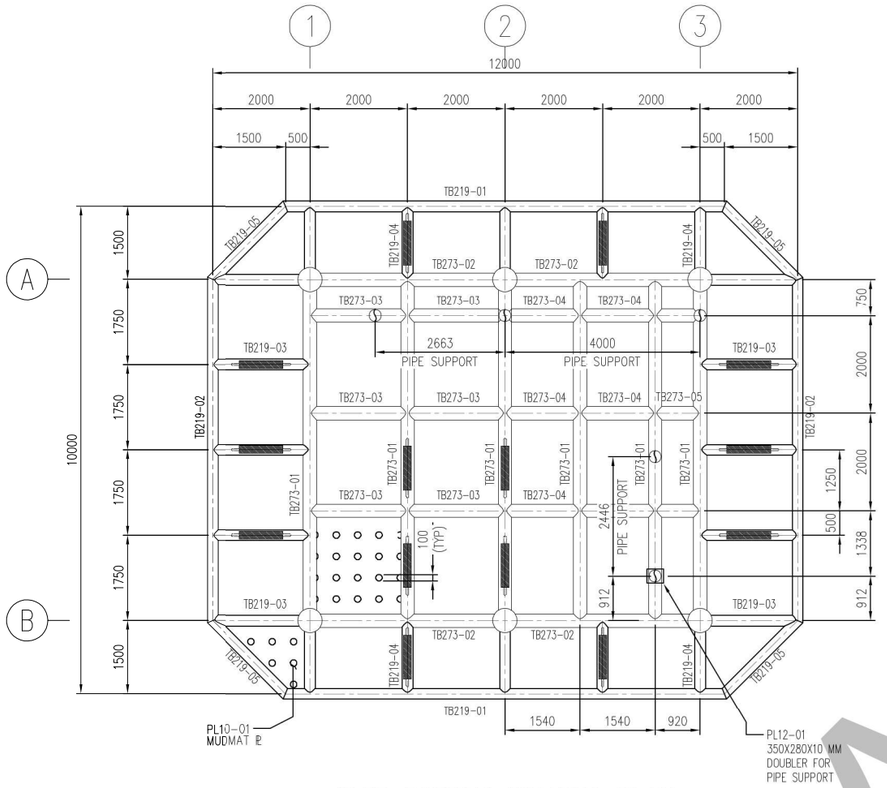
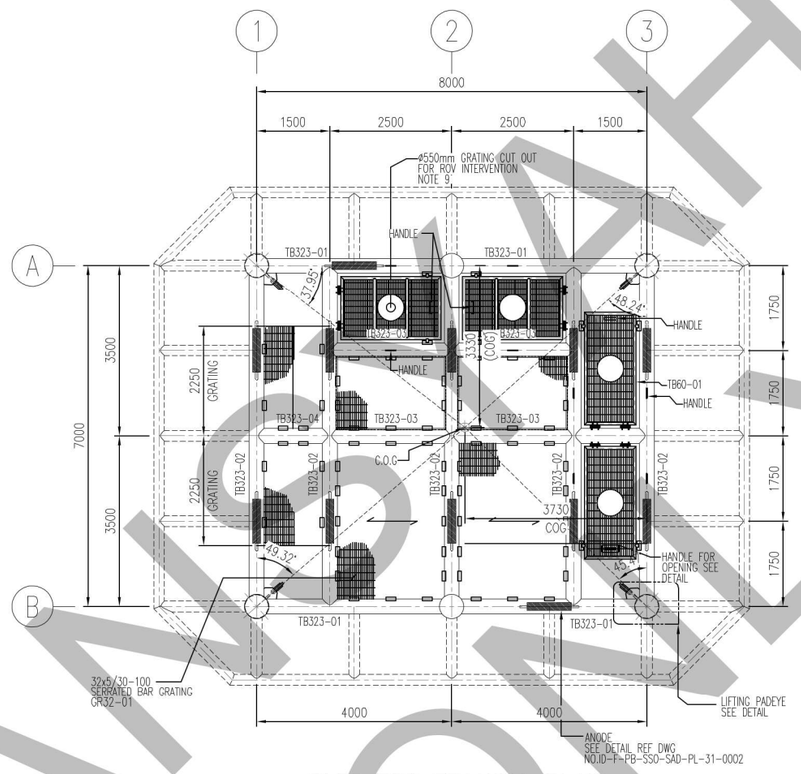


