



Submittal Transmittal

Project: DCH - Ambulatory Renewal

Date: 11/4/2006

Transmitted To:	Transmitted By:
Derek Shaw Heapy 1400 W Dorothy Lane Dayton, Ohio 45409 dashaw@heapy.com	Greg Myak Danis Building Construction Company One Children's Plaza Dayton, Ohio 45404 Phone: 937-271-7086 greg.myak@danis.com

Submittal No.	Submitted By:	Contact:
695-233616-001	Cinfab	Jacob Degen

Specification Section	Description	Status
233616	4/5/6 VAVs	OPEN

Submitted For	Copies
Approval	1

Please review & return 1 electronic copy of submittals in accordance with the contract specifications.

Danis Stamp:

A/E Stamps:

REVIEWED by DANIS

Review does not relieve subcontractor or supplier from its obligation to perform its work complete, in strict accordance with the plans, specifications, subcontract, purchase order, or other provisions of the contract documents. Review also does not relieve subcontractor or supplier from its responsibility for checking dimensions on the drawings and on the job or the proper matching and fitting of its work with contiguous work and the coordination of its work with other work on the construction site.

Date: 11/04/2021 By: Greg Myak

Submittal No. _____

Comments:

Comments:



SUBMITTAL DATA

Project: Dayton Children's Hospital Ambulatory
Project No.: 21113841
Construction Manager: Danis Construction
Architect/Engineer: Champlin/Heapy
Submittal For: VAVs
Specification #: 23 36 16
Supplier: Pro Fit HVAC
Contact Name & Phone #: Todd Klosterman (419) 305-7629

The attached submittal data has been reviewed by CINFAB for compliance with the Architect/Engineer's specifications and plan schedule for this project.

In order to maintain the project schedule, we request that this submittal be returned to CINFAB **within 10 days.**

NOTE: Material cannot be released without Architect/Engineer's approval of submittal.

Reviewed By: Jake Degen

Date: November 2, 2021

(Please place stamp of approval here)

REVIEWED BY  HEAPY

FOR GENERAL CONFORMANCE WITH
INFORMATION PRESENTED IN THE
CONTRACT DOCUMENTS ONLY.

APPROVED AS NOTED

BY: Victoria Francis DATE: 11/9/2021

-PROVIDE 1 YEAR ALL INCLUSIVE PARTS AND LABOR WARRANTY
-CONFIRM THAT VAV BOX'S WITH A SCHEDULED UNOCCUPIED DEADBAND OF 0 CFM, IS CAPABLE OF FULL CLOSE OFF. BOXS WITH SCHEDULED UNOCCUPIED MIN DEADBAND LESS THAN THE MINIMUM FLOW OF THE VAV BOX, UNOCCUPIED MIN DEADBAND SET POINT SHALL BE EQUAL TO MIN BOX FLOW.
-PRIOR TO ORDERING H.C TO COORDINATE:
-BOX CONTROLS CONFIGURATION TO MAINTAIN REQUIRED ACCESS CLEARANCE.



Pro Fit HVAC, LLC

P.O. Box 443
15713 St. Rt. 116
St. Marys, OH 45885

Todd Klosterman
Cell: 419-305-7629
todd@proairsales.com

Emily Klosterman
Cell: 419-733-4733
emily@proairsales.com

SUBMITTAL TRANSMITTAL

Project No.: 2018-05111

NOTE:

Fourth Floor

Project Description: *(Project Title, Facility Name and Address)*

Dayton Children's
Ambulatory Renewal Project

Date: 11/2/21

TO:

Cinfab LLC
5240 Lester Road
Cincinnati, OH 45213

FROM:

PRO FIT HVAC, LLC
PO BOX 443
ST. MARYS, OH 45885

SUBMITTAL TYPE:

- | | | |
|--------------------------------------------------|----------------------------------------|----------------------------------------------------|
| <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> Re-Submittal | <input type="checkbox"/> Information |
| <input type="checkbox"/> Product Data | <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Quality Control/Assurance |
| <input type="checkbox"/> Test Reports | <input type="checkbox"/> Certificate | <input type="checkbox"/> Contract Closeout |
| <input type="checkbox"/> Design Data | <input type="checkbox"/> Samples | <input type="checkbox"/> Other |

Specification Number and Title: _____

Part	Type	Description
23 36 16	Air Terminal Units	Nailor Industries

Contractor's Certification:

We have verified that all material or equipment contained in this submittal meets all the requirements specified or shown **(no exceptions)**.

Contractor/Contractor's Representative (Print Name)

Signature

Project Name: Dayton Children's Ambulatory Renewal 4th Floor VAV

Project Location:
Engineer:

Contractor:

Contact:

