



**OIL AND GAS DEVELOPMENT COMPANY LIMITED
NASHPA OIL & GAS FIELD (for Wali Plant)**

SCHEDULE OF REQUIREMENT

TENDER ENQUIRY # TE/EPF/007/2022

S#	Description	Reference #	Rate	Total rate (inclusive of all Taxes)	Deviation
1	As per attached Scope of Work				

SCOPE OF WORK

1. Erection of pipe supports for all process and utility pipe lines. The scope includes fabrication, assembly, and installation of supports. Further detail of scope is attached as Annex-A
2. Construction of plant access structures such as ladders, walkways, platforms, railings, cross-overs etc. The scope includes fabrication, assembly, & installation of aforementioned structures. Scope is attached as Annex-B
3. Development of Instrument Air Package. Scope is attached as Annex-C
4. Installation & removal of commissioning blinds. List of Commissioning Blinds is attached as Annex-D
5. Installation & removal of commissioning strainers. List of Commissioning Strainers is attached as Annex-E
6. Commissioning of process vessels & equipment. Scope is attached as Annex-F

TERMS AND CONDITIONS

1. All bidders should carefully read TOR's attached with the Tender documents before submission of Bid.
2. The location of concerned project is in FR Lakki, KPK.
3. Bidders will provide previous relevant experience along with bid. A minimum 10 years' of relevant experience is mandatory.
4. Contractor must provide prior experience certificates of its Supervisors, Welders & Fabricators.
5. Certified Riggers with valid, current & traceable certificates from a reputable firm are mandatory for the execution of job. In case certificates are not acceptable to OGDCL for any reason, Contractor is bound to replace the personnel without any delay
6. Contractor should ensure the police verification of all manpower direct and indirect and must have bio-data file of each.
7. All Kind of Equipment, Tools & Consumables (Welding Electrodes, Cutting/Grinding discs etc.) will be in Contractor's scope.
8. Valid Third Party Certification of Lifting equipment from a reputable firm will be accepted only. Certificates shall be traceable and in case of non-compliance Contractor will be bound to replace the same without any delay.
9. Contractor will provide all kind of PPE's to its labor.
10. Contractor is to abide by all safety Rules and Regulations of OGDCL.
11. Lodging and messing will be in contractor's scope.
12. Utilities like Electricity and Water will be in contractor's scope,
13. Security of the personnel / equipment of the contractor at site shall not be OGDCL's responsibility.
14. After issuance of formal work order, Contractor is to provide services immediately or at a date mentioned by OGDCL.
15. OGDCL reserves the right to inspect, stop and advise rework for any job either during execution or after execution, if deemed necessary by the Company's representative

based on NDT reports, quality of the job, finish of the job or if the job is not being or have been performed in line with the best engineering practices. In this regard the rework will be in Contractor's Scope.

16. If during execution of work, some minor on-skid dismantling work is required in order to ensure safe loading/ unloading, this will be in Contractor's scope
17. Payment will be made through Cross cheque or IBFT. The supplier to provide 24-digit IBAN for its registered bank account on its letterhead.
18. Partial Payments will not be made, in any case.
19. Management of the plant reserves the right to curtail the job list or terminate the services of any hired staff at any time without any reason.

