Skanska USA Building
201 East Fifth Street
Suite 2020
Cincinnati, Ohio 45202
P: (513) 421-0028
F: (513) 421-0053

Project: 2721001.02 IHMS Indian Hill New Middle School
6845 Drake Road
Cincinnati, Ohio 45243

Submittal #23 36 00-1.3 - IHMS-233600-Air Terminal Units-PD & SD Rev 3
23 36 00 - Air Terminal Units

Revision	3	**Submittal Manager**	Trey Stautberg (Skanska USA Building Inc. (OH))
Status	Open	**Date Created**	Jan 31, 2023
Issue Date	Jan 31, 2023	**Spec Section**	23 36 00 - Air Terminal Units
Responsible Contractor	Feldkamp Enterprises, Inc.	**Received From**	Heather Wyatt (Feldkamp Enterprises, Inc.)
Received Date		**Submit By**	
Final Due Date	Feb 14, 2023	**Lead Time**	
Sub Job			
Location		**Type**	Shop Drawing

Approvers Trey Stautberg (Skanska USA Building Inc. (OH)), Sarah Lubell (Motz Engineering), Alex Powell (MSA Design), Tanya Tedesco (Motz Engineering), Matthew Zix (MSA Design)

Ball in Court Sarah Lubell (Motz Engineering), Alex Powell (MSA Design), Tanya Tedesco (Motz Engineering), Matthew Zix (MSA Design)

Distribution Matt Thompson (Skanska USA Building Inc. (OH)), Christopher Soto (Skanska USA Building Inc. (OH)), Jeff Smoker II (Skanska USA Building Inc. (OH))

Description IHMS-233600-Air Terminal Units-PD & SD Rev 3

SHOP DRAWINGS

X Reviewed **□ Furnish as Corrected**

□ Rejected **□ Revise and Resubmit**

This review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Corrections or comments made on the shop drawings during this review do not relieve contractor from compliance with the requirements of the plans and specifications. Approval of a specific item shall not include approval of an assembly of which the item is a component. Contractor is responsible for: dimensions to be confirmed and correlated at the job site; information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the work of all trades; and for performing all work in a safe and satisfactory manner.

Note: Errors in shop drawings or undue delays in making corrections are not an acceptable excuse for changing delivery dates from imperfect fabrication.

MOTZ CONSULTING ENGINEERS, INC.
By: Matt Montgomery **Date:** 02/02/2023

ADDITIONAL SUBMITTAL DETAILS

Delivered Via		**Priority**	
LEED	No	**Tracking Number**	
Track for Expediting	No		

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					
Heather Wyatt		Oct 7, 2022	Jan 31, 2023	Submitted	
Trey Stautberg		Jan 31, 2023	Jan 31, 2023	Approved	IHMS-233600-Air Terminal Units-PD & SD Rev 3.pdf (Current)
Sarah Lubell	Jan 31, 2023	Feb 14, 2023		Pending	
Alex Powell	Jan 31, 2023	Feb 14, 2023		Pending	
Tanya Tedesco	Jan 31, 2023	Feb 14, 2023		Pending	
Matthew Zix	Jan 31, 2023	Feb 14, 2023		Pending	

Skanska USA Building
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Project: 2721001.02 IHMS Indian Hill New Middle School
6845 Drake Road
Cincinnati, Ohio 45243

Submittal #23 36 00-1.3 - IHMS-233600-Air Terminal Units-PD & SD Rev 3
23 36 00 - Air Terminal Units

Revision	3	**Submittal Manager**	Trey Stautberg (Skanska USA Building Inc. (OH))
Status	Open	**Date Created**	Jan 31, 2023
Issue Date	Jan 31, 2023	**Spec Section**	23 36 00 - Air Terminal Units
Responsible Contractor	Feldkamp Enterprises, Inc.	**Received From**	Heather Wyatt (Feldkamp Enterprises, Inc.)
Received Date		**Submit By**	
Final Due Date	Feb 14, 2023	**Lead Time**	
Sub Job			
Location		**Type**	Shop Drawing

Approvers Trey Stautberg (Skanska USA Building Inc. (OH)), Sarah Lubell (Motz Engineering), Alex Powell (MSA Design), Tanya Tedesco (Motz Engineering), Matthew Zix (MSA Design)

Ball in Court Trey Stautberg (Skanska USA Building Inc. (OH))

Distribution Matt Thompson (Skanska USA Building Inc. (OH)), Christopher Soto (Skanska USA Building Inc. (OH)), Jeff Smoker II (Skanska USA Building Inc. (OH))

Description IHMS-233600-Air Terminal Units-PD & SD Rev 3

ADDITIONAL SUBMITTAL DETAILS

Delivered Via

LEED No

Track for Expediting No

Skanska Review Verification

Reviewed X
Reviewed as Noted _____
Revise & Resubmit _____
Rejected _____

The undersigned hereby certifies our review of the referenced submittal to be in compliance with the Contract Documents. Correctness of details, measurements, quantities, conformity with documents, techniques of construction and contract coordination with other trades shall remain the complete responsibility of the Subcontractor/Supplier.

CHECKED BY: Trey Stautberg
DATE: 1/31/23
SPECIFICATIONS: See Above
SUBMITTAL NO.: See Above

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					
Heather Wyatt		Oct 7, 2022	Jan 31, 2023	Submitted	
Trey Stautberg		Jan 31, 2023		Pending	
Sarah Lubell		Feb 14, 2023		Pending	
Alex Powell		Feb 14, 2023		Pending	
Tanya Tedesco		Feb 14, 2023		Pending	
Matthew Zix		Feb 14, 2023		Pending	

Feldkamp Enterprises, Inc.
3642 Muddy Creek Rd
Cincinnati, Ohio 45238
P: 513-347-4500

Project: 1338 Indian Hill New Middle School
6845 Drake Road
Cincinnati, Ohio 45243

FOR RECORD

Submittal #23 36 00-1.3 - Air Terminal Units
23 36 00 - AIR TERMINAL UNITS

Revision	3	**Submittal Manager**	Heather Wyatt (Feldkamp Enterprises, Inc.)
Status	Open	**Date Created**	Dec 27, 2022
Issue Date	Dec 27, 2022	**Spec Section**	23 36 00 - AIR TERMINAL UNITS
Responsible Contractor	Environmental Air Products	**Received From**	Kyle Dullaghan (Environmental Air Products)
Received Date	Dec 27, 2022	**Submit By**	Dec 27, 2022
Final Due Date	Jan 10, 2023	**Lead Time**	
		Cost Code	
Location		**Type**	Product Information
Manufacturer	Price		
Approvers	Heather Wyatt (Feldkamp Enterprises, Inc.), Trey Stautberg (Skanska USA Building)		
Ball in Court	Heather Wyatt (Feldkamp Enterprises, Inc.)		
Distribution	Jack Rahn (Feldkamp Enterprises, Inc.)		
Description	2.1 DAMPER MOTOR OPERATED VARIABLE VOLUME TERMINAL UNITS WITH HOT WATER REHEAT COILS A. Furnish and install, where shown, DDC operated, pressure independent, variable volume air control terminal units. B. Variable air volume supply air control terminals for connection to medium pressure duct, central air systems, with direct digital control, and unit mounted hot water coils. C. Identify each terminal unit with clearly marked identification label and airflow indicator. Label shall include unit nominal air flow, maximum factory set air flow, minimum factory set air flow, and coil type. Also provide, mounted on bottom of box to be clearly visible from below, laminated label indicating box number and AHU number which feeds box.		

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					
Kyle Dullaghan		Dec 27, 2022	Dec 27, 2022	Submitted	
Comment	Resubmitting per RFI-97				
Heather Wyatt	Dec 27, 2022	Dec 27, 2022		Pending	
Trey Stautberg		Jan 10, 2023		Pending	

Terminals
Submittals

Job Name: Indian Hill Middle School VAVs
Job Location: Cincinnati, OH
Customer: Feldkamp Enterprises
Date Printed: 12/23/2022
Spec Section: 23 - HVAC

Contact: Kyle Dullaghan
3930 VIRGINIA AVE
CINCINNATI, OH 45227

Phone: 513-332-2082
Email: kdullaghan@eapnet.com

price®

All-In-One
Detailed Submittal Schedule
Terminals

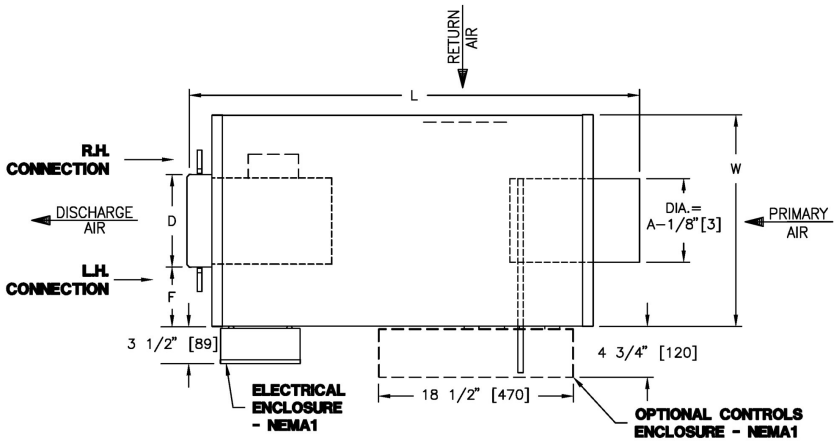
#	Qty	Model	Tag	Unit Size	Inlet Dia	Max Primary (CFM)	Min Primary (CFM)	Fan Flow (CFM)	* Max Rad NC 2008	Fan Only Dis NC 2008	Max Dis NC	Fan Motor Voltage	Downstream SP (in. w.g.)	Min Oper PD (in. w.g.)	WC Capacity (MBH)	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	Glycol %	Fluid Flow (GPM)	FPD (ft. w.g.)
146	1	FDC	FPVAV-1-1	10	6	320	65	320	26 (3)	--	--	115	0.25	0.17	6.70	70.90	90.00	180.00	159.00	30.00	0.69	0.52
147	1	FDC	FPVAV-1-2	60	16	2000	650	2000	42 (3)	--	20 (2)	115	0.25	0.04	46.60	68.50	90.00	180.00	150.20	30.00	3.39	2.87
148	1	FDC	FPVAV-4-1	60	16	2000	650	2000	42 (3)	--	20 (2)	115	0.25	0.04	46.60	68.50	90.00	180.00	150.20	30.00	3.39	2.87

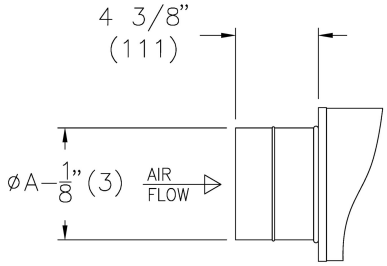
Performance Notes

Date Printed: 12/23/2022

1. Dashes (--) indicate NC values less than 20.
2. NC values are calculated based on procedures outlined in AHRI Standard 885-2008, “A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets.”
3. Sound power levels are given in decibels (dB).
4. "** Discharge sound power levels 2008" do not include duct end reflection. For the most current data based on ASHRAE Standard 130-2008 and AHRI Standard 880-2011 reference "Discharge sound power levels."
5. Dashes (--) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.
6. Minimum operating pressure is the minimum static pressure required to operate the terminal item assembly at maximum primary flow with a wide open damper.
7. Airflow is given in cubic feet per minute (cfm).
8. Air pressure drop is given in inches water gauge (in. w.g.), and water pressure drop is given in feet of water gauge (ft. w.g.).
9. NC values are derived from sound power levels obtained in accordance with ASHRAE Standard 130-2016 and AHRI Standard 880-2017, which include duct end reflection corrections.
10. * NC values are derived from sound power levels obtained in accordance with ASHRAE Standard 130-2008 and AHRI Standard 880-2008.
    These values are NOT the most current method for estimating NC values because AHRI 880-2008 does not include duct end reflection corrections.
11. Water coil performance is rated and certified in accordance with the latest edition of AHRI Standard 410.

FDC Series Fan Powered Terminal Unit

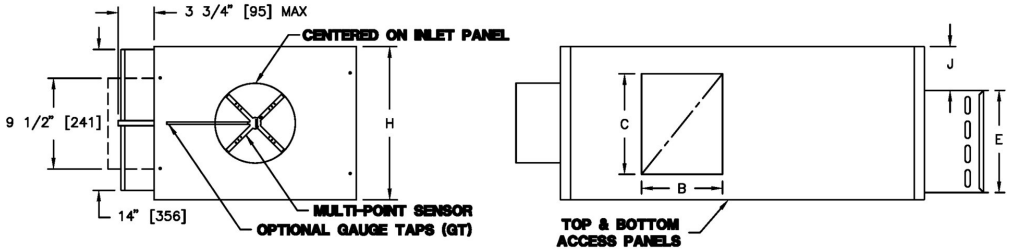




ECM Motor					
Unit Size	Motor H.P.	Full Load Amps			
		115V	208V	240V	277V
10	1/3	4.6	2.9	2.6	2.4

Box Size	Inlet A	Return		Discharge		W	H	L	F	J	K	Gauge
		B	C	D	E							
10	6	8	10	12	10	20	15 1/4	46 1/2	4	4 1/2	N/A	20

Controls



- Multi-point primary airflow sensor supplied by Price
- Controls mounted as standard on left hand side as shown. Units with right hand configuration are flipped, causing the discharge duct hanging elevation to change
- Left-handed controls shown.
- The outlet is not vertically centered on the discharge panel. When the box is supplied with right-handed controls, dimension 'J' measures from the bottom of the box instead of the top, as shown.
- Controls are supplied by controls contractor and field installed
- Pressure independent
- 115/24v Control Transformer Supplied
- PS - Controls enclosure included

PROJECT: Indian Hill Middle School VAVs
SUBMITTAL NO: 267944-K
SUBMITTAL DATE: 12/23/2022
ENGINEER:
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Series Fan Powered Terminal Unit
FDC-1-3//I//10/6/CFM/65/320/115/ECM/HTF/320/LH/FB1/FLD/PS/////WC/S/1ROW///0.0/////////////////////MERV3/////////BASV/115-24V//////////////6000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

Terminal Notes

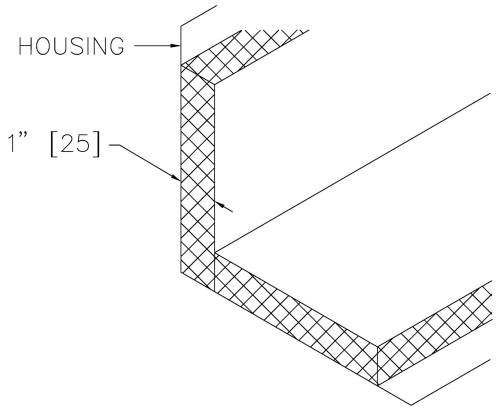
- 20ga zinc coated steel casing. Mechanically sealed, leak resistant construction
- Primary damper blade constructed of two layers of heavy gauge galvanized steel with a sandwiched peripheral gasket
- 1/2" (13) dia. Zinc plated solid steel shaft with end indicator mark showing damper position
- Damper leakage rated below 2% of nominal flow at 3" W.G. Damper CCW to close
- Rectangular discharge opening with slip & drive connection
- Units not to be used for temporary heat or ventilation during construction
- Minimum 0.1" w.g. (25 PA) external static pressure to operate
- Refer to submitted box schedule for air volumes and inlet sizes
- Listed UL1995 & CSA236 assembly
- Full sized top & bottom access panels fastened with screws

Motor Notes

- ECM electric motor 1 phase, 60 cycle. Speed controller included
- BASV - BAS Input signal 0-10VDC
- Motor speed controller included in NEMA1 electrical enclosure

Terminal Liner - FB1

Internal Insulation - Foil Faced Rigid Fiberglass Board 1" (25mm) thick, min. 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
R-value = 4.2



PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 267944-K
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/23/2022
DESCRIPTION: Series Fan Powered Terminal Unit
FDC-1-3//I//10/6/CFM/65/320/115/ECM/HTF/320/LH/FB1/FLD/PS/////WC/S/1ROW///0.0/////////////////////MERV3/////////BASV/115-24V//////////////6000

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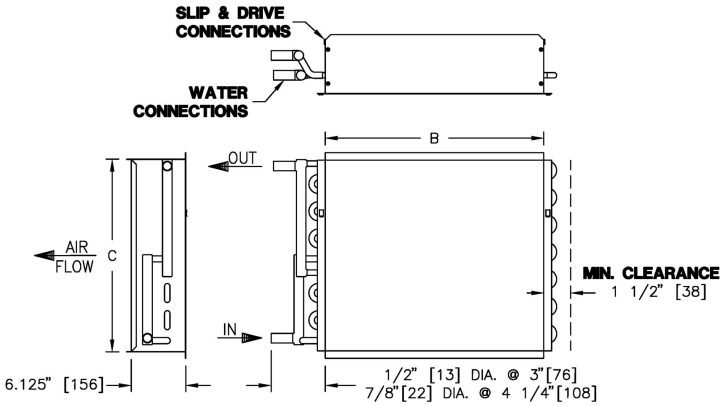
Water Coil - Left Hand



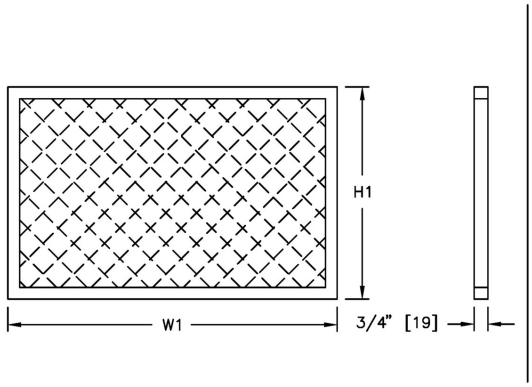
Unit Size	B (Width)	C (Height)	Connection Sizes	
			1 Row	2 Row
10	12	10	1/2	7/8

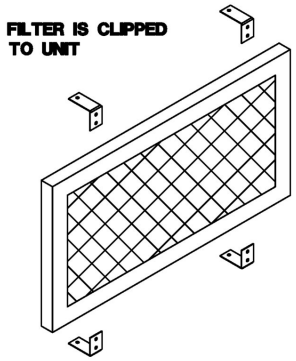
Coil Notes:

- Fabricated from 22 ga. galvanized steel mechanically sealed, leak resistant construction
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities
- Water coil handing is the same as unit handing
- Standard coils supplied with 10 fins per inch
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections
- Method of venting reheat coil is to be provided by installing contractor
- Water Coil Performance rated and certified in accordance with the current edition of AHRI standard 410

Filter MERV3

1" MERV3 Return-Air Filter





- Cardboard frame
- 1" (25) Nominal Filter Media
- Merv 3 Rating
- Filter clipped to unit

