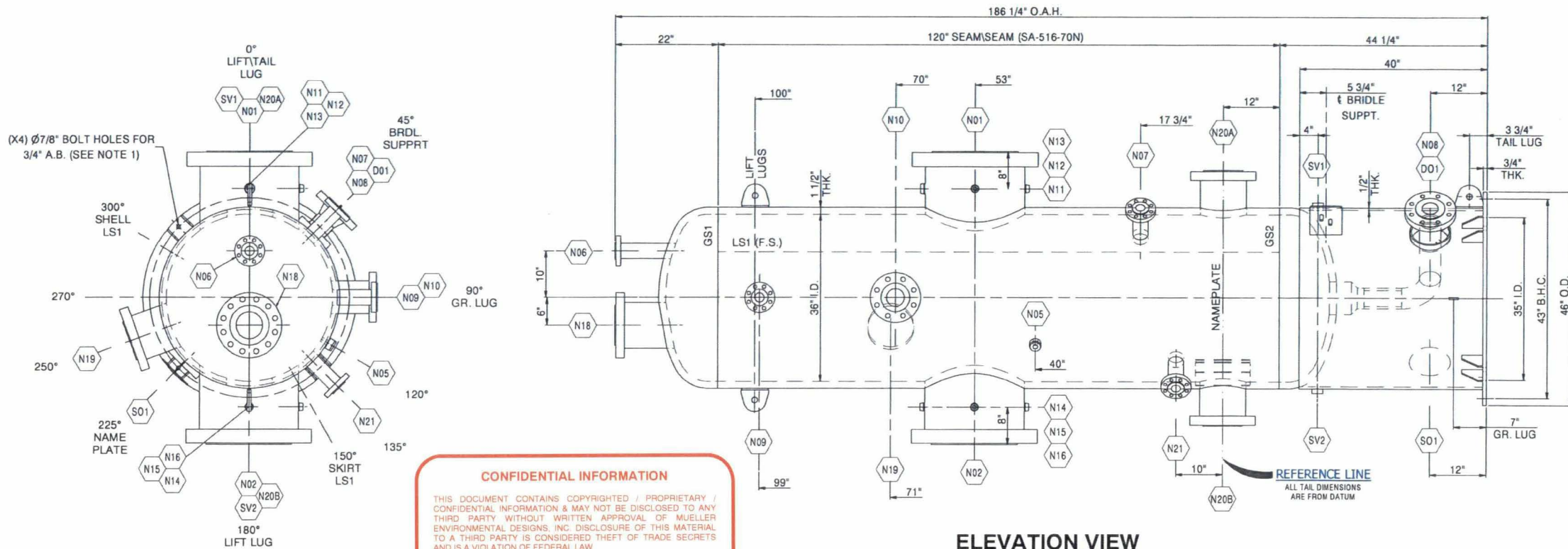


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PLAN VIEW
(TRUE ORIENTATION)

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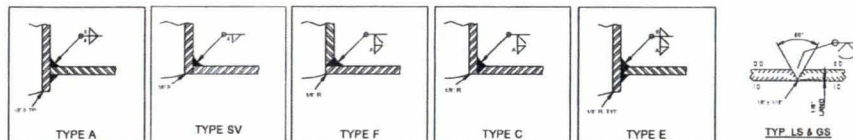
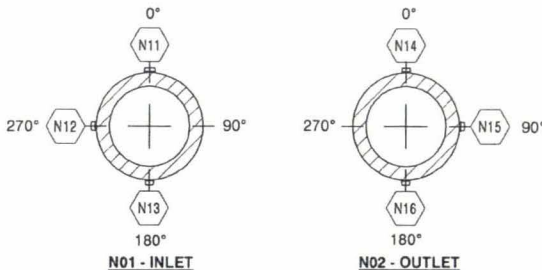
Jun 15, 2017

GENERAL NOTES:

- ALL BOLT HOLES TO STRADDLE NORMAL VESSEL CENTER LINES UNLESS OTHERWISE NOTED.
- SHELL & HEAD MATERIALS SHALL BE UT EXAMINED PER ANS/ASTM A435-(LATEST REV) AFTER FORMING.
- NATIONAL BOARD NUMBER TO BE ISSUED AT TIME OF HYDROSTATIC TESTING.
- NOZZLES SHALL BE PAINTED ON THE FLANGE EDGES, INSIDE BOLT HOLES AND UP TO THE GASKET SEATING SURFACE. DO NOT PAINT THE GASKET SEATING SURFACE. AFTER PAINTING, GASKET SEATING SURFACES SHALL BE CLEANED IN A MANNER TO PROTECT THE INTEGRITY OF THE SEATING SURFACE.
- REINFORCING PADS ARE TO BE FORMED TO THE CONTOUR OF HEAD OR SHELL TO WHICH IT IS BEING ATTACHED AND SHALL HAVE A 1/8\"/>
- SHIPPING
- PRIOR TO SHIPPING, VESSEL SHALL BE CLEAN & DRY ON THE INTERIOR.
- PROTECT ALL MACHINED SURFACES WITH HEAVY GREASE.
- NOZZLES WITHOUT BLIND FLANGE/DAVIT ARM ASSEMBLY SHALL HAVE A PLASTIC OR PLYWOOD COVER ATTACHED TO PROTECT THE FLANGE FACE AND COVER THE NOZZLE OPENING. A QUANTITY OF (4) BOLTS WILL BE USED TO SECURE THE COVER.
- NOZZLES CONTAINING A BLIND FLANGE/DAVIT ARM ASSEMBLY WILL HAVE A TEMPORARY PROTECTIVE BARRIER PLACED BETWEEN MATING SURFACES. A QUANTITY OF (4) STUD BOLTS WILL BE USED TO SECURE THE BLIND FLANGE TO THE NOZZLE.
- BRIDLES & LEVEL CONTROLLERS WILL BE SHIPPED LOOSE.
- IT IS THE CUSTOMERS RESPONSIBILITY TO INSERT SERVICE GASKET AND TORQUE STUDS AFTER RECEIPT OF VESSEL.
- BOLTING
- PROPER TORQUING OF ALL HARDWARE SHOULD BE DONE IN ACCORDANCE WITH ASME STANDARD B18.16.1. IMPROPER TORQUING OR PROCEDURE MAY RESULT IN FLANGE SEAL FAILURE/DAMAGE GASKETS AND OR HARDWARE.
- MUELLER ENVIRONMENTAL DESIGNS IS NOT RESPONSIBLE FOR THIS PROCEDURE.
- IF BLIND IS REQUIRED SEE MATERIAL LIST FOR STUD AND GASKET

****USE PLASTIC NOZZLE COVERS****

ELEVATION VIEW



NOZZLE SCHEDULE

MARK	SERVICE	SIZE	FLANGE			NOZZLE			ATTACHMENT WELDS				REPAD	BLIND (SEE**)	REMARKS
			TYPE	RATING	FACE	SCH/THK	O.S. PROJ.	I.S. PROJ.	TYPE	A	B	C			
N01	INLET	16"	HB	600#	RF	2.69"	12"	2" SQ.	E	3/8"	1/2"	-	-	NO	-
N02	GAS OUT	16"	HB	600#	RF	2.69"	12"	2" SQ.	E	3/8"	1/2"	-	-	NO	-
N05	DUMP MAN CLEAN	1"	TOL	6000#	-	-	1 9/16"	-	F	3/8"	-	-	-	NO	W/ PLUG
N06	TSV / MAN VENT	2"	LWN	600#	RF	.655"	SEE ELEV.	Gr. Flush	C	3/8"	-	-	-	NO	-
N07	BRIDLE SLUG HI	2"	LWN	600#	RF	.655"	8"	Gr. Flush	C	3/8"	-	-	-	NO	-
N08	BRIDLE SLUG LO	4"	FORG	600#	RF	SCH. 160	SEE ELEV.	Gr. Flush	C	3/8"	-	-	-	NO	-
N09	SPARE	2"	LWN	600#	RF	.655"	8"	Gr. Flush	C	3/8"	-	-	-	YES	W / HARDWARE
N10	DOWNCOMER HI	4"	HB	600#	RF	1.615"	8"	Gr. Flush	C	3/8"	-	-	-	NO	-
N11	INJECTION	1"	TOL	6000#	-	-	1 9/16"	-	F	3/8"	-	-	-	NO	W/ PLUG
N12	DP INLET	3/4"	TOL	6000#	-	-	1 7/16"	-	F	3/8"	-	-	-	NO	W/ PLUG
N13	SPARE	3/4"	TOL	6000#	-	-	1 7/16"	-	F	3/8"	-	-	-	NO	W/ PLUG
N14	PI CLEAN	3/4"	TOL	6000#	-	-	1 7/16"	-	F	3/8"	-	-	-	NO	W/ PLUG
N15	DP CLEAN	3/4"	TOL	6000#	-	-	1 7/16"	-	F	3/8"	-	-	-	NO	W/ PLUG
N16	TI CLEAN	3/4"	TOL	6000#	-	-	1 7/16"	-	F	3/8"	-	-	-	NO	W/ PLUG
N18	INSP HEL DECK	6"	HB	600#	RF	2.06"	SEE ELEV.	Gr. Flush	C	3/8"	-	-	-	YES	W / HARDWARE
N19	INSP HEL SUMP	6"	HB	600#	RF	2.06"	8"	Gr. Flush	C	3/8"	-	-	-	YES	W / HARDWARE
N20A/B	INSP SLUG	6"	HB	600#	RF	2.06"	8"	Gr. Flush	C	3/8"	-	-	-	YES	W / HARDWARE
N21	DOWNCOMER LO	2"	LWN	600#	RF	.655"	8"	Gr. Flush	C	3/8"	-	-	-	NO	-
DO	DRAIN OPENING	8"	-	-	-	SCH. 40	1"	1"	A	1/4"	1/4"	-	-	NO	-
SO1	SKIRT OPENING #1	8"	-	-	-	SCH. 40	1"	1"	A	1/4"	1/4"	-	-	NO	-
SV1/2	SKIRT VENT	2"	-	-	-	SCH. 40	1"	GR. FLUSH	SV	1/8"	-	-	-	NO	-

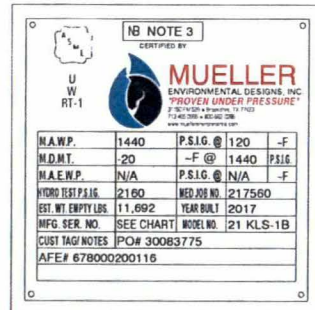
TAG INFORMATION

TAG NO. #	SERIAL NO. #	N.B. NO. #
217560A	3999	LATER
217560B	4000	LATER

22-217560-05	TRV ASSEMBLY DETAILS
22-217560-04A	P-TRAP PIPE SPOOL DETAILS
22-217560-04	P-TRAP ASSEMBLY DETAILS
22-217560-03	DUMP SYSTEM DETAILS
22-217560-02	DUMP SPOOL DETAILS
22-217560-01	BRIDLE ASSEMBLY DETAILS
21-217560-10	MATERIAL MAP
21-217560-09	WELD MAP
21-217560-08	ASSEMBLY-LIFT-VERTICAL-6"-600#
21-217560-07	ASSEMBLY-LIFT-HORIZ.-6"-600#
21-217560-06	INTERNAL DETAILS
21-217560-05	INTERNAL DETAILS
21-217560-04	DETAILS
21-217560-03	MATERIAL LIST
21-217560-02	BILL OF MATERIAL
21-217560-01	NOZZLE LOCATION / DESIGN DATA
21-217560-GA	GENERAL ARRANGEMENT
DRAWING	DESCRIPTION

