

U.S. Army Corps of Engineers (USACE) <b>TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR          MANUFACTURER'S CERTIFICATES OF COMPLIANCE</b> For use of this form, see ER 415-1-0; the proponent agency is CECW-CE	DATE 3/23/2023	TRANSMITTAL NO. 23 30 00-9
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<b>SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS</b> <span style="float: right; font-weight: normal; font-size: small;">(This section will be initiated by the contractor)</span>
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TO: 81st RSC Geographic District ROs 69A Hagood Avenue Charleston, SC 29403-5107	FROM: TEAM CONSTRUCTION 825 Gum Branch Rd. STE 128 JACKSONVILLE NC 28540-6312 USA	CONTRACT NO. W912HP21D6006 W912HP22F1176	CHECK ONE: <input checked="" type="checkbox"/> THIS IS A NEW TRANSMITTAL <input type="checkbox"/> THIS IS A RESUBMITTAL OF TRANSMITTAL _____
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SPECIFICATION SEC. NO. (Covers only one section with each transmittal) 23 30 00-HVAC Air Distribution	PROJECT TITLE AND LOCATION 01 FY22 81st NC026 HEP Reset; W'ville, NC, Winterville, NC	THIS TRANSMITTAL IS FOR: (Check one) <input type="checkbox"/> FIO <input checked="" type="checkbox"/> GA <input type="checkbox"/> DA <input type="checkbox"/> CR <input type="checkbox"/> DA/CR <input type="checkbox"/> DA/GA
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ITEM NO. <small>(See Note 3)</small>	DESCRIPTION OF SUBMITTAL ITEM <small>(Type size, model number/etc)</small>	SUBMITTAL TYPE CODE <small>(See Note 8)</small>	NO. OF COPIES	CONTRACT DOCUMENT REFERENCE		CONTRACTOR REVIEW CODE	VARIATION <small>Enter "Y" if requesting a variation (See Note 6)</small>	USACE ACTION CODE <small>(Note 9)</small>
				SPEC. PARA. NO.	DRAWING SHEET NO.			
a.	b.	c.	d.	e.	f.	g.	h.	i.
20	Constant Volume, Single Duct Terminal Un	03 - PRODUCT	1	2.11.3.1		A	No	
21	Variable Volume, Single Duct Terminal Un	03 - PRODUCT	1	2.11.3.2		A	No	
22	Variable Volume, Single Duct, Fan-Powere	03 - PRODUCT	1	2.11.3.3		A	No	

REMARKS  
 This is a resubmittal from 23 30 00-4 govt remarks.

	I certify that the above submitted items had been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated.
NAME OF CONTRACTOR	 SIGNATURE OF CONTRACTOR

<b>SECTION II - APPROVAL ACTION</b>
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ENCLOSURES RETURNED (List by Item No.)	NAME AND TITLE OF APPROVING AUTHORITY	SIGNATURE OF APPROVING AUTHORITY	DATE
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# SUBMITTAL DATA SHEET

To:

Project:

Architect:

Engineer:

Product:


Supplier:

Spec Section:

Drawing:

Submittal Notes:

## APPROVAL STAMPS

<p>East Bound Mechanical 3195-B Airport Blvd. Wilson, NC 27896</p>  <p><b>Reviewed - Furnish Pending A/E Approval/Review</b></p> <p><b>Notes Indicated</b></p> <p><b>Resubmittal - See Comments</b></p> <p><b>Reviewed By:</b></p> <p><b>Date:</b></p> <p><b>Review of this drawing and or data does not indicate approval of variations to the contract documents or coordination with other trades as may be required.</b></p>	<p><b>General Contractor</b></p>	<p><b>Architect/Engineer</b></p>
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## SUBMITTAL FOR APPROVAL

PROJECT: NC026 Army Reserve Center Reset

LOCATION: Winterville, NC



Single Duct VAV Units

EQUIPMENT	Singe Duct VAV Units (No Reheat & Reheat)
UNIT TAGS	Various (see submitted schedules)
QUANTITY	67

**SOLD TO:**  
Eastbound Mechanical

**ENGINEER:**  
Cromwell

**PREPARED BY:** JOHNSON  
CONTROLS, INC.  
Michael Trimberger  
919-215-5426

**DATE:**  
3/22/2022

**REVISION:**  
02



## Response to Comments REV 01

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JOB: NC026 Army Reserve Center Reset

JCI responses are in red to engineering comments in black.

1. Provide 12 fins per inch high-capacity coils as specified.  
All 3 row coils have been reselected as 2 row coils to meet the minimum MBH scheduled.
2. 3-row heating coils are not acceptable, air pressure drop is too high; resubmit all boxes with 2-row maximum. Scheduled heating capacities are available using 2-row coils with high capacity coils (see above).  
All 3 row coils have been reselected as 2 row coils to meet the minimum MBH scheduled. Air pressure drop does not exceed the values scheduled. Please review the updated performance and options reports.
3. Airflow settings and construction are “No Exception Taken”. See below for comments on individual VAV boxes.  
Engineer has taken no exception.
4. Arrangement for control side and coil connection side (RH / LH) is “No Exception Taken” for all boxes.  
Engineer has taken no exception. Mechanical contractor to confirm handing before release.



## Table of Contents

1. Notes and Clarifications
2. Bill of Materials
3. Unit Handing
4. Outside Air Terminals– Submittal Data
5. VAV Units with HW Reheat – Submittal Data
6. Mount & Wire Controls Form
7. Warranty
8. Equipment Release Approval Form

## Notes & Clarifications

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1. Submittal based on the following:

- Drawings and Specifications dated 04/28/2022

2. Unit General Notes:

- Contractor/engineer to **confirm all pertinent data before release**, including (but not limited to the following):
  - a) **Unit quantities**
  - b) **Dimensions, weights, & clearances**
  - c) **Performance**
  - d) **Power requirements**
  - e) **Features, options, & accessories**
  - f) **Handing and orientation**
- Hanger brackets are not selectable for the Outside Air Terminal units due to their low weight. Installing contractor to support the units with the surrounding ductwork as needed.



## BILL OF MATERIAL DATA

<b>EQUIPMENT</b>	Singe Duct VAV Units (No Reheat & Reheat)
<b>UNIT TAGS</b>	Various (see submitted schedules)
<b>QTY</b>	67

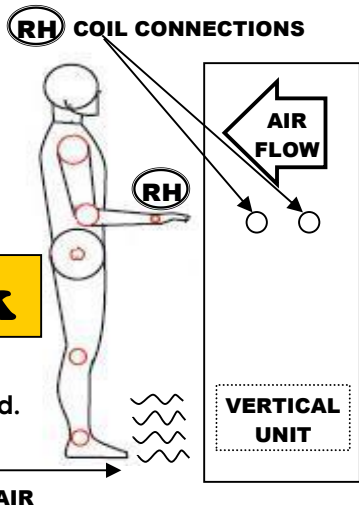
### **Items Included by Johnson Controls**

- (9) Outside Air Terminal Units (Unit Type TSX)
  - Control Enclosure
  - Factory mount & wire controls (controls provided by others)
  - Transformer (120V/1Ph, 50VA)
  - Disconnect
  
- (58) Single Duct VAV Units with Hot Water Reheat (Unit Type TSS)
  - 25% Propylene Glycol
  - 1/2" Closed Cell Foam Insulation
  - Hanger Brackets
  - Control Enclosure
  - Factory mount & wire controls (controls provided by others)
  - Access plate in terminal casing
  - Transformer (120V/1Ph, 50 VA)
  - Disconnect

### **Items NOT Included**

- Hanger Brackets (for Outside Air Terminal Units only)
- Controls (Thermostats, CO2 sensors, Occupancy sensor etc.)
- Piping Packages
- Installation of equipment
- Piping and wiring
- Startup and owner training