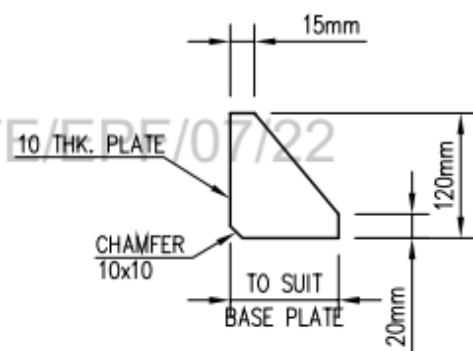
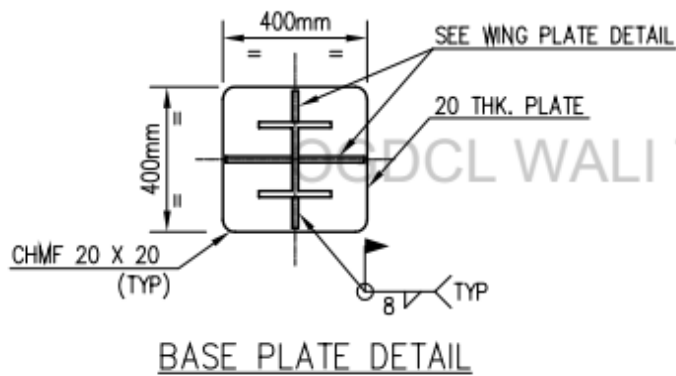
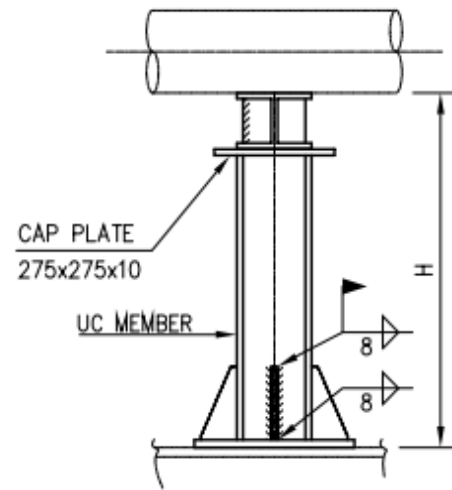
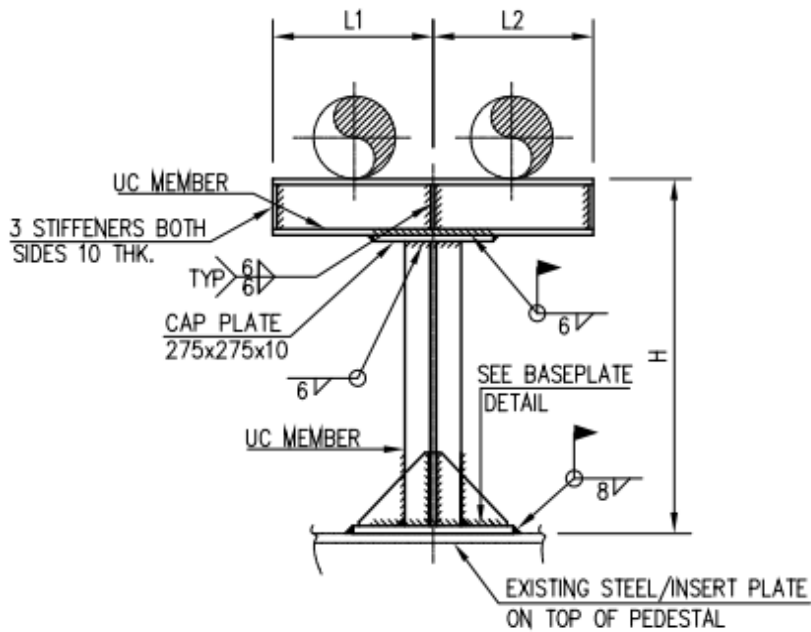
Document No. **Annex-A**

Document Title: **Scope of Construction of Pipe Supports**

Reference Document: **TE/EPF/007/2022**

1. 60 nos. supports to be constructed of TEE POST type. Exact Height of the support will subject to requirement as per site conditions. Drawing attached as Annex-A.1
2. 60 nos. supports to be constructed of GOAL POST type. Exact Height of the support will subject to requirement as per site conditions. Drawing attached as Annex-A.2

