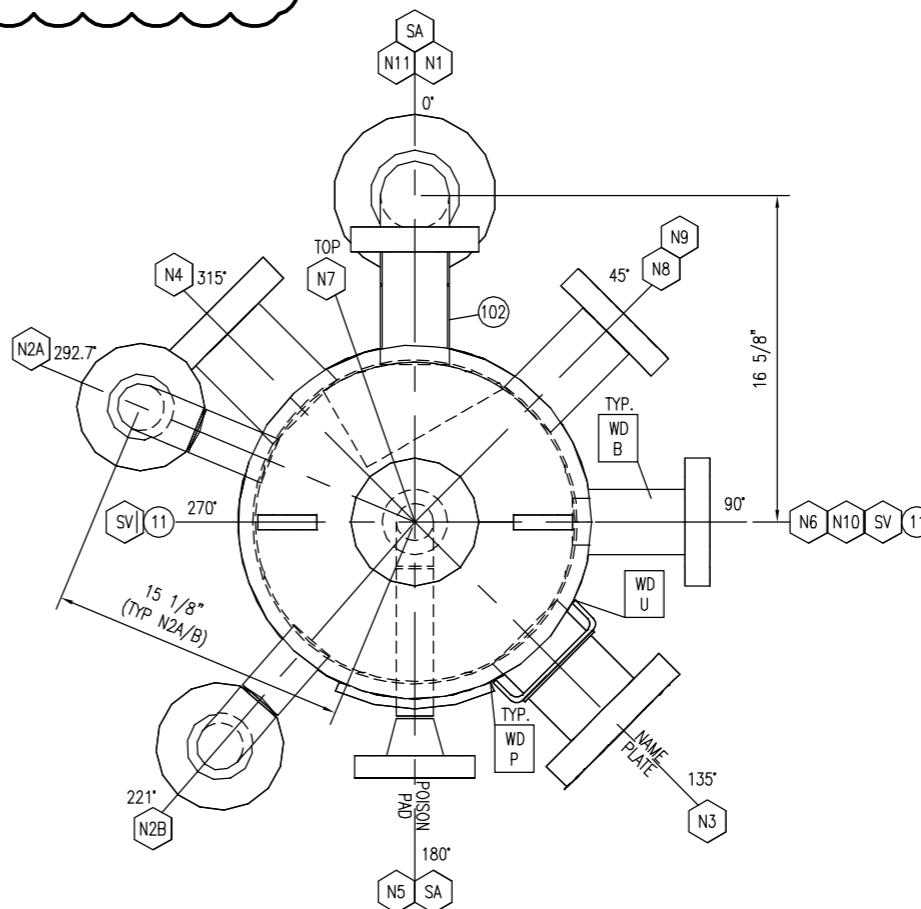


ELEVATION VIEW

**ISSUED FOR
CONSTRUCTION**

ALTERATION NOTES

1. CONSTRUCTION TO BE IN ACCORDANCE WITH ASME CODE 2010 EDITION, 2011a ADDENDA, SECTION VIII DIV.1
2. INSPECTION BY AIA
3. CHANGE MAWP FROM 800 PSIG TO 1000 PSIG @ 300°F
4. CHANGE N1 WELD TO 3/4"
5. COMPLETE NBIC FORM R-2 REPORT OF ALTERATION
6. INSTALL NEW NAMEPLATE BRACKET ON THE SHELL.
7. HYDROTEST VESSEL AT 1500 PSIG



ORIENTATION VIEW

ALTERED BY		ENERFLEX LTD.		CERTIFIED BY:	
		CERTIFICATE HOLDER		ENERFLEX ENERGY SYSTEMS Wyoming Inc. 2289 Renauna Ave Casper, Wyo. 82601	
1000		P.S.I.		MAWP 800 PSI @ 300 °F MAEWp - PSI @ - °F RT2 MDMT -20 °F @ 800 PSI - SN 426374211 YEAR 2013 CRN - C.A. 0.125 IN SH.THK 0.75 IN MAT'L SA-106-B HD.THK 0.625 IN MAT'L SA-516-70N	
AT		300°F			
NATIONAL BOARD "R" CERTIFICATE NUMBER		DATE ALTERED			

