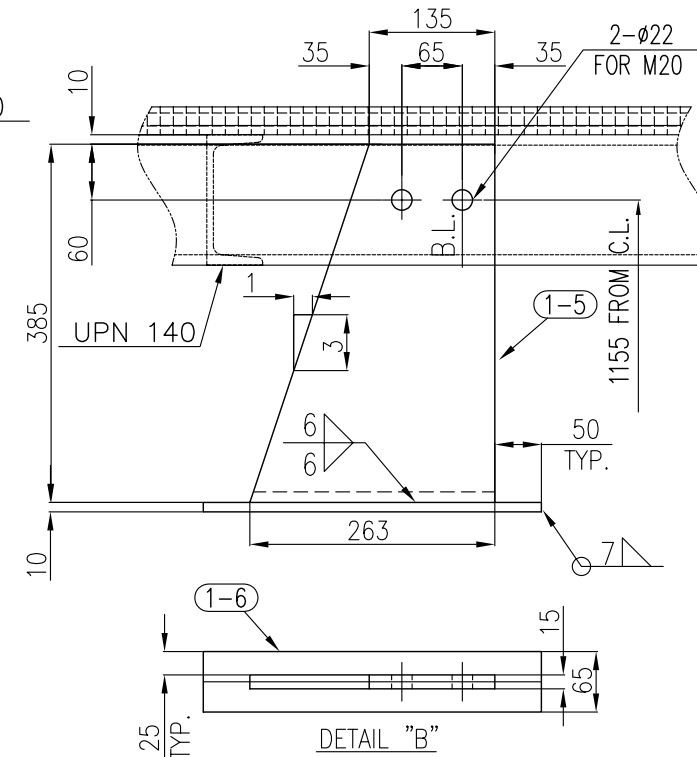
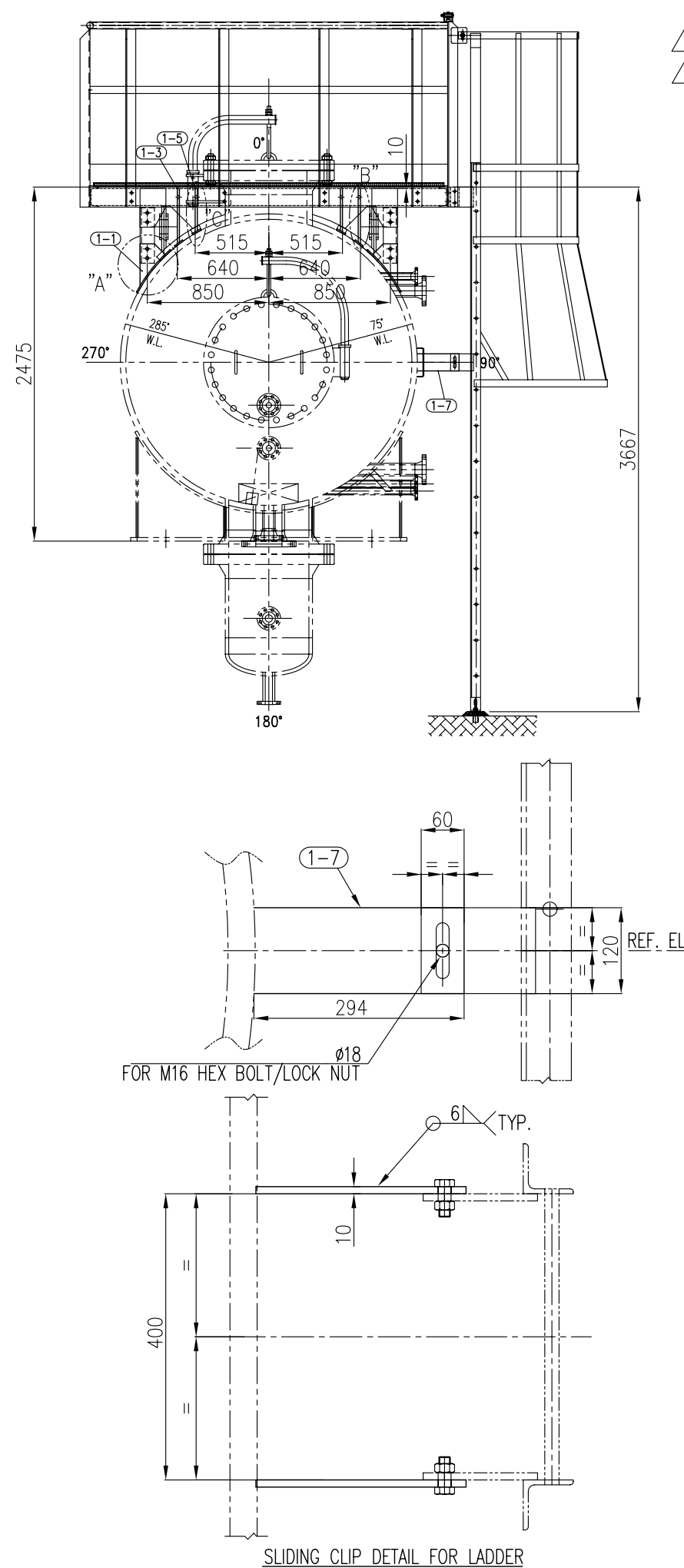
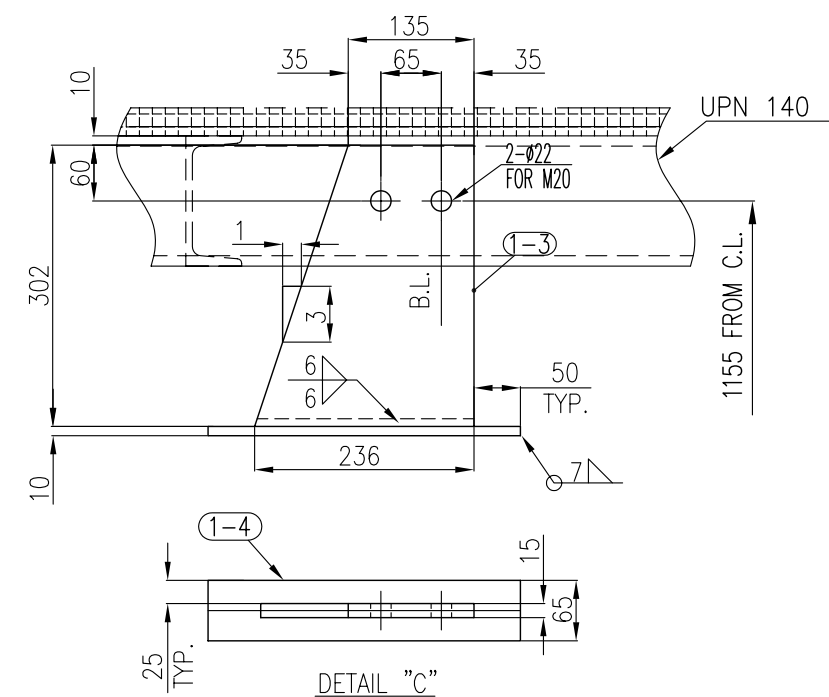
