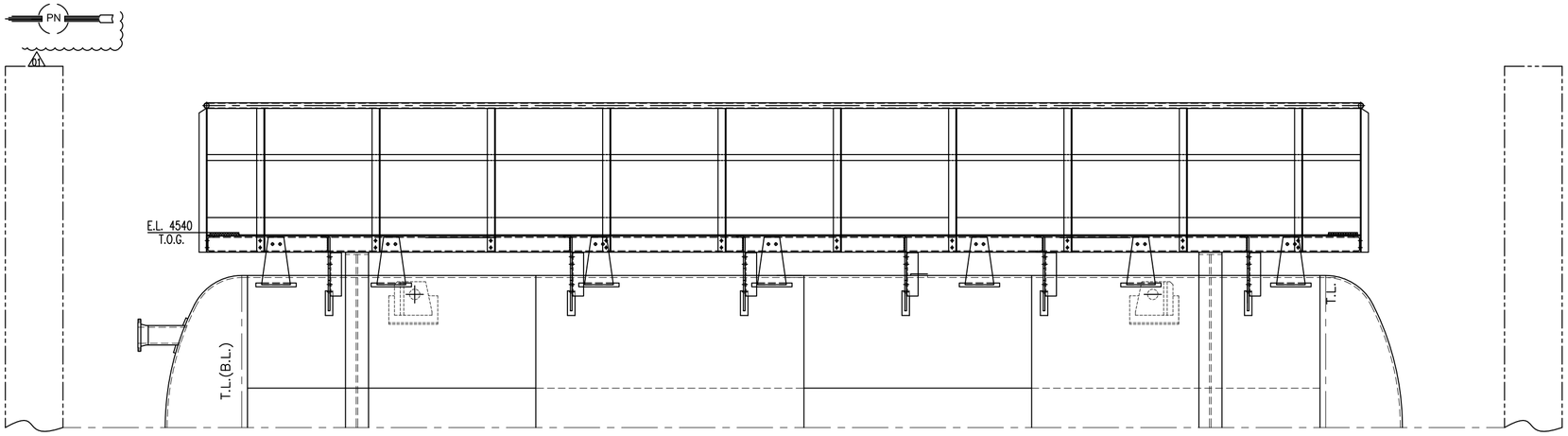
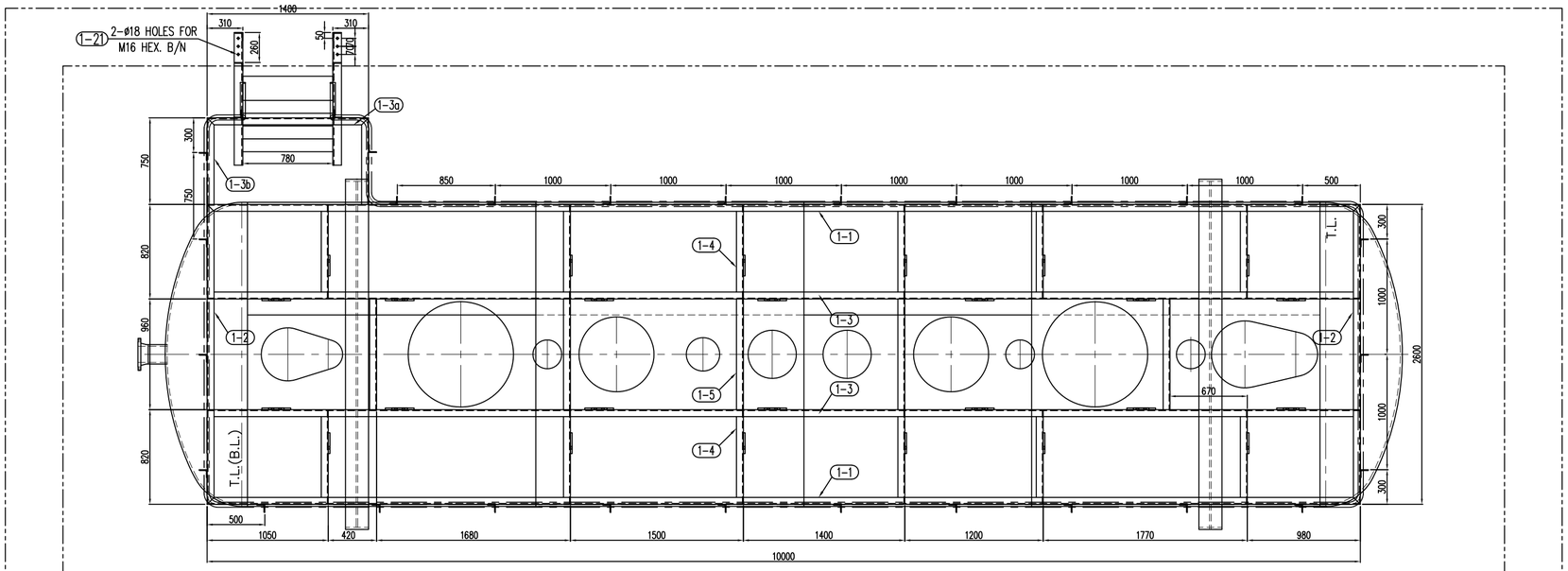
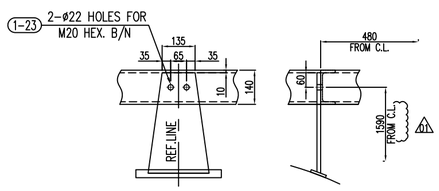
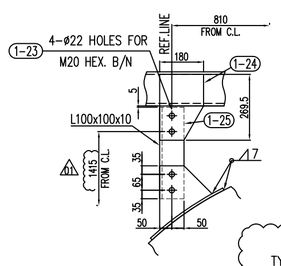






