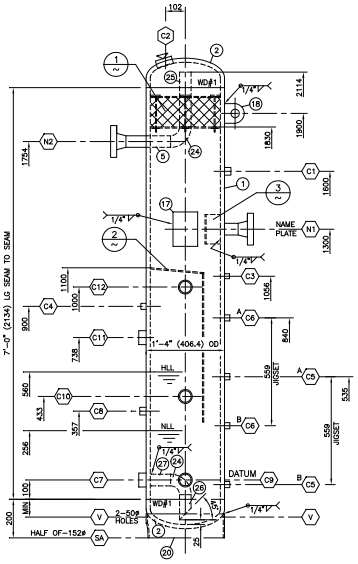
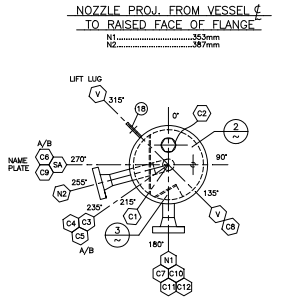
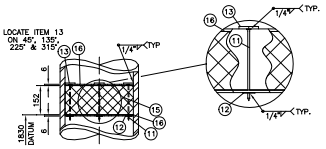
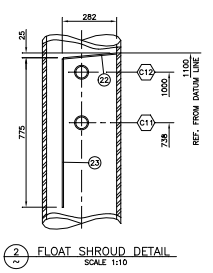
AutoDWG DWGSee 2020 Trial Version. http://www.autodwg.com

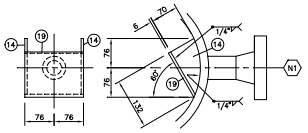
Please goto http://www.autodwg.com to register the program,the note will be removed.





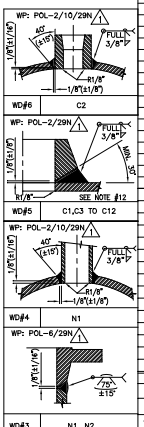






ON THIS DRAWING, THE FOLLOWING MATERIALS CONSTITUTE ACCEPTABLE ALTERNATES:
USE SA-333-GR6 IN PLACE OF SA-106-B
USE SA-350-LF2 IN PLACE OF SA-105
USE SA-420-WPL6 IN PLACE OF SA-234-WPB
USE CSA G40.21-44W IN PLACE OF SA-36
ANY OTHER MATERIAL SUBSTITUTION MUST BE APPROVED BY ENGINEERING/Q.C.M. & A.I. IN WRITING ON ANY INDIVIDUAL BASIS.

