



BILL OF MATERIAL					
MARK	SIZE	DESCRIPTION	QTY	WEIGHT	
1	1	PIPE, S/80 SMLS, SA-106-B TBE	76 MM	0.3	
2	1	PIPE, S/80 SMLS, SA-106-B PBE	4418 MM	14.3	
3	1	UNION, SWxTHRD 3000LB, SA-105N	1	1.4	
4	1	90 ELL, SW 3000LB, SA-105N	4	4.1	
TOTAL FABRICATION WEIGHT				19.9	

**CUT PIPE LENGTH**

PIECE NUM	LENGTH (MM)	SIZE (INCH)
<A>	76	1
<B>	111	1
<C>	616	1
<D>	314	1
<E>	3199	1
<F>	178	1

THRD. & S.W. PIPING  
 - SHOP RUN  
 - SHOP CHECK  
 - SHOP SUPPORT  
 ON ASSEMBLY

**NOTES:**

- REGISTERED QUALITY CONTROL PROGRAM AQP 1084 FOR FACILITY AT 7550-114 AVE SE CALGARY AB.  
REGISTERED QUALITY CONTROL PROGRAM AQP 1316 FOR FACILITY AT 502 MITCHELL STREET NORTH REDCLIFF AB.
- EXTERIOR & INTERIOR OF PIPE TO BE FREE OF WELD SLAG, SPATTER, GREASE, MOISTURE, ETC.
- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED.
- ALL PIPING CUT LENGTHS ARE CALCULATED WITH A (3 mm) WELD GAP.
- FOR TACK WELDS USE PES-WPS-02
- DESIGN PRESSURE EQUALS MAWP.

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LINE NUMBER 1" -NPT_300_GLYCOL TO REBOILER		SPEC 600#	FLUID SERVICE NORMAL FLUID SERVICE	PIPE CODE ASME B31.3 (LATEST EDITION & ADENDA)	WPS PES-WPS-01/03		CLIENT STOCK																	
<table border="1"> <tr> <td>FITTING TO PIPE</td> <td>SOL/TOL/WOL</td> <td>TRANSITION WELD</td> <td>PIG BAR WELD</td> <td>RFSO FLANGE</td> <td>SOCKET WELD</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1) PES-WPS-03</td> <td>2) PES-WPS-01</td> <td>3) PES-WPS-21</td> <td>4) PES-WPS-01</td> <td>5) PES-WPS-01</td> <td>6.) PES-WPS-01</td> </tr> </table>		FITTING TO PIPE	SOL/TOL/WOL	TRANSITION WELD	PIG BAR WELD		RFSO FLANGE	SOCKET WELD							1) PES-WPS-03	2) PES-WPS-01	3) PES-WPS-21	4) PES-WPS-01	5) PES-WPS-01	6.) PES-WPS-01			DES. PRESS. 9928 kPa (1440 PSI)	CA 1.6mm (0.0625")
FITTING TO PIPE	SOL/TOL/WOL	TRANSITION WELD	PIG BAR WELD	RFSO FLANGE	SOCKET WELD																			
1) PES-WPS-03	2) PES-WPS-01	3) PES-WPS-21	4) PES-WPS-01	5) PES-WPS-01	6.) PES-WPS-01																			
				DES. TEMP. 38°C (100°F)	SANDBLAST SSPC-SP3	DRAWN BY LL 17-07-07 CHK'D BY BX 17-07-07 APP'D BY DG 17-07-07																		
				MMDT -29°C (-20°F)	PRIME (1) COAT OF WARM GRAY DTM																			
				TEST PRESS. 14892 kPa (2160 PSI)	PAINT (1) COAT OF WARM GRAY DTM																			
				RADIOGRAPHY 10%	INSUL NO																			
				PWHT NO	HEAT TRACE NO																			
				IMPACT TEST NO																				
REV.	REVISION DESCRIPTION		DATE	BY	CHK'D	APP'D	DESIGN DATA																	
0	ISSUED FOR CONSTRUCTION		17-07-10	LL	BX	DG																		
							JOB NO 30086 DWG. NO. 30086-ISO-10 SHT 1 OF 1 REV. 0																	