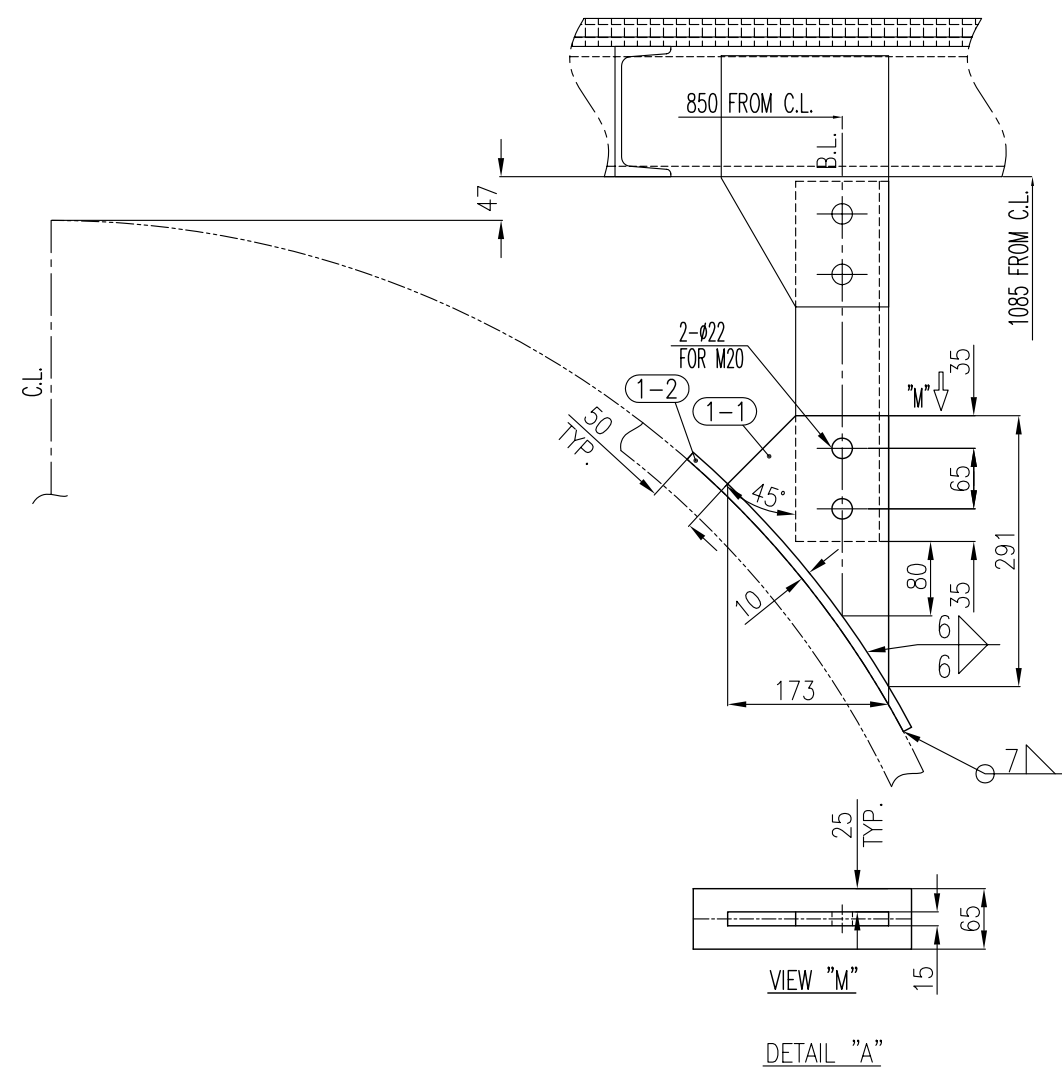
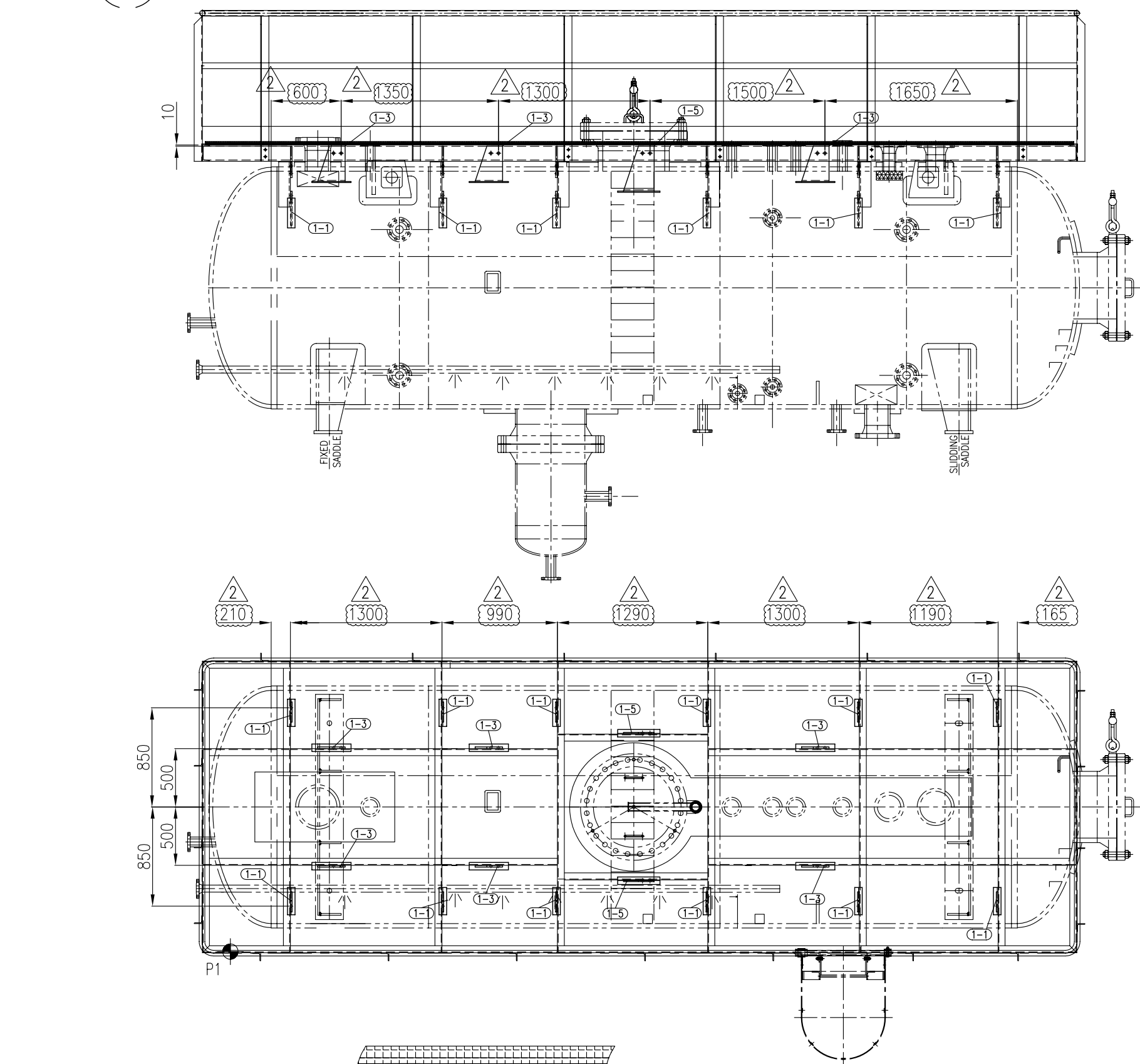




