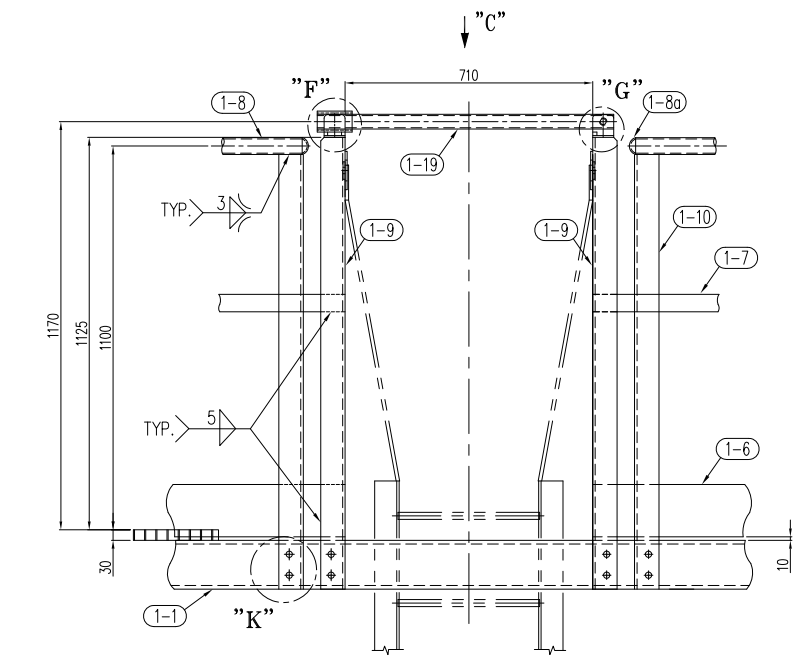
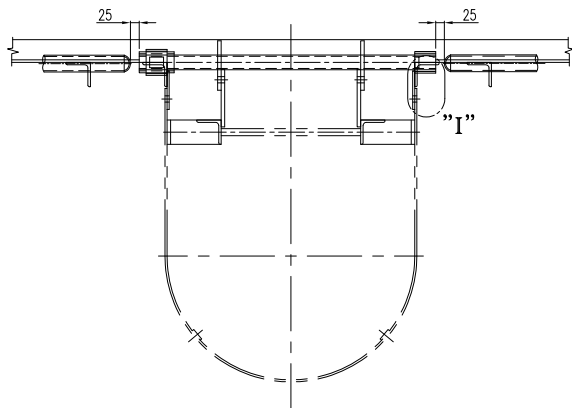


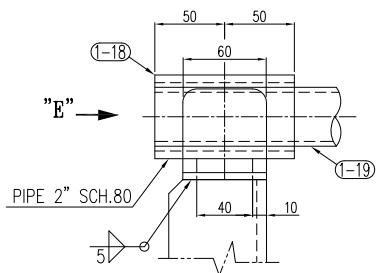
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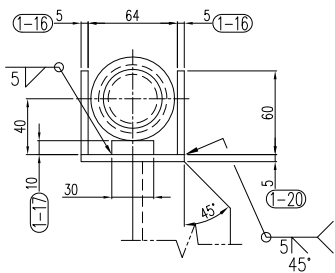
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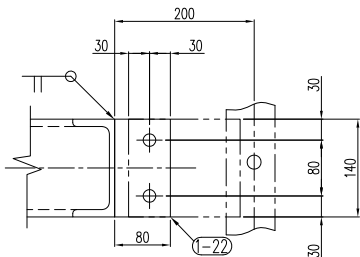
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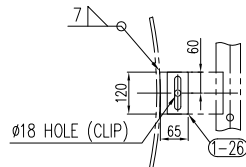
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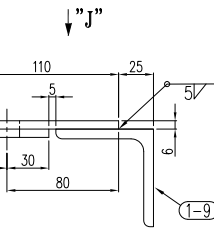
VIEW "E"