DETAIL "B"



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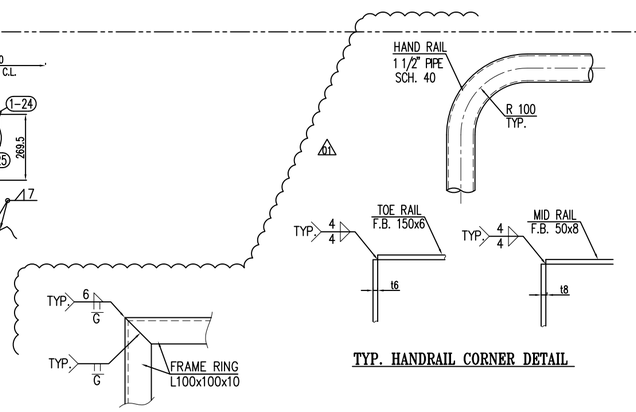

TYP. HANDRAIL CORNER DETAIL

BILL OF MATERIALS

NO.	PARTICULARS	RQD MAIN	RQD SPA.	WEIGHT (Kg) UNIT	WEIGHT (Kg) TOTAL	MATERIAL	REMARK
1-1	UPN 140 X L=10000	2		172	344	ST 37	
1-2	UPN 140 X L=2600	2		45	90	ST 37	
1-3	UPN 140 X L=9986	2		171	342	ST 37	
1-3a	UPN 140 X L=1400	1		24	24	ST 37	
1-3b	UPN 140 X L=750	2		13	26	ST 37	
1-4	UPN 140 X L=806	12		14	168	ST 37	
1-5	UPN 140 X L=960	5		16.5	82.5	ST 37	
1-6	F.B. 150 X 6 X L=25870	1		183	189	ST 37	
1-7	F.B. 50 X 8 X L=25870	1		81	81	ST 37	
1-8	PIPE 1,1/2" ,SCH.40 X L=25870	1		105.5	105.5	SA 53	
1-8a	CAP 1,1/2" ,SCH.40	4		0.05	0.2	SA 420-WPL6	
1-9	L 70 X 70 X 7 X L= 1045	4		7.5	30	ST 37	
1-10	L 70 X 70 X 7 X L=1246	29		9	261	ST 37	
1-21	HEX. BOLT & NUT/W M16, L=40	64		--	--	A193-Gr.B7M/194-Gr.2HM	
1-23	HEX B/N M20 x 55L	76		0.25	19	A193-Gr.B7M/194-Gr.2HM	
1-24	PL. 15 X 180 X 269.5	12		5.7	68.4	ST 37	
1-25	L. 10 X 100 X 100 L=375	12		6.5	78	SA 36	

WEIGHT PER 1 SET : 1908.6 Kg
NUMBER OF SETS : 1
TOTAL WEIGHT : 1908.6 Kg

AS BUILT

Rev.	Date	Status	Prep.	Chk.	App.	R.S.
01	05.Oct.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--
00	19.May.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--

MANGEMENT CONTRACTOR: Petropars Ltd.

