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Shop Drawing Review

To: Peter Steuterman c/o Hastings & Chivetta	From: Nick Mondl
Project name and number: 2217700 – Jeff Co Crime Lab	Date: 09/18/2024
Subject: Variable Air Volume Boxes Product Data	

Review is for general compliance with contract documents.

No responsibility is assumed for correctness of dimensions, quantities, or details.

REVIEWER'S RESPONSE:

- NO EXCEPTIONS TAKEN
- MAKE CORRECTIONS NOTED
- REJECTED- SEE REMARKS
- ACCEPTED AS INFORMATION ONLY

ACTIONS REQUIRED:

- NO RESUBMITTAL REQUIRED
- PARTIAL RESUBMITTAL REQUIRED
- RESUBMITTAL REQUIRED

Horner & Shifrin inc.

DATE: 09/18/2024

BY: NLM



K&S Associates Inc

12963 Maurer Industrial Dr St Louis, MO 63127 Ph : 314-647-3535 Fax: 314-647-5302

www.ksqgstl.com

Submittal

Job: KS 4830

JEFFERSON COUNTY CRIME LAB
1177 MASON CIRCLE
PEVELY, MO 63070

Spec Section No: 233600

Submittal No: 1

Revision No: 2

Sent Date: 9/17/2024

Spec Section Title: AIR TERMINAL UNITS

Submittal Title: Variable Air Volume Boxes Product Data

Contractor:

K&S Associates Inc

Contractor's Stamp

K&S Associates, Inc. 12963 Maurer Industrial Drive St. Louis, MO 63127		
GENERAL CONTRACTOR REVIEW		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
REVIEWED	REVISE & RESUBMIT	REJECTED
BY <i>snicolas</i>	DATE 9/17/2024	
<small>This review is only for general conformance of the submittal with the documents. Corrections or comments made on this submittal during review do not relieve Subcontractor/Supplier from compliance with the requirements of the plans and/or specifications. Subcontractor/Supplier is responsible for verifying all dimensions and quantities. Fabrication is to be confirmed and correlated with actual field dimensions by Subcontractor/Supplier.</small>		

Other:

HASTINGS+CHIVETTA ARCHITECTS
PETER STEUTERMAN

Architect's Stamp

Engineer's Stamp

Single Duct Terminal Unit Schedule

Jefferson County Crime Lab

Tag	AHU Tag	Room	Model	Size		CFM		Static Pressure			NC Levels		Hot Water Heat Coil											Unit Information	
				Unit	Outlet	Max	Min	Inlet	Down	Min	Rad	Dis	CFM	MBH	EAT	EWT	LAT	APd	GPM	LWT	WPd	Rows	FPI	Hand	
VAV-1010			DESV	08	12x10	495	495	1	0.25	0.36	18	25	495	21.5	55	140	95	✓0.35	1.7	113.9	0.19	4-RH	✓10	RH	
VAV-1015			DESV	06	12x8	340	330	1	0.25	0.32	18	22	330	15.3	55	140	97.8	0.23	1.5	119.8	0.41	3-RH	10	RH	
VAV-1025			DESV	10	14x12.5	1020	1020	1	0.25	0.64	23	27	1020	32.1	55	140	84	✓0.63	1.9	106.2	0.18	4-RH	✓10	RH	
VAV-1030A			DESV	08	12x10	620	620	1	0.25	0.41	20	27	620	22.5	55	140	88.5	0.39	2	117.1	0.34	3-RH	10	RH	
VAV-1035			DESV	06	12x8	400	400	1	0.25	0.43	21	23	400	13.1	55	140	85.1	0.3	0.9	109.4	0.22	3-LH	10	LH	
VAV-1050			DESV	08	12x10	650	650	1	0.25	0.44	22	28	650	22.9	55	140	87.4	0.42	2	116.7	0.34	3-LH	10	LH	
VAV-1050A			DESV	08	12x10	550	550	1	0.25	0.43	19	27	550	19.7	55	140	87.9	✓0.42	1.3	110.2	0.14	4-RH	✓10	RH	
VAV-1055			DESV	10	14x12.5	770	770	1	0.25	0.3	20	24	770	25.2	55	140	85.2	0.29	1.7	109.8	0.22	3-LH	10	LH	
VAV-1060			DESV	08	12x10	620	620	1	0.25	0.41	20	27	620	22.5	55	140	88.5	0.39	2	117.1	0.34	3-LH	10	LH	
VAV-1060A			DESV	10	14x12.5	720	720	1	0.25	0.27	19	23	720	25	55	140	87	0.26	1.7	110.6	0.23	3-RH	10	RH	
VAV-1085			DESV	08	12x10	650	650	1	0.25	0.58	22	28	650	21.2	55	140	85	✓0.56	1.4	109.5	0.15	4-LH	✓10	LH	
VAV-1090			DESV	14	20x17.5	1100	1100	1	0.25	0.18	17	18	1100	40.6	55	140	89	0.17	2.1	99.7	0.2	3-LH	10	LH	
VAV-1090A			DESV	06	12x8	200	200	1	0.25	0.09	14	22	200	7.2	55	140	88	0.06	0.8	122.7	0.14	2-RH	10	RH	
VAV-1090B			DESV	08	12x10	620	620	1	0.25	0.41	20	27	620	22.5	55	140	88.5	0.39	2	117.1	0.34	3-RH	10	RH	
VAV-1100			DESV	10	14x12.5	810	810	1	0.25	0.33	20	24	810	28.1	55	140	87	0.32	2.1	112.2	0.29	3-RH	10	RH	
VAV-1110			DESV	10	14x12.5	800	300	1	0.25	0.43	20	24	800	29.5	55	140	85	✓0.42	1.9	107.7	0.17	4-RH	✓10	RH	
VAV-1110AC			DESV	08	12x10	500	210	1	0.25	0.28	18	25	480	21.9	55	140	97	0.27	2.6	122.8	0.46	3-RH	10	RH	
VAV-1115			DESV	08	12x10	650	210	1	0.25	0.58	22	28	650	27.6	55	140	94.2	✓0.56	2.4	117	0.32	4-LH	✓10	LH	
VAV-1135			DESV	06	12x8	250	200	1	0.25	0.19	15	23	200	8.9	55	140	96.2	0.14	0.6	111.1	0.13	3-LH	10	LH	
VAV-1145			DESV	08	12x10	400	100	1	0.25	0.19	17	24	330	12.2	55	140	89	0.18	0.9	110.9	0.1	3-RH	10	RH	
VAV-1150			DESV	08	12x10	630	200	1	0.25	0.42	20	27	630	22.7	55	140	88.1	0.4	2	117	0.34	3-RH	10	RH	

- Notes:
1. Selections are based on Titus as Manufacturer.
 2. All performance based on tests conducted in accordance with ASHRAE 130-2008 and AHRI 880-2011.
 3. All NC levels determined using AHRI 885-2008 Appendix E.
 4. All airflow, pressure losses and heating performance values have been corrected for altitude.
 5. Units of measure: dimensions (in), airflow (cfm), water flow (gpm), air pressure (in wg), water head losses (ft) and
 6. Water pressure drop (WPd) units is in ft. water.