-	-	-	-	-	MARCH 25/13	SCALE	NTS	ENERFLEX LTD. RENTAL	
-	-	-	-	-	DRAWN BY J. BILLINGS	CHECKED BY R. LARA	APPROVED BY H. LIU		
2	VESSEL DESIGN ALTERATION	JUL 02/13	JB	RL	PROJECT MANAGER B. LANGER	PROJECT ENGINEER A. YUEN			
1	N6,10,11 HAVE BEEN CHANGED FROM WN TO LWN	MAY 22/13	JB	RL	CUST PO N/A				
0	ISSUED FOR CONSTRUCTION	MAY 16/13	JB	RL					
A	ISSUED FOR ACOUSTICAL STUDY	MAY 01/13	JB	RL					
REV	DESCRIPTION	DATE	BY	APR	APEGGA PERMIT No: APEGGA_PERMIT		OPER. CODE	211	WORK ORDER 42637

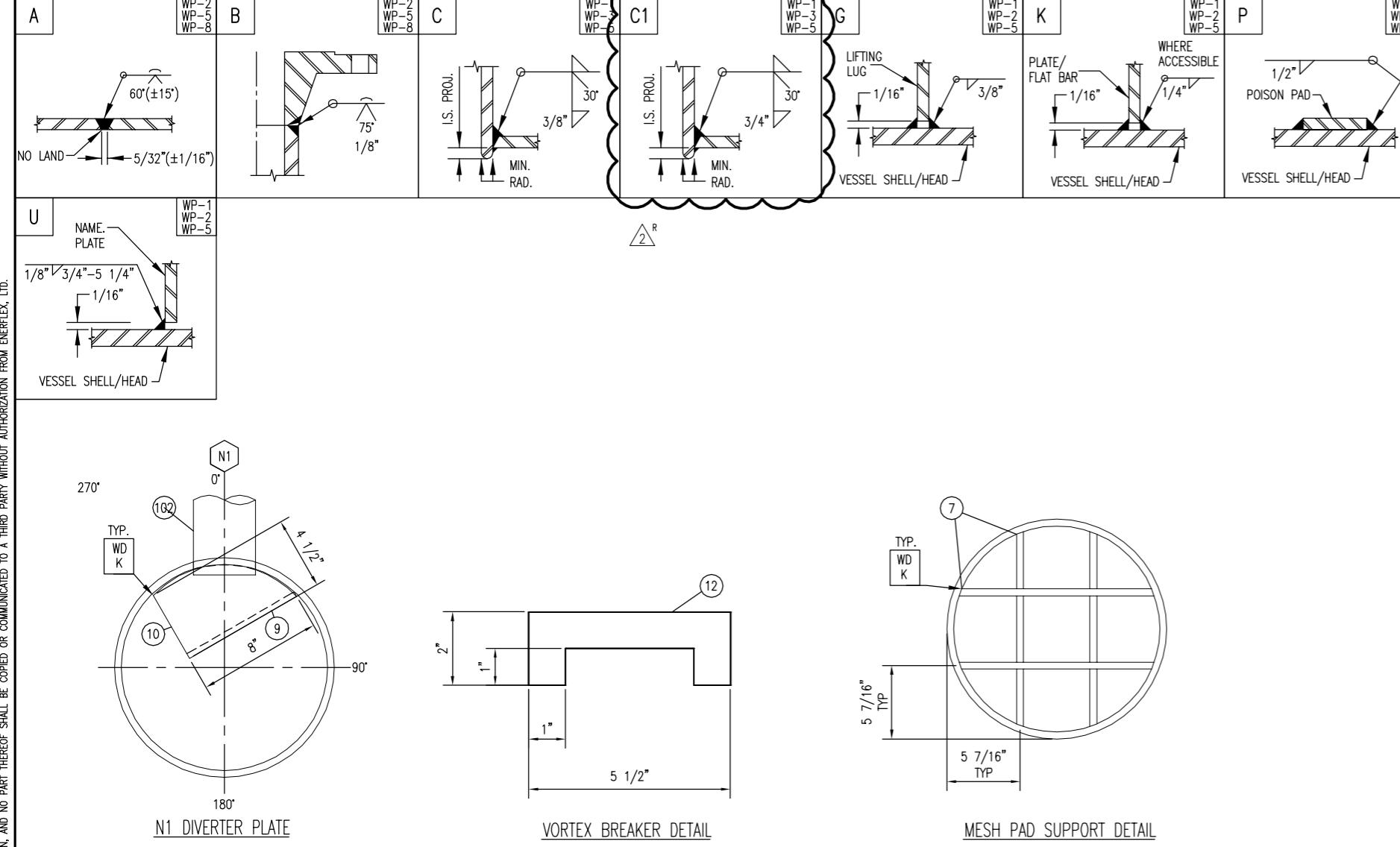
GENERAL NOTES:

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 $\pm 1/8"$ (3.2mm) UNLESS OTHERWISE SHOWN.
9. ALL TACK WELDS TO BE PER WP 1, 2 & 5.
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 LEAST 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.

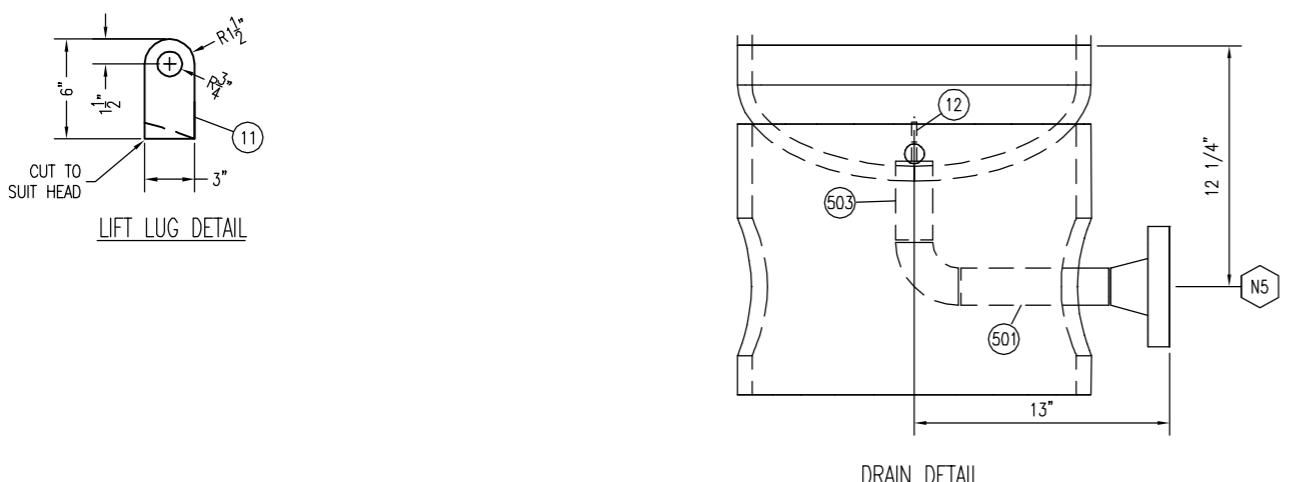
DESIGN AND FABRICATION TO BE IN ACCORDANCE WITH THE NB REGULATIONS AND A.S.M.E. CODE SEC. VIII DIV. 1 2010 EDITION, 2011a ADDENDA	
DESIGN PRESSURE	800 PSIG
DESIGN TEMPERATURE	300 DEG F
MIN DESIGN METAL TEMP	-20F @ 800 PSIG
MAX. ALLOWABLE WORKING PRESS.	800 PSIG
LIMITED BY	FLANGE RATING
CORROSION ALLOWANCE	0.125
POST WELD HEAT TREATMENT	NO
SERVICE	NATURAL GAS
VOLUME	8.08 FT3
WT. EMPTY (SHIPPING WT.)	1482.86 LBS
WT. FULL OF WATER (TEST WT.)	- LBS
OPERATING WEIGHT	- LBS
HYDROSTATIC TEST PRESS.	1200 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)5 UW-12(d) UW-12(e)
SPOT WELD	SPOT 2