REFERENCE DRAWINGS

M			
L			
K			
J			
I			
H			
G			
F			
E			
D			
C			
B			
A	ISSUED FOR FABRICATION	LS	6/7/2017
REV	DESCRIPTION	DRAWN	DATE



DESIGN DATA

ASME SECTION VIII DIV.1	EDITION	2015	ADDENDA	N/A
SYMBOL APPLIED	YES	X	NO	N.B. REG.
DESIGN PRESSURE	1440	TEMPERATURE	120°F	YES
EXTERNAL PRESSURE	N/A	TEMPERATURE	N/A°F	X

CORROSION ALLOWANCE

SHELLS	0.125	HEADS	0.125	NOZZLE	0.125	SUPPORTS	N/A
PWHT	TEMP	N/A	TIME	N/A	LETHAL DESIGN	YES	NO
RADIOGRAPHY	FULL	X	SPOT	NONE	YES	NO	X

OTHER [SEE NOTE 3]

UW-11(a)(5)(b)	YES		NO	X	
JOINT EFFICIENCY	HEADS	1	SHELLS	1	
MAWP	1440 PSI	@	120°F	LIMITED BY	DESIGN
MDMT	-20 °F	@	1440 PSI		

IMPACT TEST	YES	X	NO	PER-UG-84	
DESIGN LIQUID LEVEL	FULL			SPECIFIC GRAVITY	1
SEISMIC DESIGN	CLASS C			WIND LOAD	115
INSULATION	No			FIREPROOFING	No

ESTIMATED WEIGHTS	FABRICATED	11,692 LBS	SHIPPING	11,692 LBS
	OPERATING	16,840 LBS	DRESSED LIFT	11,692 LBS
	EMPTY	11,692 LBS		
	SHOP TEST	16,839 LBS		

MATERIALS / ASME DESIGNATIONS

APPROVED MFG. LIST	YES	NO	X			
ORIGIN RESTRICTIONS	G7 COUNTRIES					
SHELLS	SA-516-70N		SUPPORTS		SA-516-70	
HEADS	SA-516-70N					
FORGING	SA-105					
PLUGS	SA-105					
PIPE	SA-106B		SMLS.REQ.	YES	X	NO
PLATE NOZZLE NECKS	N/A		XRAY SEAM	YES	X	NO
FLANGES	SA-105		FACE FINISH	250		
FITTINGS	SA-234WPB					
STUDS	SA-193-B7		COATING	ZINC		
NUTS	SA-194-2H		COATING	ZINC		
GASKETS	SPIRAL WOUND 304 S.S. FLEXIBLE W/ GRAPHITE FILLER "CGI"					

INSPECTION & TESTING

SHOP HYDRO PRESSURE	2,160 PSIG	HOLD TIME	4 HOURS
TEST POSITION	HORIZONTAL	X	OPERATING
CHART	YES	X	NO
REPAD TEST PRESSURE	N/A		
TEST GASKET	SPIRAL WOUND 304 S.S. FLEXIBLE W/ GRAPHITE FILLER "CG"		
TEST BOLTING	SA-193-B7/SA-194-2H		

SEE QUALITY PLAN FOR THESE ADDITIONAL TESTING REQUIREMENTS

ULTRASONIC TESTING	YES	X	NO
MAG PARTICLE TESTING	YES	X	NO
DYE PENETRANT TESTING	YES	X	NO
OTHER	-		

CUSTOMER INSPECTION

YES	X	NO
-----	---	----

SURFACE PREPARATION & PAINTING

EXTERNAL SPECIFICATION	ETP SPEC. DOCUMENT No.: 6.0303
BLAST	SSPC-SP-10
PRIME	(1) COAT CARBOLINE CARBOGUARD 890: 1.5-3 MILS DFT COLOR "GREEN"
INTERMEDIATE	(1) COAT CARBOLINE CARBOGUARD 890: 1.5-3 MILS DFT COLOR "RED"
FINISH	(1) COAT CARBOLINE CARBOTHANE 134 HG: 2-3 MILS DFT
FINISH COLOR	CARBOLINE (P204) "TAN"

INTERNAL SPECIFICATION	N/A	SYSTEM	N/A
INTERNAL WELD PREP	N/A		

REFERENCE SPECIFICATION & STANDARDS

ETP GENERAL WELDING REQUIREMENTS-DOCUMENT No.: 030
ETP NONDESTRUCTIVE EXAMINATION-DOCUMENT No.: ETWS.060
ETP COATING FOR ABOVE GROUND PIPING OR STRUCTURES-DOCUMENT No.: 6.0303

WELD PROCEDURES

MED GMAW FCAW REV. 1; MED GMAW SAW REV. 1
MED SAW AC REV. 0; MED GTAW SMAW REV. 0

TAYLOR COMPRESSOR STATION

MUELLER
ENVIRONMENTAL DESIGNS, INC.
PROVEN UNDER PRESSURE
31150 FM 828 PH 713 465 0995
BROOKSHIRE, TX 77423 FAX 713 465 0997
WWW.MUELLERENVIRONMENTAL.COM

TITLE
MED MODEL 21 KLS-1B
HELICAL COIL SEPARATOR
NOZZLE LOCATION / DESIG DATA
36" I.D. X 120" S/S

CUSTOMER
ENERGY TRANSFER

CANTON, PA
CUSTOMER ORDER No.
30083775
QUOTE No.
Q217131 R2

SO No.
217560
DRAWING No.
21-217560-01

SIGNATURE
DATE
5/17/2017

DRAWN BY: LS
CHECKED BY: GK
IN HOUSE APP'D:

[illegible]

PLAN VIEW

ITEM#	QTY	PART/DWG#	MATERIAL LIST DESCRIPTION	MATERIAL	REMARKS
1	1		MED MODEL 21 KLS-1B 36" I.D. X 120" S/S	-	DWG: 21-217560-01
2	1	D6-600-DV-HORZ	ASSEMBLY-LIFT-HORIZONTAL, 6"-600#	-	DWG: 21-217560-07
3	3	D6-600-DV-VERT	ASSEMBLY-LIFT-VERTICAL, 6"-600#	-	DWG: 21-217560-08
4	4	G6-600-B16-20-304-CGI	GASKET-6"-600# TYPE "CGI" SPIRAL WOUND 304 SS INNER RING W/FLEXIBLE GRAPHITE FILLER	304 SS	-
5	48	S1-B-87-7.00-6-600	STUD-1"-8 X 7" LG. W/ (2) HH EA NUTS 2H PLATED-6"-600#	SA-193-B7/SA-194-2H	-
6	1	F2-600-RFBLD-SA105	FLANGE-2"-600# RF BLIND	SA-105	-
7	1	G2-600-B16-20-304-CGI	GASKET-2"-600# TYPE "CGI" SPIRAL WOUND 304 SS INNER RING W/FLEXIBLE GRAPHITE FILLER	304 SS	-
8	8	S.625-11-B7-4.5-2-600	STUD-5/8"-11 X 4 1/2" LG. W/ (2) HH NUTS EA PLATED - 2"-600#	SA-193-B7/SA-194-2H	-
9	2	1-6000-HP-105	PLUG-1" 6000# HEX HEAD	SA-105	-
10	5	75-6000-HP-105	PLUG-3/4" 8000# HEX HEAD	SA-105	-
11	1	140-AG-00-LO	GAUGE- DIFFERENTIAL PRESSURE-MODEL 140 SERIES; ALUM \316L SS; 4 1/2" DIAL; BUNA-N SEAL; 1/4" FNPT BACK CONNECTION (0-100 PSID)	-	MIDWEST
12	2	LM-02362	BALL VALVE-1/4" FEMALE FNPT. CS/316 SS, 3000# PSI (NOT SHOWN)	CS/316L SS	BALON

NOTES:
1. QUANTITIES LISTED ON THIS DRAWING REFLECT ONE (1) UNIT. TWO (2) UNITS REQUIRED.
2. A 5% OVERSTOCK IS TO BE SUPPLIED FOR ALL FIELD INSTALLED HARDWARE.
3. ALL BOLTING LENGTHS REFER TO FIRST THREAD

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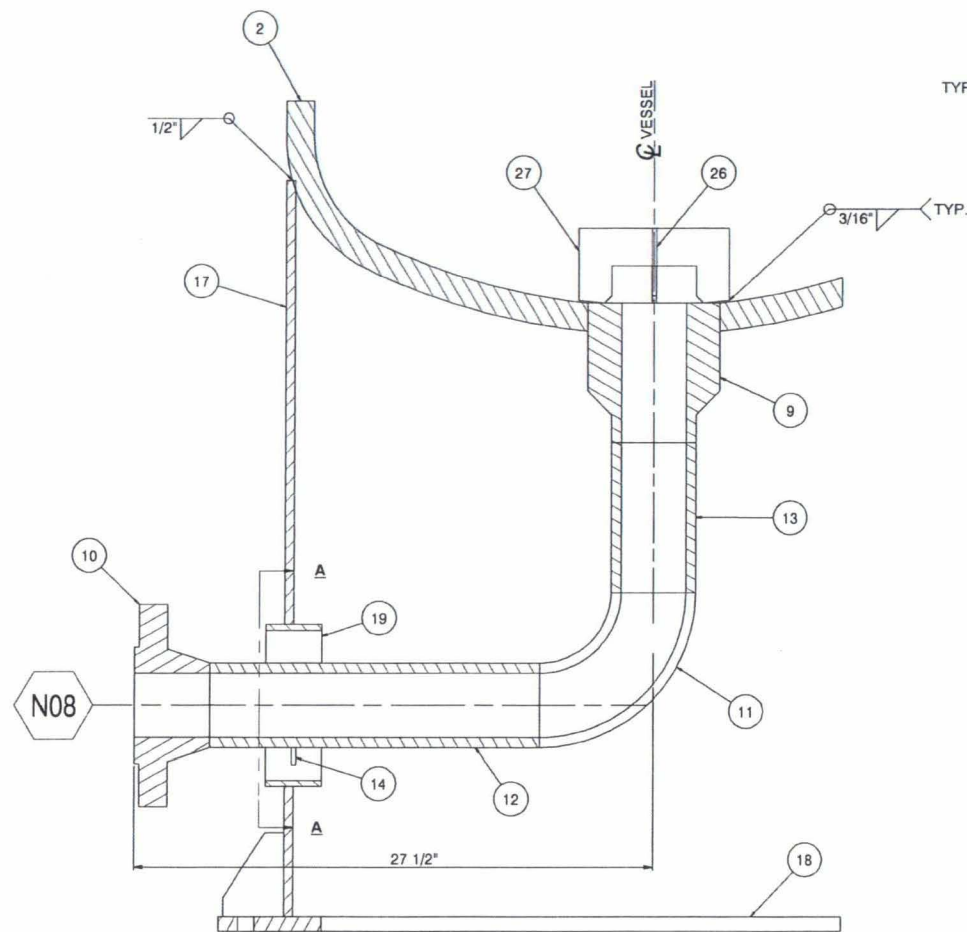
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Jun 15, 2017

