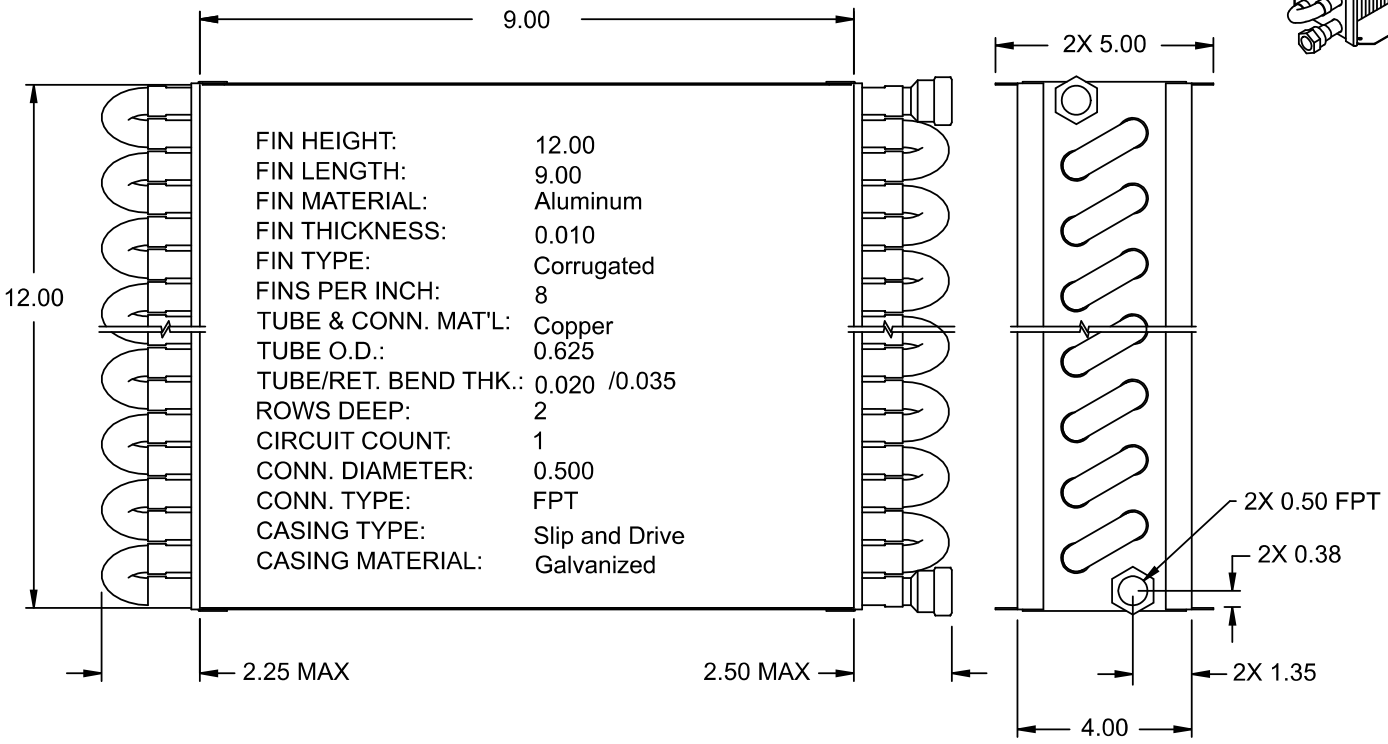
General		Air Side Performance		Fluid Side Performance	
Rows:	2	LAT-DB (°F):	76.48	LWT (°F):	150.02
FPI:	8	LAT-WB (°F):	0.00	Fluid Vel. (fps)	3.0
TPC:	16	TMBH:	24.8	WPD (ft.):	2.6
Connection Size:	1/2”	SMBH:	0.0	Flow Rate (gpm):	2.7
No. Connections:	1	APD (in. w.g):	0.11		
Coil Dll Version:	7.7M				

Note(s): Ratings are for coils manufactured by: Johnson Controls, Inc., 507 E. Michigan St., Milwaukee WI 53202

This coil is not certified by AHRI 410. This coil is rated in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification program which is based on AHRI Standard 410. Certified units may be found in the AHRI Directory at www.ahridirectory.org.

21FS





MODEL: MA0100812.0009G02C02003501F500SS
NOTES: DIMENSIONS ARE INCHES +/- 0.25 IN. UNLESS OTHERWISE SPECIFIED
WRENCH FLATS ON CONNECTIONS MAY VARY ± 30°
FOR INSTALLATION PROCEDURE SEE YORK FORM 105.17-EG1.

PRODUCT DRAWING BOOSTER COIL DRAWINGS MODEL: **NOT FOR CONSTRUCTION**	Project Name: Neshama Hospice 3 cadillac Location: Engineer: Contractor: For:	Sold To: Cust Purch Order#: Contract#: UNIT TAG: HC-2 - Sheet 1	Date: February 28, 2024 Rev. Date: November 12, 2024 Form No.: Dwg. Lev.: Dwg. Scale: NTS

Johnson Controls

Equipment Release Approval Form

SUBMITTAL NOTES

Product Type: Loose Coils
Unit Tags: HC-1 to 2

The following table must be completed prior to releasing the equipment for fabrication. Please initial the column indicating the information contained in this submittal has been verified, or indicate to refer to a marked-up page.

SUBMITTAL VERIFICATION	
	Purchaser Initials
Electrical voltage and electrical connections are compatible with jobsite requirements.	
Piping / Ductwork connections shown in this submittal are correct .	
Unit tag designations are correct.	
Equipment dimensions (length, width, and height) and weights have been verified to comply with jobsite conditions and rigging requirements. Please indicate approval by your initials on all included drawings.	
Verify "Unit Hand" of any Air Handling Equipment per the definition provided on the **"Equipment Release** / **Configuration Process"** form.	

SUBMITTAL VERIFICATION	
	Purchaser Initials
Indicate equipment configuration choices on the **Equipment Release /Configuration Process** form (if included on this Submittal package), and sign the form.	

Important Notes:

1) Actual fabrication release cannot commence until this form is signed by the customer and returned to JCI along with a release notification want date and ship to address.

2) Equipment "lead-time" does not start until confirmed release documentation is received, and the order is actually released to the factory.

3) Modifications to equipment configurations after fabrication release may impact cost and lead-time

4) Attached configurations are as shown in the approved equipment submittals or as defined in superseding customer correspondence.

5) AHU "Side" / "Hand" orientation is relative to a person standing inside an AHU with air hitting the back of the head.

6) Note that once this document is confirmed, the equipment configurations defined by this document take precedence over all other documents.

7) "Want date" and/or "ship to address" changes made after this document is confirmed may impact cost and lead-time.

8) Air handler drawings also include shipping split explosions with corresponding weights and dimensions. If additional splits are required, there will be additional costs and the unit length will increase.

Please fill out the following table and refer to the receiving/rigging instructions in this submittal to help ensure a smooth delivery and installation of the equipment.

DELIVERY INFORMATION	
	Please fill out information below
Contact name for coordinating delivery of equipment with transportation company	
Contact phone number	
Advance notice required from transportation company prior to delivering equipment (typically 48 hours)	
Ship to address:	
Other special shipping instructions or requirements	

CUSTOMER APPROVAL:

Customer Name: _____

Signature (*) _____

Date: _____