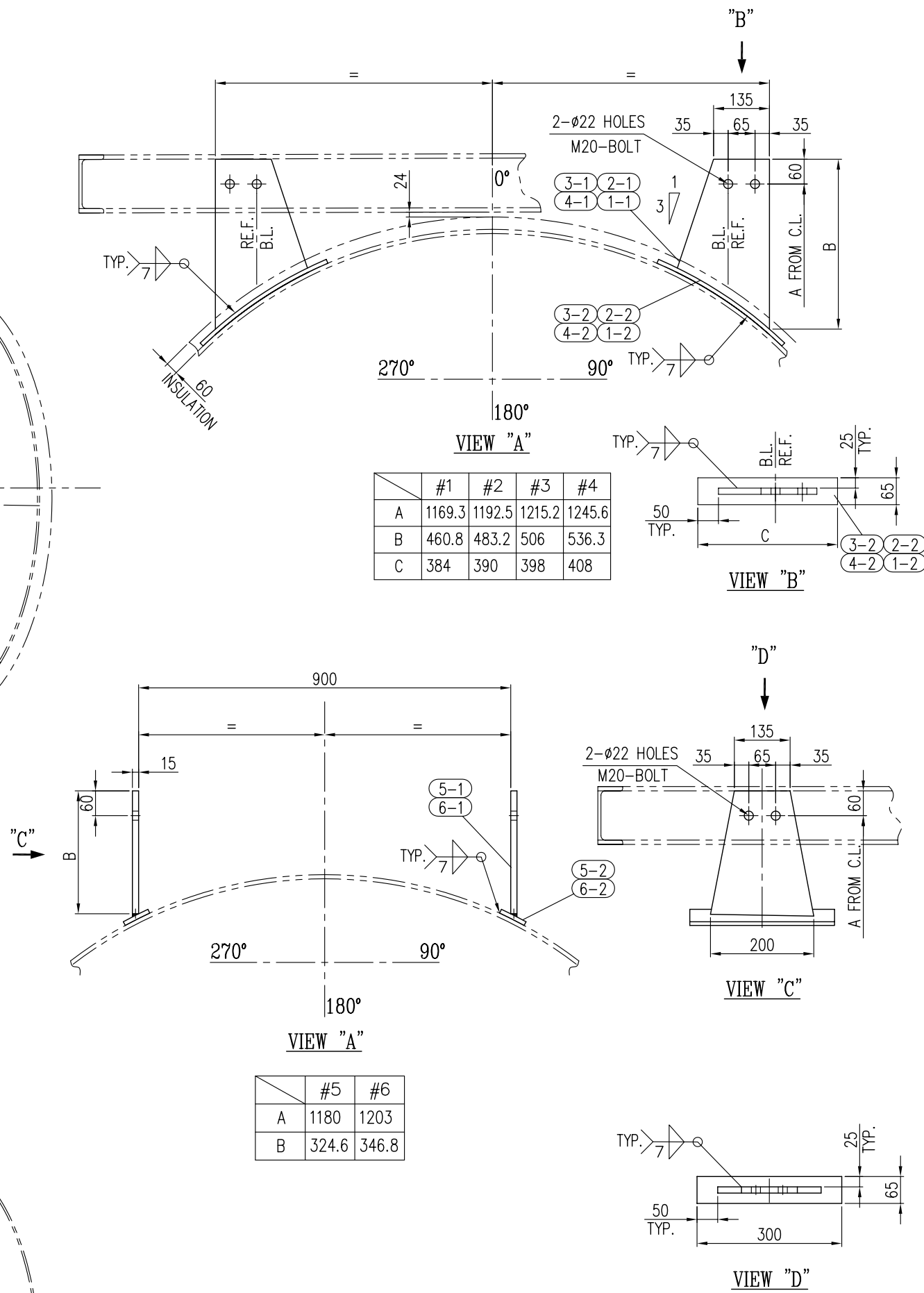
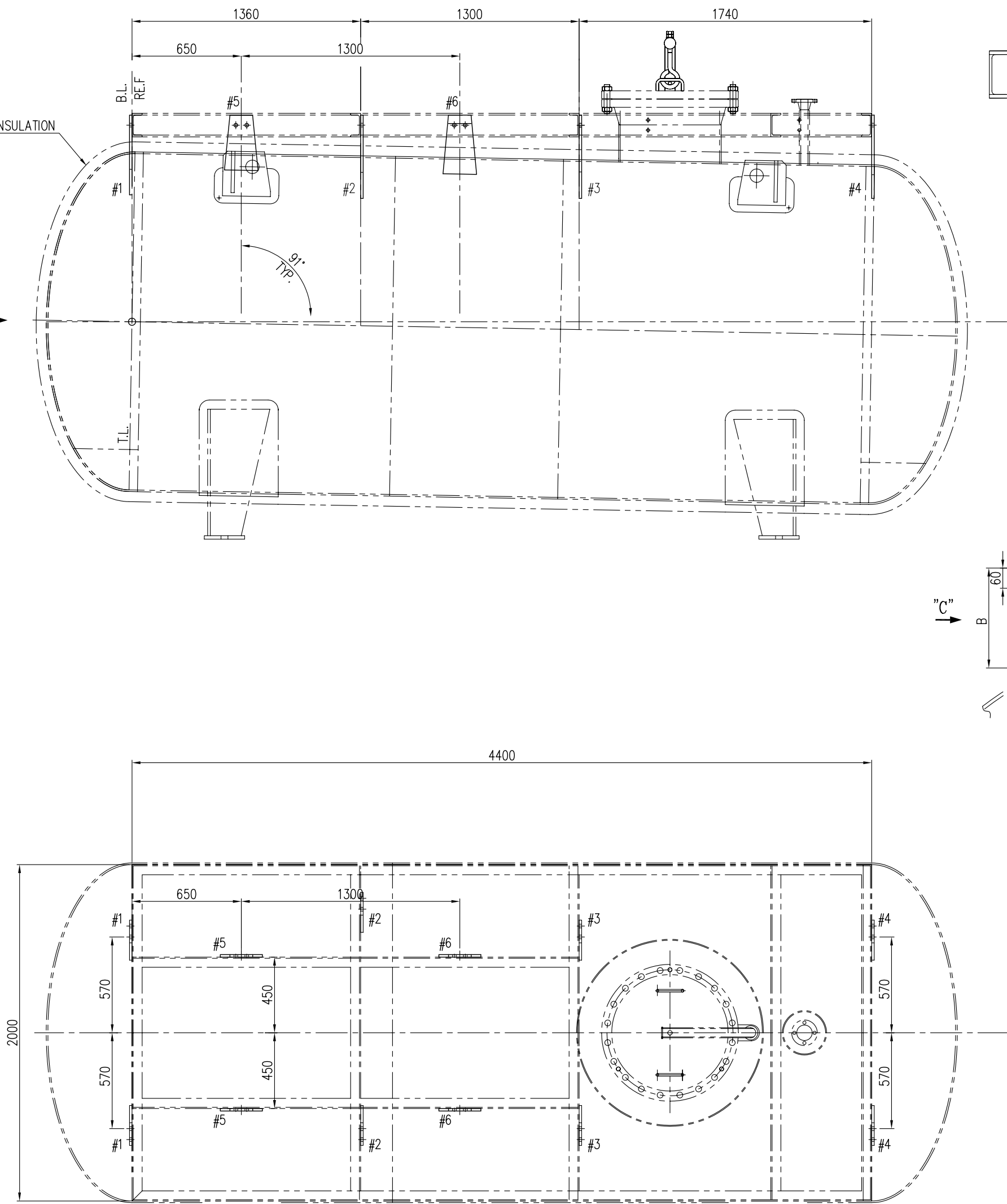