ANNEX-A.1: CONSTRUCTION DRAWING OF PIPE SUPPORT TEE POST TYPE

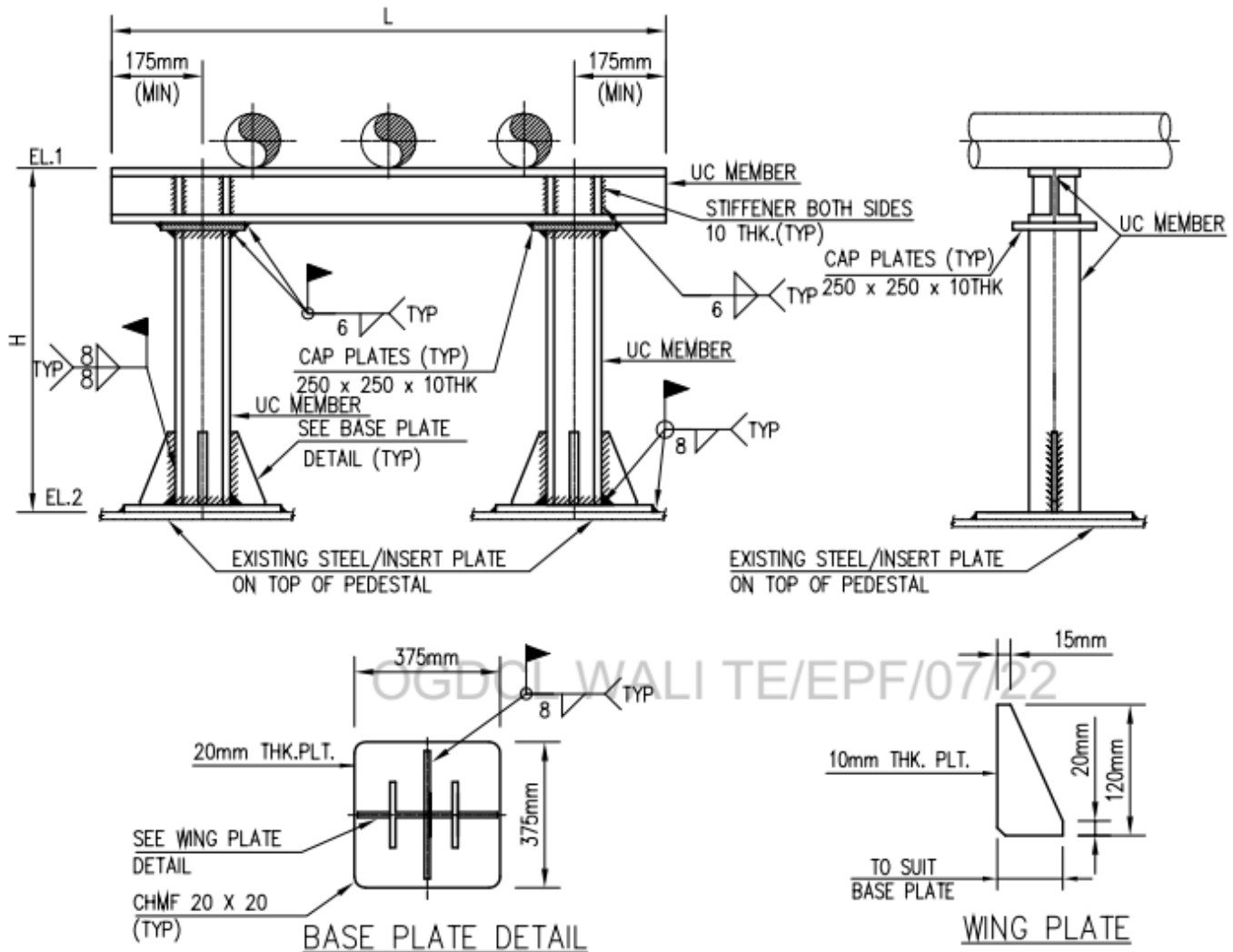


MEMBER SIZE	H (mm) (NOTE-1)	L1+L2 (mm) (NOTE-1)	MAX. VERTICAL LOAD (KN)
150x150x7x10	500	500	60.0
150x150x7x10	1000	750	45.0
150x150x7x10	1250	750	35.0
150x150x7x10	1500	1000	24.0
150x150x7x10	1750	1250	20.0
200x200x8x12	2500	1500	20.0

NOTES:

1. UNLESS OTHERWISE NOTED ALL THE DIMENSIONS ARE IN mm.

ANNEX-A.2: CONSTRUCTION DRAWING OF PIPE SUPPORT GOAL POST TYPE



MEMBER SIZE	H (mm) (NOTE-1)	L (mm) (NOTE-1)	MAX. VERTICAL LOAD (KN)
150x150x7x10	500	750	35.0
150x150x7x10	1000	1250	27.0
150x150x7x10	1250	1500	21.0
150x150x7x10	1500	1750	15.0
150x150x7x10	1750	2250	12.0
150x150x7x10	2500	3000	10.0
150x150x7x10	3000	3000	10.0

NOTES:

1. UNLESS OTHERWISE NOTED ALL THE DIMENSIONS ARE IN mm.

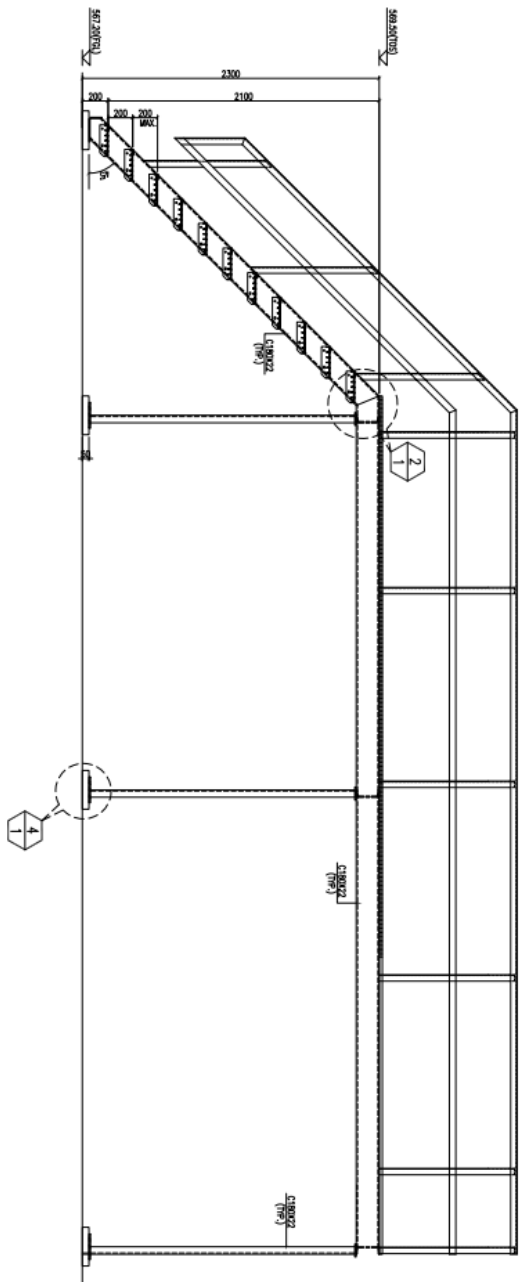
Document No. **Annex-B**

Document Title: **Scope of Construction of Steel Structure**

Reference Document: **TE/EPF/007/2022**

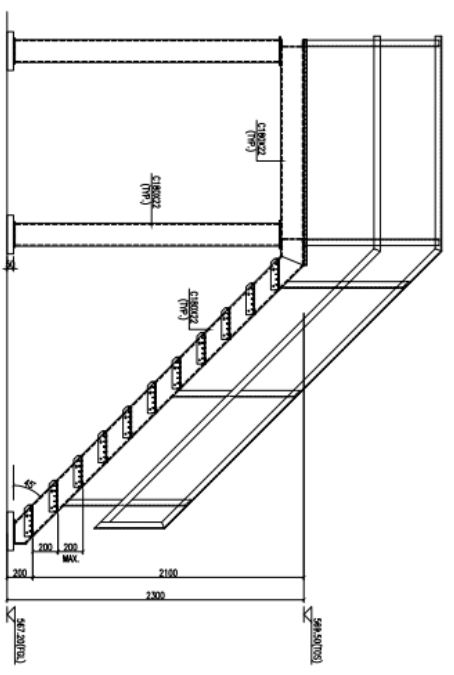
1. 10 nos. platforms to be constructed as per drawing attached as Annex-B.1.
2. 05 nos. pipe cross-over to be constructed as per drawing attached as Annex-B.2
3. 05 nos. monkey ladders to be constructed and installed as per drawing attached as Annex-B.3
4. Drawing of grating for Platform and Cross-Over is attached as Annex-B.4