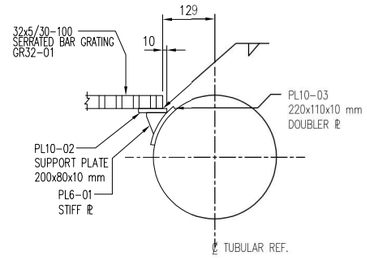
PLET BOTTOM FRAMING PLAN

SCALE 1 : 125



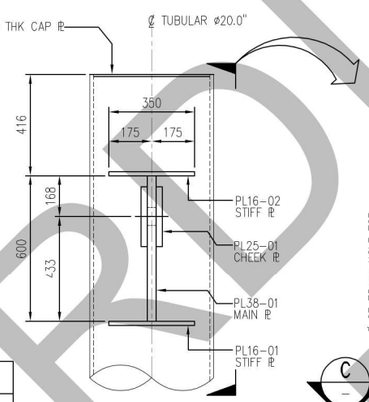
PLET TOP FRAMING PLAN

SCALE 1 : 125



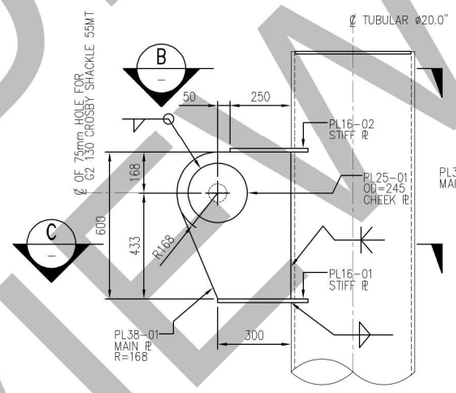
GRATING SUPPORT

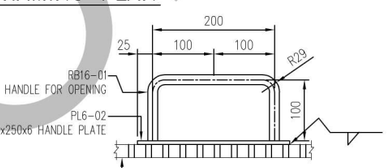
SCALE 1 : 10



PADEYE DETAIL

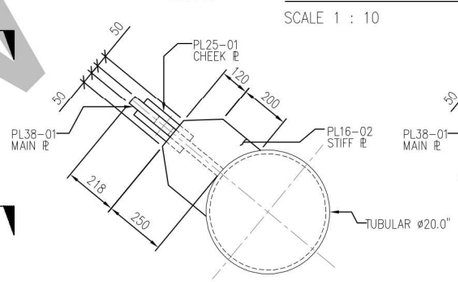
SCALE 1 : 25 (4 LOC'S)





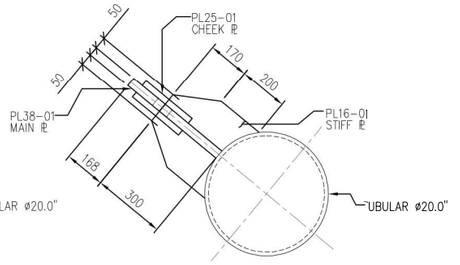
HANDLE DETAIL

SCALE 1 : 10



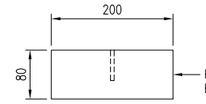
SECTION B

SCALE 1 :25



SECTION C

SCALE 1 :25



SUPPORT PLATE DETAIL

SCALE 1 : 10

NOTES :