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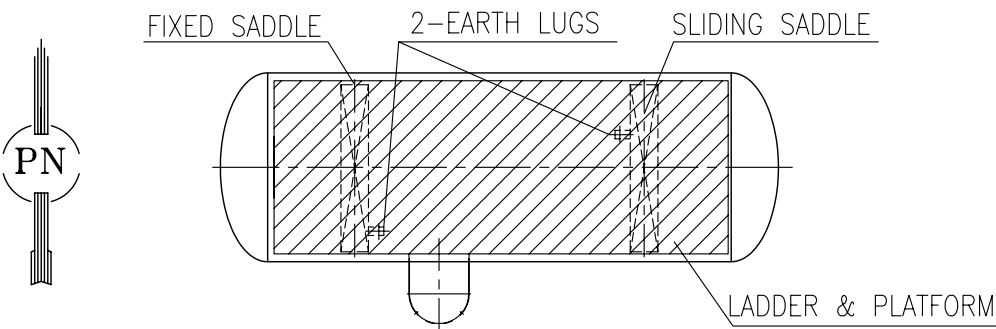


AS BUILT

BILL OF MATERIALS

NO.	PARTICULARS	RQD		WEIGHT (Kg)		MATERIAL	REMARK
		MAIN	SPL	UNIT	TOTAL		
1-1	PL 15 X 237 X 461	2		8.6	17.2	SA 36A	#1
1-2	PL 10 X 65 X 384	2		2	4	SA 283-GR.C	#1
2-1	PL 15 X 243.6 X 483.3	2		9.3	18.6	SA 36A	#2
2-2	PL 10 X 65 X 390	2		2	4	SA 283-GR.C	#2
3-1	PL 15 X 250 X 506	2		10	20	SA 36A	#3
3-2	PL 10 X 65 X 398	2		2	4	SA 283-GR.C	#3
4-1	PL 15 X 250 X 536.3	2		11	22	SA 36A	#4
4-2	PL 10 X 65 X 408	2		2.1	4.2	SA 283-GR.C	#4
5-1	PL 15 X 200 X 324.6	2		6.5	13	SA 36A	#5
5-2	PL 10 X 65 X 300	2		1.6	3.2	SA 283-GR.C	#5
6-1	PL 15 X 200 X 346.8	2		7	14	SA 36A	#6
6-2	PL 10 X 65 X 300	2		1.6	3.2	SA 283-GR.C	#6
B1	HEX B/N M20 x L=50	24		0.15	3.6	A193-Gr.B7/194-Gr.2H	
						WEIGHT PER 1 SET : 131 Kg	
						NUMBER OF SETS : 1	
						TOTAL WEIGHT : 131 Kg	

KEY PLAN



NOTES

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.

Rev.	Date	Status	Prep.	Chk.	App.	R.S.
03	16-Dec-2019	ISSUED FOR APPROVAL	F.Alikhani	A.Ghorbani	A.Ghorbani	M.Jafari
02	15-Oct-2019	ISSUED FOR APPROVAL	F.Alikhani	A.Ghorbani	A.Ghorbani	M.Jafari
01	07-Aug-2019	ISSUED FOR APPROVAL	F.Alikhani	A.Ghorbani	A.Ghorbani	M.Jafari
00	14-Jan-2019	ISSUED FOR APPROVAL	F.Alikhani	A.Ghorbani	A.Ghorbani	M.Jafari

MANGEMENT CONTRACTOR:

CLIENT:



CONTRACTOR:



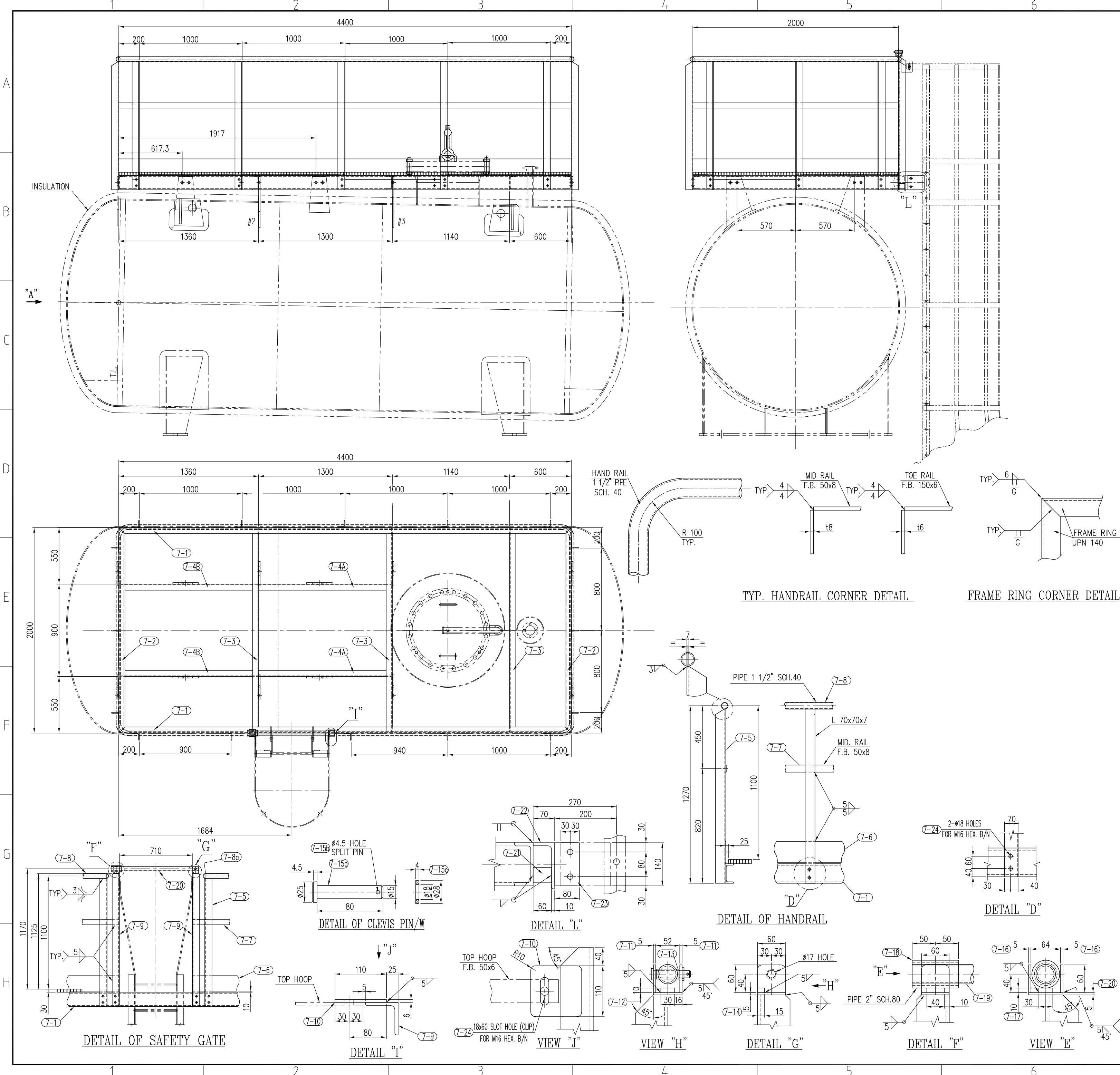
PROJECT TITLE:
SOUTH & NORTH GAS OIL SEPARATION PLANT(N-GOSP & S-GOSP)
AND TRANSFER LINE TO CTEP PROJECT (EPCC)

