

"AS-BUILT"

NOTES:

1. CONTRACTOR TO DECIDE ON FIELD WELDS AND EXTRA SPOOL LENGTH WHEREVER NECESSARY.
2. WELD NO. (1) TO (9) & (21) TO (32)

BILL OF MATERIAL

FABRICATION MATERIALS

PT NO	COMPONENT DESCRIPTION	N. S. (INS)	PIPE SPEC.	QTY
1	PIPE SMLS BE XS A106 GR. B, NACE	16	B1	1.7M
2	PIPE SMLS BE XS A106 GR. B, NACE	10	B1	5.0M
3	PIPE SMLS BE SCH 80 A106 GR. B, NACE	8	B1	1.0M
4	CAP BW XS A234 GR. WPB, NACE	16	B1	2
5	90 DEG LR ELBOW SMLS BW XS A234 GR. WPB, NACE	10	B1	3
6	45 DEG ELBOW SMLS BW XS A234 GR. WPB, NACE	10	B1	2
7	FLANGE 300LB WN RF XS A105, NACE	10	B1	2
8	FLANGE 300LB WN RF SCH 80 A105, NACE	8	B1	2

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	1
10	SPIRAL WOUND GASKET 300LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	8	B1	2
11	165 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	1	B1	16
12	145 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	7/8	B1	24

X0	AS BUILT	AR	RAGU	SD	09.04.1
3	AS BUILT	FT	BS	SD	07.06.1
2	REVISED AS SHOWN	NN	CG	SD	14.05.0
1	REVISED PER P&ID CHANGES	NN	CG	SD	17.04.0
0	APPROVED FOR CONSTRUCTION	SHU	CG	SD	27.03.0
REV. NO	DESCRIPTION OF REVISION	BY	CHK'D	APP'D	DATE

CLIENT :



PROJECT :

FPSO CIDADE DEITAJAÍ

JTB NO.

QUANTITY:	
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TITLE:
PIPING ISOMETRIC


LINE NO	
901-10"-PG-1004A-B1	(SHT.1/2)
901-10"-PG-1004B-B1	(SHT.1/2)

CLASS :	ARS
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2) TRFJ DRAWING NO.
7000-04-L-26-XN-05121

DESIGN DATA

1. DESIGN PRESSURE	: 43.8 BARG
2. OPERATING TEMPERATURE	: 49° C
3. HYDROSTATIC TEST PRESSURE	: 65.7 BARG
4. CORROSION ALLOWANCE	: 1/8"
5. RADIOGRAPHY	: 100%
6. INSULATION	: NO
7. INSPECTION BY	: GSI (QC)
8. PWHT	: NO

BSI DISCIPLINE SIGN		APPROVED BY		SD	 wasco	Gas Services International (S) Pte Ltd				
PROCESS	AR	CHECKED BY		CG						
MECHANICAL	VC	DRAWN BY								
PIPING	MH	SCALE		N.T.S						
STRUCTURAL	WYKH									
E & I	AK	ACAD DWG NO		6375-5121-13_X0	JOB NO	K375	BSI DES. NO	GS1-G375-5121	SHT 13	REV
PROJECT	EG									