Date: November 2, 2021

Submitted By: PRO FIT HVAC, LLCST. MARY'S, OH
UNITED STATES, 45885

Telephone: (419) 733 - 4733

Fax: (866) 566 - 3655

Contact: Emily Klosterman

Nailor Single Duct VAV Units															<i>Weight values are typical unit dry weights, and may not be specific for that product.</i>																							
Pro Dayton Children's Ambulatory Ren										Date Created: 11/2/2021					<i>Corner weights must be measured in the field with all components attached.</i>																							
Cus Cinfab										Date Due: 11/2/2021					<i>For blank weight values, please contact factory.</i>																							
Engineer:																																						
Item ID	Tag1	Model	ControlType	Heater Type	Quantity	Unit Size	Inlet Size	Outlet Size	Primary Max AF (cfm)	Primary Min AF (cfm)	Inlet SP (in wg)	Outlet SP (in wg)	Min Inlet SP (in wg)	MOP	MCA	Liner	Integral Attenuator	Rad NC	Dis NC	Rad NC OB	Dis NC OB	Rad Deducts	Dis Deducts	Rad SWLs	Dis SWLs	Rad SWLs Min	Dis SWLs Min	Ceiling Type	Calc Method	Hg AF (cfm)	KW	MBH (mbh)	Volt	Phase	Stages	Htr Amps	EAT (°F)	LAT (°F)
1	64-4-01	D3ORE	D	E	1	6	06	10 X 10	340	200	3	0.25	0.01	15	3.8	FG1 - 1" (25) Steri-line	No	25	29	4	3	18,19,20,26,31,36	27,29,40,51,53,39	61,54,51,43,40,39	73,69,66,64,57,55	54,48,46,41,36,36	67,62,61,64,55,51	Mineral Fiber	KW	200	2.5	8.5	480	3	1	3.01	55	94.3
2	64-4-02	D3ORE	D	E	1	7	07	12 X 12 1/2	440	190	3	0.25	0.01	15	3.8	FG1 - 1" (25) Steri-line	No	28	30	4	3	18,19,20,26,31,36	27,29,40,51,53,39	61,56,53,47,39,38	74,70,68,66,60,57			Mineral Fiber	KW	220	2.5	8.5	480	3	1	3.01	55	90.7
3	64-4-03	D3ORE	D	E	1	6	06	10 X 10	200	150	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	20	24	4	2	18,19,20,26,31,36	24,28,39,53,59,40	54,48,46,41,36,36	67,62,61,64,55,51	50,44,43,43,39,36	62,57,58,63,56,52	Mineral Fiber	KW	150	1.5	5.1	277	1	1	5.42	55	86.4
4	64-4-04	D3ORE	D	E	1	6	06	10 X 10	220	75	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	20	25	4	2	18,19,20,26,31,36	24,28,39,53,59,40	55,49,46,42,36,36	68,63,62,64,55,52			Mineral Fiber	KW	110	1.5	5.1	277	1	1	5.42	55	97.9
5	64-4-05	D3ORE	D	E	1	7	07	12 X 12 1/2	405	95	3	0.25	0.01	15	9	FG1 - 1" (25) Steri-line	No	26	29	4	3	18,19,20,26,31,36	27,29,40,51,53,39	60,55,52,47,39,37	73,69,67,66,59,56			Mineral Fiber	KW	205	2	6.8	277	1	1	7.22	55	85.7
6	64-4-06	D3ORE	D	E	1	6	06	10 X 10	350	80	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	25	29	4	3	18,19,20,26,31,36	27,29,40,51,53,39	61,55,51,44,40,39	73,69,67,64,57,55			Mineral Fiber	KW	175	1.5	5.1	277	1	1	5.42	55	82
7	64-4-07	D3ORE	D	E	1	9	09	14 X 12 1/2	765	165	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	28	33	3, 4	3	18,19,20,26,31,36	29,30,41,51,52,39	62,58,53,47,41,39	77,73,70,67,62,60			Mineral Fiber	KW	385	4.5	15.4	480	3	1	5.41	55	91.8
8	64-4-08	D3ORE	D	E	1	6	06	10 X 10	345	75	3	0.25	0.01	15	9	FG1 - 1" (25) Steri-line	No	25	29	4	3	18,19,20,26,31,36	27,29,40,51,53,39	61,55,51,43,40,39	73,69,66,64,57,55			Mineral Fiber	KW	175	2	6.8	277	1	1	7.22	55	90.9
9	64-4-09	D3ORE	D	E	1	9	09	14 X 12 1/2	710	165	3	0.25	0.01	15	6	FG1 - 1" (25) Steri-line	No	26	31	3, 4	3	18,19,20,26,31,36	29,30,41,51,52,39	61,57,52,47,41,39	76,72,70,67,62,59			Mineral Fiber	KW	355	4	13.6	480	3	1	4.81	55	90.4
10	64-4-10	D3ORE	D	E	1	12	12	18 X 12 1/2	945	345	3	0.25	0.01	15	8.3	FG1 - 1" (25) Steri-line	No	26	26	3	3	18,19,20,26,31,36	29,30,41,51,52,39	57,57,51,48,42,41	72,68,68,65,62,60			Mineral Fiber	KW	475	5.5	18.8	480	3	1	6.62	55	91.4
11	64-4-11	D3ORE	D	E	1	9	09	14 X 12 1/2	760	260	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	28	33	3, 4	3	18,19,20,26,31,36	29,30,41,51,52,39	61,58,53,47,41,39	77,73,70,67,62,59			Mineral Fiber	KW	380	4.5	15.4	480	3	1	5.41	55	92.2
12	64-4-12	D3ORE	D	E	1	6	06	10 X 10	215	215	3	0.25	0.01	15	9	FG1 - 1" (25) Steri-line	No	20	25	4	2	18,19,20,26,31,36	24,28,39,53,59,40	55,49,46,41,36,36	68,63,62,64,55,51	55,49,46,41,36,36	68,63,62,64,55,51	Mineral Fiber	KW	215	2	6.8	277	1	1	7.22	55	84.3
13	64-4-13	D3ORE	D	E	1	6	06	10 X 10	275	275	3	0.25	0.01	15	3.8	FG1 - 1" (25) Steri-line	No	22	28	4	2	18,19,20,26,31,36	24,28,39,53,59,40	58,52,48,42,38,37	70,66,64,64,56,53	58,52,48,42,38,37	70,66,64,64,56,53	Mineral Fiber	KW	275	2.5	8.5	480	3	1	3.01	55	83.6
14	64-4-14	D3ORE	D	E	1	6	06	10 X 10	300	300	3	0.25	0.01	15	3.8	FG1 - 1" (25) Steri-line	No	23	26	4	3	18,19,20,26,31,36	27,29,40,51,53,39	59,53,49,43,38,38	71,67,65,64,56,54	59,53,49,43,38,38	71,67,65,64,56,54	Mineral Fiber	KW	300	2.5	8.5	480	3	1	3.01	55	81.2
15	64-4-15	D3ORE	D	E	1	6	06	10 X 10	210	65	3	0.25	0.01	15	4.5	FG1 - 1" (25) Steri-line	No	20	24	4	2	18,19,20,26,31,36	24,28,39,53,59,40	55,49,46,41,36,36	67,62,61,64,55,51			Mineral Fiber	KW	100	1	3.4	277	1	1	3.61	55	85
16	64-4-16	D3ORE	D	E	1	6	06	10 X 10	175	65	3	0.25	0.01	15	4.5	FG1 - 1" (25) Steri-line	No	18	20	2	2	18,19,20,26,31,36	24,28,39,53,59,40	52,46,44,42,37,36	64,59,60,63,55,52			Mineral Fiber	KW	90	1	3.4	277	1	1	3.61	55	89.9
17	64-4-17	D3ORE	D	E	1	12	12	18 X 12 1/2	1200	1200	3	0.25	0.01	20	15	FG1 - 1" (25) Steri-line	No	30	31	3	3	18,19,20,26,31,36	29,30,41,51,52,39	59,55,51,47,39,37	76,72,70,68,64,62	61,60,54,51,44,43	76,72,70,68,64,62	Mineral Fiber	KW	1200	10	34.1	480	3	1	12.03	55	81.2
18	64-4-18	D3ORE	D	E	1	7	07	12 X 12 1/2	400	300	3	0.25	0.01	15	3.8	FG1 - 1" (25) Steri-line	No	25	28	4	2, 3	18,19,20,26,31,36	27,29,40,51,53,39	61,55,51,44,40,39	73,68,67,66,59,56	55,51,48,44,37,36	69,64,64,64,58,55	Mineral Fiber	KW	300	2.5	8.5	480	3	1	3.01	55	81.2
19	64-4-19	D3ORE	D	E	1	6	06	10 X 10	175	165	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	18	20	2	2	18,19,20,26,31,36	24,28,39,53,59,40	52,46,44,42,37,36	64,59,60,63,55,52	52,45,44,43,38,36	63,58,59,63,55,52	Mineral Fiber	KW	165	1.5	5.1	277	1	1	5.42	55	83.6
20	64-4-20	D3ORE	D	E	1	7	07	12 X 12 1/2	400	300	3	0.25	0.01	15	3.8	FG1 - 1" (25) Steri-line	No	25	28	4	2, 3	18,19,20,26,31,36	27,29,40,51,53,39	61,55,51,47,39,37	73,68,67,66,59,56	55,51,48,44,37,36	69,64,64,64,58,55	Mineral Fiber	KW	300	2.5	8.5	480	3	1	3.01	55	81.2
21	64-4-21	D3ORE	D	E	1	6	06	10 X 10	175	165	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	18	20	2	2	18,19,20,26,31,36	24,28,39,53,59,40	52,46,44,42,37,36	64,59,60,63,55,52	52,45,44,43,38,36	63,58,59,63,55,52	Mineral Fiber	KW	165	1.5	5.1	277	1	1	5.42	55	83.6
22	64-4-22	D3ORE	D	E	1	6	06	10 X 10	305	65	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	23	26	4	3	18,19,20,26,31,36	27,29,40,51,53,39	59,53,49,43,39,38	71,67,65,64,56,54			Mineral Fiber	KW	155	1.5	5.1	277	1	1	5.42	55	85.4
23	64-4-23	D3ORE	D	E	1	6	06	10 X 10	215	165	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	20	25	4	2	18,19,20,26,31,36	24,28,39,53,59,40	55,49,46,41,36,36	68,63,62,64,55,51	52,45,44,43,38,36	63,58,59,63,55,52	Mineral Fiber	KW	165	1.5	5.1	277	1	1	5.42	55	83.6
24	64-4-24	D3ORE	D	E	1	9	09	14 X 12 1/2	715	485	3	0.25	0.01	15	7.5	FG1 - 1" (25) Steri-line	No	26	31	3, 4	3	18,19,20,26,31,36	29,30,41,51,52,39	61,57,52,47,41,39	76,72,70,67,62,59	56,52,48,44,38,37	71,67,67,63,59,56	Mineral Fiber	KW	485	5	17.1	480	3	1	6.01	55	87.4
25	64-4-25	D3ORE	D	E	1	6	06	10 X 10	200	200	3	0.25	0.01	15	9	FG1 - 1" (25) Steri-line	No	20	24	4	2	18,19,20,26,31,36	24,28,39,53,59,40	54,48,46,41,36,36	67,62,61,64,55,51	54,48,46,41,36,36	67,62,61,64,55,51	Mineral Fiber	KW	200	2	6.8	277	1	1	7.22	55	86.4
26	64-4-26	D3ORE	D	E	1	16	16	28 X 12 1/2	2000	430	3	0.25	0.02	15	14.3	FG1 - 1" (25) Steri-line	No	35	29	3	3	18,19,20,26,31,36	29,30,41,51,52,39	63,64,57,51,46,42	73,70,69,67,64,63			Mineral Fiber	KW	1000	9.5	32.4	480	3	1	11.43	55	84.9
27	64-4-27	D3ORE	D	E	1	12	12	18 X 12 1/2	1035	1010	3	0.25	0.01	15	12.8	FG1 - 1" (25) Steri-line	No	28	28	3	3	18,19,20,26,31,36	29,30,41,51,52,39	59,58,52,49,43,42	73,69,68,66,62,60	58,58,52,49,42,42	73,69,68,66,62,60	Mineral Fiber	KW	1010	8.5	29	480	3	1	10.22	55	81.5
28	64-4-28	D3ORE	D	E	1	6	06	10 X 10	200	200	3	0.25	0.01	15	9	FG1 - 1" (25) Steri-line	No	20	24	4	2	18,19,20,26,31,36	24,28,39,53,59,40	54,48,46,41,36,36	67,62,61,64,55,51	54,48,46,41,36,36	67,62,61,64,55,51	Mineral Fiber	KW	200	2	6.8	277	1	1	7.22	55	86.4
29	64-4-29	D3ORE	D	E	1	7	07	12 X 12 1/2	535	535	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	30	33	3, 4	2, 3	18,19,20,26,31,36	24,28,39,53,59,40	54,48,46,41,36,36	77,72,70,67,61,58	64,60,55,49,41,39	77,72,70,67,61,58	Mineral Fiber	KW	535	4.5	15.4	480	3	1	5.41	55	81.5
30	64-4-30	D3ORE	D	E	1	6	06	10 X 10	305	65	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	23	26	4	3	18,19,20,26,31,36	27,29,40,51,53,39	59,53,49,43,39,38	71,67,65,64,56,54			Mineral Fiber	KW	155	1.5	5.1	277	1	1	5.42	55	85.4
31	64-4-31	D3ORE	D	E	1	6	06	10 X 10	200	150	3	0.25	0.01	15	6.8	FG1 - 1" (25) Steri-line	No	20	24	4	2	18,19,20,26,31,36	24,28,39,53,59,40	54,48,46,41,36,36	67,62,61,64,55,51	50,44,43,43,39,36	62,57,58,63,56,52	Mineral Fiber	KW	150	1.5	5.1	277	1	1	5.42	55	86.4
32	64-4-32	D3ORE	D	E	1	6	06	10 X 10	200	200	3	0.25	0.01	15	9	FG																						