FACILITIES: SURFACE PRODUCTION FACILITIES

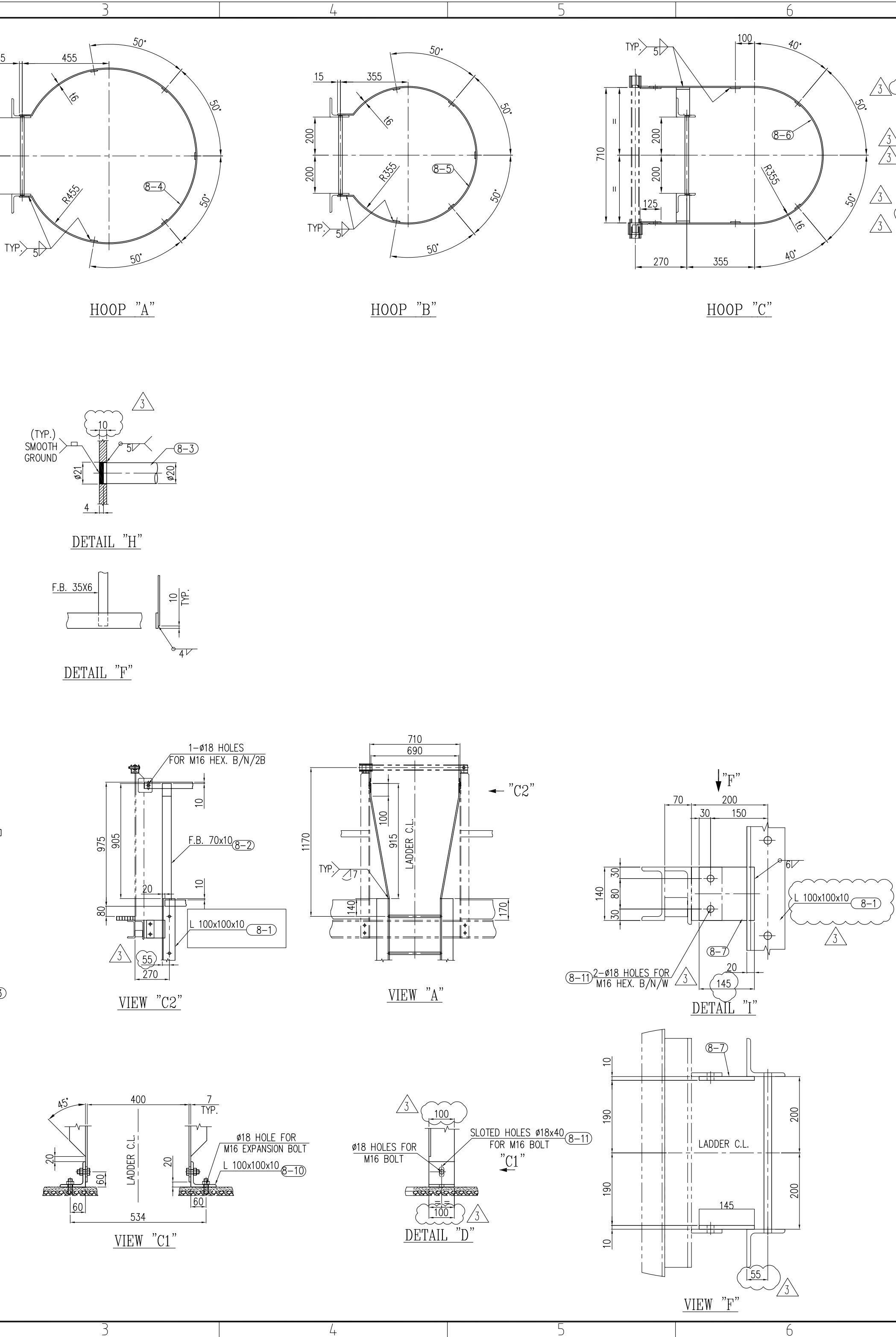
DRAWING TITLE:
**LADDER & PLATFORM (CLIPS)
FOR DIESEL TANK (TK-60023100)**

SCALE		SIZE		CLASS			
1/25		A2		X			
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED							
DOCUMENT NUMBER : SA01-PV-NGOSP-ME-DWVD-1107-03					VD-V090-0111-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION		
SA01-PV	NGOSP	ME	DWVD	1107	03	1/4	

