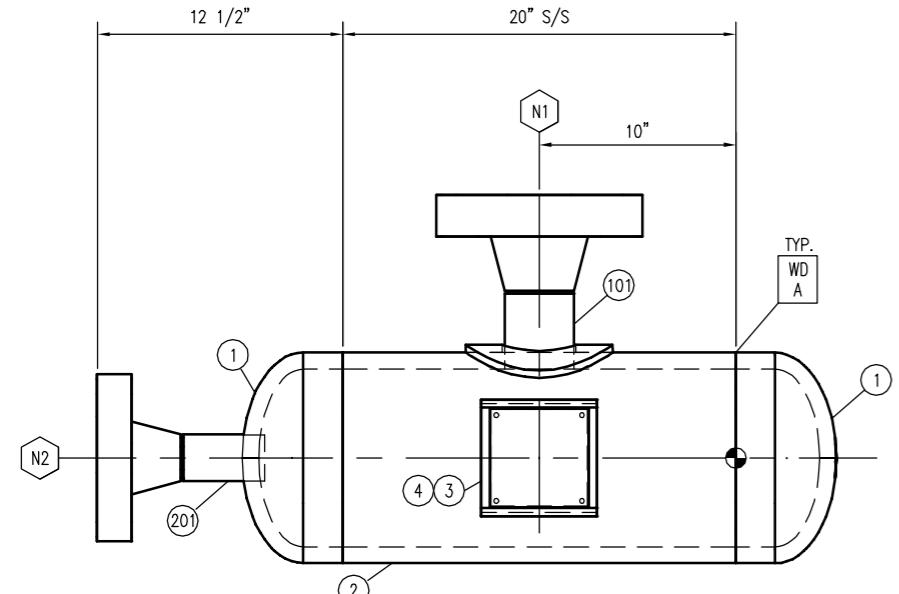
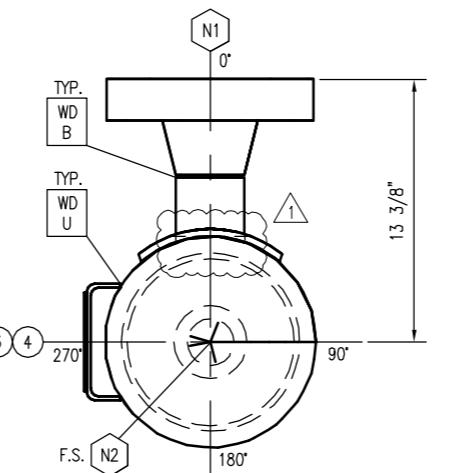


BILL OF MATERIALS					
MARK	TAG	SERVICE	QTY	DESCRIPTION	LENGTH (INCHES)
	1		2	HEAD, 10 3/4"OD, 7/8" NOM, (0.75" MIN), 2:1 ELLIP, 2" SF,SA-516-70N	
	2		1	PIPE, 10",S/120,SMLS,SA-106-B	20"
	3		1	SPECIFICATION PLATE, SS	
	4		1	NAME PLATE BRACKET, 1/4" THK,SA-516-70N	
N1	100	INLET/INSP./DRAIN	1	FLANGE,3",1500#,RF,WN,S/(XXS),SA-105	
	101		1	PIPE,3",S/(XXS),SMLS,SA-106-B	4 3/8"
	102		1	REPAD,7.50" OD,3.75" ID,3/8"THK,FORMED TO 10.75" OD SHELL,SA-516-70N	
N2	200	OUTLET/INSP.	1	FLANGE,2",900#,RF,WN,S/(XXS),SA-105	
	201		1	PIPE,2",S/(XXS),SMLS,SA-106-B	4 1/8"
					C
					STR



ELEVATION VIEW



RIGHT END VIEW

GENERAL NOTES:

- ALL TAIL DIMENSIONS FROM REFERENCE POINT.
- WELDING PROCEDURE REGISTRATION NO. WP 496.2
- FLANGE BOLT HOLES TO STRADDLE MAJOR CENTERLINES OF VESSEL, UNLESS OTHERWISE NOTED.
- ALL FLANGES TO BE ANSI 16.5, ALL FORGED THD & SW FITTINGS PER ANSI B16.11, UNLESS OTHERWISE NOTED.
- EXTERIOR & INTERIOR OF VESSEL TO BE FREE OF WELD SLAG, SPATTER, GREASE, MOISTURE, ETC.
- ALL CUT LENGTHS ARE FINISHED LENGTHS, PIPING CUT LENGTHS ARE BASED ON 1/8" (3 mm) WELD GAP.
- PROJECT NAME PLATE 1" (25 mm) FROM SHELL/INSUL.
- ALL DIMENSIONS TO BE HELD TO $\pm 1/8"$ (3.2mm) UNLESS OTHERWISE SHOWN.
- ALL TACK WELDS TO BE PER WP 1, 2 & 5.
- SURFACE PREPARATION:
EXTERNAL: ENERFLEX STANDARD.
INTERNAL: MECHANICAL CLEAN SSPC-SP3
- PRIMER: ENERFLEX STANDARD
- FINISH: ENERFLEX STANDARD
- INSULATION: NONE
- ALL REPAD AND POISON PAD SHALL HAVE A 1/4" THREADED WEEP HOLE

