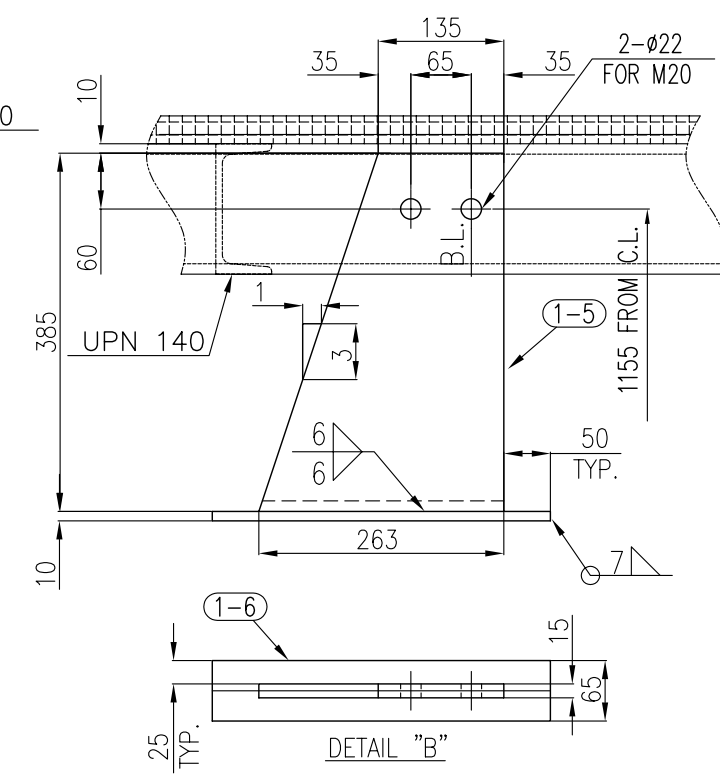
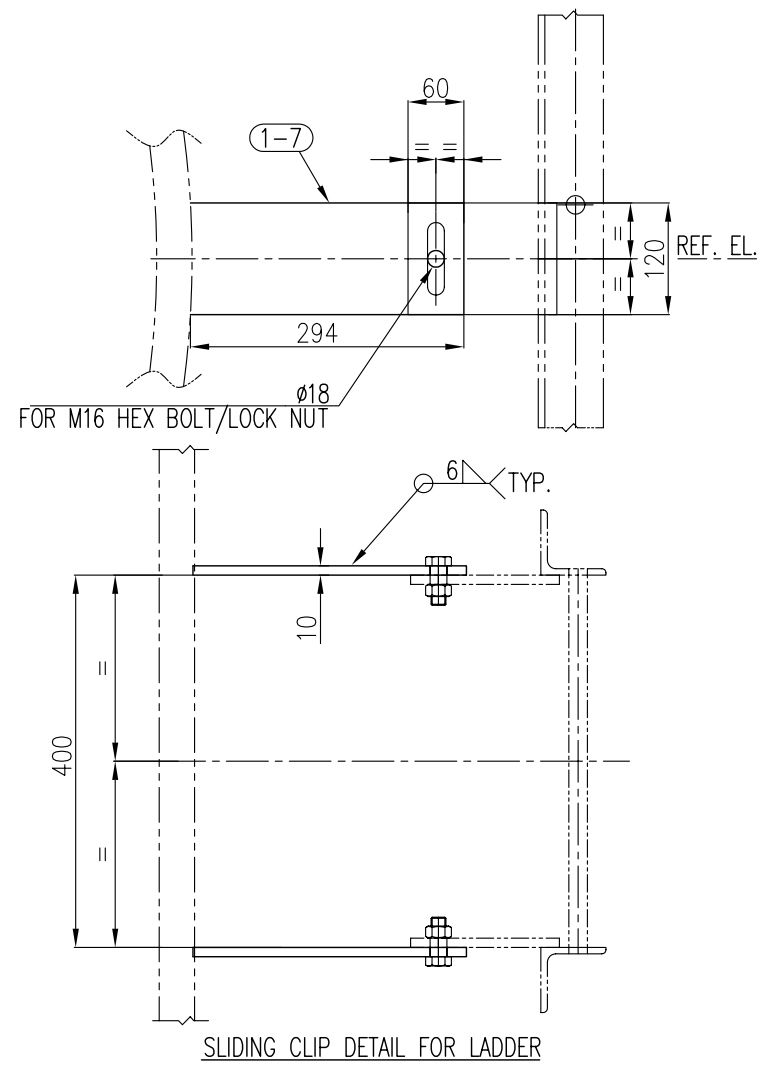
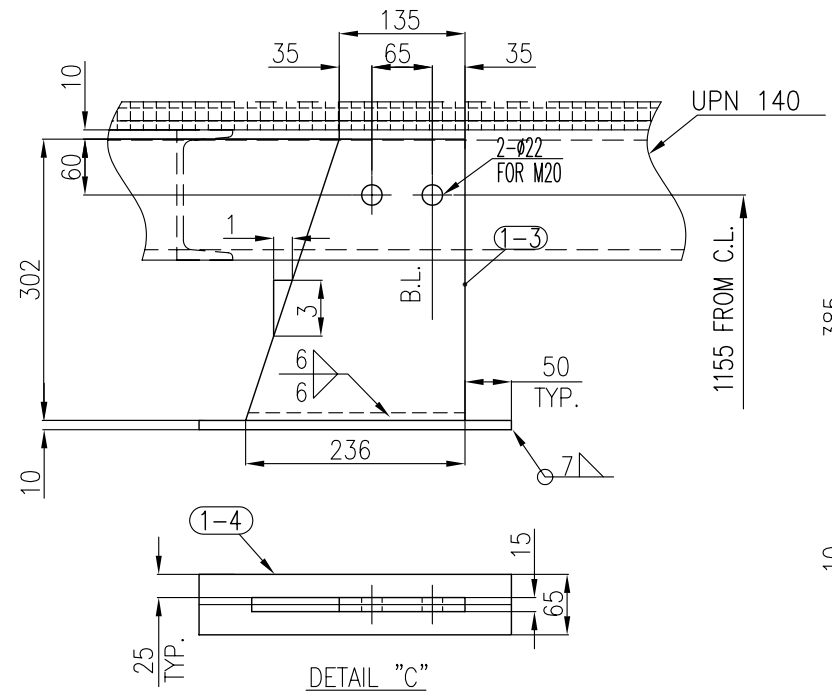




