



FABRICATION MATERIALS

COMPONENT DESCRIPTION

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1	Pipe ASME B36.10M BE S-30 ASTM A 333 GR. 6 SMLS	12	26720	58.7M
2	Pipe ASME B36.10M BE S-80 ASTM A 333 GR. 6 SMIS	2	26700	1.5M
3	Sockolet MSS SP-97 BWxSW 3000# ASTM A 350 Gr. LF2 Class 1 FRGD.	12 x 1	15207	1
4	ELDOW 90 D LR ASME B16.9 BW S-30 ASTM A 420 GR. WPL6 Wrought S	12	910	3
5	ELbow 90 D LR ASME B16.9 BW S-80 ASTM A 420 GR. WPL6 Wrought S	2	890	1
6	Flange Weldneck ASME B16.5 300 LB RF (125-250 AARH) S-80 ASTM A 350 Gr. LF2 Class 1 FRGD.	2	22733	3

N.S. (INS)

ITEM CODE

QTY

ERECTION MATERIALS

PT NO	COMPONENT DESCRIPTION	N.S. (INS)	ITEM CODE	QTY
7	Gasket Spiral Wound - 4.5 mm Thk. ASME B16.20 300 LB Outer LTCS ring 3.2mm,inner ring SS316 AISI 316 SPIRAL WOUND/GRAPHITE	2	25204	4
8	90 Stud bolt w/2 heavy hex. nuts ASME B18.2.2 /ASME B1.1 ASTM A 193 GR.B7M/A194 GR.2HM	5/8	35157	32
9	Valve Ball LP FB API 6D FLG 300 LB RF (125-250 AARH) Bolted, Split, Side Entry (Cast Or Forge) GA-E-60793L ASTM A 352 GR. LCC or A 350 GR.LF2 CL.1 Cast or Forged	2	31446	1
10	Valve Globe LP BS 1873 FLG 300 LB RF	2	29210	1

(125–250 AARH) Bolted Bonnet GA-E-60202L ASTM A 352 GR. LCC Cast

PHASE 14 CONSORTIUM **APPROVED FOR** CONSTRUCTION

ALL CONTROL VALVES, SAFETY VALVES, STRAINERS, SPECIAL PARTS, INSTRUMENT ITEMS SHOULD BE CHECKED WITH LAST REVISION OF VENDOR DRAWING (ACTUAL DIMENSION) BEFORE ANY SPOOL FABRICATION ACTIVITIES.

***-** -	
1- ROOT GAPS OF BUTT WELD FITTINGS ARE NOT INCLUDED IN DIMENSIONS.	
2- ISOMETRIC DRAWINGS FOR 1 1/2" AND SMALLER PIPINGS ARE JUST FOR	
INFORMATION. PIPING ROUTING, DIMENSIONS AND ELEVATIONS TO BE	
CHECKED BY CONSTRUCTION CONTRACTOR BEFORE INSTALLATION.	
3- FOR 1 1/2" AND SMALLER, SUPPORTS TO BE SELECTED BY CONSTRUCTION	
CONTRACTOR EXCEPT AS NOTED.	
4- BEFORE PRE-FABRICATION CHECK ACTUAL SIZE OF SPECIAL ITEMS.	

	CONDITION	l DL.						
	PRESS. (barg)	47.4						
	TEMP.(°C)	55						
NC	TEST FLUID: H	PRESS. TEST(
	INSULATION TYPE:C							
	PAINT CODE: 3							
	STDESS ANALYSIS. 2							

	CON	NOITION		DES	SIGN		OPERATING								
PRESS. (ba		irg)	47.4			16									
	TEMP.(°C)		55				48								
	TEST FLUID	: H	PRES	S. TEST(barg):	71.1									
	INSULATION TYPE:C			INSULATION THK.: 30		D3	26.Jun.19	APPROVED FOR CONSTRUCTION	IPMI	A.KH.	H.L.	A.D.	Р.Т.		
	PAINT CODE: 3			HEAT TRANSFER CEMENT:-		D2	04.10.14	APPROVED FOR CONSTRUCTION	IPMI	F.Y.	S.M	M.F	Р.Т.		
STRESS ANALYSIS: 2		DENSITY(kg/m³):571.3		m³):571.3	D1	14.12.11	APPROVE FOR CONSTRUCTION	IPMI	Z.Z	A.D	M.F	Р.Т.			
		STEAM TRACING	QTY.	TRACIN	G SIZE	NDT:10	0%RT	D0	20.10.11	ISSUED FOR APPROVAL	IPMI	Z.Z	A.D	M.F	Р.Т.
	TRACING	-		-		PWHT: I	N	REV.	DATE	DESCRIPTION	ORIG.	PREP.	CHKD.	APPD.	CONT
		ELEC. TRACING		<u>П</u> N	10 X	PHASE:	: L	REF.	P&ID DWG.	.No.:14-147-0030-0101					

Z, IDRO	
B	.4

ORIGINATOR

B 12"-L.147.10081-D21-C

DWG-14-147-1330-2001-I

DOCUMENT No.:









ISO DRAWING No.:

L.147.10081

PHASE 14 **TOMBAK ONSHORE FACILITIES DETAIL DESIGN**



PROJECT No.: POGC-653-89-35

LINE CLASS: D21 147

D3

N.I.O.C PARS OIL AND GAS COMPANY ORG. ID.: REV.: SHT. No.:

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