1. ALL DIMENSION ARE IN MILIMETER AND ELEVATION ARE IN METER U.N.O
2. WATER DEPTH/SEABED ELEVATION ARE IN METER AND ARE REFERENCED TO M.S.L
3. ALL TUBULAR CONNECTION SHALL BE FULL PENETRATION
4. DENOTES 10 THK. MUMDAT PLATE
5. STEEL GRATING SHALL BE HOT DIPPED GALVANIZED SERRATED 32mm x 5mm, RECTANGULAR BAR, WELDED STEEL TYPE WITH BERING SPACED AT TRANSVERSE BAR AT 30mm ON CENTER
6. ALL FREE EDGE STEEL GRATING PANELS TO BE FRAMED AND WELDED.
7. DENOTES THE DIRECTION OF GRATING SPAN
8. AREA FOR CP TEST POINT SHALL BE NO PAINTED WITH 100W x 200L
9. GRATING CUT OFF SIZE SHALL BE VERIFIED DURING FABRICATION.

MATERIAL TAKE OFF

MARK	DESCRIPTION	TYPE STEEL	MATERIAL SPEC.	L/A/V (*)	QTY	TOTAL L/A/V (*)	UNIT	UNIT WEIGHT (KG/M)	TOTAL WEIGHT (KG)
TB323-01	ø323.85 x 12.7 W.T	TYPE 2	API 5L Gr. X52	4.000	4	16.00	M	97.44	1559.04
TB323-02	ø323.85 x 12.7 W.T	TYPE 2	API 5L Gr. X52	7.000	5	35.00	M	97.44	3410.40
TB323-03	ø323.85 x 12.7 W.T	TYPE 2	API 5L Gr. X52	2.500	4	10.00	M	97.44	974.40
TB323-04	ø323.85 x 12.7 W.T	TYPE 2	API 5L Gr. X52	1.500	2	3.00	M	97.44	292.32
TB273-01	ø273.05 x 12.7 W.T	TYPE 2	API 5L Gr. X52	7.000	6	42.00	M	81.54	3425
TB273-02	ø273.05 x 12.7 W.T	TYPE 2	API 5L Gr. X52	4.000	4	16.00	M	81.54	1305
TB273-03	ø273.05 x 12.7 W.T	TYPE 2	API 5L Gr. X52	2.000	6	12.00	M	81.54	978
TB273-04	ø273.05 x 12.7 W.T	TYPE 2	API 5L Gr. X52	1.540	6	9.24	M	81.54	753
TB273-05	ø273.05 x 12.7 W.T	TYPE 2	API 5L Gr. X52	0.920	3	2.76	M	81.54	225
TB219-01	ø219.08 x 9.53 W.T	TYPE 2	API 5L Gr. X52	9.000	2	18.00	M	49.22	885.96
TB219-02	ø219.08 x 9.53 W.T	TYPE 2	API 5L Gr. X52	7.000	2	14.00	M	49.22	689.08
TB219-03	ø219.08 x 9.53 W.T	TYPE 2	API 5L Gr. X52	2.000	10	20.00	M	49.22	984.40
TB219-04	ø219.08 x 9.53 W.T	TYPE 2	API 5L Gr. X52	1.500	10	15.00	M	49.22	738.30
TB219-05	ø219.08 x 9.53 W.T	TYPE 2	API 5L Gr. X52	2.121	4	8.48	M	49.22	417.58
TB60-01	ø60.3mm x 3.91mm W.T	TYPE 2	API 5L Gr. X52	18.240	1	18.24	M	5.42	98.86
GR32-01	32x5/30-100 SERRATED BAR GRATING	–	GALVANIZED	18.482	1	18.48	M²	43.45	803.04
PL10-01	10 THK. MUDMAT PLATE	TYPE 4	ASTM A-36	119.970	1	119.97	M²	78.49	9416.45
PL10-02	10 THK. SUPPORT PLATE	TYPE 4	ASTM A-36	0.016	88	1.41	M²	78.49	110.51
PL10-03	10 THK. DOUBLER PLATE	TYPE 4	ASTM A-36	0.024	88	2.11	M²	78.49	165.77
PL12-01	12 THK. DOUBLER PLATE	TYPE 2	API 2H Gr.50	0.145	5	0.73	M²	94.20	68.30
PL12-02	12 THK. HINGE PLATE	TYPE 4	ASTM A-36	0.011	8	0.09	M²	94.20	8.29
PL6-01	6 THK. STIFF PLATE	TYPE 4	ASTM A-36	0.002	88	0.18	M²	47.50	8.36
PL6-02	6 THK. BASE PLATE	TYPE 4	ASTM A-36	0.012	4	0.05	M²	47.50	2.28
RB16-01	ø16 ROUND BAR	TYPE 4	ASTM A-36	0.382	8	3.056	M	1.58	4.82
								TOTAL WEIGHT (TON) =	27.324

