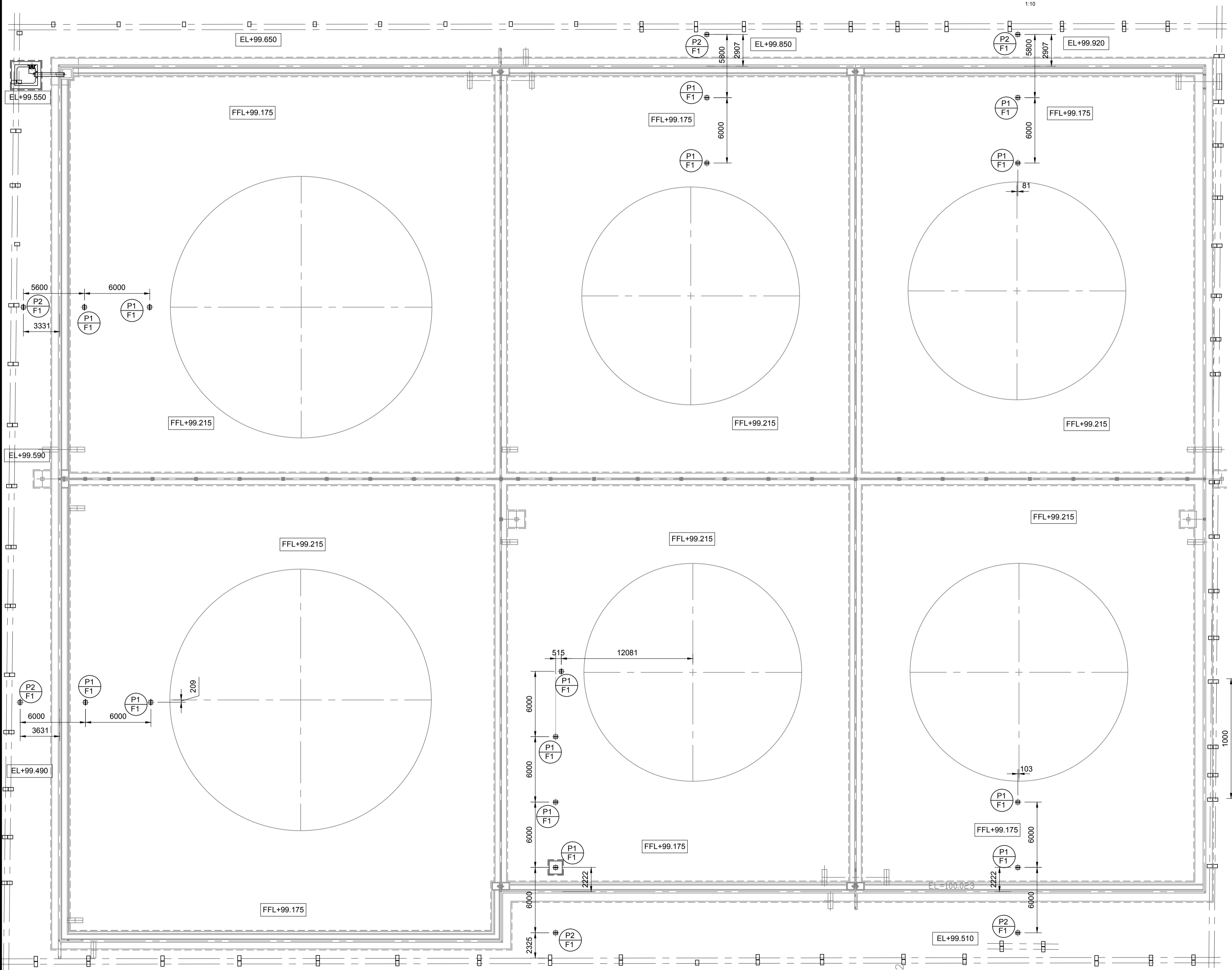
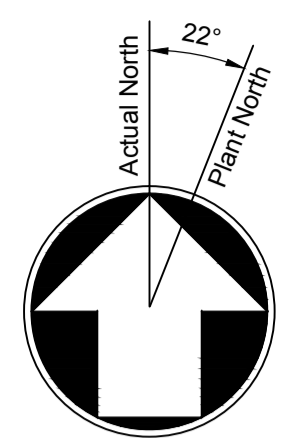
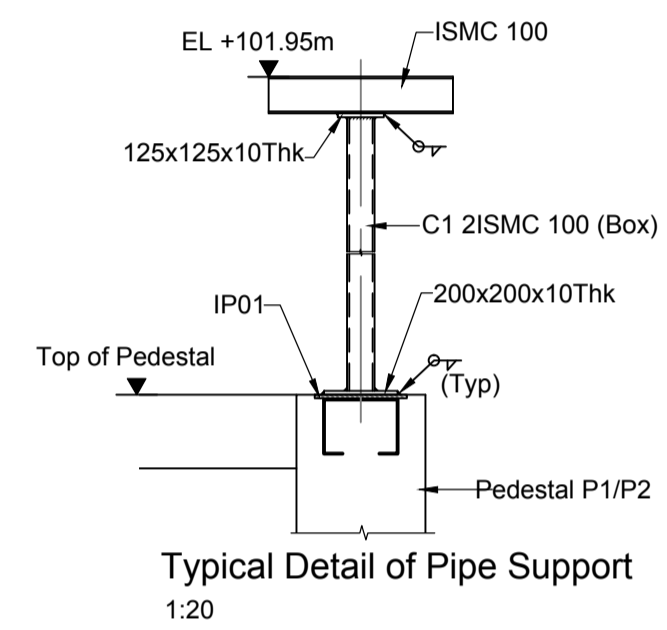


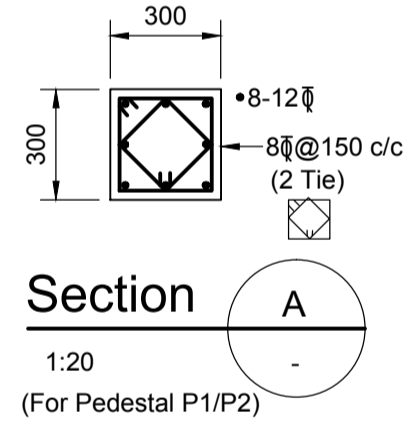
Detail of Insert Plate IP01
1:10



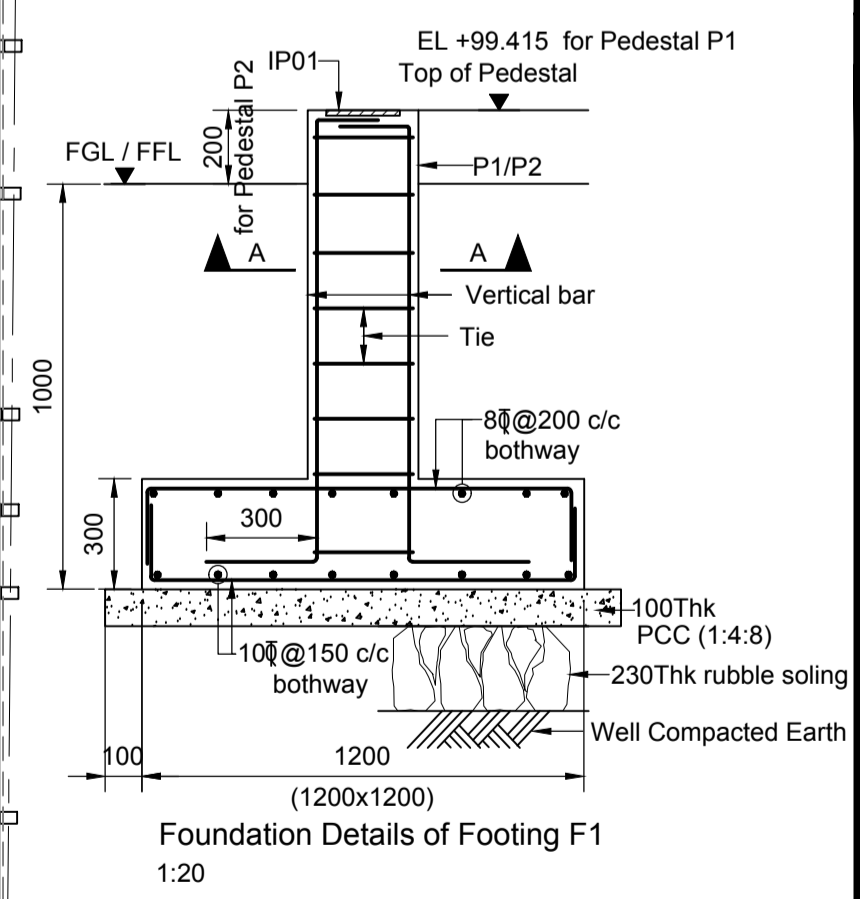
Structural Layout of Pipe Support
1:200



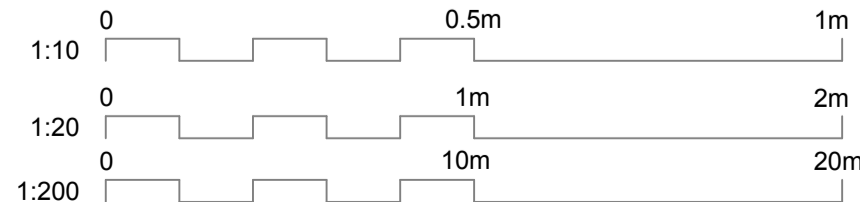
Typical Detail of Pipe Support
1:20



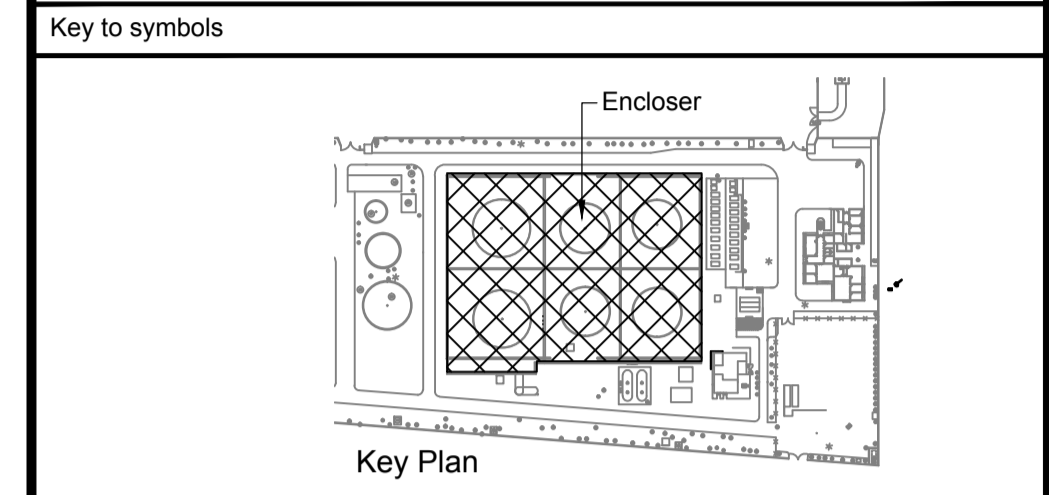
Section A
1:20
(For Pedestal P1/P2)



Foundation Details of Footing F1
1:20



- Notes
- All dimensions are in mm & levels in metre
 - Only written dimension are to be followed
 - Reinforced concrete shall be grade M-25. R/F steel shall be high yield strength deformed bars grade Fe-415 conforming to IS : 1786
 - Clear cover to main reinforcement for different members shall be beams-25mm, columns-40mm pedestal-40mm & Footing - 50mm
Wall = 25mm + 10mm extra below ground level
 - Net safe bearing capacity considered in design is 10.0 t/sq.m at 2.0m or minimum 600 below hard strata
 - FGL corresponds to EL ± 0.00M Lvl.
 - All Shop weld shall be 6mm thk. & field weld shall be 8mm thk. unless otherwise specified.
 - Layout, Dimension & Levels to be Checked with MECH. Drg.