BILL OF MATERIALS							
NO.	PARTICULARS	RQD		WEIGHT (Kg)		MATERIAL	REMARK
		MAIN	SPA	UNIT	TOTAL		
1-1	PL. 15 x 173 x 291	12	6	72		ST 37-2	
1-2	PL. 10 x 65 x 378	12	2	24		SA 516-70N	
1-3	PL. 15 x 236 x 302	6	8	48		ST 37-2	
1-4	PL. 10 x 65 x 336	6	1.5	9		SA 516-70N	
1-5	PL. 15 x 263 x 385	2	10	20		ST 37-2	
1-6	PL. 10 x 65 x 363	2	2	4		SA 516-70N	
1-7	PL. 10 x 120 x 294	2	4.5	9		ST 37-2	

WEIGHT PER 1 SET : 186 Kg
NUMBER OF SETS : 1
TOTAL WEIGHTS : 186 Kg

AS BUILT

NOTES

- 1- ALL DIMENSIONS ARE MM UNLESS OTHERWISE NOTED.PROJECT SPECIFICATION.
- 2- ALL SHARP CORNERS & BURRS SHALL BE REMOVED BEFORE FINAL SURFACES COATING.
- 3- ALL SURFACES SHALL BE COATED AS PER PROJECT SPECIFICATION.
- 4- BOLT/NUT/WASHER IN STRUCTURAL PARTS SHALL BE CONSIDERED AS FOLLOWS:
BOLT: A325, NUT: A563, WASHER: F436
- ~~5-DELETED~~ 3
- 6- GRATING SHALL BE ANCHORED WITH SADDLE CLIP ANCHORS AND SELF-DRILLING SCREWS.
ANCHORS SHALL BE DESIGNED TO FIT OVER TWO BEARING BARS AND A MINIMUM OF FOUR ANCHORS SHALL BE PROVIDED FOR EACH PANEL ALSO A MINIMUM OF FOUR ANCHORS SHALL BE PROVIDED FOR EACH SQUARE METER OF GRATING PANEL: MAX. OF (4/PC, 4/M2). THE ANCHORS SHALL BE SUPPLIED BY THE FABRICATOR WITH FIVE PERCENT EXTRA TO COVER LOSSES.
- 7- UNLESS OTHERWISE SPECIFIED ALL FILLET WELDS SHALL BE 0.7 OF THICKENERS PART OF THE WELDED JOINT.
- 8- ABBREVIATIONS : T.O.P = TOP OF PLATFORM T.O.S = TOP OF STEEL STRUCTURE
- ~~9- T.O.P ELEVATION IS CONSIDERED AS T.O.S + 30 MM FOR TOP PLTF~~ 3
- 10- ALL BOLTS & NUTS SHALL BE HOT DIP GALVANIZED.

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00	06-May-2019	Issued for Approval	A.Rabeie	A.Ghorbani	M.Jafari	
Rev.	Date	Status	Prep.	Chk.	App.	R.S.

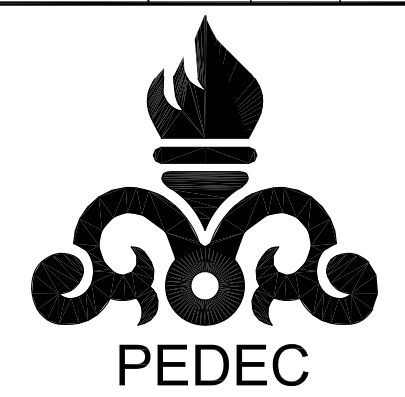
MANAGEMENT CONTRACTOR:



CONTRACTOR:



CLIENT:



PROJECT TITLE:

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

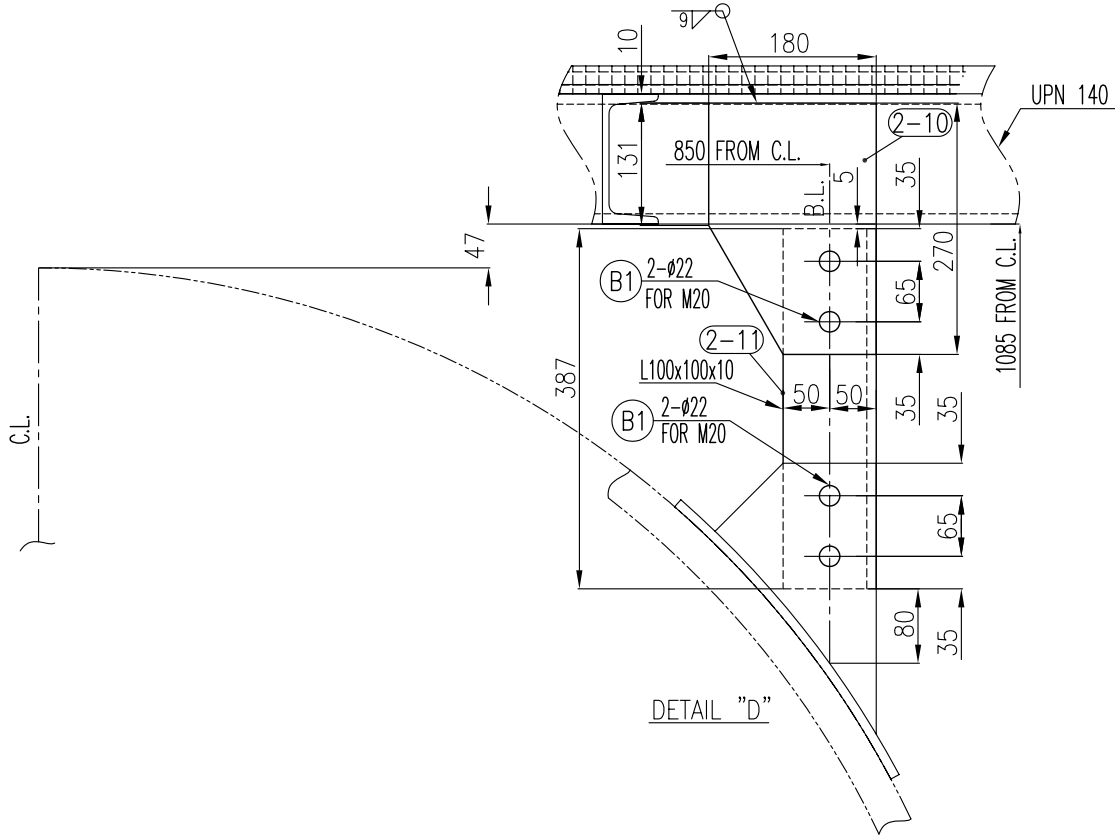
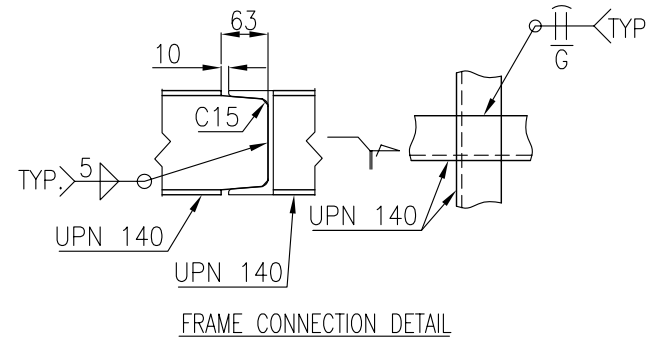