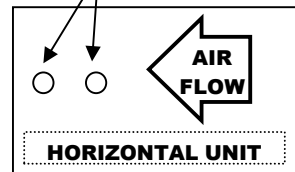
# Coil/Unit Handing Guide



## Air to Back

Unit and coil connections shown above are Right Hand.  
(RH) Inlet Air to Back

(LH) COIL CONNECTIONS



## Air to Back

Unit and coil connections shown above are Left Hand.  
(LH) Inlet Air to Back

**Vertical Largo Units are handed as "Inlet Air to Back"**

FW

FL

FS

FCC

AVI/AVD

ACB/ACR

**Horizontal Largo Units are handed as "Inlet Air to Back"**

TSS/TSL

TCS/TCL

TVS/TVL

FN

FH

AHI/AHD

AMI

**Note:** The industry standard to determine handing of an HVAC unit is with Inlet Air to Back.



# Outside Air Terminals Submittal Data

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# SINGLE DUCT SCHEDULE - COOLING ONLY

RESULTS													SOUND				RAD SOUND POWER						DIS SOUND POWER					
TAG	MFG	QTY	Elev ft	MODEL	SIZE	CONTROL SEQUENCE	MAX PRI CEM	MIN PRI CEM	INLET SP IN WC	MIN IN WC	DOWN IN WC	ARRANGEMENT	WEIGHT lb	RAD NC	DIS NC	ATTEN METHOD	125	250	500	1000	2000	4000	125	250	500	1000	2000	4000
OAT-01	JCI	1	65	TSX	05	SDC-DS201	120	50	1	0.01	0.25	RH Controls / RH Coil	15	-	18	AHRI-885E	44	31	37	32	34	34	62	50	49	43	38	33
OAT-02	JCI	1	65	TSX	05	SDC-DS201	150	50	1	0.01	0.25	RH Controls / RH Coil	15	-	21	AHRI-885E	45	34	39	35	36	36	65	54	52	45	41	36
OAT-03	JCI	1	65	TSX	05	SDC-DS201	125	50	1	0.01	0.25	RH Controls / RH Coil	15	-	18	AHRI-885E	44	32	38	32	34	34	62	51	50	43	38	34
OAT-04	JCI	1	65	TSX	05	SDC-DS201	150	50	1	0.01	0.25	RH Controls / RH Coil	15	-	21	AHRI-885E	45	34	39	35	36	36	65	54	52	45	41	36
OAT-05	JCI	1	65	TSX	05	SDC-DS201	150	50	1	0.01	0.25	RH Controls / RH Coil	15	-	21	AHRI-885E	45	34	39	35	36	36	65	54	52	45	41	36
OAT-06	JCI	1	65	TSX	06	SDC-DS201	220	60	1	0.02	0.25	RH Controls / RH Coil	15	-	29	AHRI-885E	44	35	37	36	39	38	71	59	56	52	47	43
OAT-07	JCI	1	65	TSX	05	SDC-DS201	150	50	1	0.01	0.25	RH Controls / RH Coil	15	-	21	AHRI-885E	45	34	39	35	36	36	65	54	52	45	41	36
OAT-08	JCI	1	65	TSX	05	SDC-DS201	135	50	1	0.01	0.25	RH Controls / RH Coil	15	-	20	AHRI-885E	45	33	38	34	35	35	64	52	50	44	40	35
OAT-09	JCI	1	65	TSX	14	SDC-DS201	1400	400	1	0.02	0.25	RH Controls / RH Coil	21	-	25	AHRI-885E	46	38	38	39	41	42	73	64	59	58	57	54

\* "-" signifies a NC value (radiated or discharge) that is less than 15



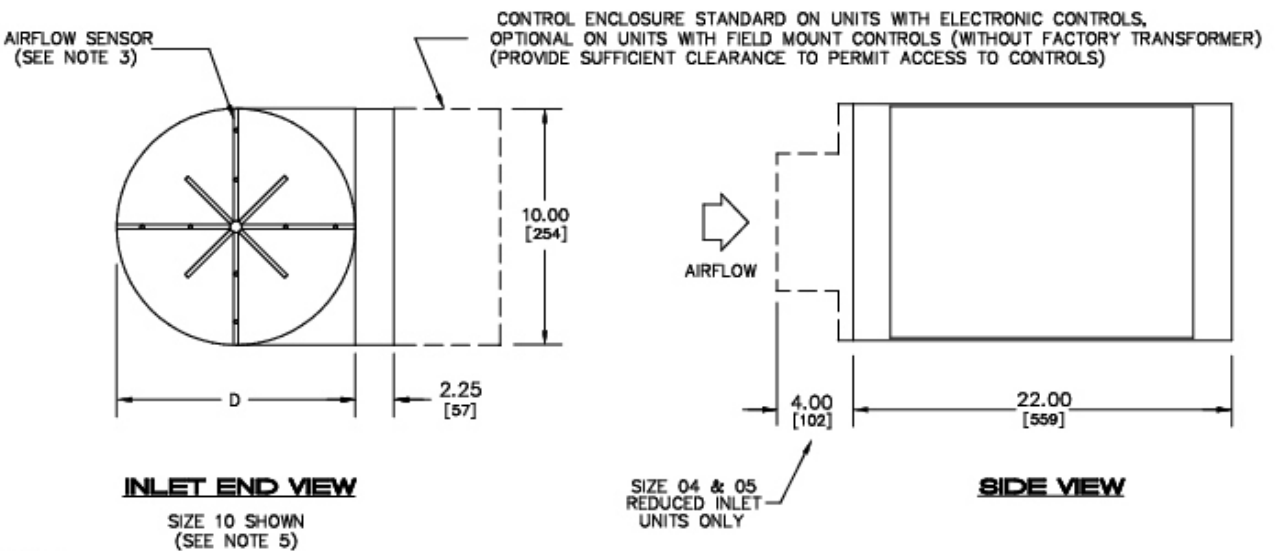
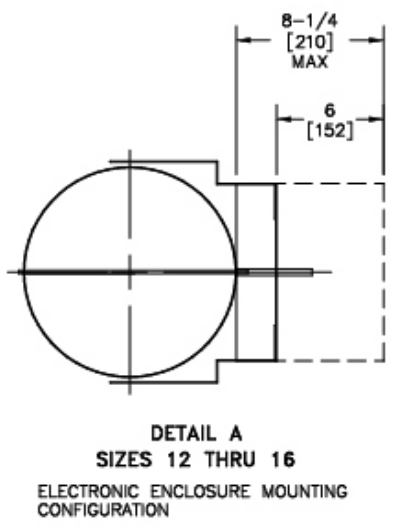
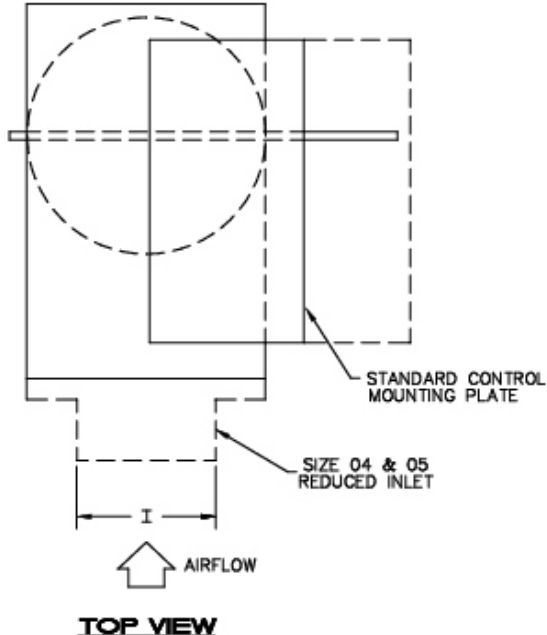
# VAV Submittal Form - Cooling Only

<b>Job Name:</b>	NC026 Army Reserve Center Winterville	<b>Date:</b>	1/12/2023
<b>ETI Order No:</b>		<b>Sales Rep:</b>	
<b>Tag Set</b>	TagGroup1		
<b>Quantity</b>	7		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSX	Single Duct Retrofit Galvanized Exhaust Terminal
fldencl	- Control Enclosure	: yes	Yes
htype	- Heating Type	: 0	None
Nooftransformer	- Transformer (#)	: 1	1 transformer
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
size	- Unit Size	: 05	Size 5
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
<b>TagSet Tags:</b>	<b>OAT-01, OAT-02, OAT-03, OAT-04, OAT-05, OAT-07, OAT-08</b>		

