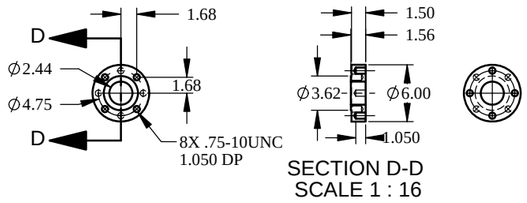
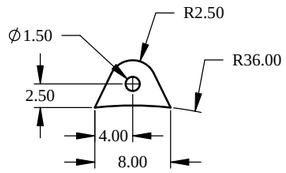
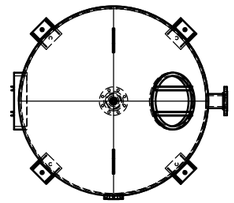
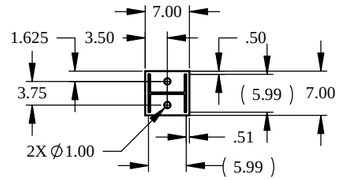


SECTION D-D
SCALE 1 : 16

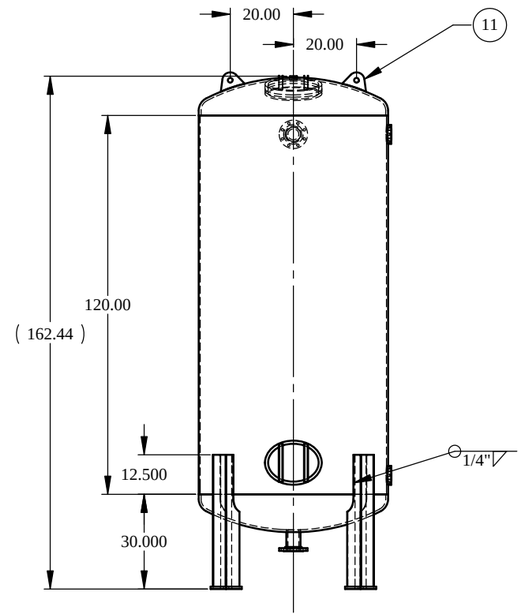


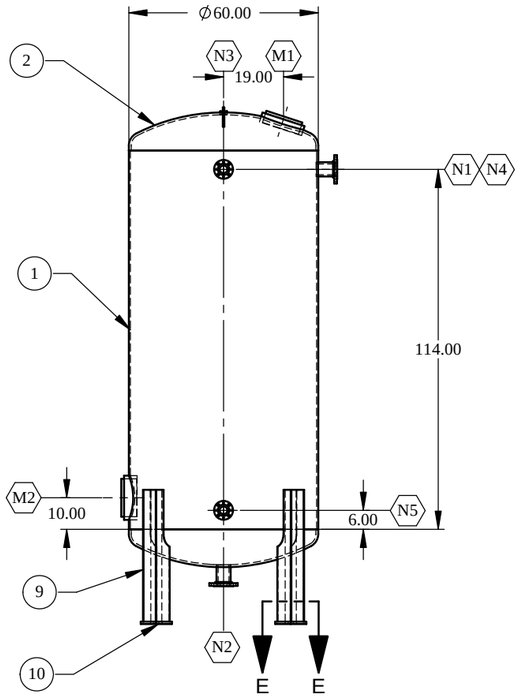


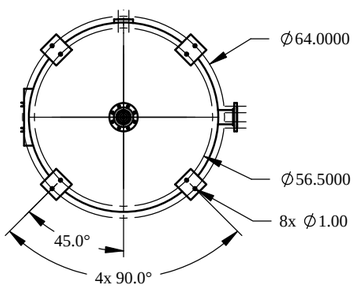


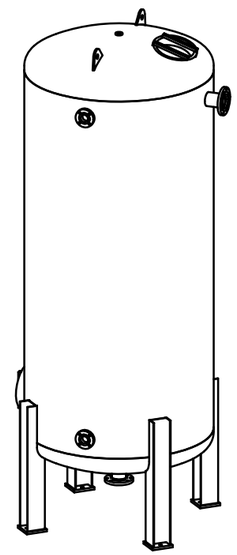
SECTION E-E

SCALE 1 : 24









BILL OF MATERIALS

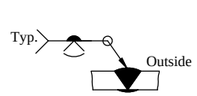
ITEM	QTY	DESCRIPTION	MATERIAL
1	1	Shell - 60.00 OD x 0.50 Thk. x 120.00 Long	SA-516 70
2	2	Head, F&D - 60.00 OD, 1.50 SF, 60.00 ICR, 3.60 IKR, .75 Nom., .68 MAF - Note 12	SA-516 70
3	2	Flange, RFSO - 150#, 4.00 NPS	SA-105
4	2	Pipe - Sch. 160, 4.00 NPS	SA-106 B
5	1	Coupling, Half - 6000#, 1.00 NPS	SA-105
6	2	Flange, Pad - 150#, 2.00 NPS	SA-240 316
7	1	Manway - 12.00 x 16.00, 3.00 x 1.00 Ring	SA-106 B/C
8	1	Manway - 12.00 x 16.00, 4.00 x 1.00 Ring	SA-106 B/C
9	4	Leg - W6x15 x 41.75	SA-G40.21 44W
10	4	Pad, Leg - .75 Thk. x 7.00 x 7.00	SA-G40.21 44W
11	2	Lug, Lifting - .50 Thk.	SA-516 70
12	2	Manway Cover, .25 Thk. (See Note 11/12)	SA-516 70

