



- NOTES:
- CONTRACTOR TO DECIDE ON FIELD WELDS AND EXTRA SPOOL LENGTH WHEREVER NECESSARY.
  - WELD NO. ① TO ⑪

DESIGN DATA	
1. DESIGN PRESSURE	: 43.8 BARG
2. OPERATING TEMPERATURE	: 106° C
3. HYDROSTATIC TEST PRESSURE	: 65.7 BARG
4. CORROSION ALLOWANCE	: 1/8"
5. RADIOGRAPHY	: 100%
6. INSULATION	: PP
7. INSPECTION BY	: GSI (QC)
8. PWHT	: NO

BILL OF MATERIAL

FABRICATION MATERIALS

PT NO	COMPONENT DESCRIPTION	N. S. (INS)	PIPE SPEC.	QTY
1	PIPE SMLS BE XS A106 GR. B, NACE	10	B1	9.8M
2	WELDOLET XS x SCH 160 A105, NACE	10 x 1.1/2	B1	1
3	WELDOLET XS x SCH 160 A105, NACE	10 x 3/4	B1	1
4	90 DEG LR ELBOW SMLS BW XS A234 GR. WPB, NACE	10	B1	3
5	45 DEG ELBOW SMLS BW XS A234 GR. WPB, NACE	10	B1	1
6	FLANGE 300LB WN RF XS A105, NACE	10	B1	1
7	FLANGE 600LB WN RF SCH 160 A105, NACE	1.1/2	B1	1
8	FLANGE 600LB WN RF SCH 160 A105, NACE	3/4	B1	1

ERECTION MATERIALS

PT NO	COMPONENT DESCRIPTION	N. S. (INS)	PIPE SPEC.	QTY
9	SPIRAL WOUND GASKET 300LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	10	B1	2
10	SPIRAL WOUND GASKET 600LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	1.1/2	B1	1
11	SPIRAL WOUND GASKET 600LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	3/4	B1	1
12	180 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	1	B1	16
13	115 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	3/4	B1	4
14	145 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	5/8	B1	4
15	DB&B SLIM-LINE INSTRUMENT MONOFLANGE 600LB	3/4	B1	1
16	901RD 115	10		1
17	901TW 115	1.1/2		1
18	901PZT 115	3/4		1

SUPPORTS

19	STD TTI CLAMP	10	B1	5
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X0	AS BUILT	AR	RAGU	SD	09.04.12
3	AS BUILT	FT	BS	SD	07.06.10
2	REVISED AS SHOWN	NN	CG	SD	14.05.08
1	REVISED PER P&ID CHANGES	NN	CG	SD	17.04.08
0	APPROVED FOR CONSTRUCTION	SHU	CG	SD	27.03.08
REV. NO	DESCRIPTION OF REVISION	BY	CHKD	APPD	DATE

CLIENT : **OOG FPSO**

PROJECT : **FPSO CIDADE DEITAJAI**

JOB NO. : **21-9791**

QUANTITY : **1**

CLASS : **ABS**

TITLE : **PIPING ISOMETRIC**

LINE NO : **901-10"-PG-1003A-B1 (SHT.1/2)**  
**901-10"-PG-1003B-B1 (SHT.1/2)**

CLASS : **ABS**

TRIP DRAWING NO. : **7000-04-L-26-XN-05121**

DISCIPLINE SIGN : **MECHANICAL** (AR), **STRUCTURAL** (WKN), **E & I** (AK), **PROJECT** (EG)

APPROVED BY : **SD**, **CG**, **SHU**, **N.T.S.**

WASCO Gas Services International (S) Pte Ltd

JURONG SHIPYARD PTE LTD (A subsidiary of SembCorp Marine Ltd)

ENGINEERING DEPARTMENT : **XXX** SECTION

REVISION : **SD**, **CG**, **SHU**, **N.T.S.**

