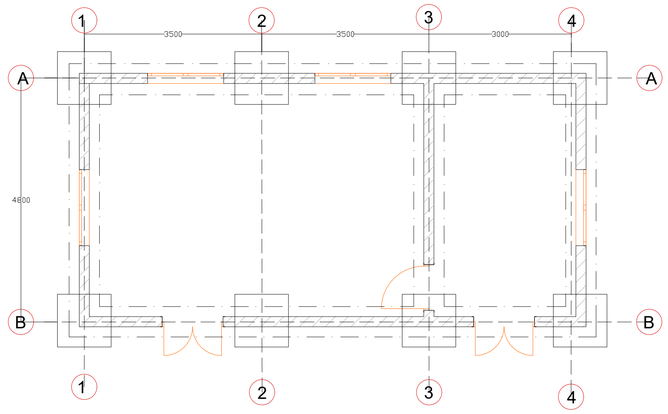
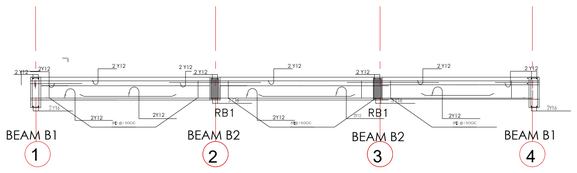
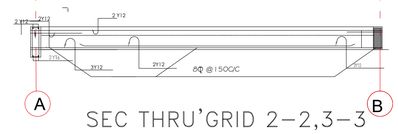