BILL OF MATERIALS						
NO.	PARTICULARS	RQD		WEIGHT (Kg)		REMARK
		MAIN	SPA.	UNIT	TOTAL	
1-1	PL. 15 x 173 x 291	12		6	72	ST 37-2
1-2	PL. 10 x 65 x 378	12		2	24	SA 516-70N
1-3	PL. 15 x 236 x 302	6		8	48	ST 37-2
1-4	PL. 10 x 65 x 336	6		1.5	9	SA 516-70N
1-5	PL. 15 x 263 x 385	2		10	20	ST 37-2
1-6	PL. 10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

- ALL DIMENSIONS ARE MM UNLESS OTHERWISE NOTED.PROJECT SPECIFICATION.
- ALL SHARP CORNERS & BURRS SHALL BE REMOVED BEFORE FINAL SURFACES COATING.
- 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~~
- 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.
- UNLESS OTHERWISE SPECIFIED ALL FILLET WELDS SHALL BE 0.7 OF THICKENERS PART OF THE WELDED JOINT.
- 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~~
- ALL BOLTS & NUTS SHALL BE HOT DIP GALVANIZED.

02	04-Dec-2019	Issued for Approval	A.Rabeie	A.Ghorbani	M.Jafari	
01	25-Sep-2019	Issued for Approval	A.Rabeie	A.Ghorbani	M.Jafari	
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:

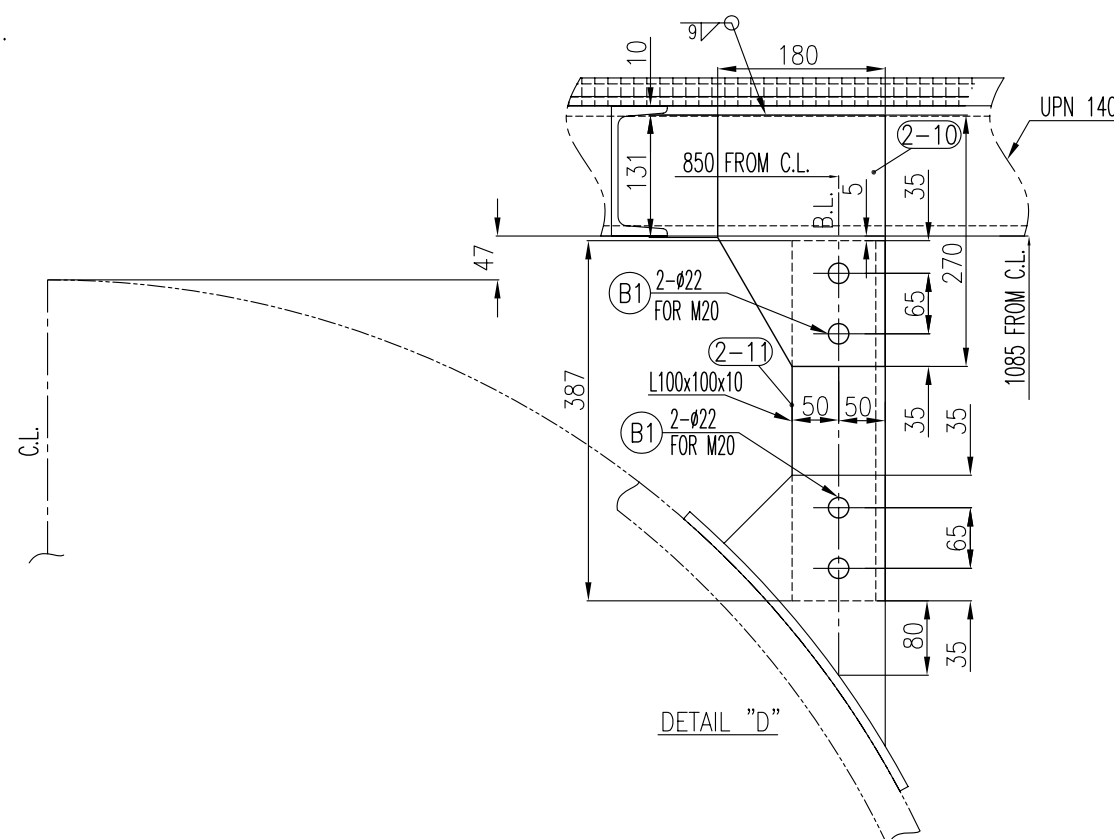
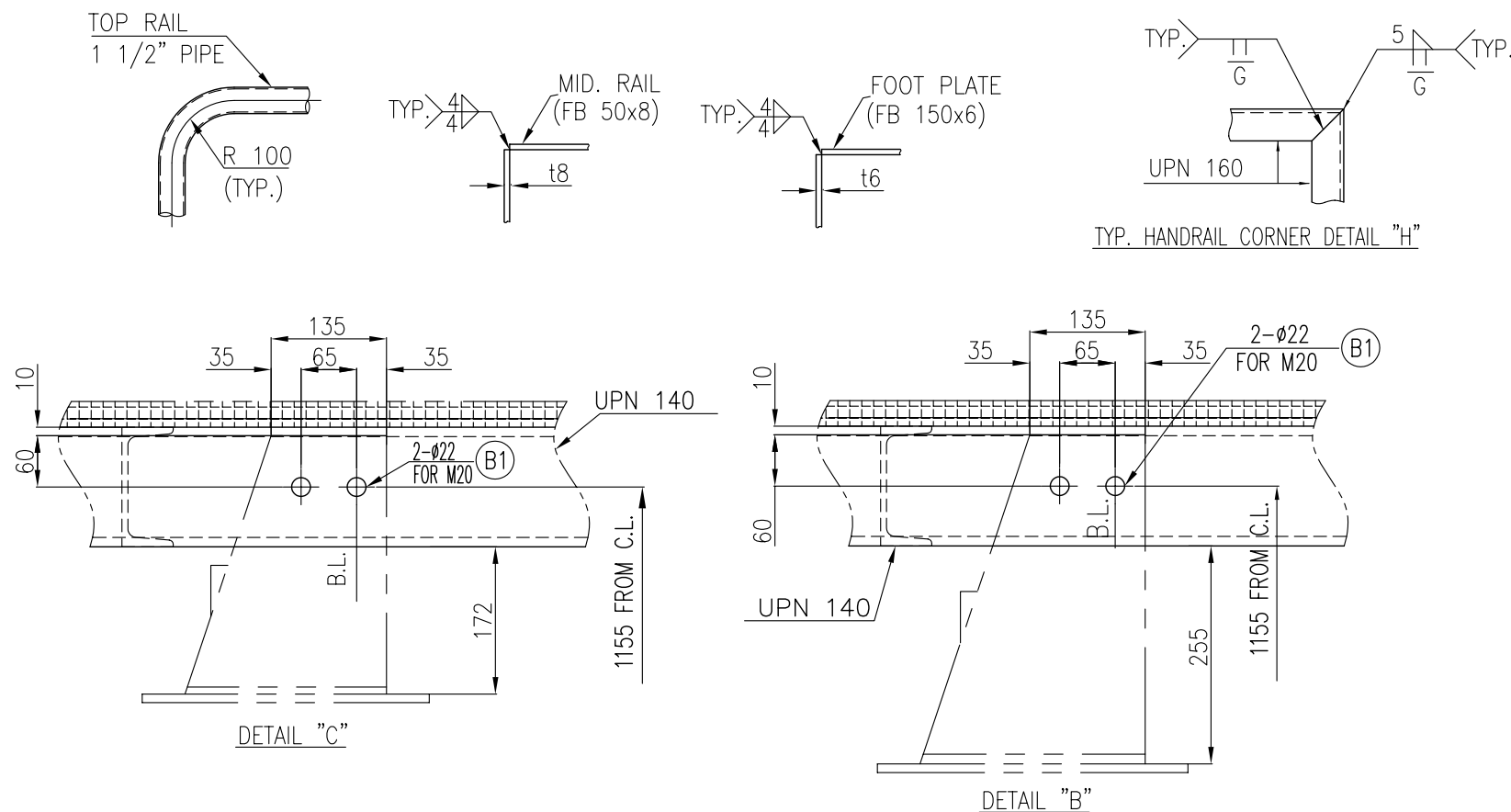
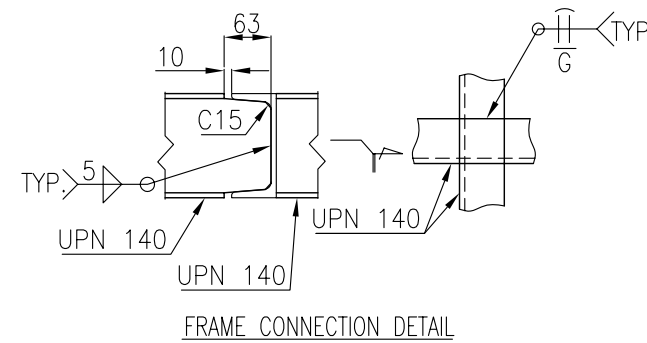