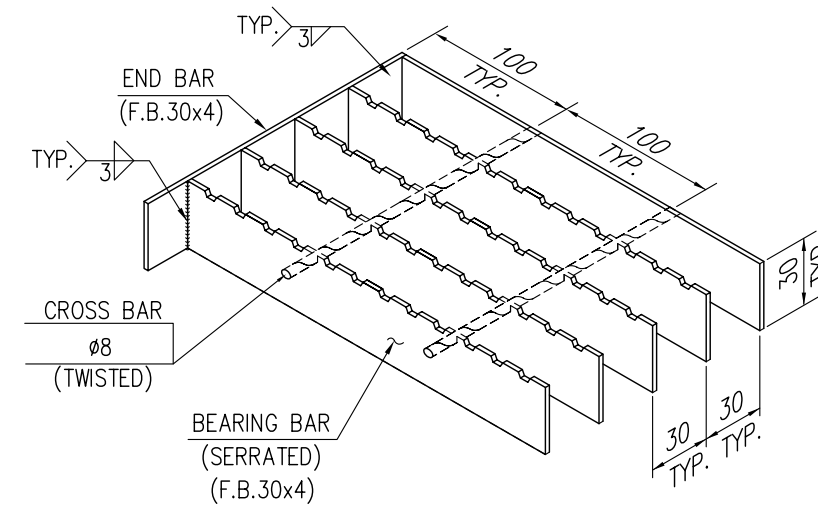
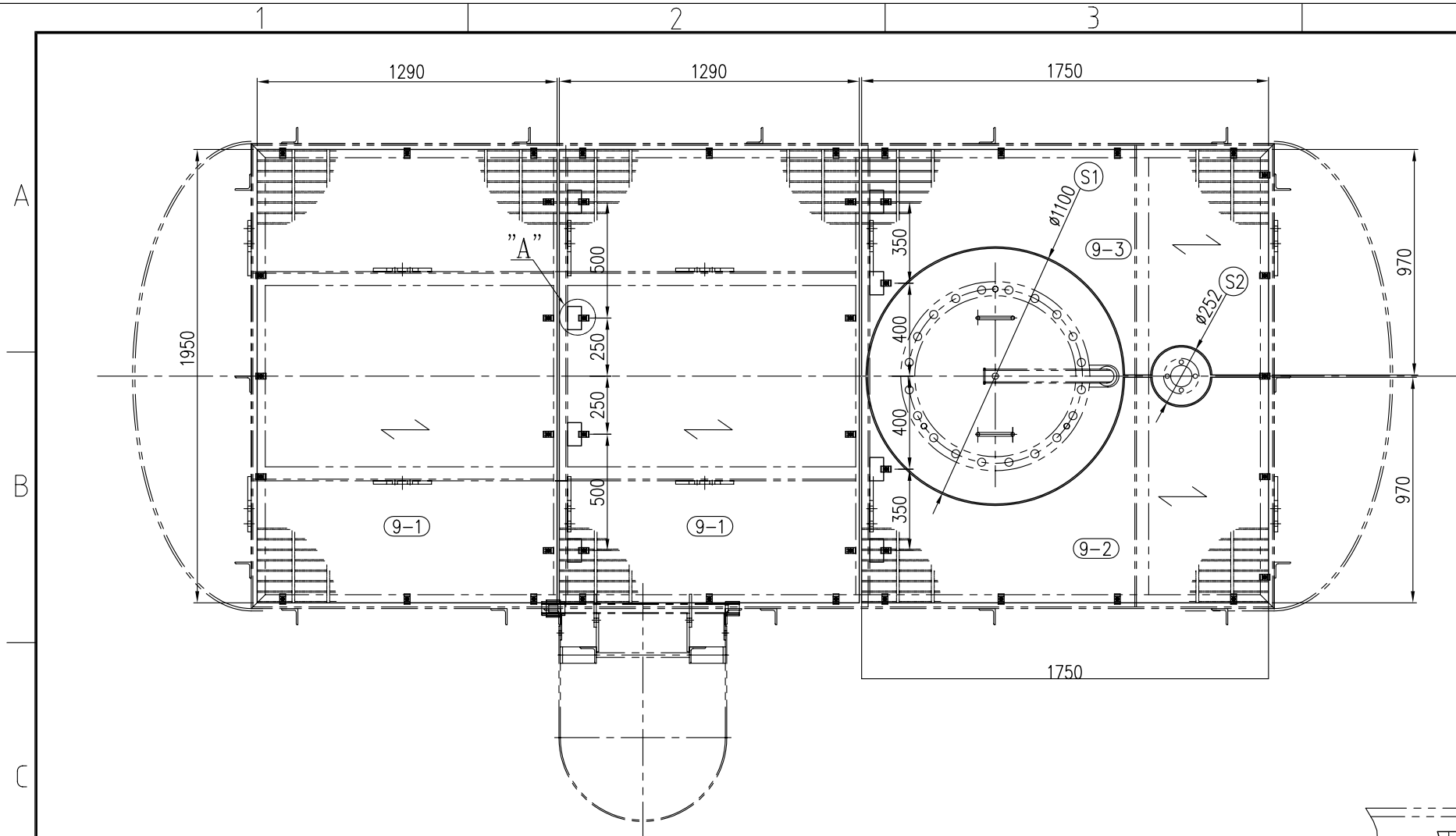
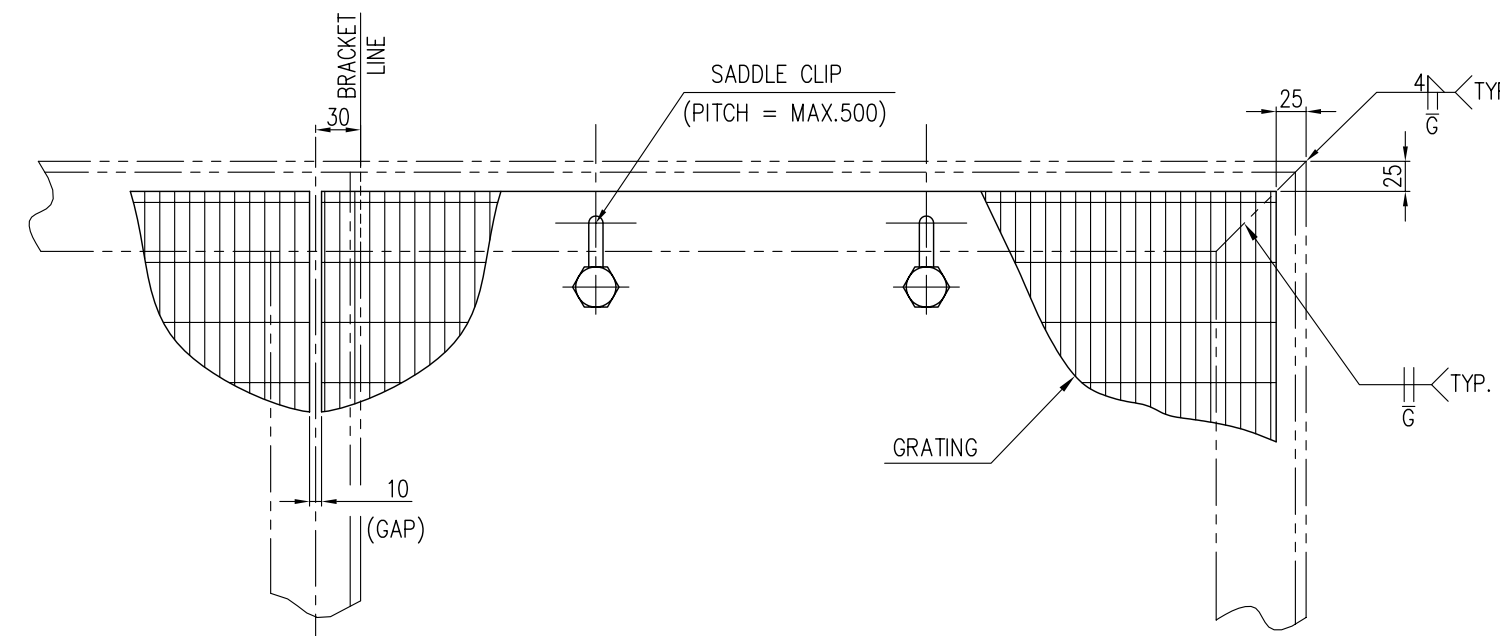
A2
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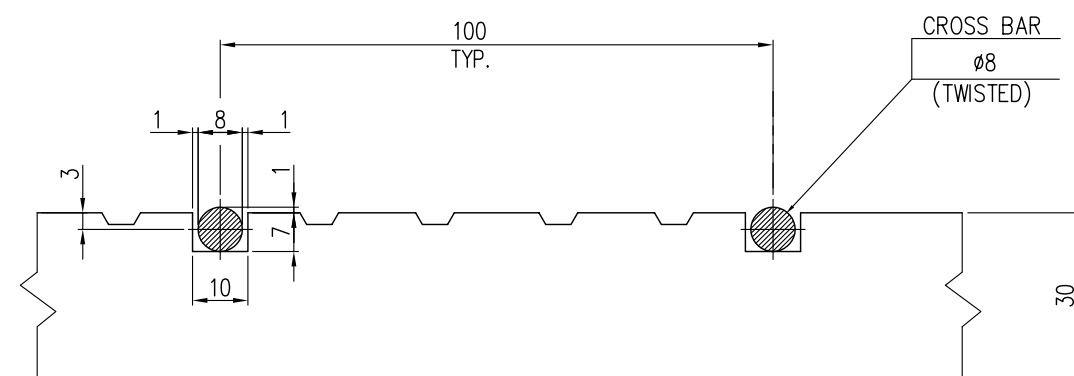
BILL OF MATERIALS							
NO.	PARTICULARS	RQD		WEIGHT (Kg)		MATERIAL	REMARK
		MAIN	SPL	UNIT	TOTAL		
7-1	UPN 140 X L=4400	2		75.5	151	ST 37	
7-2	UPN 140 X L=2000	2		34.5	69	ST 37	
7-3	UPN 140 X L=1986	3		34	102	ST 37	
7-4A	UPN 140 X L=1293	2		22.2	44.4	ST 37	
7-4B	UPN 140 X L=1346	2		23	46	ST 37	
7-5	L 70 X 70 X 7 X L=1246	16		9	144	ST 37	
7-6	F.B. 150 X 6 X L=12090	1		85.4	194.9	ST 37	
7-7	F.B. 50 X 8 X L=12090	1		38	38	ST 37	
7-8	PIPE 1,1/2" ,SCH.40 X L=11756.3	1		46.6	46.6	SA 53	
7-8a	CAP 1,1/2" ,SCH.40	2		0.05	0.1	SA 420-WPL6	
7-9	L 70 X 70 X 7 X L= 1295	2		9.5	19	ST 37	
7-10	PL 6 X 110 X110	2		0.5	1	ST 37	
7-11	PL 5 X 60 X 60	2		0.1	0.2	ST 37	
7-12	PL 10 X 15 X 30	1		0.03	0.03	ST 37	
7-13	PIPE 1/2" ,SCH.STD X L=50	1		0.06	0.06	SA 53	
7-14	PL 5 X 60 X 62	1		0.1	0.1	ST 37	
7-15a	CLEVIS PINØ15 ,L=80	1		0.01	0.01	ST 37	ISO 2341-B-16X80X4-ST
7-15b	SPLIT PIN Ø4 ,L=25	1		0.1	0.1	FA 436	DIN 94-4X25-ST
7-15c	WASHER I.D. 18 X O.D.28 X THK.=4	2		0.03	0.06	ST 37	ISO 8738-18-ST
7-16	PL 5 X 60 X 60	2		0.06	0.12	ST 37	
7-17	PL 10 X 30 X 40	1		0.1	0.1	ST 37	
7-18	PIPE 2" ,SCH.80 X L=100	1		7.3	7.3	PLASTIC	
7-19	PIPE 1,1/4" ,SCH.40 X L=850	1		28.3	28.3	SA 53	