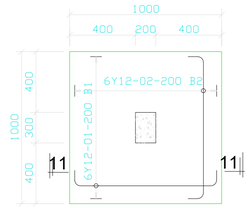
FOUNDATION LAYOUT



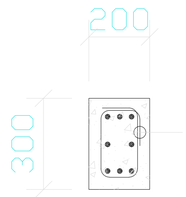
SEC THRU'GRID 1–1,2–2

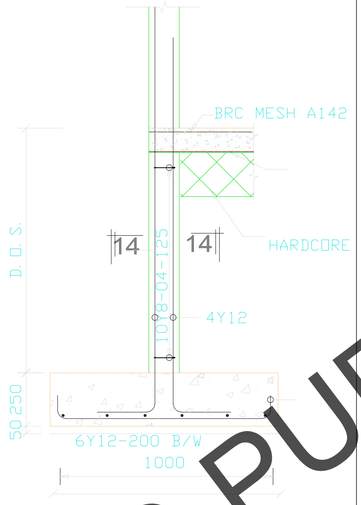


SEC THRU'GRID 2–2,3–3

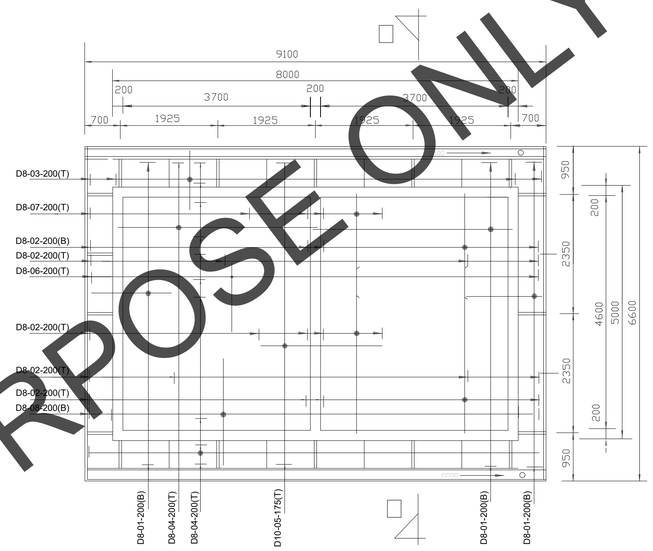


TYPICAL BASE

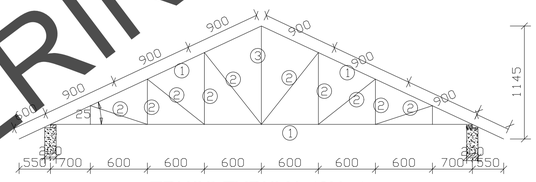




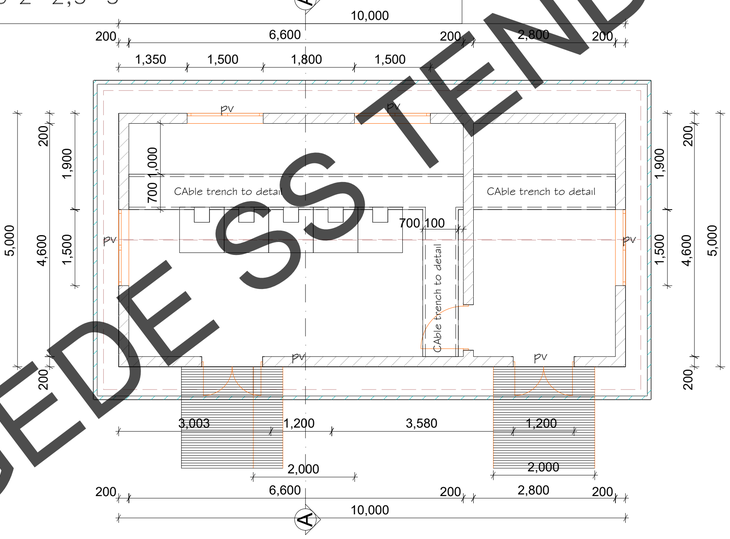
FOUNDATION AND COLUMN DETAILS

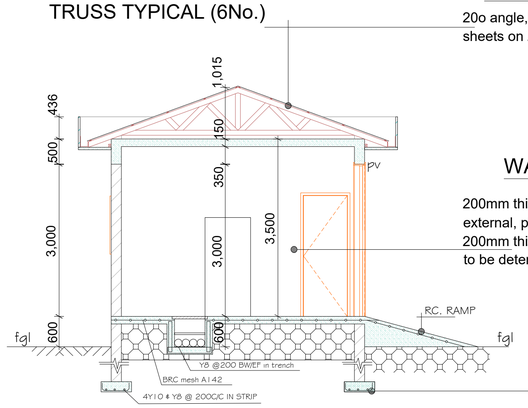


ROOF SLAB PLAN



TRUSS TYPICAL (6No.)





BRC mesh A142

ROOFING SPECIFICATIONS

20o angle,IT4 Pre-painted blue 26G roofing sheets on ZED purlins on 50 x 50x6mm steel trusses

WALLING

200mm thick masonary stone walling well dressed external, plastered and painted to approval on the internal. 200mm thick foundation stone walling and depth to be determined on site.

CONCRETE WORKS

i)150mm thick reinforced conc. slab with reinforced ring beam to eng's details.
ii)250 mm thick base on 50mm blinding layer
iii)600 x 200mm mass conc. strip foundation to eng's details.

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GENERAL NOTES:

1:THE MINIMUM 28 DAYS CONCRETE STRENGTH SHOULD BE;
COLUMN CLASS 25/30
WATER TANK & LIFT SHAFT/SHEAR WALLS CLASS 25/30
ALL OTHER STRUCTURAL MEMBERS CLASS 20/25

2:REINFORCEMENT TO BE HIGH YIELD RIBBED ('T') BARS WITH MINIMUM TENSILE STRENGTH OF 500N/mm2

3: MINIMUM COVER TO MAIN REINFORCEMENT TO BE;
COLUMNS =40mm
CONCRETE WALLS =40mm
FLOOR BEAMS =25mm
FLOOR SLABS =20mm
STAIRCASE =20mm

4: MINIMUM LAPS ARE 50 x DIAMETER OF THE BAR
5: ALL REINFORCEMENT TO BE INSPECTED BY THE STRUCTURAL ENGINEER BEFORE CONCRETING
6: THE STRUCTURAL DRAWING TO BE READ IN CONJUNCTION WITH ARCHITECTURAL & M.E.P DRAWINGS
7: ALL FOUNDATIONS TO BE TAKEN DOWN TO FIRM BEARING STRATA TO ENGINEER'S APPROVAL.
8: FOUNDATIONS DESIGNED FOR ALLOWABLE BEARING PRESSURE OF 250 KN/m2

SPECIFIC NOTES:

THE SUBSTATION LEVEL ADOPTED FOR KPLC SHOULD BE AS FOLLOWS:

1. CONTROL BUILDING SHOULD BE 1 METER ABOVE SWITCH YARD LEVEL.
2. SWITCH YARD LEVEL SHOULD BE 600MM ABOVE AVERAGE ADJACENT GROUND LEVEL (TO AVOID FLOODING)
3. THE AVERAGE ROAD LEVEL SHOULD DRAIN WATER OUTSIDE THE SUBSTATION PREMISE.
4. TOP OF TRANSFORMER LEVELS TO BE 500MM ABOVE SWITCH YARD

NO.	DATE	REVISION	CHECKED	SIGN

CONSULTANTS:
KPLC

LOCATION
GEDE TOWN

Project
CIVIL AND BUILDING WORKS FOR GEDE 33/11 KV SUBSTATION

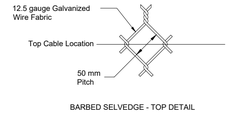
Description: PROPOSED RCC DETAILS OF CONTROL BUILDING FOR 33KV SUBSTATION

Designed by:	Drawn by:	Checked by:
	DUNCAN.C.KONES	JARED ARUDHI

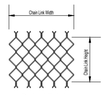
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Project No | Drawing. No: Gede **01**