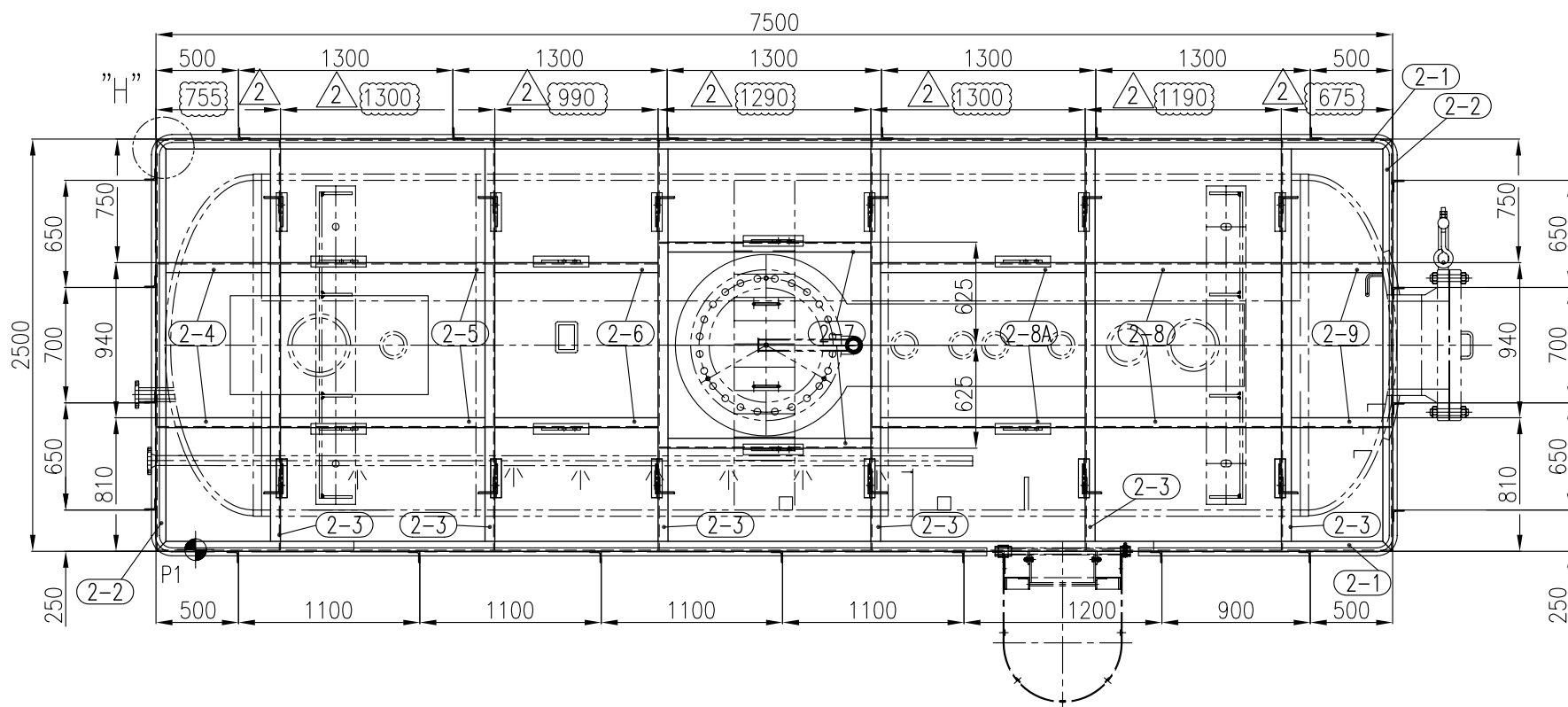
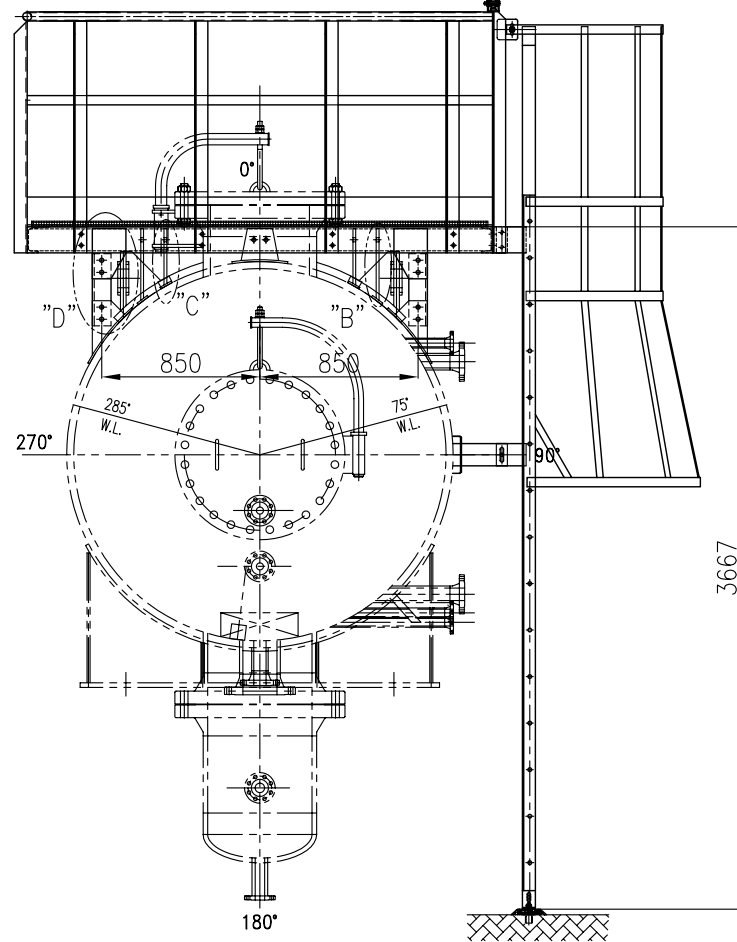
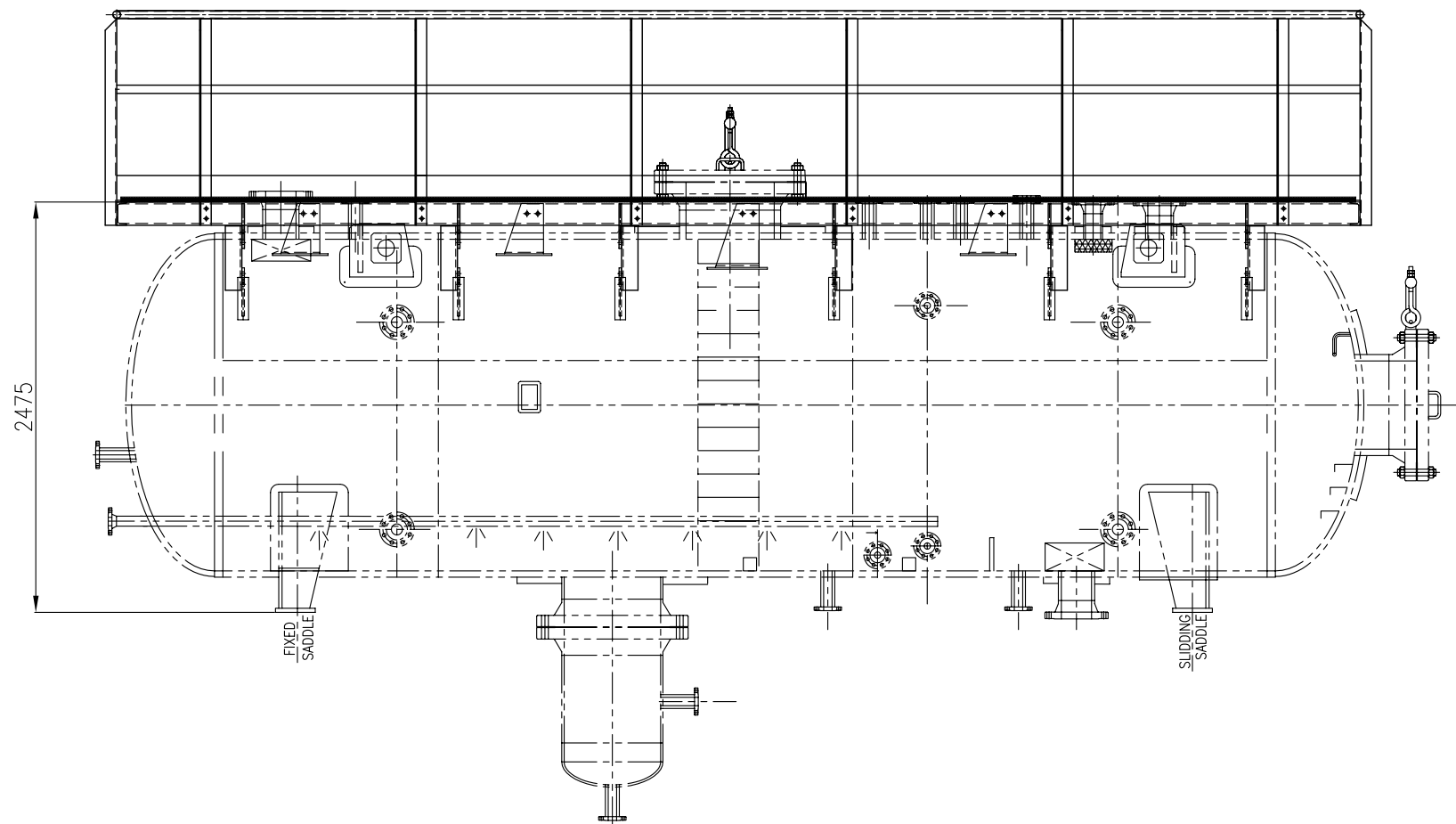