7-20	PL 5 X 60 X 74	1		0.2	0.2	ST 37	
7-21	PL 6 X 50 X 60	2		0.1	0.2	ST 37	
7-22	L 10 X 70 X 150 L=600	1		9	9	ST 37	
7-23	PL 10 X 80 X 140	2		0.8	1.6	ST 37	
7-24	HEX. BOLT & NUT/W M16, L=40	36		--	--	A193-Gr.B7/194-Gr.2H	
						WEIGHT PER 1 SET : 902	Kg
						NUMBER OF SETS : 1	
						TOTAL WEIGHT : 902	Kg
AS BUILT							
NOTES							
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.							
03	16-Dec-2019	ISSUED FOR APPROVAL		F.Alikhani	A.Chorboni	A.Chorboni	M.Jafari
02	15-Oct-2019	ISSUED FOR APPROVAL		F.Alikhani	A.Chorboni	A.Chorboni	M.Jafari
01	07-Aug-2019	ISSUED FOR APPROVAL		F.Alikhani	A.Chorboni	A.Chorboni	M.Jafari
00	14-Jan-2019	ISSUED FOR APPROVAL		F.Alikhani	A.Chorboni	A.Chorboni	M.Jafari
Rev.	Date	Status		Prep.	Chk.	App.	R.S.
MANGEMENT CONTRACTOR:				CLIENT:			
CONTRACTOR:							
PROJECT TITLE:							
SOUTH & NORTH GAS OIL SEPARATION PLANT(N-GOSP & S-GOSP) AND TRANSFER LINE TO CTEP PROJECT (EPCC)							
FACILITIES:							
SURFACE PRODUCTION FACILITIES							
DRAWING TITLE:							
LADDER & PLATFORM (PLATFORM) FOR DIESEL TANK (TK-60023100)							
SCALE		SIZE		CLASS			
1/25		A2		X			
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED							
DOCUMENT NUMBER : SA01-PV-NGOSP-ME-DWVD-1107-03						VD-V090-0111-007	
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	SHEET	
SA01-PV	NGOSP	ME	DWVD	1107	03	2/4	