ANNEX-B.1: Construction Drawing of Crossover Platform
Reference Document: TE/EPF/007/2022

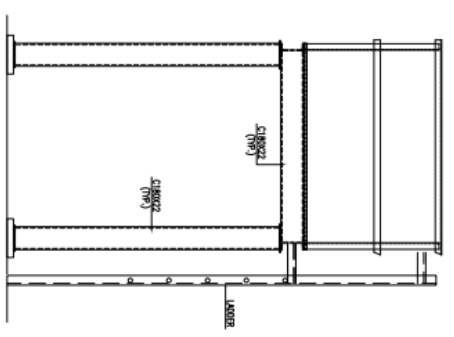


SECTION A
SCALE 1:50

OGDCL WALL TE/EPF/07/22



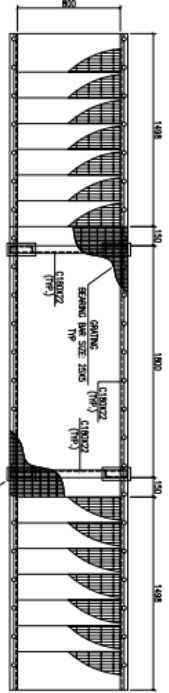
SECTION B
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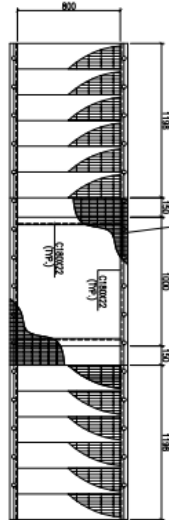
SECTION C
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Annex-B.2: Construction Drawing of Cross Over

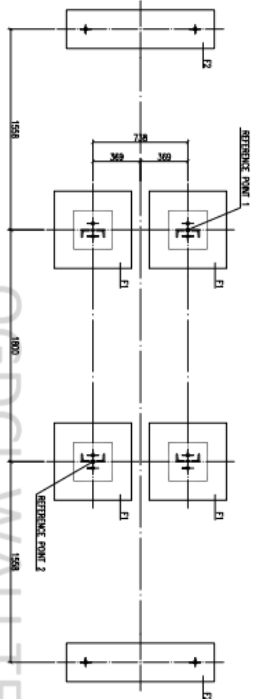
Reference Document: TE/EPF/007/22



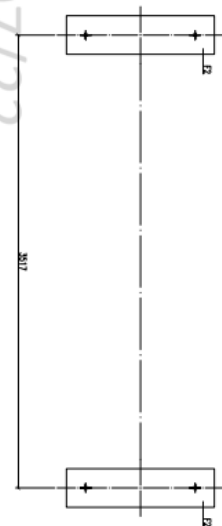
PLATFORM 6/1~3
SCALE 1:50



PLATFORM 7/1~3
SCALE 1:50



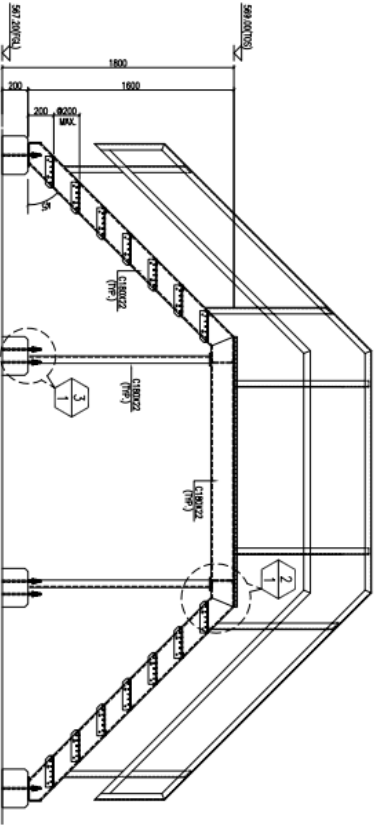
PLATFORM 6/1~3 FOUNDATION PLAN
SCALE 1:50