<b>Tag Set</b>	TagGroup2		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSX	Single Duct Retrofit Galvanized Exhaust Terminal
fldencl	- Control Enclosure	: yes	Yes
htype	- Heating Type	: 0	None
Nooftransformer	- Transformer (#)	: 1	1 transformer
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
size	- Unit Size	: 06	Size 6
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
<b>TagSet Tags:</b>	<b>OAT-06</b>		

<b>Tag Set</b>	TagGroup3		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSX	Single Duct Retrofit Galvanized Exhaust Terminal
fldencl	- Control Enclosure	: yes	Yes
htype	- Heating Type	: 0	None
Nooftransformer	- Transformer (#)	: 1	1 transformer
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
size	- Unit Size	: 14	Size 14
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
<b>TagSet Tags:</b>	<b>OAT-09</b>		

UNIT SIZE	04	05	06	08	10	12	14	16
D	5.88 [149]	5.88 [149]	5.88 [149]	7.88 [200]	9.88 [251]	11.88 [302]	13.88 [353]	15.88 [403]
I	3.88 [99]	4.88 [124]	5.88 [149]	7.88 [200]	9.88 [251]	11.88 [302]	13.88 [353]	15.88 [403]



**NOTES:**

- All dimensions are in inches [millimeters]. All dimensions  $\pm 1/4"$  [6mm]. Metric values are soft conversions.
- Casing and air valve fabricated with Galvanized steel.
- FlowStar™ multi-point airflow sensor with external balance taps.  
Sizes 04 & 05 utilize single-axis multi-point averaging airflow sensor.
- Unit should be externally insulated in the field "by others" if required.
- For units sizes 04-08 the valve wrapper is smaller than the control mounting plate.  
For units sizes 12-16 the valve wrapper is larger than the control mounting plate, as shown in detail A.

	<b>TITLE:</b> MODEL TSX TERMINAL UNIT SIZES 04 THRU 16		
	<b>DRN BY:</b> DI	<b>DATE:</b> 8/24/05	<b>SCALE:</b> NA
<b>CHK BY:</b> C.H.	<b>DATE:</b> 5/23/06	<b>REV:</b> 02	

# VAV Units with HW Reheat Submittal Data

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# SINGLE DUCT SCHEDULE - HOT WATER HEAT

TAG	MFG	QTY	Elev ft	MODEL	SIZE	RESULTS										WATER HEAT										SOUND				RAD SOUND POWER				DIS SOUND POWER													
						CONTROLS		MAX PFI CFM		MIN PFI CFM		INLET SP in. wg		MIN SP in. wg		DOWN SP in. wg		ARRANGEMENT	WEIGHT lb	HEAT CFM	EAT DEG F	LAT DEG F	CAPACITY MBH	EWT DEG F	LWT DEG F	COIL APD in. wg	WATER GPM	COIL ROWS	COIL CKTS	WPD ft. wg	Glycol Type	Glycol Pct	RAD NC	DIS NC	ATTEN METHOD	125	250	500	1000	2000	4000	125	250	500	1000	2000	4000
						08	SDC-DS201	515	200	1	0.21	0.25	RH Controls / RH Coil	26	200	55	98.28																														
1-01-T	JCI	1	65	TSS	08	SDC-DS201	515	200	1	0.21	0.25	RH Controls / RH Coil	26	200	55	98.28	8.95	140	126.26	0.2	1.35	2	2	0.52	Propylene	25	15	-	AHRI-885E	50	42	41	36	31	25	59	54	50	47	44	41						
1-02-T	JCI	1	65	TSS	08	SDC-DS201	395	145	1	0.14	0.25	RH Controls / RH Coil	26	145	55	91.72	5.92	140	121.69	0.13	0.67	2	2	0.15	Propylene	25	-	-	AHRI-885E	50	42	41	36	31	25	59	54	50	47	44	41						
1-03-T	JCI	1	65	TSS	08	SDC-DS201	155	80	1	0.04	0.25	RH Controls / RH Coil	23	80	55	81.72	2.37	140	120.3	0.02	0.25	1	1	0.09	Propylene	25	-	-	AHRI-885E	45	41	41	40	36	26	59	56	52	48	44	42						
1-04-T	JCI	1	65	TSS	08	SDC-DS201	440	145	1	0.17	0.25	RH Controls / RH Coil	26	145	55	95.12	6.46	140	125.6	0.16	0.93	2	2	0.28	Propylene	25	-	-	AHRI-885E	50	42	41	36	32	25	60	55	51	48	44	41						
1-05-T	JCI	1	65	TSS	08	SDC-DS201	525	155	1	0.22	0.25	RH Controls / RH Coil	26	155	55	85.14	5.19	140	107.3	0.21	0.33	2	2	0.04	Propylene	25	15	-	AHRI-885E	51	42	42	36	32	25	60	56	51	48	44	41						
1-06-T	JCI	1	65	TSS	08	SDC-DS201	350	105	1	0.21	0.25	RH Controls / RH Coil	24	105	55	90.83	4.18	140	113.7	0.15	0.33	2	2	0.04	Propylene	25	16	15	AHRI-885E	51	47	43	38	33	27	63	58	53	49	43	41						
1-07-T	JCI	1	65	TSS	12	SDC-DS201	1300	390	1	0.32	0.25	RH Controls / LH Coil	38	390	55	82.84	12.06	140	106.56	0.3	0.75	2	2	0.3	Propylene	25	-	-	AHRI-885E	49	44	41	34	31	29	61	55	52	48	46	42						
1-08-T	JCI	1	65	TSS	08	SDC-DS201	400	200	1	0.15	0.25	RH Controls / RH Coil	26	200	55	90.23	7.83	140	123.77	0.14	1	2	2	0.32	Propylene	25	-	-	AHRI-885E	50	42	41	36	31	25	59	54	50	47	44	41						
1-09-T	JCI	1	65	TSS	06	SDC-DS201	160	80	1	0.04	0.25	RH Controls / RH Coil	23	80	55	81.72	2.37	140	120.3	0.02	0.25	1	1	0.09	Propylene	25	-	-	AHRI-885E	45	41	41	40	36	26	59	56	52	48	44	42						
1-10-T	JCI	1	65	TSS	06	SDC-DS201	200	80	1	0.08	0.25	LH Controls / LH Coil	24	80	55	99.61	3.96	140	123.56	0.06	0.5	2	2	0.09	Propylene	25	-	-	AHRI-885E	45	40	41	40	36	25	56	53	50	46	41	38						
1-11-T	JCI	1	65	TSS	12	SDC-DS201	1100	330	1	0.24	0.25	RH Controls / RH Coil	38	330	55	92.79	13.86	140	123.77	0.23	1.13	2	2	0.64	Propylene	25	-	-	AHRI-885E	49	44	41	34	31	29	61	55	52	48	46	42						
1-12-T	JCI	1	65	TSS	06	SDC-DS201	600	200	1	0.27	0.25	LH Controls / LH Coil	26	200	55	94.83	8.85	140	126	0.26	1.31	2	2	0.5	Propylene	25	16	-	AHRI-885E	53	44	43	38	33	26	62	57	52	50	46	42						
1-13-T	JCI	1	65	TSS	05	SDC-DS201	105	65	1	0.03	0.25	RH Controls / LH Coil	25	65	55	100.67	3.3	140	119.26	0.02	0.33	2	2	0.04	Propylene	25	-	-	AHRI-885E	43	38	35	28	24	21	56	55	46	41	38	38						
1-14-T	JCI	1	65	TSS	06	SDC-DS201	160	80	1	0.06	0.25	RH Controls / RH Coil	24	80	55	93.93	3.46	140	118.24	0.04	0.33	2	2	0.04	Propylene	25	-	-	AHRI-885E	45	41	41	40	36	26	59	56	52	48	44	42						
1-15-T	JCI	1	65	TSS	06	SDC-DS201	240	80	1	0.07	0.25	RH Controls / RH Coil	23	80	55	82.79	2.47	140	124.48	0.04	0.33	1	1	0.14	Propylene	25	15	15	AHRI-885E	47	43	42	39	36	26	60	55	51	47	42	40						
1-16-T	JCI	1	65	TSS	12	SDC-DS201	1500	450	1	0.39	0.25	RH Controls / LH Coil	38	450	55	97.75	21.37	140	128.47	0.37	3.84	2	4	0.76	Propylene	25	15	-	AHRI-885E	51	46	42	35	32	29	63	57	54	51	48	44						
1-17-T	JCI	1	65	TSS	05	SDC-DS201	90	65	1	0.02	0.25	LH Controls / RH Coil	24	65	55	85.11	2.17	140	121.96	0.01	0.25	1	1	0.08	Propylene	25	-	15	AHRI-885E	43	38	35	28	24	21	58	57	48	43	42	43						
1-18-T	JCI	1	65	TSS	12	SDC-DS201	1325	395	1	0.33	0.25	RH Controls / RH Coil	38	395	55	88.88	13.99	140	110.93	0.31	1	2	2	0.52	Propylene	25	-	-	AHRI-885E	49	44	41	34	31	29	61	55	52	48	46	42						
1-19-T	JCI	1	65	TSS	14	SDC-DS201	2475	740	1	0.52	0.25	RH Controls / RH Coil	49	740	55	97.02	34.54	140	125.18	0.46	4.83	2	4	1.25	Propylene	25	18	16	AHRI-885E	53	48	44	38	34	30	66	59	57	53	49	46						
1-20-T	JCI	1	65	TSS	06	SDC-DS201	250	100	1	0.12	0.25	RH Controls / RH Coil	24	100	55	96.45	4.61	140	125.08	0.09	0.64	2	2	0.13	Propylene	25	-	15	AHRI-885E	47	43	41	39	35	25	60	55	50	47	42	39						
1-21-T	JCI	1	65	TSS	08	SDC-DS201	400	155	1	0.15	0.25	RH Controls / LH Coil	26	155	55	90.51	6.12	140	121.62	0.14	0.69	2	2	0.16	Propylene	25	-	-	AHRI-885E	50	42	41	36	31	25	59	54	50	47	44	41						
1-22-T	JCI	1	65	TSS	10	SDC-DS201	1225	365	1	0.47	0.25	RH Controls / RH Coil	33	365	55	86.98	12.97	140	116.8	0.45	1.16	2	2	0.53	Propylene	25	19	15	AHRI-885E	55	46	45	37	32	29	65	59	55	53	49	45						
1-23-T	JCI	1	65	TSS	06	SDC-DS201	290	85	1	0.15	0.25	RH Controls / RH Coil	24	85	55	98.39	4.1	140	123.01	0.11	0.5	2	2	0.09	Propylene	25	15	18	AHRI-885E	49	44	42	38	34	26	62	56	52	48	42	40						
1-24-T	JCI	1	65	TSS	06	SDC-DS201	240	80	1	0.07	0.25	RH Controls / RH Coil	23	80	55	82.79	2.47	140	124.48	0.04	0.33	1	1	0.14	Propylene	25	15	15	AHRI-885E	47	43	42	39	36	26	60	55	51	47	42	40						
1-25-T	JCI	1	65	TSS	06	SDC-DS201	260	80	1	0.08	0.25	RH Controls / RH Coil	23	80	55	82.79	2.47	140	124.48	0.05	0.33	1	1	0.14	Propylene	25	-	16	AHRI-885E	47	43	41	39	36	26	61	55	51	47	42	39						
1-26-T	JCI	1	65	TSS	08	SDC-DS201	510	150	1	0.21	0.25	RH Controls / RH Coil	26	150	55	91.43	6.07	140	123.21	0.2	0.75	2	2	0.19	Propylene	25	15	-	AHRI-885E	50	43	42	37	33	26	60	56	51	48	45	42						
1-27-T	JCI	1	65	TSS	10	SDC-DS201	1050	315	1	0.37	0.25	RH Controls / RH Coil	33	315	55	87.04	11.21	140	116.72	0.35	1	2	2	0.41	Propylene	25	16	-	AHRI-885E	53	44	43	36	30	29	63	58	54	51	48	44						
1-28-T	JCI	1	65	TSS	12	SDC-DS201	1500	500	1	0.39	0.25	LH Controls / LH Coil	38	500	55	94.36	21.87	140	126.67	0.37	3.4	2	4	0.63	Propylene	25	15	-	AHRI-885E	51	46	42	35	32	29	63	57	54	51	48	44						
1-29-T	JCI	1	65	TSS	12	SDC-DS201	1500	500	1	0.39	0.25	RH Controls / RH Coil	38	500	55	93.77	21.54	140	126.27	0.37	3.25	2	4	0.59	Propylene	25	15	-	AHRI-885E	51	46	42	35	32	29	63	57	54	51	48	44						
1-30-T	JCI	1	65	TSS	10	SDC-DS201	900	270	1	0.29	0.25	LH Controls / LH Coil	33	270	55	85.63	9.19	140	114.56	0.27	0.75	2	2	0.25	Propylene	25	-	-	AHRI-885E	51	42	40	34	28	29	60	55	52	49	46	42						
1-31-T	JCI	1																																													