- Abbreviations :
- FGL = Finished Ground Level
 - NGL = Natural Ground Level
 - FFL = Finished Floor Level
 - Thk = Thick
 - RC = Reinforced Concrete
 - Typ = Typical
 - Det = Detail
 - Reinf = Reinforcement
 - EL = Elevation Level

- Reference drawings
- CGA-01 General Notes.
 - CCA-02 Typical Details of Columns, Footings, Beams, Walls etc.
 - CCE-0009-01 Layout & Details of Dyke Wall
 - APA-0001-01 Plot Plan
 - RPA-0904-01 Layout & details of proposed a/g line route for existing MVWS & fixed foam riser to tank.

Rev	Date	Drawn	Description	Ch'k'd	App'd
P1	08.07.15	PRT	Issued for Approval		

A20
Sector 2
Noida
201301
India
T +91 (0)12 0254 3582
F +91 120 254 3562
www.mottmac.com

Client

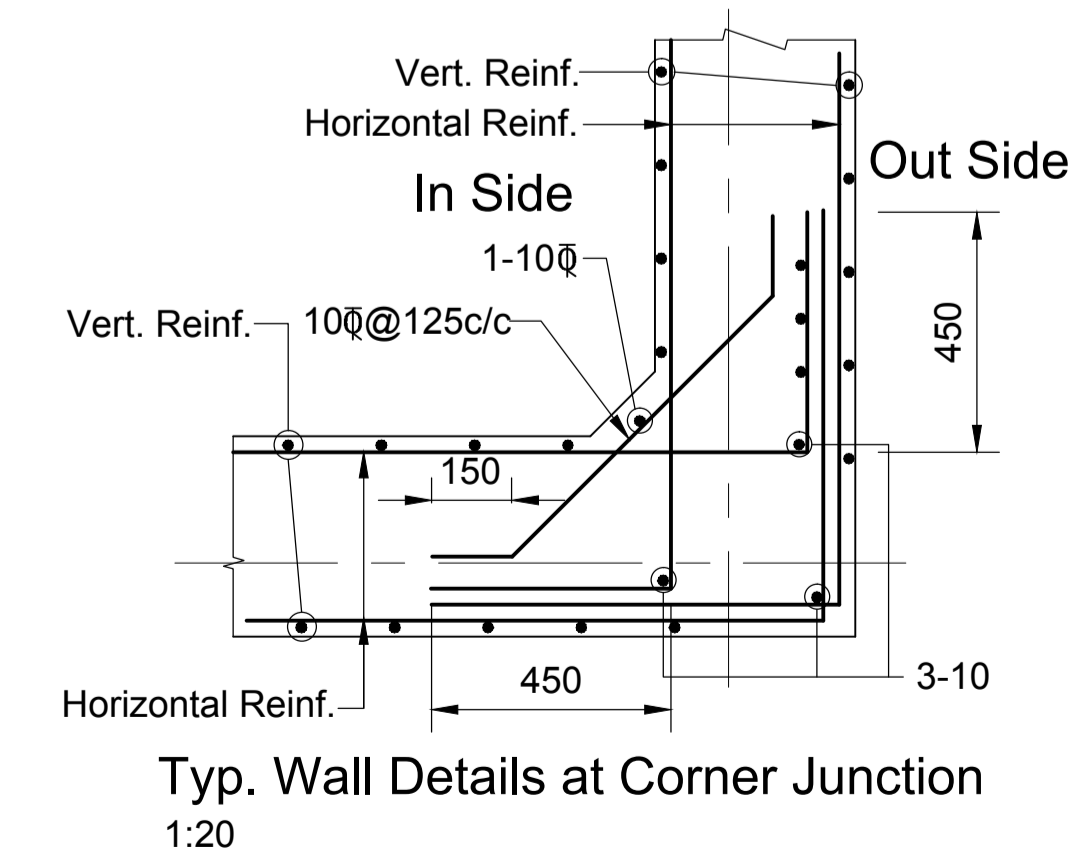
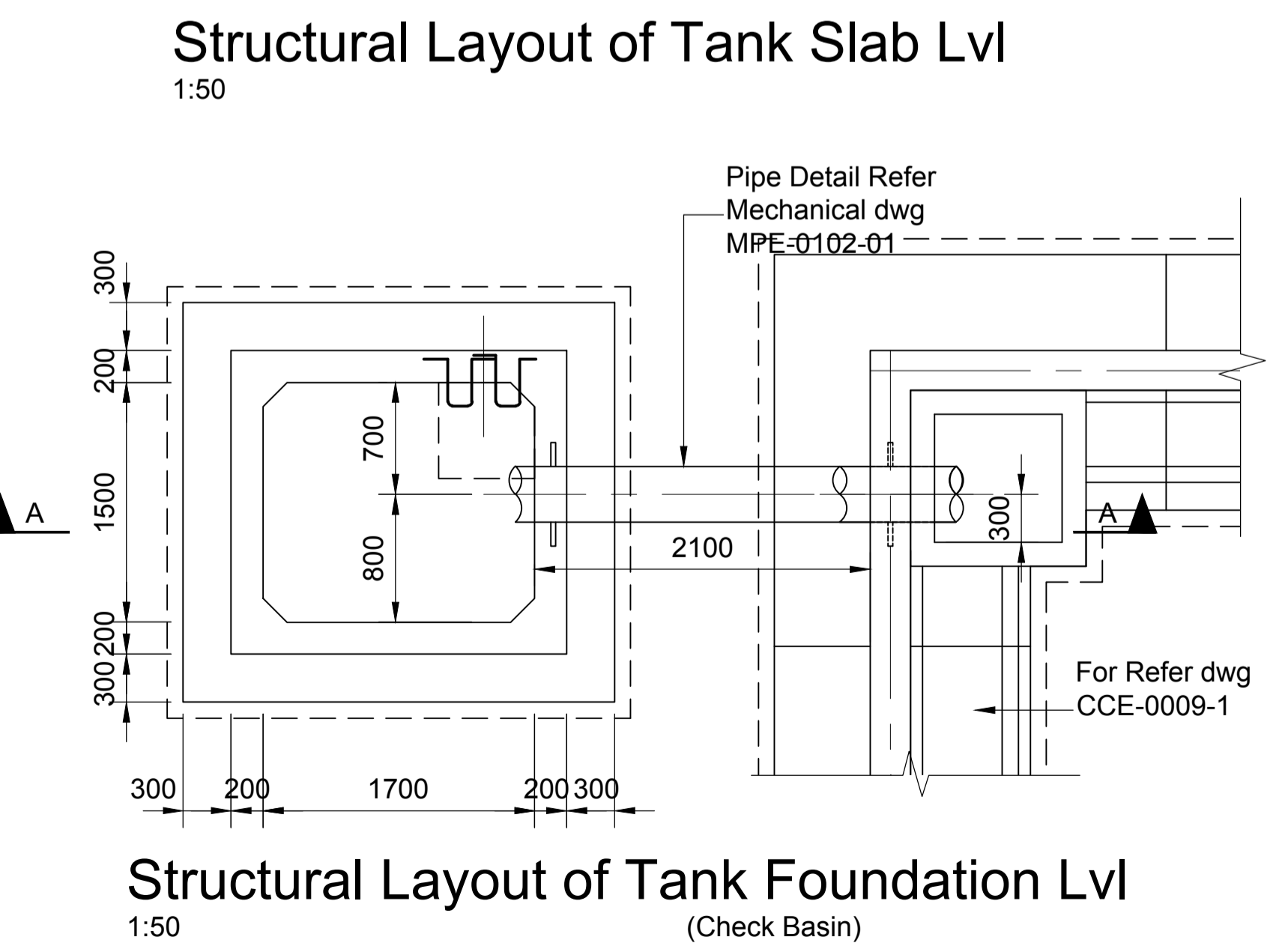
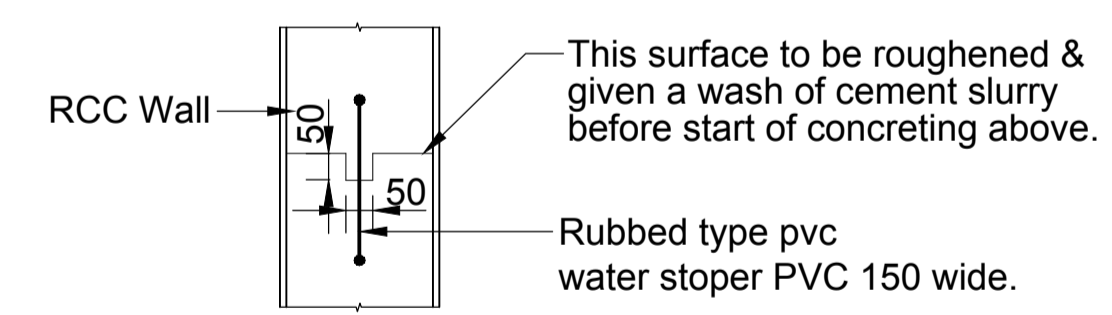
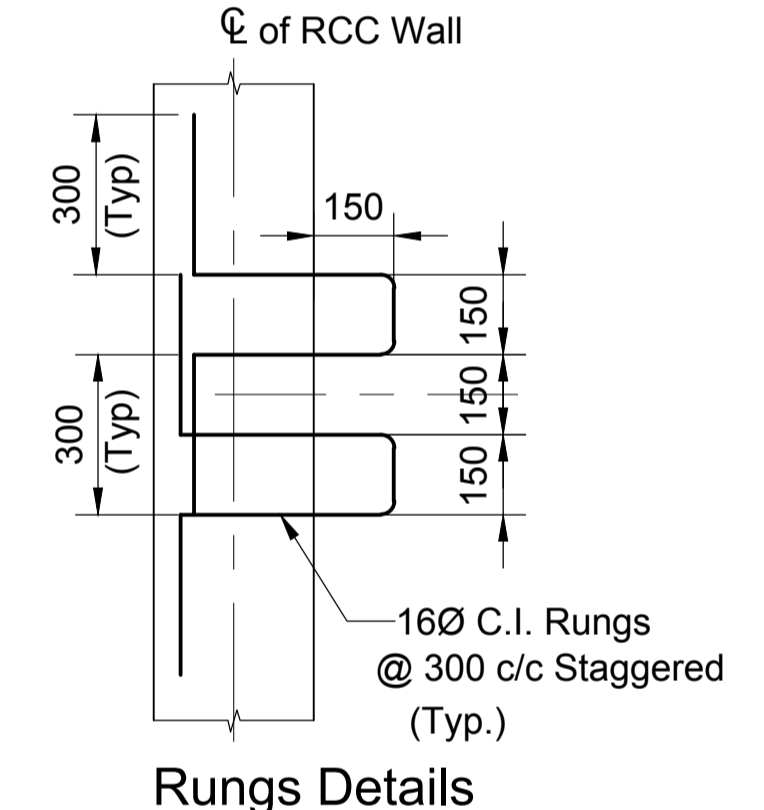
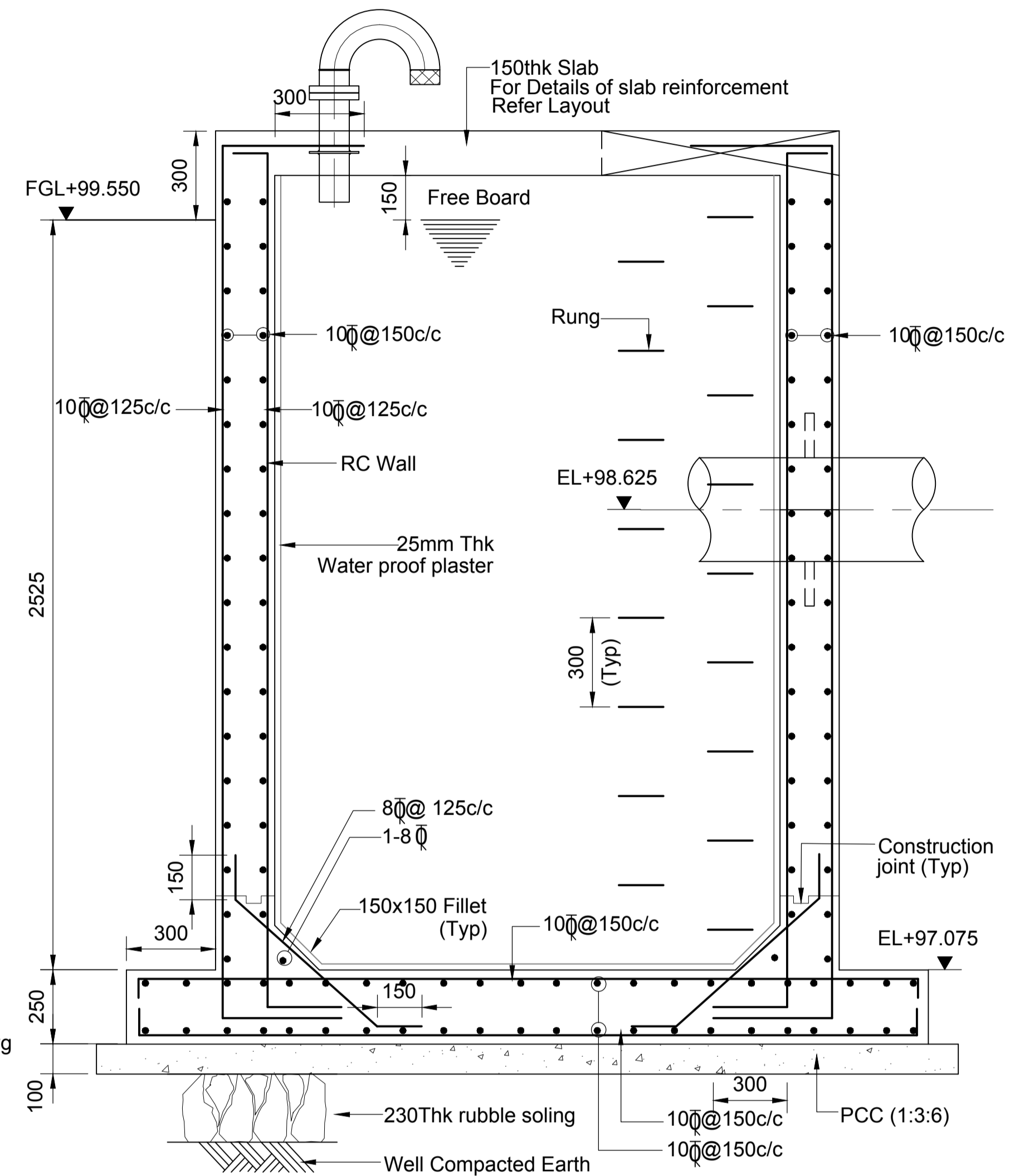
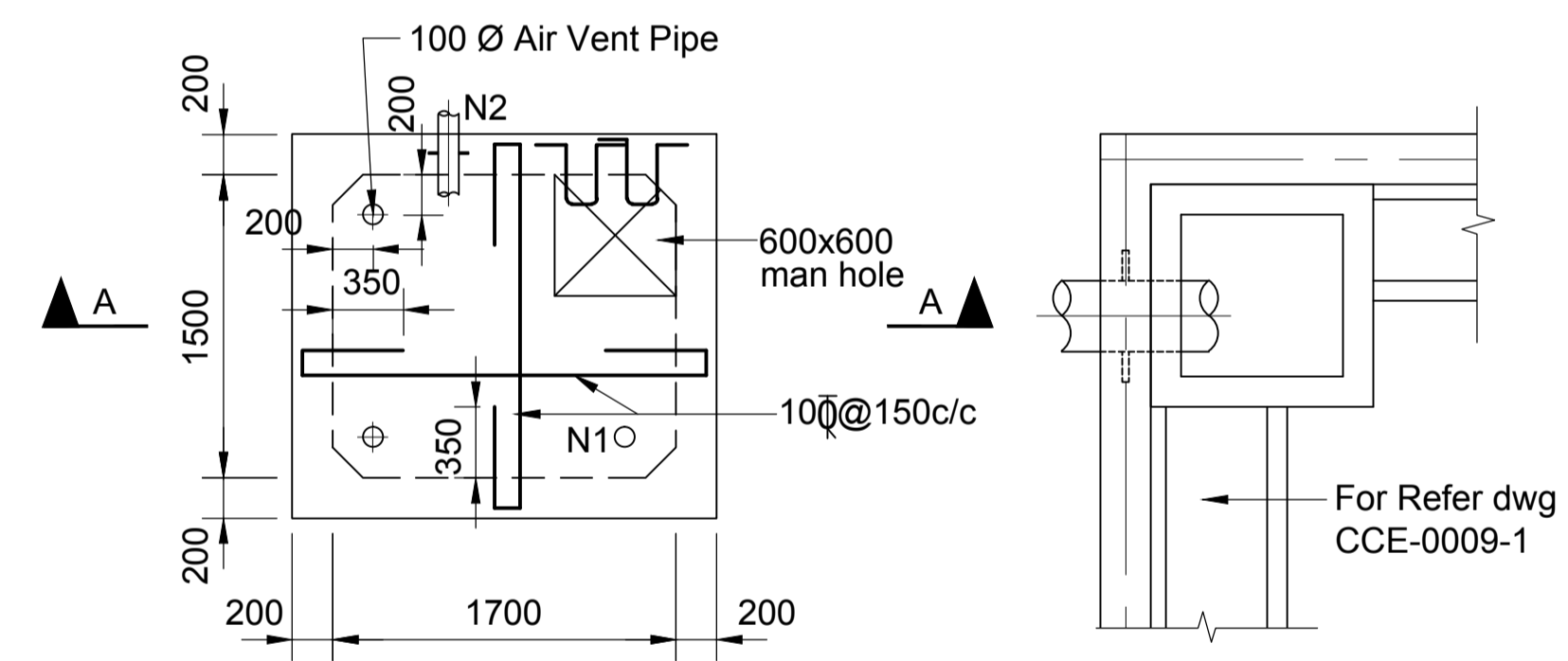
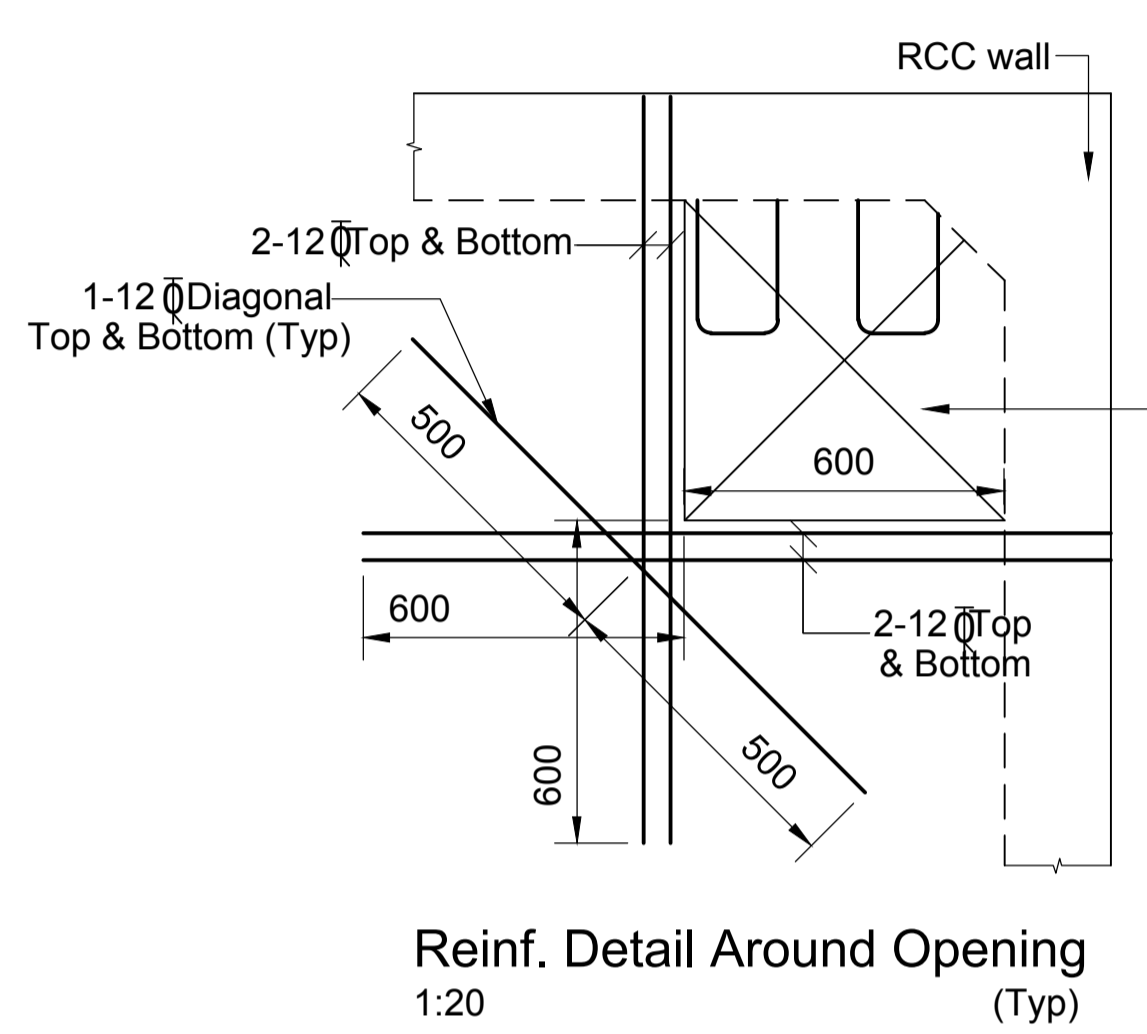
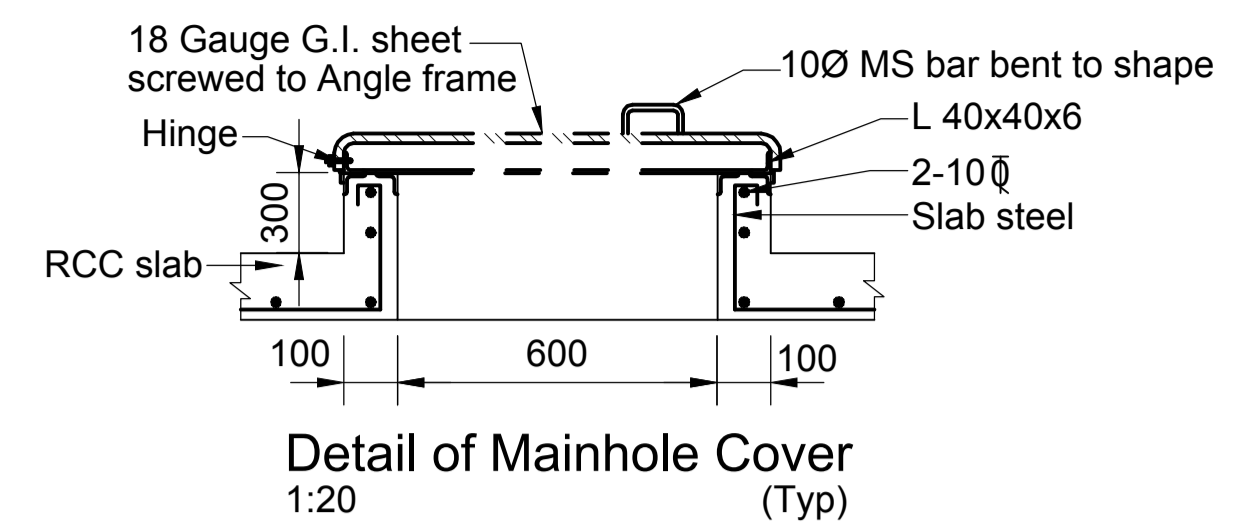
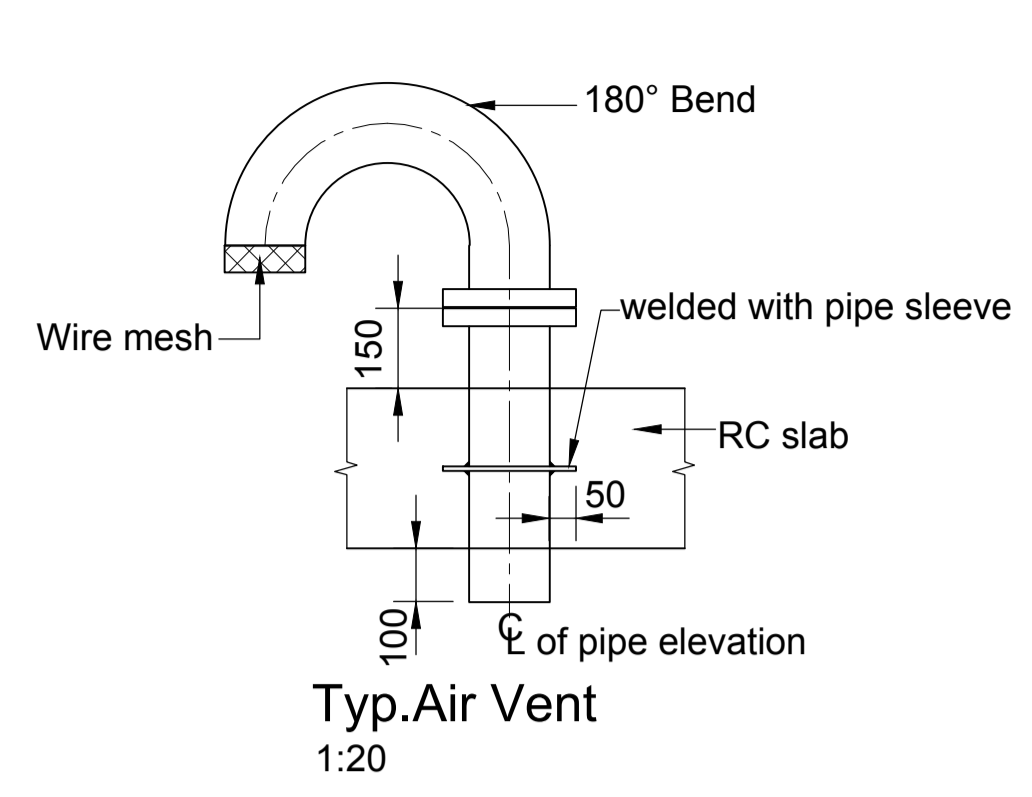
M/s Delhi Aviation Fuel Facility Pvt. Ltd.
Aviation Fuelling Station
Shahbad, Muhammad Pur
IGI Airport, New Delhi - 110061