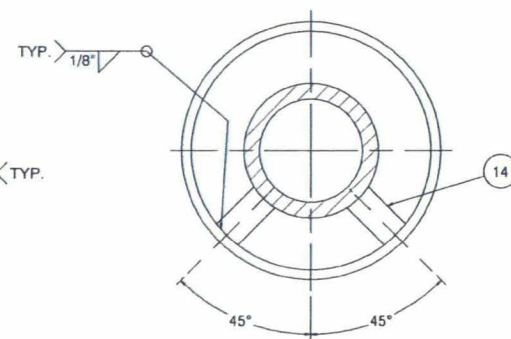
TAYLOR COMPRESSOR STATION

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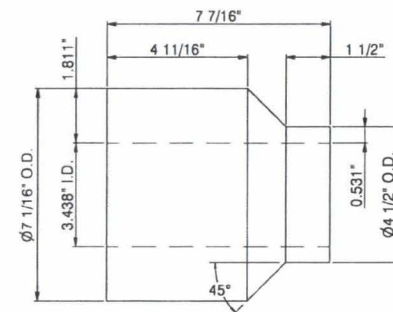
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DETAIL N08

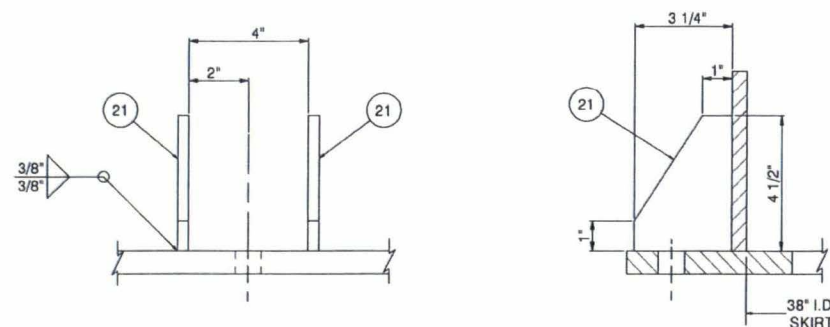


SECTION A-A

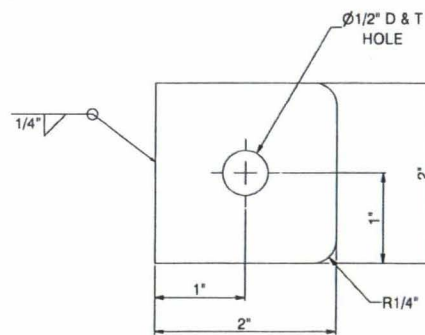


ITEM #9 N08 FORGING

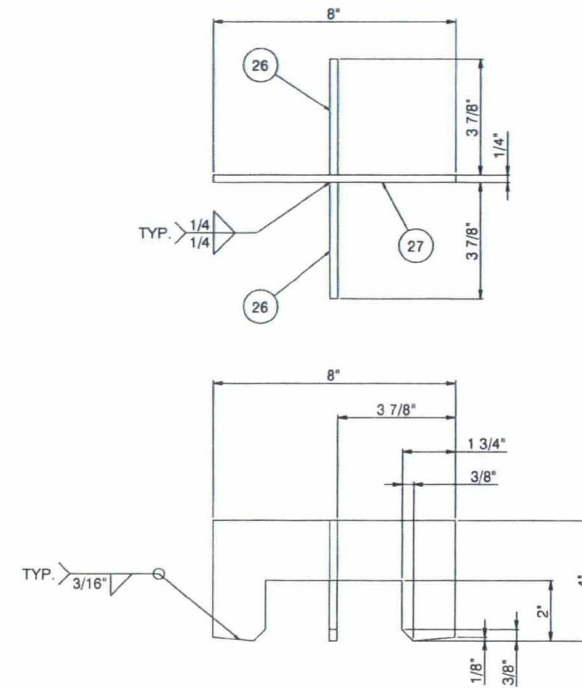
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Jun 15, 2017



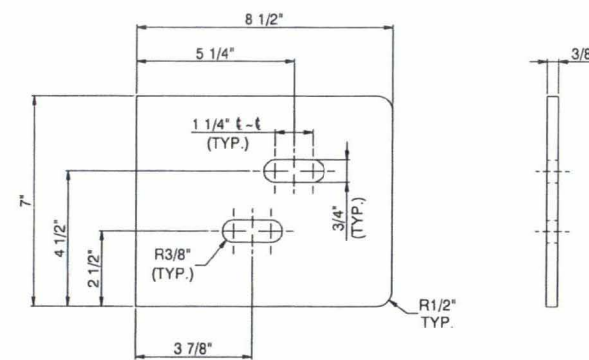
SKIRT GUSSET DETAIL



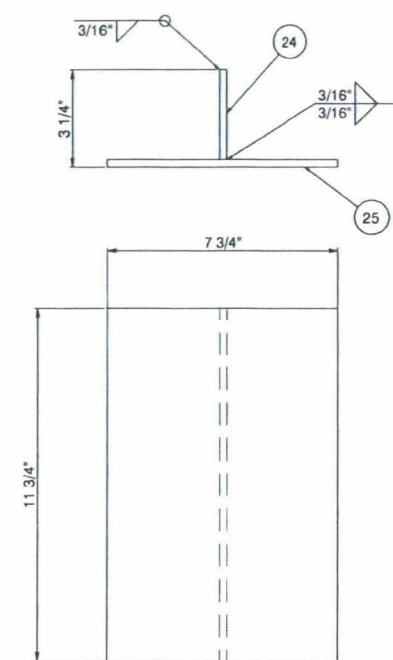
ITEM #22 GROUND LUG



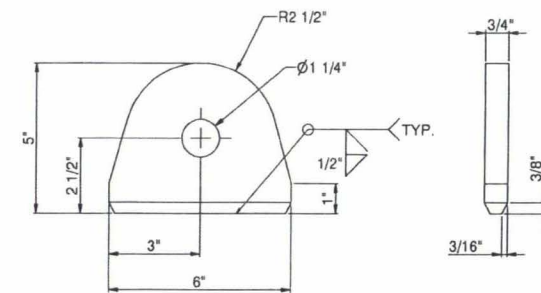
ITEM #26/27 VORTEX BREAKER DETAIL



ITEM #28 SLUG BRIDLE SUPPORT



ITEM #24/25 NAME PLATE DETAIL



ITEM #23 LIFT/TAILO LUG

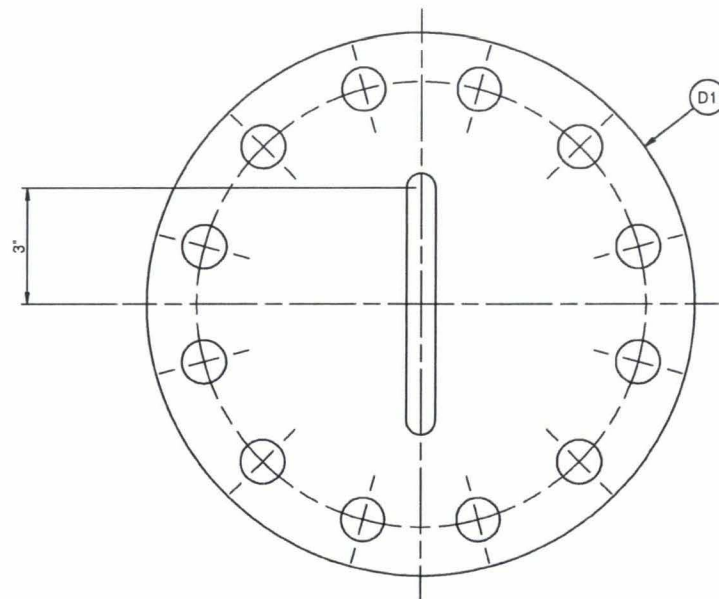
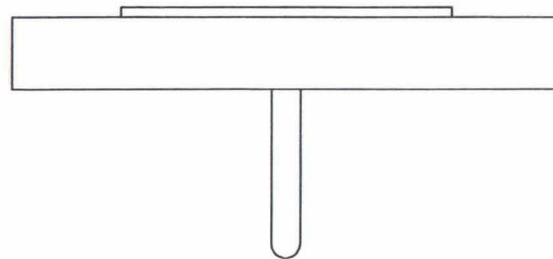
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TAYLOR COMPRESSOR STATION				CUSTOMER	
				ENERGY TRANSFER	
				CANTON, PA	
				CUSTOMER ORDER No.	
				30083775	
				QUOTE No.	
				Q217131 R2	
				SO No.	
				217560	
				DRAWING No.	
				21-217560-04	

FABRICATION TOLERANCE		FABRICATION STANDARDS	
ALL FABRICATED PARTS MUST		ALL WELDED BEAMS ARE PER ASME	
COMPLY WITH MUELLER		SECTION VIII DIV 1 & DIV 2 UNLESS	
ENVIRONMENTAL DESIGNS		OTHERWISE SPECIFIED	
SPECIFICATION		ANY DEVIATION FROM THESE	
MED-PV-SPEC-001 REV 0		CONSTRUCTION DOCUMENTS BY ANY	
		SUBCONTRACTOR WILL NOT BE	
		ACCEPTABLE UNLESS APPROVED BY	
		A MUELLER INSPECTOR	

MUELLER		ENVIRONMENTAL DESIGNS, INC.	
PROVEN UNDER PRESSURE		PH 713 465 0995	
31150 FM 529		BROOKSHIRE, TX 77423	
WWW.MUELLERENVIRONMENTAL.COM		FAX 713 465 0997	

MED MODEL 21 KLS-1B		HELIICAL COIL SEPARATOR	
DETAILS		36\"/>	
DRAWN BY:		LS	
CHECKED BY:		GK	
IN HOUSE APPD:		6-8-17	
DATE		5/18/2017	



6" LIFT ASSEMBLY
(N18)

