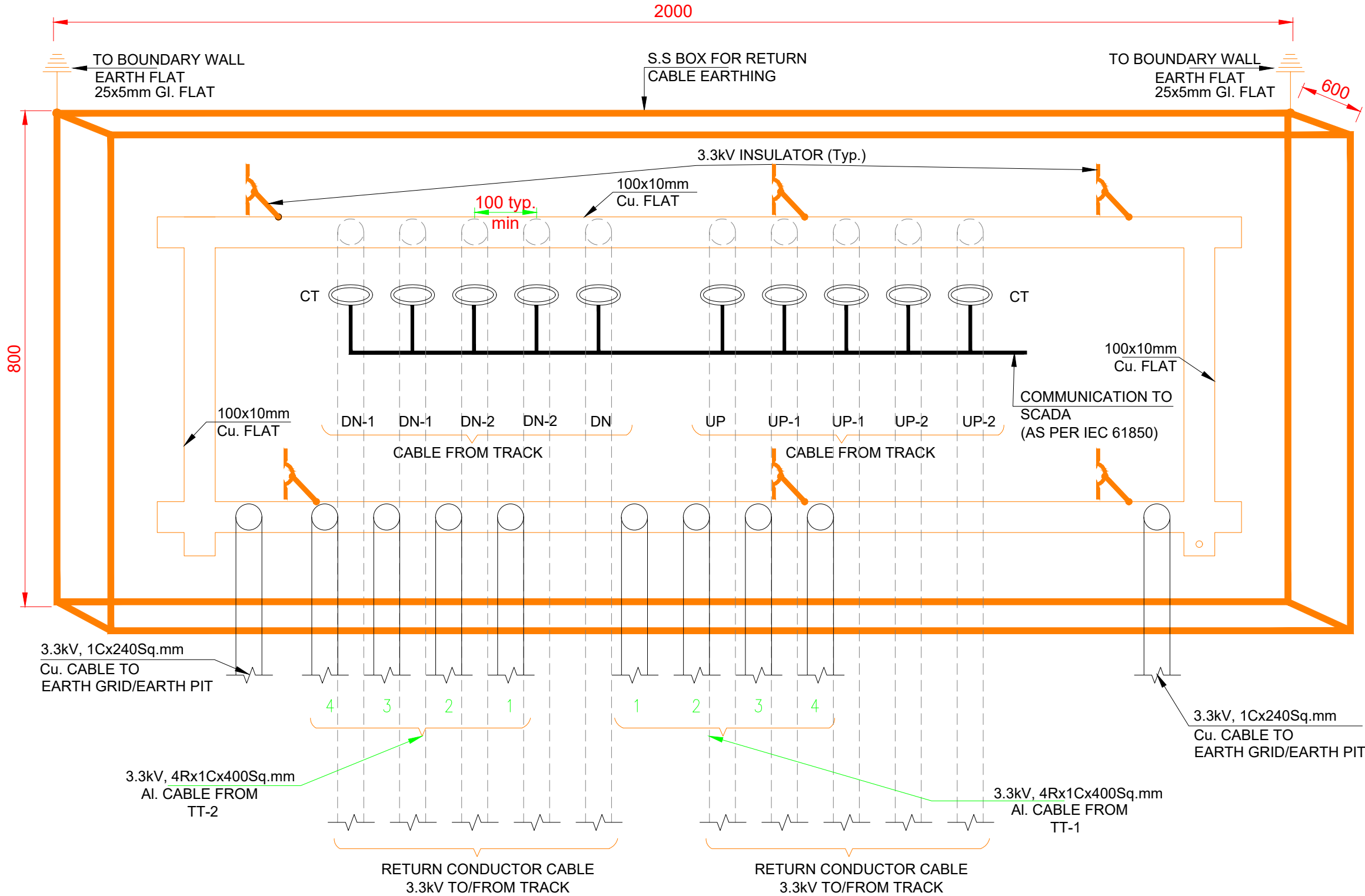


BURRIED RAIL/RCMB CONNECTION



- NOTES:-
1. ALL DIMENSIONS ARE IN MM.
 2. THIS DRAWING IS INDICATIVE AND FOR TENDER PURPOSE ONLY AND CONTRACTOR SHALL DEVELOP THE DRAWING FOR CLIENT APPROVAL.
 3. CT TO BE PROVIDED FOR MONITORING OF RETURN CURRENT FROM TRACK.
 4. A RCMB BOX CONSISTING OF 100x10 mm RING OF Cu. FLAT MOUNTED ON 3.3kv INSULATORS AND SHALL BE MOUNTED ON BOUNDARY WALL.
 5. RCMB BOX SHALL HAVE BOTTOM CABLE ENTRY FOR 3.3kv RETURN CABLE FROM TRACTION TRANSFORMER AS WELL AS FROM TRACK.
 6. THE RING OF 100x10mm Cu. FLAT SHALL BE CONNECTED TO MAIN EARTH MAT OF RSS BY MEANS OF 3.3kv CABLES AT TWO POINTS.
 7. SINCE YARD AND BOUNDARY WALL EARTHING ARE SEPARATED FROM EACH OTHER, THE BODY EARTHING FOR RCMB BOX SHALL BE CONNECTED TO BOUNDARY WALL EARTHING BY MEANS OF 25x5 mm GI FLAT AND SHALL BE SEPARATE FROM MAIN EARTH MAT.
 8. THE CONNECTION OF 3.3kv CABLE AT 100x10mm CU. FLAT IN RCMB BOX AS WELL WITH MAIN MAT SHALL BE BOLTED TYPE.
 9. BOX SHOULD BE MADE OF STAINLESS STEEL SHEET NOT LESS THAN 2mm THICKNESS AISI 316 AND MIN. OF IP 55.
 10. BOX INTERNAL DETAILS/SECTION/DOOR GASKET ETC. SHALL BE AS PER VENDOR DRAWING WHICH WILL BE SUBMITTED AT THE LATER STAGE.

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS MENTIONED OTHERWISE.
2. ALL DIMENSIONS ARE TO BE READ AND NOT TO BE MEASURED.
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.

REV	DATE	DESCRIPTION	Originator	Checked	Approved
R1	02-09-2024	SECOND SUBMISSION	K.B	V.S/R.K	SK
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

Certified that this document has been designed and checked in accordance with GC Quality Assurance Plan.

egis AECOM WSP

EGIS-AECOM-WSP

Senior Discipline Expert Chief Discipline Expert Project Director

Certified that this document has been designed and checked in accordance with DDC Quality Assurance Plan.

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

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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 - Soladevanahalli)

Drawing Title: Typical Buried Rail Connection Arrangement Drawing (RCMB) - Mathikere 220/33/27.5 kV GIS Substation

Paper Size: A3 Discipline: Power Supply & Traction System Date: 09/08/2024 Scale: TS/NTS

Drawing no.: KRDD01-TDR-GEN-GEN-TPS-DWG-00020 Revision: R1

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