UNIT SIZE	W1 (Width)	H1 (Height)
10	10	15 1/4

PROJECT: Indian Hill Middle School VAVs
SUBMITTAL NO: 267944-K
SUBMITTAL DATE: 12/23/2022
ENGINEER:
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Series Fan Powered Terminal Unit
FDC-1-3//I//10/6/CFM/65/320/115/ECM/HTF/320/LH/FB1/FLD/PS/////WC/S/1ROW///0.0/////////////////////MERV3/////////BASV/115-24V/////////////6000

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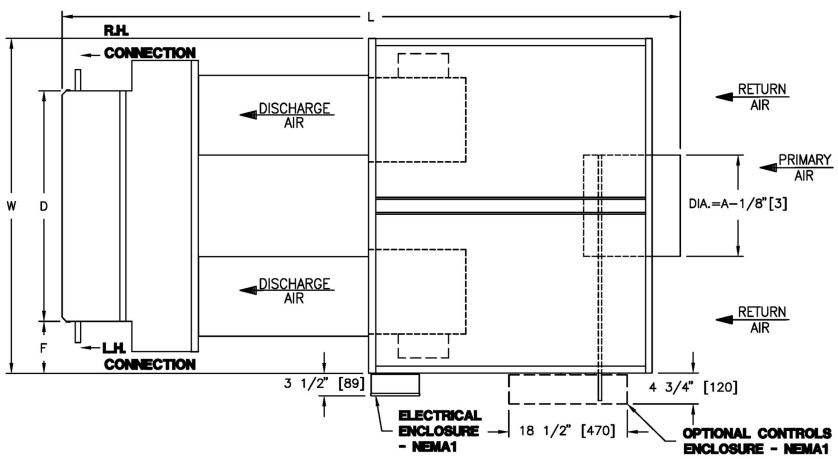
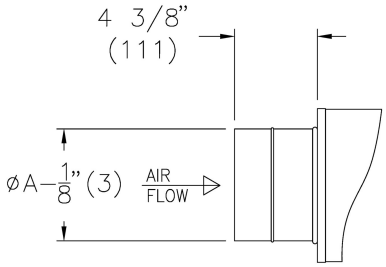
FDC Series Fan Powered Terminal Unit

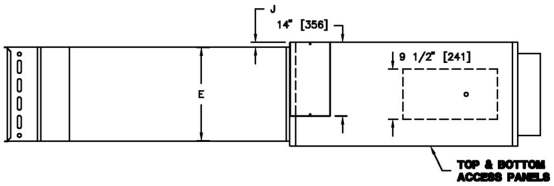


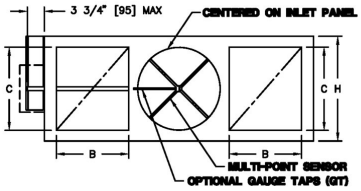


ECM Motor					
Unit Size	Motor H.P.	Full Load Amps			
		115V	208V	240V	277V
60	3/4 (2)	18.6	14.3	12.6	10.2

Box Size	Inlet A	Return		Discharge		W	H	L	F	J	K	Gauge
		B	C	D	E							
60	16	14	16	38	18	52	20 1/8	103	7	1 1/8	N/A	20

Controls





- Multi-point primary airflow sensor supplied by Price
- Controls mounted as standard on left hand side as shown. Units with right hand configuration are flipped, causing the discharge duct hanging elevation to change
- Left-handed controls shown.
- The outlet is not vertically centered on the discharge panel. When the box is supplied with right-handed controls, dimension 'J' measures from the bottom of the box instead of the top, as shown.
- Controls are supplied by controls contractor and field installed
- Pressure independent
- 115/24v Control Transformer Supplied
- PS - Controls enclosure included

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 267944-K
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/23/2022
DESCRIPTION: Series Fan Powered Terminal Unit
FDC-1-3//I//60/16/CFM/650/2000/115/ECM/HTF/2000/LH/FB1/FLD/PS/////WC/S/1ROW///0.0/////////////////SLR-PL///MERV3/////////BASV/115-24V/////////////6000

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Terminal Notes

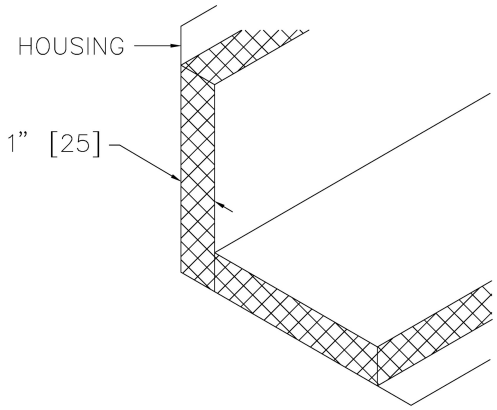
- 20ga zinc coated steel casing. Mechanically sealed, leak resistant construction
- Primary damper blade constructed of two layers of heavy gauge galvanized steel with a sandwiched peripheral gasket
- 1/2" (13) dia. Zinc plated solid steel shaft with end indicator mark showing damper position
- Damper leakage rated below 2% of nominal flow at 3" W.G. Damper CCW to close
- Rectangular discharge opening with slip & drive connection
- Units not to be used for temporary heat or ventilation during construction
- Minimum 0.1" w.g. (25 PA) external static pressure to operate
- Refer to submitted box schedule for air volumes and inlet sizes
- Listed UL1995 & CSA236 assembly
- Full sized top & bottom access panels fastened with screws

Motor Notes

- ECM electric motor 1 phase, 60 cycle. Speed controller included
- BASV - BAS Input signal 0-10VDC
- Motor speed controller included in NEMA1 electrical enclosure

Terminal Liner - FB1

Internal Insulation - Foil Faced Rigid Fiberglass Board 1" (25mm) thick, min. 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
R-value = 4.2



PROJECT: Indian Hill Middle School VAVs
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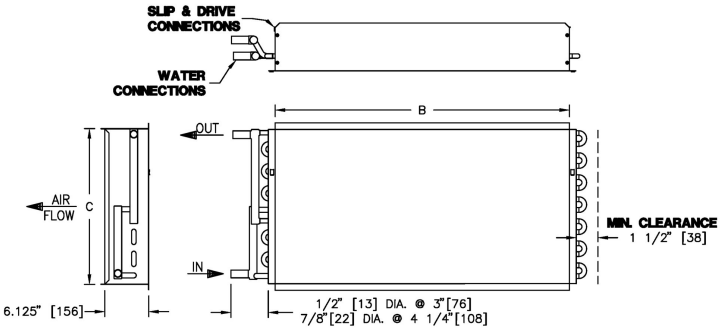
Water Coil - Left Hand



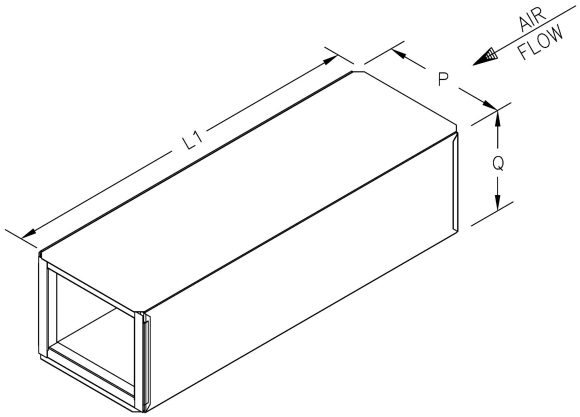
Unit Size	B (Width)	C (Height)	Connection Sizes	
			1 Row	2 Row
60	38	18	7/8	7/8

Coil Notes:

- Fabricated from 22 ga. galvanized steel mechanically sealed, leak resistant construction
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities
- Flanged adaptor supplied by Price is required to attach hot water coils to the unit.
- Water Coil Performance rated and certified in accordance with the current edition of AHRI standard 410
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections
- Method of venting reheat coil is to be provided by installing contractor
- Water coil handing is the same as unit handing
- Standard coils supplied with 10 fins per inch

Discharge Silencer SLR-PL

Discharge silencer w/ polymer liner



UNIT SIZE	P	Q	L1
60	38	18	36

- 22 ga galvanized steel housing, mechanically sealed, leak resistant construction
- Slip and drive connection ends provided on silencer
- Silencer - Medium pressure style, 22GA. galvanized casing, 26GA. perforated liner over acoustic media
- Discharge silencer to be field mounted to discharge collar, shipped loose
- 22 GA perforated liner over fiberglass insulation.
- Fiberglass insulation wrapped with polymer film @ 1/2" acoustic standoff.

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 267944-K
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/23/2022
DESCRIPTION: Series Fan Powered Terminal Unit
FDC-1-3//I//60/16/CFM/650/2000/115/ECM/HTF/2000/LH/FB1/FLD/PS/////WC/S/1ROW///0.0/////////////////SLR-PL///MERV3/////////BASV/115-24V/////////////6000

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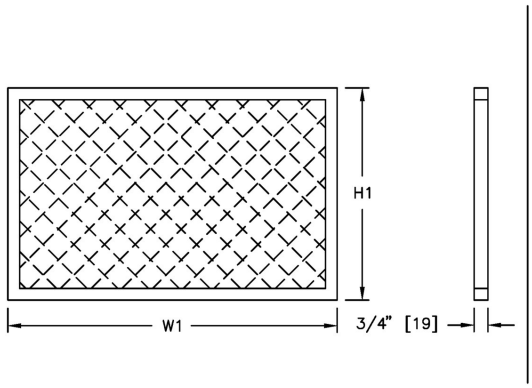
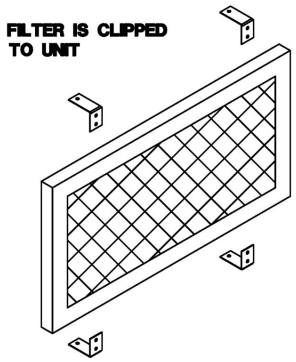
Filter MERV3

1" MERV3 Return-Air Filter





- Cardboard frame
- 1" (25) Nominal Filter Media
- Merv 3 Rating
- Filter clipped to unit

UNIT SIZE	W1 (Width)	H1 (Height)
60	15 3/4	19 7/8

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 267944-K
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/23/2022
DESCRIPTION: Series Fan Powered Terminal Unit
FDC-1-3//I//60/16/CFM/650/2000/115/ECM/HTF/2000/LH/FB1/FLD/PS/////WC/S/1ROW///0.0/////////////////SLR-PL///MERV3/////////BASV/115-24V/////////////6000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