CONTRACTOR: PZHARAB E.N.CO

CLIENT: PEDEC

PROJECT TITLE:
SOUTH AZADEGAN OIL FIELD DEVELOPMENT PROJECT
PHASE1-MANIFOLD STATIONS & TRUNK LINES (NORTH SIDE)

FACILITIES: SURFACE PRODUCTION FACILITIES

DRAWING TITLE:
LADDER & PLATFORM DRAWING (PLATFORM) FOR (V-30437100) CLOSED DRAIN DRUM

SCALE	SIZE	CLASS
1/35	A2	A

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DOCUMENT NUMBER : SA01-PV-FSFXX-ME-DWVD-2207-01 VD-V090-0122-007

PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	SHEET
SA01-PV	FSFXX	ME	DWVD	2207	01	1/4

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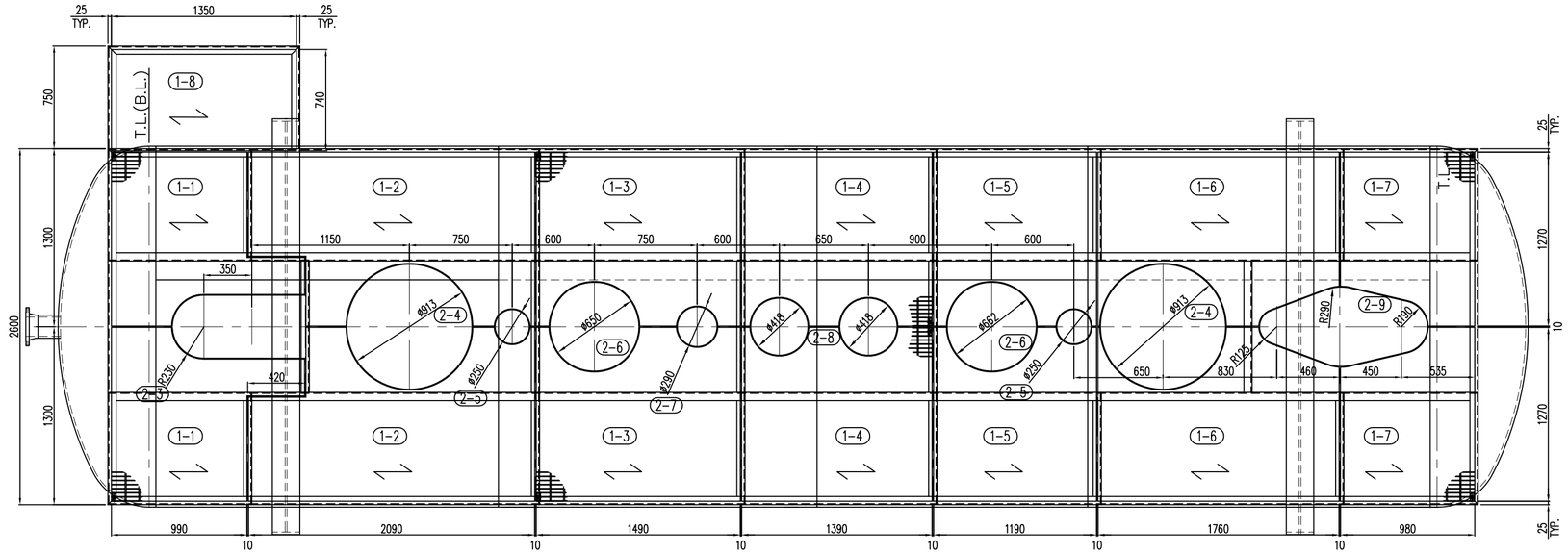
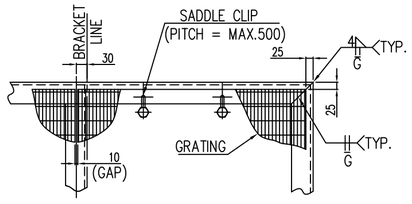