PROJECT SCHEDULE**Dayton Children's Ambulatory Renewal 4th Floor VAV****Terminal Units**

Item	Qty	Model	Tag 1	Unit	Max Cooling CFM	Min Cooling CFM	Aux. Min CFM	kW
1	1	D30RE	64-4-01	06	340	200	200	2.5
			06- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
2	1	D30RE	64-4-02	07	440	190	220	2.5
			07- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
3	1	D30RE	64-4-03	06	200	150	150	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
4	1	D30RE	64-4-04	06	220	75	110	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
5	1	D30RE	64-4-05	07	405	95	205	2.0
			07- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
6	1	D30RE	64-4-06	06	350	80	175	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
7	1	D30RE	64-4-07	09	765	165	385	4.5
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
8	1	D30RE	64-4-08	06	345	75	175	2.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
9	1	D30RE	64-4-09	09	710	165	355	4.0
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
10	1	D30RE	64-4-10	12	945	345	475	5.5
			12- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
11	1	D30RE	64-4-11	09	760	260	380	4.5
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
12	1	D30RE	64-4-12	06	215	215	215	2.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
13	1	D30RE	64-4-13	06	275	275	275	2.5
			06- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
14	1	D30RE	64-4-14	06	300	300	300	2.5
			06- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
15	1	D30RE	64-4-15	06	210	65	105	1.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
16	1	D30RE	64-4-16	06	175	65	90	1.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

PROJECT SCHEDULE**Dayton Children's Ambulatory Renewal 4th Floor VAV****Terminal Units**

Item	Qty	Model	Tag 1	Unit	Max Cooling CFM	Min Cooling CFM	Aux. Min CFM	kW
17	1	D30RE	64-4-17	12	1200	1200	1200	10.0
			12- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
18	1	D30RE	64-4-18	07	400	300	300	2.5
			07- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
19	1	D30RE	64-4-19	06	175	165	165	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
20	1	D30RE	64-4-20	07	400	300	300	2.5
			07- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
21	1	D30RE	64-4-21	06	175	165	165	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
22	1	D30RE	64-4-22	06	305	65	155	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
23	1	D30RE	64-4-23	06	215	165	165	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
24	1	D30RE	64-4-24	09	715	485	485	5.0
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
25	1	D30RE	64-4-25	06	200	200	200	2.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
26	1	D30RE	64-4-26	16	2000	430	1000	9.5
			16- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
27	1	D30RE	64-4-27	12	1035	1010	1010	8.5
			12- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
28	1	D30RE	64-4-28	06	200	200	200	2.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
29	1	D30RE	64-4-29	07	535	535	535	4.5
			07- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
30	1	D30RE	64-4-30	06	305	65	155	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
31	1	D30RE	64-4-31	06	200	150	150	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

PROJECT SCHEDULE**Dayton Children's Ambulatory Renewal 4th Floor VAV****Terminal Units**

Item	Qty	Model	Tag 1	Unit	Max Cooling CFM	Min Cooling CFM	Aux. Min CFM	kW
32	1	D30RE	64-4-32	06	200	200	200	2.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
33	1	D30RE	63-4-01	09	740	550	550	4.5
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
34	1	D30RE	63-4-02	06	200	150	150	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
35	1	D30RE	63-4-03	06	160	65	80	1.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
36	1	D30RE	63-4-04	16	1860	430	1210	12.5
			16- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
37	1	D30RE	63-4-05	07	415	160	210	2.0
			07- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
38	1	D30RE	63-4-06	12	915	915	915	7.5
			12- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
39	1	D30RE	63-4-07	07	315	240	240	2.0
			07- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
40	1	D30RE	63-4-08	07	400	300	300	2.5
			07- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
41	1	D30RE	63-4-09	07	400	300	300	2.5
			07- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
42	1	D30RE	63-4-10	06	175	165	165	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
43	1	D30RE	63-4-11	14	1715	360	1115	12.0
			14- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
44	1	D30RE	63-4-12	09	640	235	420	5.0
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
45	1	D30RE	63-4-13	06	300	225	225	2.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
46	1	D30RE	63-4-14	09	660	660	660	5.5
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

PROJECT SCHEDULE**Dayton Children's Ambulatory Renewal 4th Floor VAV****Terminal Units**

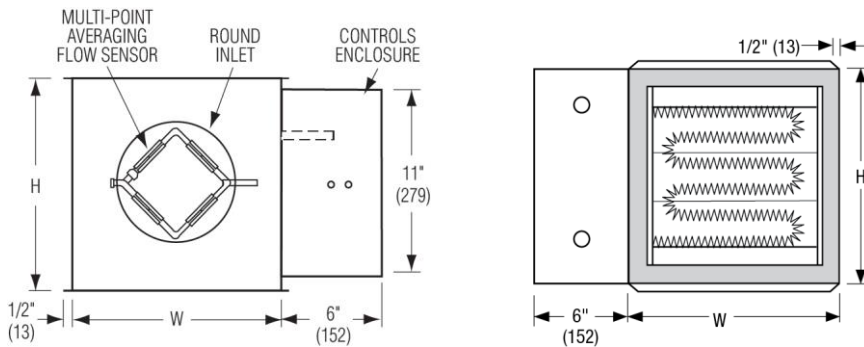
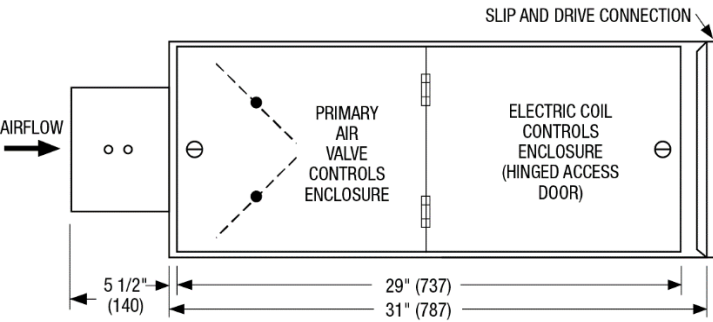