SPECIFICATION : 1 =
(SPEC.) 2 =
(*) L – LENGTH (M) ; A – AREA (M²) ; V – VOLUME (KG/M)

PADEYE MATERIAL TAKE OFF

MARK	DESCRIPTION	TYPE STEEL	MATERIAL SPEC.	L/A/V (*)	QTY	TOTAL L/A/V (*)	UNIT	UNIT WEIGHT (KG/M)	TOTAL WEIGHT (KG)
PL38-01	38 mm MAIN PLATE	TYPE 1	API 2H Gr.50 (TPP)	0.241	4	0.96	M²	298.30	287.56
PL25-01	25 mm CHEEK PLATE	TYPE 1	API 2H Gr.50 (TPP)	0.047	8	0.38	M²	196.25	73.79
PL16-01	16 mm STIFF PLATE	TYPE 2	API 2H Gr.50	0.094	4	0.38	M²	125.60	47.23
PL16-02	16 mm STIFF PLATE	TYPE 2	API 2H Gr.50	0.082	4	0.33	M²	125.60	41
								TOTAL WEIGHT (TON) =	0.450

SPECIFICATION : 1 =
(SPEC.) 2 =
(*) L = LENGTH (M) ; A = AREA (M²) ; V = VOLUME (KG/M)

NOTES :

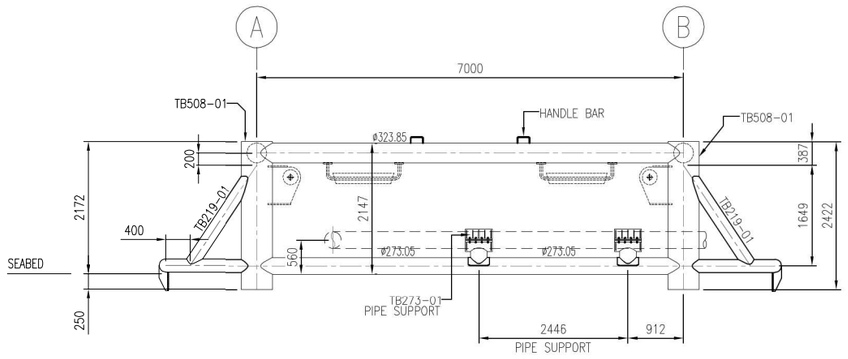
1. ALL UNIT ARE IN MILIMETERS AND ELEVATION ARE IN METER, U.N.O.
2. MATERIAL SPECIFICATION REFERS TO COMPANY SPECIFICATION.

REFERENCE DWG	REV.	DATE	STATUS	DESCRIPTION	BY	CHK	ENG.	LEAD ENG.	MNGR	ENG/LEAD	P.M
–											
–											
–											
–	2	–	AFC	APPROVED FOR CONSTRUCTION	–	–	–	–	–	–	–
–	1	–	AFC	APPROVED FOR CONSTRUCTION	–	–	–	–	–	–	–
–	0A	–	IFA	ISSUED FOR APPROVAL	–	–	–	–	–	–	–
										CLIENT	

PDO – PROJECT DELIVERY OFFSHORE
LOCATION : WP-PAUS-BIRU WHP
AREA : PB-PAUS BIRU
SYSTEM : 31 – SUBSEA PLEM
A3 CAD DRAWING DO NOT ALTER MANUALLY
SCALE : NTS