TOP VIEW
T.O.P. EL.+0.00

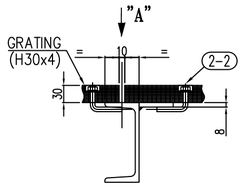
BILL OF MATERIALS

NO.	PARTICULARS	RQD MAIN	RQD SPA.	WEIGHT (Kg) UNIT	WEIGHT (Kg) TOTAL	MATERIAL	REMARK
1-1	GRATING 1270 X 990	2		44	88	ST 37	
1-2	GRATING 1270 X 2090	2		93	186	ST 37	
1-3	GRATING 1270 X 1490	2		66	132	ST 37	
1-4	GRATING 1270 X 1390	2		62	124	ST 37	
1-5	GRATING 1270 X 1190	2		53	106	ST 37	
1-6	GRATING 1270 X 1760	2		73.5	147	ST 37	
1-7	GRATING 1270 X 980	2		43.5	87	ST 37	
1-8	GRATING 740 X 1350	1		35	35	ST 37	
2-1	PL 8 X 60 X 100	28		0.3	7.2	ST 37	SUPPORT PLATE
2-2	HEX. B/N/W M8 . L=90	72		0.03	2.1	Gr.8.8	SADDLE CLIP
2-3	SLEEVE PL 6 X 120 X 1096	2		6	12	ST 37	
2-4	SLEEVE PL 6 X 120 X 1434	4		8	32	ST 37	
2-5	SLEEVE PL 6 X 120 X 392	4		2.2	8.8	ST 37	
2-6	SLEEVE PL 6 X 120 X 1020	4		6	24	ST 37	
2-7	SLEEVE PL 6 X 120 X 455	2		2.5	5	ST 37	
2-8	SLEEVE PL 6 X 120 X 656	4		3.7	14.8	ST 37	
2-9	SLEEVE PL 6 X 120 X 1445	2		8	16	ST 37	

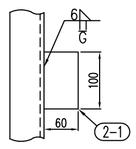
WEIGHT PER 1 SET : 1026.9 Kg
NUMBER OF SETS : 1
TOTAL WEIGHT : 1026.9 Kg



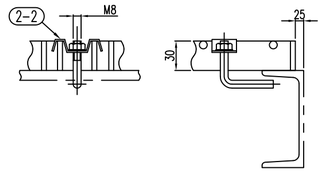
GRATING SETTING



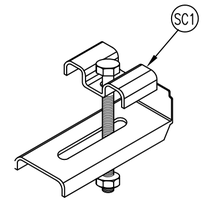
SADDLE CLIP



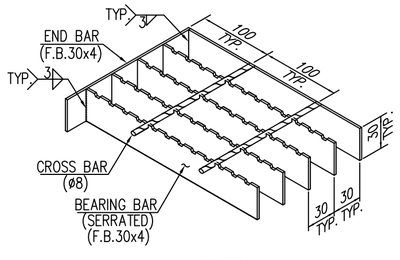
VIEW "A"



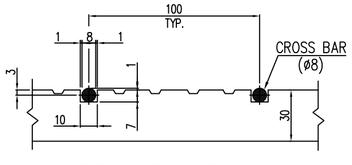
SADDLE CLIP DETAIL
(MIN. 4 FASTENERS REQUIRED PER ONE (1) PANEL)



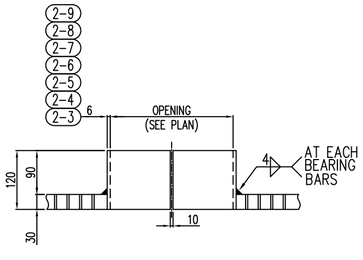
NORMAL CLIP



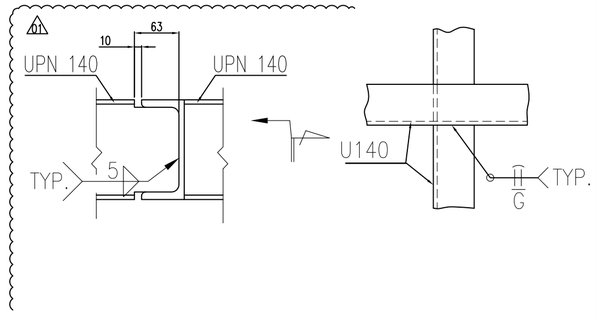
GRATING



TYP.GRATING DETAIL



GRATING OPENING DETAIL



FRAME CONNECTION DETAIL

AS BUILT

Rev.	Date	Status	Prep.	Chk.	App.	R.S.
01	05.Oct.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--
00	19.May.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--