Item	Qty	Model	Tag 1	Unit	Max	Min	Aux.	kW
		Option	Codes	Size	Cooling	Cooling	Min	
					CFM	CFM	CFM	
47	1	D30RE	63-4-15	07	440	170	265	3.0
			07- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
48	1	D30RE	63-4-16	09	620	165	310	2.5
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
49	1	D30RE	63-4-17	06	325	180	195	2.5
			06- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
50	1	D30RE	63-4-18	06	200	150	150	1.5
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
51	1	D30RE	63-4-19	09	730	730	730	6.0
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
52	1	D30RE	63-4-20	06	200	200	200	2.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					
53	1	D30RE	63-4-21	09	805	805	805	7.5
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
54	1	D30RE	63-4-22	09	735	165	445	4.5
			09- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB					
55	1	D30RE	63-4-23	06	100	100	100	1.0
			06- NB- OR- QD- FG1- FN- FS- 277/1- SCR- BB					

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 1, 13, 14, 49; Tags: 64-4-01; 64-4-13; 64-4-14; 63-4-17



Right-hand controls location shown

*Controls Enclosure optional with field mounted controls

DIMENSIONAL DATA

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
6	65 – 550 (31 – 260)	10 (254)	10 (254)	5 7/8 (149) Round

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

FEATURES

- 16 ga. (1.61) corrosion-resistant steel inclined single blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators
- 24Vac Class II control transformer
- Hinged door control enclosure

Project: Dayton Children's Ambulatory Renewal 4th Floor VAV
Engineer:
Contractor:

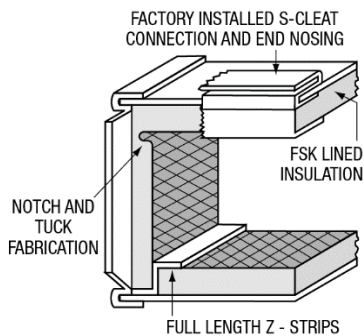
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Version No: 3.85.01 Rev.11

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

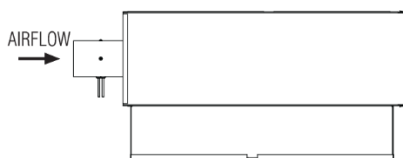
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD2 - Transformer: 480/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 4803 - Electric Coil: 480 volt/3 phase/3-wire
- SCR - SCR with 0-10 Vdc Control
- BB - Door-Interlocking disconnect switch

FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
 - NFPA 90A & 90B
 - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

OR - Top View Orientation- Controls Location



Right Hand Controls Location

Project: Dayton Children's Ambulatory Renewal 4th Floor VAV

Date: 11/2/2021

Engineer:

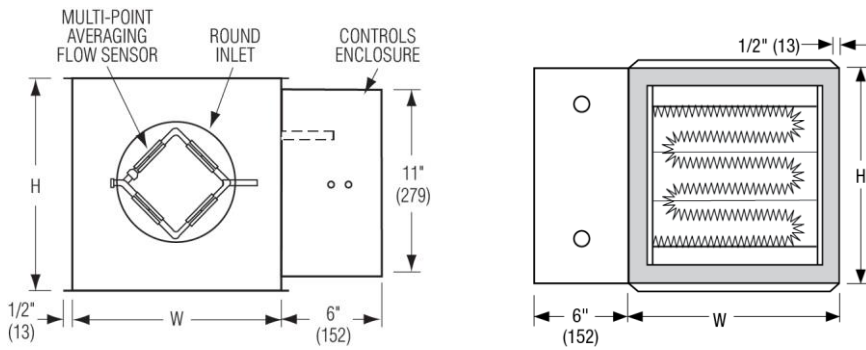
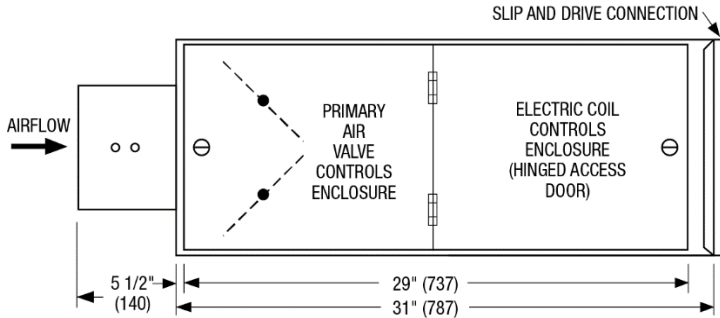
Version No: 3.85.01 Rev.11

Contractor:

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 2, 7, 9, 11, 18, 20, 24, 29, 33, 40, 41, 44, 46, 47, 48, 51, 53, 54; Tags: 64-4-02; 64-4-07; 64-4-09; 64-4-11; 64-4-18; 64-4-20; 64-4-24; 64-4-29; 63-4-01; 63-4-08; 63-4-09; 63-4-12; 63-4-14; 63-4-15; 63-4-16; 63-4-19; 63-4-21; 63-4-22



Right-hand controls location shown
 *Controls Enclosure optional with field mounted controls

DIMENSIONAL DATA

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
7	95 – 800 (45 – 378)	12 (305)	12 1/2 (318)	6 7/8 (175) Round
9	165 – 1400 (78 – 661)	14 (356)	12 1/2 (318)	8 7/8 (225) Round

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

FEATURES

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section

Project: Dayton Children's Ambulatory Renewal 4th Floor VAV
Engineer:
Contractor:

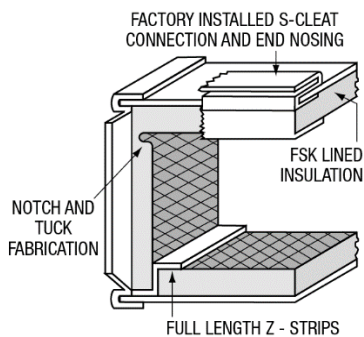
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Version No: 3.85.01 Rev.11

Dimensions are in inches (mm)

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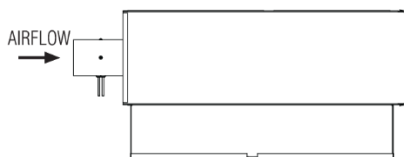
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators
- 24Vac Class II control transformer
- Hinged door control enclosure
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD2 - Transformer: 480/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 4803 - Electric Coil: 480 volt/3 phase/3-wire
- SCR - SCR with 0-10 Vdc Control
- BB - Door-Interlocking disconnect switch

FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
 - NFPA 90A & 90B
 - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

OR - Top View Orientation- Controls Location



Right Hand Controls Location

Project: Dayton Children's Ambulatory Renewal 4th Floor VAV

Date: 11/2/2021

Engineer:

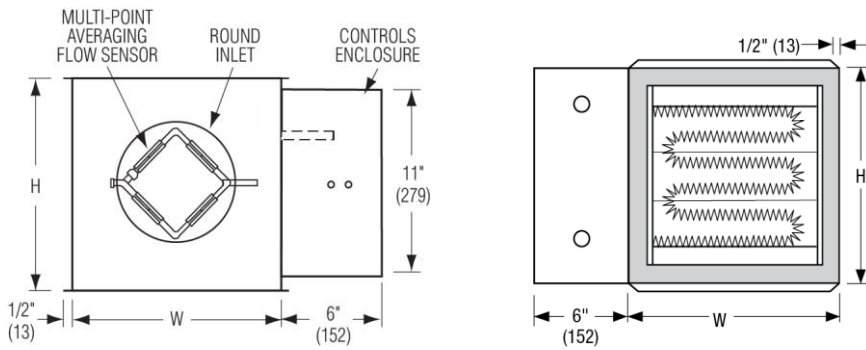
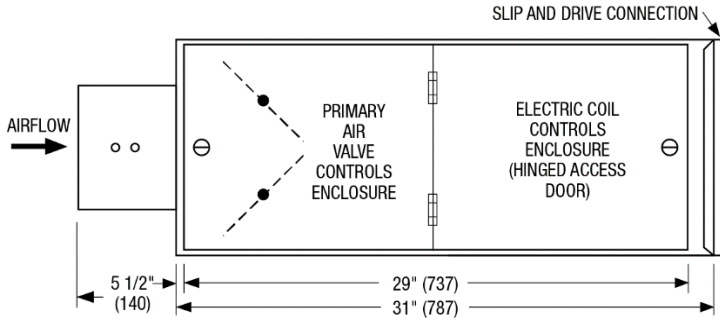
Version No: 3.85.01 Rev.11

Contractor:

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 3, 4, 6, 8, 12, 15, 16, 19, 21, 22, 23, 25, 28, 30, 31, 32, 34, 35, 42, 45, 50, 52, 55; Tags: 64-4-03; 64-4-04; 64-4-06; 64-4-08; 64-4-12; 64-4-15; 64-4-16; 64-4-19; 64-4-21; 64-4-22; 64-4-23; 64-4-25; 64-4-28; 64-4-30; 64-4-31; 64-4-32; 63-4-02; 63-4-03; 63-4-10; 63-4-13; 63-4-18; 63-4-20; 63-4-23



Right-hand controls location shown

*Controls Enclosure optional with field mounted controls

DIMENSIONAL DATA

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
6	65 – 550 (31 – 260)	10 (254)	10 (254)	5 7/8 (149) Round

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

FEATURES

- 16 ga. (1.61) corrosion-resistant steel inclined single blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators

Project: Dayton Children's Ambulatory Renewal 4th Floor VAV
Engineer:
Contractor:

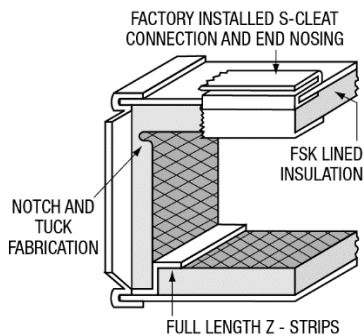
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Version No: 3.85.01 Rev.11

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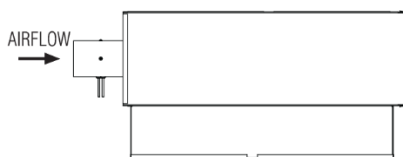
- 24Vac Class II control transformer
- Hinged door control enclosure
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD - Transformer: 277/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 2771 - Electric Coil: 277 volt/1 phase/2-wire
- SCR - SCR with 0-10 Vdc Control
- BB - Door-Interlocking disconnect switch

FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
 - NFPA 90A & 90B
 - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

OR - Top View Orientation- Controls Location



Right Hand Controls Location

Project: Dayton Children's Ambulatory Renewal 4th Floor VAV

Date: 11/2/2021

Engineer:

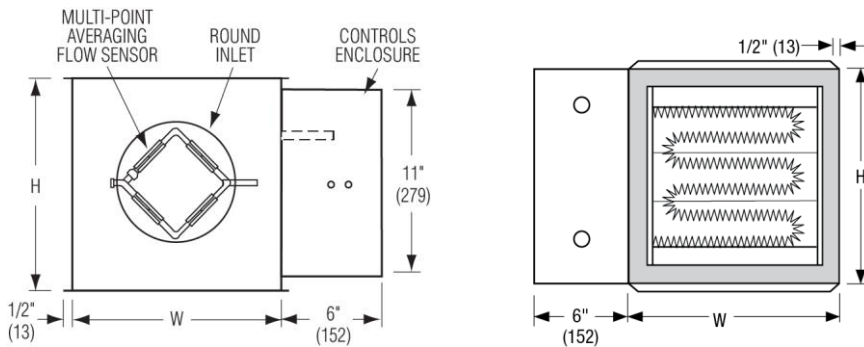
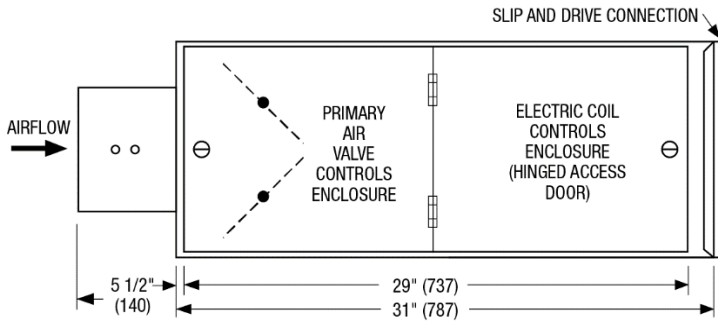
Version No: 3.85.01 Rev.11

Contractor:

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 5, 37, 39; Tags: 64-4-05; 63-4-05; 63-4-07



Right-hand controls location shown

*Controls Enclosure optional with field mounted controls

DIMENSIONAL DATA

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
7	95 – 800 (45 – 378)	12 (305)	12 1/2 (318)	6 7/8 (175) Round

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

FEATURES

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators
- 24Vac Class II control transformer
- Hinged door control enclosure

Project: Dayton Children's Ambulatory Renewal 4th Floor VAV
Engineer:
Contractor:

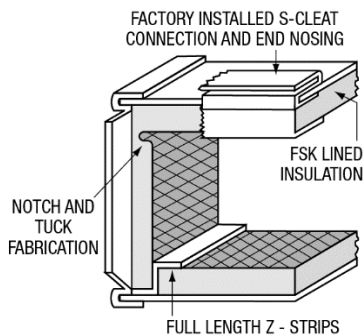
Date: 11/2/2021
Version No: 3.85.01 Rev.11

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

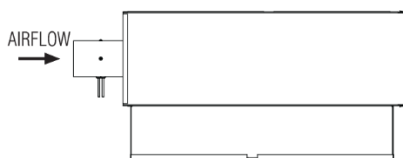
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD - Transformer: 277/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 2771 - Electric Coil: 277 volt/1 phase/2-wire
- SCR - SCR with 0-10 Vdc Control
- BB - Door-Interlocking disconnect switch

FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
 - NFPA 90A & 90B
 - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

OR - Top View Orientation- Controls Location



Right Hand Controls Location

Project: Dayton Children's Ambulatory Renewal 4th Floor VAV

Date: 11/2/2021

Engineer:

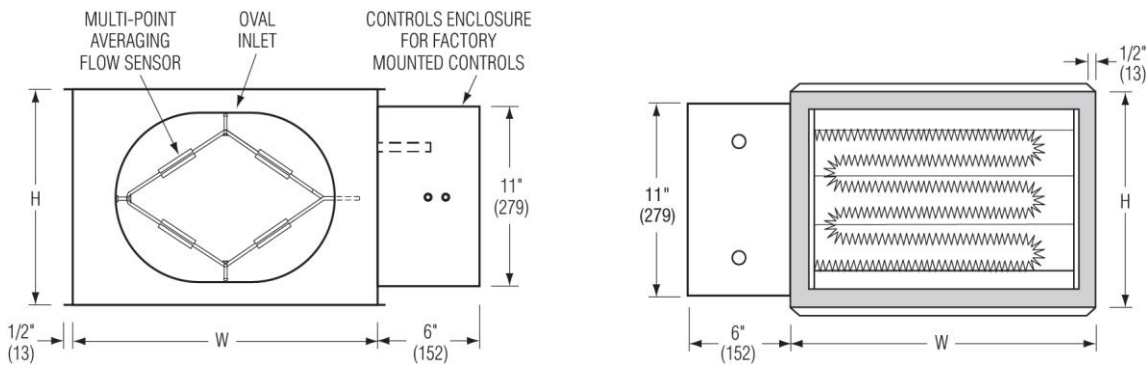
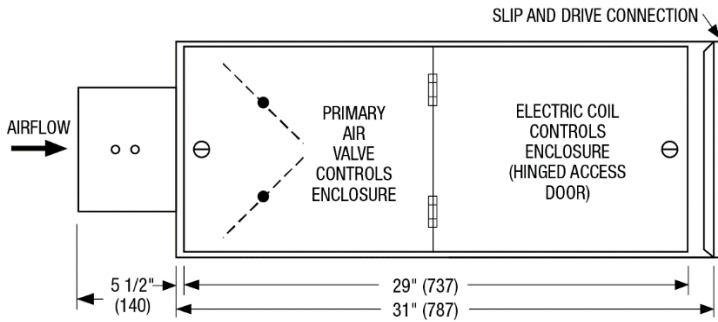
Version No: 3.85.01 Rev.11

