

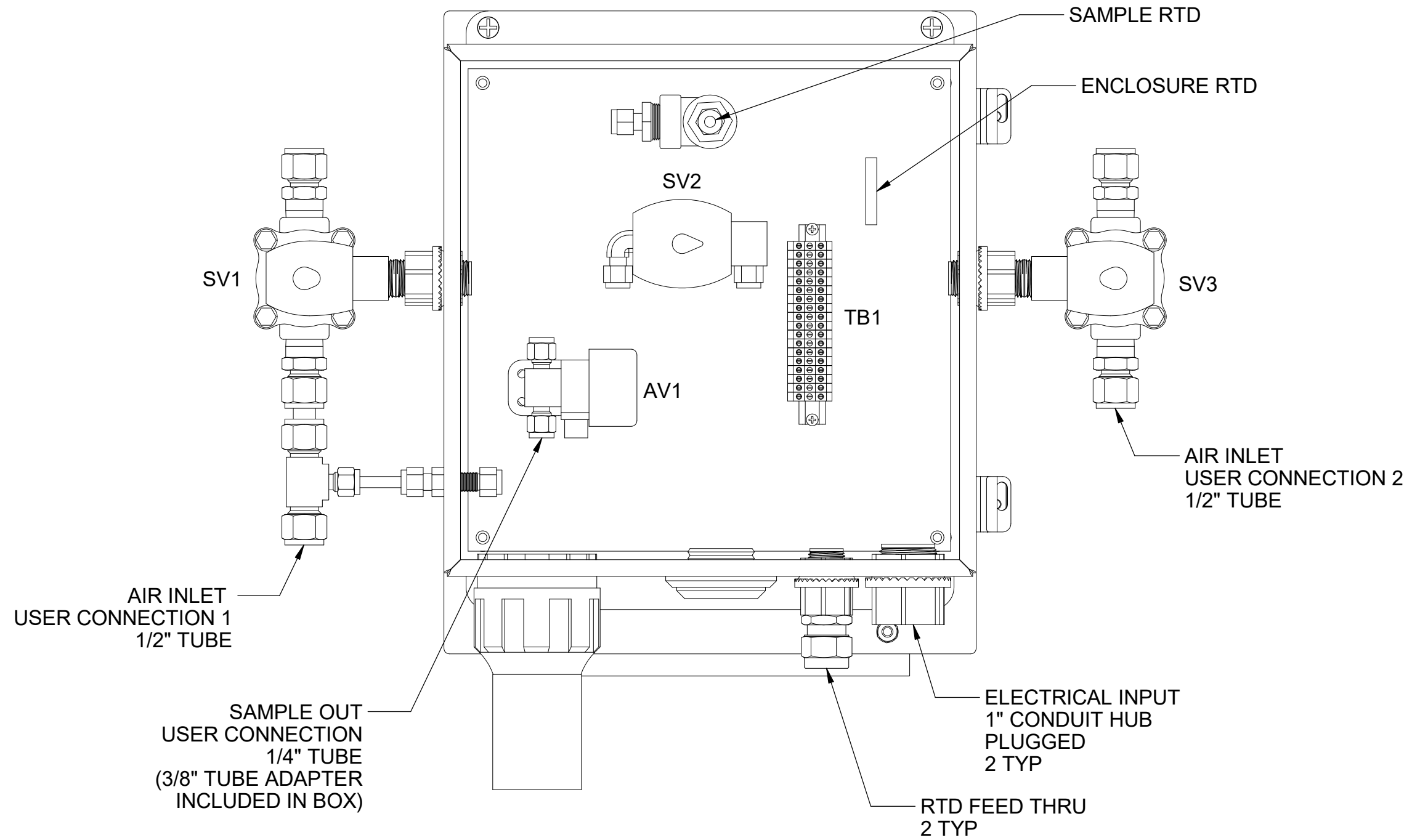




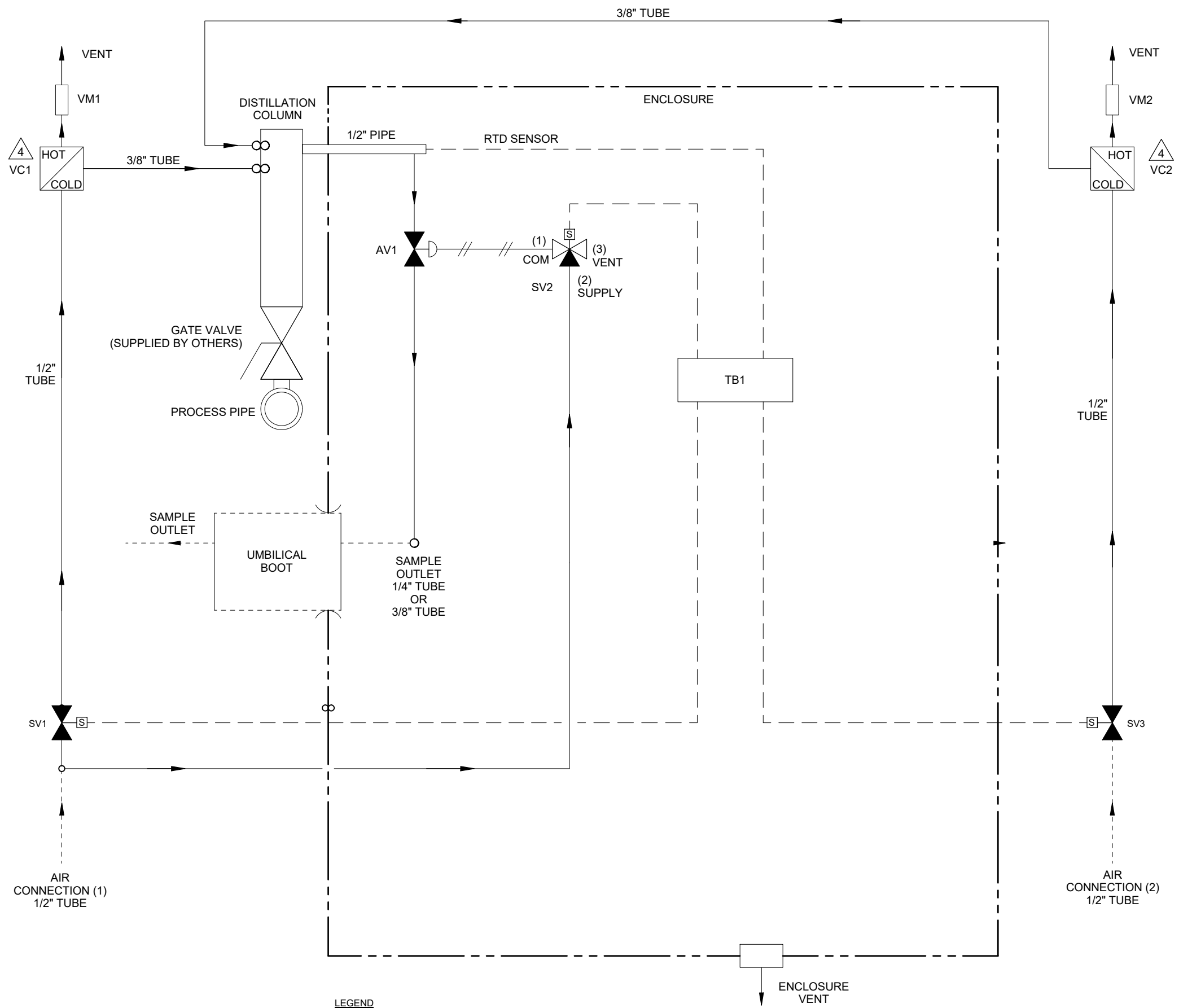
NOTES:

- 1 EACH VORTEX COOLER REQUIRES 35-40 SCFM @ 80-100 PSIG DEWPOINT ≤ -40°F RECOMMENDED. TYPICAL CYCLE IS 20% ON. RECOMMEND TWO SEPARATE AIR SUPPLIES TO REDUCE THE CHANCE OF PRESSURE DROP BELOW RECOMMENDED LEVEL.
- 2 UNIT HEIGHT VARIES PER FLANGE OPTIONS, +1", -4"
- 3 LIFTING WEIGHT: 150LBS. NOTE THAT THE EYELET IS NOT LOCATED DIRECTLY ABOVE CENTER OF GRAVITY
- 4 HEATED SAMPLE LINE RECOMMENDED @ 140°F MINIMUM FOR MOST APPLICATIONS.
- 5) SAMPLE FLOW RECOMMENDED 1-4 L/M
- 6 CUSTOMER I.D. TAG IF SPECIFIED ON PO. GRAVOPLY SECURED WITH SCREWS OR RIVETS. 1/2" TEXT HEIGHT, WHITE ON BLACK