All-In-One
Detailed Submittal Schedule
Terminals

Model	Tag	Unit Size	Max Primary (CFM)	Min Primary (CFM)	Reheat (CFM)	Inlet SP (in. w.g.)	Downstream SP (in. w.g.)	Min Oper PD (in. w.g.)	Max Rad NC	Max Dis NC	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	WC Capacity (MBH)	Glycol %	Rows	Fluid Flow (GPM)	FPD (ft. w.g.)	Max Coil APD (in. w.g.)	Acc. 2
SDV	VAV-1-1-1	12	960	910	960	1.00	0.25	0.25	--	--	55.00	90.00	180.00	141.00	36.50	30.00	2R	2.03	1.35	0.24	CRH
SDV	VAV-1-1-2	12	960	915	960	1.00	0.25	0.25	--	--	55.00	90.00	180.00	141.00	36.50	30.00	2R	2.03	1.35	0.24	CRH
SDV	VAV-1-1-3	12	920	920	920	1.00	0.25	0.24	--	--	55.00	90.00	180.00	140.10	34.90	30.00	2R	1.90	1.20	0.23	CRH
SDV	VAV-1-1-4	12	920	900	920	1.00	0.25	0.24	--	--	55.00	90.00	180.00	140.10	34.90	30.00	2R	1.90	1.20	0.23	CRH
SDV	VAV-1-1-5	9	680	300	680	1.00	0.25	0.24	--	--	55.00	90.00	180.00	145.00	25.90	30.00	2R	1.61	0.72	0.23	CRH
SDV	VAV-1-1-6	7	480	240	480	1.00	0.25	0.30	--	25 (2)	55.00	90.00	180.00	151.00	18.30	30.00	2R	1.37	0.42	0.24	CRH
SDV	VAV-1-1-7	7	400	255	400	1.00	0.25	0.21	--	22 (2)	55.00	90.00	180.00	144.70	15.30	30.00	2R	0.94	0.22	0.17	CRH
SDV	VAV-1-1-8	10	860	545	860	1.00	0.25	0.35	--	--	55.00	90.00	180.00	149.40	32.60	30.00	2R	2.31	1.37	0.34	CRH
SDV	VAV-1-1-9	10	860	545	860	1.00	0.25	0.35	--	--	55.00	90.00	180.00	149.40	32.60	30.00	2R	2.31	1.37	0.34	CRH
SDV	VAV-1-1-10	6	280	280	280	1.00	0.25	0.20	--	28 (2)	55.00	90.00	180.00	145.90	10.70	30.00	2R	0.68	0.10	0.13	CRH
SDV	VAV-1-1-11	7	440	260	440	1.00	0.25	0.25	--	24 (2)	55.00	90.00	180.00	149.60	16.80	30.00	2R	1.20	0.34	0.20	CRH
SDV	VAV-1-1-12	12	960	910	960	1.00	0.25	0.25	--	--	55.00	90.00	180.00	120.30	36.30		2R	1.25	0.50	0.24	CRH
SDV	VAV-1-1-13	12	1160	1070	1160	1.00	0.25	0.35	--	--	55.00	90.00	180.00	144.60	44.00	30.00	2R	2.70	2.23	0.34	CRH
SDV	VAV-1-1-14	12	1160	1070	1160	1.00	0.25	0.35	--	--	55.00	90.00	180.00	144.60	44.00	30.00	2R	2.70	2.23	0.34	CRH
SDV	VAV-1-1-15	12	920	890	920	1.00	0.25	0.24	--	--	55.00	90.00	180.00	140.10	34.90	30.00	2R	1.90	1.20	0.23	CRH
SDV	VAV-1-1-16	6	450	320	320	1.00	0.25	0.46	22 (2)	28 (2)	55.00	90.00	180.00	150.00	12.20	30.00	2R	0.88	0.15	0.28	CRH
SDV	VAV-1-1-17	12	1200	1180	1200	1.00	0.25	0.37	--	--	55.00	90.00	180.00	145.30	45.50	30.00	2R	2.85	2.46	0.36	CRH
SDV	VAV-1-1-18	14	1400	1345	1400	1.00	0.25	0.26	--	--	55.00	90.00	180.00	140.00	53.10	30.00	2R	2.89	1.14	0.25	CRH
SDV	VAV-1-1-18A	5	160	112	160	1.00	0.25	0.06	--	24 (2)	55.00	90.00	180.00	134.10	6.10	30.00	2R	0.29	0.03	0.05	CRH
SDV	VAV-1-1-19	12	1160	1030	1160	1.00	0.25	0.35	--	--	55.00	90.00	180.00	144.60	44.00	30.00	2R	2.70	2.23	0.34	CRH
SDV	VAV-1-1-20	12	1200	1050	1200	1.00	0.25	0.37	--	--	55.00	90.00	180.00	145.30	45.50	30.00	2R	2.85	2.46	0.36	CRH
SDV	VAV-1-1-21	16	2250	1700	2250	1.00	0.25	0.21	20 (3)	--	55.00	90.00	180.00	125.50	85.30	30.00	2R	3.42	2.03	0.20	CRH
SDV	VAV-1-1-22	9	660	365	660	1.00	0.25	0.23	--	--	55.00	90.00	180.00	144.40	25.10	30.00	2R	1.53	0.66	0.22	CRH
SDV	VAV-1-1-23	9	660	365	660	1.00	0.25	0.23	--	--	55.00	90.00	180.00	144.40	25.10	30.00	2R	1.53	0.66	0.22	CRH
SDV	VAV-1-1-24	12	920	460	660	1.00	0.25	0.24	--	--	55.00	90.00	180.00	134.40	25.10	30.00	2R	1.20	0.55	0.23	CRH
SDV	VAV-1-1-25	12	960	890	960	1.00	0.25	0.25	--	--	55.00	90.00	180.00	141.00	36.50	30.00	2R	2.03	1.35	0.24	CRH
SDV	VAV-1-1-26	12	1080	890	1080	1.00	0.25	0.31	--	--	55.00	90.00	180.00	143.30	41.00	30.00	2R	2.42	1.84	0.30	CRH
SDV	VAV-1-1-27	9	640	325	640	1.00	0.25	0.22	--	--	55.00	90.00	180.00	143.80	24.30	30.00	2R	1.46	0.61	0.21	CRH
SDV	VAV-1-1-28	7	480	460	480	1.00	0.25	0.30	--	25 (2)	55.00	90.00	180.00	151.00	18.30	30.00	2R	1.37	0.42	0.24	CRH
SDV	VAV-1-2-1	12	1240	910	1240	1.00	0.25	0.39	--	--	55.00	90.00	180.00	146.10	47.10	30.00	2R	3.02	2.72	0.38	CRH
SDV	VAV-1-2-2	12	920	915	920	1.00	0.25	0.24	--	--	55.00	90.00	180.00	140.10	34.90	30.00	2R	1.90	1.20	0.23	CRH
SDV	VAV-1-2-3	12	920	920	920	1.00	0.25	0.24	--	--	55.00	90.00	180.00	140.10	34.90	30.00	2R	1.90	1.20	0.23	CRH
SDV	VAV-1-2-4	12	920	895	920	1.00	0.25	0.24	--	--	55.00	90.00	180.00	140.10	34.90	30.00	2R	1.90	1.20	0.23	CRH
SDV	VAV-1-2-5	10	800	290	800	1.00	0.25	0.31	--	--	55.00	90.00	180.00	148.10	30.40	30.00	2R	2.07	1.13	0.30	CRH
SDV	VAV-1-2-6	12	1180	275	1180	1.00	0.25				55.00	90.00	180.00	145.00	44.70	30.00	2R	2.78	2.34		CRH
SDV	VAV-1-2-7	12	1100	230	1100	1.00	0.25	0.32	--	--	55.00	90.00	180.00	143.70	41.80	30.00	2R	2.50	1.94	0.31	CRH
SDV	VAV-1-2-8	12	1290	315	1290	1.00	0.25	0.41	--	--	55.00	90.00	180.00	146.80	48.90	30.00	2R	3.20	3.02	0.40	CRH
SDV	VAV-1-2-9	12	1290	315	1290	1.00	0.25	0.41	--	--	55.00	90.00	180.00	146.80	48.90	30.00	2R	3.20	3.02	0.40	CRH
SDV	VAV-1-2-10	5	200	200	200	1.00	0.25	0.04	--	28 (2)	55.00	90.00	180.00	171.70	7.70	30.00	1R	1.99	2.29	0.03	CRH
SDV	VAV-1-2-11	7	440	220	440	1.00	0.25	0.25	--	24 (2)	55.00	90.00	180.00	149.60	16.80	30.00	2R	1.20	0.34	0.20	CRH
SDV	VAV-1-2-12	7	360	130	360	1.00	0.25	0.18	--	21 (2)	55.00	90.00	180.00	141.40	13.70	30.00	2R	0.77	0.16	0.15	CRH
SDV	VAV-1-2-13	12	1280	910	1280	1.00	0.25	0.41	--	--	55.00	90.00	180.00	146.70	48.60	30.00	2R	3.17	2.96	0.40	CRH
SDV	VAV-1-2-14	14	1520	1070	1520	1.00	0.25	0.30	--	--	55.00	90.00	180.00	141.60	57.70	30.00	2R	3.27	1.41	0.29	CRH
SDV	VAV-1-2-15	14	1480	1070	1480	1.00	0.25	0.29	--	--	55.00	90.00	180.00	141.10	56.20	30.00	2R	3.14	1.32	0.28	CRH
SDV	VAV-1-2-16	12	920	895	920	1.00	0.25	0.24	--	--	55.00	90.00	180.00	140.10	34.90	30.00	2R	1.90	1.20	0.23	CRH
SDV	VAV-1-2-17	12	1080	975	1080	1.00	0.25	0.31	--	--	55.00	90.00	180.00	143.30	41.00	30.00	2R	2.42	1.84	0.30	CRH
SDV	VAV-1-2-18	12	1080	850	1080	1.00	0.25	0.31	--	--	55.00	90.00	180.00	143.30	41.00	30.00	2R	2.42	1.84	0.30	CRH
SDV	VAV-1-2-19	12	1040	885	1040	1.00	0.25	0.29	--	--	55.00	90.00	180.00	142.60	39.50	30.00	2R	2.29	1.67	0.28	CRH
SDV	VAV-1-2-20	14	1360	1170	1360	1.00	0.25	0.25	--	--	55.00	90.00	180.00	139.50	51.60	30.00	2R	2.77	1.06	0.24	CRH
SDV	VAV-1-2-21	12	1200	1170	1200	1.00	0.25	0.37	--	--	55.00	90.00	180.00	145.30	45.50	30.00	2R	2.85	2.46	0.36	CRH
SDV	VAV-1-2-22	12	920	400	920	1.00	0.25	0.24	--	--	55.00	90.00	180.00	140.10	34.90	30.00	2R	1.90	1.20	0.23	CRH
SDV	VAV-1-2-23	10	840	400	840	1.00	0.25	0.34	--	--	55.00	90.00	180.00	149.00	31.90	30.00	2R	2.24	1.30	0.33	CRH
SDV	VAV-1-2-24	10	840	420	840	1.00	0.25	0.34	--	--	55.00	90.00	180.00	149.00	31.90	30.00	2R	2.24	1.30	0.33	CRH
SDV	VAV-1-2-25	12	1000	690	1000	1.00	0.25	0.27	--	--	55.00	90.00	180.00	141.80	38.00	30.00	2R	2.16	1.51	0.26	CRH
SDV	VAV-2-1-1	7	400	345	400	1.00	0.25	0.21	--	22 (2)	55.00	90.00	180.00	144.70	15.30	30.00	2R	0.94	0.22	0.17	CRH
SDV	VAV-2-1-2	7	480	475	480	1.00	0.25	0.30	--	25 (2)	55.00	90.00	180.00	151.00	18.30	30.00	2R	1.37	0.42	0.24	CRH
SDV	VAV-2-1-3	8	520	490	520	1.00	0.25	0.28	--	20 (2)	55.00	90.00	180.00	152.30	19.80	30.00	2R	1.55	0.53	0.27	CRH
SDV	VAV-2-1-4	12	1080	660	1080	1.00	0.25	0.31	--	--	55.00	90.00	180.00	143.30	41.00	30.00	2R	2.42	1.84	0.30	CRH
SDV	VAV-2-1-5	7	400	165	400	1.00	0.25	0.21	--	22 (2)	55.00	90.00	180.00	144.70	15.30	30.00	2R	0.94	0.22	0.17	CRH
SDV	VAV-2-1-6	24x16	3000	550	3000	1.00	0.25	0.34	24 (3)	21 (3)	55.00	90.00	180.00	130.20	113.60	30.00	2R	4.98	3.96	0.33	CRH
SDV	VAV-2-1-7	8	560	120	560	1.00	0.25				55.00	90.00	180.00	153.70	21.30	30.00	2R	1.75	0.66		CRH
SDV	VAV-2-1-8	10	720	370	720	1.00	0.25	0.26	--	--	55.00	90.00	180.00	146.10	27.40	30.00	2R	1.75	0.84	0.25	CRH
SDV	VAV-2-1-9	5	200	35	200	1.00	0.25	0.04	--	28 (2)	55.00	90.00	180.00	171.70	7.70	30.00	1R	1.99	2.29	0.03	CRH
SDV	VAV-2-1-10	16	1600	580	1600	1.00	0.25	0.23	--	--	55.00	90.00	180.00	136.20	60.70	30.00	2R	3.01	1.31	0.22	CRH
SDV	VAV-2-1-11	4	120	45	120	1.00	0.25	0.04	--	26 (2)	55.00	90.00	180.00	129.20	4.60	30.00	2R	0.20	0.02	0.03	CRH
SDV	VAV-2-1-12	7	400	145	400	1.00	0.25	0.30	--	22 (2)	55.00	90.00	180.00	117.10	15.20	30.00	3R	0.53	0.10	0.26	CRH
SDV	VAV-2-1-13	7	400	150	160	1.00	0.25	0.21	--	22 (2)	55.00	90.00	180.00	126.10	6.20	30.00	2R	0.25	0.03	0.17	CRH
SDV	VAV-2-1-14	16	1800	1500	1800	1.00	0.25	0.28	--	--	55.00	90.00	180.00	138.30	68.30	30.00	2R	3.56	1.76	0.27	CRH
SDV	VAV-2-1-15	5	200	100	200	1.00	0.25	0.08	--	28 (2)	55.00	90.00	180.00	138.50	7.60	30.00	2R	0.40	0.03	0.07	CRH
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Model	Tag	Unit Size	Max Primary (CFM)	Min Primary (CFM)	Reheat (CFM)	Inlet SP (in. w.g.)	Downstream SP (in. w.g.)	Min Oper PD (in. w.g.)	Max Rad NC	Max Dis NC	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	WC Capacity (MBH)	Glycol %	Rows	Fluid Flow (GPM)	FPD (ft. w.g.)	Max Coil APD (in. w.g.)	Acc. 2
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SDV	VAV-2-2-1	5	200	0	200	1.00	0.25	0.08	--	28 (2)	55.00	90.00	180.00	138.50	7.60	30.00	2R	0.40	0.03	0.07	CRH
SDV	VAV-2-2-2	12	1000	870	1000	1.00	0.25	0.27	--	--	55.00	90.00	180.00	141.80	38.00	30.00	2R	2.16	1.51	0.26	CRH
SDV	VAV-2-2-3	12	1200	895	1200	1.00	0.25	0.37	--	--	55.00	90.00	180.00	145.30	45.50	30.00	2R	2.85	2.46	0.36	CRH
SDV	VAV-2-2-4	12	1320	895	1320	1.00	0.25	0.43	--	--	55.00	90.00	180.00	147.40	50.10	30.00	2R	3.33	3.24	0.42	CRH
SDV	VAV-2-2-5	10	880	810	880	1.00	0.25	0.36	--	--	55.00	90.00	180.00	149.90	33.40	30.00	2R	2.40	1.47	0.35	CRH
SDV	VAV-2-2-6	12	1320	900	1320	1.00	0.25	0.43	--	--	55.00	90.00	180.00	147.40	50.10	30.00	2R	3.33	3.24	0.42	CRH
SDV	VAV-2-2-7	12	1040	1020	1040	1.00	0.25	0.29	--	--	55.00	90.00	180.00	142.60	39.50	30.00	2R	2.29	1.67	0.28	CRH
SDV	VAV-2-2-8	12	1040	1020	1040	1.00	0.25	0.29	--	--	55.00	90.00	180.00	142.60	39.50	30.00	2R	2.29	1.67	0.28	CRH
SDV	VAV-2-2-9	12	1160	905	1160	1.00	0.25	0.35	--	--	55.00	90.00	180.00	144.60	44.00	30.00	2R	2.70	2.23	0.34	CRH
SDV	VAV-2-2-10	12	1040	895	1040	1.00	0.25	0.29	--	--	55.00	90.00	180.00	142.60	39.50	30.00	2R	2.29	1.67	0.28	CRH
SDV	VAV-2-2-11	12	1000	895	1000	1.00	0.25	0.27	--	--	55.00	90.00	180.00	141.80	38.00	30.00	2R	2.16	1.51	0.26	CRH
SDV	VAV-2-2-12	10	880	690	880	1.00	0.25	0.36	--	--	55.00	90.00	180.00	149.90	33.40	30.00	2R	2.40	1.47	0.35	CRH
SDV	VAV-2-2-13	8	560	310	560	1.00	0.25	0.32	--	20 (2)	55.00	90.00	180.00	153.70	21.30	30.00	2R	1.75	0.66	0.31	CRH
SDV	VAV-2-2-14	8	560	260	560	1.00	0.25	0.32	--	20 (2)	55.00	90.00	180.00	153.70	21.30	30.00	2R	1.75	0.66	0.31	CRH
SDV	VAV-2-2-15	9	680	510	680	1.00	0.25	0.35	--	--	55.00	90.00	180.00	120.70	25.90	30.00	3R	0.96	0.16	0.34	CRH
SDV	VAV-2-2-16	9	680	510	680	1.00	0.25	0.35	--	--	55.00	90.00	180.00	120.70	25.90	30.00	3R	0.96	0.16	0.34	CRH
SDV	VAV-2-2-17	5	240	130	240	1.00	0.25	0.07	21 (2)	30 (2)	55.00	90.00	180.00	168.50	9.20	30.00	1R	1.73	1.79	0.06	CRH
SDV	VAV-3-1-1	24x16	8340	4305	8340	3.20	0.25	2.77	34 (2)	26 (2)	55.00	90.00	180.00	130.60	315.90	30.00	3R	13.95	12.35	2.76	CRH
SDV	VAV-3-1-2	24x16	8340	4305	8340	3.20	0.25	2.77	34 (2)	26 (2)	55.00	90.00	180.00	130.60	315.90	30.00	3R	13.95	12.35	2.76	CRH
SDV	VAV-3-1-3	7	440	440	440	1.00	0.25	0.25	--	24 (2)	55.00	90.00	180.00	149.60	16.80	30.00	2R	1.20	0.34	0.20	CRH
SDV	VAV-3-1-4	7	480	480	480	1.00	0.25	0.30	--	25 (2)	55.00	90.00	180.00	151.00	18.30	30.00	2R	1.37	0.42	0.24	CRH
SDV	VAV-3-1-5	6	280	85	280	1.00	0.25	0.20	--	28 (2)	55.00	90.00	180.00	145.90	10.70	30.00	2R	0.68	0.10	0.13	CRH
SDV	VAV-3-1-6	10	720	200	720	1.00	0.25				55.00	90.00	180.00	146.10	27.40	30.00	2R	1.75	0.84		CRH
SDV	VAV-3-1-7	10	800	0	800	1.00	0.25	0.31	--	--	55.00	90.00	180.00	148.10	30.40	30.00	2R	2.07	1.13	0.30	CRH
SDV	VAV-3-1-8	4	120	30	120	1.00	0.25				55.00	90.00	180.00	165.40	4.70	30.00	1R	0.69	0.35		CRH
SDV	VAV-3-1-9	4	120	85	120	1.00	0.25	0.02	--	26 (2)	55.00	90.00	180.00	165.40	4.70	30.00	1R	0.69	0.35	0.01	CRH
SDV	VAV-3-1-10B	8	560	365	560	1.00	0.25	0.32	--	20 (2)	55.00	90.00	180.00	153.70	21.30	30.00	2R	1.75	0.66	0.31	CRH
SDV	VAV-3-1-10	7	440	85	440	1.00	0.25	0.25	--	24 (2)	55.00	90.00	180.00	149.60	16.80	30.00	2R	1.20	0.34	0.20	CRH
SDV	VAV-3-1-11	7	480	0	480	1.00	0.25	0.30	--	25 (2)	55.00	90.00	180.00	151.00	18.30	30.00	2R	1.37	0.42	0.24	CRH
SDV	VAV-3-1-12	5	160	0	160	1.00	0.25	0.03	--	24 (2)	55.00	90.00	180.00	168.80	6.20	30.00	1R	1.19	0.92	0.02	CRH
SDV	VAV-3-1-13	24x16	3780	3110	3780	1.00	0.25	0.49	25 (3)	20 (2)	55.00	90.00	180.00	134.40	143.30	30.00	2R	6.84	6.97	0.48	CRH
SDV	VAV-3-1-14	24x16	4180	3295	4180	1.00	0.25	0.58	24 (3)	--	55.00	90.00	180.00	136.30	158.40	30.00	2R	7.89	8.80	0.57	CRH
SDV	VAV-3-1-15	7	400	184	400	1.00	0.25	0.21	--	22 (2)	55.00	90.00	180.00	144.70	15.30	30.00	2R	0.94	0.22	0.17	CRH
SDV	VAV-4-1-1	5	160	160	160	1.00	0.25	0.03	--	24 (2)	55.00	90.00	180.00	168.80	6.20	30.00	1R	1.19	0.92	0.02	CRH
SDV	VAV-4-1-2	7	400	315	400	1.00	0.25	0.21	--	22 (2)	55.00	90.00	180.00	144.70	15.30	30.00	2R	0.94	0.22	0.17	CRH
SDV	VAV-4-1-3	5	160	95	160	1.00	0.25	0.03	--	24 (2)	55.00	90.00	180.00	168.80	6.20	30.00	1R	1.19	0.92	0.02	CRH
SDV	VAV-4-1-4	5	240	140	240	1.00	0.25	0.06	21 (2)	30 (2)	55.00	90.00	180.00	174.00	9.20	30.00	1R	3.32	5.66	0.05	CRH
SDV	VAV-4-1-5	4	120	100	120	1.00	0.25	0.02	--	26 (2)	55.00	90.00	180.00	165.40	4.70	30.00	1R	0.69	0.35	0.01	CRH
SDV	VAV-4-1-6	6	320	130	320	1.00	0.25	0.25	20 (2)	25 (2)	55.00	90.00	180.00	150.00	12.20	30.00	2R	0.88	0.15	0.16	CRH
SDV	VAV-4-1-7	6	280	90	280	1.00	0.25	0.20	--	28 (2)	55.00	90.00	180.00	145.90	10.70	30.00	2R	0.68	0.10	0.13	CRH
SDV	VAV-4-1-8	6	280	90	280	1.00	0.25	0.20	--	28 (2)	55.00	90.00	180.00	145.90	10.70	30.00	2R	0.68	0.10	0.13	CRH
SDV	VAV-4-1-9	8	580	280	580	1.00	0.25	0.33	--	20 (2)	55.00	90.00	180.00	154.40	22.10	30.00	2R	1.87	0.72	0.32	CRH
SDV	VAV-4-1-10	6	280	130	280	1.00	0.25	0.20	--	28 (2)	55.00	90.00	180.00	145.90	10.70	30.00	2R	0.68	0.10	0.13	CRH
SDV	VAV-4-1-11	4	120	50	120	1.00	0.25	0.02	--	26 (2)	55.00	90.00	180.00	165.40	4.70	30.00	1R	0.69	0.35	0.01	CRH
SDV	VAV-4-1-12	4	120	50	120	1.00	0.25	0.02	--	26 (2)	55.00	90.00	180.00	165.40	4.70	30.00	1R	0.69	0.35	0.01	CRH
SDV	VAV-4-1-13	5	160	55	160	1.00	0.25	0.03	--	24 (2)	55.00	90.00	180.00	168.80	6.20	30.00	1R	1.19	0.92	0.02	CRH
SDV	VAV-4-1-14	5	160	55	160	1.00	0.25	0.03	--	24 (2)	55.00	90.00	180.00	168.80	6.20	30.00	1R	1.19	0.92	0.02	CRH
SDV	VAV-4-1-15	5	200	40	200	1.00	0.25	0.04	--	28 (2)	55.00	90.00	180.00	171.70	7.70	30.00	1R	1.99	2.29	0.03	CRH
SDV	VAV-4-1-16	5	240	100	240	1.00	0.25	0.06	21 (2)	30 (2)	55.00	90.00	180.00	174.00	9.20	30.00	1R	3.32	5.66	0.05	CRH
SDV	VAV-4-1-17	8	520	145	520	1.00	0.25	0.28	--	20 (2)	55.00	90.00	180.00	152.30	19.80	30.00	2R	1.55	0.53	0.27	CRH
SDV	VAV-4-1-18	7	440	290	440	1.00	0.25	0.25	--	24 (2)	55.00	90.00	180.00	149.60	16.80	30.00	2R	1.20	0.34	0.20	CRH
SDV	VAV-4-1-19	5	160	50	120	1.00	0.25				55.00	90.00	180.00	165.40	4.70	30.00	1R	0.69	0.35		CRH
SDV	VAV-4-1-20	4	80	40	80	1.00	0.25	0.02	--	--	55.00	90.00	180.00	157.40	3.10	30.00	1R	0.30	0.08	0.01	CRH
SDV	VAV-4-1-21	5	240	40	240	1.00	0.25	0.06	21 (2)	30 (2)	55.00	90.00	180.00	174.00	9.20	30.00	1R	3.32	5.66	0.05	CRH
SDV	VAV-4-1-22	5	240	40	240	1.00	0.25	0.06	21 (2)	30 (2)	55.00	90.00	180.00	174.00	9.20	30.00	1R	3.32	5.66	0.05	CRH
SDV	VAV-4-1-23	5	240	40	240	1.00	0.25	0.06	21 (2)	30 (2)	55.00	90.00	180.00	174.00	9.20	30.00	1R	3.32	5.66	0.05	CRH
SDV	VAV-4-1-24	5	240	40	240	1.00	0.25	0.06	21 (2)	30 (2)	55.00	90.00	180.00	174.00	9.20	30.00	1R	3.32	5.66	0.05	CRH
SDV	VAV-4-1-25	5	240	40	240	1.00	0.25	0.06	21 (2)	30 (2)	55.00	90.00	180.00	174.00	9.20	30.00	1R	3.32	5.66	0.05	CRH
SDV	VAV-4-1-26	6	280	50	280	1.00	0.25	0.20	--	28 (2)	55.00	90.00	180.00	145.90	10.70	30.00	2R	0.68	0.10	0.13	CRH
SDV	VAV-4-1-27	5	200	40	200	1.00	0.25	0.04	--	28 (2)	55.00	90.00	180.00	171.70	7.70	30.00	1R	1.99	2.29	0.03	CRH
SDV	VAV-4-1-28	10	760	235	760	1.00	0.25	0.29	--	--	55.00	90.00	180.00	147.10	28.90	30.00	2R	1.90	0.97	0.28	CRH
SDV	VAV-4-1-29	6	280	200	280	1.00	0.25	0.20	--	28 (2)	55.00	90.00	180.00	145.90	10.70	30.00	2R	0.68	0.10	0.13	CRH
SDV	VAV-4-1-30	4	120	95	120	1.00	0.25	0.02	--	26 (2)	55.00	90.00	180.00	165.40	4.70	30.00	1R	0.69	0.35	0.01	CRH
SDV	VAV-4-1-31	4	40	40	40	1.00	0.25	0.01	--	--	55.00	90.00	180.00	149.10	1.60	30.00	1R	0.11	0.02	0.00	CRH
SDV	VAV-4-1-32	4	40	40	40	1.00	0.25	0.01	--	--	55.00	90.00	180.00	149.10	1.60	30.00	1R	0.11	0.02	0.00	CRH
SDV	VAV-4-1-33	4	40	40	40	1.00	0.25	0.01	--	--	55.00	90.00	180.00	149.10	1.60	30.00	1R	0.11	0.02	0.00	CRH
SDV	VAV-4-1-34	12	1000	765	1000	1.00	0.25	0.27	--	--	55.00	90.00	180.00	141.80	38.00	30.00	2R	2.16	1.51	0.26	CRH
SDV	VAV-4-1-35	10	840	85	840	1.00	0.25	0.34	--	--	55.00	90.00	180.00	149.00	31.90	30.00	2R	2.24	1.30	0.33	CRH
SDV	VAV-4-1-36	5	200	170	200	1.00	0.25	0.04	--	28 (2)	55.00	90.00	180.00	171.70	7.70	30.00	1R	1.99	2.29	0.03	CRH
SDV	VAV-4-1-37	6	280	130	280	1.00	0.25	0.20	--	28 (2)	55.00	90.00	180.00	145.90	10.70	30.00	2R	0.68	0.10	0.13	CRH
SDV	VAV-4-1-38	4	80	40	80	1.00	0.25	0.02	--	--	55.00	90.00	180.00	157.40	3.10	30.00	1R	0.30	0.08	0.01	CRH
[redacted]																					