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Jun 15, 2017

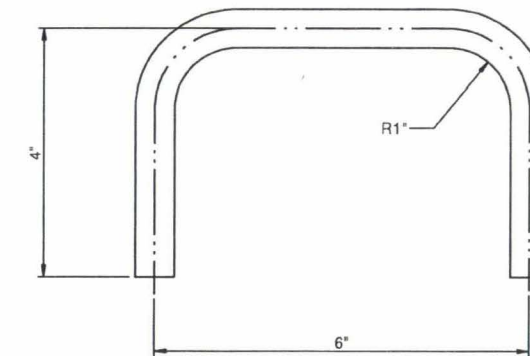
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MATERIAL LIST				
ITEM#	QTY	DESCRIPTION	MATERIAL	REMARKS
D1	1	FLANGE-6"-600# RF BLIND	SA-105	-
D3	1	RB-3/4" DIA. X APPROX. 14" LG (HANDLE)	SA-36	-

NOTE:

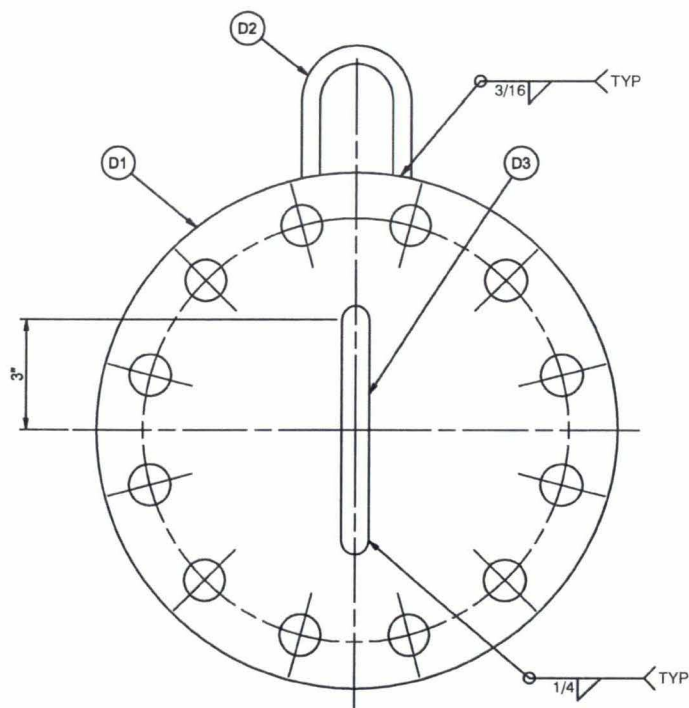
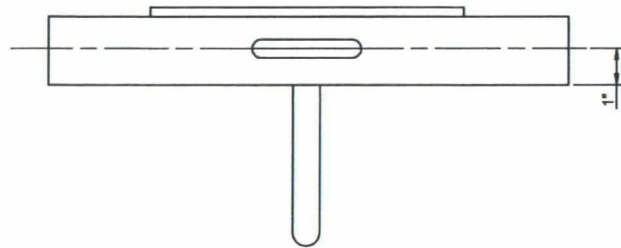
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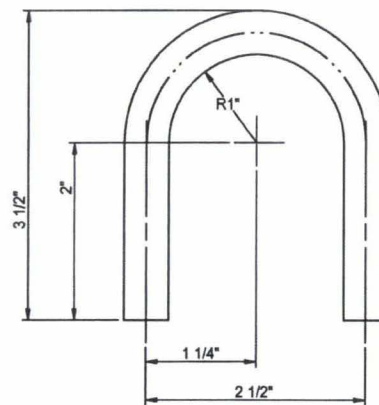
ITEM D2 - HANDLE DETAIL

TAYLOR COMPRESSOR STATION

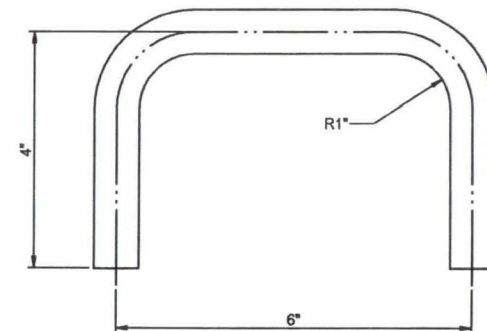
K					MUELLER ENVIRONMENTAL DESIGNS, INC. P.O. BOX 130882 PH 713.465.0995 HOUSTON, TX 77219 FAX 713.465.0997 WWW.MUELLERENVIRONMENTAL.COM	CUSTOMER ENERGY TRANSFER	
J							
I							
H							
G				FABRICATION TOLERANCE ALL FABRICATED PARTS MUST COMPLY WITH MUELLER ENVIRONMENTAL DESIGNS SPECIFICATION MED-PV-SPEC-001 REV B	TITLE MED MODEL 21 KLS-1B HELICAL COIL SEPARATOR ASSEMBLY-LIFT-HORIZONTAL-6"-600# 36" I.D. X 120" S/S	CANTON, PA	
F						CUSTOMER ORDER No.	
E						30083775	
D						QUOTE No.	
C				FABRICATION STANDARDS ALL WELDED SEAMS ARE PER ASME SEC VIII DIV 1 & SEC IX UNLESS OTHERWISE SPECIFIED ANY DEVIATION FROM THESE CONSTRUCTION DOCUMENTS BY ANY SUBCONTRACTOR WILL NOT BE ACCEPTABLE UNLESS APPROVED BY A MUELLER INSPECTOR	SIGNATURE DATE	Q217131 R2	
B						SO No.	
A	ISSUED FOR FABRICATION	LS	6/7/2017			217560	
REV.	DESCRIPTION	DRAWN	DATE			DRAWING No.	
						21-217560-07	



6" LIFT ASSEMBLY
(N19, N20A, N20B)



ITEM D2 - LUG DETAIL



ITEM D3 - HANDLE DETAIL

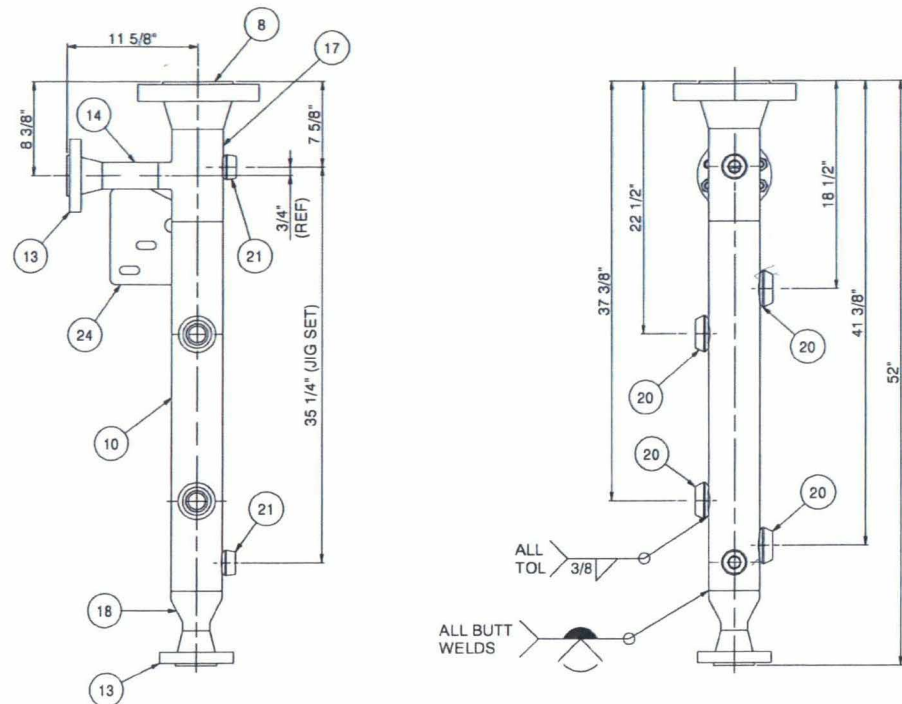
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MATERIAL LIST				
ITEM#	QTY	DESCRIPTION	MATERIAL	REMARKS
D1	1	FLANGE-6"-600# RF BLIND	SA-105	-
D2	1	RB-1/2" X 7" PER SKETCH	SA-36	-
D3	1	RB-3/4" DIA. X APPROX. 14" LG (HANDLE)	SA-36	-

NOTE:
1. QUANTITIES LISTED ON THIS DRAWING REFLECT ONE (1) UNIT. SIX (6) UNITS REQUIRED.

K				 MUELLER ENVIRONMENTAL DESIGNS, INC. P.O. BOX 130882 PH 713.465.0995 HOUSTON, TX 77219 FAX 713.465.0997 WWW.MUELLERENVIRONMENTAL.COM	CUSTOMER ENERGY TRANSFER			
J								
I								
H								
G								
F				FABRICATION TOLERANCE ALL FABRICATED PARTS MUST COMPLY WITH MUELLER ENVIRONMENTAL DESIGNS SPECIFICATION MED-PV-SPEC-001 REV0	TITLE MED MODEL 21 KLS-1B HELICAL COIL SEPARATOR ASSEMBLY-LIFT-VERTICAL-6"-600# 36" I.D. X 120" S/S		CANTON, PA	
E							CUSTOMER ORDER No.	
D							30083775	
C							QUOTE No.	
B							Q217131 R2	
				FABRICATION STANDARDS ALL WELDED SEAMS ARE PER ASME SEC VIII DIV 1 & SEC IX UNLESS OTHERWISE SPECIFIED ANY DEVIATION FROM THESE CONSTRUCTION DOCUMENTS BY ANY SUBCONTRACTOR WILL NOT BE ACCEPTABLE UNLESS APPROVED BY A MUELLER INSPECTOR	SIGNATURE		DATE	SO No.
A	ISSUED FOR FABRICATION	LS	6/7/2017		DRAWN BY:	LS	5/18/2017	217560
REV.	DESCRIPTION	DRAWN	DATE		CHECKED BY:			DRAWING No.
					IN HOUSE APPD.			21-217560-08