Contractor:

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 10, 17, 26, 27, 36, 38, 43; Tags: 64-4-10; 64-4-17; 64-4-26; 64-4-27; 63-4-04; 63-4-06; 63-4-11



DIMENSIONAL DATA

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
12	290 – 2500 (137 – 1180)	18 (457)	12 1/2 (318)	12 15/16 x 9 13/16 (329 x 249) Oval
14	360 – 3125 (170 – 1475)	24 (610)	12 1/2 (318)	16 1/16 x 9 13/16 (408 x 249) Oval
16	430 – 3725 (203 – 1758)	28 (711)	12 1/2 (318)	19 3/16 x 9 13/16 (487 x 249) Oval

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

FEATURES

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators
- 24Vac Class II control transformer

Project: Dayton Children's Ambulatory Renewal 4th Floor VAV
Engineer:
Contractor:

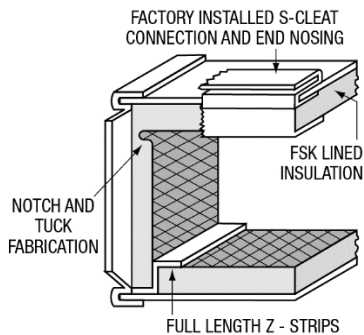
Date: 11/2/2021
Version No: 3.85.01 Rev.11

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

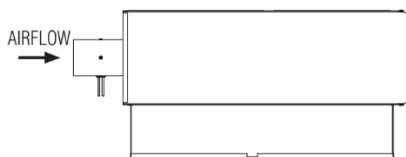
- Hinged door control enclosure
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD2 - Transformer: 480/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 4803 - Electric Coil: 480 volt/3 phase/3-wire
- SCR - SCR with 0-10 Vdc Control
- BB - Door-Interlocking disconnect switch

FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
 - NFPA 90A & 90B
 - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

OR - Top View Orientation- Controls Location



Right Hand Controls Location

Project: Dayton Children's Ambulatory Renewal 4th Floor VAV

Date: 11/2/2021

Engineer:

Version No: 3.85.01 Rev.11

Contractor:

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.



Pro Fit HVAC, LLC

P.O. Box 443
 15713 St. Rt. 116
 St. Marys, OH 45885

Todd Klosterman
 Cell: 419-305-7629
 todd@proairsales.com

Emily Klosterman
 Cell: 419-733-4733
 emily@proairsales.com

SUBMITTAL TRANSMITTAL

Project No.: 2018-05111

NOTE:

5th Floor:
 Air Terminal Units

Project Description: *(Project Title, Facility Name and Address)*

Dayton Children's
 Ambulatory Renewal Project

Date: 10/29/21

TO:

Cinfab LLC

 5240 Lester Road

 Cincinnati, OH 45213

FROM:

PRO FIT HVAC, LLC

 PO BOX 443

 ST. MARYS, OH 45885

SUBMITTAL TYPE:

- | | | |
|--------------------------------------------------|----------------------------------------|----------------------------------------------------|
| <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> Re-Submittal | <input type="checkbox"/> Information |
| <input type="checkbox"/> Product Data | <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Quality Control/Assurance |
| <input type="checkbox"/> Test Reports | <input type="checkbox"/> Certificate | <input type="checkbox"/> Contract Closeout |
| <input type="checkbox"/> Design Data | <input type="checkbox"/> Samples | <input type="checkbox"/> Other |

Specification Number and Title: _____

Part	Type	Description
23 36 16	Air Terminal Accessories	Nailor Industries

Contractor's Certification:

We have verified that all material or equipment contained in this submittal meets all the requirements specified or shown **(no exceptions)**.

 Contractor/Contractor's Representative *(Print Name)*

 Signature

Project Name: Dayton Children's Ambulatory Renewal Project

Submitted By: PRO FIT HVAC, LLCST. MARY'S, OH
UNITED STATES, 45885

Telephone: (419) 733 - 4733

Contact: Emily Klosterman

PROJECT SCHEDULE**Dayton Children's Ambulatory Renewal Project****Terminal Units**

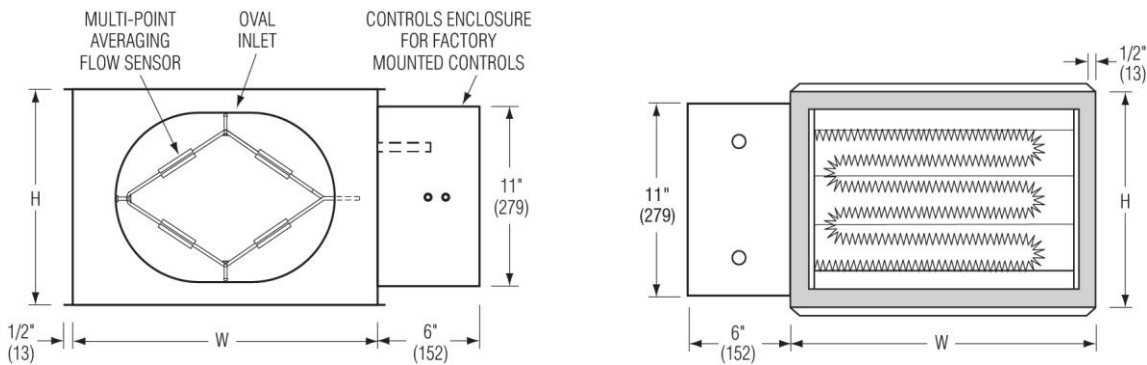
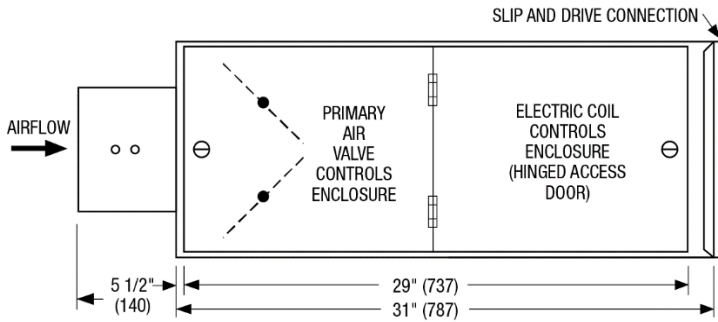


Item	Qty	Model	Tag 1	Unit	Max	Min	Aux.	kW
		Option	Codes	Size	Cooling	Cooling	Min	
					CFM	CFM	CFM	
3	1	D30RE	64-5-1	16	1600		1600	18.0
		16- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB						
4	1	D30RE	64-5-2	16	1500		750	7.0
		16- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB						
5	1	D30RE	63-5-01	16	1600		1600	18.0
		16- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB						
26	1	D30RE	63-5-02	16	1860	500	1210	13.0
		16- NB- OR- QD2- FG1- FN- FS- 480/3- SCR- BB						

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Items: 3, 4, 5, 26; Tags: 64-5-1; 64-5-2; 63-5-01; 63-5-02



DIMENSIONAL DATA

Unit Size	Min - Max Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
16	430 – 3725 (203 – 1758)	28 (711)	12 1/2 (318)	19 3/16 x 9 13/16 (487 x 249) Oval

Minimum flows are based upon 0.02" w.g. (5 Pa) differential pressure from flow sensor. The maximum flow rate represents the diamond flow sensor's differential pressure reading at 1.5" w.g. (373 Pa).