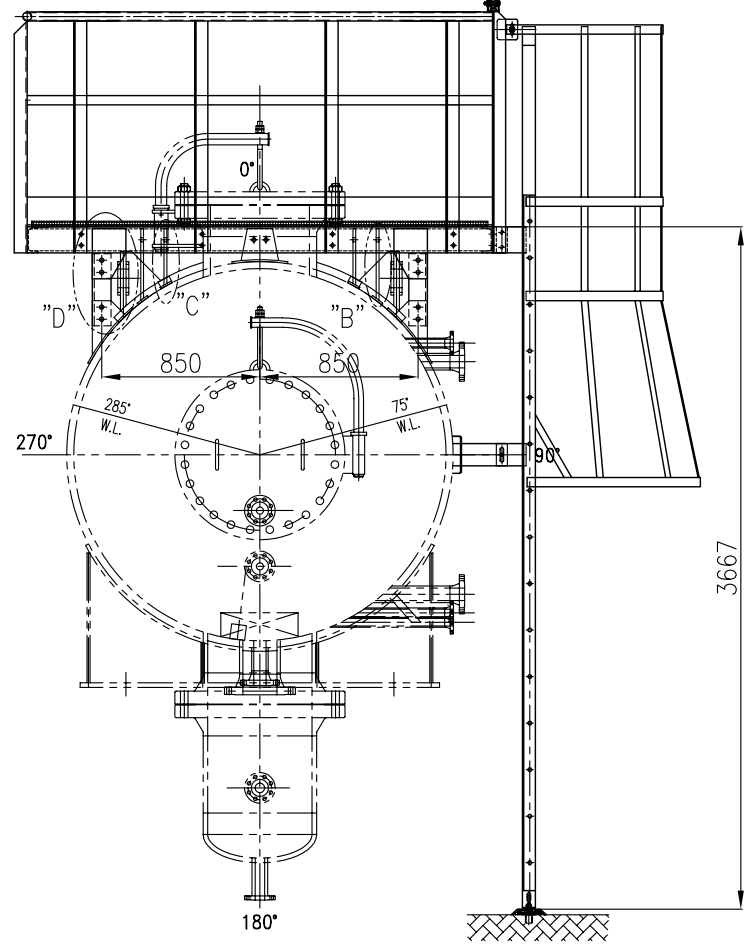
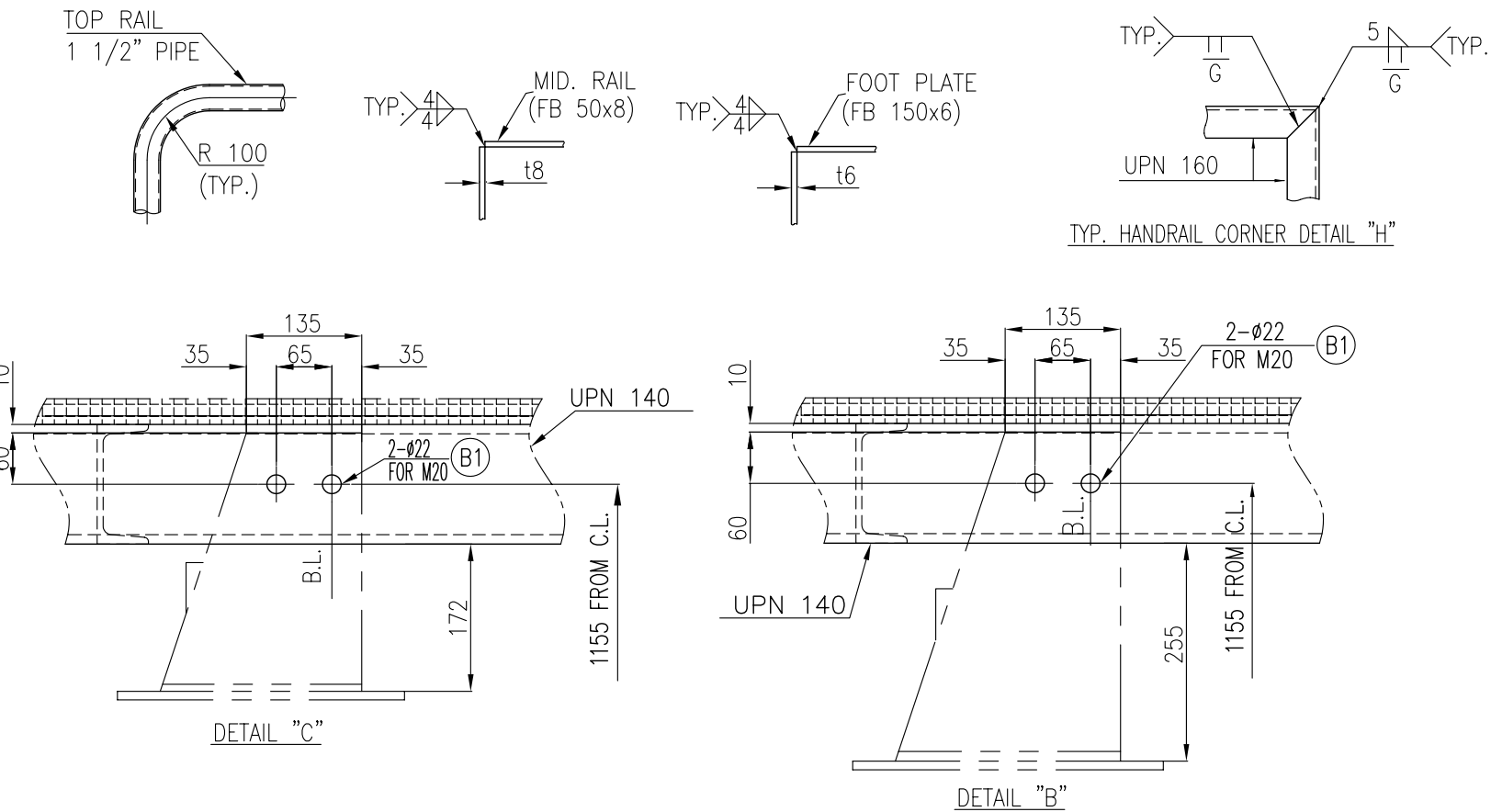
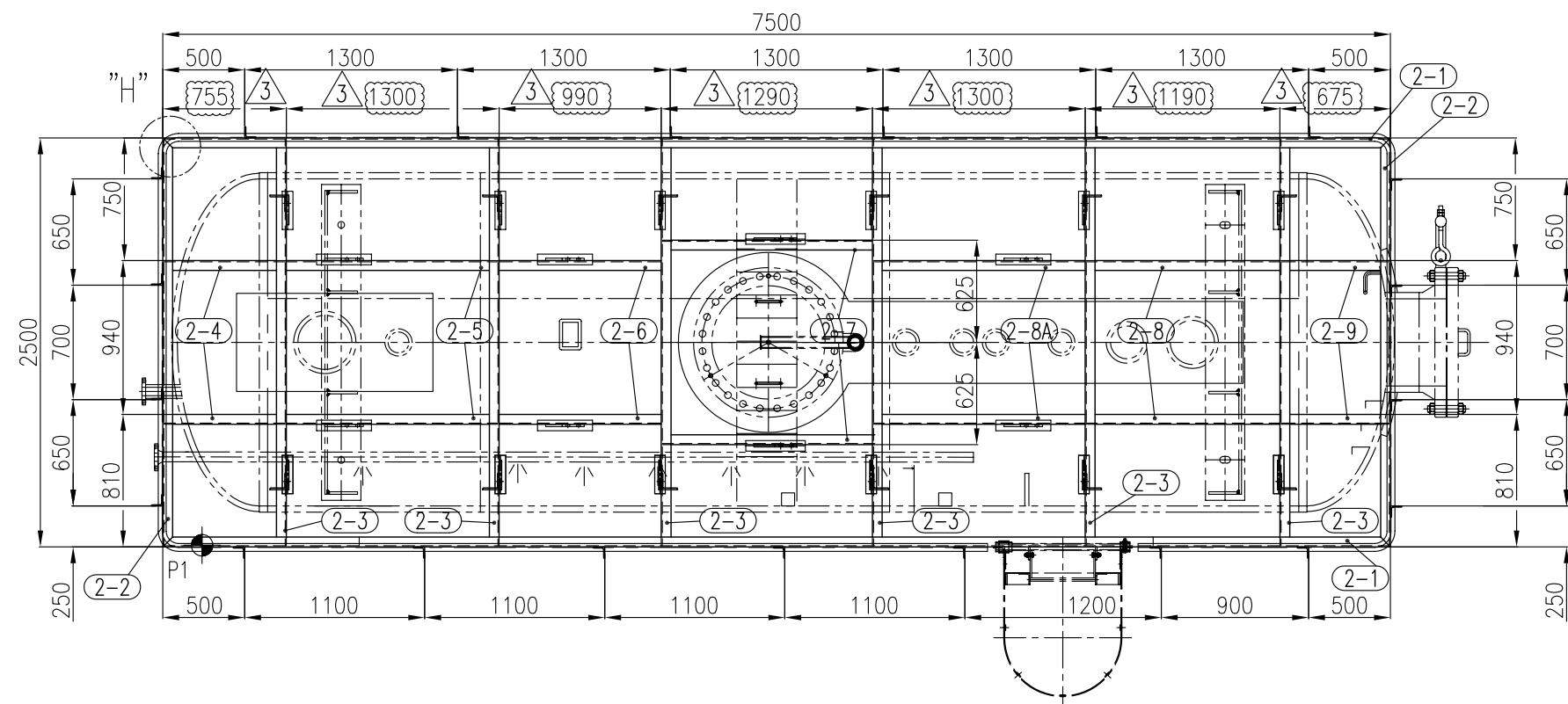
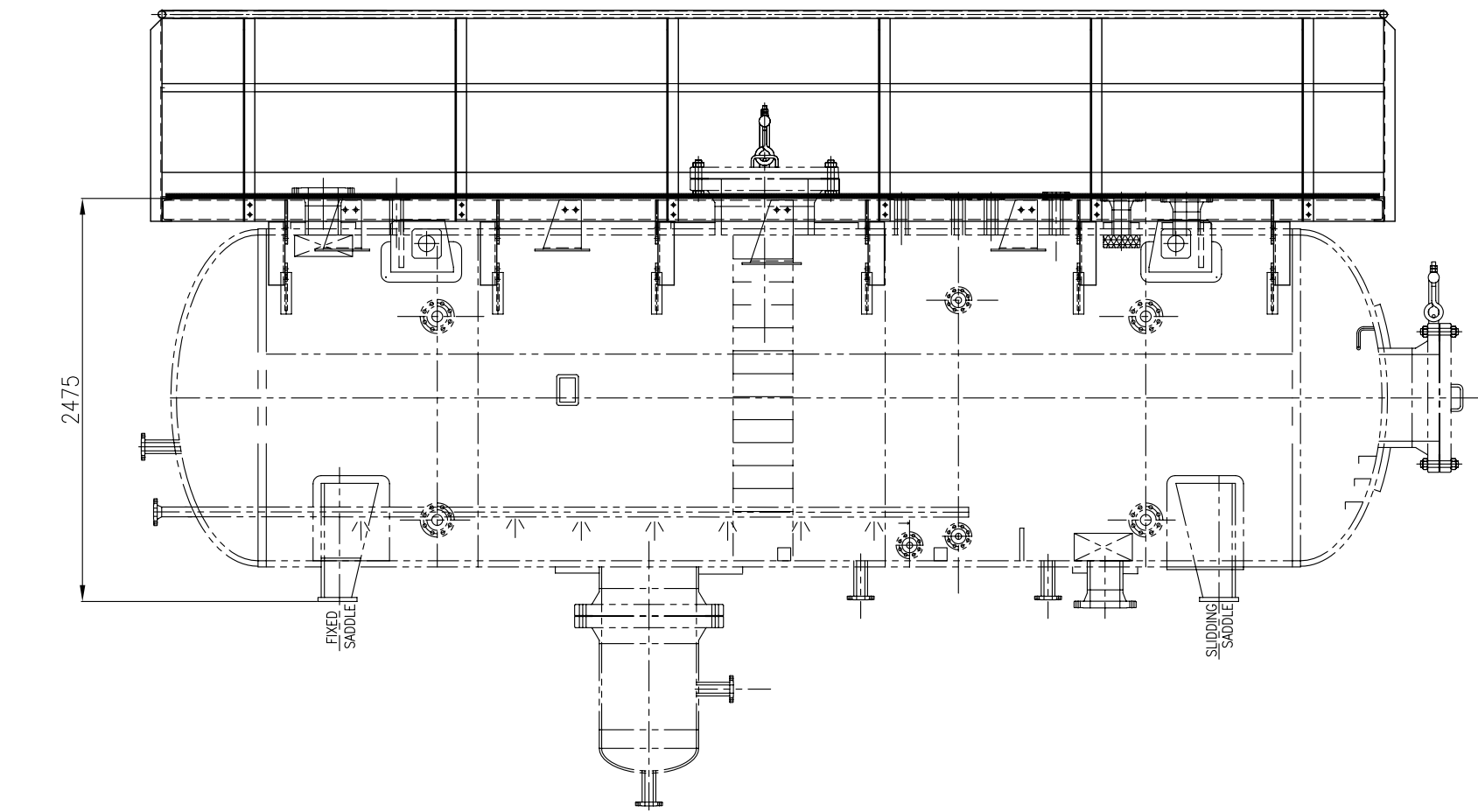
FACILITIES:

SURFACE PRODUCTION FACILITIES

DRAWING TITLE:

LADDER & PLATFORM (CLIPS)
FOR (SE-70015100)

SCALE		SIZE		CLASS		
1/40		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-SGOSP-ME-DWVD-1207-03				VD-V090-0112-007		
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	SHEET
SA01-PV	NGOSP	ME	DWVD	1207	03	
						1/5



BILL OF MATERIALS

NO.	PARTICULARS	RQD		WEIGHT (Kg)		MATERIAL	REMARK
		MAIN	SPA.	UNIT	TOTAL		
2-1	UPN 140 - 7500 L	2		120	240	ST 37-2	
2-2	UPN 140 - 2500 L	2		40	80	ST 37-2	
2-3	UPN 140 - 2486 L	6		40	240	ST 37-2	
2-4	UPN 140 - (741 L)	2		12.5	25	ST 37-2	
2-5	UPN 140 - (1293 L)	2		21.5	43	ST 37-2	
2-6	UPN 140 - (990 L)	2		16.5	33	ST 37-2	
2-7	UPN 140 - (1283 L)	2		21	42	ST 37-2	
2-8	UPN 140 - (1183 L)	2		19.5	39	ST 37-2	
2-8A	UPN 140 - (1293 L)	2		21	42	ST 37-2	
2-9	UPN 140 - (661 L)	2		11	22	ST 37-2	
2-10	PL 15 x 180 x 270	12		5.5	66	ST 37-2	
2-11	L 100 x 100 x 10, L=387	12		6.5	78	ST 37-2	
B1	HEX B/N M20 x 50L	68Sets		0.25	10	SA193 GR.B7M/SA194-GR.2HM	

AS BUILT

WEIGHT PER 1 SET : 960 Kg
NUMBER OF SETS : 1
TOTAL WEIGHTS : 960 Kg

NOTES

- 1- ALL DIMENSIONS ARE MM UNLESS OTHERWISE NOTED.PROJECT SPECIFICATION.
- 2- ALL SHARP CORNERS & BURRS SHALL BE REMOVED BEFORE FINAL SURFACES COATING.
- 3- ALL SURFACES SHALL BE COATED AS PER PROJECT SPECIFICATION.
- 4- BOLT/NUT/WASHER IN STRUCTURAL PARTS SHALL BE CONSIDERED AS FOLLOWS:
BOLT: A325, NUT: A563, WASHER: F436
- 5-DELETED
- 6- GRATING SHALL BE ANCHORED WITH SADDLE CLIP ANCHORS AND SELF-DRILLING SCREWS.
ANCHORS SHALL BE DESIGNED TO FIT OVER TWO BEARING BARS AND A MINIMUM OF FOUR ANCHORS SHALL BE PROVIDED FOR EACH PANEL ALSO A MINIMUM OF FOUR ANCHORS SHALL BE PROVIDED FOR EACH SQUARE METER OF GRATING PANEL: MAX. OF (4/PC, 4/M2). THE ANCHORS SHALL BE SUPPLIED BY THE FABRICATOR WITH FIVE PERCENT EXTRA TO COVER LOSSES.
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00	06-May-2019	Issued for Approval	A.Rabeie	A.Ghorbani	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:

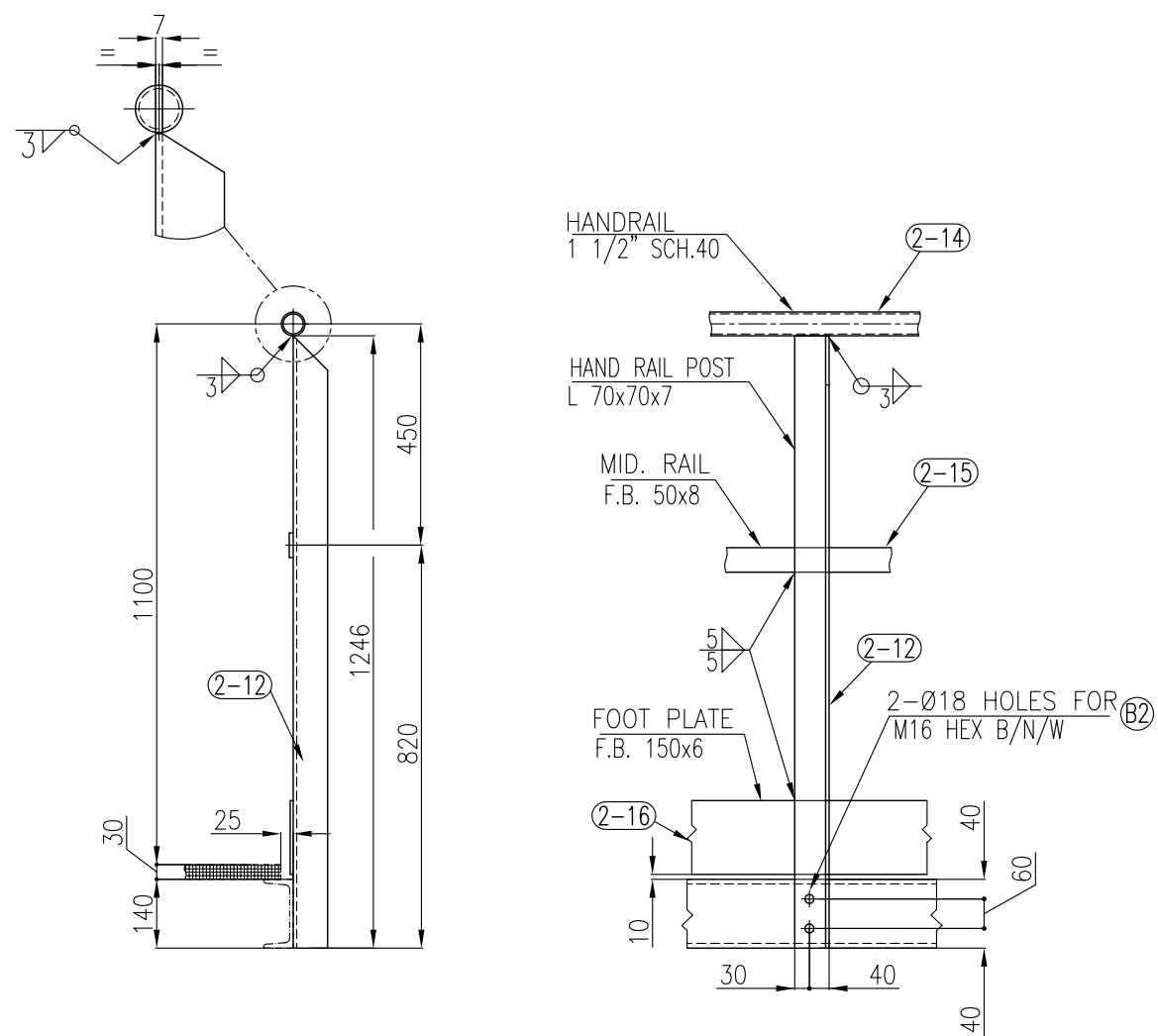
SURFACE PRODUCTION FACILITIES

DRAWING TITLE:

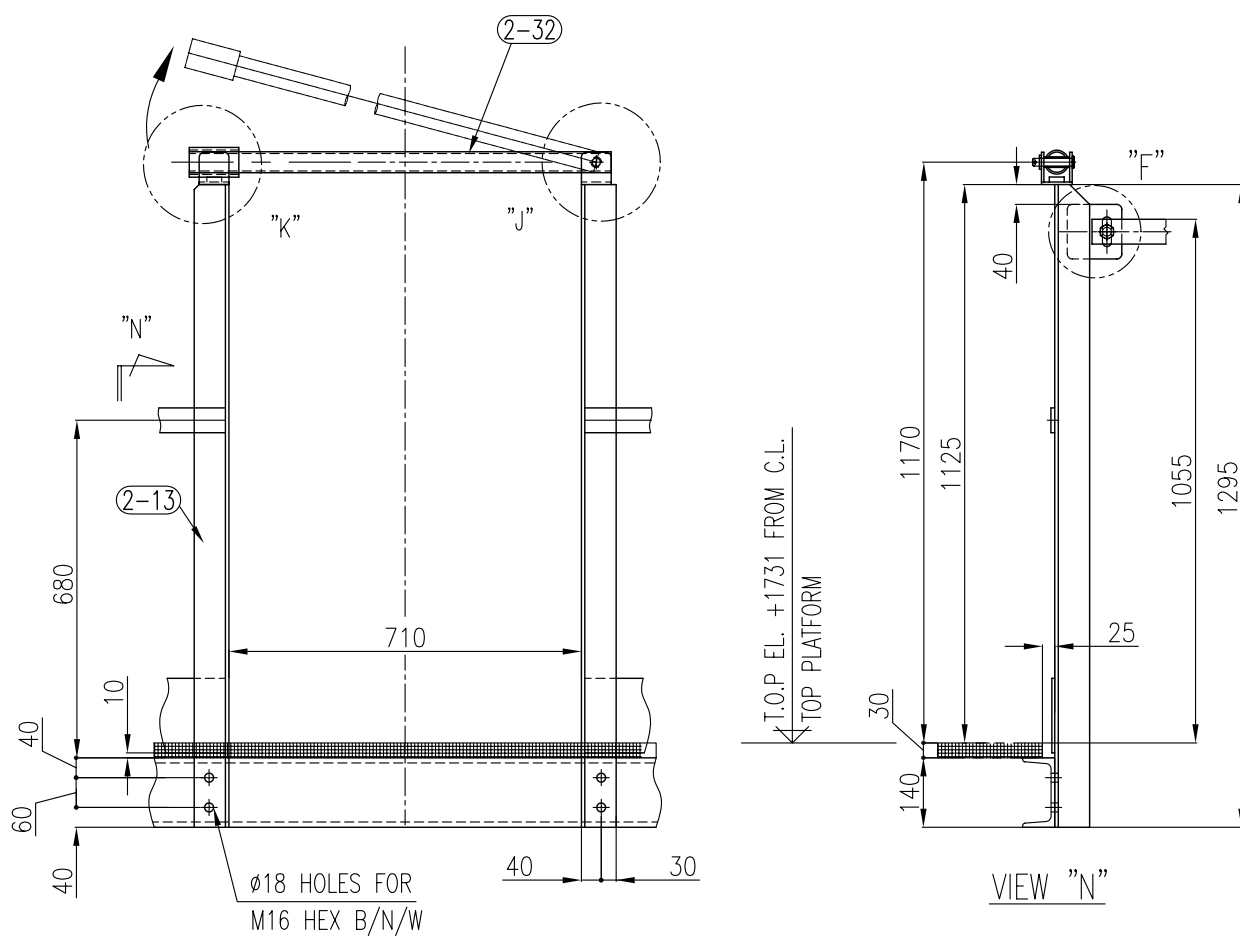
LADDER & PLATFORM (PLATFORM)
FOR (SE-70015100)

SCALE		SIZE		CLASS		
1/40		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-SGOSP-ME-DWVD-1207-03				VD-V090-0112-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01-PV	NGOSP	ME	DWVD	1207	03	2/5