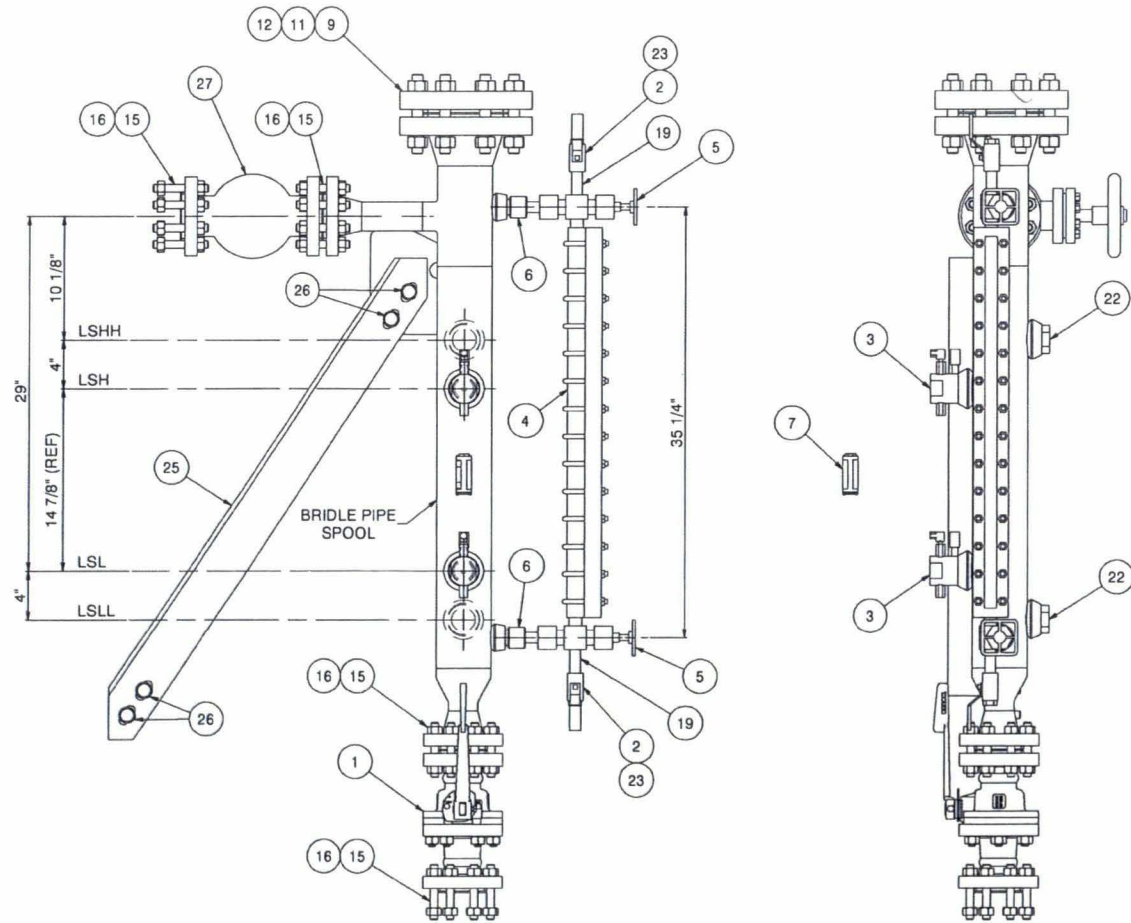
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ELEVATION VIEW

SIDE VIEW

BRIDLE PIPE SPOOL



ELEVATION VIEW

SIDE VIEW

		MATERIAL LIST		MATERIAL	REMARKS
ITEM#	QTY	PART/DWG#	DESCRIPTION		
1	1	2F-F63 NRF	VALVE-BALL- FLANGED-2" 600#	A-216WCB	BALON
2	2	LM-05361	BALL VALVE-1/2" FEMALE FNPT, CS/316 SS, 3000# PSI	316 SS	BALON
3	2	P120 -91-10	PATHWAY CONTROL P120 SERIES LEVEL CONTROL 1 1/2" NPT PROCESS CONNECTION	316 SS	PATHWAY CONTROL
4	1	R100-36	SIGHT GLASS LEVEL GAGE-R100 SERIES (35 1/4" C-C)	-	INFERNO
5	2	FT15	SINGLE UNION W/3/4" MNPT-UNION PROCESS/1/2" FNPT RIGID GAGE/1/2" FNPT RIGID VENT	SA-316	INFERNO
6	2	13360	ADAPTER, 1"-11.5 MNPT X 3/4"-14 FNPT (MFG. INFERNO)	SA-105	INFERNO
7	1	BSP-3308-316-PPR	VALVE-3 WAY-2 POSITION PNEUMATIC RELAY	-	VERSA
8	1	F4-600-160-RFWN-105-SA	FLANGE-4"-600#-SCH 160 RFWN	SA-105	-
9	1	F4-600-RFBLD-SA105	FLANGE-4"-600# RF BLIND	SA-105	-
10	1	-	PIPE-4" SCH 160 X 32 7/8" LG.	SA-106B	-
11	1	G4-600-B16-20-304-CGI	GASKET-4"-600# TYPE "CGI" SPIRAL WOUND 304 SS INNER RING W/FLEXIBLE GRAPHITE FILLER	304 SS	-
12	8	S 875-9-B7-6 5-4-600	STUD-7/8"-9 X 6 1/2" LG. W/ (2) HH NUTS EA PLATED-4"-600#	A193-B7/A194-2H	-
13	2	F2-600-160-RFWN-SA105	FLANGE-2"-600#-SCH 160 RFWN	SA-105	-
14	1	-	PIPE-2" SCH 160 X 5" LG.	SA-106B	-
15	4	G2-600-B16-20-304-CGI	GASKET-2"-600# TYPE "CGI" SPIRAL WOUND 304 SS INNER RING W/FLEXIBLE GRAPHITE FILLER	304 SS	-
16	32	S 625-11-B7-4 5-2-600	STUD-5/8"-11 X 4 1/2" LG. W/ (2) HH NUTS EA PLATED - 2"-600#	A193-B7/A194-2H	-
17	1	-	TEE REDUCING-4"X2"-SCH.160	SA-234WPB	-
18	1	RED4-2-160-234B	REDUCER- 4" TO 2", SCH. 160	SA-234WPB	-
19	2	-	PIPE NIPPLE, 3/4" SCH 160 x 3" LG. T.B.E.	SA-106B	-
20	4	-	TOL- 1 1/2"-6000#	SA-105	-
21	2	-	TOL- 1"-6000#	SA-105	-
22	2	1.5-6000-HP-105	PLUG-1 1/2" 6000# HEX HEAD	SA-105	-
23	2	50-6000-HP-105	PLUG-1/2" 6000# HEX HEAD	SA-105	-
24	1	-	PLATE-3/8" THK. X 5 1/2" X 8 1/2"	SA-36	-
25	1	-	4" X 4" X 3/8" X 47 1/8" LG.	SA-36	-
26	4	-	5/8"-11 UNC HEAVY HEX BOLT X 2 1/2" LG. W/HEX NUT & (2) FW	GR8	-
27	1	101118	VALVE, GLOBE, 2 IN, CLASS 600, FLANGED, RAISED FACE, WCB CARBON STEEL CAST BODY,	-	DSI

*NOTE:

- QUANTITIES LISTED ON THIS DRAWING REFLECT ONE (1) UNIT. TWO (2) UNITS REQUIRED.
- 5% OVERSTOCK IS TO BE SUPPLIED FOR ALL FIELD INSTALLED HARDWARE.
- PAINT:
BLAST: SSPC SP-10
PRIME: (1) COAT CARBOLINE CARBOGUARD 890: 1.5-3 MILS DFT COLOR "GREEN"
INTERMEDIATE: (1) COAT CARBOLINE CARBOGUARD 890: 1.5-3 MILS DFT COLOR "RED"
FINISH: (1) COAT CARBOLINE CARBOthane 134 HG: 2-3 MILS DFT
FINISH COLOR: CARBOLINE (P204) "TAN"
- SHOP HYDROTEST: 2160 PSI FOR 4 HOURS.

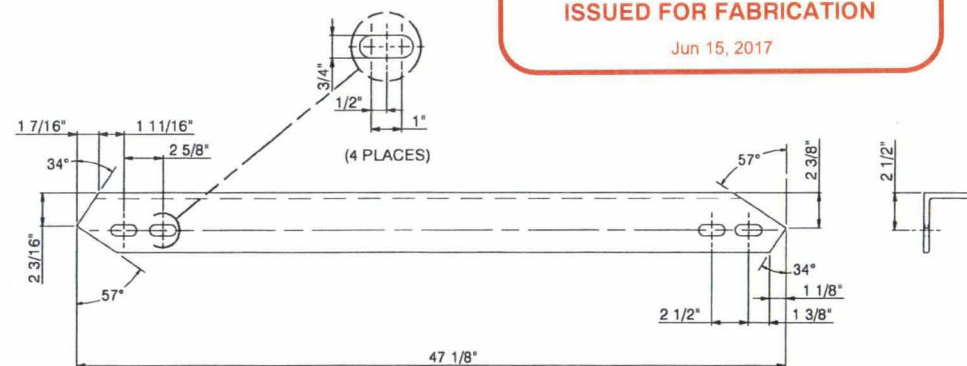
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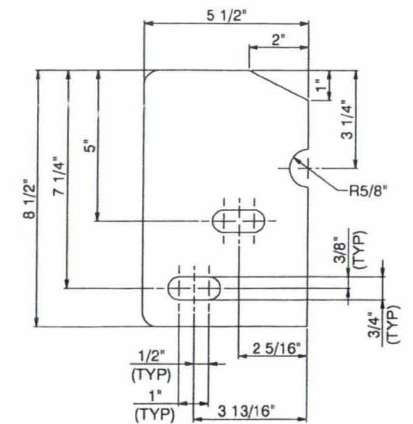
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Jun 15, 2017



