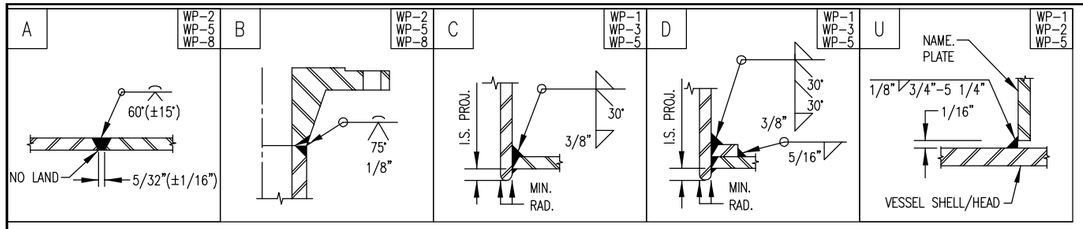
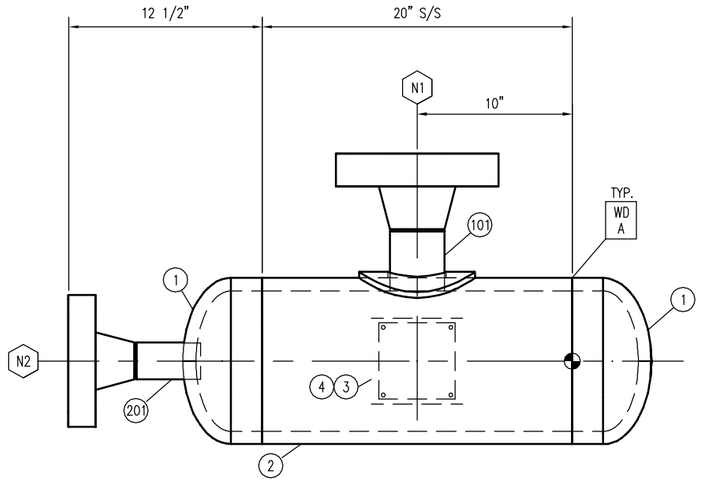
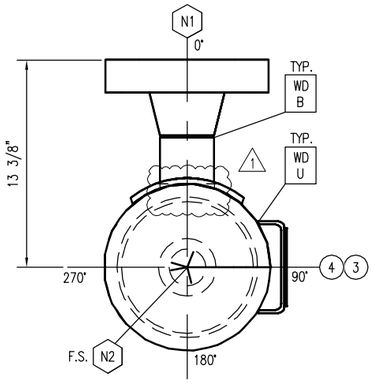


BILL OF MATERIALS

MARK	TAG	SERVICE	QTY	DESCRIPTION	LENGTH (INCHES)	WELD DETAIL	OS PROJ (INCHES)	IS PROJ (INCHES)	HEAT NUMBER
	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-516-70					
N1	100	INLET/INSP. /DRAIN	1	FLANGE,3",1500#,RF,WN,S/(XXS),SA-105			AS SHOWN		
	101		1	PIPE,3",S/(XXS),SMLS,SA-106-B	4 3/8"	D		CON	
	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			AS SHOWN		
	201		1	PIPE,2",S/(XXS),SMLS,SA-106-B	4 1/8"	C		STR	



ELEVATION VIEW



RIGHT END VIEW

GENERAL NOTES:

1. ALL TAIL DIMENSIONS FROM REFERENCE POINT.
2. WELDING PROCEDURE REGISTRATION No. WP 496.2
3. FLANGE BOLT HOLES TO STRADDLE MAJOR CENTERLINES OF VESSEL, UNLESS OTHERWISE NOTED.
4. ALL FLANGES TO BE ANSI 16.5, ALL FORGED THD & SW FITTINGS PER ANSI B16.11, UNLESS OTHERWISE NOTED.
5. EXTERIOR & INTERIOR OF VESSEL TO BE FREE OF WELD SLAG, SPATTER, GREASE, MOISTURE, ETC.
6. ALL CUT LENGTHS ARE FINISHED LENGTHS, PIPING CUT LENGTHS ARE BASED ON 1/8" (3 mm) WELD GAP.
7. PROJECT NAME PLATE 1" (25 mm) FROM SHELL/INSUL.
8. ALL DIMENSIONS TO BE HELD TO ±1/8" (3.2mm) UNLESS OTHERWISE SHOWN.
9. ALL TACK WELDS TO BE PER WP 1 & 2.
10. SURFACE PREPARATION:
    EXTERNAL: ENERFLEX STANDARD.
    INTERNAL: MECHANICAL CLEAN SSPC-SP3
11. PRIMER: ENERFLEX STANDARD
12. FINISH: ENERFLEX STANDARD
13. INSULATION: NONE
14. ALL REPAD AND POISON PAD SHALL HAVE A 1/4" THREADED WEEP HOLE
15. 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
16. TAPERED TRANSITION PER UW-9(c) IF REQUIRED.
17. EXPOSED INSIDE EDGES SHALL BE CHAMFERED OR ROUNDED AS PER UG-76(c).
18. 1/4" CONTINUOUS FILLET WELD ALL CONTACTING PLATE EDGES FOR INTERNAL/EXTERNAL UNLESS OTHER WISE NOTED.
19. WHEN USING ONE PIECE REPAD IS NOT PRACTICAL, THE FOLLOWING SHALL BE PERFORMED:
    A. ON SHELL: THE SPLIT WELD SHALL BE ORIENTED AT LEASE 45 DEGREE FROM THE LONGITUDINAL AXIS OF THE VESSEL.
    B. ON HEAD: THE SPLIT WELD SHALL BE 100% RT OR UT.
    C. USE WELD DETAIL "A" FOR SPLIT REPAD.
20. MINIMUM HYDRO VESSEL TEMP SHALL BE 30°F ABOVE MDMT BUT NOT LOWER THAN 35°F
21. VESSEL INTERNALS TO BE OILED AFTER HYDRO TESTING.
22. NATIONAL BOARD REGISTRATION IS REQUIRED.

CERTIFIED BY:

ENERFLEX
ENERGY SYSTEMS
Wyoming Inc.
2289 Renauna Ave Casper, Wyo. 82601

U	MAWP	1932	PSI @ 350	°F
W	MAEWP	–	PSI @ –	°F
RT2	MDMT	-20	°F @ 1932	PSI
–	SN	426374222	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	TYPE	JE
SHELL (CAT 'A')	FULL UW-11(a)5 UW-12(d)	NONE	1
HEAD TO SHELL (CAT 'B')	FULL UW-11(a)	SPOT	0.7

ISSUED FOR CONSTRUCTION
NAME J. BILLINGS DATE MAY 23/13

REV	DESCRIPTION	DATE	BY	APR
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
0A	CONTOURED PIPE FOR N1	MAY 23/13	JB	RL
0	ISSUED FOR CONSTRUCTION	MAY 21/13	JB	RL
A	ISSUED FOR ACOUSTICAL STUDY	MAY 01/13	JB	RL

DATE MARCH 25/13 SCALE NTS
DRAWN BY J. BILLINGS CHECKED BY R. LARA APPROVED BY H.LIU
PROJECT MANAGER B. LANGER PROJECT ENGINEER A. YUEN
CUST PO N/A
APEGGA PERMIT No: APEGGA_PERMIT OPER. CODE 222 WORK ORDER 42637

ENERFLEX LTD.
RENTAL

ENERFLEX
Calgary, Alberta, Canada

V222
DISCHARGE BOTTLE
10 3/4" OD X 20" S/S

DWG NO 42637-4222 SHT 1 OF 1 REV 0A