# VAV Submittal Form - Hot Water Heat

<b>Job Name:</b>	NC026 Army Reserve Center Winterville	<b>Date:</b>	3/22/2023
<b>ETI Order No:</b>		<b>Sales Rep:</b>	

<b>Tag Set</b>	TagGroup1
<b>Quantity</b>	10

Attribute	Description	Value	Value Description
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fidenc1	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 08	Size 8
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None

**TagSet Tags:** 1-01-T, 1-02-T, 1-04-T, 1-05-T, 1-08-T, 1-26-T, 1-31-T, 1-32-T, 1-37-T, 3-75-T

<b>Tag Set</b>	TagGroup2		
<b>Quantity</b>	5		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 1	One circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 1	1 row
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 06	Size 6
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-03-T, 1-09-T, 1-15-T, 1-24-T, 1-25-T</b>		

<b>Tag Set</b>	TagGroup3		
<b>Quantity</b>	5		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 06	Size 6
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-06-T, 1-20-T, 1-23-T, 1-43-T, 3-71-T</b>		

<b>Tag Set</b>	TagGroup4		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 4	4 - RH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 12	Size 12
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-07-T</b>		

<b>Tag Set</b>	TagGroup5		
<b>Quantity</b>	2		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 1	1 - LH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 06	Size 6
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-10-T, 1-40-T</b>		

<b>Tag Set</b>	TagGroup6		
<b>Quantity</b>	2		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 12	Size 12
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-11-T, 1-18-T</b>		

<b>Tag Set</b>	TagGroup7		
<b>Quantity</b>	3		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 1	1 - LH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 08	Size 8
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-12-T, 1-33-T, 1-61-T</b>		

<b>Tag Set</b>	TagGroup8		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 4	4 - RH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 05	Size 5
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-13-T</b>		

<b>Tag Set</b>	TagGroup9		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 4	Four circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 06	Size 6
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-14-T</b>		

<b>Tag Set</b>	TagGroup10		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 4	4 - RH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 4	Four circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 12	Size 12
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-16-T</b>		

<b>Tag Set</b>	TagGroup11		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 2	2 - LH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 1	One circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 1	1 row
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 05	Size 5
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-17-T</b>		

<b>Tag Set</b>	TagGroup12		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 4	Four circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 14	Size 14
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-19-T</b>		

<b>Tag Set</b>	TagGroup13		
<b>Quantity</b>	3		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 4	4 - RH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 08	Size 8
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-21-T, 3-66-T, 3-68-T</b>		

<b>Tag Set</b>	TagGroup14		
<b>Quantity</b>	3		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 10	Size 10
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-22-T, 1-27-T, 3-77A-T</b>		

<b>Tag Set</b>	TagGroup15		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 1	1 - LH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 4	Four circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 12	Size 12
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-28-T</b>		

<b>Tag Set</b>	TagGroup16		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 4	Four circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 12	Size 12
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-29-T</b>		

<b>Tag Set</b>	TagGroup17		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 1	1 - LH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 10	Size 10
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-30-T</b>		

<b>Tag Set</b>	TagGroup18		
<b>Quantity</b>	2		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 4	4 - RH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 06	Size 6
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-34-T, 3-76-T</b>		

<b>Tag Set</b>	TagGroup19		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 1	1 - LH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 4	Four circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 10	Size 10
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-35-T</b>		

<b>Tag Set</b>	TagGroup20		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 1	1 row
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 08	Size 8
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-36-T</b>		