DETAIL ITEM 25 - CHANNEL
SUPPORT

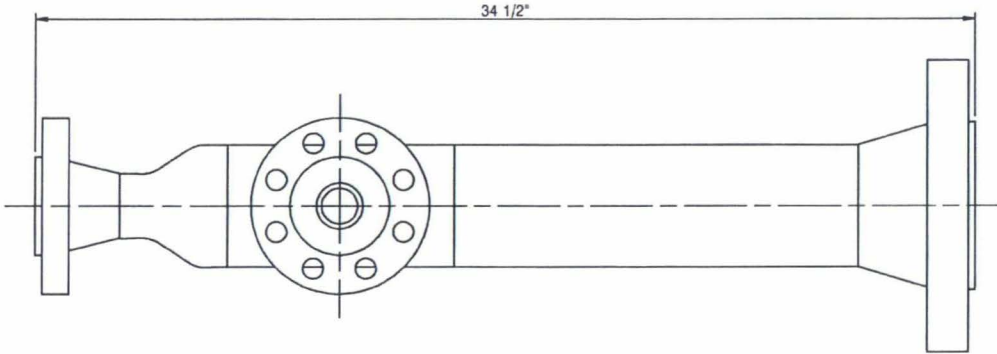


DETAIL ITEM - 24

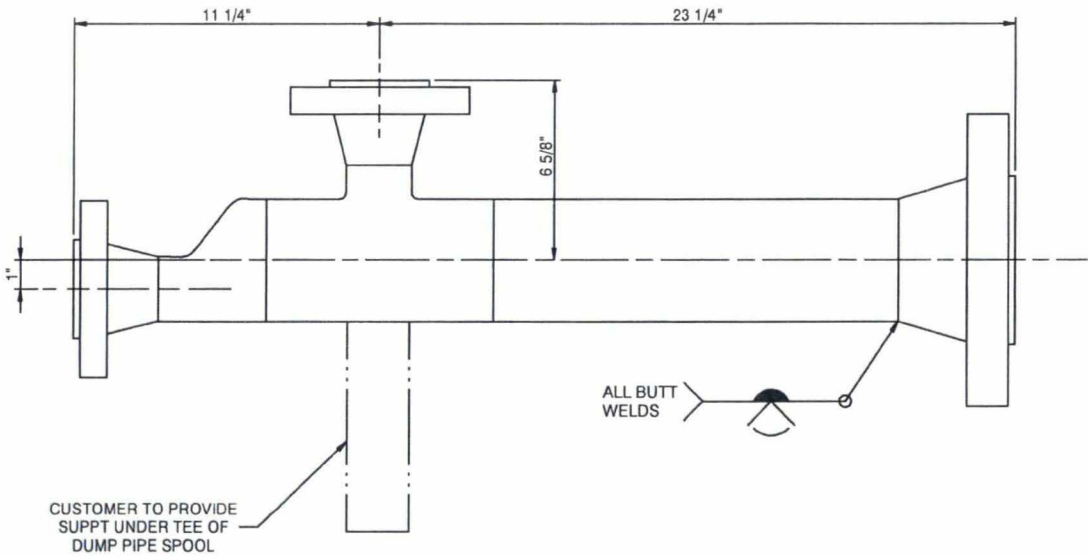
TAYLOR COMPRESSOR STATION

 MUELLER ENVIRONMENTAL DESIGNS, INC. "PROVEN UNDER PRESSURE" 31150 FM 528 BROOKSHIRE, TX 77423 PH 713.465.0995 FAX 713.465.0997 WWW.MUELLERENVIRONMENTAL.COM		CUSTOMER ENERGY TRANSFER	
FABRICATION TOLERANCE ALL FABRICATION PARTS MUST COMPLY WITH MUELLER ENVIRONMENTAL DESIGN SPECIFICATIONS MUELLER SPEC-001 REV 04		TITLE MED MODEL 21 KLS-1B HELICAL COIL SEPARATOR BRIDLE ASSEMBLY DETAILS 36" I.D. X 120" S/S	
FABRICATION STANDARDS ALL WELDED JOINTS AND FLANGES SHALL BE WELDED TO THE DESIGNER'S SPECIFICATIONS AND SHALL BE WELDED TO THE DESIGNER'S SPECIFICATIONS		CANTON, PA CUSTOMER ORDER NO. 30083775 QUOTE No. Q217131 R2 SO No. 217560 DRAWING No. 22-217560-01	
A ISSUED FOR FABRICATION REV DESCRIPTION REVISION HISTORY		LS 6/7/2017 DATE SIGNATURE DATE GK 6-8-17	

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PLAN VIEW



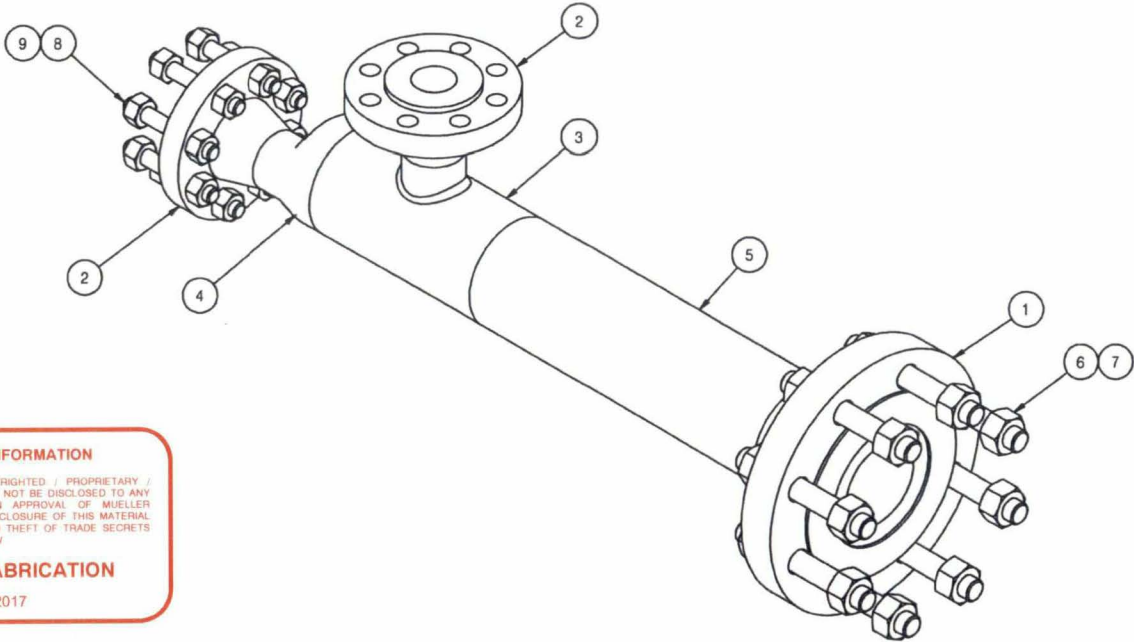
ELEVATION VIEW

MATERIAL LIST				
ITEM#	QTY	DESCRIPTION	MATERIAL	REMARKS
1	1	FLANGE-4"-600#-SCH 160 RFWN	SA-105	-
2	2	FLANGE-2"-600#-SCH 160 RFWN	SA-105	-
3	1	TEE REDUCING-4"X2"-SCH.160	SA-234WPB	-
4	1	REDUCER ECCENTRIC-4" X 2" SCH.160	SA-234WPB	-
5	1	PIPE-4" SCH 160 X 14 7/8" LG.	SA-106C	-
6	1	GASKET-4"-600# TYPE "CGI" SPIRAL WOUND 304 SS INNER RING W/FLEXIBLE GRAPHITE FILLER	304 SS	-
7	8	STUD-7/8"-9 X 6 1/2" LG. W/ (2) HH NUTS EA PLATED-4"-600#	SA193-B7/SA194-2H	-
8	1	GASKET-2"-600# TYPE "CGI" SPIRAL WOUND 304 SS INNER RING W/FLEXIBLE GRAPHITE FILLER	304 SS	-
9	8	STUD-5/8"-11 X 4 1/2" LG. W/ (2) HH NUTS EA PLATED - 2"-600#	SA193-B7/SA194-2H	-

*NOTE:

- QUANTITIES LISTED ON THIS DRAWING REFLECT ONE (1) UNIT. TWO (2) UNITS REQUIRED.
- 5% OVERSTOCK IS TO BE SUPPLIED FOR ALL FIELD INSTALLED HARDWARE.
- PAINT:
BLAST: SSPC SP-10
PRIME: (1) COAT CARBOLINE CARBOGUARD 890: 1.5-3 MILS DFT COLOR "GREEN"
INTERMEDIATE: (1) COAT CARBOLINE CARBOGUARD 890: 1.5-3 MILS DFT COLOR "RED"
FINISH: (1) COAT CARBOLINE CARBOthane 134 HG: 2-3 MILS DFT
FINISH COLOR: (P204) "TAN"
- SHOP HYDROTEST: 2160 PSI FOR 4 HOURS.

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Jun 15, 2017

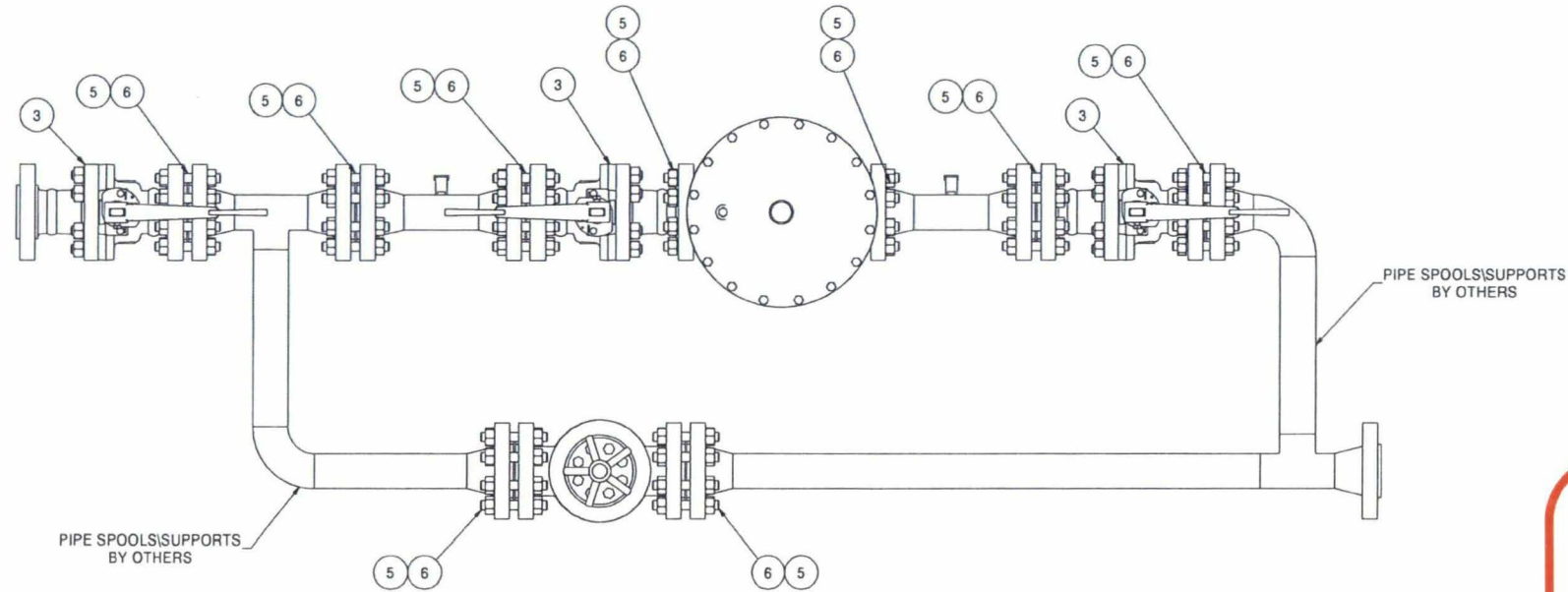
TAYLOR COMPRESSOR STATION

K					MUELLER ENVIRONMENTAL DESIGNS, INC. "PROVEN UNDER PRESSURE" 31150 FM 529 PH 713.465.0995 BROOKSHIRE, TX 77423 FAX 713.465.0997 WWW.MUELLERENVIRONMENTAL.COM	CUSTOMER ENERGY TRANSFER
J				FABRICATION TOLERANCE ALL FABRICATED PARTS MUST COMPLY WITH MUELLER ENVIRONMENTAL DESIGNS SPECIFICATION MED-PV-SPEC-001 REV 0	TITLE MED MODEL 21 KLS-1B HELICAL COIL SEPARATOR DUMP SPOOL DETAILS 36" I.D. X 120" S/S	CANTON, PA
I						
H				FABRICATION STANDARDS ALL WELDED BEAMS ARE PER ASME SEC VIII DIV 1, SEC II UNLESS OTHERWISE SPECIFIED ANY DEVIATION FROM THESE CONSTRUCTION DOCUMENTS BY ANY SUBCONTRACTOR WILL NOT BE ACCEPTABLE UNLESS APPROVED BY A MUELLER INSPECTOR	SIGNATURE DATE 5/18/2017	CUSTOMER ORDER No. 30083775
G						
F				DRAWN BY: LS CHECKED BY: GK IN HOUSE APPD.: 6-8-17	DATE 5/18/2017	QUOTE No. Q217131 R2
E						
D				ISSUED FOR FABRICATION LS 6/7/2017		SO No. 217560
C						
B				REV. DESCRIPTION DRAWN DATE		DRAWING No. 22-217560-02
A						