FEATURES

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Electric Coil is mounted in an integral attenuator section
- Class A 80/20 Ni/Cr wire
- High performance ceramic insulators
- 24Vac Class II control transformer
- Hinged door control enclosure
- Positive pressure air proving switch
- Primary auto-reset high limit thermal cut-out (one per coil in control circuit)
- Secondary manual reset high limit thermal cut-outs (one per element)

Project: Dayton Children's Ambulatory Renewal Project
Engineer:
Contractor:

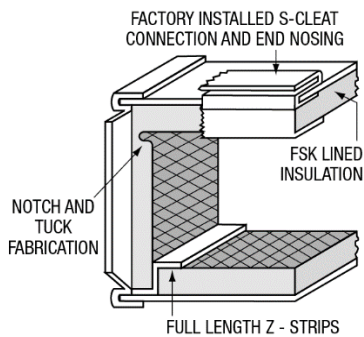
Date: 10/31/2021
Version No: 3.85.01 Rev.11

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

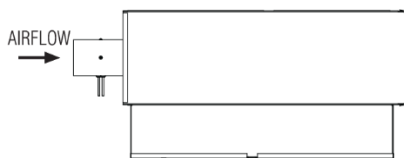
- Magnetic contactor per stage
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QD2 - Transformer: 480/24V
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets
- 4803 - Electric Coil: 480 volt/3 phase/3-wire
- SCR - SCR with 0-10 Vdc Control
- BB - Door-Interlocking disconnect switch

FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
 - NFPA 90A & 90B
 - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

OR - Top View Orientation- Controls Location



Right Hand Controls Location

Project: Dayton Children's Ambulatory Renewal Project

Date: 10/31/2021

Engineer:

Version No: 3.85.01 Rev.11

Contractor:

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.



SUBMITTAL DATA

Project: Dayton Children's Hospital Ambulatory

Project No.: 21113841

Construction Manager: Danis Construction

Architect/Engineer: Champlin/Heapy

Submittal For: VAVs (Penthouse)

Specification #: 23 36 16

Manufacturer: Nailor

Supplier: Pro-Fit HVAC

Contact Name & Phone #: Todd Klosterman (419) 305-7629

The attached submittal data has been reviewed by CINFAB for compliance with the Architect/Engineer's specifications and plan schedule for this project.

In order to maintain the project schedule, we request that this submittal be returned to CINFAB **within 10 days**.

NOTE: Material cannot be released without Architect/Engineer's approval of submittal.

Reviewed By: Jake Degen

Date: 11/3/2021

(Please place stamp of approval here)



Pro Fit HVAC, LLC

P.O. Box 443
15713 St. Rt. 116
St. Marys, OH 45885

Todd Klosterman
Cell: 419-305-7629
todd@proairsales.com

Emily Klosterman
Cell: 419-733-4733
emily@proairsales.com

SUBMITTAL TRANSMITTAL

Project No.: 2018-05111

NOTE:

Penthouse

Project Description: *(Project Title, Facility Name and Address)*

Dayton Children's
Ambulatory Renewal Project

Date: 11/3/21

TO:

Cinfab LLC
5240 Lester Road
Cincinnati, OH 45213

FROM:

PRO FIT HVAC, LLC
PO BOX 443
ST. MARYS, OH 45885

SUBMITTAL TYPE:

- | | | |
|--------------------------------------------------|----------------------------------------|----------------------------------------------------|
| <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> Re-Submittal | <input type="checkbox"/> Information |
| <input type="checkbox"/> Product Data | <input type="checkbox"/> Shop Drawings | <input type="checkbox"/> Quality Control/Assurance |
| <input type="checkbox"/> Test Reports | <input type="checkbox"/> Certificate | <input type="checkbox"/> Contract Closeout |
| <input type="checkbox"/> Design Data | <input type="checkbox"/> Samples | <input type="checkbox"/> Other |

Specification Number and Title: _____

Part	Type	Description
23 36 16	Air Terminal Units	Nailor Industries

Contractor's Certification:

We have verified that all material or equipment contained in this submittal meets all the requirements specified or shown **(no exceptions)**.

Contractor/Contractor's Representative *(Print Name)*

Signature

Project Name: Dayton Children's Ambulatory Renewal Penthouse VAV

Project Location:

Engineer:

Contractor:

Contact:

Date: November 3, 2021

Submitted By: PRO FIT HVAC, LLCST. MARY'S, OH
UNITED STATES, 45885

Telephone: (419) 733 - 4733

Contact: Emily Klosterman

Nailor Single Duct VAV Units																																															
Project: Dayton Children's Ambulatory Renew										Date Created: 11/3/2021																																					
Customer: Cinfab										Date Due: 11/3/2021																																					
Engineer:																																															
Item ID	Tag#	Model	Control Type	Heater Type	Quantity	Unit Size	Inlet Size	Outlet Size	Primary Max AF (cfm)	Primary Min AF (cfm)	Inlet SP (in wg)	Outlet SP (in wg)	Min Inlet SP (in wg)	MOP	MCA	Liner	Integral Attenuator	Rad NC	Dis NC	Rad NC OB	Dis NC OB	Rad Deducts	Dis Deducts	Rad SWLs	Dis SWLs	Ceiling Type	HW Calc Method	HW Htg AF (cfm)	HW EWT (°F)	HW EAT (°F)	HW Rows	HW Fluid Flow (gpm)	HW AFV @Min (fpm)	HW AFV @Max (fpm)	HW Total Heat (mbh)	HW LAT (°F)	HW LWT (°F)	HW DT (°F)	HW FV (fps)	HW Fluid PD (ft w/g)	Total HW Air PD @Min (in wg)	Total HW Air PD @Max (in wg)	HW FPI or MMMPF	HW Connection Size (in)	HW Fluid Type	HW Glycol Pct	HW AHRI Certified
✓ 1	63-6-01	D30RW	D	W	1	14 14	24 X 12 1/2	1500	1000	0.3	0.25	0.01	15	0	FG1 - 1" (25) Steri-liner	No	33	31	3	3	18,19,20,26,31,36	29,30,41,51,52,39	61,62,56,50,46,44	76,72,72,70,65,62	Mineral Fiber	Heat Load, Fluid Flow	1000	140	55	2	2	480	720	32.5	85.3	109.8	30.18	1.85	1.55	0.16	0.32	10	0.875	WTR	0	0	1
✓ 2	63-6-02	D3001	D	W	1	12 12	18 X 12 1/2	900	0	0.3	0.25	0.01	15	0	FG1 - 1" (25) Steri-liner	No	25	25	3	3	18,19,20,26,31,36	29,30,41,51,52,39	57,56,50,48,42,41	72,67,67,65,61,59	Mineral Fiber	Heat Load, Fluid Flow	1000	140	55	2	2	480	720	32.5	85.3	109.8	30.18	1.85	1.55	0.16	0.32	10	0.875	WTR	0	0	1

MIN CFM SHALL BE AS LISTED ON SCHEDULE

PROJECT SCHEDULE**Dayton Children's Ambulatory Renewal Penthouse VAV****Terminal Units**