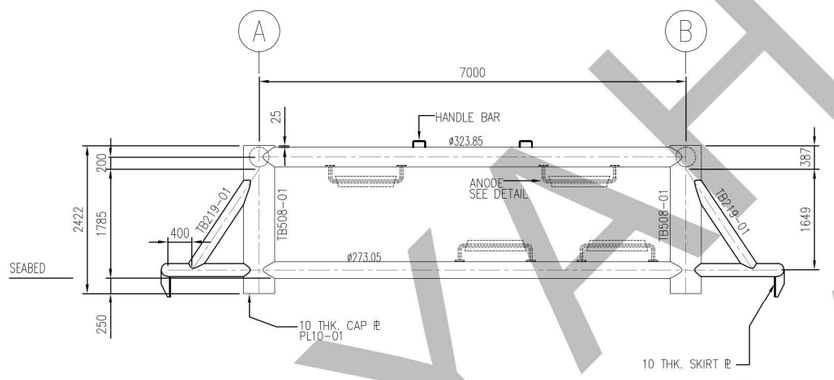
DWG NO. : –
REV. 1
PROJECT TITLE: DESIGN OPTIMIZATION PAUS BIRU FIELD DEVELOPMENT PROJECT
DISCIPLINE / SUB-DISCIPLINE : SSO-STRUCTURAL/STRUCTURAL GENERAL
DOCUMENT TYPE : SAD-STRUCTURAL ARRANGEMENT & FRAMING DRAWINGS
TITLE : PLET FRAMING PLAN 1 OF 1
PREVIOUS NO.: –
PROJECT NO.