<b>Tag Set</b>	TagGroup21		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 2	2 - LH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 10	Size 10
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-38-T</b>		

<b>Tag Set</b>	TagGroup22		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 4	4 - RH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 1	One circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 1	1 row
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 06	Size 6
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-39-T</b>		

<b>Tag Set</b>	TagGroup23		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 2	2 - LH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 08	Size 8
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-41-T</b>		

<b>Tag Set</b>	TagGroup24		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 2	2 - LH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 4	Four circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 10	Size 10
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>1-42-T</b>		

<b>Tag Set</b>	TagGroup25		
<b>Quantity</b>	2		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 1	1 - LH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 1	One circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 1	1 row
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 05	Size 5
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>3-65-T, 3-72-T</b>		

<b>Tag Set</b>	TagGroup26		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 4	4 - RH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 10	Size 10
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>3-67-T</b>		

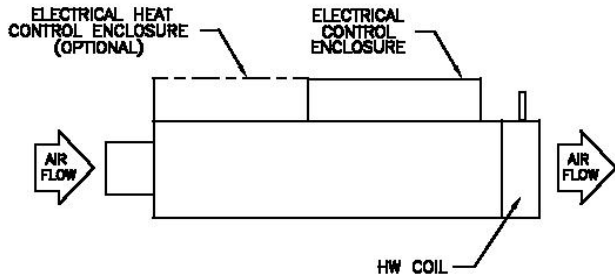
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<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 4	4 - RH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 1	One circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 1	1 row
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 05	Size 5
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>3-69-T</b>		

<b>Tag Set</b>	TagGroup28		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 1	One circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 1	1 row
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 08	Size 8
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>3-70-T</b>		

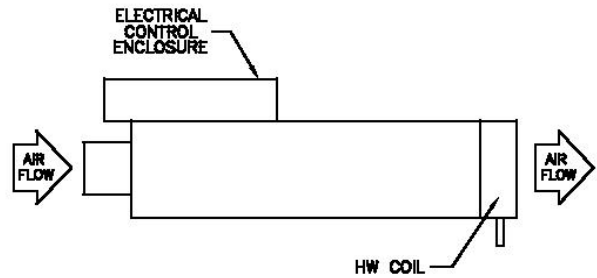
<b>Tag Set</b>	TagGroup29		
<b>Quantity</b>	1		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 3	3 - RH Controls / RH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 2	Two circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 2	2 rows
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 14	Size 14
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>3-73-T</b>		

<b>Tag Set</b>	TagGroup30		
<b>Quantity</b>	2		
<b>Attribute</b>	<b>Description</b>	<b>Value</b>	<b>Value Description</b>
acsplate	- Access plate	: stdbox	Access plate in terminal casing
actuatorpos	- Actuator Position	: none	None
addrctlsrc	- Address Controller Source	: 0	No Addressing
arrngmnt	- Unit arrangement	: 4	4 - RH Controls / LH Coil
ccf	- 1/2" Closed cell foam	: yes	Yes
circ	- Coil circ(#)	: 1	One circuit
ctlseq	- Controls	: SDC-DS201	Distech_ECB-VAV_Integral_No Heat or HW
ctltype	- Control Type	: 2	Mount & wire in factory
electcntldisc	- Controls disconnect	: yes	Yes
Family	- Model	: TSS	Single Duct Variable Air Volume Terminal
fixedflow	- Fixed Flow Control GPM	: 0	None
fldencl	- Control Enclosure	: yes	Yes
hgrbkt	- Hanger bracket	: yes	Yes
htype	- Heating Type	: 1	Water heat
hwrows	- Coil Rows (#)	: 1	1 row
Nooftransformer	- Transformer (#)	: 1	1 transformer
pcvalve	- PC Valve	: none	None
pipesize	- Pipe Size	: none	None
primvolt	- Primary T'fmr V	: 120	120 volt/1 phase
ptports	- PT Ports	: no	None
size	- Unit Size	: 08	Size 8
stainlesshose	- Stainless Hose	: no	None
Transformer	- Transformer?	: yes	Yes
transize	- Transformer VA	: 50	50 VA transformer
unions	- Unions	: no	None
wirelessflagmdl	- Wireless Flag Model Type	: 0	None
wirelessflagsrc	- Wireless Flag Source	: 0	No Addressing
ystrainer	- Y-Strainer Ports	: no	None
<b>TagSet Tags:</b>	<b>3-74-T, 3-77B-T</b>		

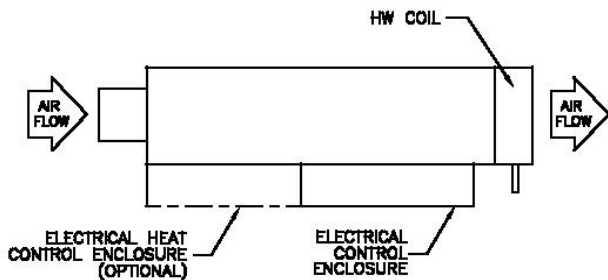
Job Name:	NC026 Army Reserve Center Winterville	Date:	3/22/2023
Drawing Name:	TSS Arrangements	Sales Rep:	



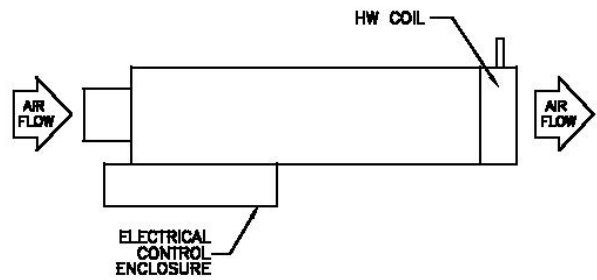
ARRANGEMENT 1  
LEFT HAND CONTROL UNIT  
WITH LEFT HAND COIL



ARRANGEMENT 2  
LEFT HAND CONTROL UNIT  
WITH RIGHT HAND COIL



ARRANGEMENT 3  
RIGHT HAND CONTROL UNIT  
WITH RIGHT HAND COIL



ARRANGEMENT 4  
RIGHT HAND CONTROL UNIT  
WITH LEFT HAND COIL

NOTES:

1. ELECTRIC HEATING CONTROL ENCLOSURE IS ON THE SAME SIDE AS STANDARD CONTROL ENCLOSURE.
2. ELECTRIC HEAT ONLY AVAILABLE ON ARRANGEMENTS 1 & 3.
3. ELECTRIC HEAT NOT AVAILABLE WITH HW COIL.