Title
Modernization of Existing Fuel Farm

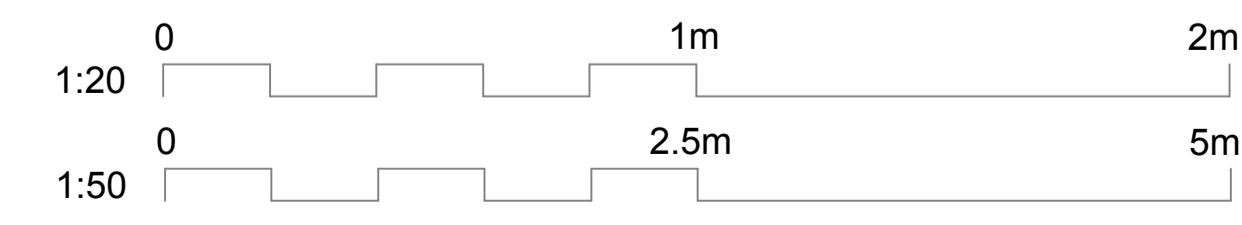
Layout & Details of Pipe Supports

Designed	DGR	Eng check	ASP
Drawn	PRT	Coordination	VSG
Dwg check	ASP	Approved	AKS/BKP
Scale at A1	Status	Rev	Security
As Shown	APR	P1	STD

Drawing Number
322538-CCA-0011-01



Notes:
N1,N2 Nozzle size & Location Conform with Piping



- Notes
- For all general notes refer drg. no. CGA-01.
 - All dimensions are in millimetres and levels are in metres
 - Concrete grade shall be M25 machine mixed and vibrated U.N.O.
 - All reinforcement bar shall be Fe 415 TMT CRS bar for structure below plinth lvl. & Fe 415 TMT bar for structure above plinth lvl.
 - Layout dimension to be checked with arch. drg. & if any ambiguity is there, contact design engineer prior to proceed
 - Provide 25mm thk. water proof plaster on all vertical surfaces and 50mm thk. IPS. with waterproofing compound in floor concrete.
 - For elevation of nozzels refer vender drawing.

Key to symbols

Abbreviations :

- FGL = Finished Ground Level
- NGL = Natural Ground Level
- FFL = Finished Floor Level
- Thk = Thickness
- RC = Reinforced Cement Concrete
- Typ = Typical
- Det = Detail
- P = Pedestal
- N = Nozzle

Encloser
Key Plan

- Reference drawings
- APA-0001-01 Plot Plan
 - MPE-0102-01 Layout For Proposed Encloser
 - CCE-0009-01 Layout & Details of Dyke Wall

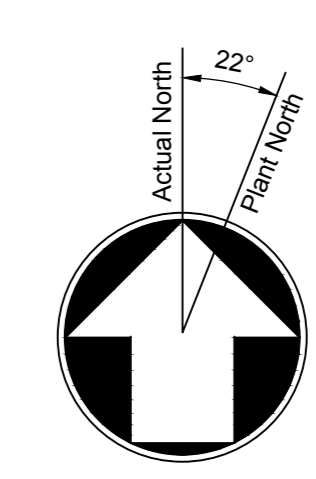
Rev	Date	Drawn	Description	Ch'k'd	App'd
0	06.07.15	MRP	Issued for Tender		

A20
Sector 2
Noida
201301
India
T +91 (0)12 0254 3582
F +91 120 254 3562
W www.mottmac.com

Client
M/s Delhi Aviation Fuel Facility Pvt. Ltd.
Aviation Fuelling Station
Shahbad, Muhammad Pur
IGI Airport, New Delhi - 110061

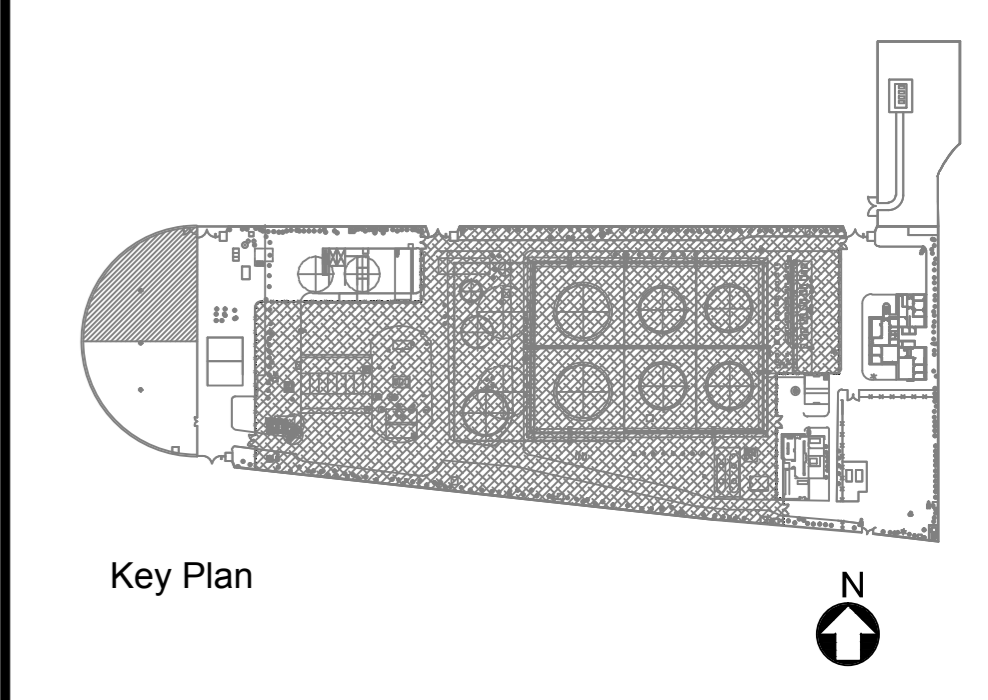
Title
Modernization of Existing Fuel Farm
Layout for Proposed Encloser
Aviaion Fueling Facility
Modification in Existing
Layout & Details of Foundation