MANGEMENT CONTRACTOR: Petropars Ltd.
CONTRACTOR: PZHAREH ENG.CO
CLIENT: PEDEC

PROJECT TITLE:
SOUTH AZADEGAN OIL FIELD DEVELOPMENT PROJECT
PHASE1-MANIFOLD STATIONS & TRUNK LINES (NORTH SIDE)

FACILITIES: SURFACE PRODUCTION FACILITIES

DRAWING TITLE: LADDER & PLATFORM DRAWING (GRATING) FOR (V-30437100) CLOSED DRAIN DRUM

SCALE	SIZE	CLASS
1/30	A2	A

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DOCUMENT NUMBER : SA01-PV-FSFXX-ME-DWVD-2207-01 | VD-V090-0122-007

PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	SHEET
SA01-PV	FSFXX	ME	DWVD	2207	01	4/4

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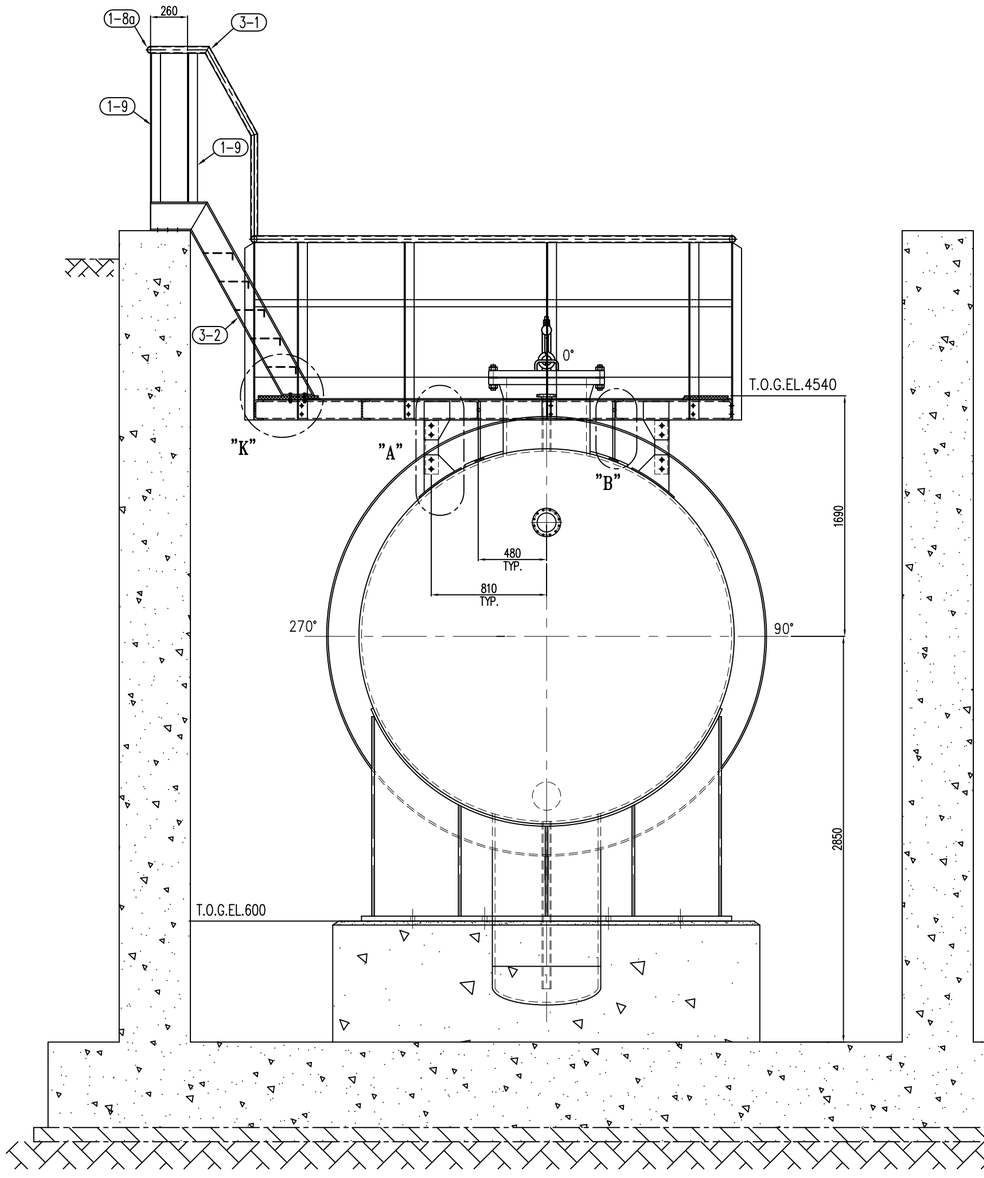
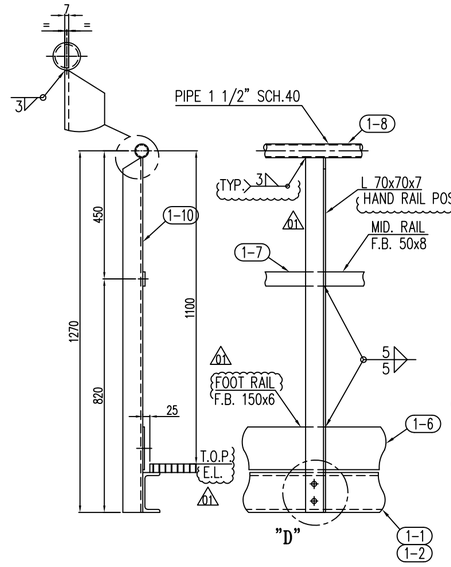
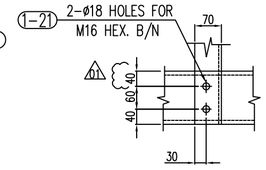
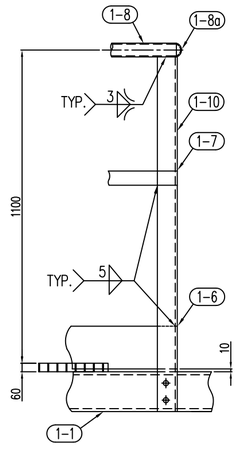




