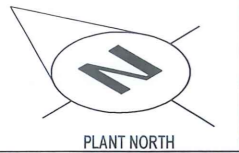
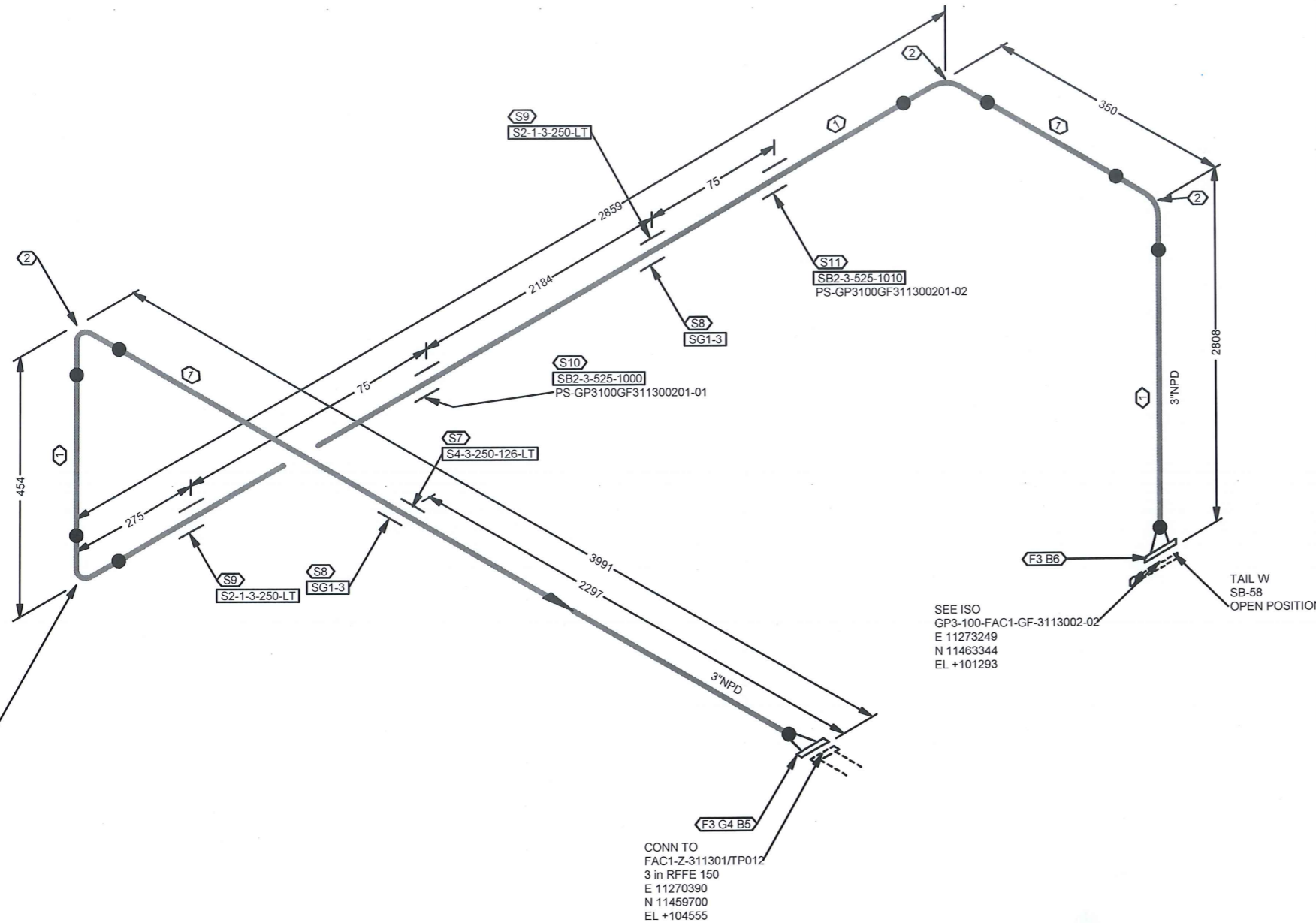


