



THIRD PIPING  
- SHOP RUN  
- SHOP CHECK  
- SHOP SUPPORT  
ON ASSEMBLY

FOUR(4) UNITS REQUIRED  
15627-ISO-03  
15630-ISO-03  
15631-ISO-03  
15632-ISO-03

BOM FOR ONE(1) ISO ONLY

- NOTES:**
1. REGISTERED QUALITY CONTROL PROGRAM AQP 1084(S).
  2. EXTERIOR & INTERIOR OF PIPE TO BE FREE OF WELD SLAG, SPATTER, GREASE, MOISTURE, ETC.
  3. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED.
  4. ALL PIPING CUT LENGTHS ARE CALCULATED WITH A (3 mm) WELD GAP.
  5. \* 6" ADDED FOR SHOP FIT OF SPOOL.
  6. PRIME: DEVGUARD 4160 PRIMER\*
  7. ALL TUBING TO BE 3/8" SS c/w SWAGELOK FITTING.
- PAINT: DEVGUARD 4308 ALKYD ENAMEL  
TOPCOAT\* @ 2-3 MILS DFT  
@ 2-3 MILS DFT

**BILL OF MATERIAL**

QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL	S/F
1	1m	1 1/2"	PIPE SMS - TBE	A106 GR. B	S
2	1m	2"	PIPE SMS - POE/TOE (CTS)	A106 GR. B	S
3	1m	2"	PIPE SMS - TBE (CTS)	A106 GR. B	S
4	1m	2"	PIPE SMS	A106 GR. B	S
5	2m	3"	PIPE SMS	A106 GR. B	S
<b>FLANGES</b>					
6	1	1 1/2"	FLANGE RF THRD. (V-CONE W/WR)	CS A105	S/F
7	4	2"	FLANGE RF WN	A105 GR. II	S
8	1	3"	FLANGE RF WN	A105 GR. II	S
<b>WELD FITTINGS</b>					
9	1	2"	ELBOW 90 DEG LR BW	A234 GR. WPB	S/F
10	1	2" X 2"	STRAIGHT TEE BW	A234 GR. WPB	S
11	1	3"	ELBOW 90 DEG LR BW	A234 GR. WPB	S
12	1	3" X 2"	CONC REDUCER BW	A234 GR. WPB	S
<b>SCREWED &amp; SOCKET WELD FITTINGS</b>					
13	1	1 1/2"	FULL ORLG SCREWED	A105 GR. II	S/F
14	1	2"	UNION SCREWED	A105 GR. II	S
15	1	3/4" ON 2"	THREDOLET	A105 GR. II	S
16	1	2" X 1 1/2"	CONCENTRIC SWAGE - TBE	A106 GR. B	S
17	2	3/4" ON 3"	THREDOLET	A105 GR. II	S
<b>GASKETS</b>					
18	2	1 1/2"	GASKET RF 1/8" SPIRAL WOUND	304 SS	S/F
19	4	2"	GASKET RF 1/8" SPIRAL WOUND	304 SS	S
<b>BOLTS</b>					
20	1 SET	3/4" X 1 1/2"	STUD BOLTS ON/2 NUTS-4/SET	A193 B7/A194 2H	S/F
21	4 SETS	5/8" X 1 1/2"	STUD BOLTS ON/2 NUTS-8/SET	A193 B7/A194 2H	S
<b>VALVES</b>					
22	1	1 1/2"	BALL VALVE SCREWED	VALVE TAG S/F	S
23	2	2"	BALL VALVE SCREWED	2" BA-2002 S	S
24	1	1 1/2"	NIPPLE - 75mm LG POE/TOE	A106 GR. B	S
25	1	1 1/2"	PLUG SCREWED	A105 GR. II	F
26	1	1/2" ON 2"	THREDOLET	A105 GR. II	S

LINE NUMBER	REV.	REVISION DESCRIPTION	DATE	BY	CHKD	APPD	DESIGN DATA
1	0	ISSUED FOR CONSTRUCTION	04/01/04	JB	CMW	BD	
1	1	ADDED NOTES	04/01/04	JB	CMW	BD	

**PLATINUM Energy Services Corp.**

CLIENT: ANADARKO CANADA CORPORATION  
CRANELAKE, NORTH

PROJECT: WELLPAD HEADER (16-19-14-23 W3M)  
ISOMETERIC

DATE: 05/12/09  
DRAWN BY: JB  
CHKD BY: CMW  
APP'D BY: BS

PROJECT NO: 15627-ISO-02  
TO: SKID EDGE (T-E)  
JOB NO: 15627  
SHEET NO: 1 OF 1

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