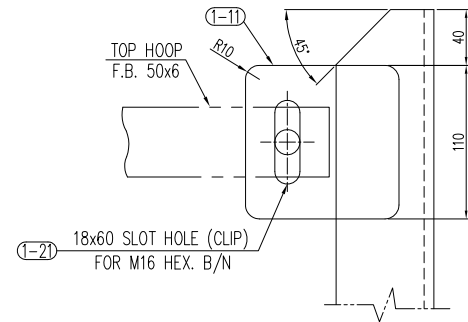
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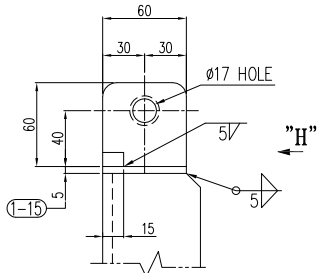
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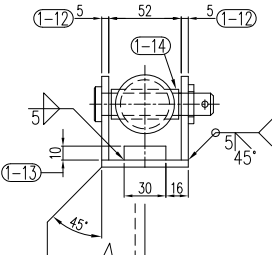
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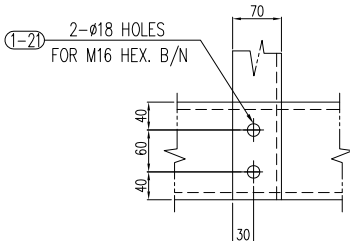
VIEW "J"



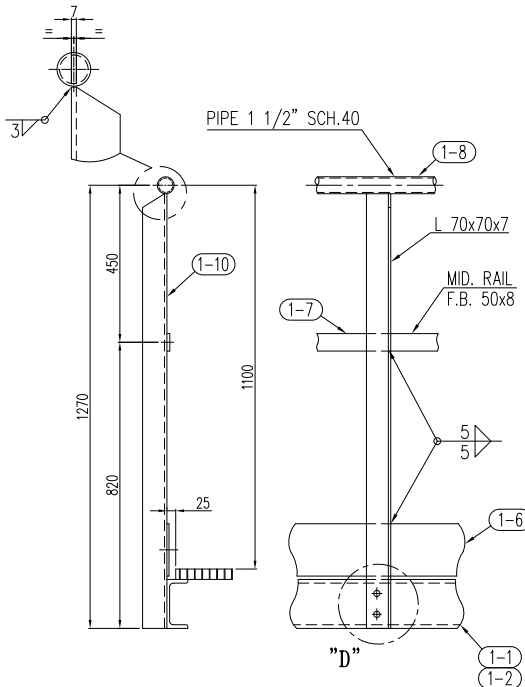
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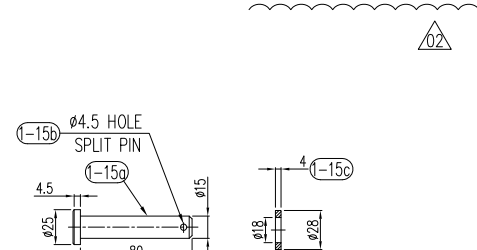
VIEW "H"



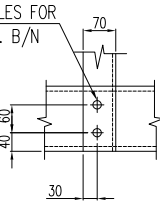
DETAIL "K"



DETAIL OF HANDRAIL



DETAIL OF CLEVIS PIN/W



DETAIL "D"

BILL OF MATERIALS								
NO.	PARTICULARS	RQD		WEIGHT (Kg)		MATERIAL	REMARK	
		MAIN	SPA	UNIT	TOTAL			
AS BUILT								
02	08.Dec.2019	Issued for Approval			s.shahbazi	M.pilevar	M.jafari	--
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	--
Rev.	Date	Status			Prep.	Chk.	App.	R.S.
MANAGMENT CONTRACTOR:		CLIENT:						
								
CONTRACTOR:								
								
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-30637100) CLOSED DRAIN DRUM								
SCALE		SIZE			CLASS			
1/30		A2			A			
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED								
DOCUMENT NUMBER : SA01-PV-FSFX-ME-DWVD-2607-02					VD-V090-0126-007		SHEET	
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION			
SA01-PV	FSFX	ME	DWVD	2607	02			
							2/6	