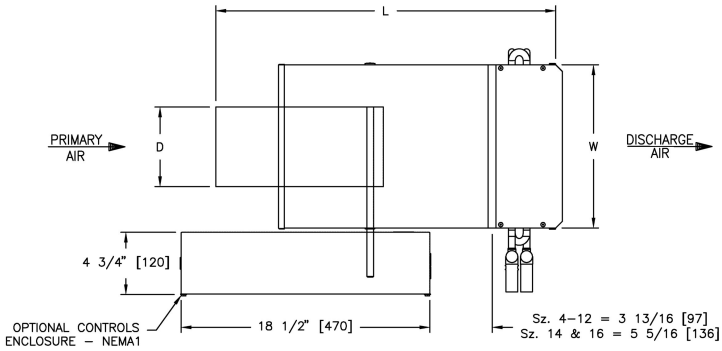
Model	Tag	Unit Size	Max Primary (CFM)	Min Primary (CFM)	Reheat (CFM)	Inlet SP (in. w.g.)	Downstream SP (in. w.g.)	Min Oper PD (in. w.g.)	Max Rad NC	Max Dis NC	EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	WC Capacity (MBH)	Glycol %	Rows	Fluid Flow (GPM)	FPD (ft. w.g.)	Max Coil APD (in. w.g.)	Acc. 2
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Performance Notes

Date Printed: 12/22/2022

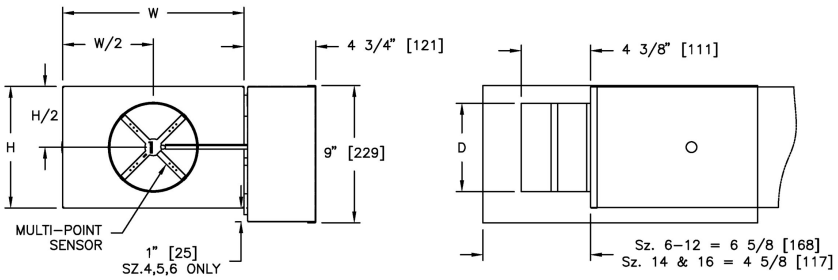
1. Dashes (--) indicate NC values less than 20.
2. NC values are calculated based on procedures outlined in AHRI Standard 885-2008, “A Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets.”
3. Sound power levels are given in decibels (dB).
4. Dashes (--) indicate sound power levels below 36-29-26-22-19-17 for each octave band; values below these sound power levels are considered below significance per AHRI 880.
5. Minimum operating pressure is the minimum static pressure required to operate the terminal item assembly at maximum primary flow with a wide open damper.
6. Airflow is given in cubic feet per minute (cfm).
7. Air pressure drop is given in inches water gauge (in. w.g.), and water pressure drop is given in feet of water gauge (ft. w.g.).
8. NC values are derived from sound power levels obtained in accordance with ASHRAE Standard 130-2016 and AHRI Standard 880-2017, which include duct end reflection corrections.
9. Water coil performance is rated and certified in accordance with the latest edition of AHRI Standard 410.

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
12	12	11 7/8	N/A	16	15	25 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

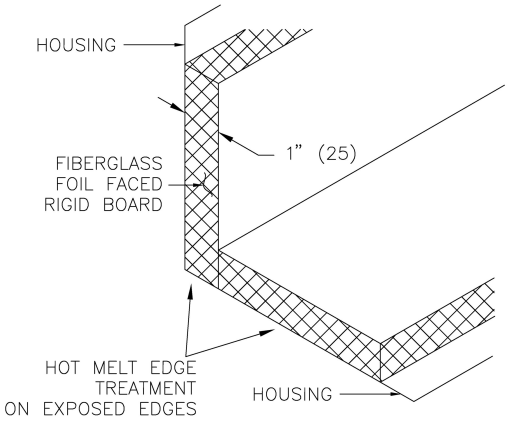
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



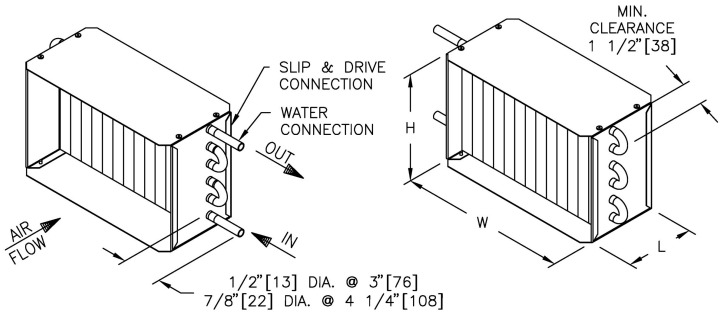
PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume

SDV-1-1//I/12/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////910,915,920,900,1070,890,1180,1030,1050,460,895,275,230,315,975,850,885,1170,400,690,660,870,1020,905,765/960,920,1160,1200,1080,1240,1180,1100,1290,1280,1040,1000,1320/800,320/800,320/960,920,1160,1200,660,1080,1240,1180,1100,1290,1280,1040,1000,1320/ADL/4x6/////////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter

Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
12	2	16	15	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

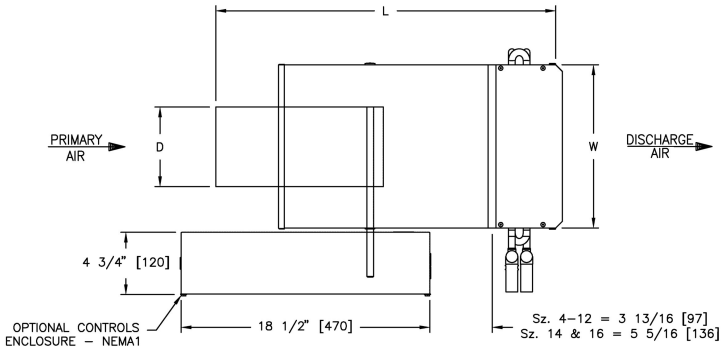
- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

Insulated Access Door c/w Snap Latches

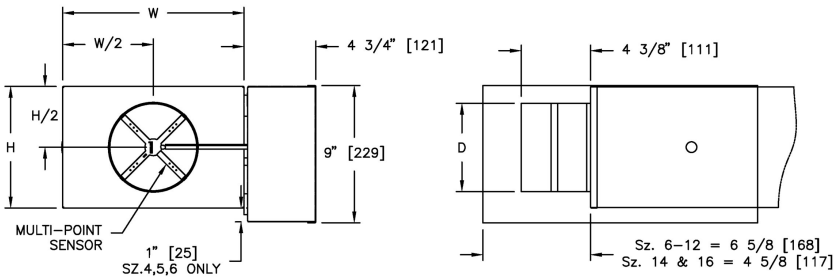
PROJECT: Indian Hill Middle School VAVs
SUBMITTAL NO: 269757-B
SUBMITTAL DATE: 12/22/2022
ENGINEER:
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/12/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////910,915,920,900,1070,890,1180,1030,1050,460,895,275,230,315,975,850,885,1170,400,690,660,870,1020,905,765/960,920,1160,1200,1080,1240,1180,1100,1290,1280,1040,1000,1320/800,320/800,320/960,920,1160,1200,660,1080,1240,1180,1100,1290,1280,1040,1000,1320/ADL/4x6/////////////////////////2000

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
9	10	8 7/8	N/A	14	12 1/2	25 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

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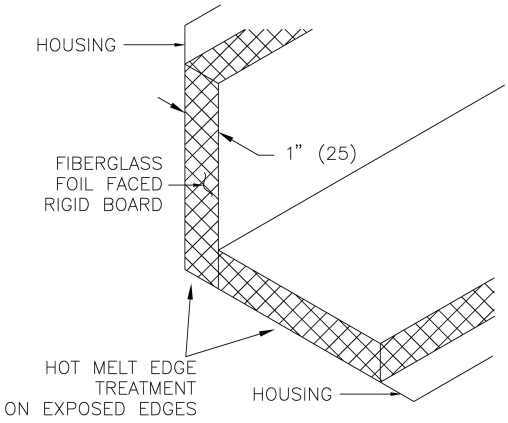
Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16

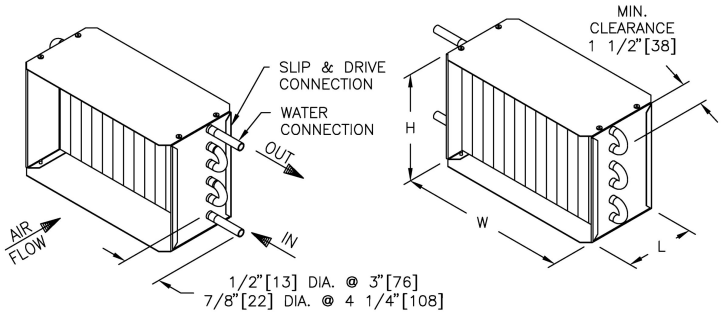


PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/9/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////300,365,325/680,660,640/800,320/800,320/680,660,640/ADL/4x6////// ////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
9	2	14	12 1/2	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

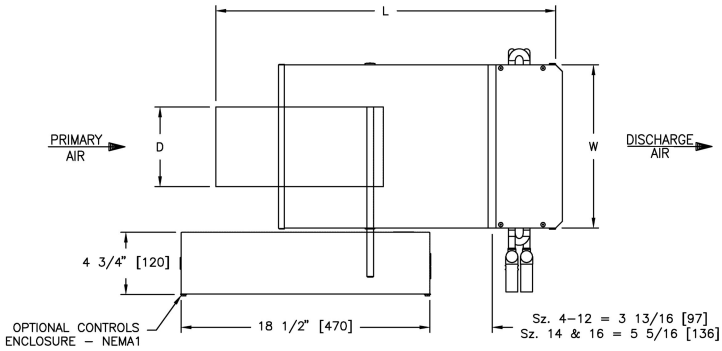
- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

Insulated Access Door c/w Snap Latches

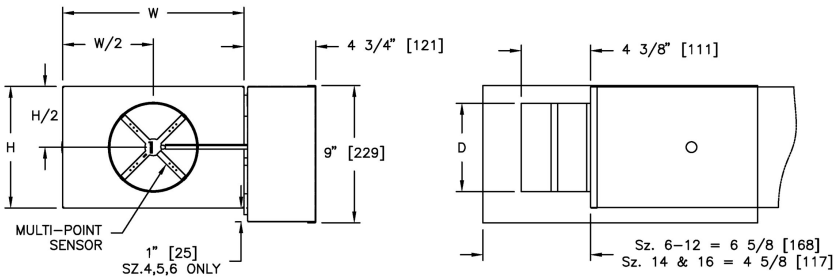
PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/9/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////300,365,325/680,660,640/800,320/800,320/680,660,640/ADL/4x6////// ////////////////////2000

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
7	8	6 7/8	N/A	12	10	25 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
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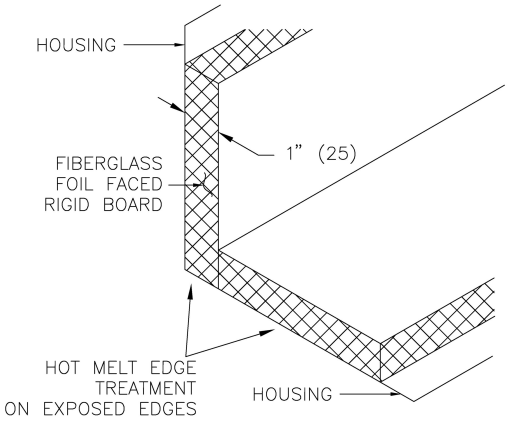
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



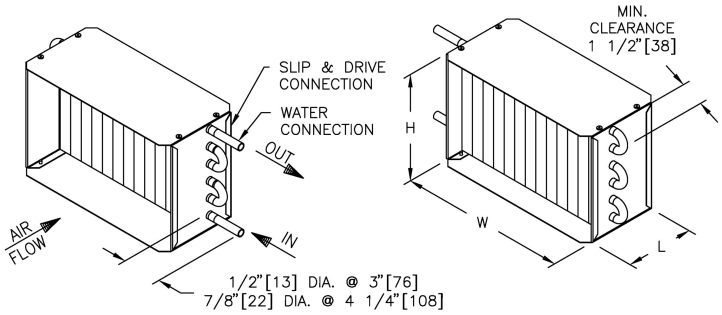
PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume

SDV-1-1//I/7/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////240,255,260,460,220,130,345,475,165,150,140,280,360,115,440,480,85,0,184,315,290,352,484/480,400,440,360,160,280,500/800,320/800,320/480,400,440,360,160,280,500/ADL/4x6////////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
7	2	12	10	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
SUBMITTAL NO: 269757-B
SUBMITTAL DATE: 12/22/2022
ENGINEER:
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume

SDV-1-1//I/7/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////240,255,260,460,220,130,345,475,165,150,140,280,360,115,440,480,85,0,184,315,290,352,484/480,400,440,360,160,280,500/800,320/800,320/480,400,440,360,160,280,500/ADL/4x6//////////////////////////2000

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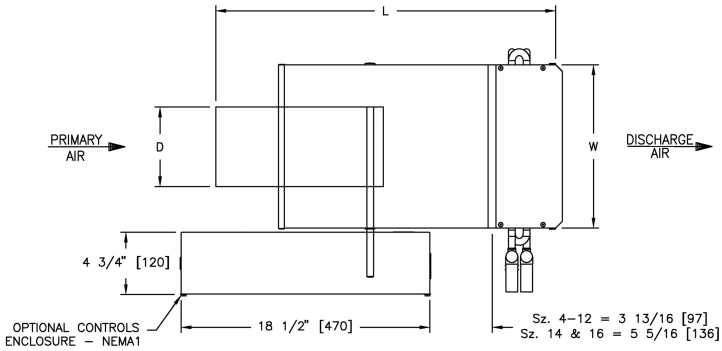
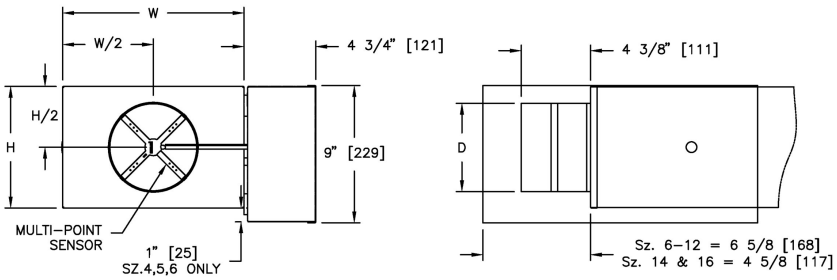
Information within this document is subject to change without notice.

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
10	10	9 7/8	N/A	14	12 1/2	25 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

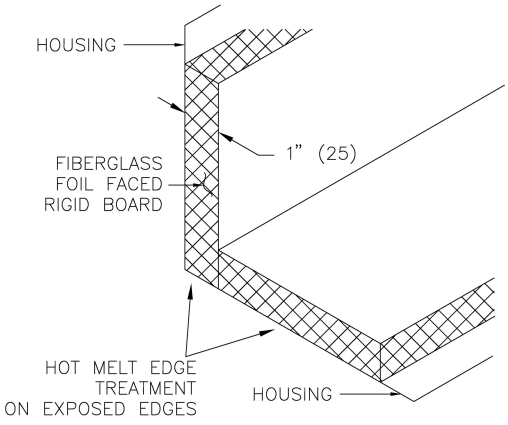
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/10/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////545,290,400,420,370,810,690,200,0,235,85/860,800,840,720,880,760/800,320/800,320/860,800,840,720,880,760/ADL/4x6////////////////////////2000

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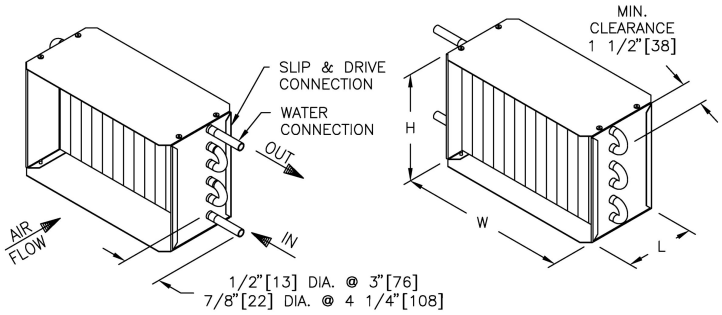
Information within this document is subject to change without notice.

Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
10	2	14	12 1/2	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

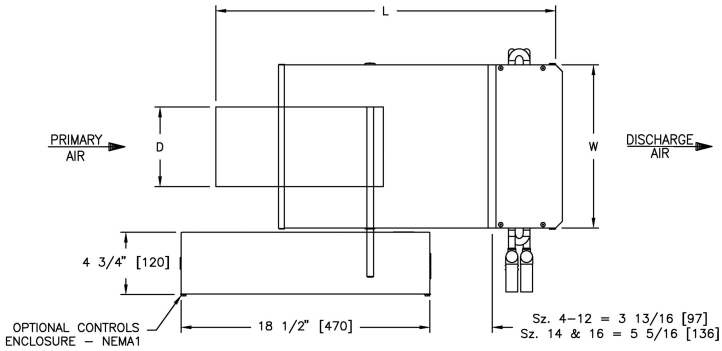
- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

Insulated Access Door c/w Snap Latches

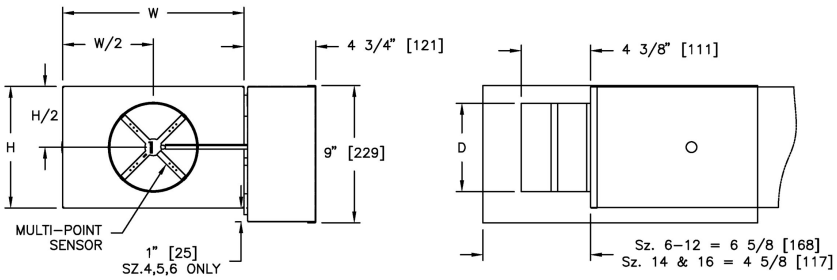
PROJECT: Indian Hill Middle School VAVs **SUBMITTAL NO:** 269757-B **SUBMITTAL DATE:** 12/22/2022
ENGINEER: **CUSTOMER:** Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/10/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////545,290,400,420,370,810,690,200,0,235,85/860,800,840,720,880,760/800,320/800,320/860,800,840,720,880,760/ADL/4x6////////////////////////////2000

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
6	6	5 7/8	N/A	12	8	25 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

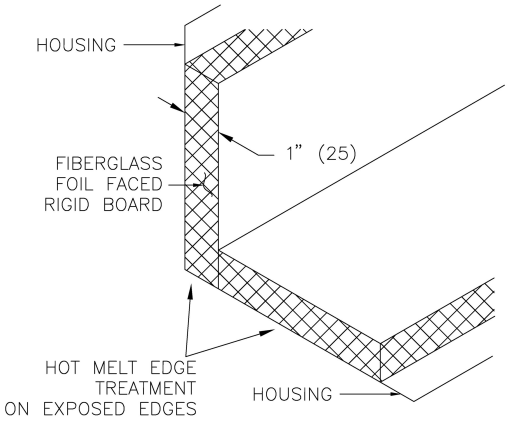
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/6/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////280,320,85,130,90,50,200,252,276/280,450,320,300/320/320/280,320,300/ADL/4x6/////////////////////////2000

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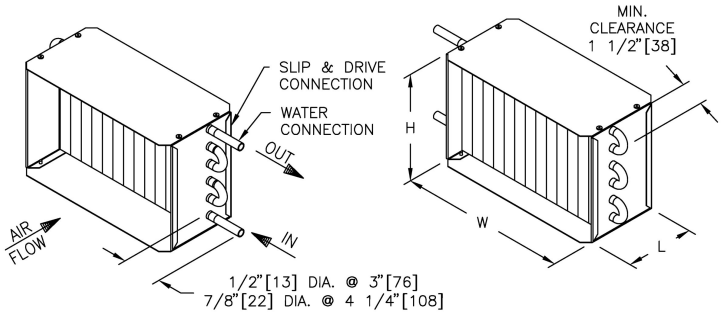
Information within this document is subject to change without notice.

Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
6	2	12	8	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/6/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////280,320,85,130,90,50,200,252,276/280,450,320,300/320/320/280,320,300/ADL/4x6////////////////////////////2000

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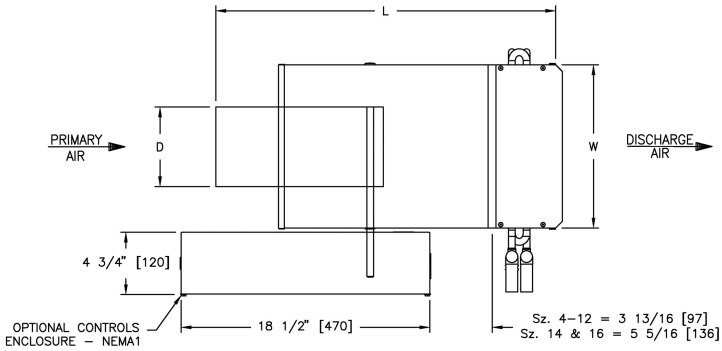
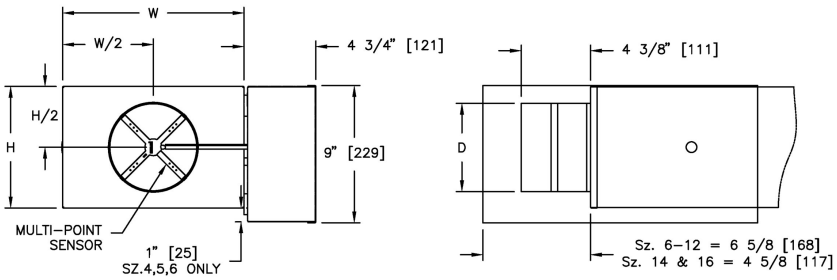
SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
14	14	13 7/8	N/A	20	17 1/2	28 5/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

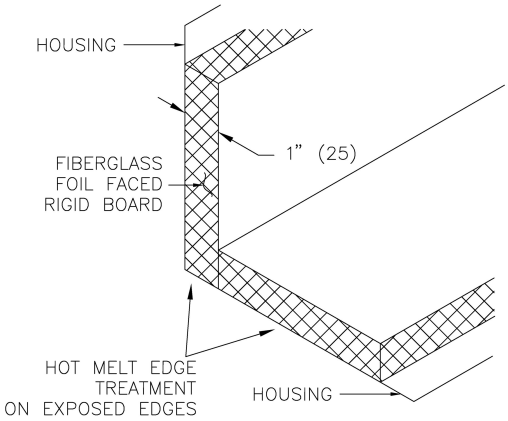
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/14/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0//////////1345,1070,1170/1400,1520,1480,1360/320/320/1400,1520,1480,1360/ADL/4x6////////////////////////////2000

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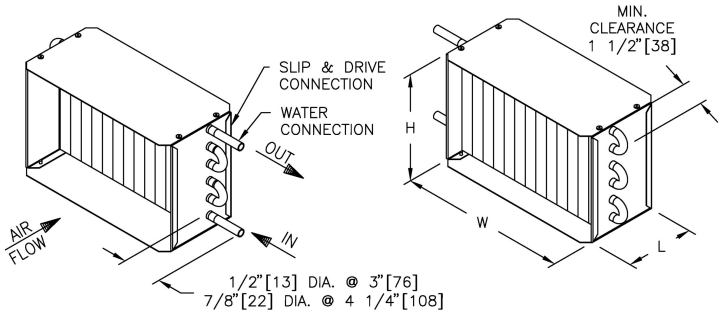
Information within this document is subject to change without notice.

Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
14	2	20	17 1/2	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/14/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0//////////1345,1070,1170/1400,1520,1480,1360/320/320/1400,1520,1480,1360/ADL/4x6////////////////////////////2000

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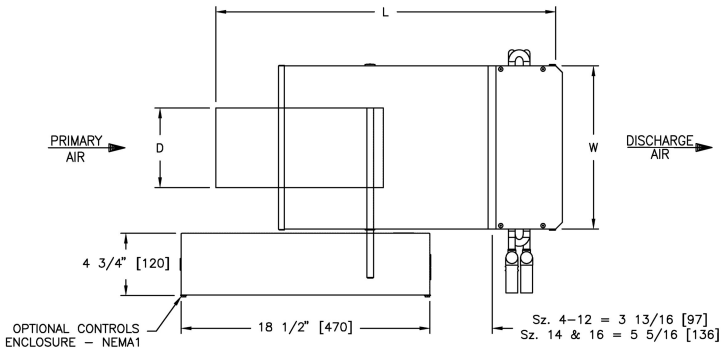
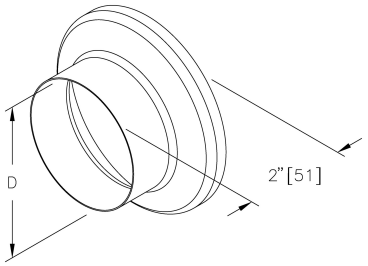
SDV Single Duct w/ Hot Water Coil



Inlet Diameter Reducer Detail

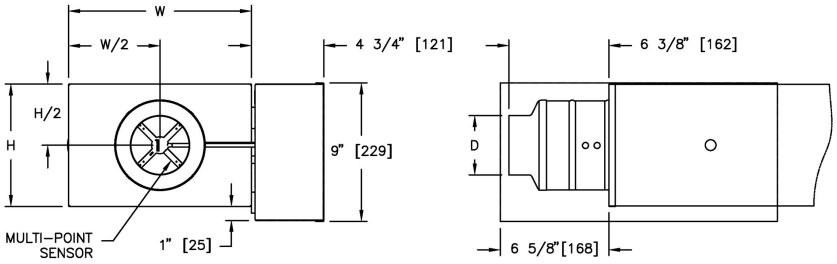


Size 4 and 5 have a 6" diameter duct with inlet reducer as shown

Inlet Reducer Dimensions	
Unit Size	**D**
5	4 7/8

Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
5	6	4 7/8	N/A	12	8	27 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume

SDV-1-1//I/5/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////112,100,0,176/160,200/320/320/160,200/ADL/4x6/////////////////////////2000

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Information within this document is subject to change without notice.

Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

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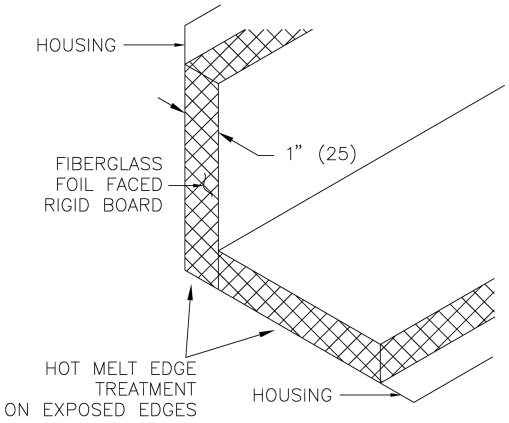
VAV Terminals
AHRI Standard 880

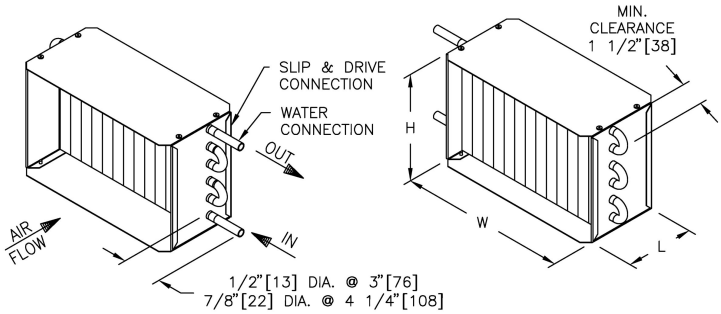
Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
5	2	12	8	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/5/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////112,100,0,176/160,200/320/320/160,200/ADL/4x6/////////////////////////2000

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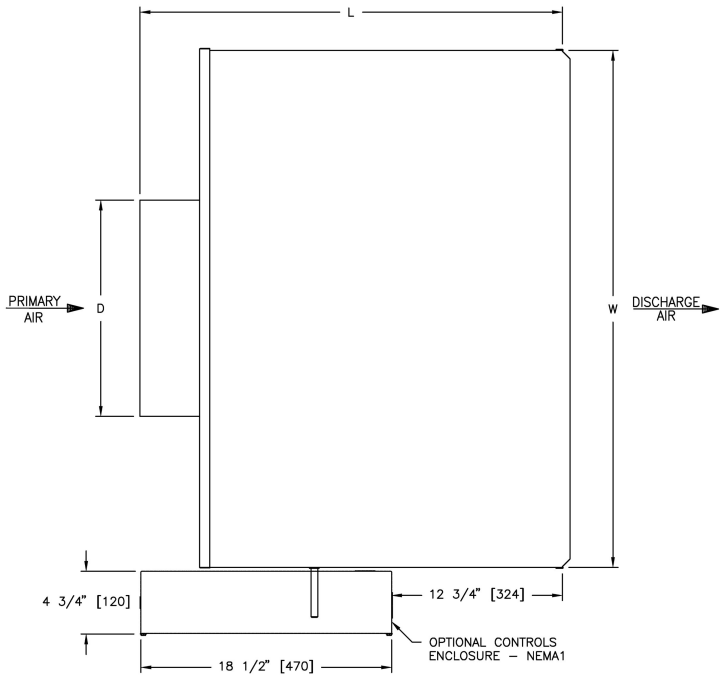
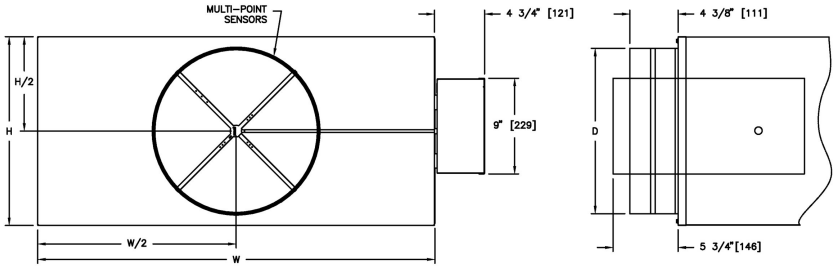
SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
16	24x16	15 7/8	N/A	38	18	24

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/16/FLD///CFM/CRH/FB1//22GA/PS/WC/2R//OS//0.00//////////////0.0/////////1700/2250/320/320/2250/ADL/4x6/////////////////////////2000

Marketing Release version: 2.22.12.1, All In One version: 3.22.12

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- OS - Oversized option included. All accessories to match oversize casing.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

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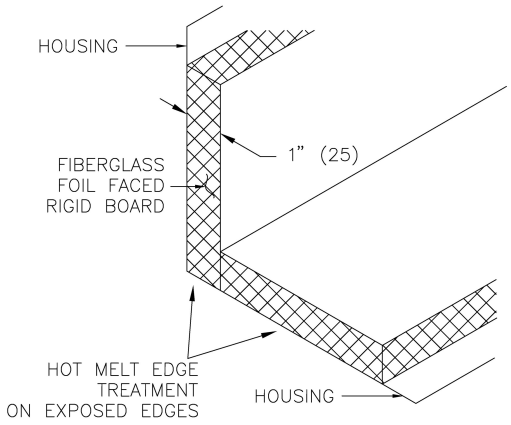
VAV Terminals
AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16

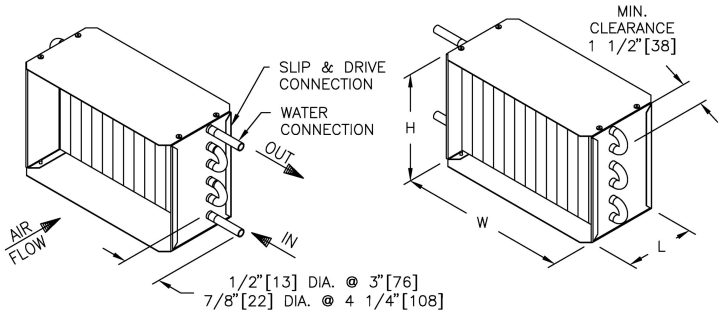


PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/16/FLD///CFM/CRH/FB1//22GA/PS/WC/2R//OS//0.00//////////////0.0/////////1700/2250/320/320/2250/ADL/4x6/////////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
16	2	24	18	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

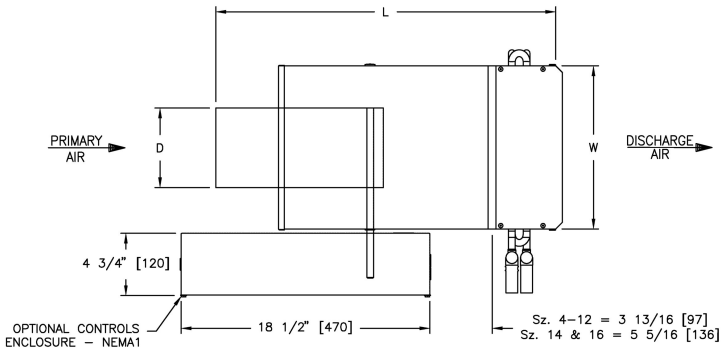
- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

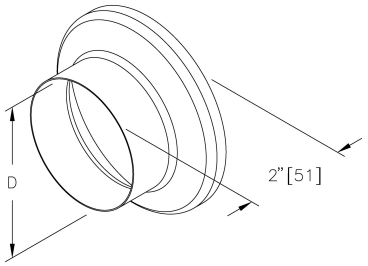
Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/16/FLD///CFM/CRH/FB1//22GA/PS/WC/2R//OS//0.00//////////////0.0/////////1700/2250/320/320/2250/ADL/4x6/////////////////////////2000

SDV Single Duct w/ Hot Water Coil



Inlet Diameter Reducer Detail

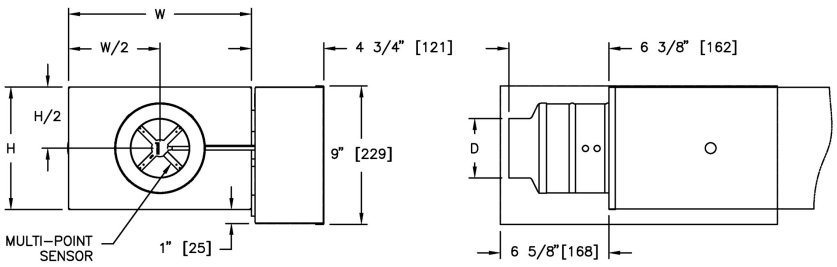


Size 4 and 5 have a 6" diameter duct with inlet reducer as shown

Inlet Reducer Dimensions	
Unit Size	**D**
5	4 7/8

Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
5	6	4 7/8	N/A	12	8	27 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

PROJECT: Indian Hill Middle School VAVs
SUBMITTAL NO: 269757-B
SUBMITTAL DATE: 12/22/2022
ENGINEER:
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/5/FLD///CFM/CRH/FB1//22GA/PS/WC/1R////0.00//////////////0.0/////////200,35,0,160,95,140,55,40,100,50,170/200,160,240/320/320/200,160,240,120/ADL/4x6/////////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

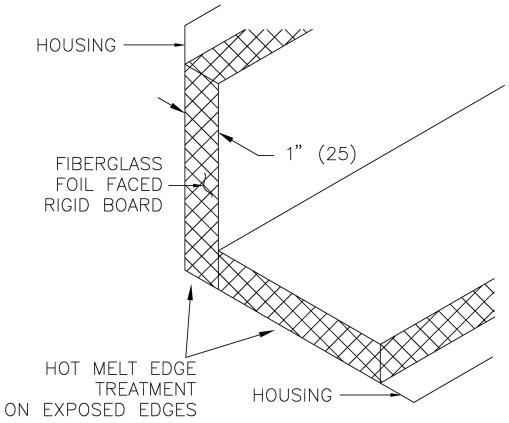
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