TITLE: ARRANGEMENTS - MODEL: TSS

DESIGN BY: SM	DATE: 01/21/04	SCALE: NA	DRAWING NO.:
CHKD BY: KM	DATE: 11/17/04	REV: 01	01-80012-J

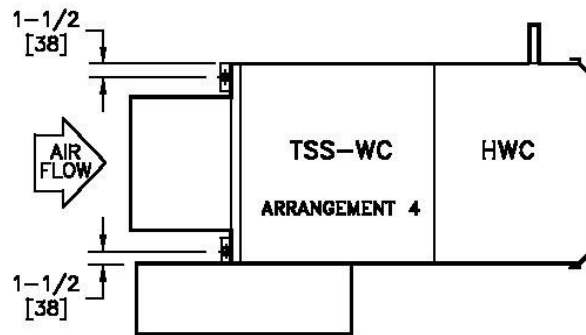
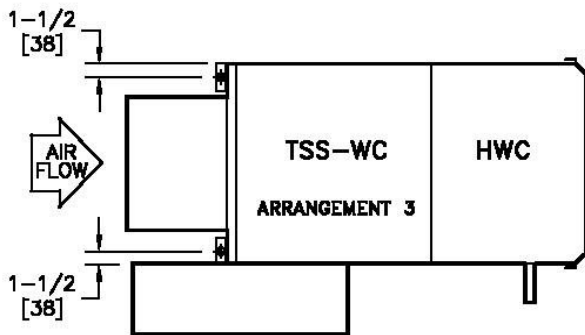
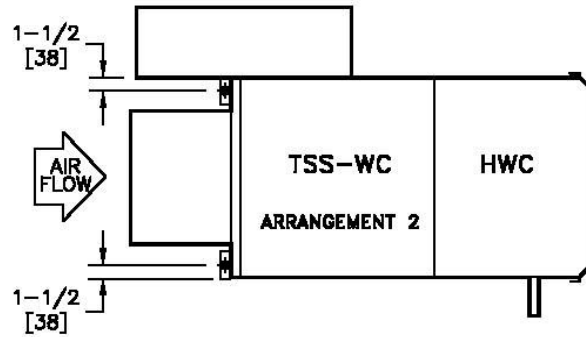
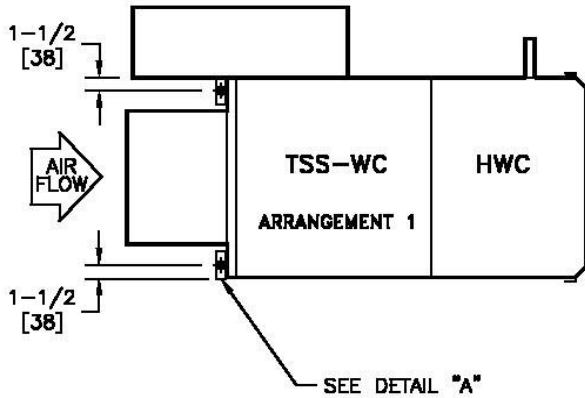
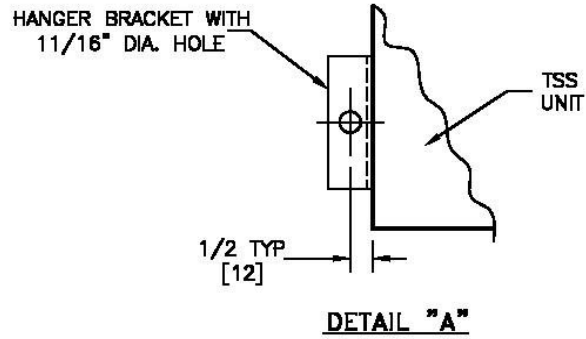
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CONTACT FACTORY FOR CERTIFIED DIMENSIONS.

Job Name:	NC026 Army Reserve Center Winterville	Date:	3/22/2023
Drawing Name:	TSS-W-hanger-brkt	Sales Rep:	

**NOTES:**

- All dimensions are Inches [millimeters].  
All dimensions are  $\pm 1/4"$  [6mm].  
Metric values are soft conversion.
- Johnson Controls will not accept responsibility for unit support based on additional field supplied suspension devices, which are sized and designed by others.



**TOP VIEWS**

Sht 4 of 5



TITLE: MODEL TSS, TSS-SA & TSS-EH  
SINGLE DUCT TERMINAL UNIT  
HANGER BRACKET LOCATIONS

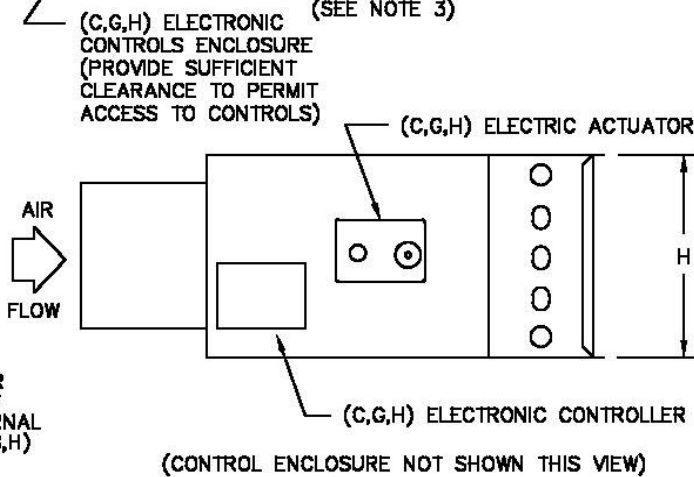
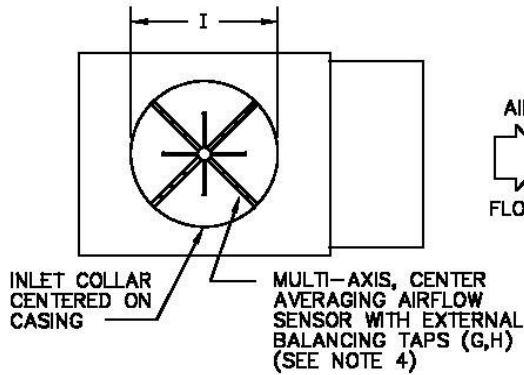
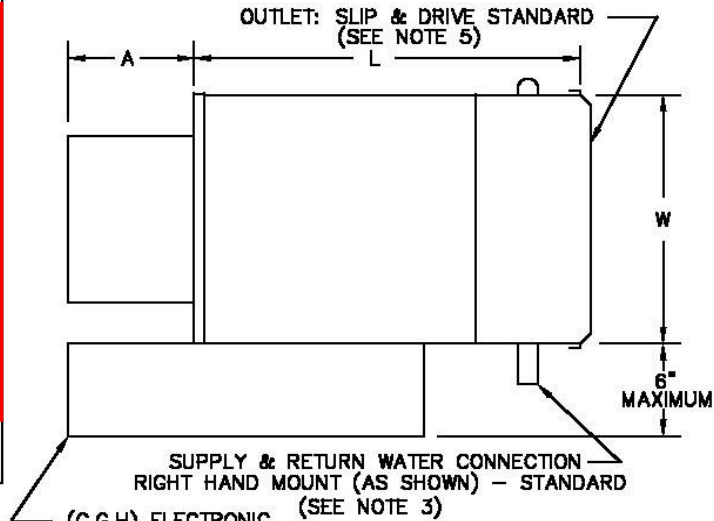
DRN BY: DI	DATE: 8/03/05	SCALE: NA	DRAWING NO.:
CDR BY: HANK	DATE: 8/10/05	REV: 00	01-80049-J

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CONTACT FACTORY FOR CERTIFIED DRAWINGS.

Job Name:	NC026 Army Reserve Center Winterville	Date:	3/22/2023
Drawing Name:	TSS-W-elec-cntrl	Sales Rep:	

UNIT SIZE	W	H	L	A	I
4	10 [254]	10 [254]	15-1/2 [394]	10-1/2 [267]	3-7/8 [98]
5	10 [254]	10 [254]	15-1/2 [394]	10-1/2 [267]	4-7/8 [124]
6	10 [254]	10 [254]	15-1/2 [394]	6-1/2 [165]	5-7/8 [149]
8	12 [305]	10 [254]	15-1/2 [394]	6-1/2 [165]	7-7/8 [200]
10	14 [356]	12-1/2 [318]	17-1/2 [445]	6-1/2 [165]	9-7/8 [251]
12	18 [406]	15 [381]	17-1/2 [445]	6-1/2 [165]	11-7/8 [302]
14	20 [508]	17-1/2 [445]	21-1/2 [546]	6-1/2 [165]	13-7/8 [352]
16	24 [610]	17-1/2 [445]	21-1/2 [546]	6-1/2 [165]	15-7/8 [403]



**CONSTRUCTION NOTES:**

- MATERIAL:** Galvanized steel; Casing -22 gauge; Air valve casing -22 gauge.
- INSULATION:** 1/2" thick fiberglass complying with NFPA 90-A and UL 181.
- HOT WATER COIL:** Copper tubing with aluminum fins, 10 fins per inch. Supply and Return water connections: 1 Row coil: 1/2" O.D., 2 Row coil: 5/8" O.D., 3 & 4 Row coil: 7/8" O.D.. Coil to be externally insulated by others if required.
- AIRFLOW SENSOR:** Sizes 4 & 5 utilize single-axis linear averaging type.
- INSTALLATION:** A) If internal insulation is utilized in the downstream ductwork, the insulation must be secured in such a manner that no raw insulation edges are exposed to the airstream.  
B) Inlet collar & hot water coil should be externally insulated by others (in the field) if required.

NOTE: All drawings subject to change without prior notice.