A2
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C

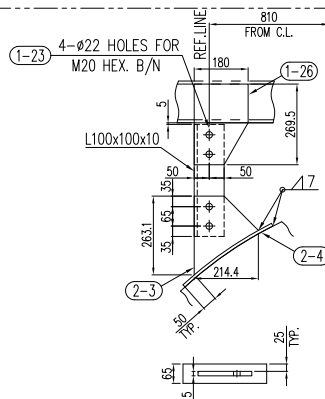
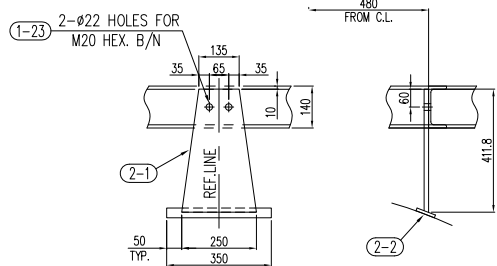
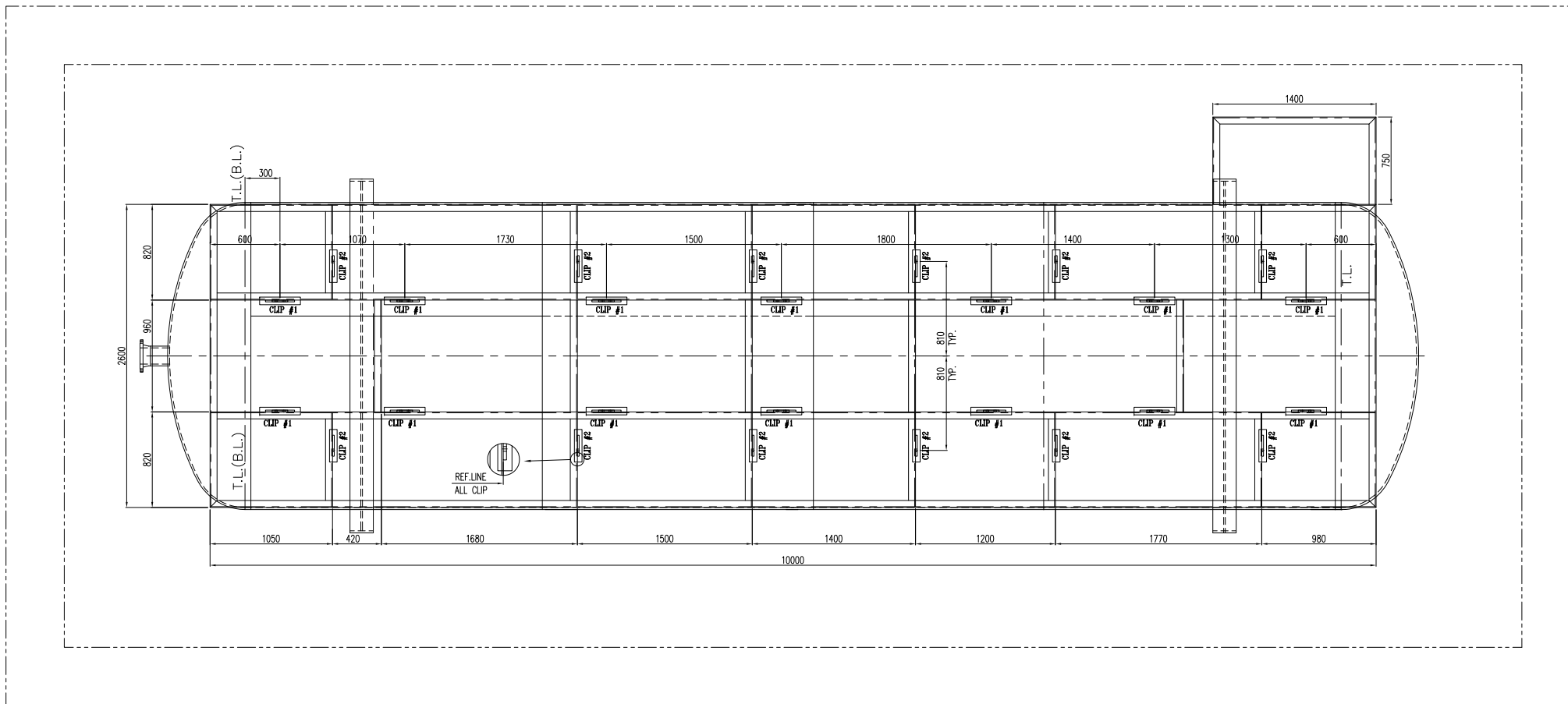
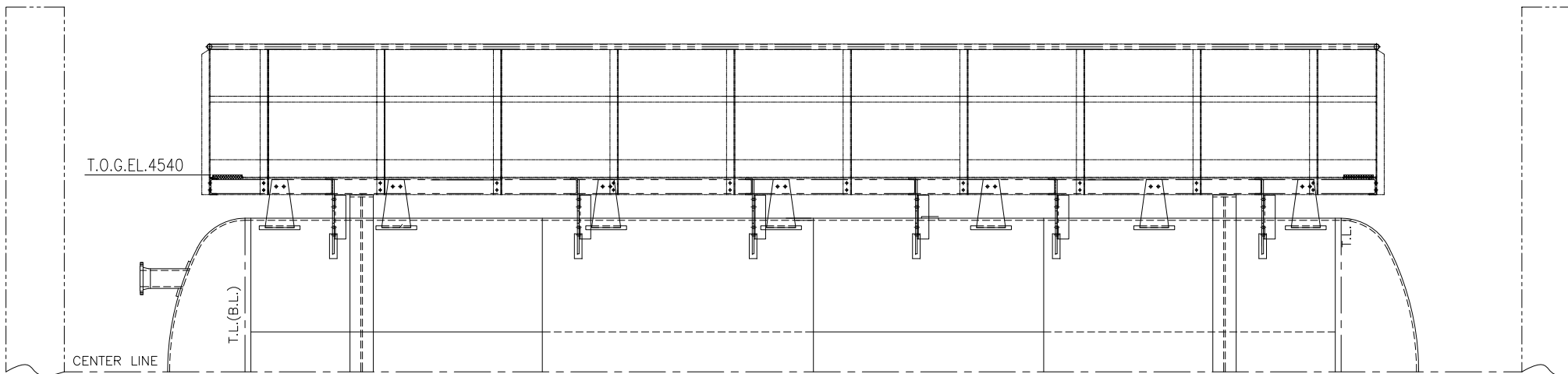
D