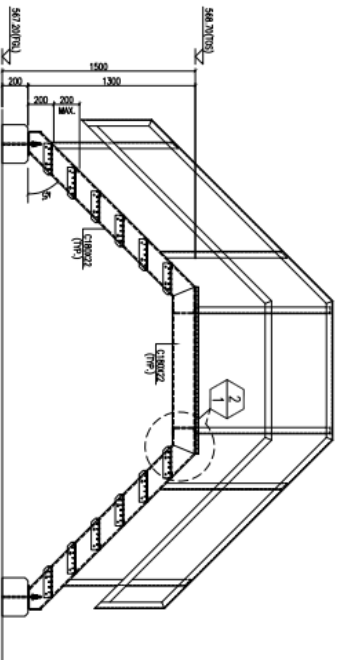
PLATFORM 7/1~3 FOUNDATION PLAN
SCALE 1:50

PILE NO.	REFERENCE PILE 1	REFERENCE PILE 2
PLATFORM 6/1	M-S082164.00 E=71420.25	M-S082164.00 E=71420.25
PLATFORM 6/2	M-S082164.00 E=71420.25	M-S082164.00 E=71420.25
PLATFORM 6/3	M-S082164.00 E=71420.25	M-S082164.00 E=71420.25

PILE NO.	REFERENCE PILE
PLATFORM 7/1	M-S082164.00 E=71420.25
PLATFORM 7/2	M-S082164.00 E=71420.25
PLATFORM 7/3	M-S082164.00 E=71420.25



