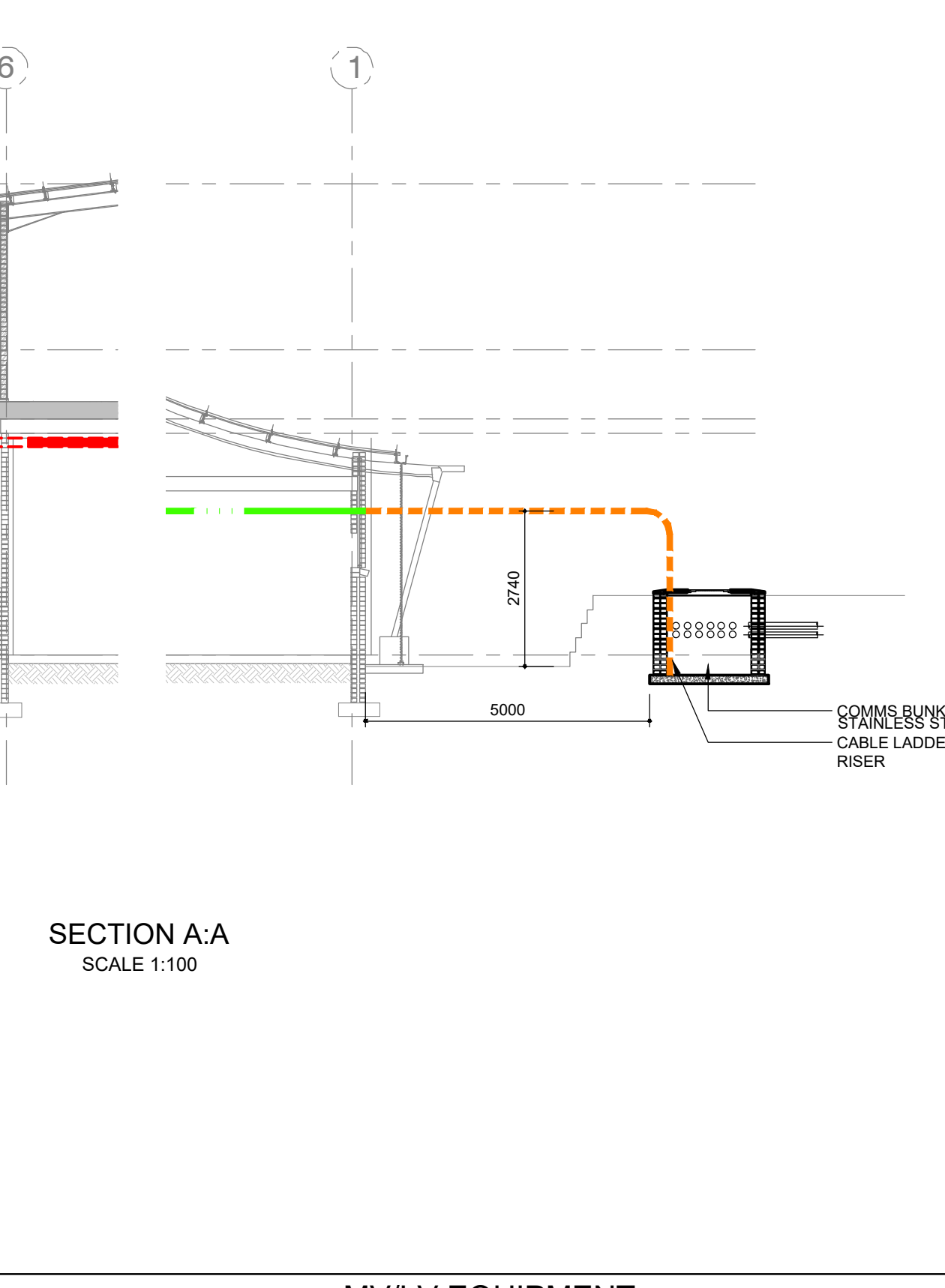
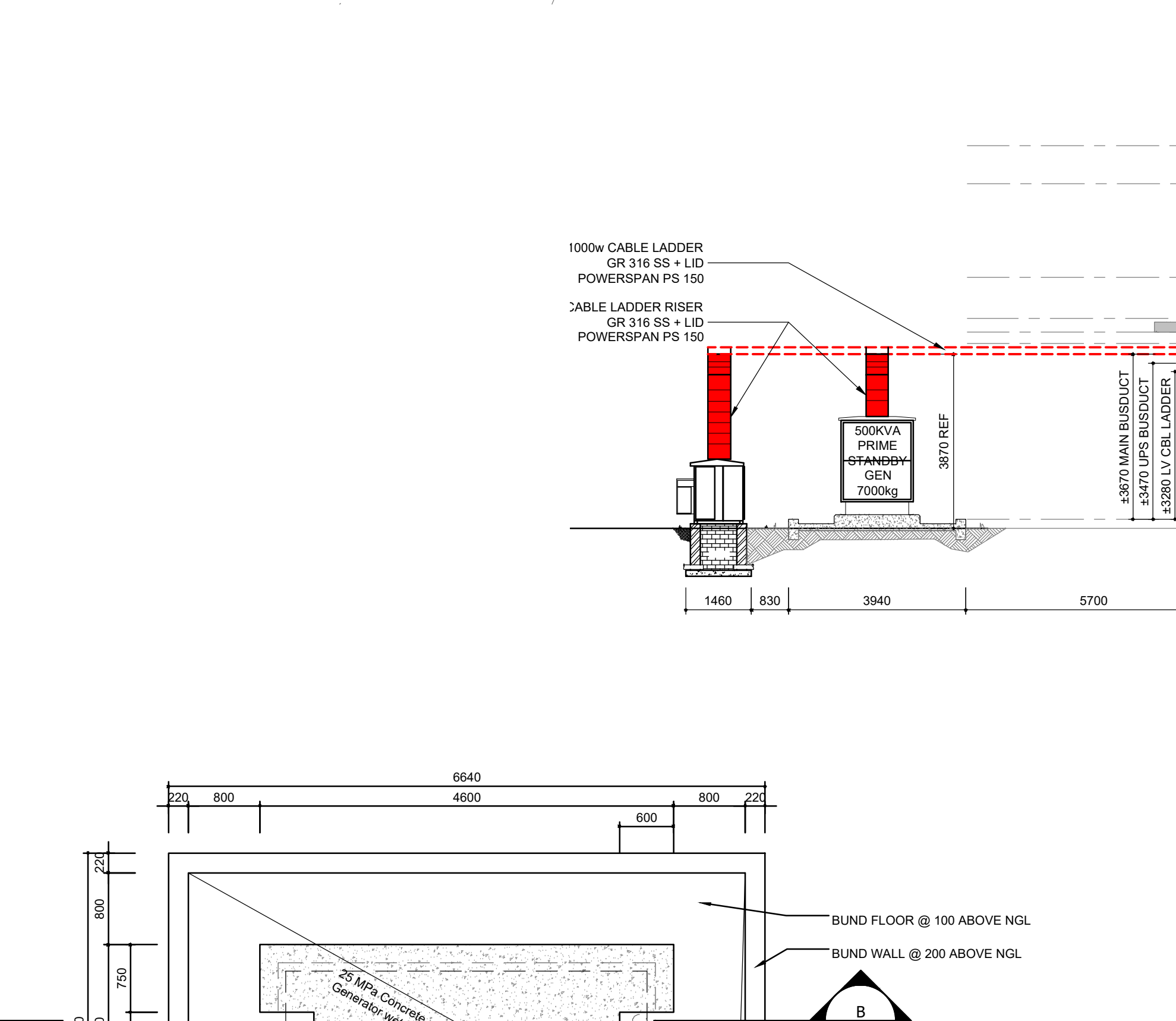