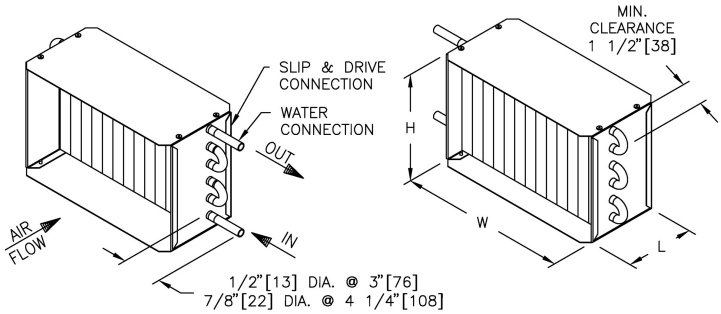
Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



Water Coil: 1R

1 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
5	1	12	8	5	1/2

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

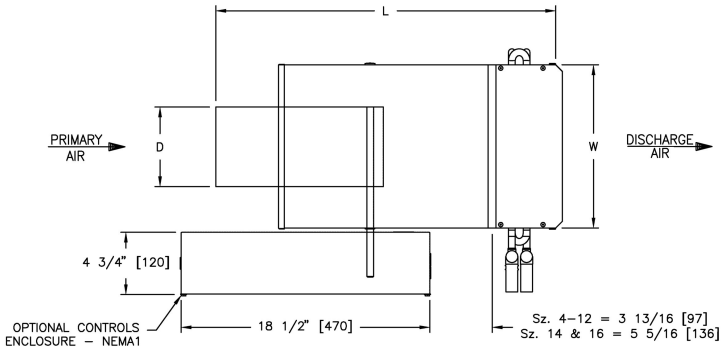
Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
SUBMITTAL NO: 269757-B
SUBMITTAL DATE: 12/22/2022
ENGINEER:
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/5/FLD///CFM/CRH/FB1//22GA/PS/WC/1R////0.00//////////////0.0/////////200,35,0,160,95,140,55,40,100,50,170/200,160,240/320/320/200,160,240,120/ADL/4x6/////////////////////////2000

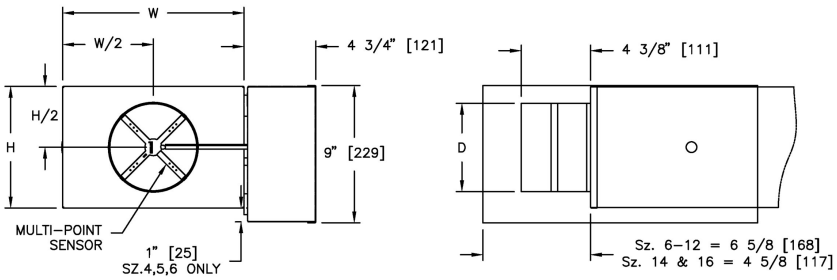
All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
8	8	7 7/8	N/A	12	10	25 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

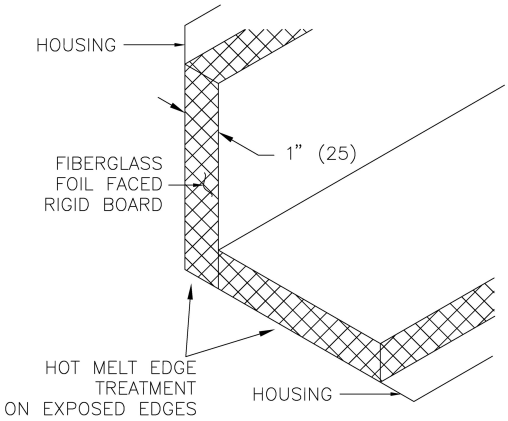
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16

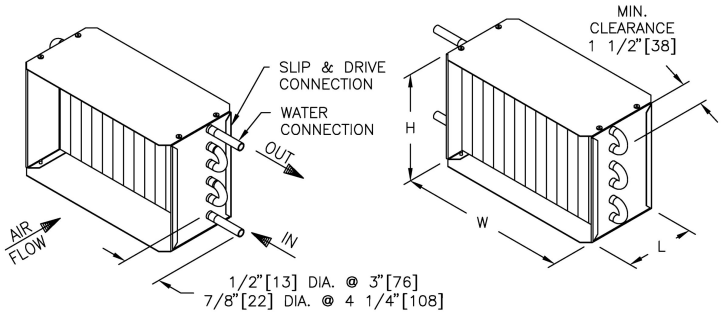


PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/8/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0//////////490,120,310,260,365,280,145,400/520,560,580,600/320/320/520,560,580,480/ADL/4x6////////////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
8	2	12	10	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

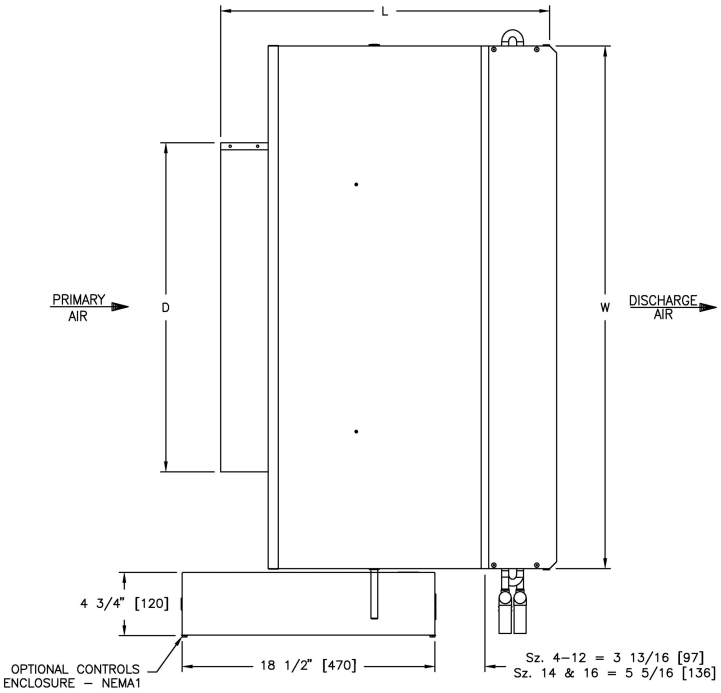
Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/8/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////490,120,310,260,365,280,145,400/520,560,580,600/320/320/520,560,580,480/ADL/4x6//////////////////////////2000

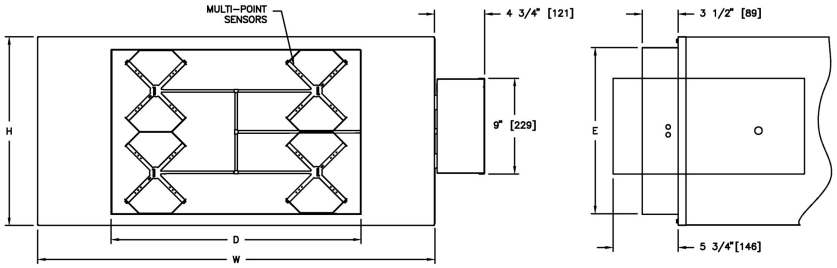
All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
24x16	24x16	23 7/8	15 7/8	38	18	24

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/24x16/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////550,2736,2710,3110,3295,3648/3000,3400,3780,4180,3800/320/320/3000,3400,3780,4180,3800/ADL/4x6/////////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

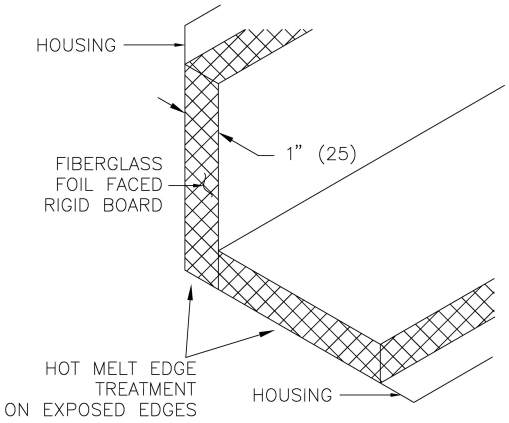
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

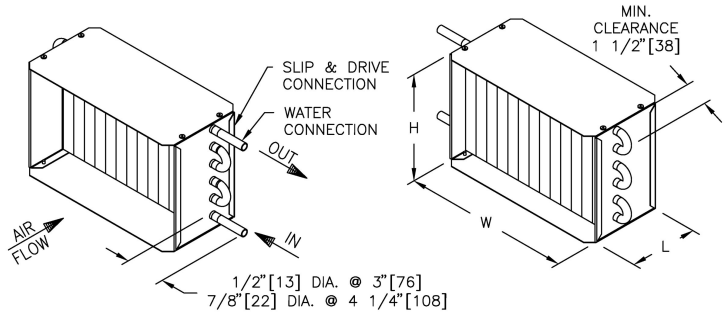
Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
24x16	2	38	18	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

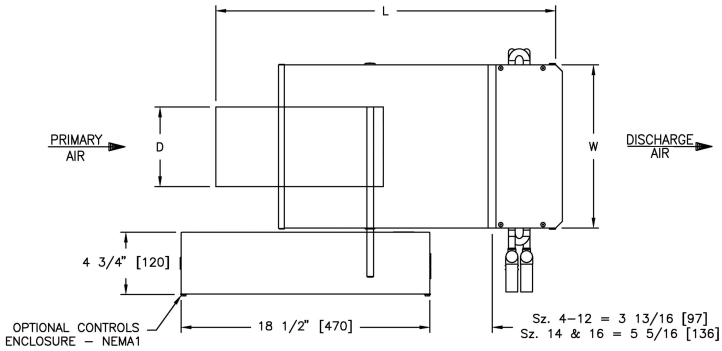
Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs **SUBMITTAL NO:** 269757-B **SUBMITTAL DATE:** 12/22/2022
ENGINEER: **CUSTOMER:** Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/24x16/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////550,2736,2710,3110,3295,3648/3000,3400,3780,4180,3800/320/320/3000,3400,3780,4180,3800/ADL/4x6/////////////////////////2000

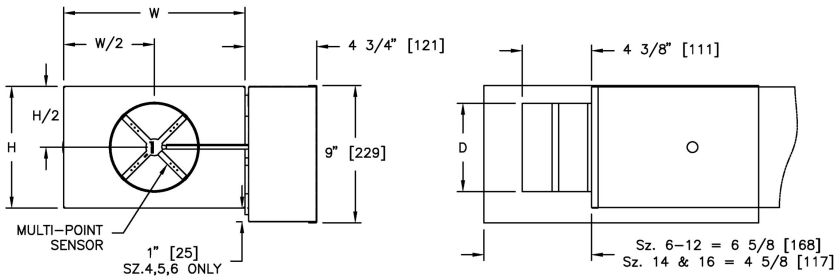
All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
16	16	15 7/8	N/A	24	18	28 5/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

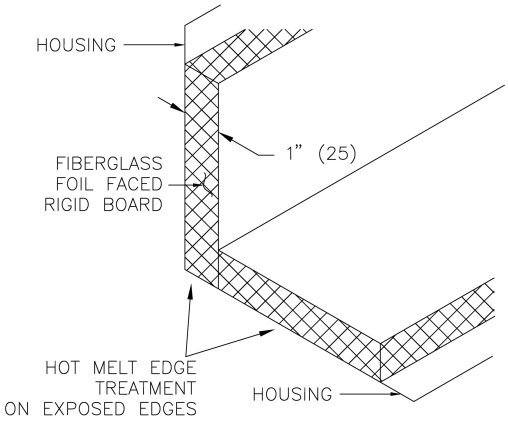
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16

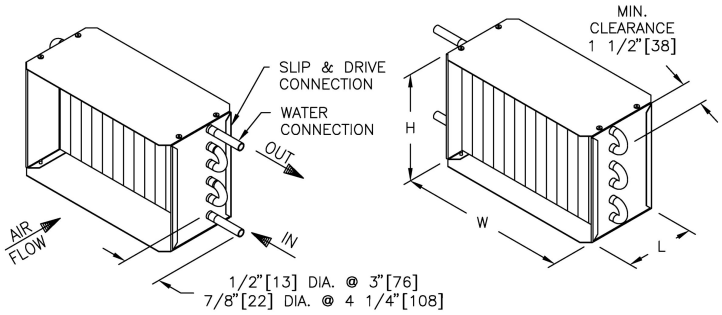


PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/16/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////580,1500/1600,1800/320/320/1600,1800/ADL/4x6////////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
16	2	24	18	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

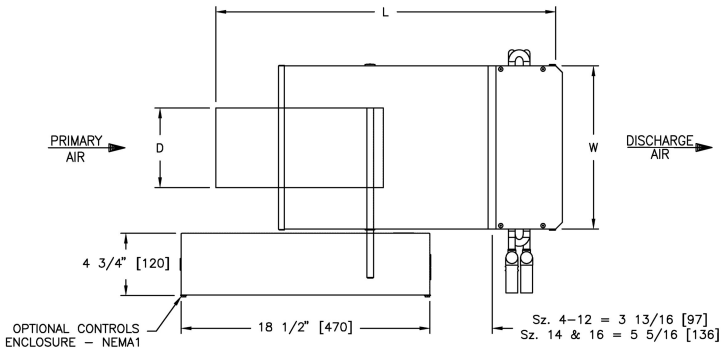
- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

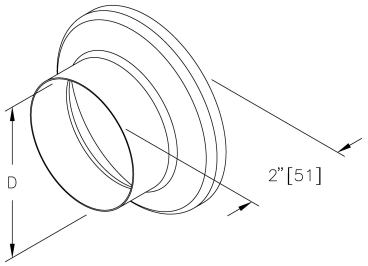
Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/16/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////580,1500/1600,1800/320/320/1600,1800/ADL/4x6/////////////////////////2000

SDV Single Duct w/ Hot Water Coil



Inlet Diameter Reducer Detail

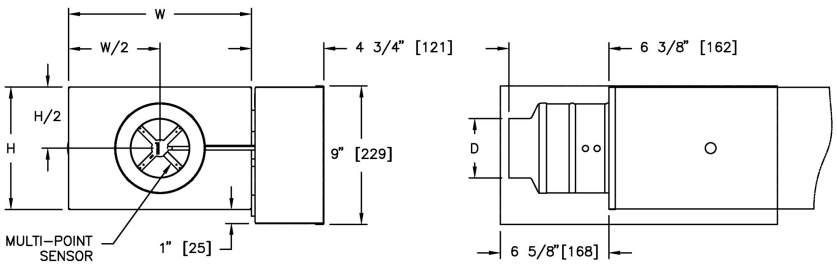


Size 4 and 5 have a 6" diameter duct with inlet reducer as shown

Inlet Reducer Dimensions	
Unit Size	**D**
4	3 7/8

Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
4	6	3 7/8	N/A	12	8	27 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/4/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////45/120/320/320/120/ADL/4x6/////////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

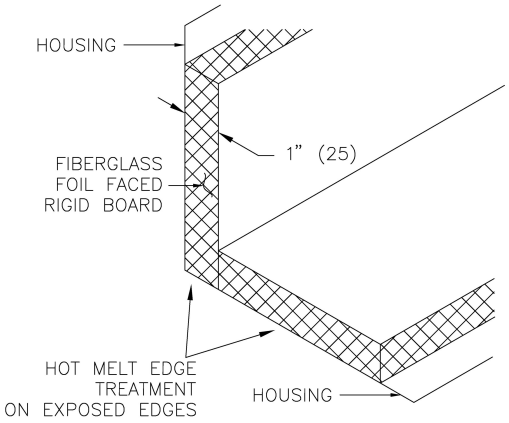
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org
VAV Terminals
AHRI Standard 880

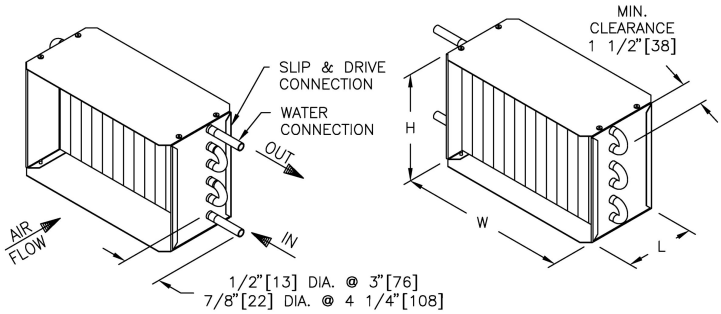
Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



Water Coil: 2R

2 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
4	2	12	8	5	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

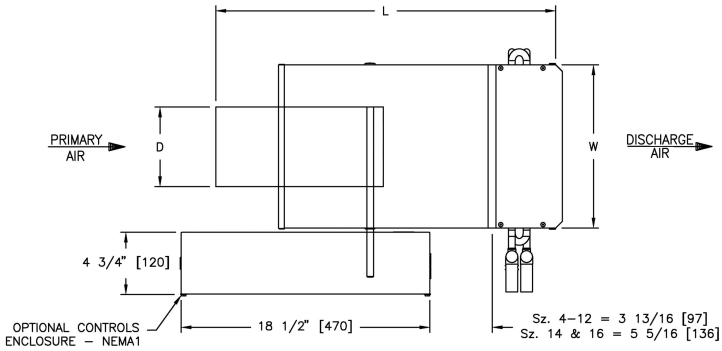
- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

Insulated Access Door c/w Snap Latches

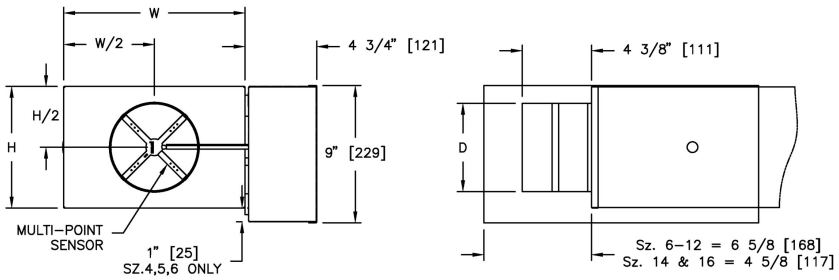
PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/4/FLD///CFM/CRH/FB1//22GA/PS/WC/2R////0.00//////////////0.0/////////45/120/320/320/120/ADL/4x6/////////////////////////2000

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
7	8	6 7/8	N/A	12	10	27 3/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

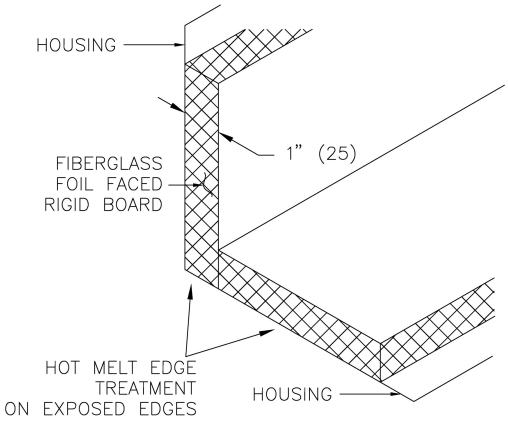
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16

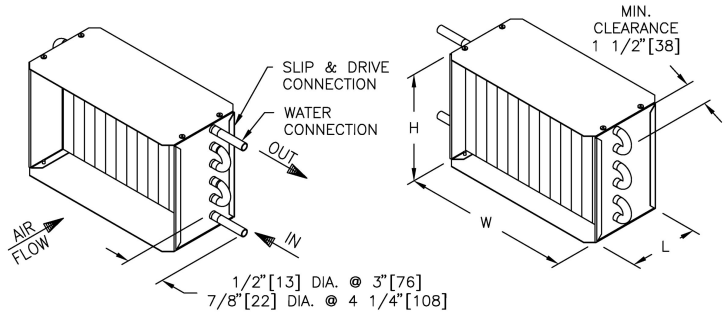


PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/7/FLD///CFM/CRH/FB1//22GA/PS/WC/3R////0.00//////////////0.0/////////145/400/320/320/400/ADL/4x6/////////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

Water Coil: 3R

3 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
7	3	12	10	7 1/4	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.
- 3 and 4 row coils have handing specific configurations, changing handing in the field can impact performance.

