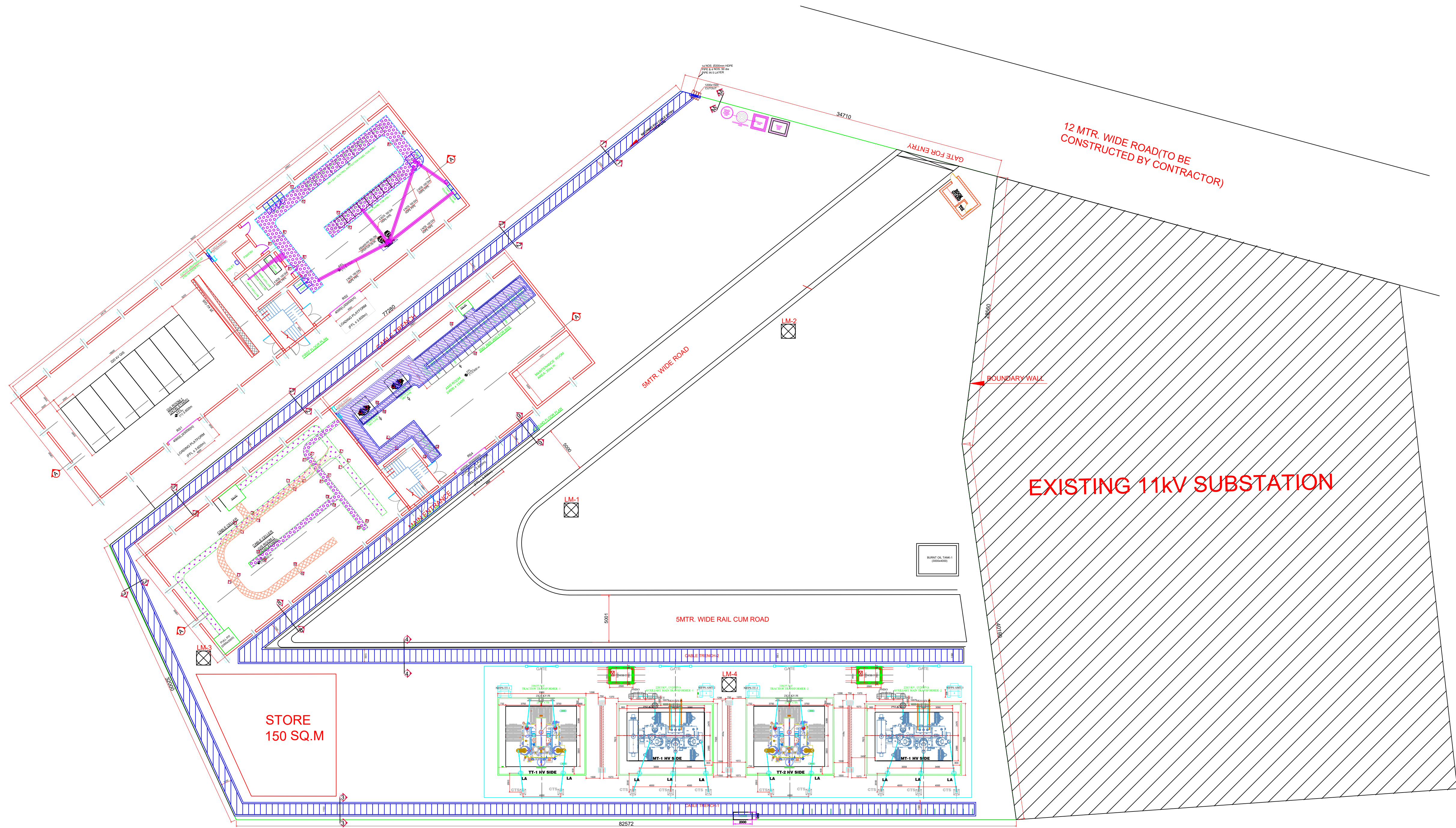




- LEGENDS:**
- G.I. PVC & HDPE PIPE (EMBEDDED IN SOIL 300mm BELOW FGL)
 - CABLE TRENCH
 - CABLE TRAY
 - CABLE HANGER
 - CABLE SUPPORT ON FLOOR
- P - POWER CABLE TRAY
C - CONTROL CABLE TRAY
FO - FIBER OPTICAL CABLE TRAY