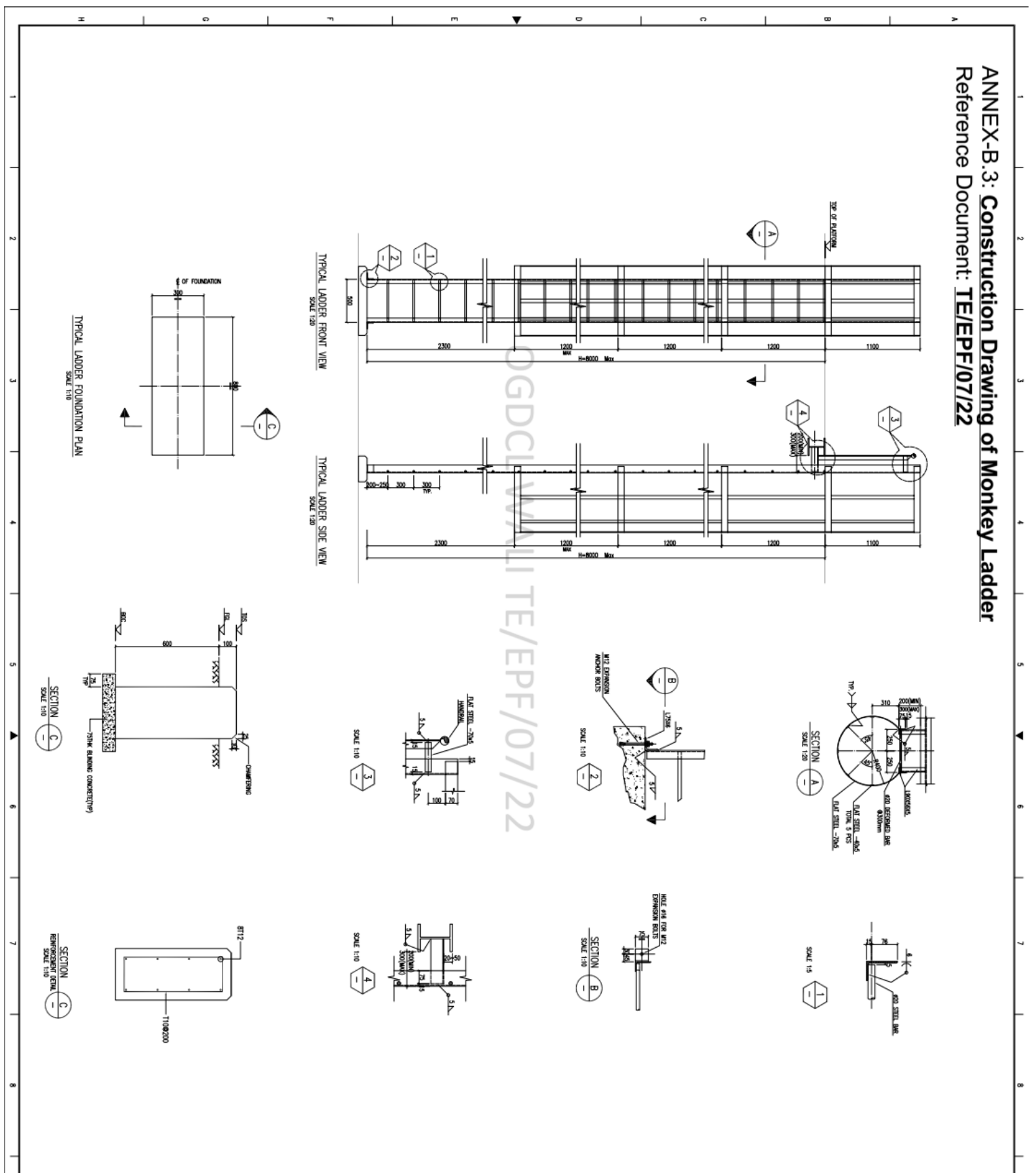
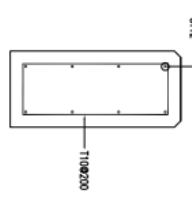
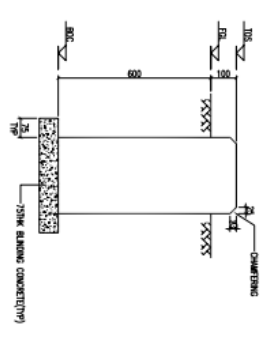
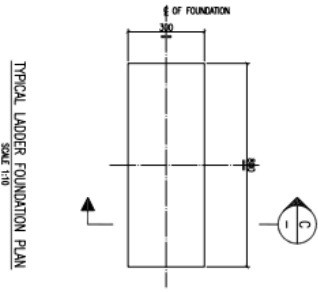
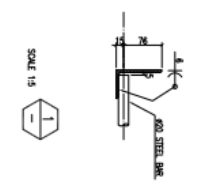
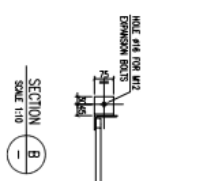
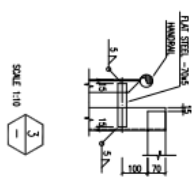
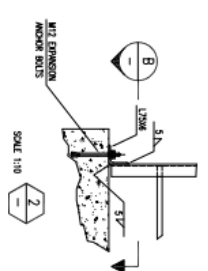
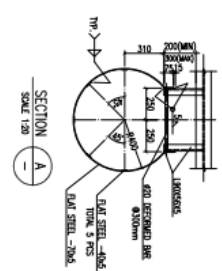
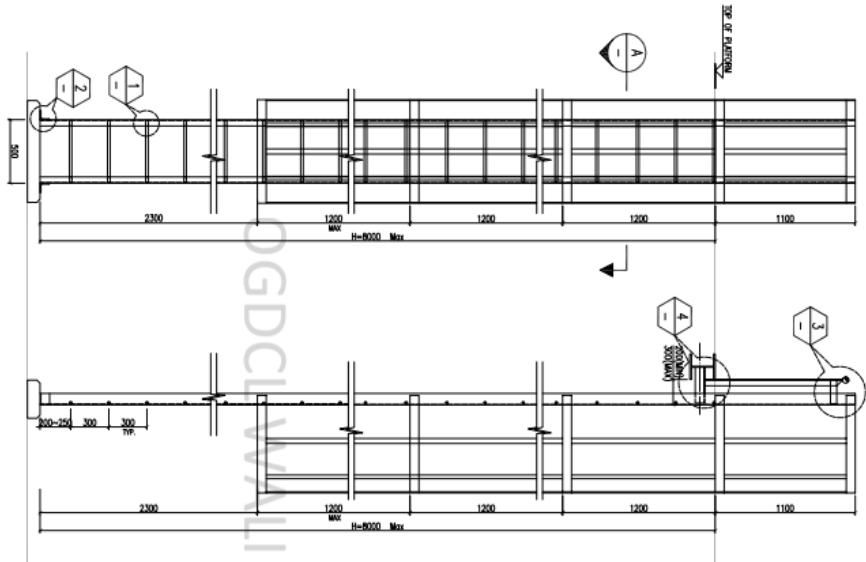
SECTION A
SCALE 1:50