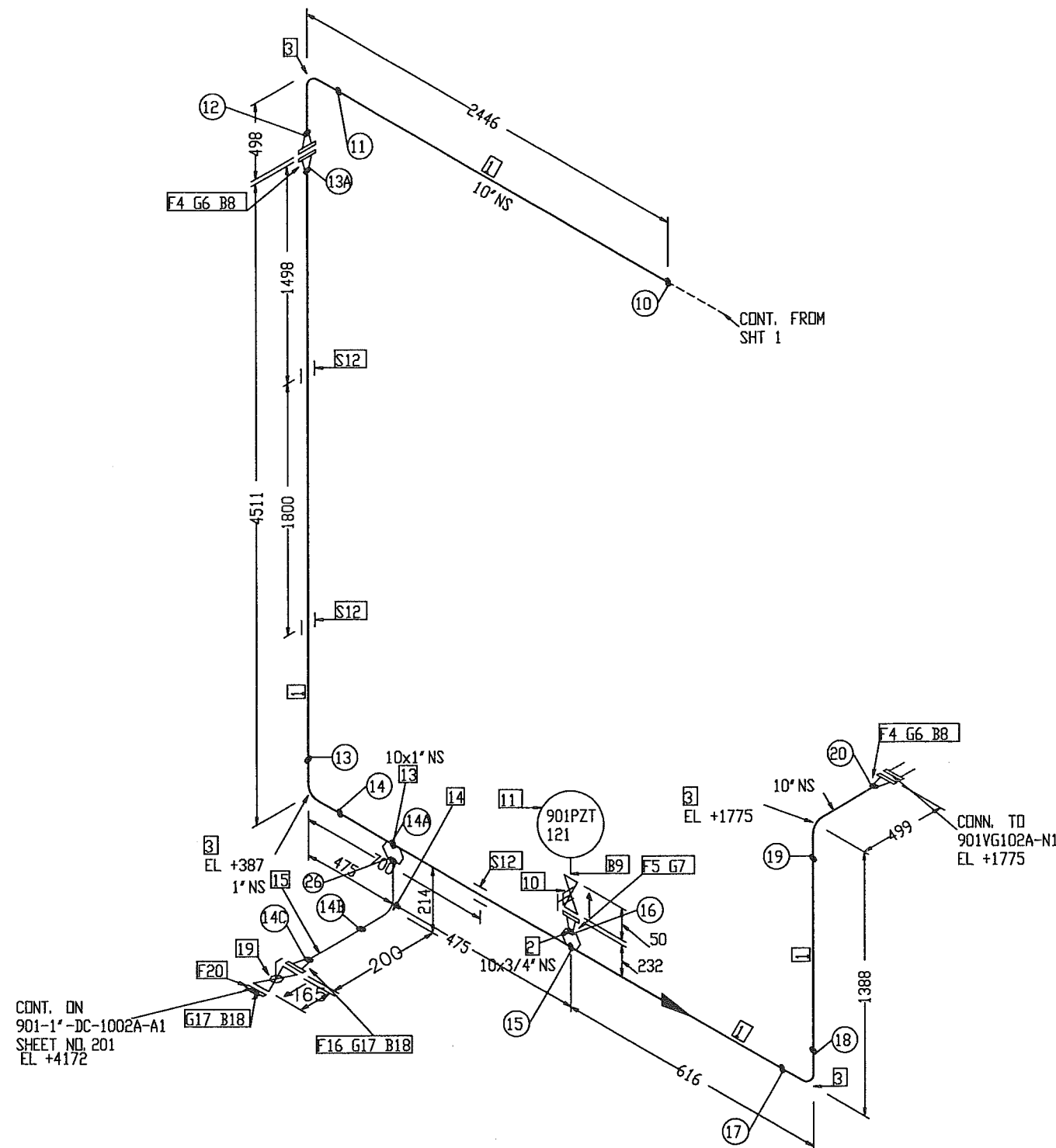
wasco

Gas Services International (S) Pte Ltd

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

ENGINEERING DEPARTMENT XXX SECTION





CONT. ON
901-1'-DC-1002A-A1
SHEET NO. 201
EL +4172

"AS - BUILT"

- NOTES:**
- CONTRACTOR TO DECIDE ON FIELD WELDS AND EXTRA SPOOL LENGTH WHEREVER NECESSARY.
 - WELD NO. (10) TO (20) & (13A)

DESIGN DATA	
DESIGN PRESSURE	: 43.8 BARG
OPERATING TEMPERATURE	: 49° C
HYDROSTATIC TEST PRESSURE	: 65.7 BARG
CORROSION ALLOWANCE	: 1/8"
RADIOGRAPHY	: 100%
INSULATION	: NO
INSPECTION BY	: GSI (QC)
PWHT	: NO