- NOTES:-**
1. ALL THE DIMENSIONS ARE IN mm.
 2. CABLE TRENCH IN THIS CONCEPTUAL DRAWING IS TO INDICATE THE BASIC ROUTINGS OF VARIOUS SECTIONS ACCORDING TO ELECTRICAL REQUIREMENT. TRACTION CONTRACTOR SHALL PREPARED THE DEATILED DRAWING BASED ON ACTUAL ELECTRICAL REQUIREMENTS.
 2. THIS DRAWING IS INDICATIVE AND FOR TENDER PURPOSE ONLYAND CONTRACTOR SHALL DEVELOP THE DRAWING FOR CLIENT APPROVAL.
 3. DETAILS OF CABLE TRENCH WALL, COVER SLAB, TYPE OF CONCRETE, INSERT PLATE, DRAINAGE, ETC., SHALL BE FURNISHED SEPARATELY IN CIVIL DRAWING BY THE CONTRACTOR.
 4. ROAD LEVEL SHALL BE FURTHER DETAILED IN THE RESPECTIVE CIVIL DRAWINGS.
 5. LIGHTING CABLE SHALL BE DIRECTLY BURIED WHEREVER TRENCH IS NOT AVAILABLE.
 6. LV POWER CABLES UPTO 120sqmm SHALL BE LAID IN TWO LAYERS ABOVE 120sqmm. SHALL BE LAID IN SINGLE LAYER.
 7. CONTROL CABLES SHALL BE LAID IN TWO LAYERS.
 8. AFTER LAYING CABLES, THE END OF PIPES SHALL BE SUITABLY SEALED AT SITE TO PREVENT INGRESS OF WATER INSIDE THE PIPES.
 9. SEPARATE PIPES SHALL BE PROVIDED FOR POWER (VOLTAGE WISE) & CONTROL CABLES WHEREVER ROAD CROSSING.
 10. ALL SINGLE CORE CABLES SHALL BE LAID IN TREFOIL FORMATION AND SHALL BE CLAMPED AT EVERY 1 M INTERVAL.
 11. CABLE DIAMETER SHOWN IS ARE TENTATIVE, ACTUAL DIMENSIONS SHALL BE AS PER APPROVED CABLE MANUFACTURER DRAWING.
 12. CABLE PULLPIT SHOWN IS TENTATIVE AND SHALL BE DONE BASED ON SITE CONDITION.
 13. ALL THE INDOOR AND OUTDOOR CABLE TRENCH OPENINGS TO BE SEALED PROPERLY THROUGH EPDM MODULAR BASED CABLE SEALING SYSTEM AS PER TENDER.
 14. EARTH STRIPS AS SHOWN WILL BE CONNECTED TO MET/EARTHPIT GIVEN SIZE ARE TENTATIVE, FINAL SIZE SHALL BE UPDATED DURING EARTHING CALCULATION.
 15. FOR LAYING OF LT POWER/DC/CONTROL CABLE PERFORATED TRAY SHALL BE USED DULY SUPPORTED.
 16. AFTER ERECTION OF ALL PANEL, BALANCE PORTION OF CABLE TRENCH/CUTOUT SHALL BE COVERED WITH CHEQUERED PLATE FLUSHED WITH FFL.

NOTES:

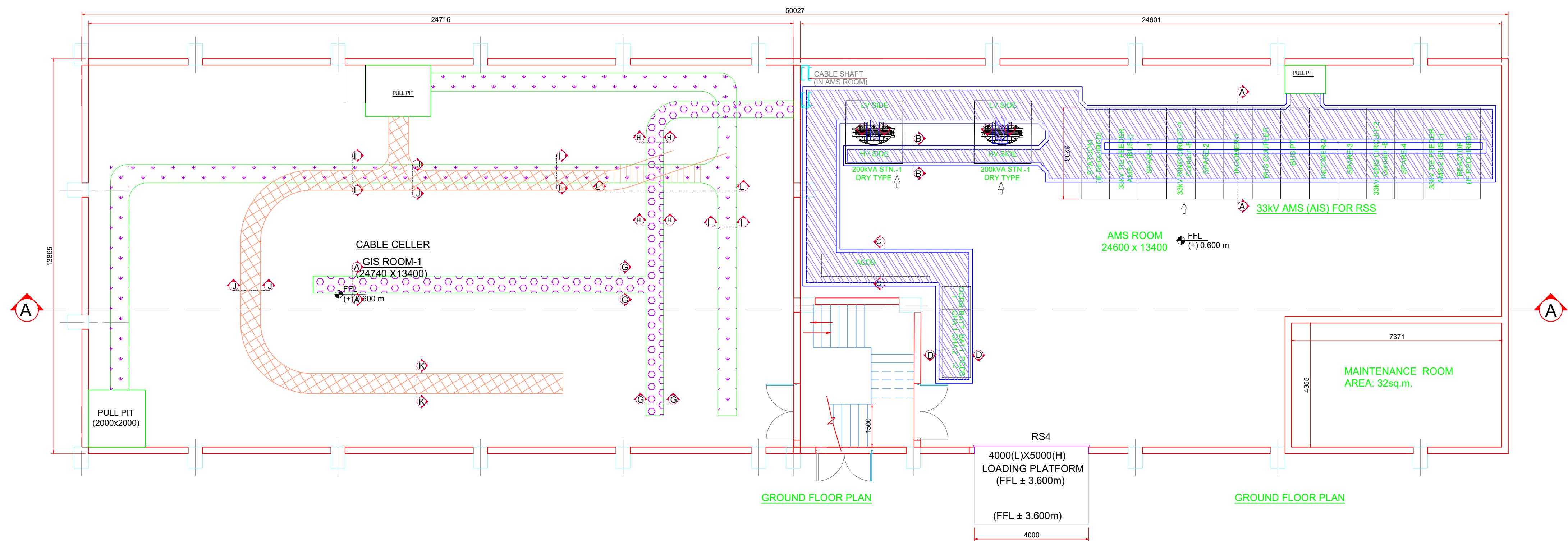
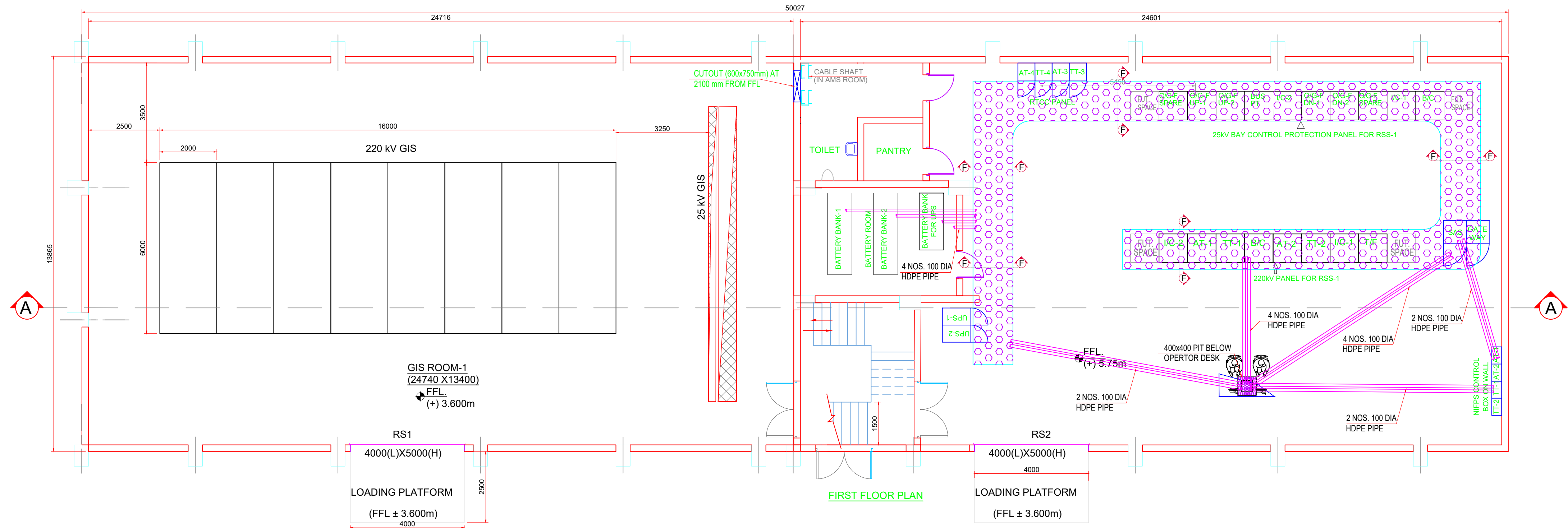
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3. ANY DISCREPANCY IN THE DRAWING MUST BE BROUGHT TO THE NOTICE OF THE DESIGNER.