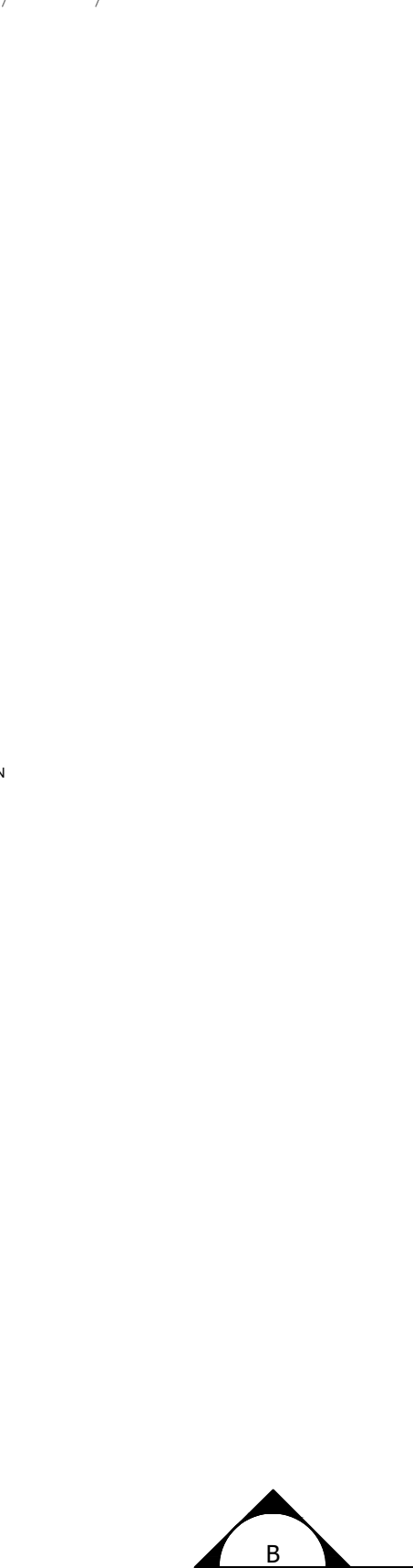