PROJECT TITLE:
SOUTH & NORTH GAS OIL SEPARATION PLANT(N-GOSP & S-GOSP)
AND TRANSFER LINE TO CTEP PROJECT (EPCC)

FACILITIES: SURFACE PRODUCTION FACILITIES

DRAWING TITLE:
**LADDER & PLATFORM (CLIPS)
FOR (SE-60015100)**

SCALE		SIZE		CLASS		
1/40		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-NGOSP-ME-DWVD-0807-02				VD-V090-0108-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01-PV	NGOSP	ME	DWVD	0807	02	1/5



BILL OF MATERIALS						
NO.	PARTICULARS	RQD		WEIGHT (Kg)		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.
- 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
- 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.

MANGEMENT CONTRACTOR:



CLIENT:



CONTRACTOR:



PROJECT TITLE:

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

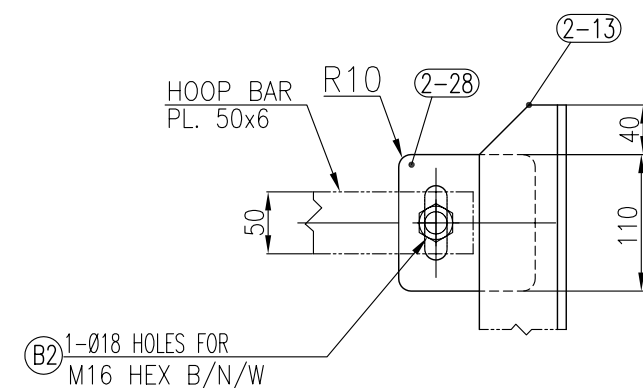
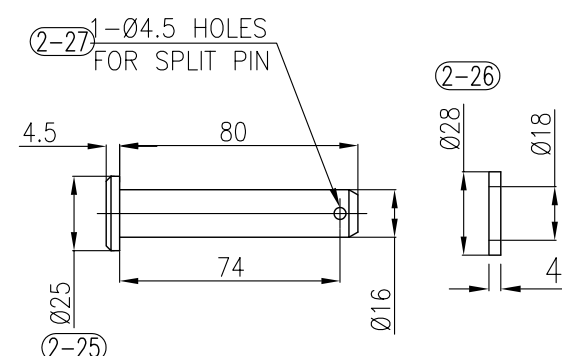
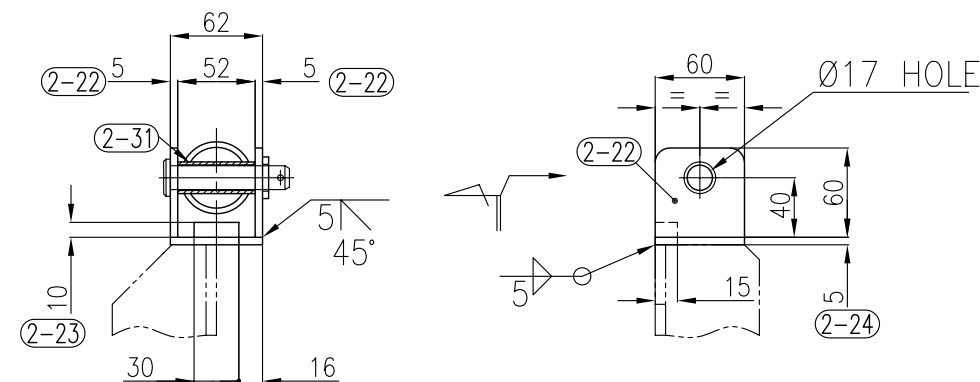
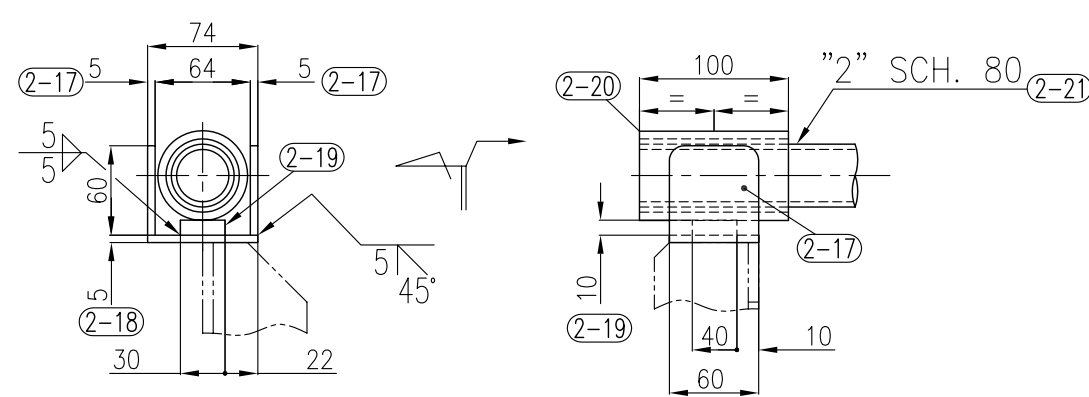
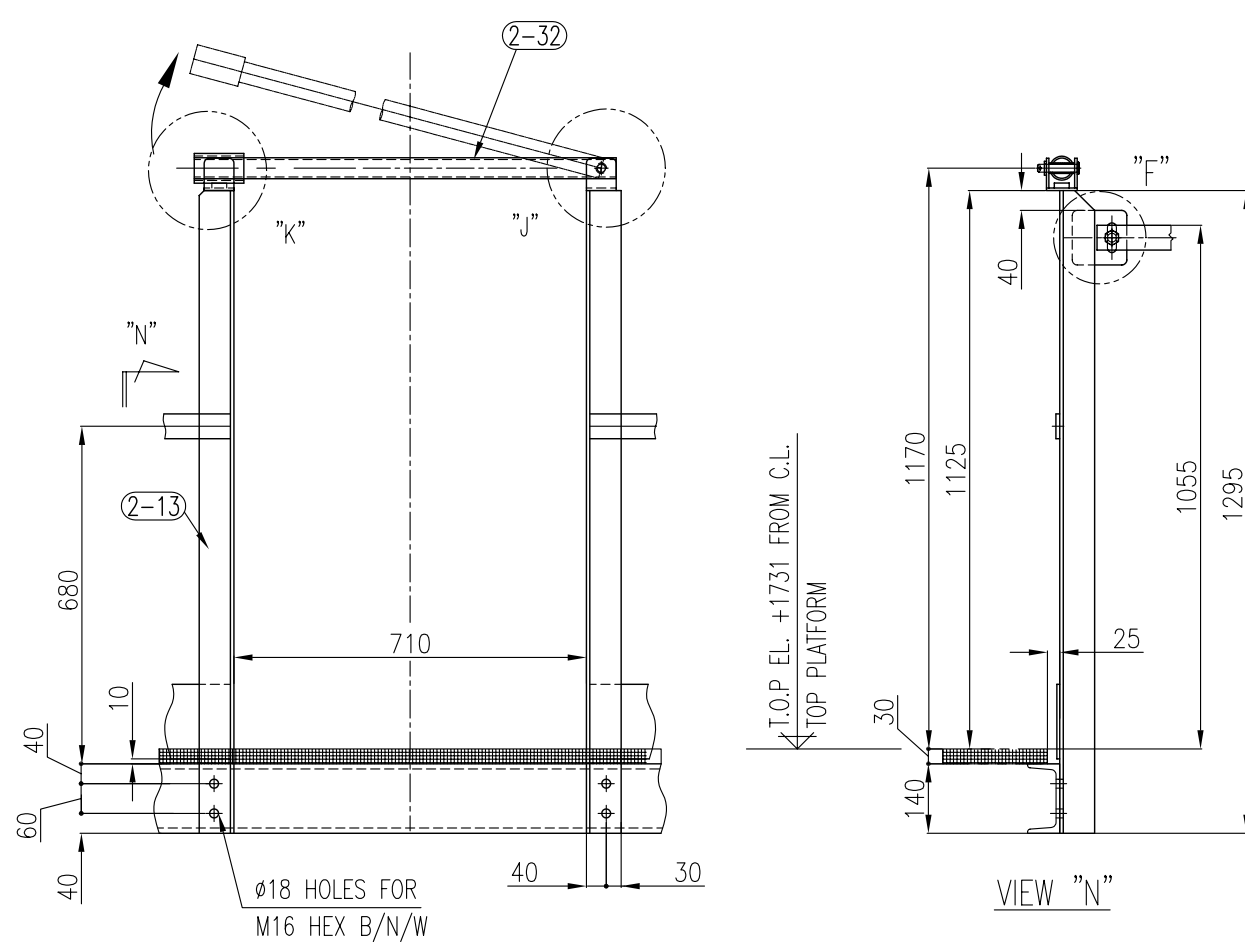
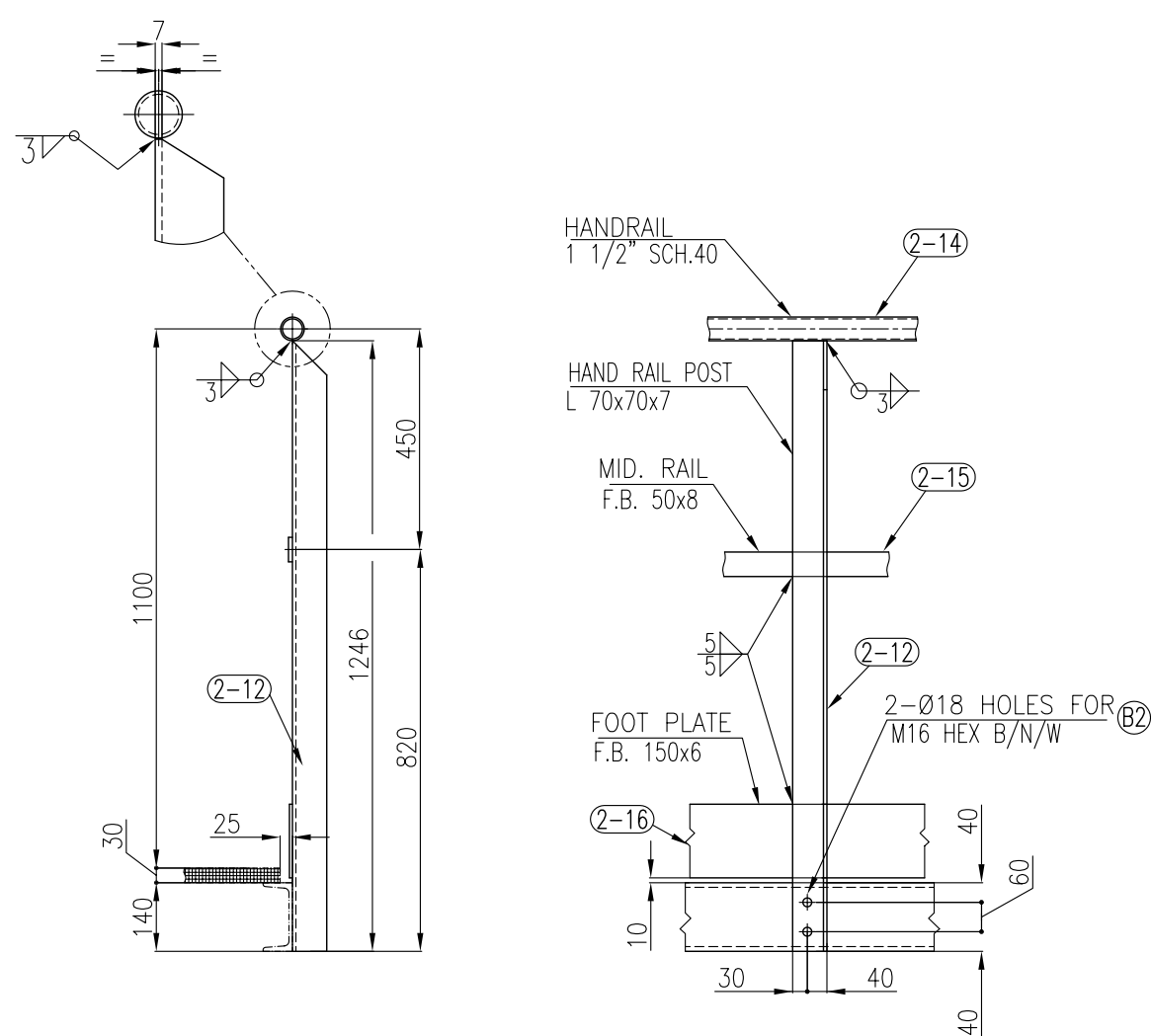
FACILITIES:

SURFACE PRODUCTION FACILITIES

DRAWING TITLE:

LADDER & PLATFORM (PLATFORM)
FOR (SE-60015100)

SCALE		SIZE		CLASS		
1/40		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-NGOSP-ME-DWVD-0807-02				VD-V090-0108-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01-PV	NGOSP	ME	DWVD	0807	02	2/5



BILL OF MATERIALS							
NO.	PARTICULARS	ROD		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	

AS BUILT

WEIGHT PER 1 SET : 1640 Kg
NUMBER OF SETS : 1
TOTAL WEIGHTS : 1640 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 2
- 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. 2
- 10- ALL BOLTS & NUTS SHALL BE HOT DIP GALVANIZED.

02	04–Dec–2019	Issued for Approval	A.Rabeie	A.Ghorbani	M.Jafari	
01	25–Sep–2019	Issued for Approval	A.Rabeie	A.Ghorbani	M.Jafari	
00	06–May–2019	Issued for Approval	A.Rabeie	A.Ghorbani	M.Jafari	
Rev.	Date	Status	Prep.	Chk.	App.	R.S.

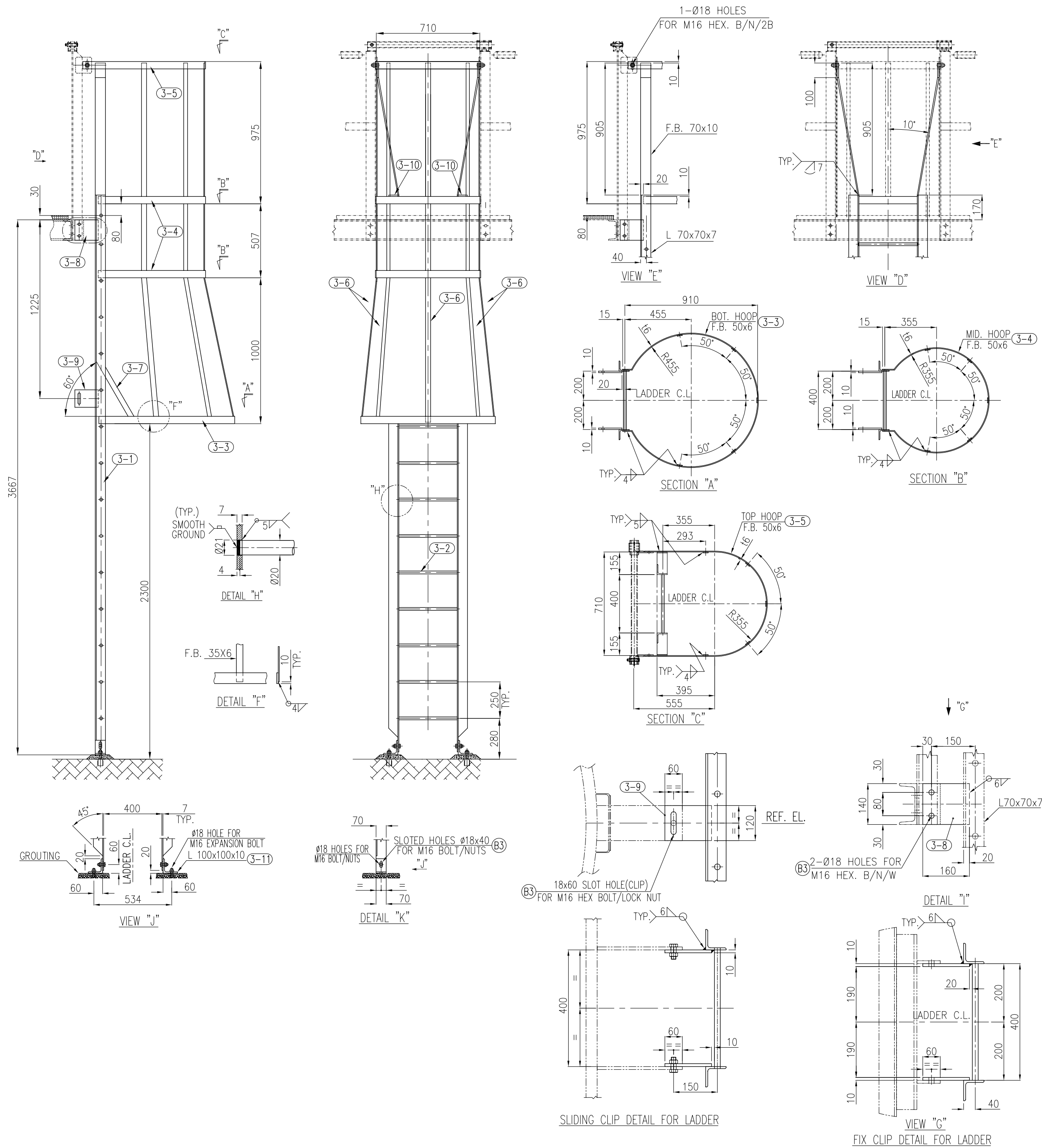
MANAGEMENT CONTRACTOR:  Petropars Ltd.	CLIENT:  PEDEC
CONTRACTOR:  AZARAB IN.CO	