Designed	DGR	Eng check	ASP
Drawn	MRP	Coordination	VGS
Dwg check	ASP	Approved	GDS/BKP
Scale at A2	Status	Rev	Security
As Shown	TEN	0	STD
Drawing Number 322538-CCB-0006-01			



- Notes**
- For general notes refer to CGA-01 & CCA-02
 - All dimensions are in millimeters and levels are in meters unless otherwise specified
 - Follow written dimensions only, do not scale the dimensions
 - Layout, dimensions & levels to be checked with arch. drawing and if any ambiguity is found, contact engineer incharge prior to proceed
 - Construction : In According With IS:456
 - Concrete grade for the RCC post shall be M25

Key to symbols

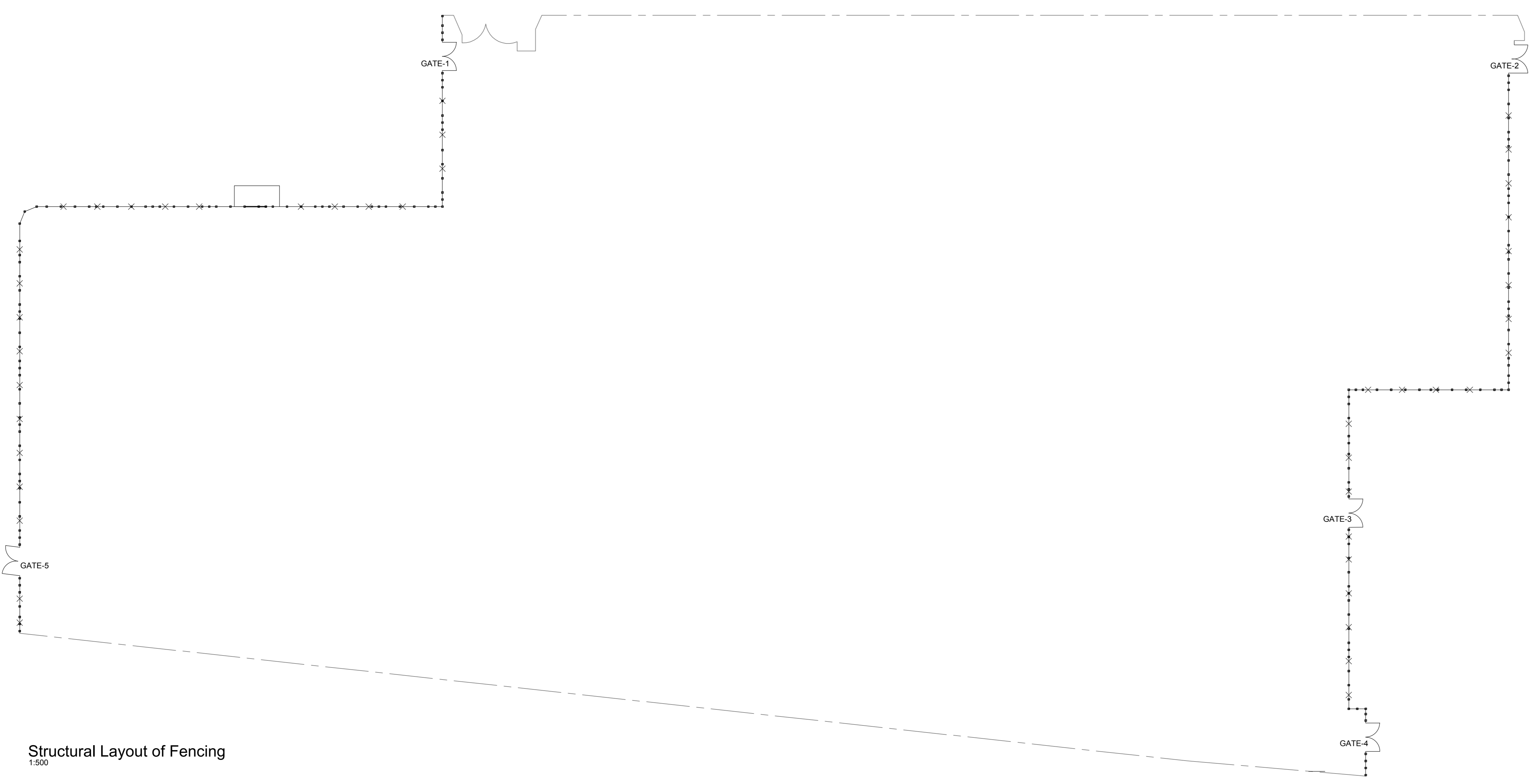


Abbreviations :