- ALLOWABLE MATERIALS SUBSTITUTION:
SA-333-6 FOR SA-106-B;
SA-350-LF2-CL1 FOR SA-105N;
SA-420-WPL6 FOR SA-234-WPB;
SA-105N FOR SA-105
SA-516-70N FOR SA-516-70
SEAMLESS FOR WELDED PIPE
- TAPERED TRANSITION PER UW-9(c) IF REQUIRED.
- EXPOSED INSIDE EDGES SHALL BE CHAMFERED OR ROUNDED AS PER UG-76(c).
- 1/4" CONTINUOUS FILLET WELD ALL CONTACTING PLATE EDGES FOR INTERNAL/EXTERNAL UNLESS OTHER WISE NOTED.
- WHEN USING ONE PIECE REPAD IS NOT PRACTICAL, THE FOLLOWING SHALL BE PERFORMED:
A. ON SHELL: THE SPLIT WELD SHALL BE ORIENTED AT LEAST 45 DEGREE FROM THE LONGITUDINAL AXIS OF THE VESSEL.
B. ON HEAD: THE SPLIT WELD SHALL BE 100% RT OR UT.
- USE WELD DETAIL "A" FOR SPLIT REPAD.
- MINIMUM HYDRO VESSEL TEMP SHALL BE 30°F ABOVE MDMT BUT NOT LOWER THAN 35°F
- VESSEL INTERNALS TO BE OILED AFTER HYDRO TESTING.
- NATIONAL BOARD REGISTRATION IS REQUIRED.

		CERTIFIED BY:	
		ENERFLEX ENERGY SYSTEMS Wyoming Inc. 2289 Renown Ave Casper, Wyo. 82601	
U	MAWP	1932	PSI \ominus 350 °F
W	MAEWP	-	PSI \ominus - °F
RT2	MDMT	-20 °F	\ominus 1932 PSI
-	SN	426374220	YEAR 2013
	CRN	-	C.A. 0.125 IN
	SH.THK	0.844 IN	MAT'L SA-106B
	HD.THK	0.75 IN	MAT'L SA-516-70N
(A)			

DESIGN AND FABRICATION TO BE IN ACCORDANCE WITH THE	
NB REGULATIONS	
AND A.S.M.E. CODE SEC. VIII DIV. 1 2010 EDITION, 2011a ADDENDA	
DESIGN PRESSURE	1932 PSIG
DESIGN TEMPERATURE	350 DEG F
MIN DESIGN METAL TEMP	-20°F @ 1932 PSIG
MAX. ALLOWABLE WORKING PRESS.	1932 PSIG
LIMITED BY	FLANGE RATING
CORROSION ALLOWANCE	0.125
POST WELD HEAT TREATMENT	NO
SERVICE	NATURAL GAS
VOLUME	1.046 FT3
WT. EMPTY (SHIPPING WT.)	366 LBS
WT. FULL OF WATER (TEST WT.)	- LBS
OPERATING WEIGHT	- LBS
HYDROSTATIC TEST PRESS.	2898 PSIG
IMPACT TEST EXEMPT PER	UG-20(f), UCS-66(c)
RADIOGRAPHY:	RT2
PART	CODE
SHELL (CAT 'A')	UW-11(a)5/UW-12(d)
HEAD TO SHELL (CAT 'B')	UW-11(a)5b/UW-12(d)/UW-12(c)
TYPE	JE
NONE	1
SPOT	0.7

ISSUED FOR CONSTRUCTION	
NAME	J. BILLINGS
DATE	MAY 16/13

REV	DESCRIPTION	DATE	BY	APR	APEGGA PERMIT NO:	APEGGA PERMIT	OPER. CODE	220	WORK ORDER 42637
-	-	-	-	-	MARCH 25/13	NTS			
-	-	-	-	-	DRAWN BY	CHECKED BY	APPROVED BY		
-	-	-	-	-	J. BILLINGS	R. LARA	H. LIU		
0A	CONTOURED PIPE FOR N1	MAY 23/13	JB	RL	PROJECT MANAGER	PROJECT ENGINEER			
0	ISSUED FOR CONSTRUCTION	MAY 21/13	JB	RL	B. LANGER	A. YUEN			
A	ISSUED FOR ACOUSTICAL STUDY	MAY 01/13	JB	RL	CUST PO	N/A			

ENERFLEX Calgary, Alberta, Canada	V220		
	DISCHARGE BOTTLE	10 3/4" OD X 20" S/S	
DWG NO	42637-4220	SHT 1 OF 1	REV 0A