HEAD TO SHELL (CAT B)	UW-11(a)5b	UW-12(a)	UW-12(c)	SPOT	0.7
ENERFLEX			V211 SUCTION SCRUBBER 18" OD X 54" S/S		
Calgary, Alberta, Canada					

DWG 42637-4211 SHT 1 OF 2 REV 2
NO



BILL OF MATERIALS				
MARK	TAG	SERVICE	QTY	DESCRIPTION
1			2	HEAD, 18"OD, 3/4" NOM, (0.625" MIN), 2:1 ELLIP, 2"
2			1	PIPE, 18", S/60, SMLS, SA-106-B
3			1	SKIRT PIPE, 18", S/60, SMLS, SA-106-B, 17 3/4" LG
4			2	SPECIFICATION PLATE, SS,
5			2	NAME PLATE BRACKET, 1/4" THK, SA-516-70N
6			1	MESH PAD, 6" THK, 5% DENSITY, 16 1/2" OD, STBLSS (c/w CARBON STEEL SUPPORT GRIDS TOP & BOTTOM),
7			4	PLATE, 3/8" THK X 15.32" X 1.00", SA-516-70N (SEE DETAIL-SHT.2)
8			1	PLATE, 1/2", SMOOTH, 6" X 8", SA-516-70N, ROLLED TO 18" ID ALONG SHORT AXIS
9			1	PLATE, 3/8", SMOOTH X 8 X 5 3/4", SA-516-70N (SEE DETAIL-SHT.2)
10			2	PLATE, 3/8" THK X 9 3/16 X 5 5/16, SA-516-70N (SEE DETAIL-SHT.2)
11			2	PLATE, 3/4" THK X 3 X 6, SA-516-70N
12			1	PLATE, 1/4", SMOOTH X 5 1/2" X 2", SA-516-70N
N1	100	INLET	1	FLANGE, 3", 600#, RF, WN, S/(XXS), SA-105
101			1	ELBOW, 3", S/(XXS), 90D, LR, BW, SA-234-WPB
102			1	PIPE, 3", S/(XXS), SMLS, SA-106-B
N2	200	OUTLET	2	FLANGE, 2", 600#, RF, WN, S/(XXS), SA-105
201			2	ELBOW, 2", S/(XXS), 90D, LR, BW, SA-234-WPB
202			2	PIPE, 2", S/(XXS), SMLS, SA-106-B
N3	300	LC	1	FLANGE, 3", 600#, RF, WN, S/(XXS), SA-105
N4	400	LSHH	1	FLANGE, 3", 600#, RF, WN, S/(XXS), SA-105
N5	500	DRAIN	1	FLANGE, 1 1/2", 600#, RF, WN, S/(XXS), SA-105
501			1	PIPE, 1 1/2", S/(XXS), SMLS, SA-106-B
502			1	ELBOW, 1 1/2", S/(XXS), 90D, LR, BW, SA-234-WPB
503			1	PIPE, 1 1/2", S/(XXS), SMLS, SA-106-B
N6	600	TI	1	FLANGE, 2", 600#, RF, WN, S/(XXS), SA-105
N7	700	VENT/INSPI.	1	FLANGE, 2", 600#, RF, WN, S/(XXS), SA-105
N8	800	FUTURE LG CONN.	1	FLANGE, 2", 600#, RF, WN, S/(XXS), SA-105
N9	900	LSLL/INSPI.	1	FLANGE, 2", 600#, RF, WN, S/(XXS), SA-105
N10	1000	TE	1	FLANGE, 2", 600#, RF, WN, S/(XXS), SA-105
N11	1100	PT	1	FLANGE, 2", 600#, RF, WN, S/(XXS), SA-105
SA		7" HOLE		
SV		1" HOLE		



ISSUED FOR
CONSTRUCTION
NAME: J. BILLINGS DATE: JULY 02/13

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: 211 WORK ORDER 42637

ENERFLEX LTD.
RENTAL
ENERFLEX
Calgary, Alberta,
Canada
V211
SUCTION SCRUBBER
18" OD X 54" S/S
DWG NO: 42637-4211 SHT 2 OF 2 REV 2