NOTES:

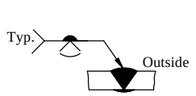
1. All dimensions in inches.
2. All welds shall be neat in appearance, free from slag and other defects.
3. Vessel to be cleaned of scale, oil,weld spatter and all other foreign material, prior to hydrostatic test.
4. Remove all sharp edges on nozzles (1/8" minimum radius)
5. All nozzles to support nomial loads only.
6. Maximum misalignment of butt joints is limited to .25T (Category A, B, C, D up to 1/2" thick)
7. All fittings conform to B16.9 standards.
8. All couplings to conform to B16.11 (2011 Add.) standards.
9. All flanges to conform to B16.5 (2009 Add.)/ B16.47 standards.
10. Flange bolt holes to straddle natural centre lines.
11. Manway Cover: Clark-Kennedy Co. CRN OH7379.5C
    MAWP 150 psi, Max 650 F
12. PFHT on Heads per UCS-79(d)

NOZZLE SCHEDULE

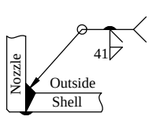
NOZZLE				WELDS						FLANGES				BOM ITEM #
Mark	Size	Qty.	Service	Type	41	42	43	Int Proj	Ext Proj.	Type	SB	F1	F2	
N1	4	1	Inlet	UW-16.1 (c)	.375	-	-	-	6.00	RFSO	.375	.370	.250	3, 4
N2	4	1	Outlet/ Drain	UW-16.1(c)	.375	-	-	-	6.00	RFSO	.375	.370	.250	3, 4
N3	1	1	Vent	UW-16.1(z-1)	.375	-	-	-	-	-	-	-	-	5
N4	2	1	Process	UW-16.1(c)	.375	-	-	-	1.25	-	-	-	-	6
N5	2	1	Process	UW-16.1 (c)	.375	-	-	-	1.25	-	-	-	-	6
M1	12x16	1	Manway	UW-16.1 (c) with inside proj.	.375	-	-	.75	1.25	-	-	-	-	7, 12
M2	12x16	1	Manway	UW-16.1 (c) with inside proj.	.375	-	-	.50	1.50	-	-	-	-	8, 12



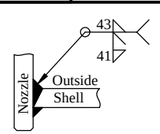
Typ. Circ. Seam



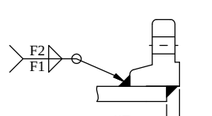
Typ. Long Seam



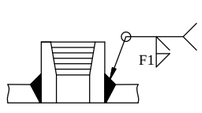
UW-16.1 (c)



UW-16.1 (c) with inside projection



Slip On Flange



UW-16.1 (z-1) Coupling

Certified by

XYZ Vessel Corp.

(Name of Manufacturer)

150 psi (kPa) at 120 °F (°C)

Max. allowable working pressure (MAWP)

- psi (kPa) at - °F (°C)

Max. allowable external working pressure

-20 °F (°C) at 150 psi (kPa)

Min. Design Metal Temperature (MDMT)

N-0000

Manufacturer's serial number

~

CRN

2012

Year built

DESIGN DATA

Code	Design Code:	**ASME VIII-1 2010 ed. 2011 add.**
	Seismic Code:	**IBC 2009, Site E, I 1, Ss .75, S1 .30, R 2**
	Wind Code:	**N/A**
Design Conditions	MAWP - Int / Ext:	**150 / 0 psi @ 120 °F**
	MDMT:	**-20 °F @ 150 psi**
	Corrosion Allowance:	**0**
Examination	Impact Testing:	**Exempt per UG-20(f)**
	Radiography:	**None**
	PWHT:	**None**
	Hydro Test:	**195 psi @ 70 °F**
Service	Fluid:	**Air / Water**
	Capacity:	**213 cu. ft.**
	Weight - Empty:	**4900 lb**
	Weight - Operating:	**18000 lb**

REVISIONS

REV.	REVISION HISTORY	DATE	DRW	CHK
0	Release	3/21/2012	TSB	LB

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Seatown, Ontario, Canada
X1Y 2Z3

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Waterloo, Ontario, Canada
N2V 1C6
www.pveng.com
info@pveng.com
Tel. 519-880-9808
Fax 519-880-9810

Title

Compress Sample

Size	Job ID	Drawing No.	Revision:
B	PVE-6161	PVEdwg-6161-0.1 Compress Sample	0

Scale	Material	Sheet
1:1	See BOM	1 OF 1