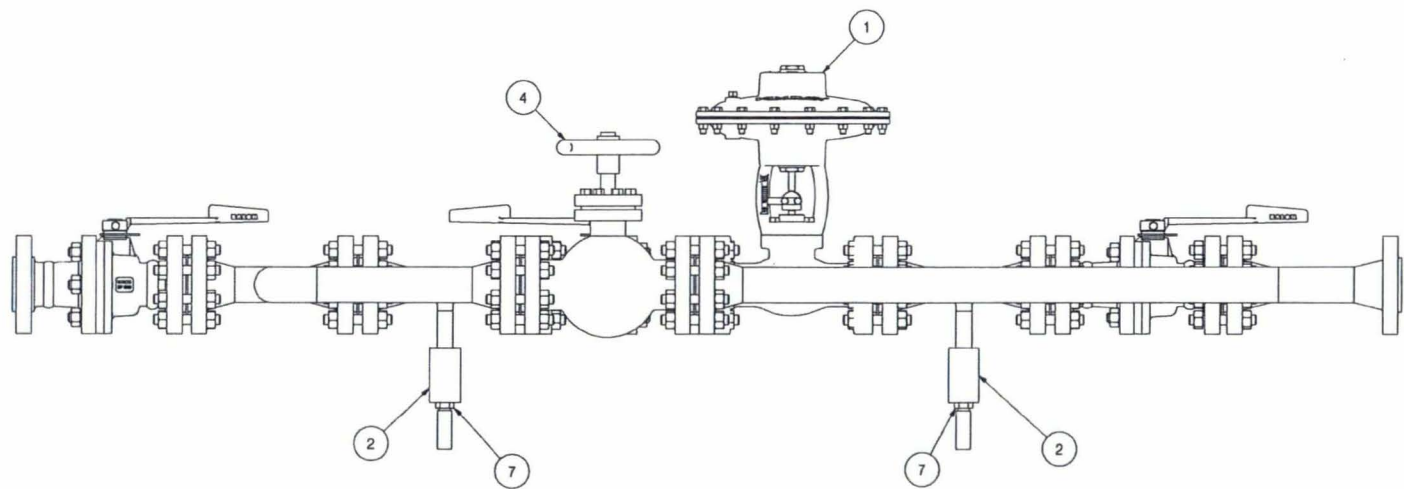
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MATERIAL LIST				
ITEM#	QTY	PART/DWG#	DESCRIPTION	MATERIAL
1	1	EGP 2-FMT-600RF-PO-3/8-IV-CB	VALVE- CONTROL, 2"-600# RF DUMP VALVE	-
2	2	LM-07362	BALL VALVE-3/4" FEMALE FNPT, CS/316 SS, 3000# PSI	CS/316 SS
3	3	2F-F63 NRF	VALVE-BALL- FLANGED-2" 600#	A-216WCB
4	1	101118	VALVE, GLOBE, 2 IN, CLASS 600, FLANGED, RAISED FACE, WCB CARBON STEEL CAST BODY,	CS/316 SS
5	9	G2-600-B16.20-304-CGI	GASKET-2"-600# TYPE "CGI" SPIRAL WOUND 304 SS INNER RING W/FLEXIBLE GRAPHITE FILLER	304 SS
6	72	S.625-11-B7.4.5-2-600	STUD-5/8"-11 X 4 1/2" LG. W/ (2) HH NUTS EA PLATED - 2"-600#	SA-193-B7/SA-194-2H
7	2	.75-6000-HP-105	PLUG-3/4" 6000# HEX HEAD	SA-105

NOTES:
1. QUANTITIES LISTED ON THIS DRAWING REFLECT ONE (1) UNIT. TWO (2) UNITS REQUIRED.
2. A 5% OVERSTOCK IS TO BE SUPPLIED FOR ALL FIELD INSTALLED HARDWARE.
3. ALL BOLTING LENGTHS REFER TO FIRST THREAD.



PLAN VIEW



ELEVATION VIEW

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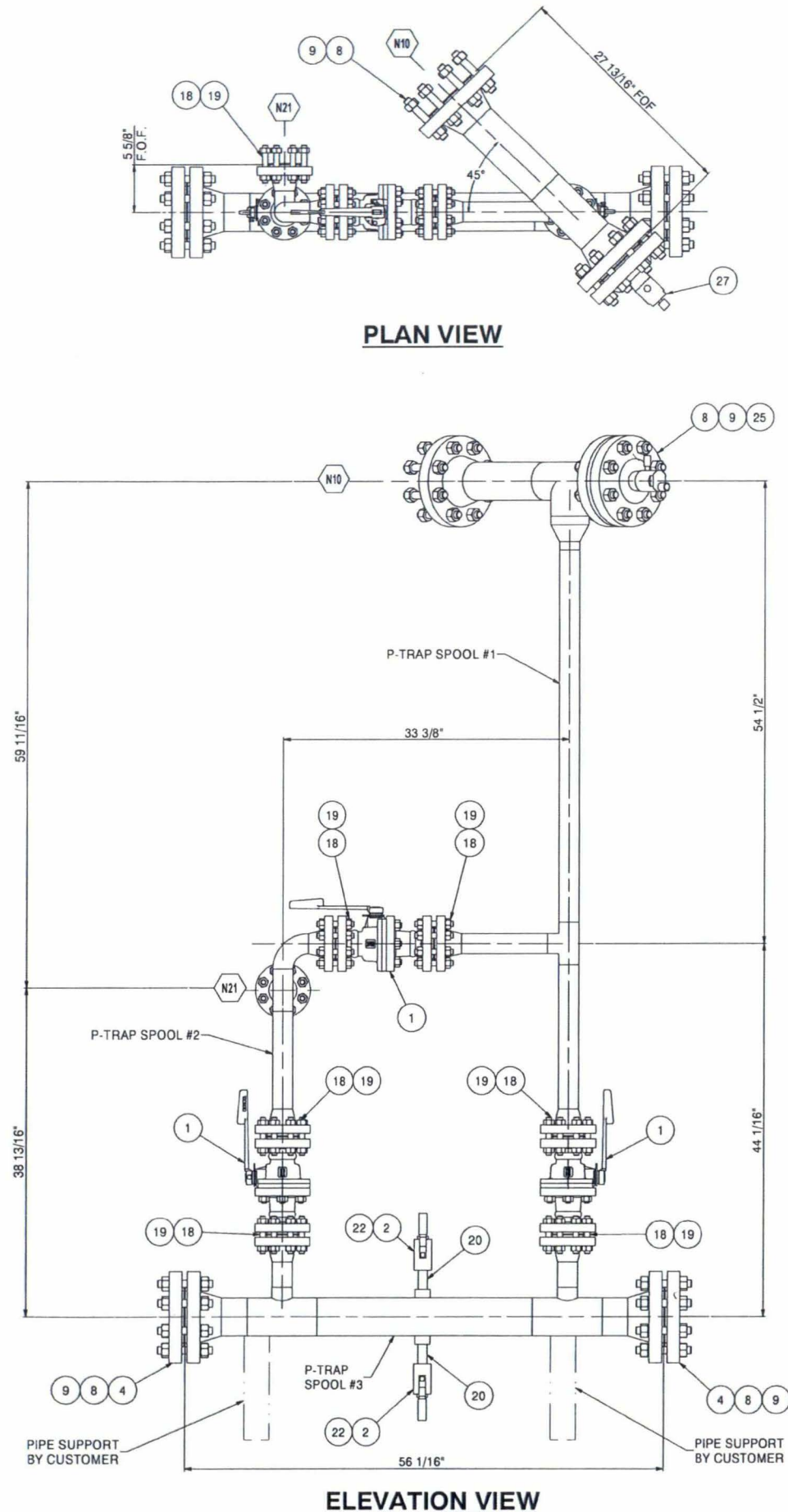
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Jun 15, 2017

TAYLOR COMPRESSOR STATION

 MUELLER ENVIRONMENTAL DESIGNS, INC. "PROVEN UNDER PRESSURE" 31150 FM 529 BROOKSHIRE, TX 77423 WWW.MUELLERENVIRONMENTAL.COM		CUSTOMER ENERGY TRANSFER	
FABRICATION STANDARDS ALL FABRICATION PARTS MUST COMPLY WITH MUELLER ENVIRONMENTAL OR SOCIAL SPECIFICATION MED-PT SPEC 001 REV E		TITLE MED MODEL 21 KLS-1B HELICAL COIL SEPARATOR DUMP SYSTEM DETAILS 36" I.D. X 120" S/S	
FABRICATION STANDARDS ALL MUELLER ENVIRONMENTAL PARTS MUST COMPLY WITH MUELLER ENVIRONMENTAL OR SOCIAL SPECIFICATION MED-PT SPEC 001 REV E		CANTON, PA CUSTOMER ORDER NO. 30083775 QUOTE No. Q217131 R2 SO No. 217560 DRAWING No. 22-217560-03	
A ISSUED FOR FABRICATION LS 6/7/2017		SIGNATURE DATE 5/18/2017	
REV DESCRIPTION DRAWN DATE		DRAWN BY: LS CHECKED BY: GL IN HOUSE APPD.	
REVISION HISTORY			