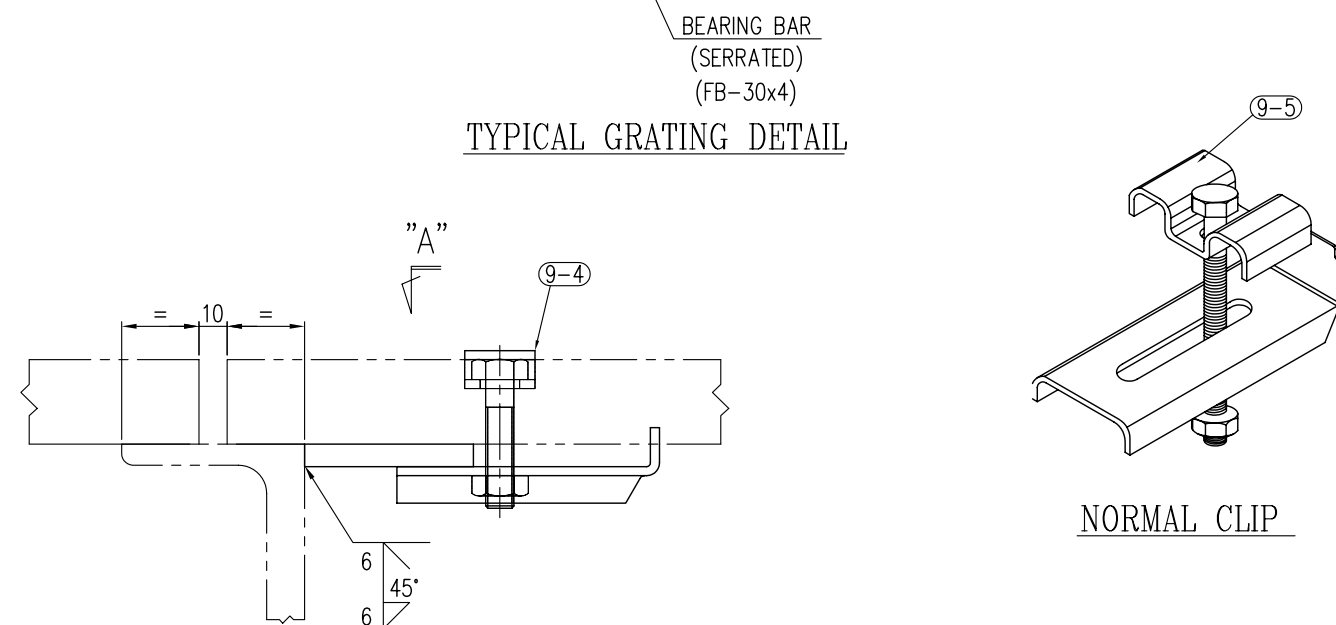
		7				8	
BILL OF MATERIALS							
NO.	PARTICULARS	RQD MAIN SPA.	WEIGHT (Kg) UNIT TOTAL		MATERIAL	REMARK	
8-1	L 100 X 100 X 10 X L= 6290	2	213	426	ST 37		
8-2	F.B. 70 X 10 X L= 917	2	5	10	ST 37		
8-3	R.B. ø20 X L=412	25	0.9	22.5	ST 37		
8-4	F.B. 50 X 6 X L=2564	1	6	6	ST 37		
8-5	F.B. 50 X 6 X L=1958	4	5	20	ST 37		
8-6	F.B. 50 X 6 X L=2225	1	5	5	ST 37		
8-7	PL. 10 X 145 X 140	2	2	4	ST 37		
8-8	DELETED						
8-9	F.B. 35 X 6 X L=4917	5	8	40	ST 37		
8-10	L 100 X 100 X 10 X L= 100	2	1	2	SA 36		
8-11	HEX. BOLT & NUT/W M16, L=40	10 SET	-	-	A320-L7/A194-4/F436		
					WEIGHT PER 1 SET : 535 Kg NUMBER OF SETS : 1 TOTAL WEIGHT : 535 Kg		
NOTES							
1. UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN MILLIMETERS.							
2. ALL SURFACES SHALL BE COATED AS PER SPECIFICATION NO: NGWK-0001-ENPI-SPPA-2308.							
3. ALL BOLTS & NUTS SHALL BE HOT DIP GALVANIZED.							
4. ABBREVIATIONS: H.P.P. = HIGH POINT OF PAVING T.O.P. = TOP OF PLATFORM T.O.S. = TOP OF STRUCTURE T.O.C. = TOP OF CONCRETE T.O.P. = T.O.S.+30 (FOR TOP PLATFORM)							
AS BUILT							