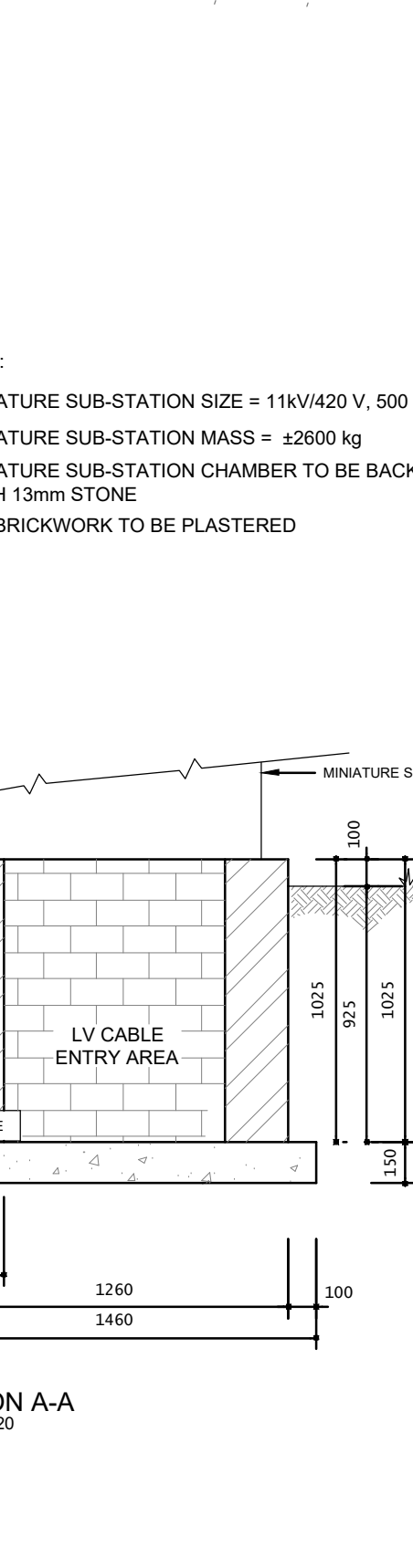
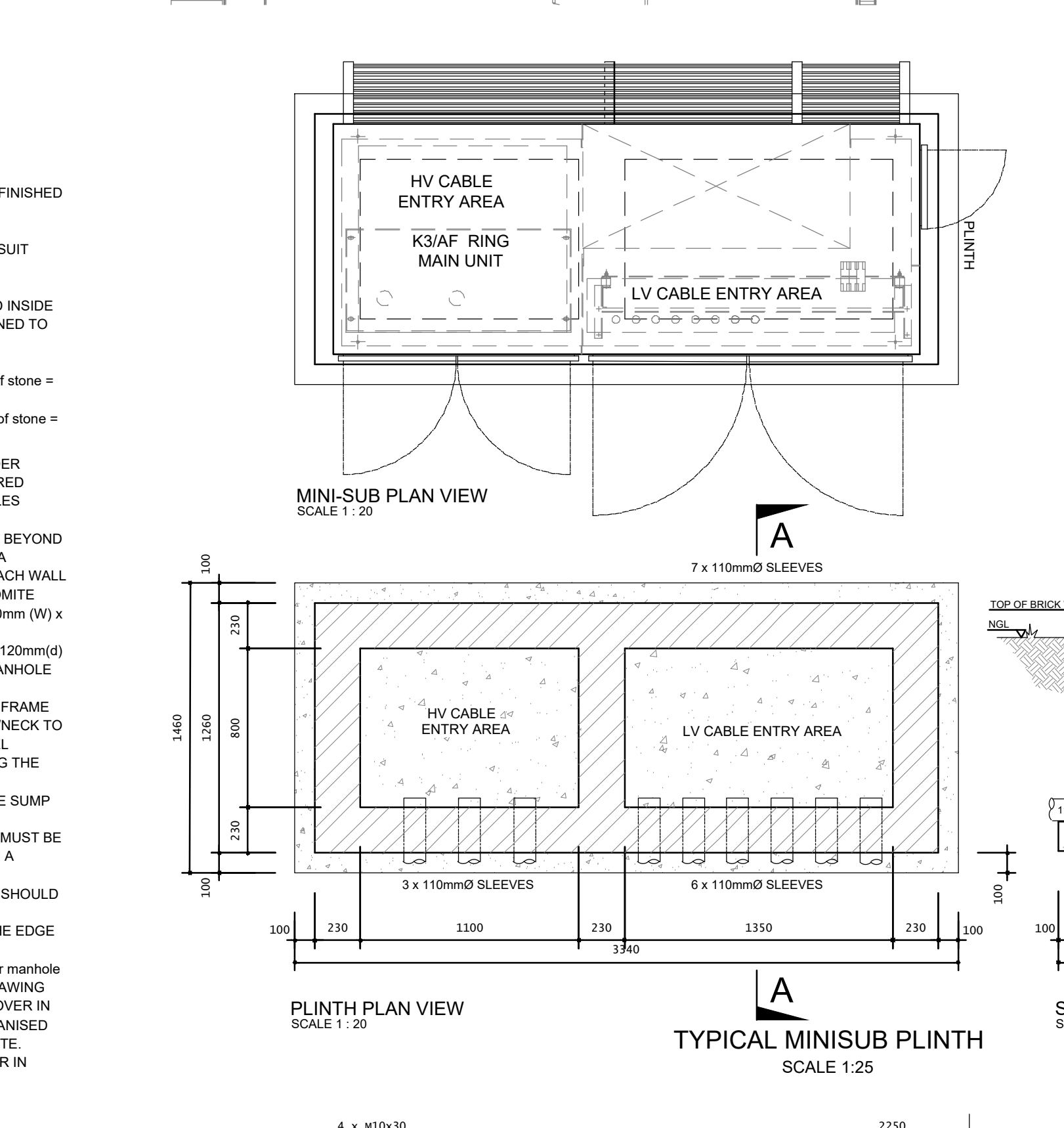