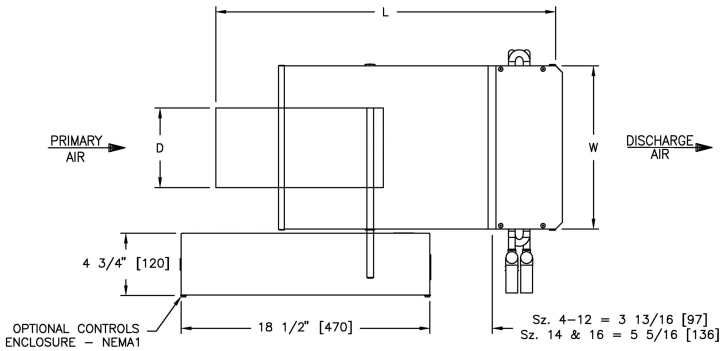
Access Door: ADL

Insulated Access Door c/w Snap Latches

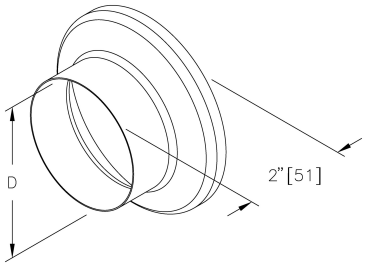
PROJECT: Indian Hill Middle School VAVs
SUBMITTAL NO: 269757-B
SUBMITTAL DATE: 12/22/2022
ENGINEER:
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/7/FLD///CFM/CRH/FB1//22GA/PS/WC/3R////0.00//////////////0.0/////////145/400/320/320/400/ADL/4x6/////////////////////////2000

All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

SDV Single Duct w/ Hot Water Coil



Inlet Diameter Reducer Detail

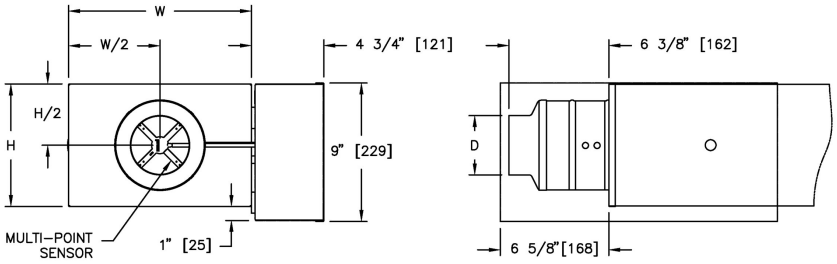


Size 4 and 5 have a 6" diameter duct with inlet reducer as shown

Inlet Reducer Dimensions	
Unit Size	D
4	3 7/8

Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
4	8	3 7/8	N/A	12	10	27 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

PROJECT: Indian Hill Middle School VAVs
SUBMITTAL NO: 269757-B
SUBMITTAL DATE: 12/22/2022
ENGINEER:
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/4/FLD///CFM/CRH/FB1//22GA/PS/WC/1R/HC/OS//0.00//////////////0.0/////////40/120/320/320/120/ADL/4x6/////////////////////////2000

Marketing Release version: 2.22.12.1, All In One version: 3.22.12

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Information within this document is subject to change without notice.

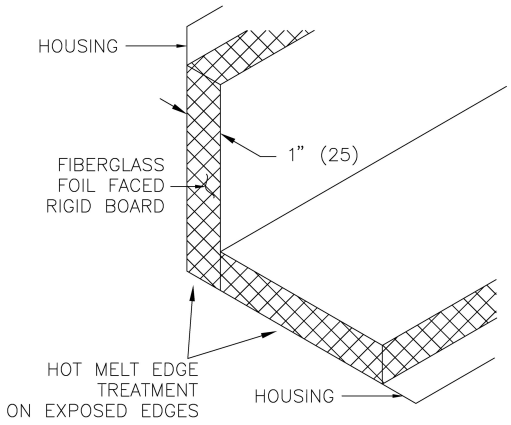
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- OS - Oversized option included. All accessories to match oversize casing.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org
VAV Terminals
AHRI Standard 880

Insulation: FB1

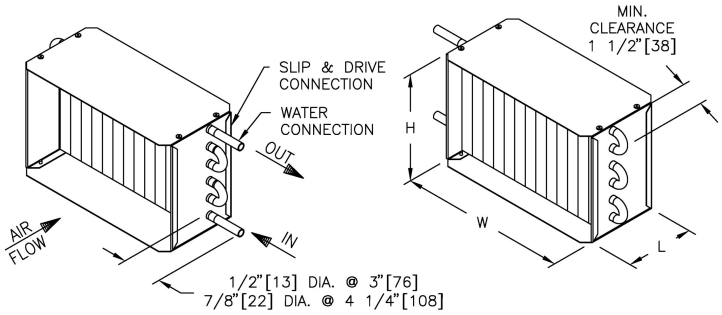
- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/4/FLD///CFM/CRH/FB1//22GA/PS/WC/1R/HC/OS//0.00//////////////0.0/////////40/120/320/320/120/ADL/4x6/////////////////////////2000

High Capacity Water Coil: 1R

1 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
4	1	12	8	5	1/2

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

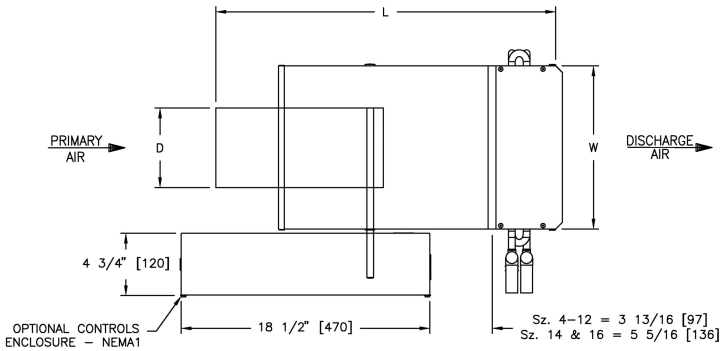
- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- HC - High capacity coils supplied with 12 fins per inch.

Access Door: ADL

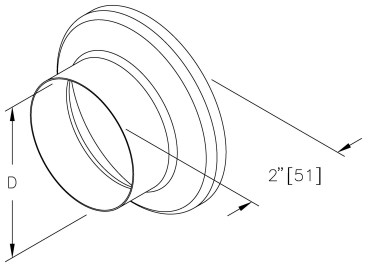
Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/4/FLD///CFM/CRH/FB1//22GA/PS/WC/1R/HC/OS//0.00//////////////0.0/////////40/120/320/320/120/ADL/4x6/////////////////////////2000

SDV Single Duct w/ Hot Water Coil



Inlet Diameter Reducer Detail

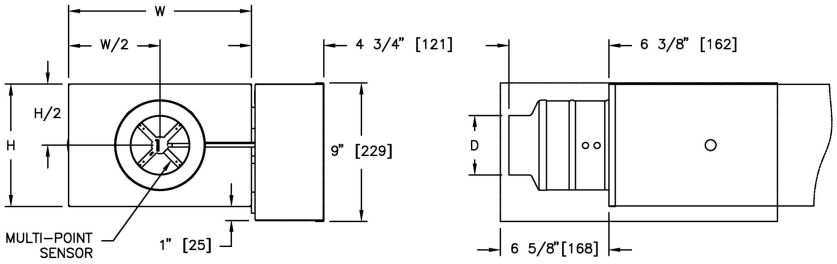


Size 4 and 5 have a 6" diameter duct with inlet reducer as shown

Inlet Reducer Dimensions	
Unit Size	D
5	4 7/8

Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
5	6	4 7/8	N/A	12	8	27 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/5/FLD///CFM/CRH/FB1//22GA/PS/WC/1R/HC///0.00//////////////0.0/////////120,130/120,240/320/320/120,240/ADL/4x6//////////////////////////2000

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Information within this document is subject to change without notice.

Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

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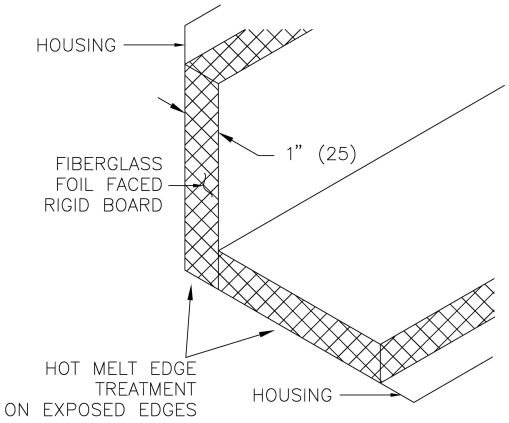
VAV Terminals
AHRI Standard 880

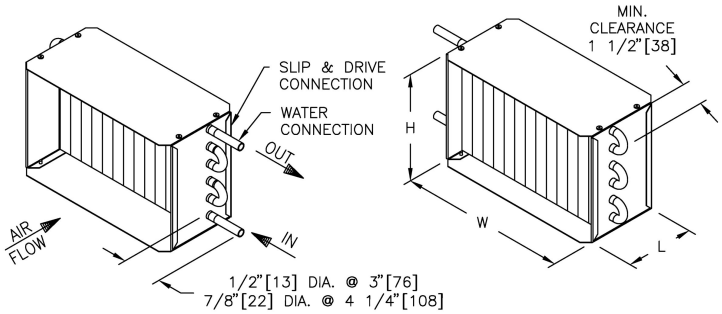
Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



High Capacity Water Coil: 1R

1 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
5	1	12	8	5	1/2

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- HC - High capacity coils supplied with 12 fins per inch.

Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/5/FLD///CFM/CRH/FB1//22GA/PS/WC/1R/HC///0.00//////////////0.0/////////120,130/120,240/320/320/120,240/ADL/4x6//////////////////////////2000

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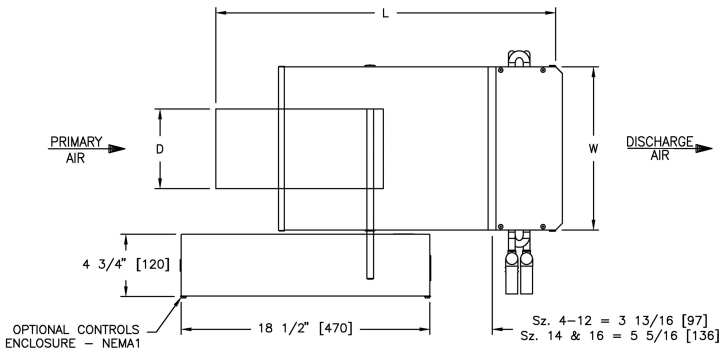
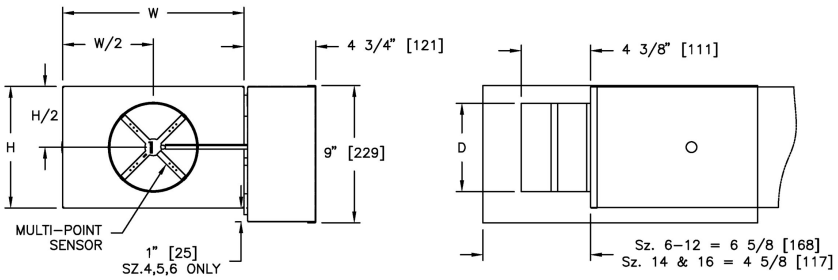
Information within this document is subject to change without notice.

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
16	16	15 7/8	N/A	24	18	30 7/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

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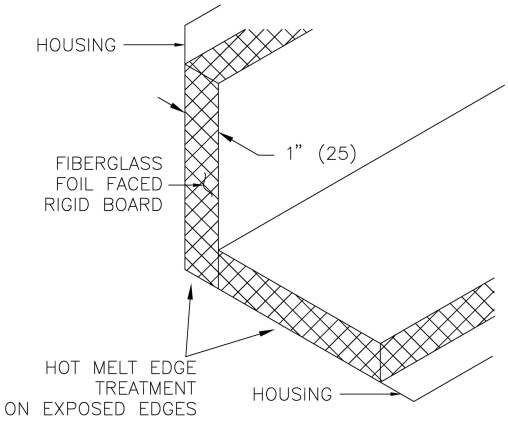
Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/16/FLD///CFM/CRH/FB1//22GA/PS/WC/3R////0.00//////////////0.0//////////1734/2200/320/320/2200/ADL/4x6/////////////////////////2000

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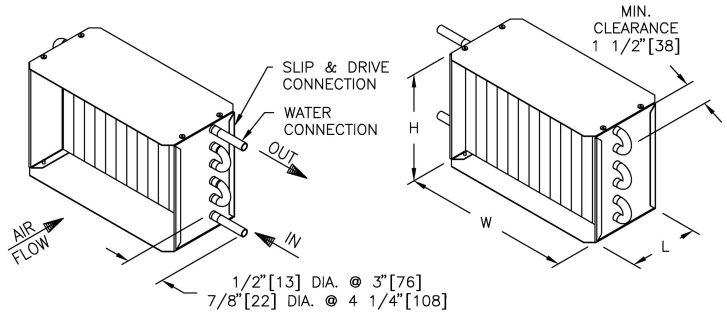
Information within this document is subject to change without notice.

Water Coil: 3R

3 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
16	3	24	18	7 1/4	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

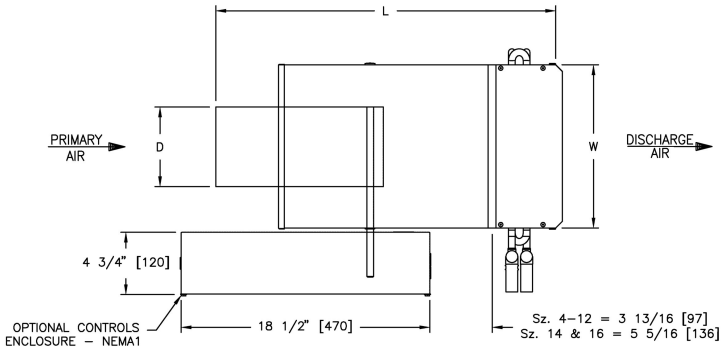
- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.
- 3 and 4 row coils have handing specific configurations, changing handing in the field can impact performance.

Access Door: ADL

Insulated Access Door c/w Snap Latches

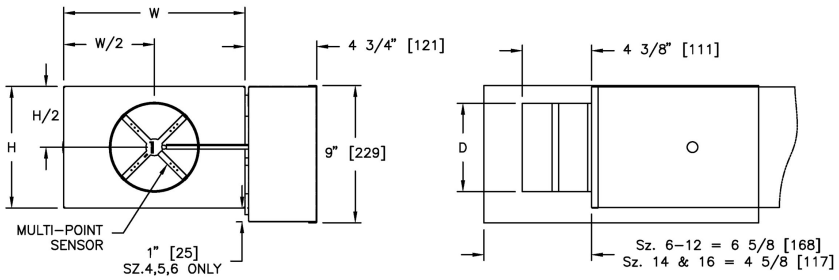
PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/16/FLD///CFM/CRH/FB1//22GA/PS/WC/3R////0.00//////////////0.0//////////1734/2200/320/320/2200/ADL/4x6/////////////////////////2000

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
9	10	8 7/8	N/A	14	12 1/2	27 3/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

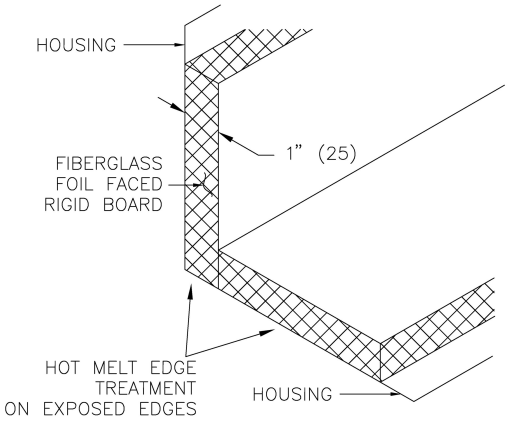
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/9/FLD///CFM/CRH/FB1//22GA/PS/WC/3R////0.00//////////////0.0/////////510/680/320/320/680/ADL/4x6/////////////////////////2000

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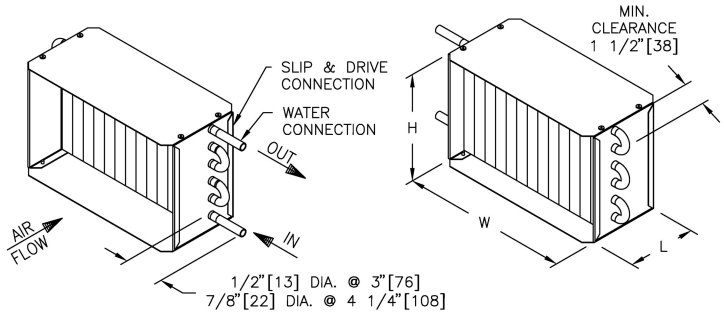
Information within this document is subject to change without notice.

Water Coil: 3R

3 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
9	3	14	12 1/2	7 1/4	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.
- 3 and 4 row coils have handing specific configurations, changing handing in the field can impact performance.

Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
SUBMITTAL NO: 269757-B
SUBMITTAL DATE: 12/22/2022
ENGINEER:
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/9/FLD///CFM/CRH/FB1//22GA/PS/WC/3R////0.00//////////////0.0/////////510/680/320/320/680/ADL/4x6/////////////////////////2000

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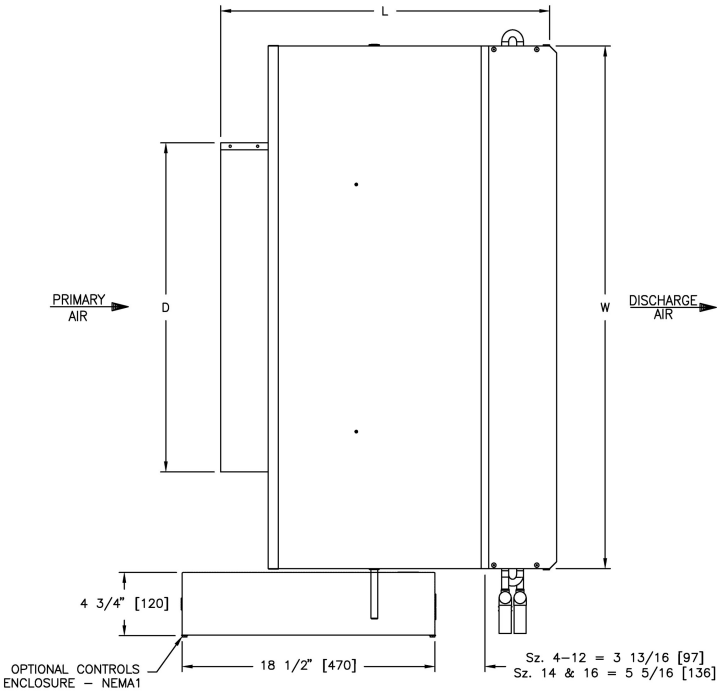
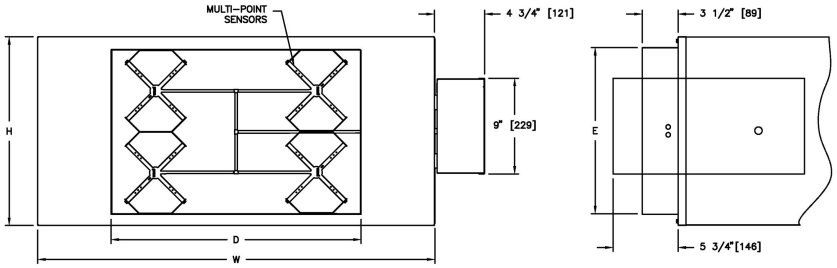
Information within this document is subject to change without notice.

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
24x16	24x16	23 7/8	15 7/8	38	18	26 1/4

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/24x16/FLD///CFM/CRH/FB1//22GA/PS/WC/3R////0.00//////////////0.0/////////4305/8340/320/320/8340/ADL/4x6/////////////////////////2000

Marketing Release version: 2.22.12.1, All In One version: 3.22.12
All metric dimensions () are soft converted. Imperial dimensions are converted to metric and rounded to the nearest millimeter.
Information within this document is subject to change without notice.

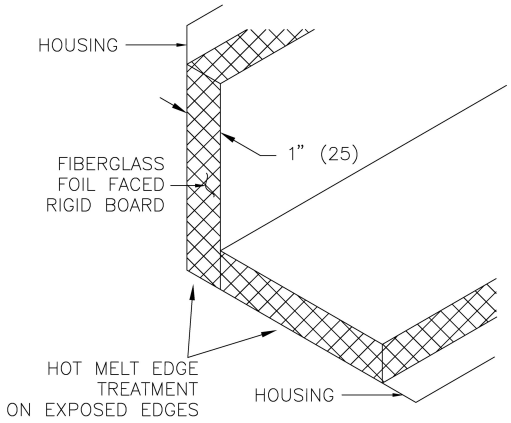
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org
VAV Terminals
AHRI Standard 880

Insulation: FB1

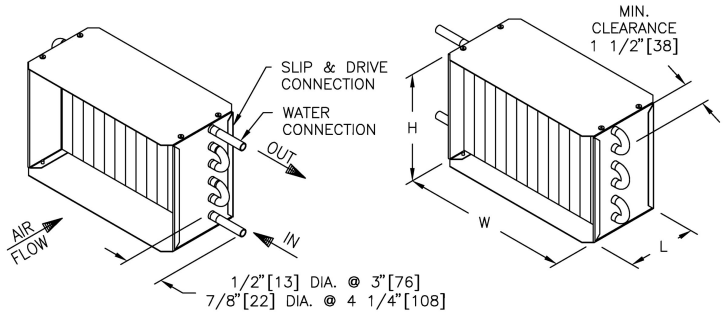
- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/24x16/FLD///CFM/CRH/FB1//22GA/PS/WC/3R////0.00//////////////0.0/////////4305/8340/320/320/8340/ADL/4x6/////////////////////////2000

Water Coil: 3R

3 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
24x16	3	38	18	7 1/4	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.
- 3 and 4 row coils have handing specific configurations, changing handing in the field can impact performance.

Access Door: ADL

Insulated Access Door c/w Snap Latches

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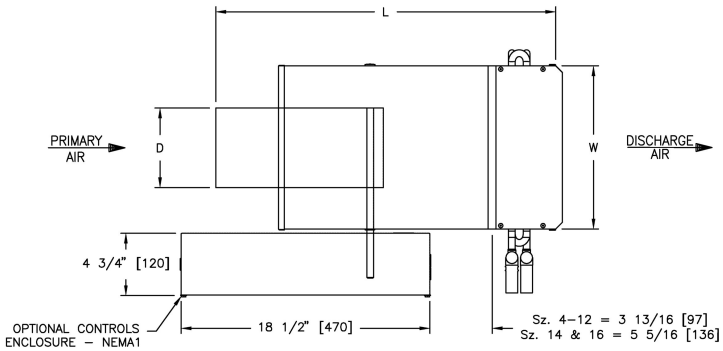
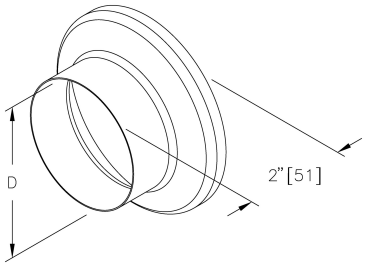
SDV Single Duct w/ Hot Water Coil



Inlet Diameter Reducer Detail

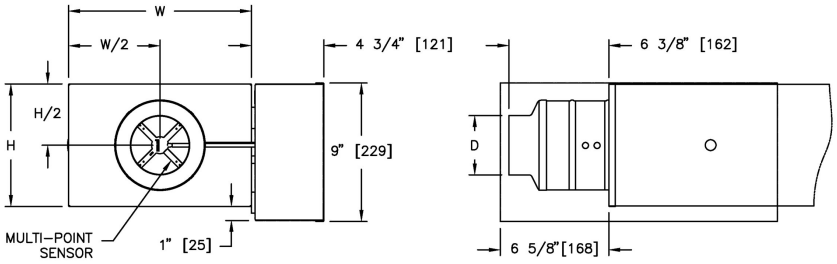


Size 4 and 5 have a 6" diameter duct with inlet reducer as shown

Inlet Reducer Dimensions	
Unit Size	D
4	3 7/8

Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
4	6	3 7/8	N/A	12	8	27 1/8

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/4/FLD///CFM/CRH/FB1//22GA/PS/WC/1R////0.00//////////////0.0/////////30,85,100,50,40,95/120,80,40/320/320/120,80,40/ADL/4x6/////////////////////////2000

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Information within this document is subject to change without notice.

Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

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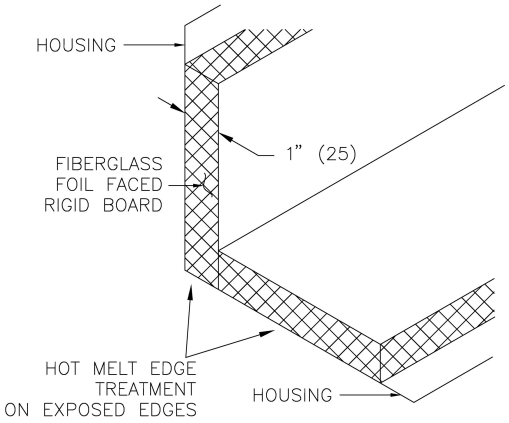
VAV Terminals
AHRI Standard 880

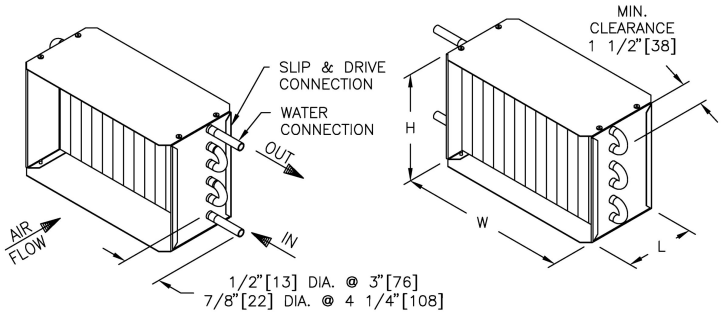
Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



Water Coil: 1R

1 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
4	1	12	8	5	1/2

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/4/FLD///CFM/CRH/FB1//22GA/PS/WC/1R////0.00//////////////0.0/////////30,85,100,50,40,95/120,80,40/320/320/120,80,40/ADL/4x6/////////////////////////2000

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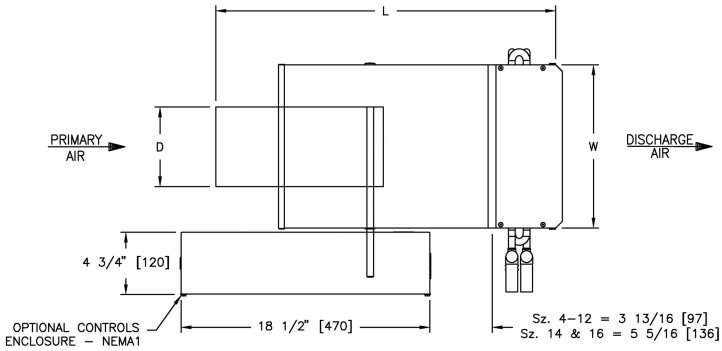
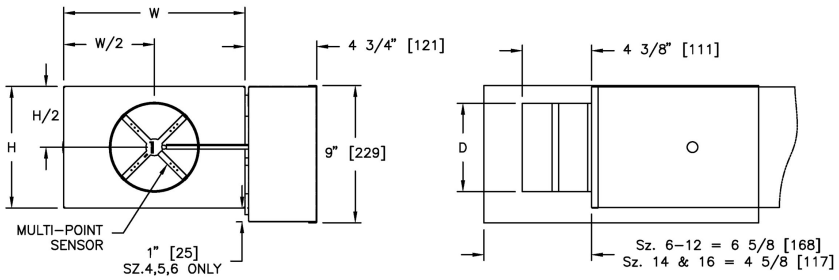
Information within this document is subject to change without notice.

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
7	8	6 7/8	N/A	12	10	41 1/4

Controls Type



- Multi-point, center averaging airflow sensor.
- Controls enclosure will be supplied as illustrated on right hand side.
- Controls are supplied by controls contractor and field installed.
- PS - Nema 1 controls enclosure included.
- Pressure independent

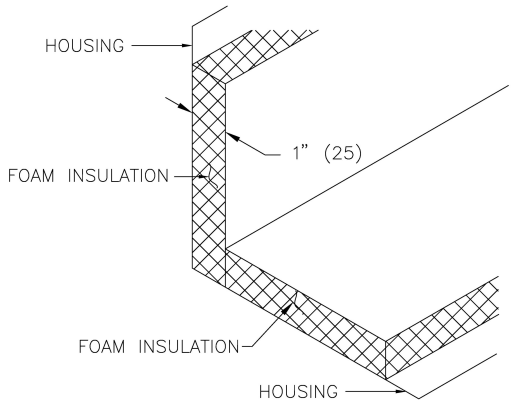
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.

AHRI CERTIFIED™ www.ahridirectory.org
VAV Terminals
AHRI Standard 880

Insulation: FF1

- Internal Insulation - Fiber Free Foam 1" (25mm) thick, 1.5 lb/cu.ft density, meets requirements of NFPA90A and UL 181
- R-Value=4



PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/7/FLD///CFM/CRH/FF1//22GA/PS/WC/2R///PP/1.37//3W/3Y/MB/3T050/24/OF/NO/FO/4.0/FH//EXT/0.0/////////480/480/320/320/480/////////
//////////////////2000

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Information within this document is subject to change without notice.

Water Coil: 2R

2 Row Right Hand

*Hand of water coil connections is determined when viewed from air inlet side.

Unit Size	Coil Rows	W	H	L	Coil Connection
7	2	12	10	5	7/8

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
- Refer to submitted terminal unit schedule for air volumes and reheat coil capacities.
- Method of venting reheat coil is to be provided by installing contractor.
- Water coil handing matches unit handing.
- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.

Piping Package: Same Side

- Piping package image represents orientation and not specific components provided.
- Extension is provided when controls and coil handing are on the same side.
- Extension insulated to match terminal unit liner.

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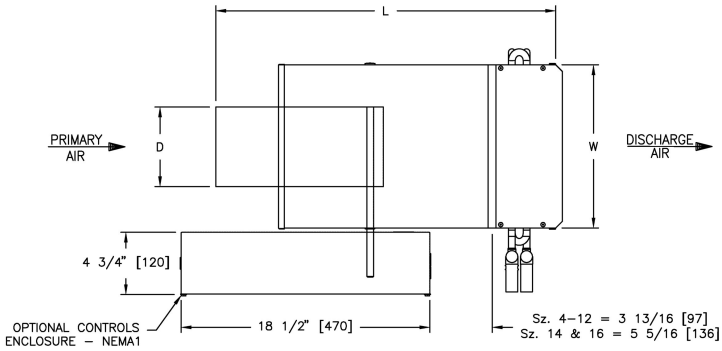
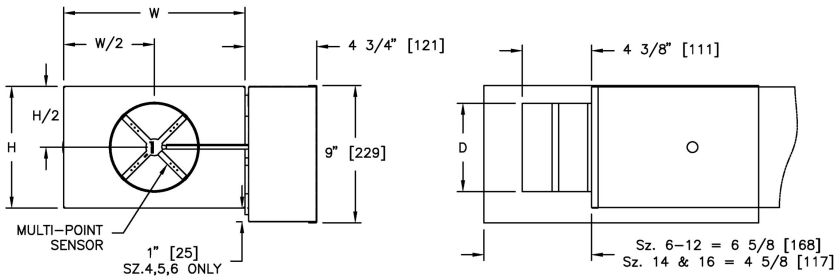
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/7/FLD///CFM/CRH/FF1//22GA/PS/WC/2R///PP/1.37//3W/3Y/MB/3T050/24/OF/NO/FO/4.0/FH//EXT/0.0/////////480/480/320/320/480/////////
//////////////////2000

SDV Single Duct w/ Hot Water Coil



Unit Size	Casing Size	Inlet		Casing		Length
		D	E	W	H	L
8	8	7 7/8	N/A	12	10	27 3/8

Controls Type



- Multi-point, center averaging airflow sensor.
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- PS - Nema 1 controls enclosure included.
- Pressure independent

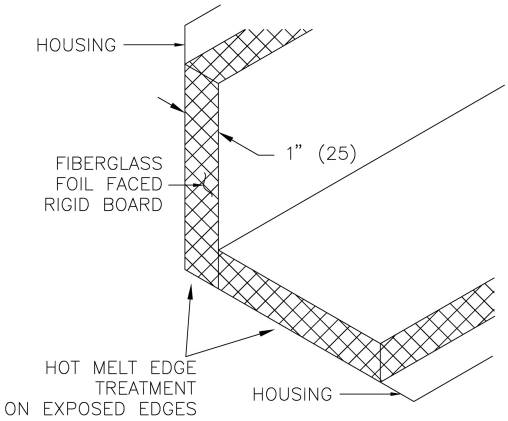
Notes

- 22 Gauge zinc coated steel housing. Mechanically sealed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Assembly ETL certified to UL50.
- Damper blade constructed of two layers of galvanized steel with a sandwiched peripheral gasket.
- 1/2" (13) diameter zinc coated damper shaft with position indicator.
- Units not to be used for temporary heat or ventilation during construction.
- ADL - Bottom access door with snap latches.

AHRI CERTIFIED™ www.ahridirectory.org VAV Terminals AHRI Standard 880

Insulation: FB1

- Internal Insulation - Foil Faced Rigid Fiberglass Board 1"(25mm) thick, 4 lb/cu.ft density, meets requirements of NFPA90A and UL 181.
- R-Value=4.16



PROJECT: Indian Hill Middle School VAVs
ENGINEER:
SUBMITTAL NO: 269757-B
CUSTOMER: Feldkamp Enterprises
SUBMITTAL DATE: 12/22/2022
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/8/FLD///CFM/CRH/FB1//22GA/PS/WC/3R////0.00//////////////0.0/////////568/600/320/320/600/ADL/4x6/////////////////////////2000

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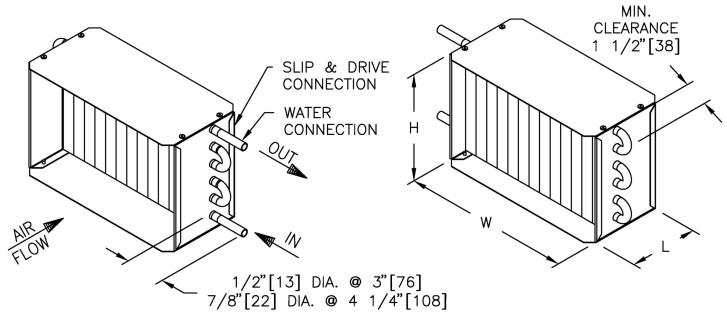
Water Coil: 3R

3 Row Right Hand



Unit Size	Coil Rows	W	H	L	Coil Connection
8	3	12	10	7 1/4	7/8

*Hand of water coil connections is determined when viewed from air inlet side.

Water Coil Notes

- Fabricated from 22 gauge galvanized steel. Mechanically sealed, leak resistant construction.
- Hot water coils have copper tubes and aluminum fins with O.D. sweat connections.
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- Method of venting reheat coil is to be provided by installing contractor.
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- Configuration of coil connection varies with size & rows of coil.
- Water coil performance rated and certified in accordance with the current edition of AHRI standard 410.
- Standard coils supplied with 10 fins per inch.
- 3 and 4 row coils have handing specific configurations, changing handing in the field can impact performance.

Access Door: ADL

Insulated Access Door c/w Snap Latches

PROJECT: Indian Hill Middle School VAVs
SUBMITTAL NO: 269757-B
SUBMITTAL DATE: 12/22/2022
ENGINEER:
CUSTOMER: Feldkamp Enterprises
DESCRIPTION: Single Duct Variable Volume
SDV-1-1//I/8/FLD///CFM/CRH/FB1//22GA/PS/WC/3R////0.00//////////////0.0/////////568/600/320/320/600/ADL/4x6/////////////////////////2000