



"AS - BUILT"

NOTES:

1. CONTRACTOR TO DECIDE ON FIELD WELDS AND EXTRA SPOOL LENGTH WHEREVER NECESSARY.
2. WELD NO. ① TO ②③

BILL OF MATERIAL

FABRICATION MATERIALS

PT NO	COMPONENT DESCRIPTION	N. S. (INS)	PIPE SPEC.	QTY
1	PIPE SMLS BE STD. WT. A106 GR. B, NACE	10	A1	1.9M
2	PIPE SMLS BE SCH 80 A106 GR. B, NACE	2	A1	1.1M
3	EQUAL TEE BW STD. WT. A234 GR. WPB, NACE	10 x 10	A1	2
4	CONC RED BW STD. WT. A234 GR. WPB, NACE	10 x 4	A1	2
5	WELDOLET STD. WT. x SCH 80 A105, NACE	10 x 2	A1	1
6	90 DEG LR ELBOW SMLS BW STD. WT. A234 GR. WPB, NACE	10	A1	3
7	90 DEG LR ELBOW SMLS BW SCH 80 A234 GR. WPB, NACE	2	A1	2
8	FLANGE 150LB WN RF STD. WT. A105, NACE	10	A1	5
9	FLANGE 150LB WN RF SCH 40 A105, NACE	4	A1	2
10	FLANGE 300LB WN RF SCH 80 A105, NACE	2	A1	1

ERECTION MATERIALS

PT NO	COMPONENT DESCRIPTION	N. S. (INS)	PIPE SPEC.	QTY
11	BLIND FLANGE 150LB RF A105, NACE	10	A1	1
12	SPIRAL WOUND GASKET 150LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	10	A1	5
13	SPIRAL WOUND GASKET 150LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	4	A1	2
14	120 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	7/8	A1	60
15	95 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	5/8	A1	16
16	BALL VALVE 150LB RF, BV-22(FB) (CSD)	10	A1	1
17	BALL VALVE 150LB RF, BV-22(FB) (CSC)	10	A1	1

SUPPORTS

18	STD TTI CLAMP	10	A1	1
----	---------------	----	----	---

XO	AS BUILT	AR	RAGU	SD	09.04.12
1	AS BUILT	FT	BS	SD	07.06.10
0	APPROVED FOR CONSTRUCTION	NN	CG	SD	30.04.08
REV. NO	DESCRIPTION OF REVISION	BY	CHKD	APPD	DATE

CLIENT: **OOG TK FPSO**

PROJECT:	FPSO CIDADE DEITAJAI	JOB NO.	21-9791
TITLE:	PIPING ISOMETRIC	CLASS	ABS
LINE NO	901-10"-VFH-1003A-A1 901-10"-VFH-1003B-A1	TPV NUMBER. NO.	7000-04-L-26-XN-05121

BSI DISCIPLINE SIGN	APPROVED BY	SD
PROCESS	MECHANICAL	VC
PIPING	WICH	N.T.S
STRUCTURAL	E & I	AK
PROJECT	ED	AK

JURONG SHIPYARD PTE LTD
(A subsidiary of SembCorp Marine Ltd)
ENGINEERING DEPARTMENT XXX SECTION

U wasco Gas Services International (S) Pte Ltd

JSL

ISO 9001

DESIGN DATA	
1. DESIGN PRESSURE	: 5 BARG
2. OPERATING TEMPERATURE	: 65° C
3. HYDROSTATIC TEST PRESSURE	: 7.5 BARG
4. CORROSION ALLOWANCE	: 1/8"
5. RADIOGRAPHY	: 10%
6. INSULATION	: NO
7. INSPECTION BY	: GSI (QC)
8. PWHT	: NO