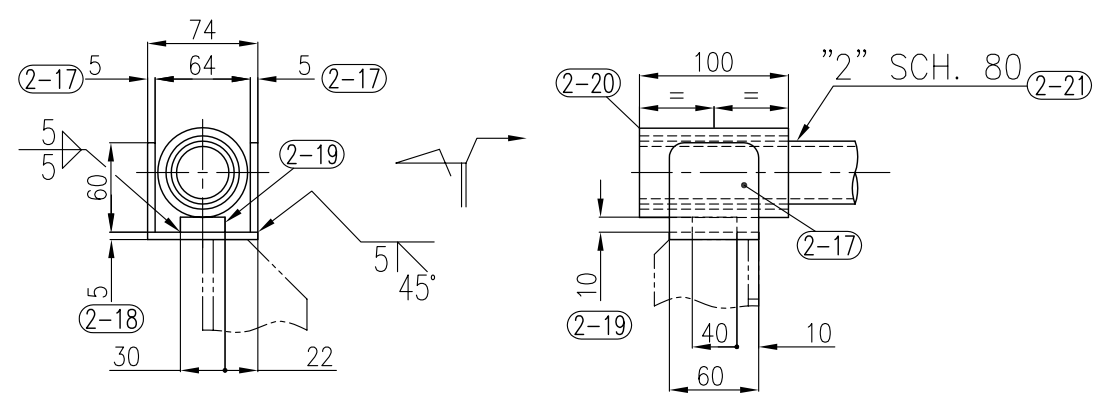
AS BUILT



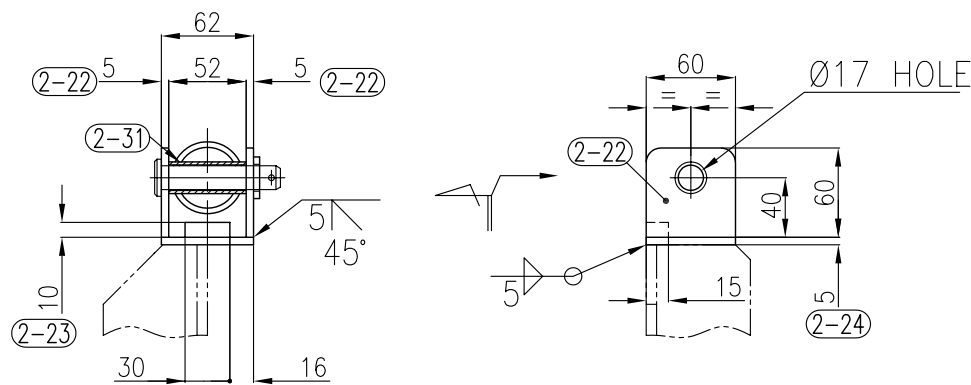
TYP. HANDRAIL DETAIL



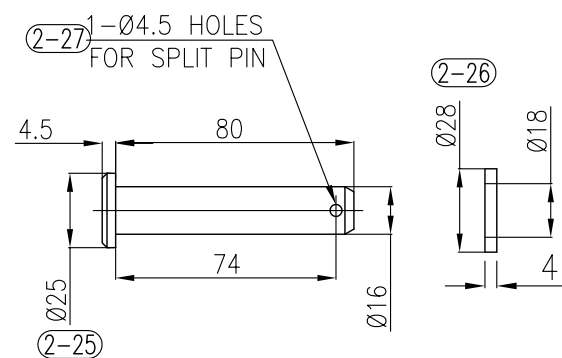
SAFETY GATE DETAIL FOR TOP P.F.



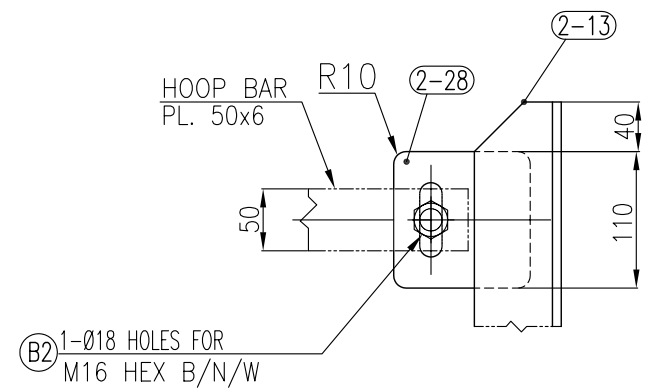
DETAIL "K"



DETAIL "J"



DETAIL OF CLEVIS PIN/W



DETAIL "F"

BILL OF MATERIALS

NO.	PARTICULARS	RQD		WEIGHT (Kg)		MATERIAL	REMARK
		MAIN	SPA.	UNIT	TOTAL		
2-12	L 70 x 70 x 7, L=1246	35		9.2	322	ST 37-2	
2-13	L 70 x 70 x 7, L=1295	6		9.5	57	ST 37-2	
2-14	PIPE 1 1/2", SCH. 40, L=18936	1		75	75	ST 37-2	
2-15	F.B. 50 x 8, L=19658	1		62	62	ST 37-2	
2-16	F.B. 50 x 6, L=19658	1		46	46	ST 37-2	
2-17	PL 5 x 60 x 60	6		0.2	1.2	ST 37-2	
2-18	PL 5 x 60 x 74	3		0.2	0.6	ST 37-2	
2-19	PL 10 x 30 x 40	3		0.1	0.3	ST 37-2	
2-20	PIPE 2", SCH. 80, L=100	3		0.7	2.1	SA 53	
2-21	PIPE 1 1/4", SCH. 40, L=850	3		3	9	SA 53	
2-22	PL 5 x 60 x 60	6		0.2	1.2	ST 37-2	
2-23	PL 10 x 15 x 30	3		0.1	0.3	ST 37-2	
2-24	PL 5 x 60 x 62	3		0.2	0.6	ST 37-2	
2-25	CLEVIS PIN Ø16, L=80	3		0.1	0.3	ST 37-2	
2-26	WASHER 4 x ID 18 x OD 28	3		-	-	ST 37-2	
2-27	SPLIT PIN 4 x 25	3		-	-	ST 37-2	
2-28	PL 6 x 110 x 110	6		0.6	3.6	ST 37-2	
2-29	PL 15 x 170 x 350	3		7	21	ST 37-2	
2-30	PL 10 x 65 x 65	6		0.5	3	ST 37-2	
2-31	PIPE 1/2", SCH. XS., L=50	3		0.1	0.3	ST 37-2	
2-32	PIPE 1 1/4", SCH. 40, L=850	1		1	1	ST 37-2	
B2	HEX. BOLT & NUT/W M16, L=40	12SET.		-	-	SA193 GR.B7M/SA194-GR.2HM	

NOTES

- ALL DIMENSIONS ARE MM. UNLESS OTHERWISE NOTED.PROJECT SPECIFICATION.
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- ALL SURFACES SHALL BE COATED AS PER PROJECT SPECIFICATION.
- BOLT/NUT/WASHER IN STRUCTURAL PARTS SHALL BE CONSIDERED AS FOLLOWS:
BOLT: A325, NUT: A563, WASHER: F436
- ~~5-DELETED~~ 3
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- UNLESS OTHERWISE SPECIFIED ALL FILLET WELDS SHALL BE 0.7 OF THICKENERS PART OF THE WELDED JOINT.
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- ~~9- T.O.P ELEVATION IS CONSIDERED AS T.O.S + 30 MM FOR TOP PLTF~~ 3
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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)