4. INTERFACE WITH OTHER DESIGN DISCIPLINE WILL BE DONE AS PER AVAILABILITY OF DETAILS.

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REV	DATE	DESCRIPTION	Originator	Checked	Approved
R0	09-08-2024	FIRST SUBMISSION	K.B	V.S/R.K	SK

K RIDE

DM / ELE / KRIDE Sr. DGM / ELE / KRIDE AGM / ELE / KRIDE

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Senior Discipline Expert Chief Discipline Expert Project Director

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Detailed Design Consultant for design of Traction & Auxiliary Power Supply and Distribution for BSRP

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Mindscapes, Mathura Road, NH2, Sector 27D,
Faridabad, Haryana 121013

Drawn	Checked	Approved
K. Bisht	V. Singh R.Kannan	S. Kumar Sudhakar Kumar

Client:

**RAIL INFRASTRUCTURE
DEVELOPMENT COMPANY
(KARNATAKA) LIMITED**

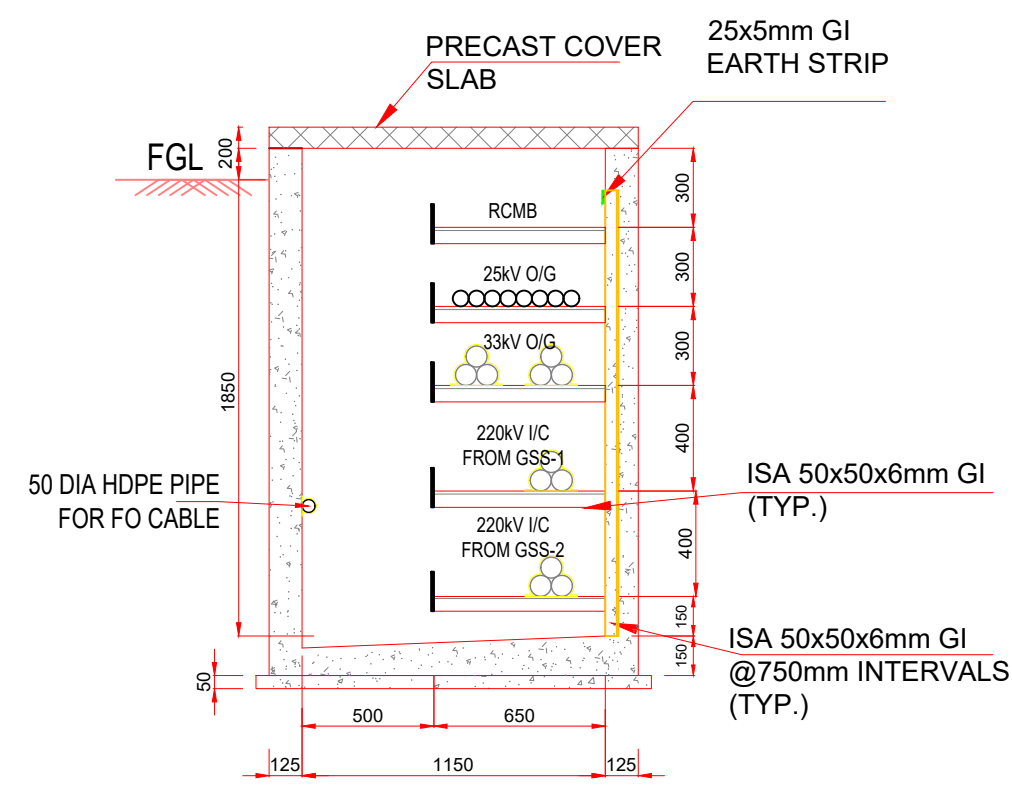
Project Title: Bengaluru Suburban Rail Project (BSRP)
(Detailed Design Consultant for design of Traction & Auxiliary Power Supply and Distribution for BSRP)

Corridor-2 (Benniganahalli - Chikkabanavara)