BILL OF MATERIAL

PT NO	COMPONENT DESCRIPTION	N. S. (INS)	PIPE SPEC.	QTY
1	PIPE SMLS BE XS A106 GR. B, NACE	10	B1	7.6M
2	WELDOLET XS x SCH 160 A105, NACE	10 x 3/4	B1	1
3	90 DEG LR ELBOW SMLS BW XS A234 GR. WPB, NACE	10	B1	4
4	FLANGE 300LB WN RF XS A105, NACE	10	B1	3
5	FLANGE 600LB WN RF SCH 160 A105, NACE	3/4	B1	1

ERECTION MATERIALS

PT NO	COMPONENT DESCRIPTION	N. S. (INS)	PIPE SPEC.	QTY
6	SPIRAL WOUND GASKET 300LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	10	B1	2
7	SPIRAL WOUND GASKET 600LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	3/4	B1	1
8	165 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	1	B1	32
9	145 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	5/8	B1	4
10	DB&B SLIM-LINE INSTRUMENT MONOFLANGE 600LB	3/4	B1	1
11	901PZT 121	3/4		1

SUPPORTS

PT NO	COMPONENT DESCRIPTION	N. S. (INS)	PIPE SPEC.	QTY
12	STD TTI CLAMP	10	B1	3
13	WELDOLET XS x SCH 160 A105, NACE	10 x 1	B1	1
14	90 DEG LR ELBOW SMLS BW SCH 160 A234 GR. WPB, NACE	1	B1	1
15	PIPE SMLS BE SCH 160 A106 GR. B, NACE	1	B1	75MM
16	FLANGE 300LB WN RF SCH 160 A105, NACE	1	B1	1
17	SPIRAL WOUND GASKET 300LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	1	B1	2
18	83 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	5/8	B1	8
19	BALL VALVE 300# RF, FLGD AS PER PIE SPEC B1	1	B1	1
20	FLANGE 300LB SW RF SCH 160 A105, NACE	1	B1	1

X0	AS BUILT	AR	RAGU	SD	09.04.12
4	REVISED AS SHOWN	RAGU	LYC	SD	01.12.11
3	ADDED LOW POINT DRAIN	RAGU	BS	SD	25.08.11
2	AS BUILT	FT	BS	SD	07.06.10
1	REVISED PER GSI'S COMMENTS	NN	CG	SD	14.05.08
0	APPROVED FOR CONSTRUCTION	SHU	CG	SD	27.03.08
REV. NO	DESCRIPTION OF REVISION	BY	CHK'D	APP'D	DATE

CLIENT : **OOG FPSO**

PROJECT : **FPSO CIDADE DEITAJAI**

JOB NO. : **21-9791**

QUANTITY : **1**

TITLE : **PIPING ISOMETRIC**

LINE NO : **901-10"-PG-1004A-B1 sht 2/2**
901-10"-PG-1004B-B1 sht 2/2

CLASS : **ABS**

TRF/ISSUING NO. : **7000-04-L-26-XN-05121**

BSI DISCIPLINE SIGN : **SD**

APPROVED BY : **SD**

PROCESS : **MECHANICAL**

CHECKED BY : **BS**

PIPING : **WCH**

DRAWN BY : **RAGU**

STRUCTURAL : **WCH**

SCALE : **N.T.S**

E & I : **AK**

ACAD DWG : **EG**

PROJECT : **G375-5121-14_X0**

JOB NO. : **K375**

GSI DWS. NO. : **GSI-G375-5121**

SHT : **14**

REV : **X0**

U wasco Gas Services International (S) Pte Ltd

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

ENGINEERING DEPARTMENT : **XXX** SECTION

ISO 9001
Certificate Number: 2100