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BILL OF MATERIALS

NO.	PARTICULARS	RQD		WEIGHT (Kg)		MATERIAL	REMARK
		MAIN	SPA.	UNIT	TOTAL		
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

02	08.Dec.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--
01	13.Oct.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--
00	19.May.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--

MANAGEMENT CONTRACTOR:	CLIENT:
 Petrobras Ltd.	 PEDEC
CONTRACTOR:	
 KAZANI LTD	

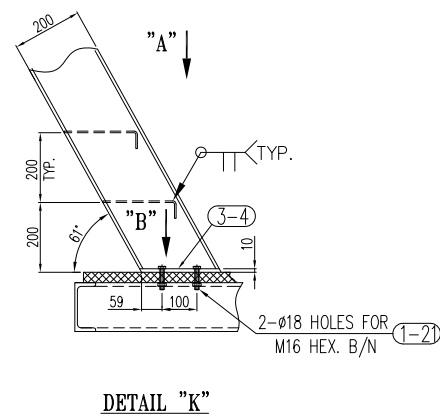
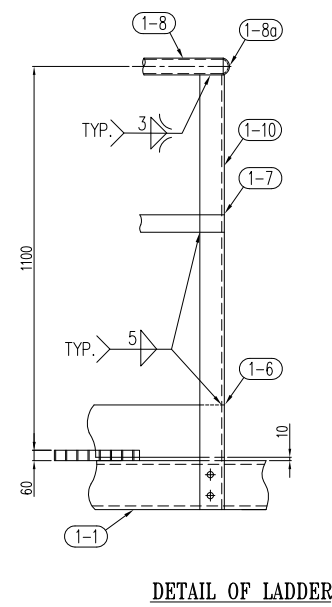
PROJECT TITLE:
SOUTH AZADegan OIL FIELD DEVELOPMENT PROJECT
PHASE1-MANIFOLD STATIONS & TRUNK LINES (NORTH SIDE)