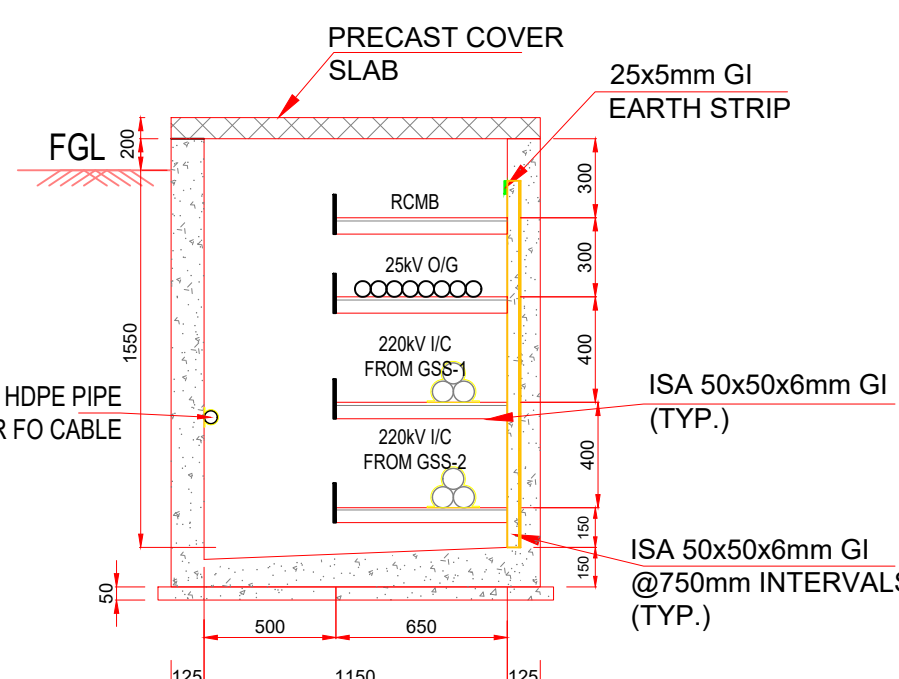
Drawing Title: Outdoor/Indoor Electrical Cable Routing Layout (Plan & Cross Section) - Mathikere 220/33/27.5 kV GIS Substation (Sh. 02 of 03)

Paper Size:	Discipline:	Date:	Scale:
A1	Power Supply & Traction System	09/08/2024	TS/NTS
Drawing no.:	CRDD01-TDR-GEN-GEN-TPS-DWG-00017	Revision:	R0