GRATING

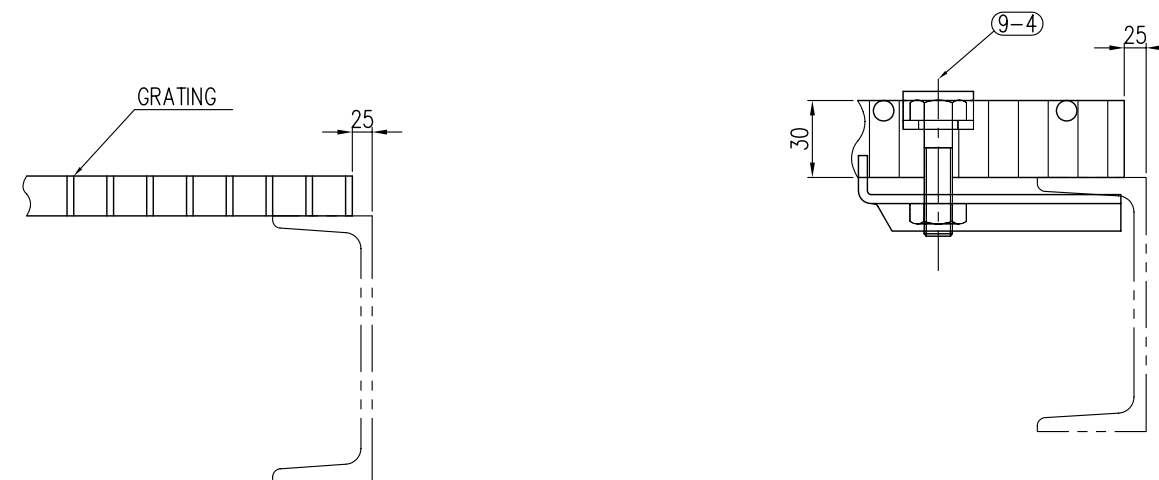
GRATING SETTING



TYPICAL GRATING DETAIL

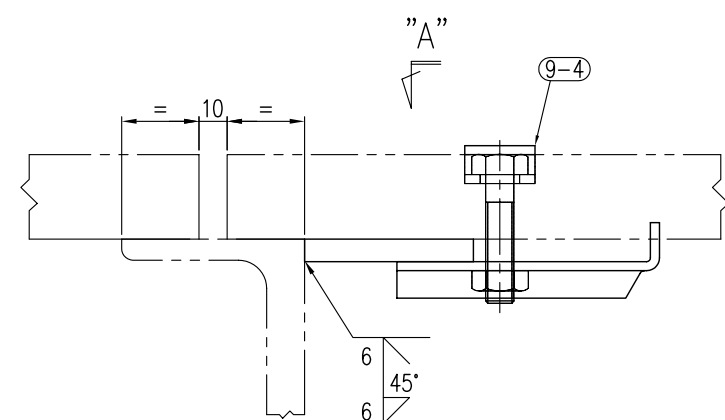


NORMAL CLIP

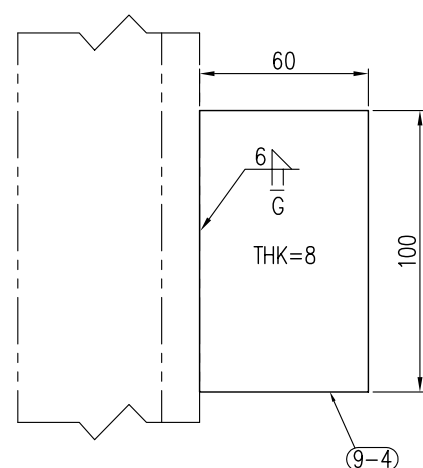


PERIMETER FRAMING

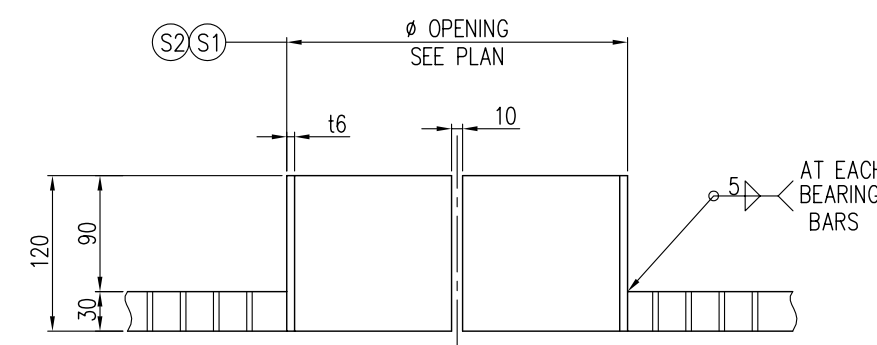
SADDLE CLIP DETAIL



DETAIL "A"



VIEW "B"



GRATING OPENING DETAIL

BILL OF MATERIALS							
NO.	PARTICULARS	RQD		WEIGHT (Kg)		MATERIAL	REMARK
		MAIN	SPA	UNIT	TOTAL		
9-1	GRATING 1950 X 1290	2		86	172	ST 37	
9-2	GRATING 1750 X 970	1		41	41	ST 37	
9-3	GRATING 1750 X 970	1		41	41	ST 37	
9-4	PL 8 X 60 X 100	8		0.3	2.4	ST 37	SUPPORT PLATE
9-5	NORMAL SADDLE CLIP	46		0.03	1.3	SA 36	SADDLE CLIP
S1	SLEEVE PL 6 X 120 X 1727	2		9	18	Gr.8.8	
S2	SLEEVE PL 6 X 120 X 395	2		2.2	4.4	Gr.8.8	

WEIGHT PER 1 SET :	311	Kg
NUMBER OF SETS :	1	
TOTAL WEIGHT :	311	Kg

AS BUILT

NOTES

1. UNLESS OTHERWISE NOTED ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL SURFACES SHALL BE COATED AS PER SPECIFICATION NO: NGWK-0001-ENPI-SPPA-2308.
3. ALL BOLTS & NUTS SHALL BE HOT DIP GALVANIZED.
4. ABBREVIATIONS:
 - H.P.P. = HIGH POINT OF PAVING
 - T.O.P. = TOP OF PLATFORM
 - T.O.S. = TOP OF STRUCTURE
 - T.O.C. = TOP OF CONCRETE
 - T.O.P. = T.O.S.+30 (FOR TOP PLATFORM)

						
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00	14-Jan-2019	ISSUED FOR APPROVAL	F. Alikhani	A. Ghorbani	A. Ghorbani	M. Jafari
Rev.	Date	Status	Prep.	Chk.	App.	R.S.

MANAGEMENT CONTRACTOR:



CONTRACTOR:



CLIENT:



PROJECT TITLE:
SOUTH & NORTH GAS OIL SEPARATION PLANT(N-GOSP & S-GOSP)
AND TRANSFER LINE TO CTEP PROJECT (EPCC)

FACILITIES:	SURFACE PRODUCTION FACILITIES
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DRAWING TITLE:

**LADDER & PLATFORM (GRATING)
FOR DIESEL TANK (TK-60023100)**

SCALE	SIZE	CLASS
1/25	A2	X

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DOCUMENT NUMBER : SA01-PV-NGOSP-ME-DWVD-1107-03					VD-V090-0111-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION		
SA01-PV	NGOSP	ME	DWVD	1107	03	4/4	