FACILITIES:
SURFACE PRODUCTION FACILITIES

DRAWING TITLE:
LADDER & PLATFORM (CLIPS) DRAWING
FOR (V-30637100) CLOSED DRAIN DRUM

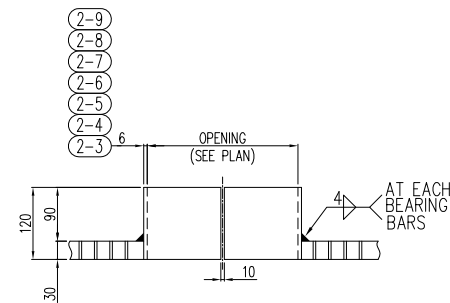
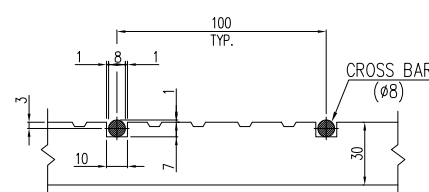
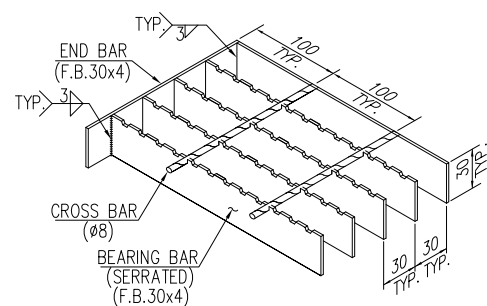
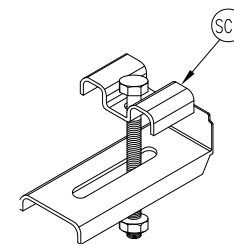
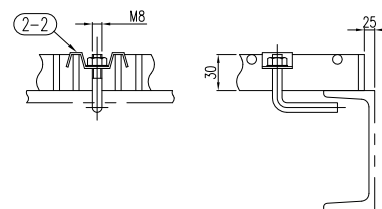
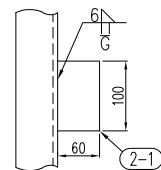
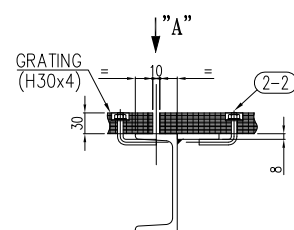
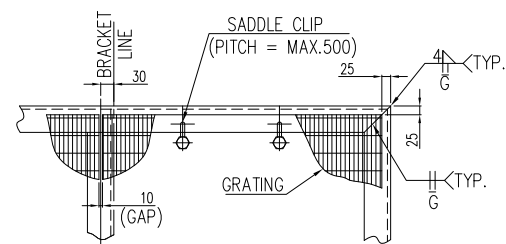
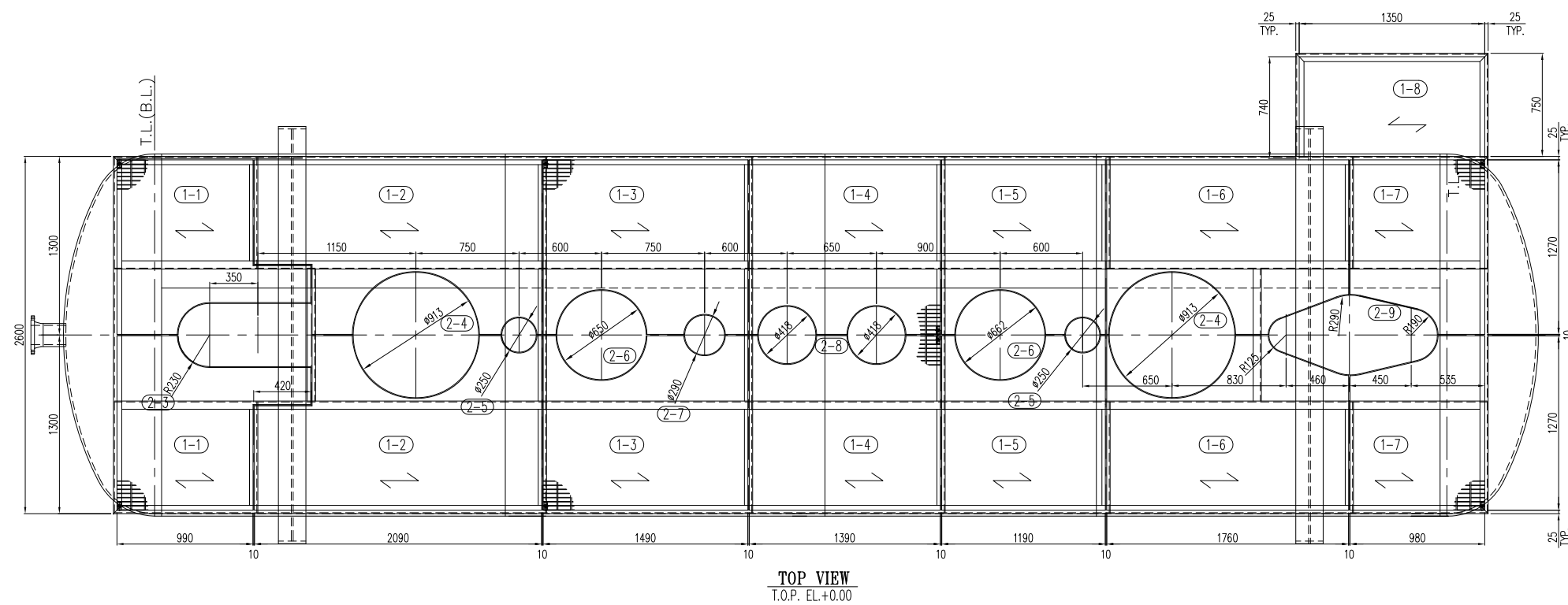
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1/35		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-FSFX-ME-DWVD-2607-02				VD-V090-0126-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01 –PV	FSFX	ME	DWVD	2607	02	3/6