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MATERIAL LIST					
ITEM#	QTY	PART/DWG#	DESCRIPTION	MATERIAL	REMARKS
1	3	2F-F63 NRF	VALVE-BALL- FLANGED-2" 600#	A-216WCB	BALON
2	2	LM-07362	BALL VALVE-3/4" FEMALE FNPT, CS/316 SS, 3000# PSI	CS316L SS	BALON
3	4	F4-600-80-RFWN-105-SA	FLANGE-4"-600#-SCH 160 RFWN	SA-105	DWG: 21-217560-04A
4	2	F4-600-RFBLD-SA105	FLANGE-4"-600# RF BLIND	SA-105	-
5	2	-	4" X 2" SCH 160 REDUCING TEE	SA-234WPB	DWG: 21-217560-04A
6	1	-	PIPE-4" SCH 160 X 25 1/16" LG.	SA-106B	DWG: 21-217560-04A
7	2	-	PIPE-4" SCH 160 X 3" LG.	SA-106B	DWG: 21-217560-04A
8	4	G4-600-B16.20-304-CGI	GASKET-4"-600# TYPE "CGI" SPIRAL WOUND 304 SS INNER RING W/FLEXIBLE GRAPHITE FILLER	304 SS	-
9	32	S 875-9-B7-6.5-4-600	STUD-7/8"-9 X 6 1/2" LG. W/ (2) HH NUTS EA PLATED-4"-600#	SA-193-B7/SA-194-2H	-
10	7	F2-600-160-RFWN-SA105	FLANGE-2"-600#-SCH 160 RFWN	SA-105	DWG: 21-217560-04A
11	1	E2-160-243B-90-LR-ELL	ELBOW- 2"-SCH. 160 90 DEG LONG RADIUS	SA-234WPB	DWG: 21-217560-04A
12	2	T2-160-234B-STR	TEE-2"-SCH. 160 STRAIGHT	SA-234WPB	DWG: 21-217560-04A
13	1	-	PIPE-2" SCH 160 X 43 7/8" LG.	SA-106B	DWG: 21-217560-04A
14	1	-	PIPE-2" SCH 160 X 17" LG.	SA-106B	DWG: 21-217560-04A
15	1	-	PIPE-2" SCH 160 X 11 1/2" LG.	SA-106B	DWG: 21-217560-04A
16	1	-	PIPE-2" SCH 160 X 9 13/16" LG.	SA-106B	DWG: 21-217560-04A
17	2	-	PIPE-2" SCH 160 X 3" LG.	SA-106B	DWG: 21-217560-04A
18	7	G2-600-B16.20-304-CGI	GASKET-2"-600# TYPE "CGI" SPIRAL WOUND 304 SS INNER RING W/FLEXIBLE GRAPHITE FILLER	304 SS	-
19	56	S 625-11-B7-4.5-2-600	STUD-5/8"-11 X 4 1/2" LG. W/ (2) HH NUTS EA PLATED - 2"-600#	SA-193-B7/SA-194-2H	-
20	2	75-SCH 160	PIPE NIPPLE - 3/4" SCH 160 X 3" LG. T.B.E.	SA-106B	-
21	2	CP.75-105	HALF COUPLING-3/4"-6000#	SA-105	DWG: 21-217560-04A
22	2	75-6000-HP-105	PLUG-3/4" 6000# HEX HEAD	SA-105	-
23	1	T4-160-234B-STR	TEE-4"-SCH. 160 STRAIGHT	SA-234WPB	DWG: 21-217560-04A
24	1	-	PIPE-4" SCH 160 X 11 1/16" LG.	SA-106B	DWG: 21-217560-04A
25	1	F4X1.5-600-THRD-SA105	4" X 1 1/2" 600# RFTHRD FLANGE	SA-105	-
26	1	ECCRED4-2-160-234B	REDUCER-4" X 2" SCH. 160 CONCENTRIC	SA-234-WPB	DWG: 21-217560-04A
27	1	E200	PATHWAY CONTROL E200-41-10-SG-0.4 ELECTRIC LEVEL CONTROL SWITCH-2" NPT	SA-316	PATHWAY

*NOTE:

- QUANTITIES LISTED ON THIS DRAWING REFLECT ONE (1) UNIT. TWO (2) UNITS REQUIRED.
- 5% OVERSTOCK IS TO BE SUPPLIED FOR ALL FIELD INSTALLED HARDWARE.
- PAINT:
BLAST: SSPC SP-10
PRIME: (1) COAT CARBOLINE CARBOGUARD 890: 1.5-3 MILS DFT COLOR "GREEN"
INTERMEDIATE: (1) COAT CARBOLINE CARBOGUARD 890: 1.5-3 MILS DFT COLOR "RED"
FINISH: (1) COAT CARBOLINE CARBOTHANE 134 HG: 2-3 MILS DFT
FINISH COLOR: (P204) "TAN"
- SHOP HYDROTEST: 2160 PSI FOR 4 HOURS..

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TO ASME
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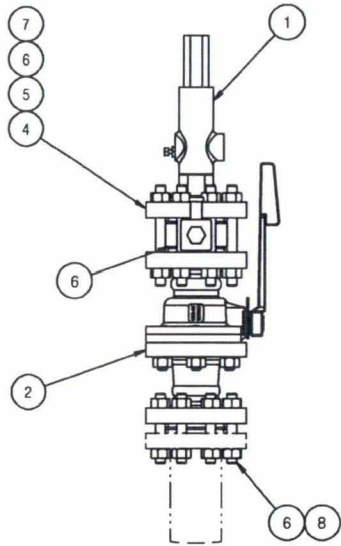
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Jun 15, 2017

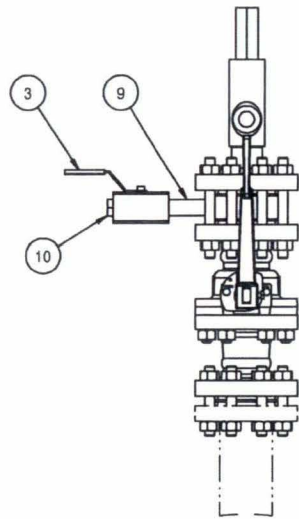
A	ISSUED FOR FABRICATION	LS	6/7/2017
REV	DESCRIPTION	DRAWN	DATE
REVISION HISTORY			

TAYLOR COMPRESSOR STATION			
 MUELLER ENVIRONMENTAL DESIGNS, INC. "PROVEN UNDER PRESSURE" 31150 FM 529 BROOKSHIRE, TX 77423 PH 713.465.0905 FAX 713.465.0997 WWW.MUELLERENVIRONMENTAL.COM		CUSTOMER ENERGY TRANSFER	
		CANTON, PA CUSTOMER ORDER NO. 30083775 QUOTE No. Q217131 R2	
FABRICATION TOLERANCE ALL FABRICATION PARTS MUST CONFORM WITH MUELLER ENVIRONMENTAL DESIGN SPECIFICATION MUELLER SPEC. 401 REV A		TITLE MED MODEL 21 KLS-1B HELICAL COIL SEPARATOR P-TRAP ASSEMBLY DETAILS 36" I.D. X 120" S/S	
FABRICATION STANDARDS ALL WELDED JOINTS SHALL BE WELDED TO THE MUELLER ENVIRONMENTAL DESIGN SPECIFICATION ANY DEVIATION FROM THESE CONSTRUCTIONS SHALL BE APPROVED BY THE DESIGNER OR APPROVED BY A MUELLER REPRESENTATIVE		SIGNATURE DATE 5/25/17	SO No. 217560 DRAWING No. 22-217560-04
DRAWN BY: LS		CHECKED BY: 	IN HOUSE APPD:

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ELEVATION VIEW



SIDE VIEW

MATERIAL LIST					
ITEM#	QTY	PART/DWG#	DESCRIPTION	MATERIAL	REMARKS
1	1	83S1M88-6	THERMAL RELIEF VALVE	-	PENTAIR
2	1	2F-F63 NRF	VALVE-BALL- FLANGED-2" 600#	A-216WCB	BALON
3	1	LM-07362	BALL VALVE-3/4" FEMALE FNPT, CS/316 SS, 3000# PSI	CS/316 SS	BALON
4	1	BR-2-600-SA36	PLATE - 1 1/2" THK. X 2 1/8" I.D. X 4 1/4" O.D. W/3/4" NPT (BLEED RING)	SA-36	CROSBY
5	1	F2X1-600-THRD-SA105	FLANGE REDUCING THREADED-2" X 1" 600# RF	SA-105	-
6	3	G2-600-B16.20-304-CGI	GASKET-2"-600# TYPE "CGI" SPIRAL WOUND 304 SS INNER RING W/FLEXIBLE GRAPHITE FILLER	304 SS	-
7	8	S.625-11-B7-6.5-2-600	STUD-5/8"-11 X 6 1/2" LG. W/ (2) HH NUTS EA - BLEED RING	SA193-B7/SA194-2H	ZINC COATED
8	8	S.625-11-B7-4.5-2-600	STUD-5/8"-11 X 4 1/2" LG. W/ (2) HH NUTS EA PLATED - 2"-600#	SA193-B7/SA194-2H	ZINC COATED
9	1	2-SCH 160	PIPE NIPPLE - 3/4" SCH 160 X 4" LG. T.B.E.	SA-106B	-
10	1	.75-6000-HP-105	PLUG-3/4" 6000# HEX HEAD	SA-105	-

NOTES:
1. QUANTITIES LISTED ON THIS DRAWING REFLECT ONE (1) UNIT. TWO (2) UNITS REQUIRED.
2. A 5% OVERSTOCK IS TO BE SUPPLIED FOR ALL FIELD INSTALLED HARDWARE.
3. ALL BOLTING LENGTHS REFER TO FIRST THREAD.

CONFIDENTIAL INFORMATION

THIS DOCUMENT CONTAINS COPYRIGHTED / PROPRIETARY / CONFIDENTIAL INFORMATION & MAY NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT WRITTEN APPROVAL OF MUELLER ENVIRONMENTAL DESIGNS, INC. DISCLOSURE OF THIS MATERIAL TO A THIRD PARTY IS CONSIDERED THEFT OF TRADE SECRETS AND IS A VIOLATION OF FEDERAL LAW

ISSUED FOR FABRICATION

Jun 15, 2017

TAYLOR COMPRESSOR STATION

K				 MUELLER ENVIRONMENTAL DESIGNS, INC. "PROVEN UNDER PRESSURE"™ 31150 FM 529 PH 713.465.0995 BROOKSHIRE, TX 77423 FAX 713.465.0997 WWW.MUELLERENVIRONMENTAL.COM	CUSTOMER ENERGY TRANSFER	
J					CANTON, PA CUSTOMER ORDER No. 30083775 QUOTE No. Q217131 R2	
I						
H						
G						
F					SO No. 217560	
E						
D					DRAWING No. 22-217560-05	
C						
B						
A	ISSUED FOR FABRICATION	LS	6/7/2017			
REV.	DESCRIPTION	DRAWN	DATE			

FABRICATION TOLERANCE ALL FABRICATED PARTS MUST COMPLY WITH MUELLER ENVIRONMENTAL DESIGNS SPECIFICATION: MED-PV-SPEC-001 REV.0		TITLE MED MODEL 21 KLS-1B HELICAL COIL SEPARATOR TRV ASSEMBLY DETAILS 36" I.D. X 120" S/S	
FABRICATION STANDARDS ALL WELDED SEAMS ARE PER ASME SEC. VIII DIV. 1, SEC. II, UNLESS OTHERWISE SPECIFIED ANY DEVIATION FROM THESE CONSTRUCTION DOCUMENTS BY ANY SUBCONTRACTOR WILL NOT BE ACCEPTABLE UNLESS APPROVED BY A MUELLER INSPECTOR		DRAWN BY: CHECKED BY: IN HOUSE APPD.:	SIGNATURE LS GK 6-8-17 DATE 5/18/2017