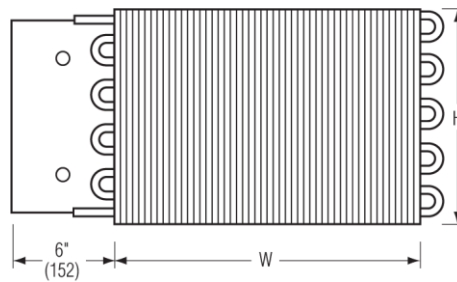
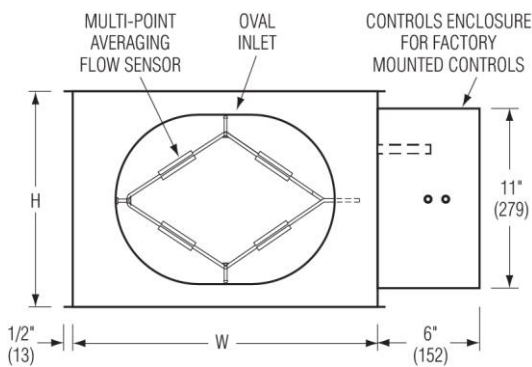
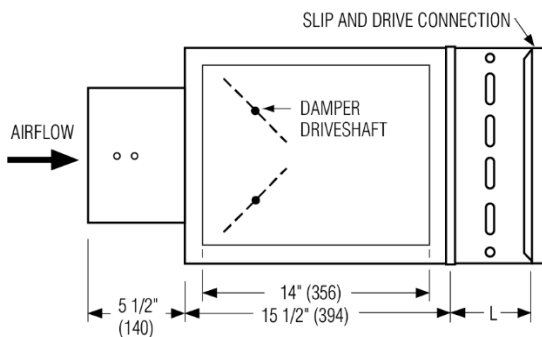


Item	Qty	Model	Tag 1	Unit	Inlet	Max	Min	Aux.
		Option	Codes	Size	Size	Cooling	Cooling	Min
						CFM	CFM	CFM
1	1	D30RW	63-6-01	14	14	1500	1000	1000
		14- 14- NB- OR- QF- FG1- FN- FS- W2R						
2	1	D3001	63-6-02	12		900		
		12- NB- OR- QF- FG1- FN- FS						

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Item: 1; Tags: 63-6-01



DIMENSIONAL DATA

Unit Size	Inlet Size	Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size (Nominal)		Coil Length (L)		Coil Connections	
					1&2 Rows	2 Row	1&2 Rows	2 Row		
14	14	0 – 3125 (0 – 1475)	24 (610)	12 1/2 (318)	16 1/16 x 9 13/16 (408 x 249) Oval	5 (127)	7/8 (22)			

Maximum airflow limit is based upon 1.5" w.g. (373 Pa) max. differential pressure signal from Diamond Flow Sensor.
O.D. male solder sweat connections.

FEATURES

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Damper Actuator: Not Provided
- 1/2" (13) Copper tubes and aluminum ripple fins, 10 per inch
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QF - Toggle disconnect switch
- FG1 - 1" (25) Steri-Liner
- FN - Full NEMA 1 type 24V Controls Enclosure

Project: Dayton Children's Ambulatory Renewal Penthouse VAV

Date: 11/3/2021

Engineer:

Version No: 3.85.01 Rev.11

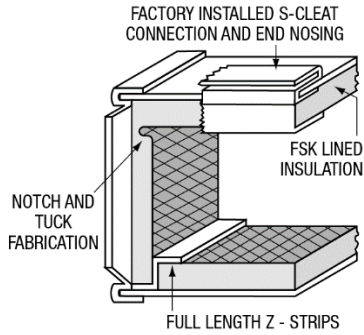
Contractor:

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

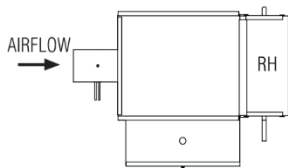
- FS - Hanger Brackets
- W2R - Hot Water Coil: 2 Row, Right-hand

FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
 - NFPA 90A & 90B
 - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

OR/W2R - Top View Orientation- Controls Location, Hot Water Coil Connection



Right Hand Controls Location/Right Hand Hot Water Coil Connection

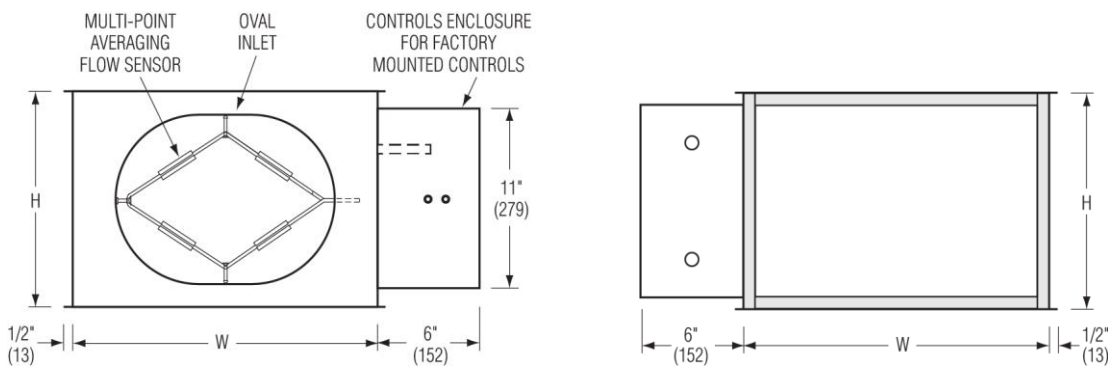
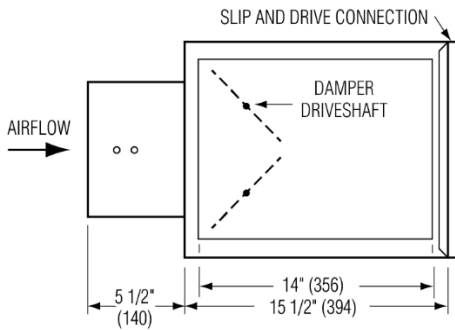
Project: Dayton Children's Ambulatory Renewal Penthouse VAV
Engineer:
Contractor:

Date: 11/3/2021
Version No: 3.85.01 Rev.11

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Item: 2; Tags: 63-6-02



Right-hand controls location shown

*Controls Enclosure optional with field mounted controls

DIMENSIONAL DATA

Unit Size	Airflow Range cfm (l/s)	Width (W)	Height (H)	Inlet Size
12	0 – 2500 (0 – 1180)	18 (457)	12 1/2 (318)	12 15/16 x 9 13/16 (329 x 249) Oval

Maximum airflow limit is based upon 1.5" w.g. (373 Pa) max. differential pressure signal from Diamond Flow Sensor.

FEATURES

- 16 ga. (1.61) corrosion-resistant steel inclined opposed blade damper with extruded PVC seals. 45° rotation, CW to close. Tight close-off. Damper leakage is less than 2% of the terminal rated airflow at 3" w.g. (750 Pa)
- 1/2" (13) dia. plated steel drive shaft. An indicator mark on the end of the shaft shows damper position
- Multi-point averaging Diamond Flow Sensor. Aluminum construction. Supplied with balancing tees
- Damper Actuator: Not Provided
- NB - Controls: By Others (Field Mounted)
- OR - 22 ga. (0.86) zinc coated steel casing, mechanically sealed, low leakage construction, right hand (determined when looking in the direction of airflow)
- QF - Toggle disconnect switch
- FG1 - 1" (25) Steri-Liner

Project: Dayton Children's Ambulatory Renewal Penthouse VAV
Engineer:
Contractor:

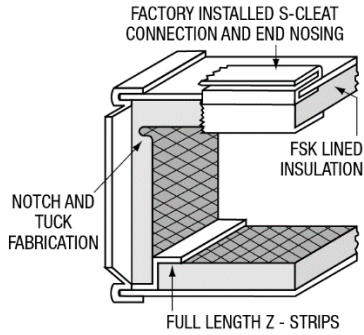
Date: 11/3/2021
Version No: 3.85.01 Rev.11

Dimensions are in inches (mm)

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

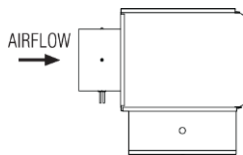
- FN - Full NEMA 1 type 24V Controls Enclosure
- FS - Hanger Brackets

FG1 - Steri-Liner



- 1" (25) thick, rigid fiberglass with a fire resistant reinforced aluminum FSK (foil-scrim-kraft) facing
- Meets requirements:
- UL 181 & 723
 - NFPA 90A & 90B
 - ASTM E 84, C 665, C 1071, C 1338, G21 & G22

OR - Top View Orientation- Controls Location



Right Hand Controls Location

Project: Dayton Children's Ambulatory Renewal Penthouse VAV
Engineer:
Contractor:

Date: 11/3/2021
Version No: 3.85.01 Rev.11

Dimensions are in inches (mm)