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-60015100)

SCALE		SIZE		CLASS		
1/30		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-NGOSP-ME-DWVD-0807-02				VD-V090-0108-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01-PV	NGOSP	ME	DWVD	0807	02	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.
- ALL SHARP CORNERS & BURRS SHALL BE REMOVED BEFORE FINAL SURFACES COATING.
- ALL SURFACES SHALL BE COATED AS PER PROJECT SPECIFICATION.
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- 5-DELETED
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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)

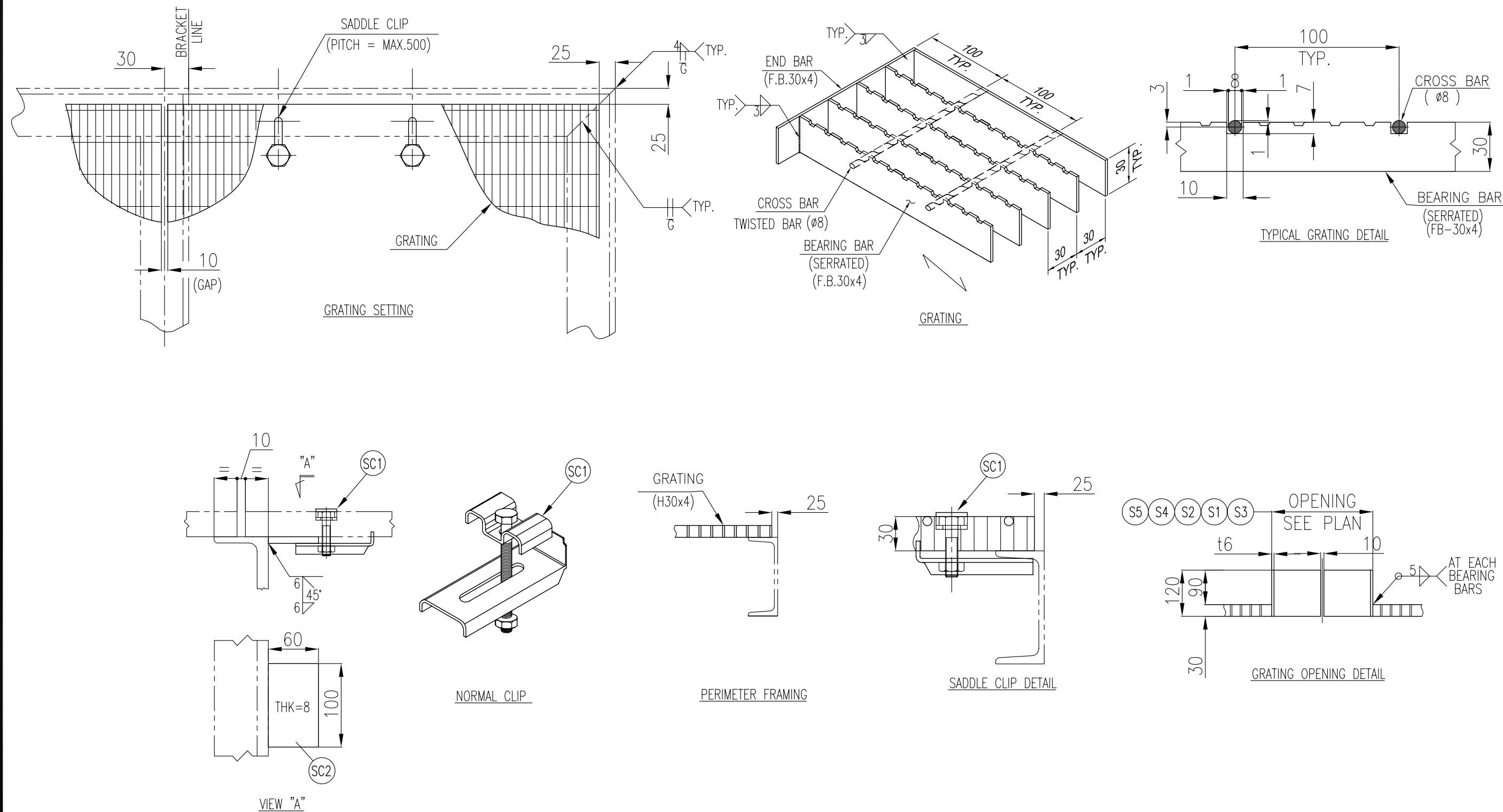
FACILITIES:

SURFACE PRODUCTION FACILITIES

DRAWING TITLE:

LADDER & PLATFORM (LADDER)
FOR (SE-60015100)

SCALE		SIZE		CLASS		
1/40		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-NGOSP-ME-DWVD-0807-02				VD-V090-0108-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01 –PV	NGOSP	ME	DWVD	0807	02	4/5



WEIGHT PER 1 SET : 600 Kg
NUMBER OF SETS : 1
TOTAL WEIGHTS : 600 Kg

NOTES

- 1- ALL DIMENSIONS ARE MM UNLESS OTHERWISE NOTED.PROJECT SPECIFICATION.
- 2- ALL SHARP CORNERS & BURRS SHALL BE REMOVED BEFORE FINAL SURFACES COATING.
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BOLT: A325, NUT: A563, WASHER: F436
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Rev.	Date	Status	Prep.	Chk.	App.	R.S.



Petropars Ltd



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

SURFACE PRODUCTION FACILITIES

LADDER & PLATFORM (GRATING) FOR (SE-60015100)

SCALE		SIZE		CLASS		
1/30		A2		A		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
DOCUMENT NUMBER : SA01-PV-NGOSP-ME-DWVD-0807-02				VD-V090-0108-007		SHEET
PROJECT/SUB PRO.	SCOPE	DISCIPLINE CODE	DOCUMENT CODE	SEQUENCE No.	REVISION	
SA01-PV	NGOSP	ME	DWVD	0807	02	5/5