- MANHOLE NOTES**
1. COVER TO BE SET CENTRAL TO BROOKWORK
 2. TOP SURFACE OF COPING TO BE FINISHED SMOOTH AND TO SUIT LEVEL OF SURROUNDING PAVING
 3. NUMBER OF BRICK COURSES TO SUIT DEPTH OF SLEEVES
 4. BRICK CONSTRUCTION
 5. JUNCTION BOX TO BE PLASTERED INSIDE
 6. MANHOLE COVER TO BE POSITIONED TO LINE UP WITH EXTERNAL FINISHES
 7. CONCRETE MIX:
a) Footway: 5:3:1 (Diameter of stone = 10mm)
b) Roadway: 4:2:1 (Diameter of stone = 10mm)
 8. CONCRETE FOR SERVICE PROVIDER APPLICATIONS SHOULD HAVE A CURED STRENGTH OF 20 MPa FOR MANHOLES
 9. SHUTTERING: Height 1.8m
 10. 7 BEAMS SHOULD NOT PROJECT BEYOND MANHOLE WALLS BUT SHALL HAVE A FOOTING OF AT LEAST 120mm ON EACH WALL
 11. 7 BEAMS TO BE USED FOR CHROMITE TREATED MANHOLES: 160mm(H) x 70mm(W) x 6mm(Pk)
 12. A FLOOR SUMP OF 220mm(H) x 120mm(W) TO BE PLACED DIRECTLY UNDER MANHOLE COVER
 13. AFTER CASTING THE ROOF, THE FRAME MUST BE POSITIONED IN THE ROOF/NECK TO ALLOW FOR ULTIMATE SIGHT LEVEL ALTERATIONS WITHOUT DISTURBING THE ROOF STRUCTURE
 14. A SLOPE OF 20mm TOWARDS THE SUMP SHOULD BE PROVIDED
 15. WHERE A NECK IS REQUIRED, IT MUST BE WITH CONCRETE OR BUILT UP WITH A DOUBLE LAYER OF BRICKS
 16. ADDITIONAL FRAME AND COVER SHOULD BE PROVIDED WHEN REQUIRED
 17. ANGLE IRON TO BE FITTED AT THE EDGE OF CORRUGATED IRON SHEETING
 18. MEASUREMENTS SHOWN ON DRAWING
 19. COMES: CIRCULAR MANHOLE COVER IN SQUARE CONCRETE COPING, GALVANISED POT TYPE LID FILLED WITH CONCRETE
 20. DATA: SQUARE MANHOLE COVER IN SQUARE CONCRETE COPING