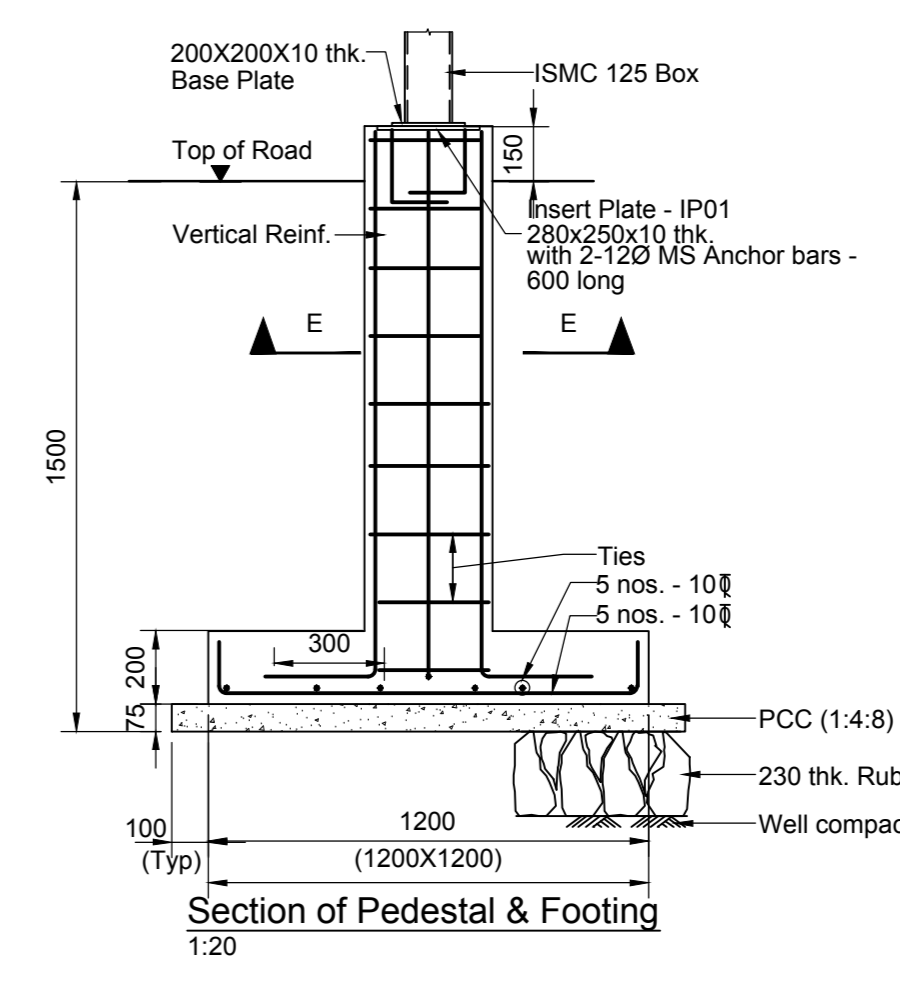
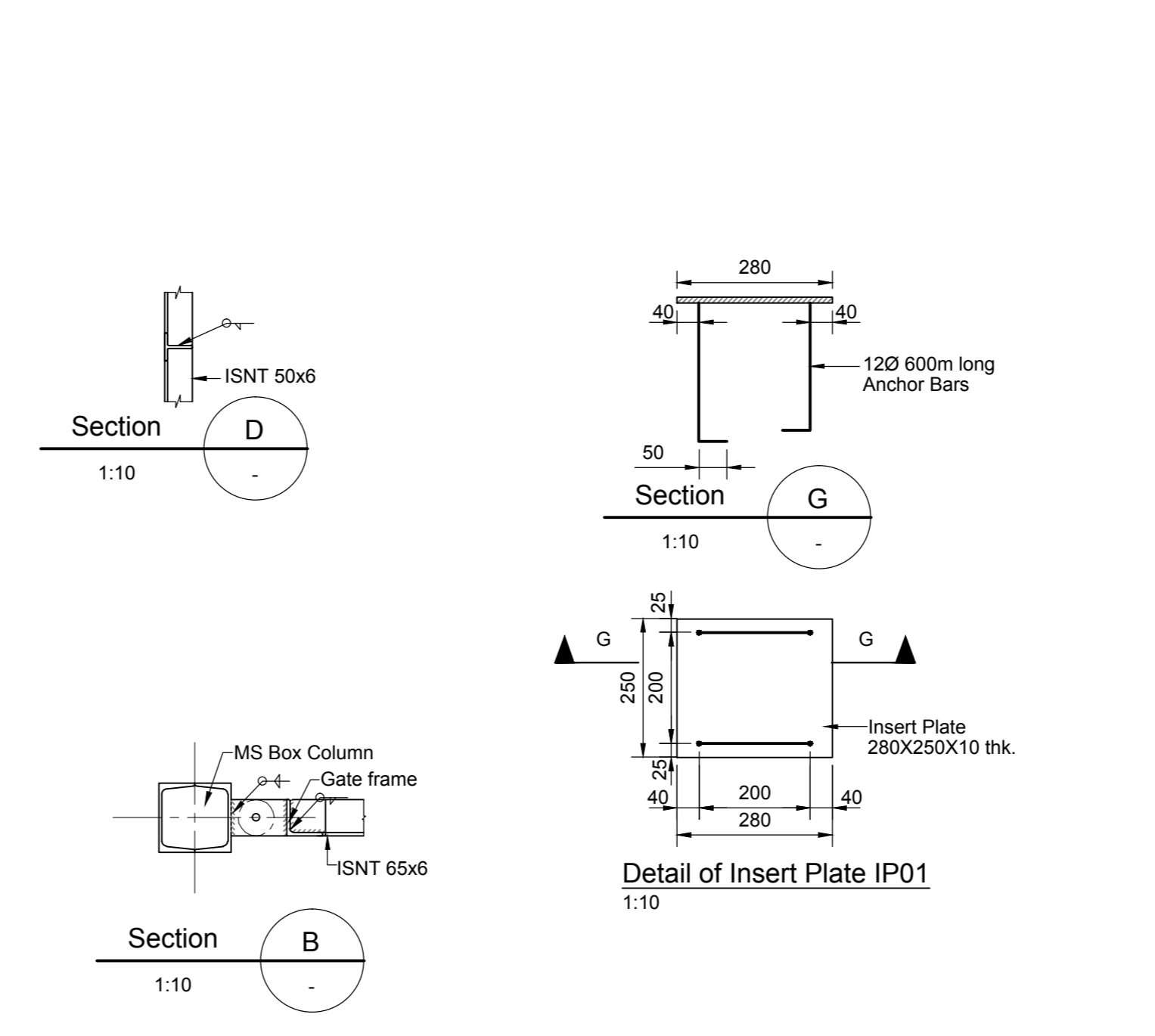
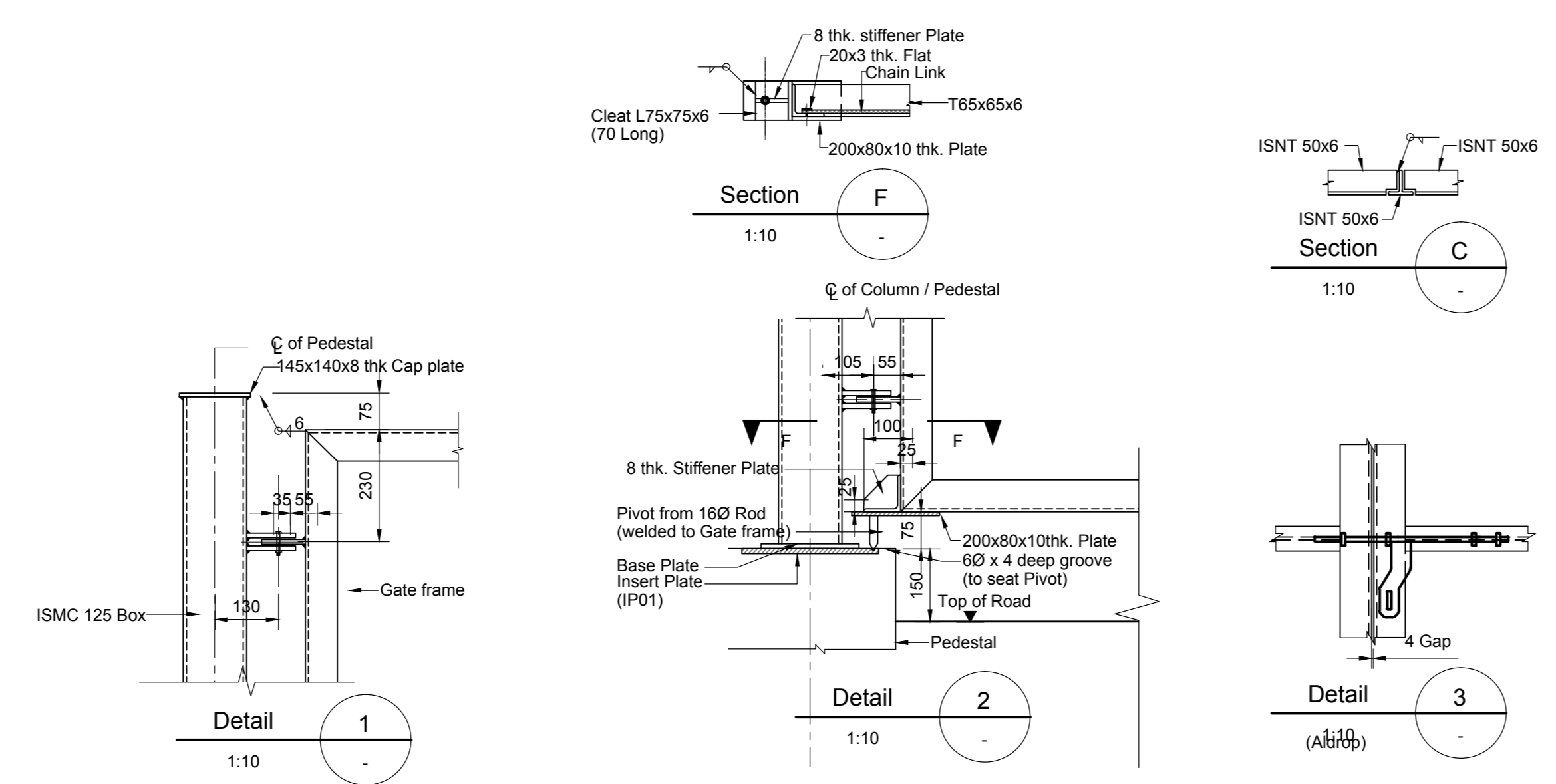
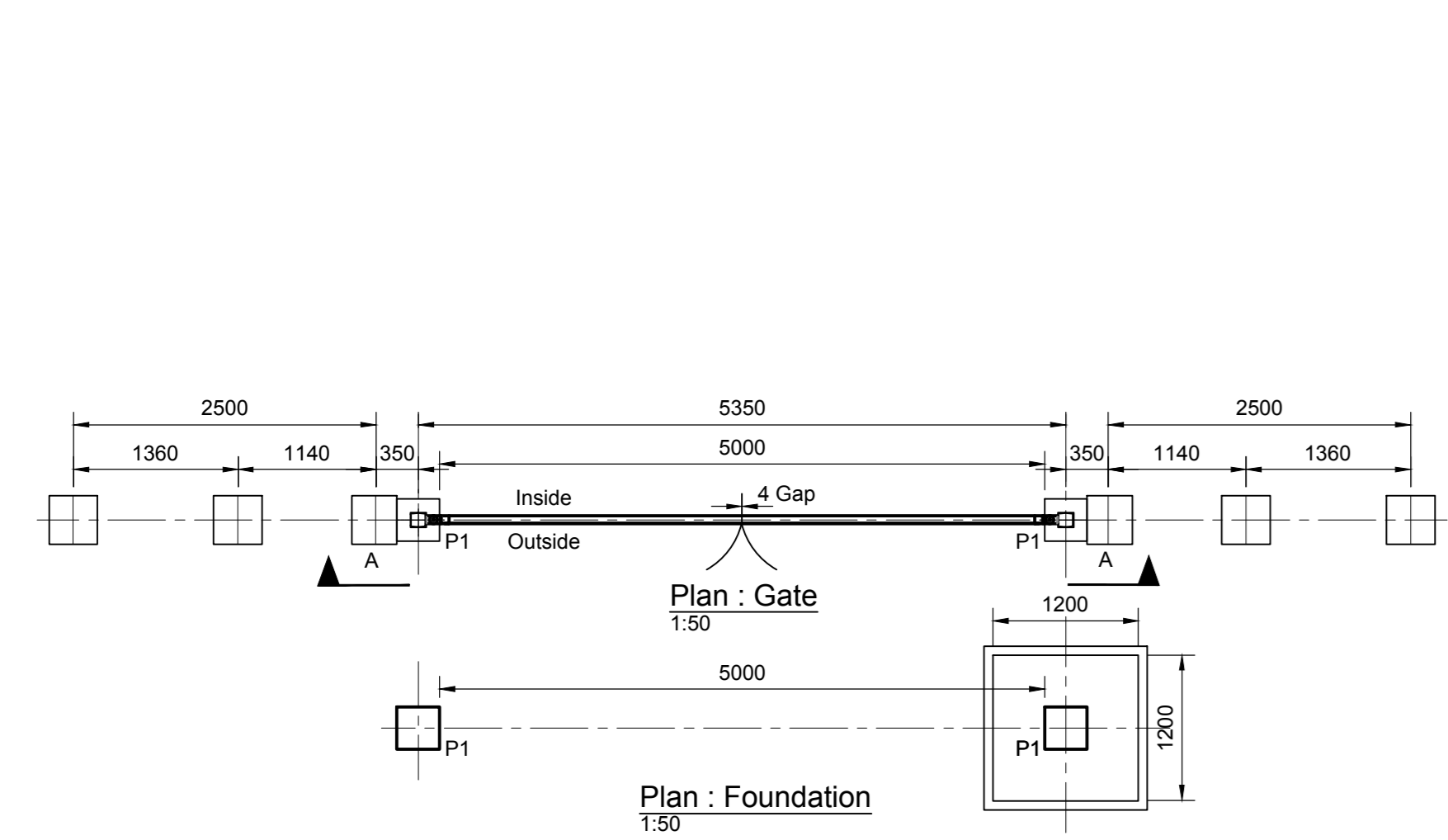
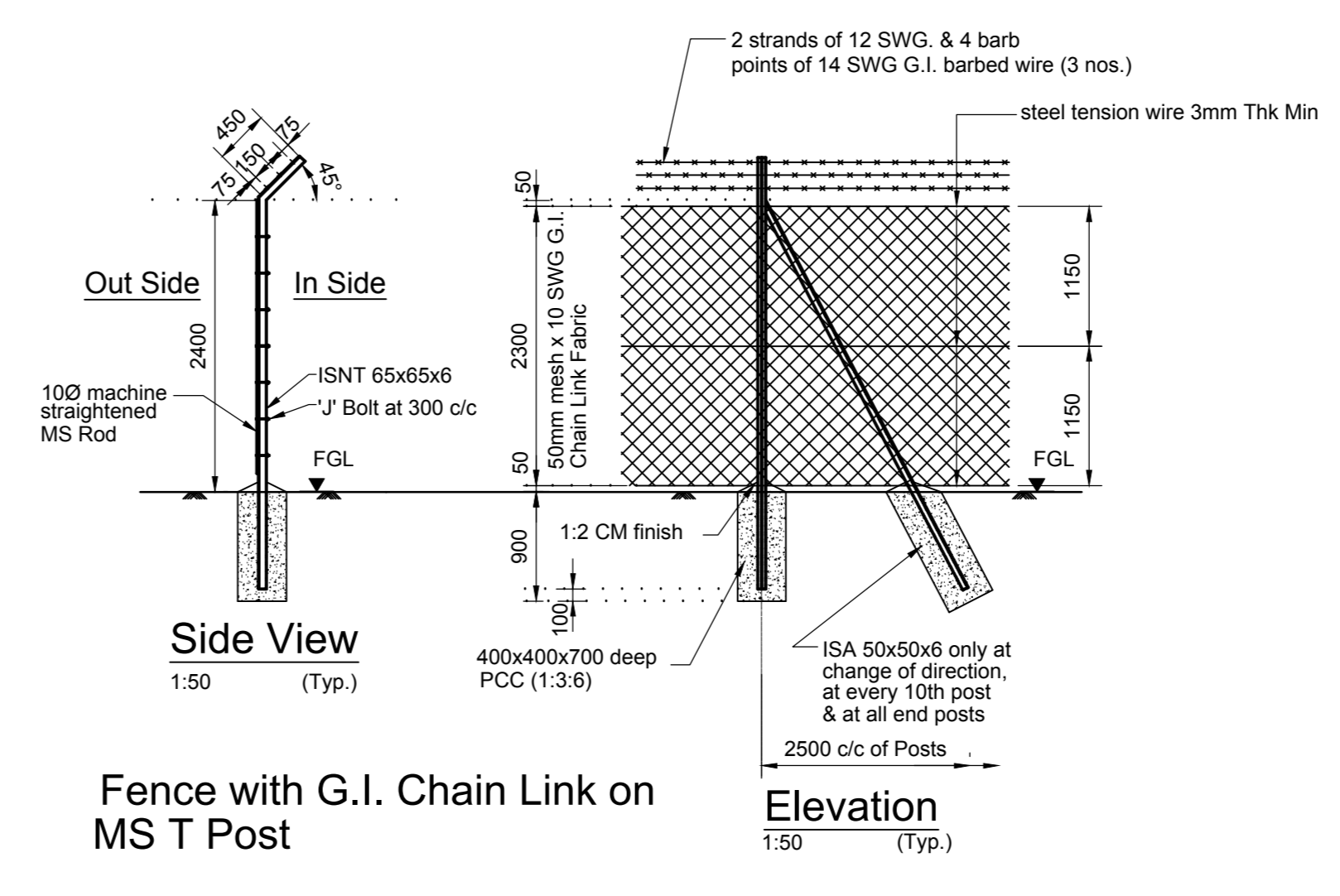
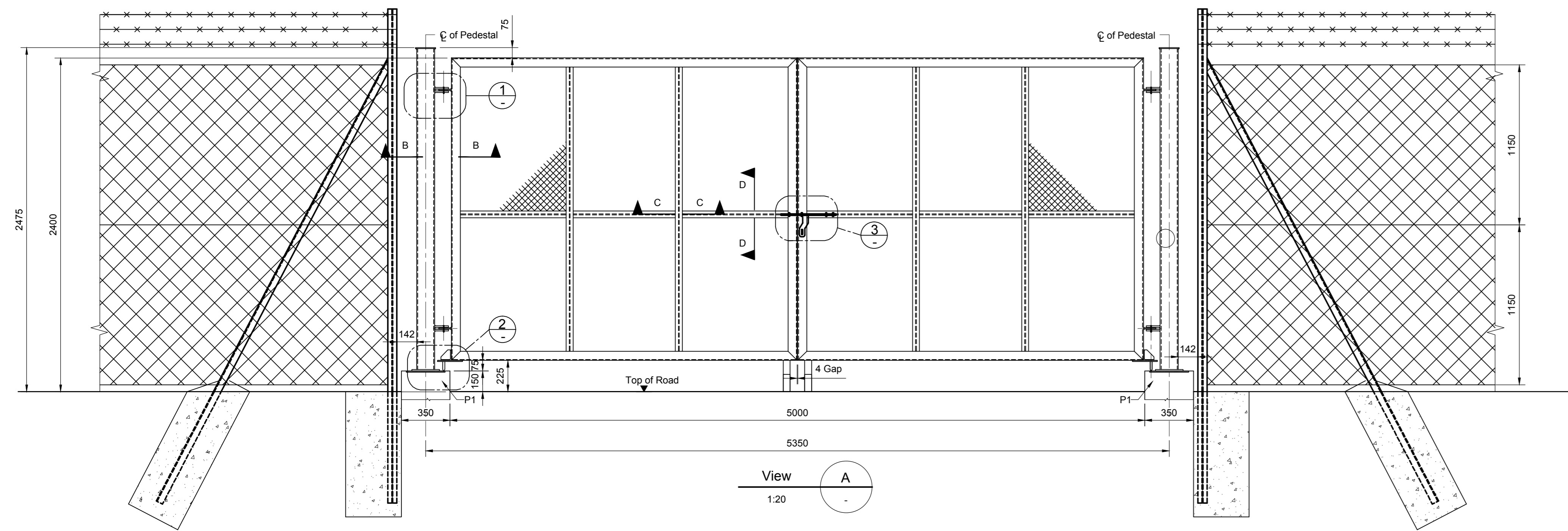
FGL = Finished Ground Level
 Thk = Thick
 Typ = Typical
 C = Center Line
 C/C = Center to Center