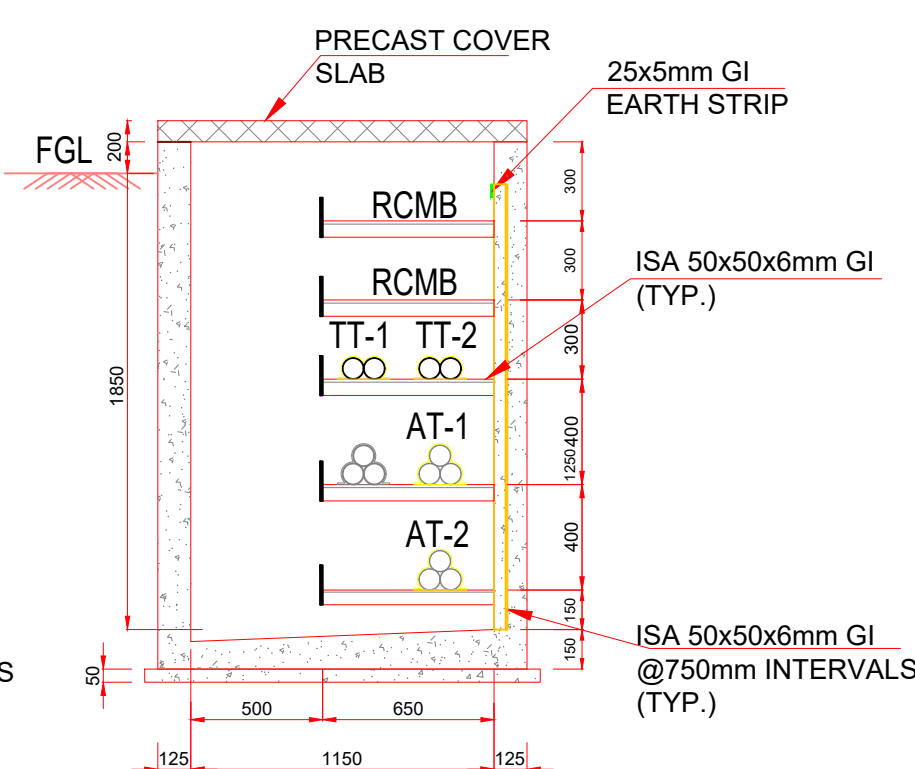
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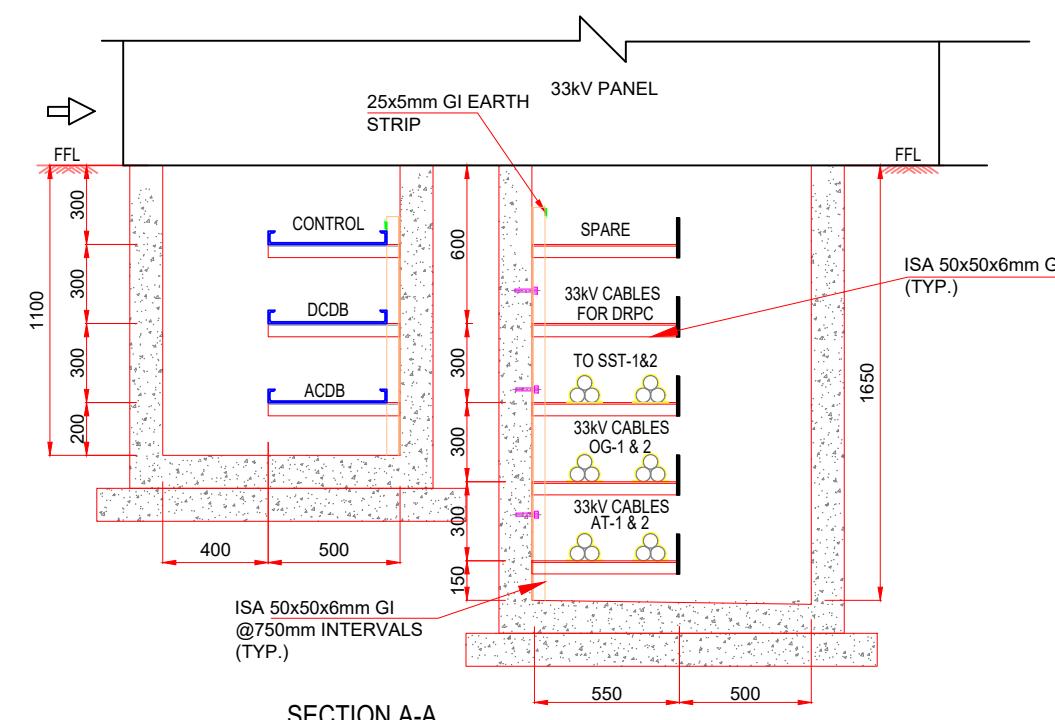
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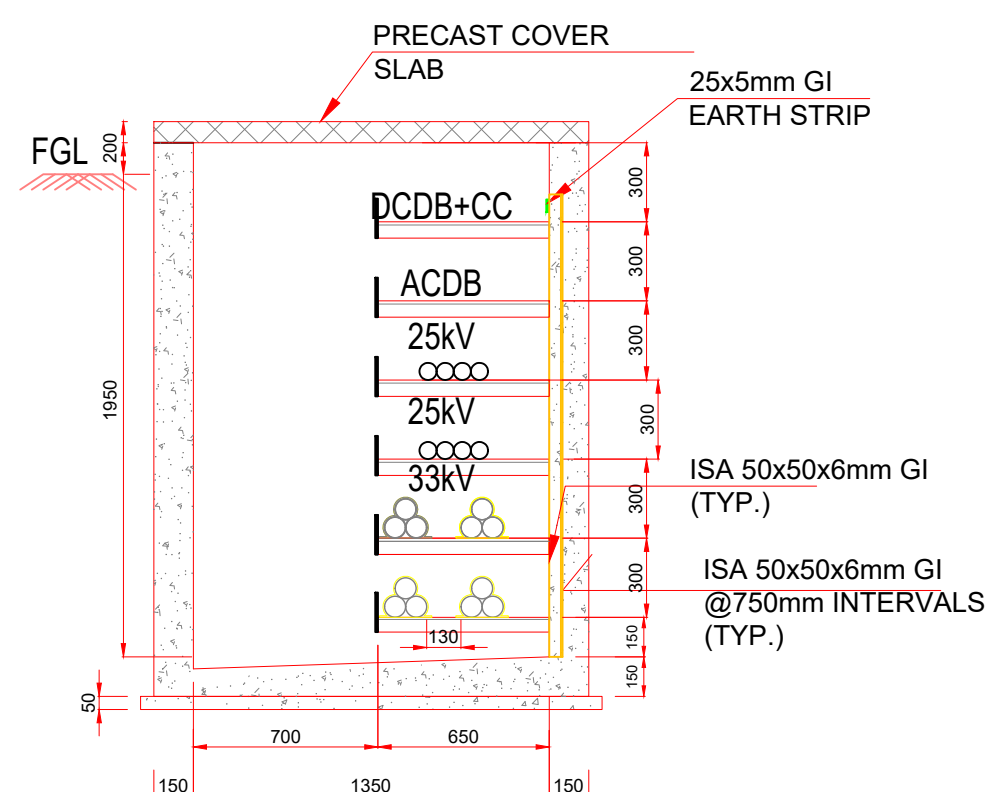
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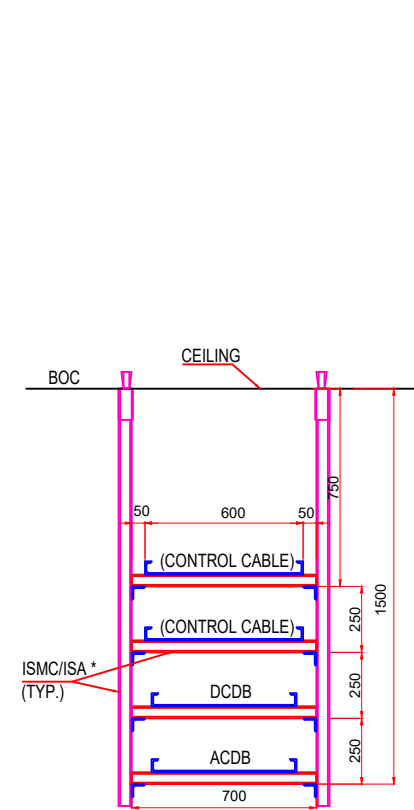
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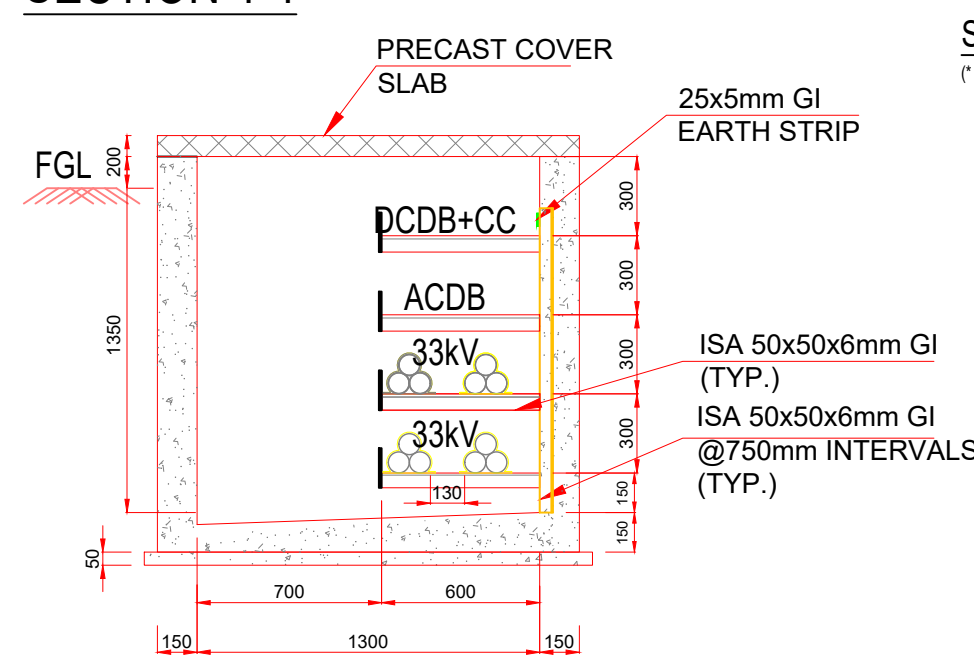
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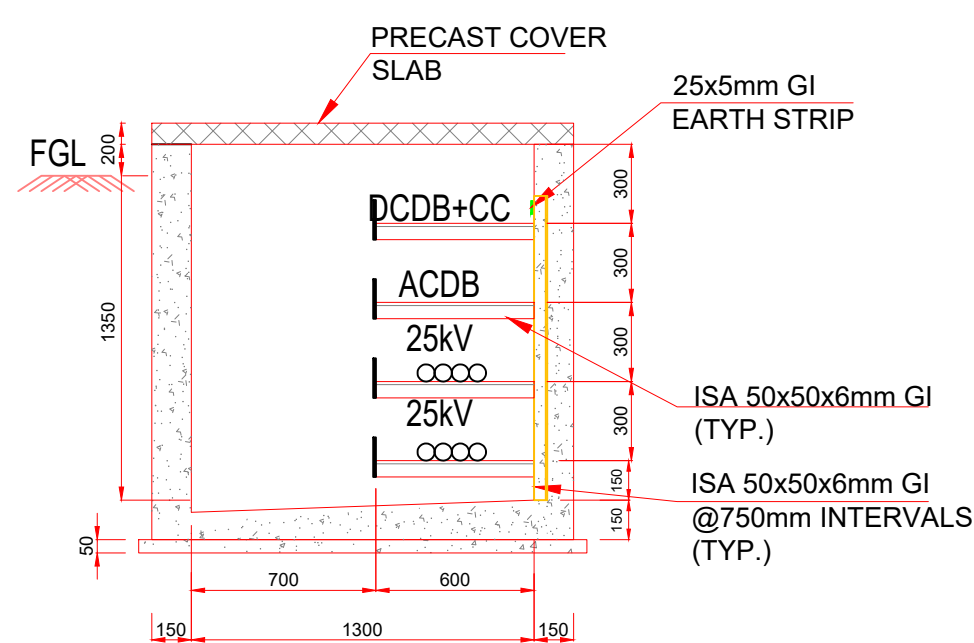
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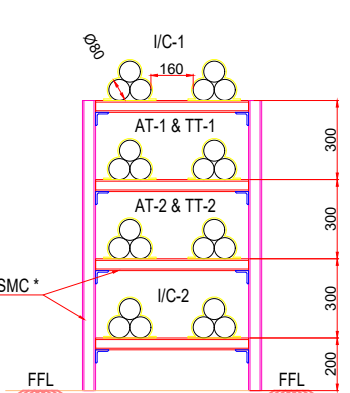
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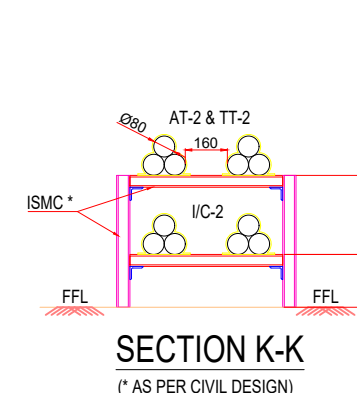