5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)883-6388		5	04/20/17	NEW CONTROLLER REVISION	CS	BW
 		REV DATE	DESCRIPTION		DWN/APPV	
REVISIONS						
DISTILLATION PROBE		DATE	SCALE	SIZE	SHEET	
REMOTE CONTROL, AIR COOLED, DUAL VORTEX		02/27/2017	NTS	D	1 OF 4	
PART NO.	FOR	DRAWN BY	ECO#	DRAWING NO.		
1221-RC-V2	-	C. SHIELDS	-	P2786		
		APVD BY				
		B. WOLF				

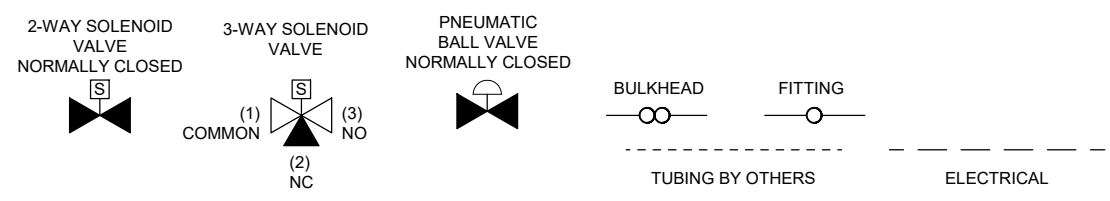


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 		REV DATE	DESCRIPTION		DWN/APVD	
REVISIONS						
INTERIOR LAYOUT		DATE	SCALE	SIZE	SHEET	
		02/27/2017	NTS	D	2 OF 4	
PART NO.	FOR	DRAWN BY	ECO#	DRAWING NO.		
1221-RC-V2	-	C. SHIELDS	-	P2786		
		APVD BY				
		B. WOLF				



- NOTES:
1. ALL TUBING TO BE 1/4" 316SS (UNLESS OTHERWISE NOTED)
 2. ALL WETTED MATERIALS ARE STAINLESS STEEL
 3. SAMPLE TEMPERATURE SETPOINT IN REMOTE CONTROLLER (NOT SHOWN) IS 65°F UNLESS OTHERWISE STATED ON P.O.
- △ SET VORTEX TUBE 3.5 TURNS FROM BOTTOM.

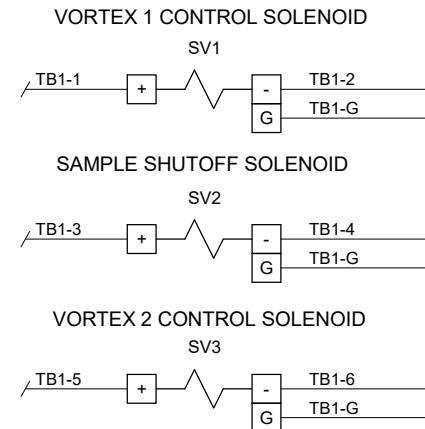
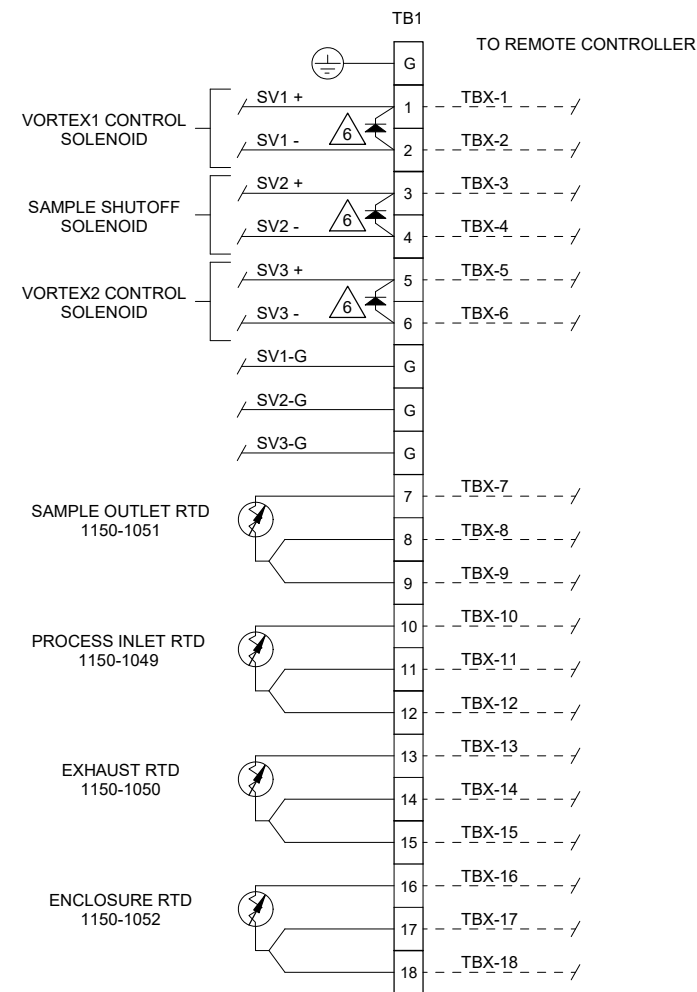
LEGEND