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AS BUILT

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BILL OF MATERIALS							
NO.	PARTICULARS	RQD		WEIGHT (Kg)		MATERIAL	REMARK
		MAIN	SPL	UNIT	TOTAL		
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	98		0.03	3	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

AS BUILT

02	08.Dec.2019	Issued for Approval	s.shahbazi	M.pilevar	M.jafari	--
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	--
Rev.	Date	Status	Prep.	Chk.	App.	R.S.

MANAGEMENT CONTRACTOR:	 Petrobras Ltd.	CLIENT:	 PEDEC
CONTRACTOR:	 E.ON Energy		

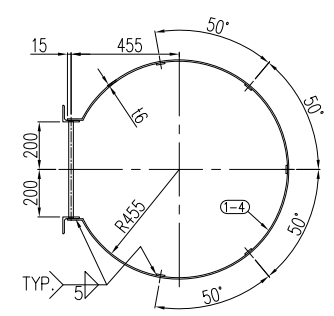
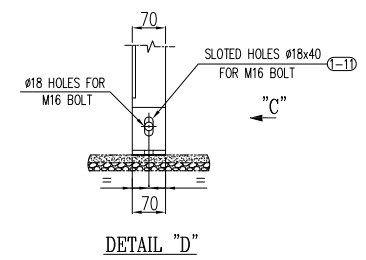
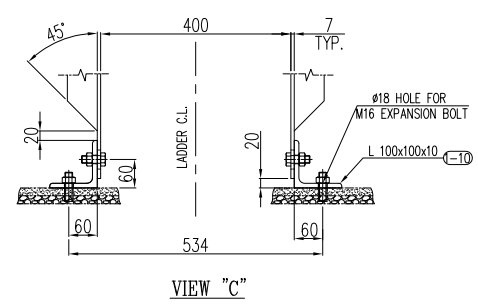
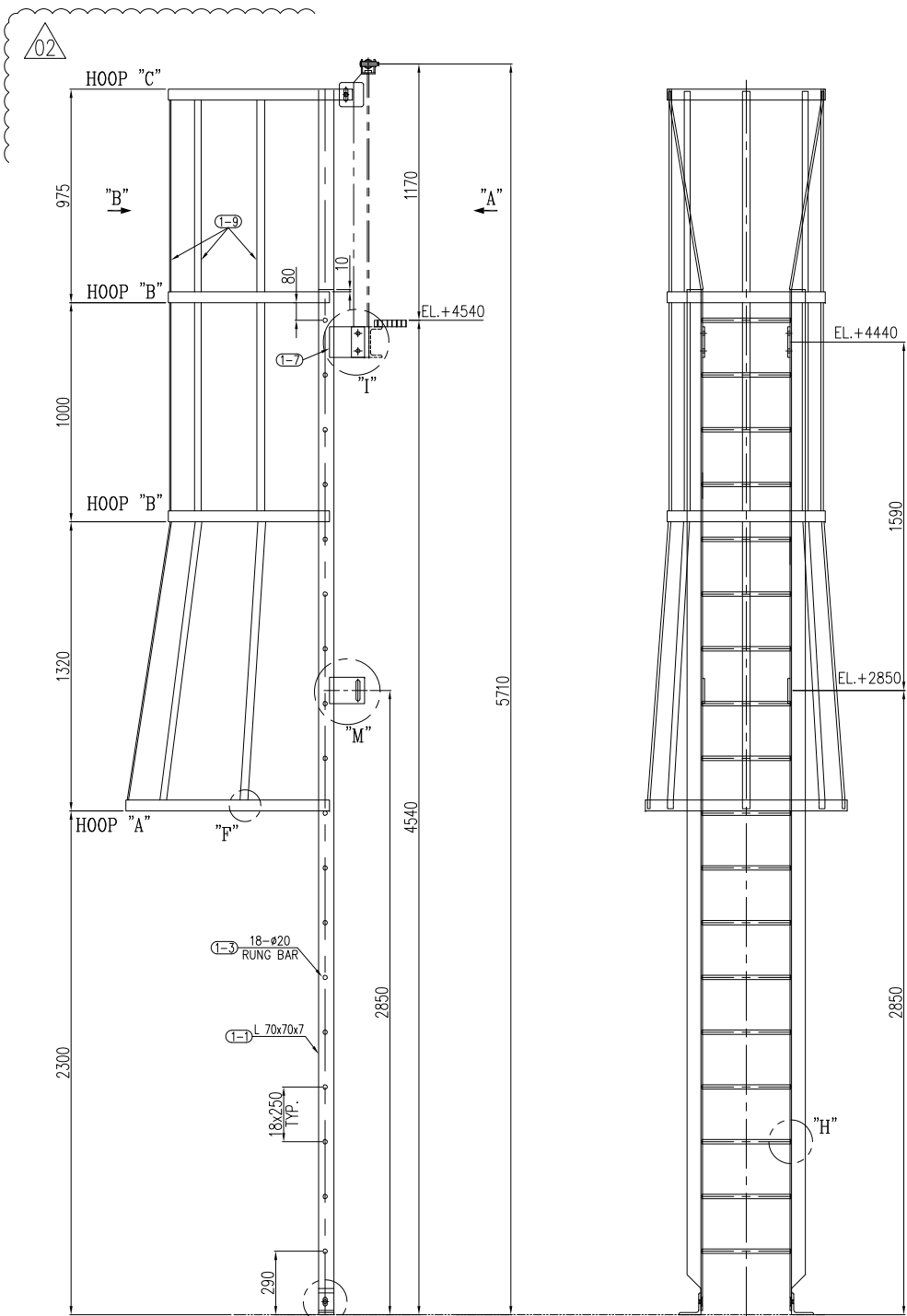
PROJECT TITLE:
SOUTH AZADegan OIL FIELD DEVELOPMENT PROJECT
PHASE1-MANIFOLD STATIONS & TRUNK LINES (NORTH SIDE)