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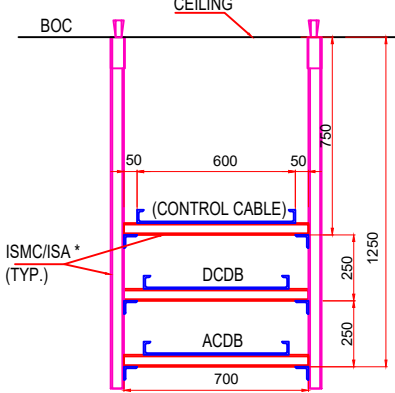
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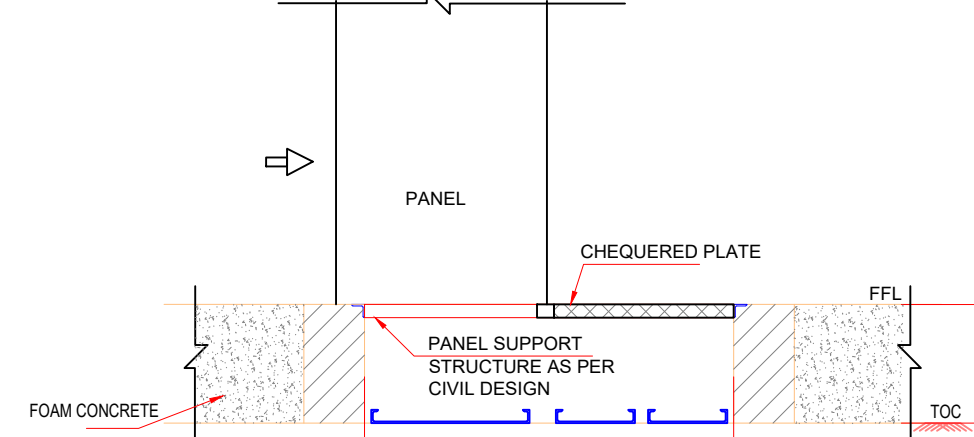
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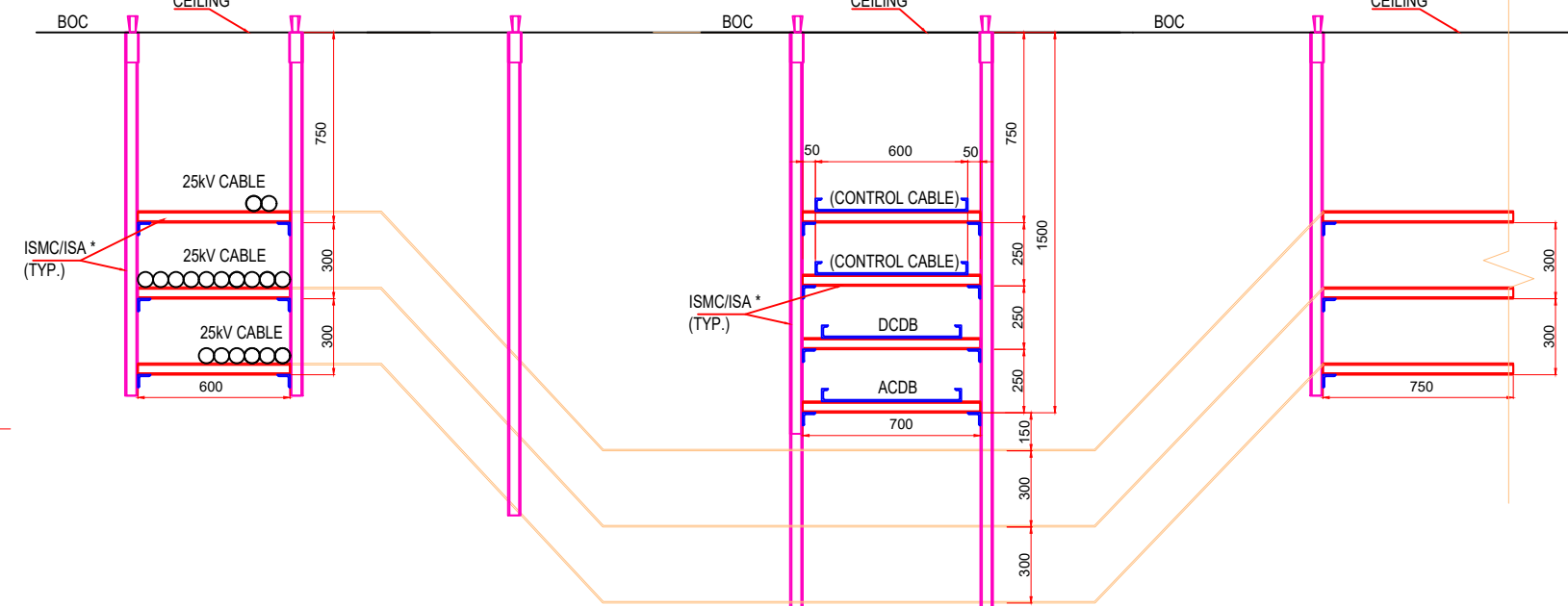
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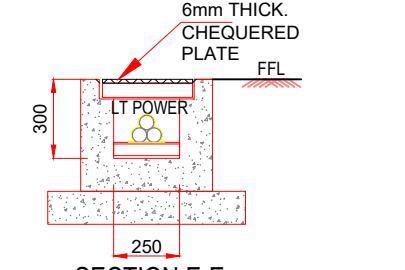
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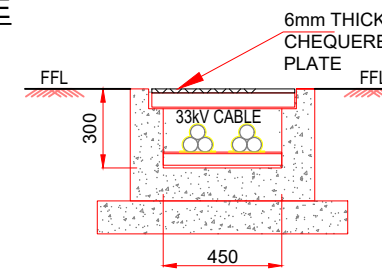
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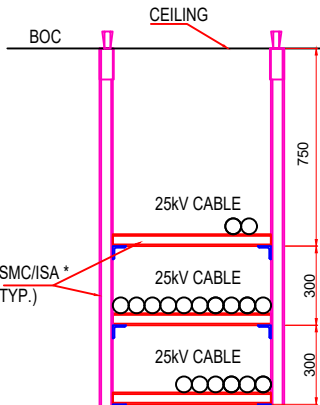
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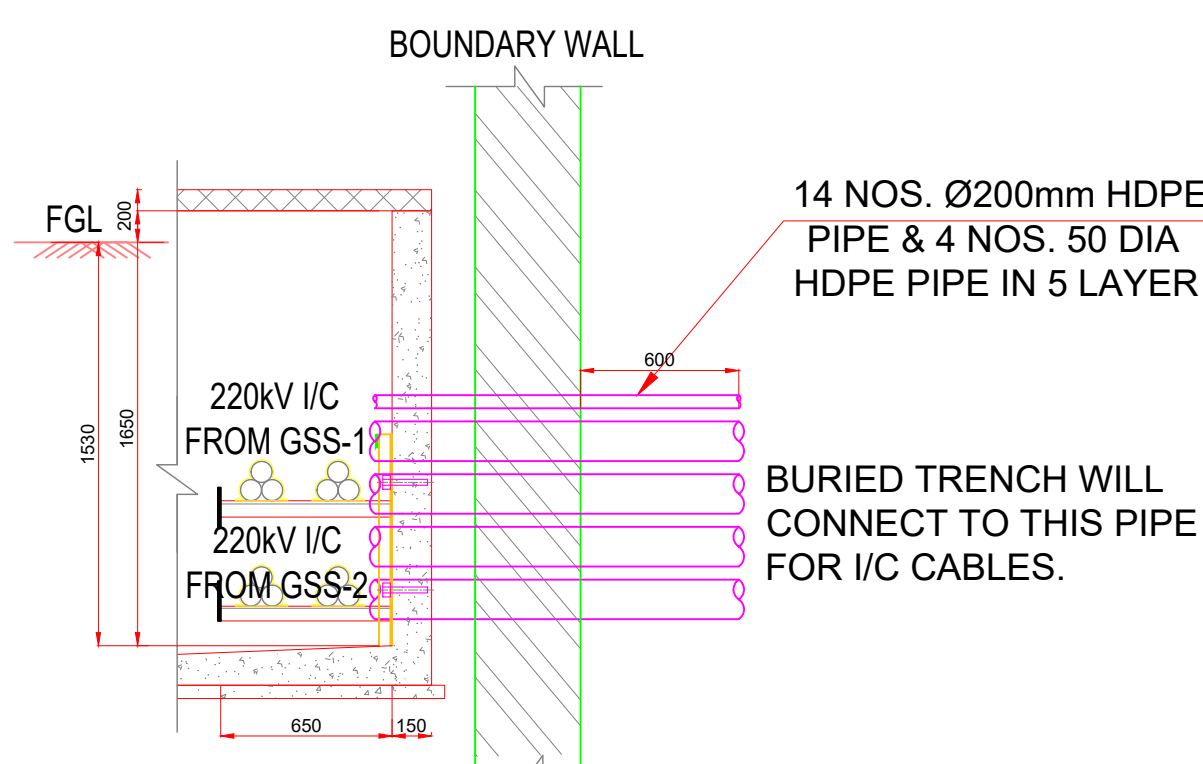