(C) TEMPERATURE RESPONSIVE - SERIES SD600 (G) PRESSURE INDEPENDENT - SERIES SD700  
(H) DIRECT DIGITAL PRESSURE INDEPENDENT - SERIES SDB00 & SD900

		<b>TITLE:</b> SINGLE DUCT TERMINAL UNIT ELECTRONIC CONTROLS MODEL TSS-WC			
		<b>DRN BY:</b> CV	<b>DATE:</b> 02/13/02	<b>SCALE:</b> NA	<b>DRAWING NO.:</b> 15241-J
		<b>CRD BY:</b> C.H	<b>DATE:</b> 5/23/06	<b>REV:</b> 02	

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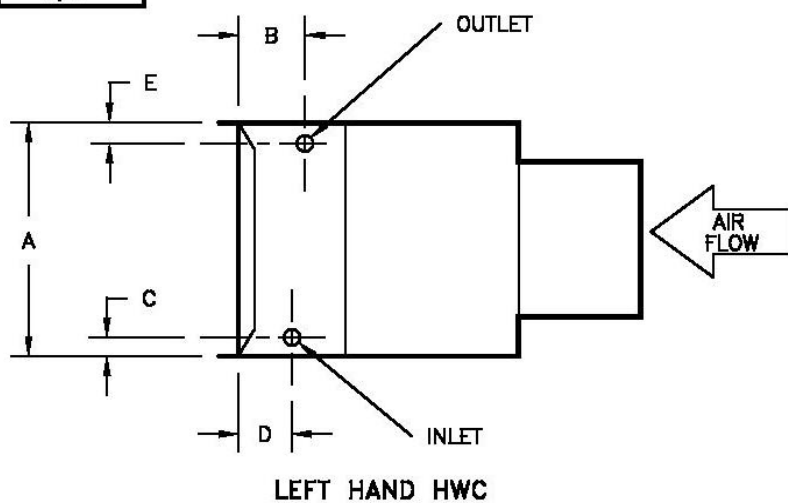
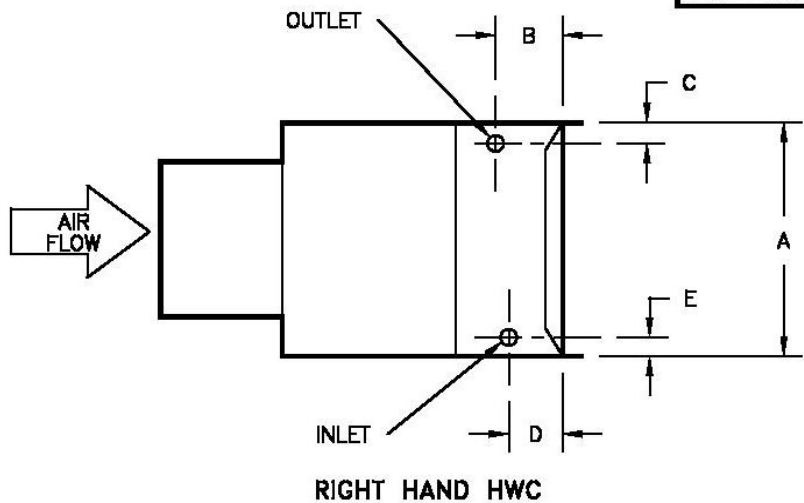
1 ROW					
UNIT SIZE	A	B	C	D	E
04-08	10-1/8"	2-3/16"	3/8"	2-3/16"	1"
10	12-5/8"	2-3/16"	3/8"	2-3/16"	1"
12	15-1/8"	2-3/16"	3/8"	2-3/16"	1"
14-16	17-5/8"	2-3/16"	3/8"	2-3/16"	1"
19-22	17-5/8"	2-3/16"	3/8"	2-3/16"	1"

2 ROW					
UNIT SIZE	A	B	C	D	E
04-08	10-1/8"	2-3/4"	11/16"	2-3/4"	11/16"
10	12-5/8"	2-3/4"	11/16"	2-3/4"	11/16"
12	15-1/8"	2-3/4"	11/16"	2-3/4"	11/16"
14-16	17-5/8"	2-3/4"	11/16"	2-3/4"	11/16"
19-22	17-5/8"	2-3/4"	11/16"	2-3/4"	11/16"

3 ROW					
UNIT SIZE	A	B	C	D	E
04-08	10-1/8"	3-1/4"	1-3/16"	1-1/8"	1-3/16"
10	12-5/8"	3-1/4"	1-3/16"	1-1/8"	1-3/16"
12	15-1/8"	3-1/4"	1-3/16"	1-1/8"	1-3/16"
14-16	17-5/8"	3-1/4"	1-3/16"	1-1/8"	1-3/16"
19-22	17-5/8"	3-1/4"	1-3/16"	1-1/8"	1-3/16"

4 ROW					
UNIT SIZE	A	B	C	D	E
04-08	10-1/8"	4-3/8"	1-3/16"	1-1/8"	1-3/16"
10	12-5/8"	4-3/8"	1-3/16"	1-1/8"	1-3/16"
12	15-1/8"	4-3/8"	1-3/16"	1-1/8"	1-3/16"
14-16	17-5/8"	4-3/8"	1-3/16"	1-1/8"	1-3/16"
19-22	17-5/8"	4-3/8"	1-3/16"	1-1/8"	1-3/16"

CONNECTION SIZES		
COIL ROWS	STANDARD	MULTI-CKT
1 ROW	1/2"	5/8"
2 ROW	5/8"	5/8"
3 & 4 ROW	7/8"	7/8"



TITLE: TSS-WC WATER COIL CONNECTION

DESIGNED BY: FIE	DATE: 5/24/00	SCALE: NA	DRAWING NO.
CHECKED BY: JCH	DATE: 2/28/03	REV: 03	17444-J

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# TSS Single Duct Variable Air Volume Terminal Guide Specification

## **GENERAL**

Furnish and install Johnson Controls Model TSS Single Duct Variable Air Volume Terminal Units. Terminals shall be certified by AHRI and bear the AHRI 880 seal.

## **CONSTRUCTION**

Terminals shall be constructed of not less than 22 gauge galvanized steel with a minimum G90 zinc coating, able to withstand a 125 hour salt spray test per ASTM B-117. The terminal casing shall be mechanically assembled (spot-welded casings are not acceptable).

## **PRIMARY AIR VALVE**

The primary air valve shall consist of a minimum 22 gauge cylindrical body that includes embossment rings for rigidity. The damper blade shall be connected to a solid shaft by means of an integral molded sleeve which does not require screw or bolt fasteners. The shaft shall be manufactured of a low thermal conducting composite material, and include a molded damper position indicator visible from the exterior of the unit. The damper shall pivot in nylon bearings. The damper actuator shall be mounted on the exterior of the terminal for ease of service. The valve assembly shall include internal mechanical stops for both full open and closed positions. The damper blade seal shall be secured without use of adhesives. The air valve leakage shall not exceed 1% of maximum inlet rated airflow at 3" W.G. inlet pressure.

## **PRIMARY AIRFLOW SENSOR**

Differential pressure airflow sensor shall traverse the duct using the equal cross sectional area or log-linear traverse method along two perpendicular diameters. Single axis sensor shall not be acceptable for duct diameters 6" or larger. A minimum of 12 total pressure sensing points shall be utilized. The total pressure inputs shall be averaged using a pressure chamber located at the center of the sensor. A sensor that delivers the differential pressure signal from one end of the sensor is not acceptable. The sensor shall output an amplified differential pressure signal that is at least 2.5 times the equivalent velocity pressure signal obtained from a conventional pitot tube. The sensor shall develop a differential pressure of 0.03" w.g. at an air velocity of < 450 FPM.

## **HOT WATER COIL**

Single duct terminal shall include an integral hot water coil. The coil shall be manufactured by the terminal unit manufacturer and shall have a minimum 22 gauge galvanized sheet metal casing with a minimum G90 zinc coating. Coil to be constructed of pure aluminum fins with full fin collars to assure accurate fin spacing and maximum tube contact. Fins shall be spaced with a minimum of 10 per inch and mechanically fixed to seamless copper tubes for maximum heat transfer. Each coil shall be tested at a minimum of 450 PSIG under water.