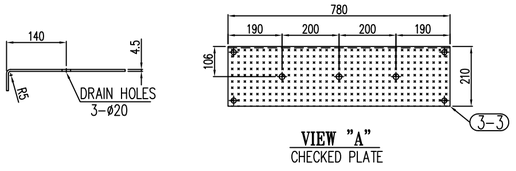
DETAIL OF HANDRAIL



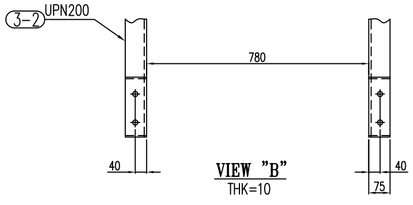
DETAIL "D"



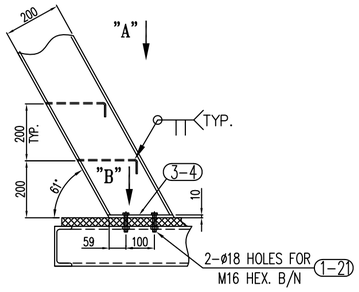
DETAIL OF LADDER



VIEW "A"
CHECKED PLATE



VIEW "B"
THK=10



DETAIL "K"

BILL OF MATERIALS

NO.	PARTICULARS	RQD MAIN	RQD SPA.	WEIGHT (Kg) UNIT	WEIGHT (Kg) TOTAL	MATERIAL	REMARK
3-1	PIPE 1,1/2" ,SCH.40 X L=915	2		4	8	SA 53	
3-2	UPN 200- L=1955	2		49.5	99	ST 37	
3-3	PL. 4.5x320x780	5		10	50	ST 37	CHECKED PLATE
3-4	PL. 10x75x200	2		1.2	2.4	ST 37	
3-5							
3-6							
3-7							
3-8							
3-9							

WEIGHT PER 1 SET : 159.4 Kg
NUMBER OF SETS : 1
TOTAL WEIGHT : 159.4 Kg

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. ALL SHARP CORNERS & BURRS SHALL BE REMOVED BEFORE FINAL SURFACE COATING.
3. ALL SURFACES SHALL BE COATED AS PRE PROJECT SPECIFICATION.
4. BOLTS/NUTS/WASHER IN STRACTHERAL PART SHALL BE CONSIDERED AS FOLLOWS.
   BOLTS A325 ,NUTS A563 , WASHER F436

AS BUILT

Rev.	Date	Status	Prep.	Chk.	App.	R.S.
01	05.Oct.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--
00	19.May.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--

MANGEMENT CONTRACTOR: Petropars Ltd.