FACILITIES:	SURFACE PRODUCTION FACILITIES
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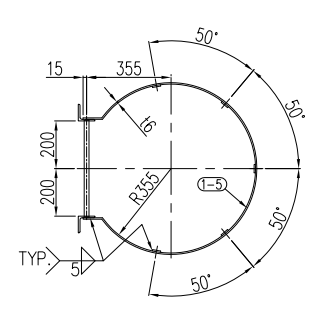
DRAWING TITLE: LADDER & PLATFORM DRAWING (GRATING)
FOR (V-30637100) CLOSED DRAIN DRUM

SCALE		SIZE		CLASS		
1/30		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-FSFX-ME-DWVD-2607-02				VD-V090-0126-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01-PV	FSFX	ME	DWVD	2607	02	

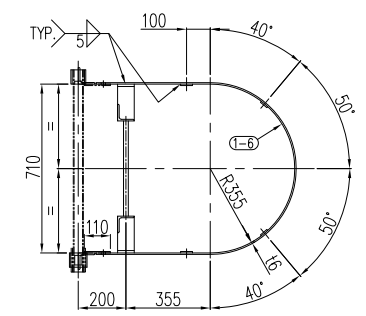
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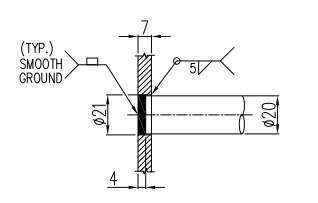
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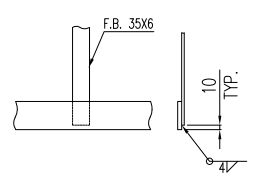
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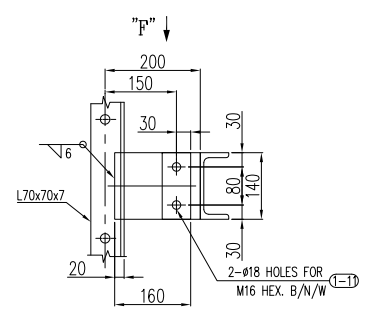
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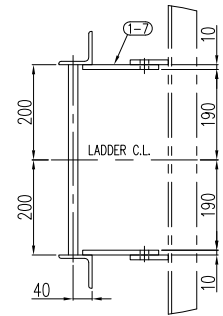
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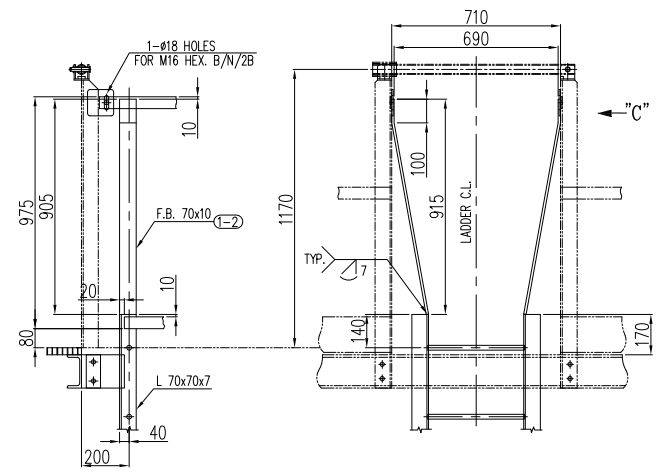
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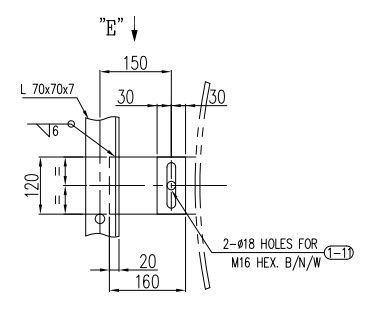
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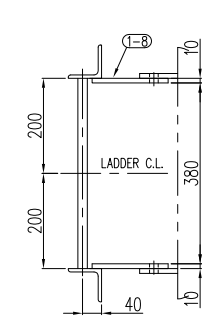
VIEW "F"



VIEW "C"



DETAIL "M"



VIEW "E"

AS BUILT

BILL OF MATERIALS

NO.	PARTICULARS	RQD		WEIGHT (Kg)		MATERIAL	REMARK
		MAINSPL.	UNIT	TOTAL			
1-1	L 70 X 70 X 7 X L= 4660	2	48	96	ST 37		
1-2	F.B. 70 X 10 X L= 917	2	5	10	ST 37		
1-3	R.B. Ø20 X L=406	18	0.8	14.5	ST 37		
1-4	F.B. 50 X 6 X L=2502	1	39.5	39.5	ST 37		
1-5	F.B. 50 X 6 X L=1957.5	2	4.5	9	ST 37		
1-6	F.B. 50 X 6 X L=2225	1	5	5	ST 37		
1-7	PL. 10 X 160 X 140	2	1.8	2.16	ST 37		
1-8	PL. 10 X 160 X 120	2	1.5	3	ST 37		
1-9	F.B. 35 X 6 X L=3290	5	5.5	27.5	ST 37		
1-10	L 100 X 100 X 10 X L= 70	2	1	2	SA 36		
1-11	HEX. BOLT & NUT/W M16, L=60	8SET.	-	-	SA193-Gr.B7M/SA194-Gr.2HM		
					WEIGHT PER 1 SET : 208.6 Kg		
					NUMBER OF SETS : 1		
					TOTAL WEIGHT : 208.6 Kg		

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

MANAGMENT CONTRACTOR: 

CLIENT: 

CONTRACTOR: 

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

FACILITIES: SURFACE PRODUCTION FACILITIES

DRAWING TITLE: LADDER & PLATFORM DRAWING (LADDER)
FOR (V-30637100) CLOSED DRAIN DRUM

SCALE		SIZE		CLASS		
1/22		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-FSFX-ME-DWVD-2607-02				VD-V090-0126-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01-PV	FSFX	ME	DWVD	2607	02	6/6