SECTION B
SCALE 1:50

ANNEX-B.3: Construction Drawing of Monkey Ladder

Reference Document: **TE/EPF/07/22**



Document No. **Annex-C**

Document Title: **Scope of Instrument Air Compressor Package Development**

Reference Document: **TE/EPF/007/2022**

1. Hook-up of 02 nos. compressor with plant Instrument Air Header.
2. Hook-up of 02 nos. compressors with Dry gas vessel and Wet gas vessel.
3. Distribution network of instrument air for complete plant including laying and connection of piping. Approximate length is 400 meter.
4. Pipe size is 2" Sch 40 150# and the end connections are threaded NPT. The mating connections must be tightened with Teflon tape or paste as sealant.

Document No. **Annex-D**

Document Title: **List of Commissioning Blinds**

Reference Document: **TE/EPF/007/2022**

Sr No.	Description & Specs	Unit	Qty
1	Blind Flange RF 6" 600# A-105	Nos.	10
2	Blind Flange RF 4" 600# A-105	Nos.	5
3	Blind Flange RF 3" 600# A-105	Nos.	5
4	Blind Flange RF 2" 600# A-105	Nos.	10
5	Blind Flange RF 2" 150# A-105	Nos.	10

Document No. **Annex-E**

Document Title: **List of Commissioning Strainers**

Reference Document: **TE/EPF/007/2022**

Sr No.	Description & Specs	Unit	Qty
1	Cone type line strainer RF 6" 600# A-106	Nos.	15
2	Cone type line strainer RF 4" 600# A-106	Nos.	10
3	Cone type line strainer RF 2" 600# A-106	Nos.	20
4	Cone type line strainer RF 2" 150# A-106	Nos.	10

Document No. **Annex-F**

Document Title: **List of Vessels & Equipment for Commissioning**

Reference Document: **TE/EPF/007/2022**

Sr No.	Equipment/Skid	Dimension Length mm	Dimension Width mm
1	HP Separator Skid	6730	3070
2	MP Separator Skid	5680	2435
3	LP Separator Skid	4910	2470
4	Fuel Gas Scrubber Skid	5640	2400
5	Degasser Vessel	Not available	Not available
6	Inlet Scrubber Skid	10000	1600
7	Coalescer Filter Skid	2360	2350
8	Water Bath Heater Skid	13850	3100
9	Charcoal Guard Bed Filter-A	7203	610
10	Charcoal Guard Bed Filter-B	7203	610
11	Particle Cartridge Filter Skid	2350	407
12	Membrane Skid	13850	4900
13	Feed Gas Cooler Skid	9140	1520
14	Inlet Gas Separator Skid	4575	1520
15	Outlet Separator Skid	3800	900
16	Glycol Sump Tank	4200	2050
17	Dry Gas Vessel	6096	508
18	Wet Gas Vessel	6705	609
19	Flare KO Drum	9753	2440
20	Flare Stack	25300	710
21	Contactator Tower	1981	1981
22	Glycol Regeneration Skid	8535	3200