Reference drawings

- CGA-01 General Notes
- CCA-02 Typical Details of Columns, Footings, Beams, Walls etc.
- APA-0001-01 Plot Plan



Structural Layout of Fencing
1:500



Rev	Date	Drawn	Description	ASP	BKP
1	29.06.15	MRP	Revised Plot Boundary & Issued for Tender		
0	26.06.15	Ishita	Issued for Tender	ASP	BKP

Mott MacDonald

AS2
Sector 2
Noida
201301
India
+91 (0)11 2254 3562
+91 120 254 3562
www.mottmac.com

Client: **M/s Delhi Aviation Fuel Facility Pvt. Ltd. Aviation Fuelling Station Shahbad, Muhammad Pur IGI Airport, New Delhi - 110061**

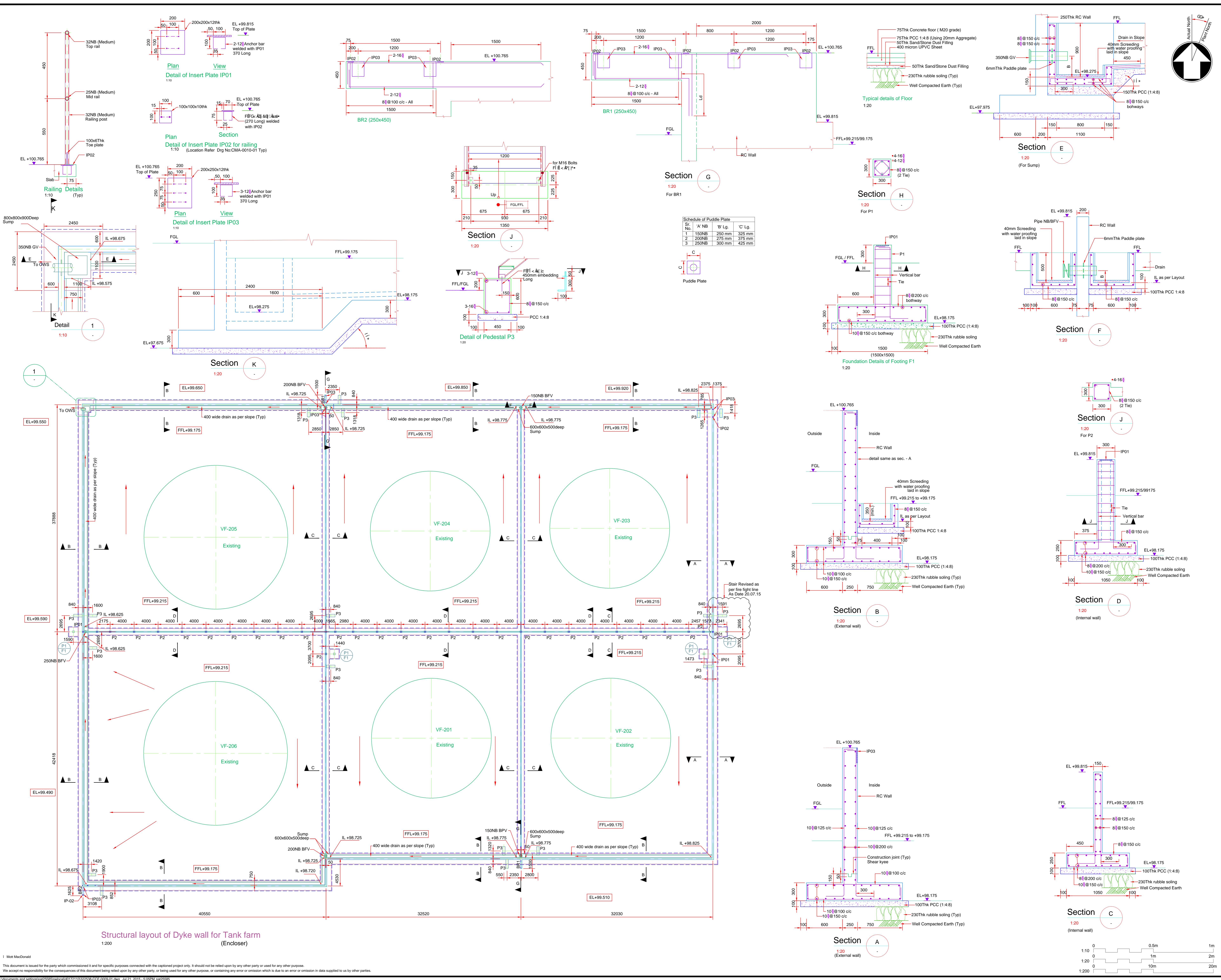
Title: **Modernization of Existing Fuel Farm**

Layout & Details of Gate & Fencing

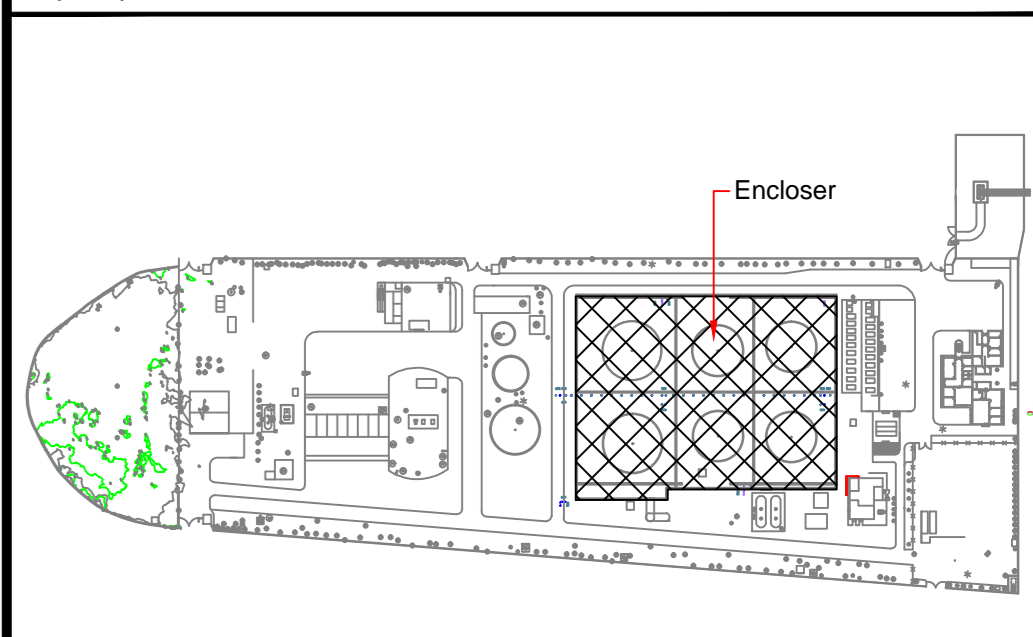
Designed	JGR	Eng check	ASP
Drawn	Ishita	Coordination	VSG
Desig check	ASP	Approved	BKPCDS
Scale at A0	1m	Status	TEN
1:100	TEN	Rev	1
1:20		Security	STD
1:50			
1:500			

Drawing Number: **322538-CCE-0005-01**

This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose. We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.