MATERIAL LISTED FOR ONE FIVE REQ'D



BILL OF MATERIAL

ITEM	QTY.	DESCRIPTION	MAT'L SPEC.
1	1	NPS 16–SCH 80 SMLS PIPE x 7'–0" LG	SA–106–B
2	2	0.625" MIN. GA. (0.750" NOM) x 1'–4" OD ASME CODE 2:1 S.E. HEADS c/w 2" S.F.	SA–516–70N
3	2	NPS 2–CL 600 ASME RFWN FLG SCH 160 BORE	SA–105
4	1	NPS 2–SCH 160 SMLS PIPE x 95 LG	SA–106–B
5	1	NPS 2–SCH 160 SMLS PIPE x 232 LG	SA–106–B
6	5	NPS 2–CL 3000 TOL (NOTE #12)	SA–105
7	2	NPS 1–CL 3000 TOL	SA–105
8	5	NPS 3/4–CL 3000 TOL	SA–105
9	1	NPS 1/2–CL 3000 TOL	SA–105
10	1	NPS 2–CL 6000 NPT HEX PLUG	SA–105
11	4	3/16"ø x 7" LG NAIL	C.S.
12	4	1/4" ID x 1 1/4" OD x 1/16" THK FENDER WASHER	C.S.
13	4	1/4" x 2" FB x 51 LG	SA–36 /1
14	2	1/4" PL x 71 WD x 132 LG (SHOP TO SUIT)	SA–36 /1
15	1	6" THK x 2 3/8" ID x 1'–2 3/8" OD x 9 lbs/ft³ DENSITY DEMISTER (NON REMOVABLE)	T–316–SS
16	2	EXPANDED METAL–80 ID x 360 OD	C.S.
17	1	PLAINS STD VESSEL NAME PL c/w CHAIR (U–STAMP)	/1 –304–SS/SA–36
18	1	PLAINS STD LIFT LUG "LL–5" (1/2" PL)	SA–36 /1
19	1	1/4" PL x 133 WD x 152 LG	SA–36 /1
20	1	NPS 16–SCH 10 ERW PIPE x 127± LG	SA–53–B
21	1	NPS 2–CL 6000 NPT HALF CPLG	SA–105
22	1	1/4" PL x 276 WD x 364 LG (SHOP TO SUIT)	SA–36 /1
23	1	1/4" PL x 305 WD x 770 LG	SA–36 /1
24	2	NPS 2–SCH STD 90° LR ELL	SA–234–WPB
25	1	NPS 2–SCH STD SMLS PIPE x 284 LG	SA–106–B
26	1	NPS 2–SCH STD SMLS PIPE x 140 LG	SA–106–B
27	1	NPS 2–SCH STD SMLS PIPE x 102 LG	SA–106–B
28	–	–	–
29	–	–	–

–	–	–	–	–	–	–	–	–	–
6	C12	1	NPS 2 CL 3000	–	TOL	HLSD	5	–
6	C11	1	NPS 2 CL 3000	–	TOL	LC	5	–
6	C10	1	NPS 2 CL 3000	–	TOL	LC	5	–
6	C9	1	NPS 2 CL 3000	–	TOL	LLSD/INSP.	5	–
7	C8	1	NPS 1 CL 3000	–	TOL	H/C OUT	5	–
6,24,26,27	C7	1	NPS 2 CL 3000	–	TOL	WATER OUT	5	–
8	C6 A/B	2	NPS 3/4CL 3000	–	TOL	LG	5	–
8	C5 A/B	2	NPS 3/4CL 3000	–	TOL	LG	5	–
8	C4	1	NPS 3/4CL 3000	–	TOL	TI	5	–
9	C3	1	NPS 1/2CL 3000	–	TOL	PI	5	–
10,21	C2	1	NPS 2 CL 6000	–	CPLG	INSP.	6	–
7	C1	1	NPS 1 CL 3000	–	TOL	PSV	5	–
3,5,24,25	N2	1	NPS 2 CL 600	160	RFWN	OUTLET	3,2	–
3,4	N1	1	NPS 2 CL 600	160	RFWN	INLET	3,4	–
ITEMS	MK. NO.	NO.	SIZE	RATING	SCH	TYPE	SERVICE	W.D.	RE–PAD

NOZZLE SCHEDULE

DESIGN DATA

DESIGN & CONSTRUCTION: 2004 ASME CODE, SECTION VIII, DIV.1; ADDENDA 2005, UW–12 (d).
PROVINCE(S) OF REGISTRATION: ALBERTA, B.C., SASKATCHEWAN

SERVICE: WATER/OIL/GAS — CORROSION ALLOWANCE: 0.0625"
DES. PRESS.: 1480 psig — DESIGN TEMP.: 100°F
M.A.W.P.: SAME AS DES. PRESS. — M.D.M.T.: –20°F @ 1480 psig
MAX. HYDROSTATIC HEAD PRESS.(OPER.): —
OPERATING PRESS.: — OPERATING TEMP.: —
EXT. DESIGN PRESS.: — EXT. DES. TEMP.: —
FLG. MAX. PRESS. RATING @ D.T./M.D.M.T.: — FLG. TEST RATING: —
NOZZLE REINFORCEMENT CALC. PRESS.: 1480 psig — LIMITED BY: HEAD
HYDROSTATIC TEST PRESS.: 2220 psig — VOLUME: 10.87 ft³