MV/LV EQUIPMENT		
TYPE	Description	Qty
BULK METERING UNIT	11kV RMU WITH METERING	2
MINISUB	11kV/420V 630 KVA	2
STANDBY GENERATOR	500 KVA PRIME	2

MV / LV CABLE RUNS		
Duty	Size	Qty (m)
MV CABLE FROM BMU-1 TO MSB-B	70mm² x3C XLPE+70mm² BCW	427
MV CABLE FROM MSB-B TO MSB-A	70mm² x3C XLPE+70mm² BCW	26
MV CABLE FROM MSB-A TO BMU-2	70mm² x3C XLPE+70mm² BCW	105
		TOTAL
LV CABLE FROM MINISUBS AND GENERATORS TO LV ROOM		180mm² XLPE
		242

MANHOLES & BUNKERS		
TYPE	Description	Qty
COMM BUNKER	BRICK CONSTRUCTION WITH CONCRETE SLAB AND TOP WITH APPROVED MANHOLE AND STRUCTURAL MEMBERS AS REQUIRED INTERNAL DIMENSIONS 3000 L x 1500 W x 1500 D	6
LV ELECTRICAL	BRICK CONSTRUCTION WITH CONCRETE SLAB AND TOP WITH APPROVED MANHOLE AND STRUCTURAL MEMBERS AS REQUIRED INTERNAL DIMENSIONS 1600 L x 1600 W x 1500 D	0

- General Notes:**
- All dimensions and levels are to be checked on site by the Contractor and discrepancies must be reported to the Architect before any work commences.
 - This drawing is to be read in conjunction with all other drawings including those of Consultants and or Bills of Materials and/or specifications issued for this project.
 - Scaled dimensions are not to be used for construction. Should there be any discrepancy or lack of dimensions the Architects are to be contacted for clarification.
 - Only drawings numbered 200 and onwards and showing the latest revision are to be used for construction. All previously issued drawings are to be destroyed.
 - This drawing is only to be used for the project and site for which it was prepared.
 - No setting out is to commence before the positions of the boundary pegs on the site have been verified by a Land Surveyor.
 - Sewer connections to comply with municipal regulations.
 - The Architects reserve the copyright on this drawing.

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Drawing Revisions		
Revision	Date	Drawn/Description/By

Client:

east london idz
business streamlined

Client Approval:

Discipline:

ELECTRICAL ENGINEERING SERVICES

Project Title:

PROPOSED DATA CENTRE ON ERF 60857

Drawing Name:

BULK POWER AND ICT ROUTES

Issue Date: 2022-09-30
Technician: B Edworthy
Checked By: D. Posthumus
Drawing Scale: 1:400

DC-EL-WD-4000

ISSUED FOR: INFORMATION