ARDIAN SAH
VIEW ONLY



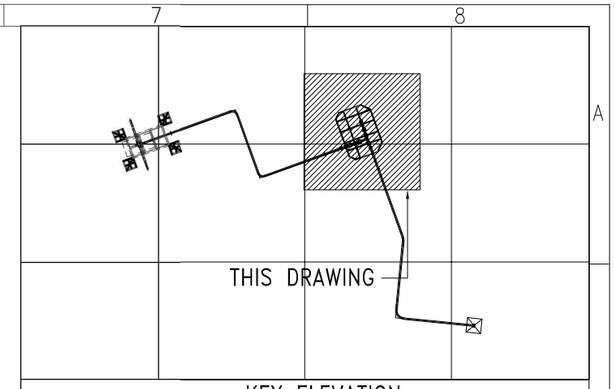
ELEVATION VIEW 1 & 3

SCALE 1 : 100



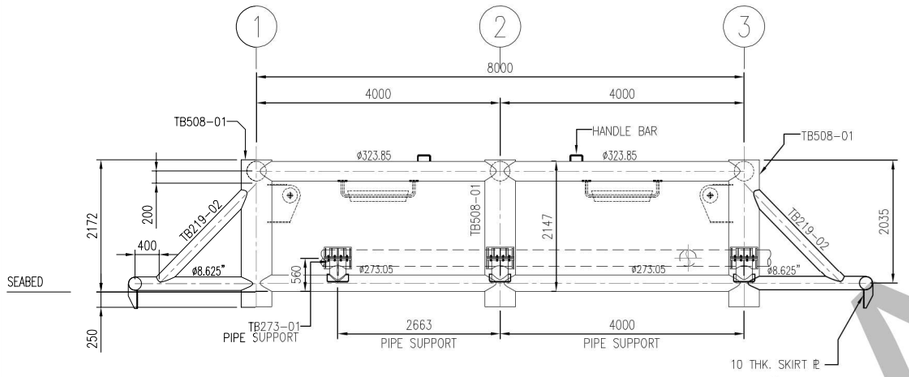
ELEVATION VIEW 2

SCALE 1 : 100



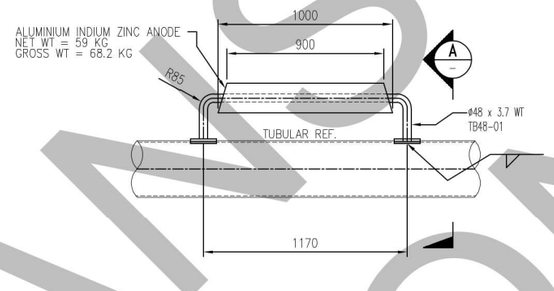
KEY ELEVATION

N.T.S



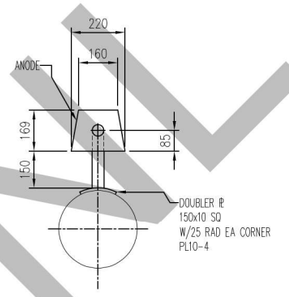
ELEVATION VIEW A & B

SCALE 1 : 100



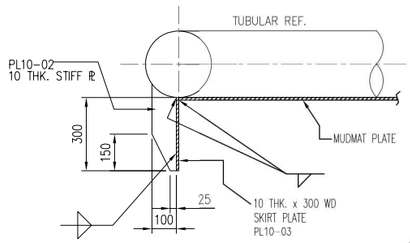
TYPICAL ANODE DETAIL

SCALE 1 : 35
(QYT : 28 NOS, REQ)