ITEM	QTY	DESCRIPTION	UAI PART NO.
AV1	1	AIR ACTUATED VALVE 1/4" N.C. SPRING RETURN	4955-0109
SV2	1	SOLENOID VALVE 3-WAY 24VDC EXP. PROOF	4955-0260
SV1,3	2	SOLENOID VALVE 2-WAY 24VDC EXP. PROOF	4955-1141
VC1,2	2	VORTEX COOLER 40 SCFM	4960-1013
VM1,2	2	VORTEX MUFFLER - HOT	4960-1011

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		REV DATE		DESCRIPTION	DWN/APPVD	
REVISIONS						
DATE		SCALE	SIZE	SHEET		
02/27/2017		NTS	D	3 OF 4		
PART NO.		FOR	DRAWN BY	ECO#	DRAWING NO.	
1221-RC-V2		-	C. SHIELDS	-	P2786	
			APVD BY			
			B. WOLF			

P & ID



NOTES:

- 1) ELECTRICAL CLASSIFICATION DESIGNED FOR CLASS 1, DIV2, GROUPS A, B, C, D.
ALL ELECTRICAL COMPONENTS ARE SELF-CERTIFIED FOR HAZARDOUS AREA USAGE BY THE RESPECTIVE VENDOR. THIS ASSEMBLY HAS NOT BEEN CERTIFIED.
- 2) WIRING SHALL BE IN ACCORDANCE WITH APPLICABLE NEC CODE.
ELECTRICAL MATERIALS SHALL BE LABELED BY: UL, FM OR CSA (WIRE AND TERMINALS ONLY)
THE FOLLOWING WIRE SIZES ARE EXCLUSIVE OF INTEGRATED COMPONENT WIRE SIZE:
ALL WIRES: TFE 300V INSULATION, 18 AWG MINIMUM, STRANDED COPPER CONDUCTOR

- 3) COLOR CODING:

<u>AC</u>	<u>DC</u>	<u>SIGNAL & ALARM</u>
H/L1 - BLACK	POSITIVE - RED	ALL - YELLOW
N/L2 - WHITE	NEGATIVE - BLUE	
GROUND - GREEN		

4) ENCLOSURE DOOR SHALL BE GROUNDED TO BACK PANEL

5) LABEL ALL CONNECTIONS WITH GRAVOLPHY

6) INSTALL DIODE 1009-0009 FOR ALL SOLENOIDS

FIELD TO WIRE

		<small>5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)883-6388</small>	5 04/20/17 NEW CONTROLLER REVISION CS BW
WIRING DIAGRAM		REVISIONS	
DATE 02/27/2017		SCALE NTS	
SIZE D		SHEET 4 OF 4	
PART NO. 1221-RC-V2		FOR -	
DRAWN BY C. SHIELDS		ECO# -	
APVD BY B. WOLF		DRAWING NO. P2786	