- Notes**
- All dimensions are in mm & levels in metre
 - Only written dimension are to be followed
 - Reinforced concrete shall be grade M-25, R/F steel shall be high yield strength deformed bars grade Fe415 conforming to IS - 1786
 - Clear cover to main reinforcement for different members shall be beams-25mm, columns-40mm pedestal-40mm & Footing - 50mm
 - Wall = 25mm + 10mm extra below ground level
 - Net safe bearing capacity considered in design is 10.0 tsq/m at 2.0m or minimum 600 below hard strata



- Reference drawings**
- CGA-01 General Notes.
 - CCA-02 Typical Details of Columns, Footings, Beams, Walls etc.
 - APA-0001-01 Plot Plan
 - MPE-0102-01 Layout For Proposed Encloser
 - CMA-0010-01 Layout & Details of Platforms

- Rev**
- | Rev | Date | Drawn | Description |
|-----|----------|-------|-------------------|
| 0 | 26.06.15 | HSP | Issued for Tender |



Client

M/s Delhi Aviation Fuel Facility Pvt. Ltd.
Aviation Fuelling Station
Shahbad, Muhammad Pur
IGI Airport, New Delhi - 110061

Title

Modernization of Existing Fuel Farm
Layout for Proposed Encloser
Aviation Fuelling Facility
Modification in Existing
Layout & Details of Dyke Wall

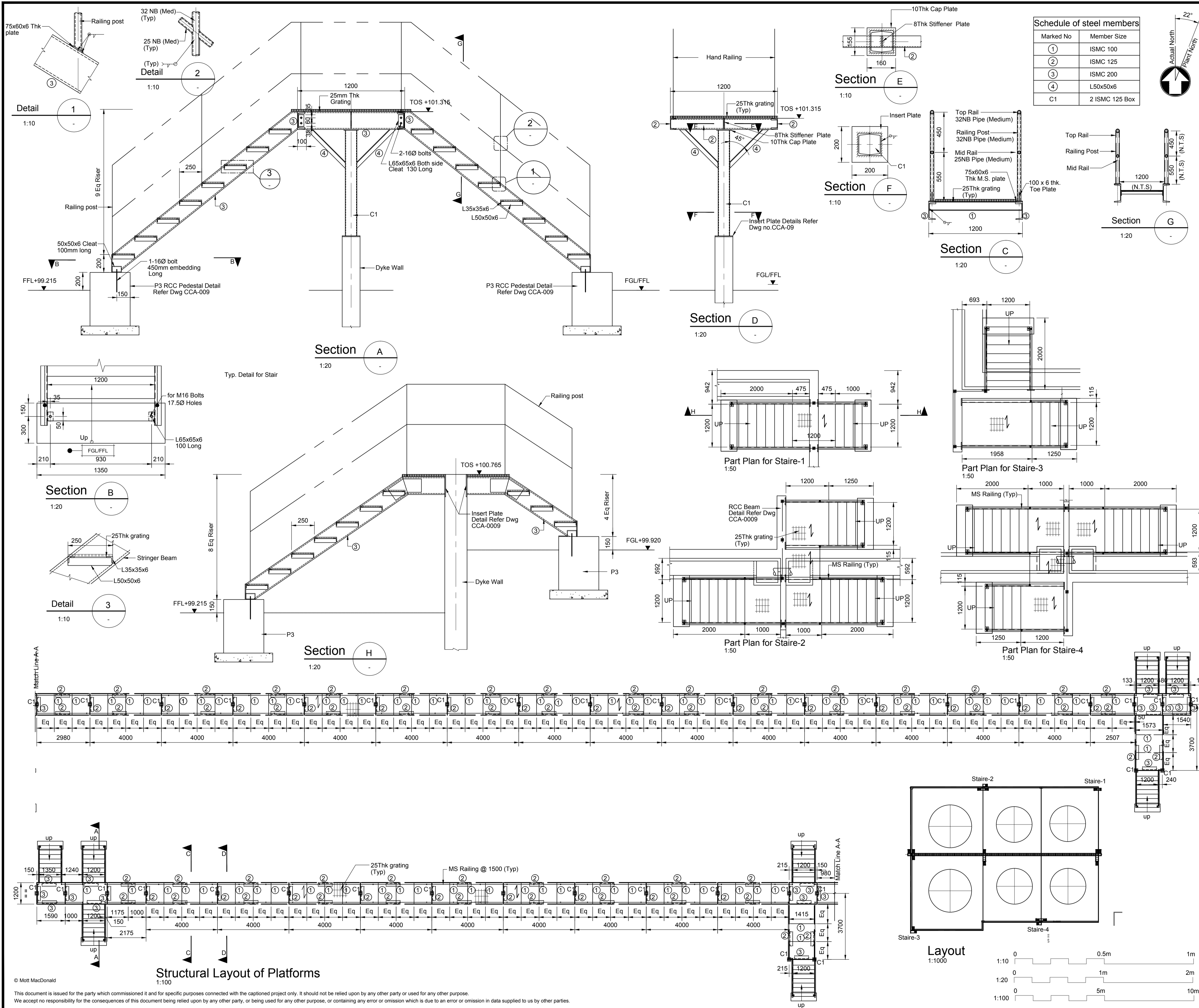
Designed	DGR	Eng check	ASP
Drawn	HASAMUKH	Coordination	VSG
Dwg check	ASP	Approved	BKP/GDS

Scale at A0	Status	Rev	Security
1:100	APR	P2	STD

Scale at A0: 1:100, 1:200, 1:2000

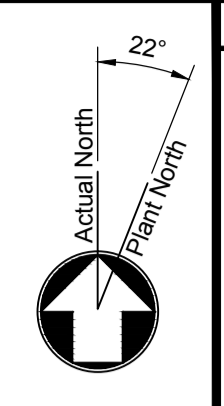
Drawing Number: 322538-CCE-0009-01

1. Mott MacDonald
This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose.
We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

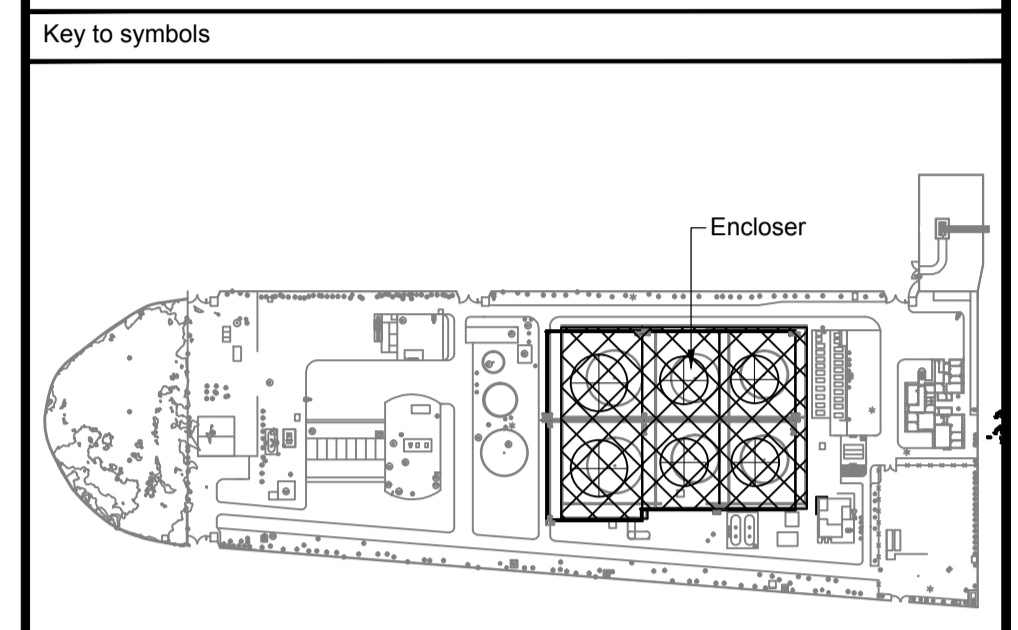


Schedule of steel members

Marked No	Member Size
①	ISMC 100
②	ISMC 125
③	ISMC 200
④	L50x50x6
C1	2 ISMC 125 Box



- Notes**
1. For all general notes refer dwg. no. CGA-01
 2. All dimensions are in millimetres and levels are in metres
 3. Only written dimension shall be followed unless noted otherwise
 4. Contractor shall take extra care to check the straightness of all members and get them inspected and approved before erection
 5. All Shop weld shall be 6mm thk. & field weld shall be 8mm thk. unless otherwise specified.
 6. Layout, Dimension & Levels to be Checked with MECH. Drg.
 7. Provide support dimension and elevation for below 40mm NB line as per piping at site.



- Abbreviations :**
- FGL = Finished Ground Level
 - NGL = Natural Ground Level
 - FFL = Finished Floor Level
 - Thk = Thick
 - RC = Reinforced Concrete
 - Typ = Typical
 - Det = Detail
 - Eq = Equal

- Reference drawings**
1. CGA-01 General Notes.
 2. CCA-02 Typical Details of Columns, Footings, Beams, Walls etc.
 3. APA-001-01 Plot Plan
 4. MPE-0102-01 Layout For Proposed Encloser
 5. CCA-0009-01 Layout & Details of Dyke Wall

Rev	Date	Drawn	Description	Ch'kd	App'd
0	26.06.15	HSP	Issued for Tender		

Mott MacDonald

A20
Sector 2
Noida
201301
India
+91 (0)12 0254 3582
+91 120 254 3562
www.mottmac.com

Client

M/s Delhi Aviation Fuel Facility Pvt. Ltd.
 Aviation Fuelling Station
 Shahbad, Muhammad Pur
 IGI Airport, New Delhi - 110061



Title

Modernization of Existing Fuel Farm Layout for Proposed Encloser
 Aviation Fuelling Facility
 Modification in Existing
 Layout & Details of Platforms

Designed	DGR	Eng check	ASP
Drawn	MRP	Coordination	VGS
Dwg check	ASP	Approved	BKP/GDS
Scale at A1	Status	Rev	Security
As Show	TEN	0	STD
Drawing Number	322538-CMA-0010-01		

© Mott MacDonald
 This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose.
 We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