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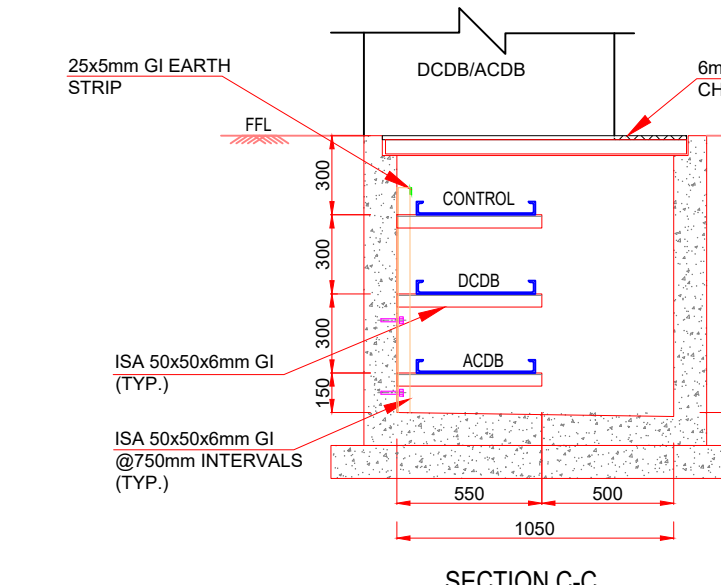
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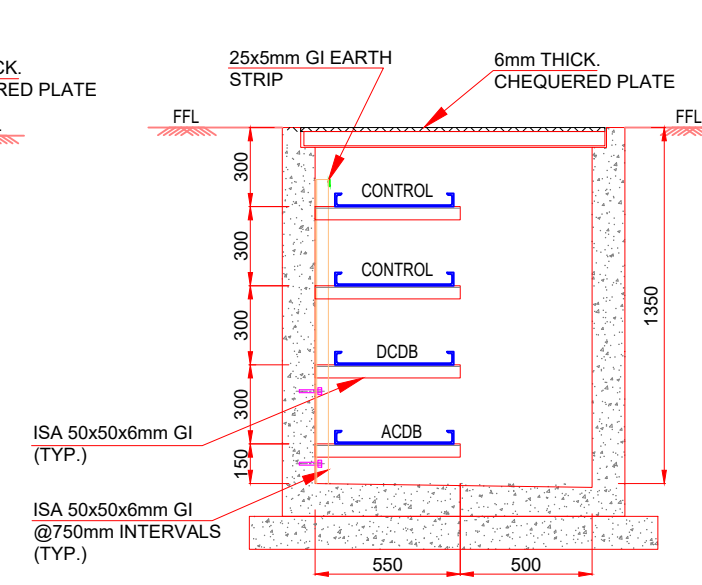
SECTION I-I
(* AS PER CIVIL DESIGN)



SECTION M-M



SECTION C-C



SECTION D-D

14 NOS. Ø200mm HDPE PIPE & 4 NOS. 50 DIA HDPE PIPE IN 5 LAYER

BURIED TRENCH WILL CONNECT TO THIS PIPE FOR I/C CABLES.

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REV	DATE	DESCRIPTION	Originator	Checked	Approved

K RIDE

DM / ELE / KRIDE Sr. DGM / ELE / KRIDE AGM / ELE / KRIDE

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eegis **AECOM** wsp
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Drawn	Checked:	Approved:
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Project Title:	Bengaluru Suburban Rail Project (BSRP) (Detailed Design Consultant for design of Traction & Auxiliary Power Supply and Distribution for BSRP)
Corridor-2 (Benniganahalli - Chikkabanavara)	Project Stage:
Drawing Title:	Tender Drawing
Outdoor/Indoor Electrical Cable Routing Layout (Plan & Cross Section) - Mathikere 220/33/27.5 kV GIS Substation (Sh. 03 of 03)	
Paper Size: A1	Discipline: Power Supply & Traction System
Drawing no.: KRDD01-TDR-GEN-GEN-TPS-DWG-00017	Date: 09/08/2024 Scale: TS/NTS Revision: R0

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