# Additional Information

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## MOUNT AND WIRE CONSIGNMENT NOTICE

**Date:** \_\_\_\_\_  
**To:** \_\_\_\_\_  
**Company:** \_\_\_\_\_  
**Your PO #:** \_\_\_\_\_  
**Job Name:** \_\_\_\_\_  
**CO# Assigned:** \_\_\_\_\_

•Please refer to the website or Eroom to reference the Mount and Wire Policies and Procedures and retrieve control wiring diagrams and controls parts numbers that are available from the following control vendors: Alerton, American Automatrix, Automated Logic, Carrier, Circon, Delta, Distech, Honeywell, Johnson, KMC, Novar, Reliable, Siemens/Landis, Siemens/Staefa, TAC/Andover, TAC/CSI, TAC/Invensys and Wattmaster. A username and password is required to access the website or Eroom to obtain the diagrams.

•Advise your control vendors that the costs of M/W DDC controls includes only the part numbers and the wiring diagrams posted on the website or Eroom. Any deviations from this list will result in additional costs. Please see the Factory Mount and Wire Extras List for list and net adds.

• All other control vendors must provide a complete legible wiring diagram, controller footprint drawing, part numbers and any other pertinent information to your representative for engineering review and additional costs.

Please do not have the control vendor contact the factory directly.

**Ship all controls complete, no partials, to the following address:**

**Johnson Controls**  
**Attn: CO#** \_\_\_\_\_  
**6750 Bryan Dairy Road**  
**Largo, FL 33777**

**Your order will be ON HOLD and WILL NOT BE SCHEDULED until the following information has been received:  
 (Email the information to Bill Dunn at William.D.Dunn@jci.com or fax to: (727)545-1028)**

- 1.) **Controls Arrival Date:** \_\_\_\_\_
- 2.) **Control Manufacturer:** \_\_\_\_\_
- \*\* 3.) **Control Wiring Diagram #:** \_\_\_\_\_
- 4.) **Part Number:** \_\_\_\_\_ **Qty:** \_\_\_\_\_  
**Part Number:** \_\_\_\_\_ **Qty:** \_\_\_\_\_  
**Part Number:** \_\_\_\_\_ **Qty:** \_\_\_\_\_

\*\*If a vendor control wiring diagram is sent in lieu of the standard factory wiring diagram from the website or Eroom, delays for engineering reviews and additional costs may apply. Please make every effort to use standard wiring diagram #'s.

Please note mount and wire jobs are scheduled within prevailing standard lead times predicated on complete controls being in house a minimum of 10 working days prior to the Monday of the scheduled production week.

## **WARRANTY POLICY**

Effective May 1, 1999

Johnson Controls, Inc., hereinafter referred to as Johnson Controls, hereby warrants their manufactured products and component parts of variable volume terminals, electric heaters, fan coil units, and air handlers.

- A. All component parts manufactured by Johnson Controls are warranted for a period of 12 months from startup not to exceed 18 months from the date of shipment.
- B. Warranty replacement parts may be remanufactured or new components.
- C. Control components furnished on a consignment basis for mounting by Johnson Controls in its assemblies are not warranted by Johnson Controls.

Warranty is limited to the replacement of product(s) and/or part(s) furnished by Johnson Controls. No replacement labor nor extraneous labor or materials related to the repair and replacement is included. Further, Johnson Controls makes no other warranties, expressed or implied of its product(s), or any other product(s) so included as a component of its product(s). In no event shall Johnson Controls be deemed responsible for liquidated or consequential damages of any nature whatsoever.

### **ORDERING GUIDELINES**

#### **I. Replacement Parts Ordering Guidelines**

The Representative must enter a complete and accurate parts order on a Johnson Controls parts order form for any warranty part required. The original Johnson Controls order number must be included. All pertinent information must be included: purchase order number, ship-to address, tagging and contact information, replacement part number, ordering office and salesperson names. Check the order type as a "Warranty."

#### **II. Return of Failed Parts**

Replacement parts will be invoiced to your account. In order to receive credit for the warranty replacement parts, the failed parts must be returned to Johnson Controls within 90 days from the replacement part ship date with the following exceptions. If at 90 days the part has not been received at the factory, the parts invoice is due. Returned parts will not be accepted for credit after 90 days.

- A. Secondary limits are warranted for a period of (6) months from the date of the original product shipment. No return required. A no-charge invoice will be issued.
- B. Direct drive motors require the return of the motor nameplate for each motor within 90 days of shipping the replacement motor in order to receive credit. The type of failure must be indicated with the return nameplate.
- C. Belt driven product motors and frequency inverters are to be repaired or replaced by the vendor's authorized repair center. The motor must be returned to the repair facility, not to Johnson Controls.
- D. Replacement parts for "Return Not Required" parts will ship UPS Ground and will be invoiced "no charge."

#### **III. Warranty Components That Must Be Returned For Credit**

The following conditions must be met in order to qualify for credit for a failed part.

- A. Defective parts must be returned within 90 days from the date of shipment of replacement parts. Warranty parts invoices over 90 days old are due and payable immediately.

## **WARRANTY POLICY**

Effective May 1, 1999

- B. Return parts must be accompanied by one of the following:
1. Packing list copy of replacement parts invoice – if returned directly from your customer.
  2. Copy of replacement parts invoice – if you (Representative) are returning the parts.
  3. If you have replaced defective part(s) from your stock on a project in warranty, a parts order must be placed identifying the original Largo order#. The defective part(s) can be returned once you have the packing slip or a copy of the replacement parts slip. NOTE: Do not return defective parts without first ordering a replacement.
- C. Parts must be packed with reasonable care. Damage that occurs in shipment may mask the original cause of failure and cause our vendors to deny warranty. Ship freight prepaid to the attention of:
- Warranty Returns Department  
Johnson Controls  
8575 Largo Lakes Blvd  
Largo, FL 33773**

Pack each return by job, with appropriate paperwork. If possible, avoid partial returns. If unavoidable, you must include a copy of the packing slip and/or invoice with each shipment of returned parts.

**NOTE:** Credit cannot be issued for any return shipment received without proper accompanying paperwork. Paperwork is essential for identification. Any parts returned without documentation will be discarded (15) days after notification is given to the Representative office. If the Representative office is unidentifiable, no credit will be given.

### **IV. Warranty Disposition**

The final disposition of any warranty claim will be determined solely by Johnson Controls. If after inspection by Johnson Controls Warranty Returns Department, it is apparent that improper application, misuse, or lack of maintenance has caused the product(s)' failure, the warranty will be voided and no credit issued. The appropriate disposition of returned parts will be determined as follows:

- A. Defective Parts
1. Parts found to be defective in workmanship or materials will be credited based on the Representative's invoiced cost, including standard ground freight.
  2. All defective part(s) that were supplied from the Representative's local stock will be replaced at no charge.
  3. No credit in lieu of shipping a replacement part will be issued.
- B. Operational Parts
- Parts found to be operational will be returned to the Representative and no credit will be issued. This also applies to cosmetically abused parts which are operational.

### **V. Unidentified Parts and Parts That Are Out-of-Warranty**

The Representative must contact the factory in order to obtain authorization for any return of a non-warranty product(s) for special consideration and repair. If written authorization is obtained, the procedure for warranty product(s) will apply.

Parts received without appropriate paperwork or that are outside the warranty period will be held for a period of 15 days after notice of pending disposal has been sent to the Representative, if the Representative can be identified. The Representative will be given the option of the parts being returned and paying for freight and handling charges.

## Equipment Release Approval Form

**Product Type: VAV Units**

**Unit Tags: Various**

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

<b>SUBMITTAL VERIFICATION</b>	
	<b>Purchaser Initials</b>
Unit quantities and tag designations are correct.	
Equipment dimensions (length, width, and height) and weights have been verified to comply with jobsite conditions and rigging requirements.	
Electrical voltage and electrical connections are compatible with jobsite requirements.	
Unit handing/orientation is suitable for installation based on mechanical system and jobsite spatial constraints. This includes (but is not limited to) unit piping/ductwork connections and enclosure/access door locations.	

**Important Notes:**

- 1) Actual fabrication release cannot commence until this form is signed by the customer and returned to JCI along with a release notification want date and ship to address.
- 2) Equipment "lead-time" does not start until confirmed release documentation is received, and the order is actually released to the factory.
- 3) Modifications to equipment configurations after fabrication release may impact cost and lead-time.

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

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

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

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

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

**CUSTOMER APPROVAL:**

Customer Name: \_\_\_\_\_

Signature (\*) \_\_\_\_\_

Date: \_\_\_\_\_