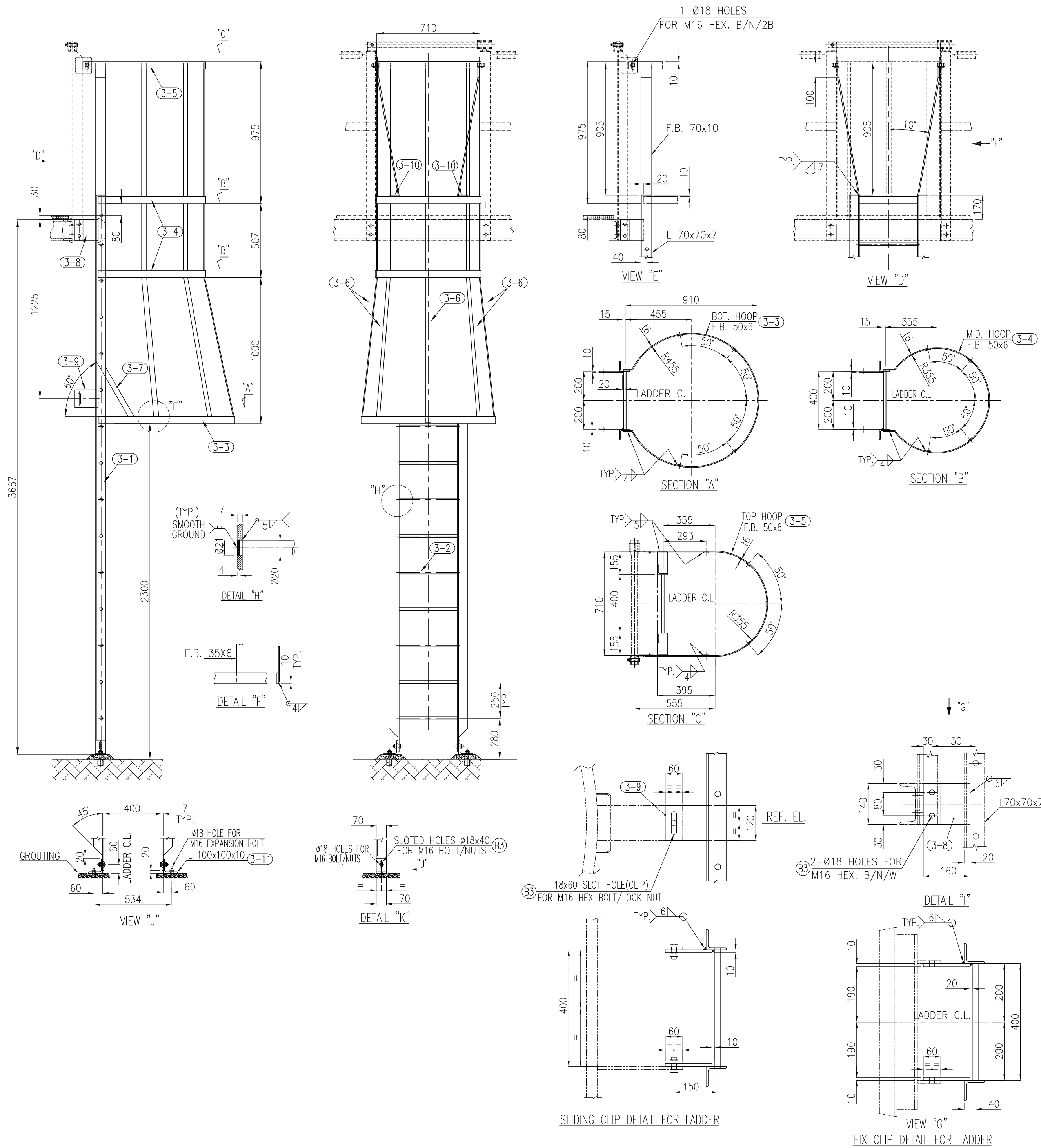
FACILITIES:	SURFACE PRODUCTION FACILITIES
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DRAWING TITLE:	LADDER & PLATFORM (PLATFORM) FOR (SE-70015100)
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SCALE	SIZE	CLASS
1/30	A2	A

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DOCUMENT NUMBER : SA01-PV-SGOSP-ME-DWVD-1207-03				VD-V090-0112-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01-PV	NGOSP	ME	DWVD	1207	03	3/5



BILL OF MATERIALS						
NO.	PARTICULARS	RQD		WEIGHT (Kg)		REMARK
		MAIN	SPA.	UNIT	TOTAL	
3-1	SIDE RAIL L70 x 70 x 7 -3817L	2		28	56	ST 37-2
3-2	RUNG BAR Ø20 x 406L	15		1	15	ST 37-2
3-3	BOTTOM HOOP FB 50 x 6 -2568L	1		6	6	ST 37-2
3-4	MID. HOOP FB 50 x 6 -1961L	2		4.5	9	ST 37-2
3-5	HOOP FB 50 x 6 -2085L	1		5	5	ST 37-2
3-6	CAGE BAR FB 35 x 6 -2462L	5		4	20	ST 37-2
3-7	CAGE BAR FB 35 x 6 -475L	2		0.8	1.6	ST 37-2
3-8	FIX CLIP PL 10 x 140 x 160	2		1.8	3.6	ST 37-2
3-9	SLIDING CLIP PL 10 x 120 x 160	2		1.5	3	ST 37-2
3-10	FB 70 x 10 -1060L	2		6	12	ST 37-2
3-11	SUPPORT CONNECTION L100 x 100 x 10 -70L	2		1	2	ST 37-2
B3	HEX. BOLT & NUT/W M16, L=40	8SET.		-	-	SA193 GR.B7M/SA194-GR.2HM
					WEIGHT PER 1 SET : 133 Kg	
					NUMBER OF SETS : 1	
					TOTAL WEIGHTS : 133 Kg	

AS BUILT

NOTES

- ALL DIMENSIONS ARE MM UNLESS OTHERWISE NOTED.PROJECT SPECIFICATION.
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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 (LADDER)
FOR (SE-70015100)**

SCALE		SIZE		CLASS			
1/40		A2		A			
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED							
DOCUMENT NUMBER : SA01-PV-SGOSP-ME-DWVD-1207-03				VD-V090-0112-007		SHEET	
PROJECT/SUB PRO.		SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.		REVISION
SA01—PV		NGOSP	ME	DWVD	1207	03	4/5

SCALE		SIZE		CLASS		
1/30		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-SGOSP-ME-DWVD-1207-03				VD-V090-0112-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01-PV	NGOSP	ME	DWVD	1207	03	5/5