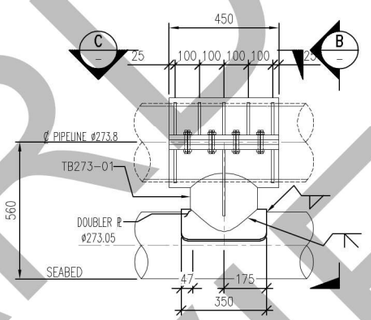
SECTION A

SCALE 1 :25



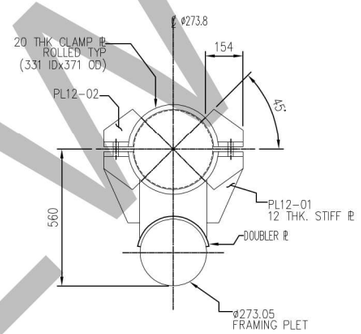
SKIRT PLATE DETAIL

SCALE 1 : 35



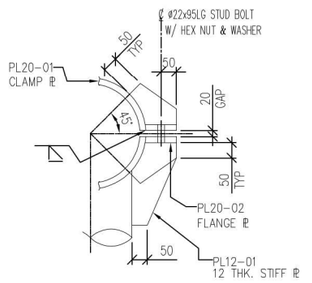
PIPE SUPPORT DETAIL

SCALE 1 : 25



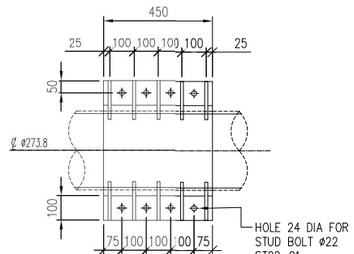
SECTION B

SCALE 1 :25



STIFFENER FOR CLAMP

SCALE 1 : 25



SECTION C

SCALE 1 :25

MATERIAL TAKE OFF

MARK	DESCRIPTION	TYPE STEEL	MATERIAL SPEC.	L/A/V (*)	QTY	TOTAL L/A/V (*)	UNIT	UNIT WEIGHT (KG/M)	TOTAL WEIGHT (KG)
TB508-01	ø508.0 x 15.875 W.T	TYPE 2	API 5L Gr. X52	2.422	6	14.53	M	192.64	2799.44
TB219-01	ø219.08 x 9.53 W.T	TYPE 2	API 5L Gr. X52	1.982	6	11.89	M	49.22	585.32
TB219-02	ø219.08 x 9.53 W.T	TYPE 2	API 5L Gr. X52	2.297	4	9.19	M	49.22	452.23
TB273-01	ø273.05 x 12.7 W.T	TYPE 2	API 5L Gr. X52	0.560	5	2.80	M	81.54	228
TB48-01	ø48 x 3.7 W.T	TYPE 4	API 5L Gr.B	1.598	28	44.74	M	4.04	180.77
PL20-01	20 THK. CLAMP PLATE	TYPE 2	API 2H Gr.50	0.253	10	2.53	M²	157.00	397.21
PL20-02	20 THK. FLANGE PLATE	TYPE 2	API 2H Gr.50	0.045	20	0.90	M²	157.00	141.30
PL12-01	12 THK. STIFF PLATE	TYPE 2	API 2H Gr.50	0.026	10	0.26	M²	94.20	24.49
PL12-02	12 THK. STIFF PLATE	TYPE 2	API 2H Gr.50	0.011	70	0.77	M²	94.20	72.53
PL10-01	10 THK. CAP PLATE	TYPE 2	API 2H Gr.50	0.202	12	2.42	M²	78.49	190.26
PL10-02	10 THK. STIFF PLATE	TYPE 2	API 2H Gr.50	0.003	34	0.10	M²	78.49	8.01
PL10-03	300mm x 10 THK. SKIRT PLATE	TYPE 4	ASTM A-36	12.040	1	12.04	M²	78.49	945.03
PL10-04	150mm x 10 THK. DOUBLER PLATE	TYPE 4	ASTM A-36	0.003	40	0.12	M²	78.49	9.42
ST22-01	STUD BOLT ø22 x 150 LG	-	ASTM A-325	–	40	–	EA	–	–
HEX NUT	W/ HEX NUT & WASHER	-	ASTM A-325	–	80	–	EA	–	–
ANODE	ALUMINIUM INDIUM ZINC ANODE	-	–	–	28				

TOTAL WEIGHT (TON) = 6.034

SPECIFICATION : 1 =
(SPEC.) 2 =
(*) L = LENGTH (M) ; A = AREA (M²) ; V = VOLUME (KG/M)

NOTES :

1. ALL DIMENSION ARE IN MILIMETER AND ELEVATION ARE IN METER U.N.O
2. WATER DEPTH/SEABED ELEVATION ARE IN METER AND ARE REFERENCED TO M.S.L
3. ALL TUBULAR CONNECTION SHALL BE FULL PENETRATION
4. ▪▪▪▪▪ DENOTES 10 THK. MUMDAT PLATE
5. STEEL GRATING SHALL BE HOT DIPPED GALVANIZED SERRATED 32mm x 5mm, RECTANGULAR BAR, WELDED STEEL TYPE WITH BERING SPACED AT TRANSVERSE BAR AT 30mm ON CENTER
6. ALL FREE EDGE STEEL GRATING PANELS TO BE FRAMED AND WELDED.
7. ⟷ DENOTES THE DIRECTION OF GRATING SPAN
8. AREA FOR CP TEST POINT SHALL BE NO PAINTED WITH 100W x 200L

NOTES :

1. ALL UNIT ARE IN MILIMETERS AND ELEVATION ARE IN METER, U.N.O.
2. MATERIAL SPECIFICATION REFERS TO COMPANY SPECIFICATION.

REFERENCE DWG	REV.	DATE	STATUS	DESCRIPTION	BY	CHK	ENG.	LEAD ENG.	MNGR	ENG/LEAD	P.M
–											
–											
–	1	–	AFC	APPROVED FOR CONSTRUCTION	–	–	–	–	–	–	
–	0A	–	IFA	ISSUED FOR APPROVAL	–	–	–	–	–	–	–

CLIENT

– PDO – PROJECT DELIVERY OFFSHORE

LOCATION : WP-PAUS-BIRU WHP

AREA : PB-PAUS BIRU

SYSTEM : 31 – SUBSEA PLEM

A3 | CAD DRAWING DO NOT ALTER MANUALLY | SCALE : NTS

DWG NO. : –

REV. 1

PROJECT TITLE: DESIGN OPTIMIZATION PAUS BIRU FIELD DEVELOPMENT PROJECT

DISCIPLINE / SUB-DISCIPLINE : SS0-STRUCTURAL/STRUCTURAL GENERAL

DOCUMENT TYPE : SAD-STRUCTURAL ARRANGEMENT & FRAMING DRAWINGS

TITLE : PLET ELEVATION, SECTION AND DETAILS 1 OF 1

PREVIOUS NO.: –

PROJECT NO.

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VIEW ONLY