CONTRACTOR: AZARAB J.V.CO

CLIENT: PEDEC

PROJECT TITLE:
SOUTH AZADEGAN OIL FIELD DEVELOPMENT PROJECT
PHASE1-MANIFOLD STATIONS & TRUNK LINES (NORTH SIDE)

FACILITIES: SURFACE PRODUCTION FACILITIES

DRAWING TITLE:
LADDER & PLATFORM DRAWING
FOR (V-30437100) CLOSED DRAIN DRUM

SCALE	SIZE	CLASS
1/30	A2	A

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DOCUMENT NUMBER : SA01-PV-FSFXX-ME-DWVD-2207-01 VD-V090-0122-007

PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	SHEET
SA01-PV	FSFXX	ME	DWVD	2207	01	3/4

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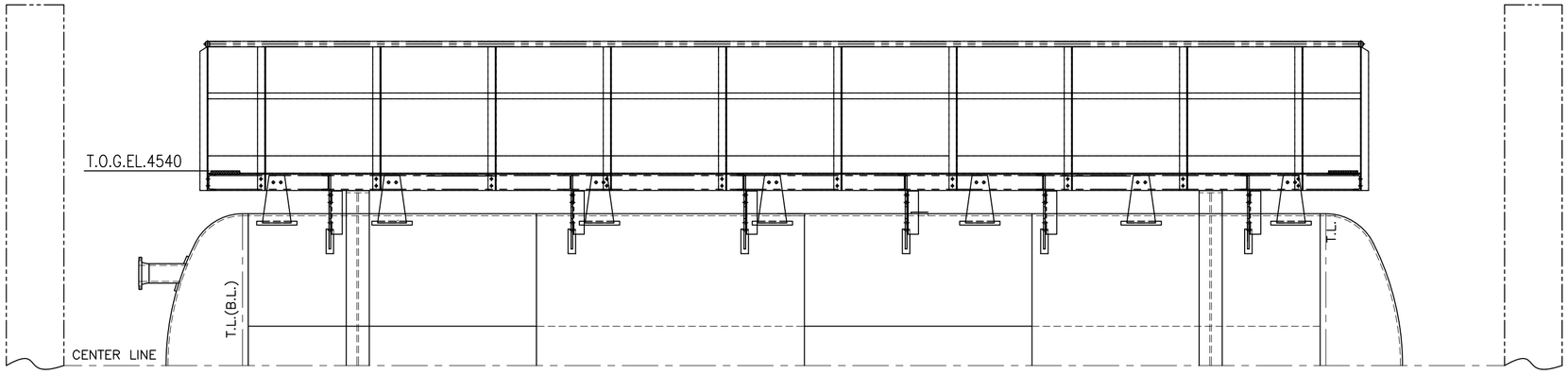
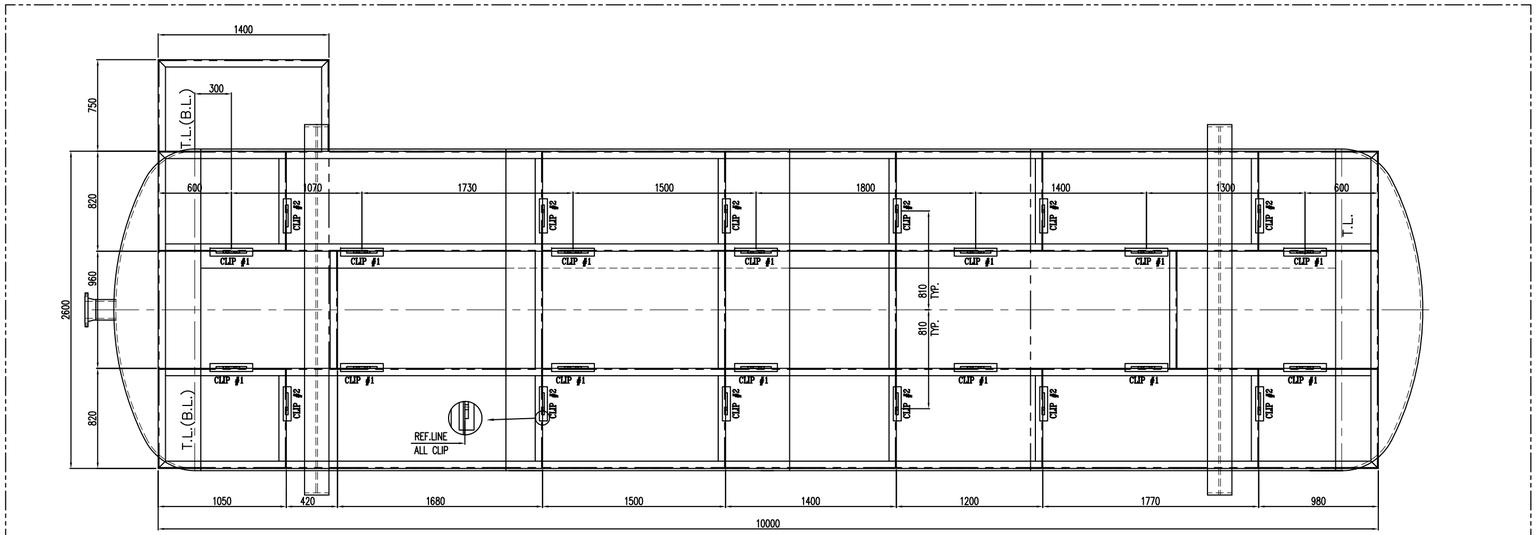
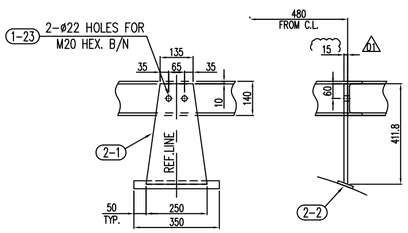
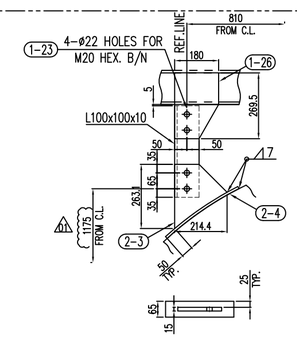