	RADIOGRAPHY	JOINT TYPE	JOINT EFF.	JOINT CAT.	CODE PARA.
VESSEL LONG SEAMS:	/1 N/A	SMLS	1.0	A	N/A
VESSEL CIRC. SEAMS:	/1 SPOT–RT2	ONE	0.7	B	UW–11(a)(5)(b)
NOZZLE NECKS > 10" NPS w/ THICKNESS > 1.125":					

	VESSEL SECTIONS CYLINDRICAL	HEADS ASME 2:1 S.E.	NOZZLES
CALCULATED THICKNESS INCL. C.A.:	0.732"	0.618"	PER CALCULATION
MINIMUM THICKNESS USED:	0.736"	0.625"	PER NOZZLE SCH.

C.V.N. IMPACT TESTS: EXEMPT PER SECTION UG–20(f)(1–5), UCS–66(c)
POST WELD HEAT TREATMENT: NO
PLAINS SERIAL NUMBER: 3984–V1 TO V5 — C.R.N.: P0994.213 (NOTE #13)

REFERENCE DRAWINGS

DWG. NO.	DESCRIPTION
–	–

REVISIONS

NO.	DATE	BY	APP'D	DESCRIPTION
0	06–08–02	RL	HD	PRELIMINARY
1	06–09–22	RL		REVISION AS NOTED

NO.	DATE	BY	APP'D	DESCRIPTION

SHIPPING WT.	1964 lbs.
TEST WT.	2643 lbs.
SANDBLAST	SSPC–SP6
PRIMER	N/A
PAINT	1 s/c DTM MOD. URETHANE (WARM GREY)

GENERAL NOTES

1.) QUALIFIED WELDING PROCEDURE REGISTERED IS WP: 558.2 (ALBERTA).
2.) QUALITY CONTROL PROGRAM REGISTERED IS AQP (S) 1001 (ALBERTA).
3.) VESSEL TO BE THOROUGHLY CLEANED INSIDE & OUTSIDE, & FREE FROM LOOSE SCALE & FOREIGN MATTER.
4.) ALL BOLT HOLES TO STRADDLE NATURAL CENTER LINES UNLESS OTHERWISE NOTED.
5.) ALL RE–PADS & SADDLE WEAR PLATES TO HAVE A 1/4" NPT WEEP HOLE.
6.) ALL OPENINGS SHALL BE COVERED FOR SHIPPING.
7.) WPN's ARE REQUIRED FOR ALL PRESSURE CONTAINING PLATE, PIPE, & WELD FITTINGS.
8.) ALL THICKNESSES & DIMENSIONS w/ NO DESIGNATION ARE IN MILLIMETERS(mm).
9.) FOR PLANO TYPE DIM. TOLERANCES SEE DWG#SD–001
10.) APPLICABLE ONLY IF REPAD IS SPLIT, REPAD SEAM TO BE GREATER THAN 45° FROM VESSEL LONG AXIS.
11.) ALL ATTACHMENTS USE WPS: POL–2/14/16/29N
12.) MAX. TOL HOLE SIZE TO BE 54mm
13.) CRN REFERENCE DWG#. 2610–B501 REV. 2

PLAINS IL LTD

DRAWN	R.LUZON	DATE 06–08–02
CHECKED	HD	DATE 06–08–02
ENG. APPL.	HD	DATE 06–08–02
PROD. APPL.		DATE

CUSTOMER/PROJECT/LOCATION: PLAINS STOCK

TITLE: V–1 TO V–5 16" OD x 7'–0" SEAM TO SEAM SEPARATOR

JOB NO.	SCALE	DRAWING NO.	REV.
3984	1:10	3984–B501	1

PLOTTED: [P:\Shared Drawings\3974–3974–B501.DWG DATE: JULY 12, 2006 TIME: 8:24 AM