DWG NO. KZ02-PI-ISO-53-GP3-GF-3113002-001



BILL OF MATERIALS

PT NO	DESCRIPTION	NPD (INS)	ITEM CODE	QTY.
SHOP MATERIALS				
1	3" Sch80/XS, Pipe BE ASME B36.10M smls ASTM A333 GR 6	3	PIPM0000119	9.5 M
2	3" Sch80/XS, Elbow 90 deg BW ASME B16.9 LR smls ASTM A420 GR WPL6	3	ELWN0000162	4
3	3" Sch80/XS, Flange WN ASME B16.5 CL 150 RF ASTM A350 GR LF2 CL1	3	FLGW0000163	2
FIELD MATERIALS				
4	3", Gasket spiral wound 4.5mm thk CL 150 winding SS316L graphite filled inner ring SS316L centering ring SS316L ASME B16.20 to suit ASME B16.5 low stress type	3	GKTS0000092	1
5	Stud bolt ASTM A320 GR L7/A194 GR 7 S3 with 2 heavy hex nuts dims to ASME B18.2.1/18.2.2 threaded to ASME B1.1 CL 2A/2B UNC galvanised - 90 mm Length	5/8	BLTS0000055	4
6	Stud bolt ASTM A320 GR L7/A194 GR 7 S3 with 2 heavy hex nuts dims to ASME B18.2.1/18.2.2 threaded to ASME B1.1 CL 2A/2B UNC galvanised - 115 mm Length	5/8	BLTS0014856	4
7	PIPE SHOE FOR SLOPED LINES WITH CLAMP	3	S4-3-250-126-LT	1
8	GUIDE ON PIPE SHOE	3	SG1-3	2
9	CLAMPED SHOE	3	S2-1-3-250-LT	2
10	SUSPENDED BRACKET(WITH ONE SIDE PROJECTION)	3	SB2-3-525-1000	1
11	SUSPENDED BRACKET(WITH ONE SIDE PROJECTION)	3	SB2-3-525-1010	1



NOTES:  
1. PIPE QUANTITY IS IN METERS & OTHER QUANTITIES ARE IN NOS.  
2. ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN MILLIMETERS.  
3. FOR GENERAL NOTES & APPLICABLES REFERENCE DOCUMENTS REFER ISOMETRIC INDEX DOCUMENT NO. KZ02-PI-ISO-53-1001  
4. FOR SUPPORT DETAILS REFER PIPE SUPPORT STANDARD KZ02-PI-STD-53-1001  
5. LINE PARAMETERS ARE PROVIDED IN ISOMETRICS FOR REFERENCE ONLY.  
6. IN CASE OF DISCREPANCIES, LINE LIST SHALL GOVERN.  
7. CO-ORDINATES ARE AS PER PLANT CO-ORDINATES SYSTEM.  
8. ISOMETRICS OF LINES 1 1/2" AND SMALLER ARE FOR GUIDANCE ONLY.  
9. THE LINE SHALL BE FABRICATED TO SUITE SITE CONDITIONS. CONSTRUCTION CONTRACTOR TO ENSURE THAT THE LINE IS ADEQUATELY SITE SUPPORTED  
10. ALL INSTRUMENTS ON THIS ISO SHALL BE PREFIXED BY PLANT LOCATION ID  
11. PIPING ON THIS ISO SHALL BE PREFIXED BY PLANT LOCATION ID FAC1 AND SHALL TAKE THEIR SYSTEM NO. FROM LINE NO. ON WHICH THEY ARE LOCATED UNLESS OTHERWISE SPECIFIED.

P&ID NO. KZ02-PR-PID-53-31573-001									
OPER. PR. (kPag)	700.00	OPER TEMP. (deg C)	57.00						
DESIGN PR. (kPag)	1100.00	DESIGN TEMP. (deg C)	100.00						
TEST PR. (kPag)	1650.00	TEST MEDIUM	WATER						
RADIOGRAPHY (%)	20	MP/DP (%)	100	C01	20/04/2018	ISSUED FOR CONSTRUCTION	VCP	PPD	ADK
INSUL TYPE		PWHT	N	REV	DATE	DESCRIPTION	ORIG	CHK'D	APP'D
INSUL THK (MM)	0.00	PAINTING SYSTEM	1	STRESS SYS.NO:	GP3-073	WBS NO: GP3	INCH DIA: 30.00	SPEC: B01B3	



CLIENT: BP EXPLORATION (EPSILON) LIMITED  
GHAAZEEER PROJECT - KHAZZAN CENTRAL PROCESSING FACILITY (CPF) PHASE II  
CONTRACT NO.: CW2131917  
ORIGINAL DWG SIZE: A3  
SECURITY CLASS.: PROJECT INTERNAL  
PETROFAC JOB NO.: JI-2038  
LINE NO. 3"-FAC1-GF-3113002-B01B3-NI

TITLE: PIPING ISOMETRIC		
GP3-100-FAC1-GF-3113002-01		
SCALE	DRAWING No.	REVISION
NTS	KZ02-PI-ISO-53-GP3-GF-3113002-001	C01
CAD Filename: KZ02-PI-ISO-53-GP3-GF-3113002-001-C 01 .DWG		

BPA3ISO.DWG