DETAIL "B"
CLIP #1



DETAIL "A"
CLIP #2

BILL OF MATERIALS

NO.	PARTICULARS	RQD MAIN	RQD SPA.	WEIGHT (Kg) UNIT	WEIGHT (Kg) TOTAL	MATERIAL	REMARK
2-1	PL. 15 X 250 X 411.8	14		12	168	ST 37	
2-2	PL. 10 X 65 X 350	14		1.8	25.2	SA516-70	
2-3	PL. 15 X 214.4 X 263	12		6.5	78	ST 37	
2-4	PL. 10 X 65 X 361	12		1.8	21.6	SA516-70	

WEIGHT PER 1 SET : 292.8 Kg
NUMBER OF SETS : 1
TOTAL WEIGHT : 292.8 Kg

AS BUILT

Rev.	Date	Status	Prep.	Chk.	App.	R.S.
01	05.Oct.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--
00	19.May.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--

MANGEMENT CONTRACTOR: Petropars Ltd.

CONTRACTOR: PJAMAB.EN.CO

CLIENT: PEDEC

PROJECT TITLE:
SOUTH AZADEGAN OIL FIELD DEVELOPMENT PROJECT
PHASE1-MANIFOLD STATIONS & TRUNK LINES (NORTH SIDE)

FACILITIES: SURFACE PRODUCTION FACILITIES

DRAWING TITLE: LADDER & PLATFORM (CLIPS) DRAWING FOR (V-30437100) CLOSED DRAIN DRUM

SCALE	SIZE	CLASS
1/35	A2	A

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DOCUMENT NUMBER : SA01-PV-FSFXX-ME-DWVD-2207-01 VD-V090-0122-007

PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	SHEET
SA01-PV	FSFXX	ME	DWVD	2207	01	2/4

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