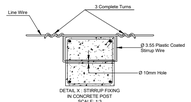
CHAIN LINK FENCE DETAILS



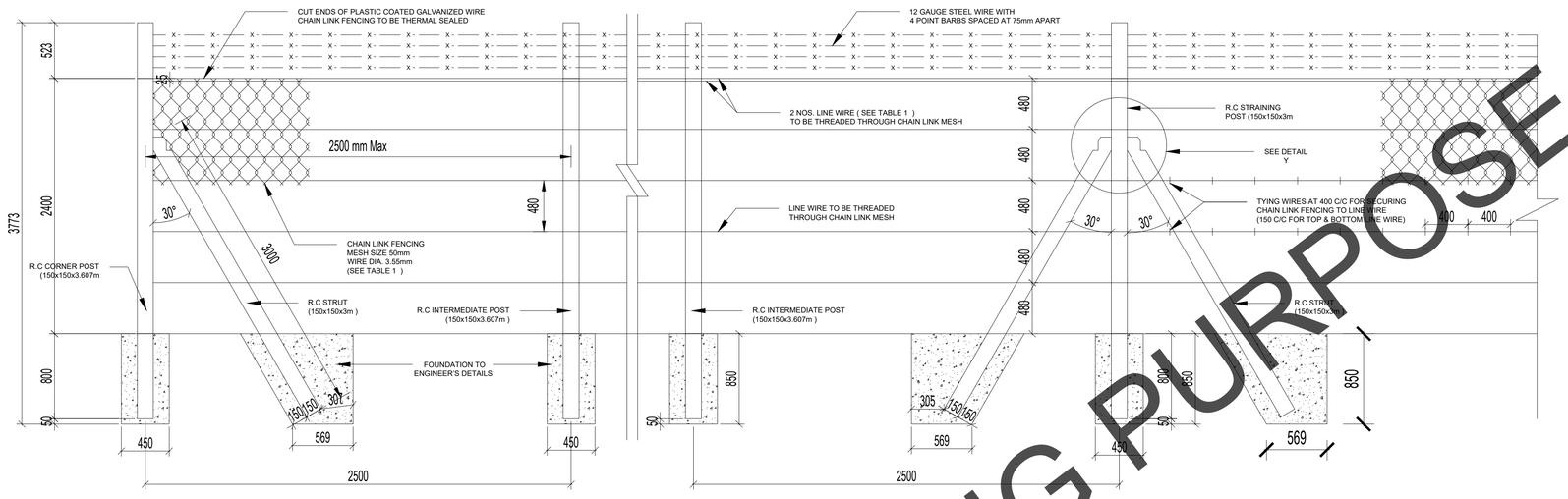
BARBED SELVEDGE - TOP DETAIL

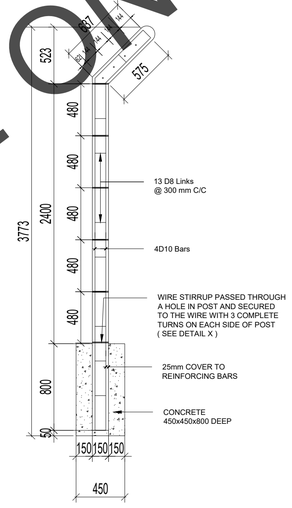


Barbed Fabric



DETAIL X : STIRRUP FIXING
IN CONCRETE POST
SCALE: 1:3

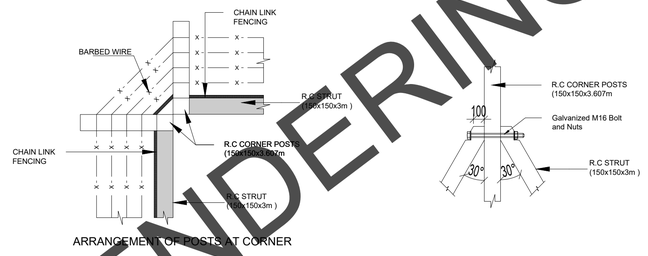




CONCRETE POSTS

PLASTIC COATED GALVANISED WIRE CHAIN LINK FENCING		
	OUTSIDE DIA. mm	CORE DIA. mm
CHAIN LINK FENCING	4.75	3.55
LINE WIRE	4.75	3.55
STIRRUP WIRE	3.55	2.50
TYING WIRE	2.00	1.40

TABLE 1 : SIZES OF WIRES



ARRANGEMENT OF POSTS AT CORNER

NOTES

1. EXCEPT WHERE OTHERWISE STATED, THE CHAIN LINK FENCE SHALL GENERALLY BE IN ACCORDANCE WITH B.S. 1722 PART 10 AND B.S. 4102.

2. THE CHAIN LINK FENCING SHALL BE OF 50mm WIRE MESH TO A NET GAUGE OF 3.55mm DIA. AND GALVANIZED.

3. ALL POSTS SHALL BE SPACED AT NOT MORE THAN 3 METERS APART.

4. STRAINING POSTS SHALL BE SPACED EQUALLY AND PROVIDED AT ALL ENDS AND CORNERS, AT CHANGES IN DIRECTION OR ACUTE VARIATIONS IN LEVEL AND AT INTERVALS NOT EXCEEDING EVERY TEN POST IN STRAIGHT LENGTHS OF FENCE THAT IS 30 METERS.

5. ALL BOLTS, NUTS, STAPLES AND WASHERS SHALL BE PLATED OR COATED WITH STAINLESS METAL.

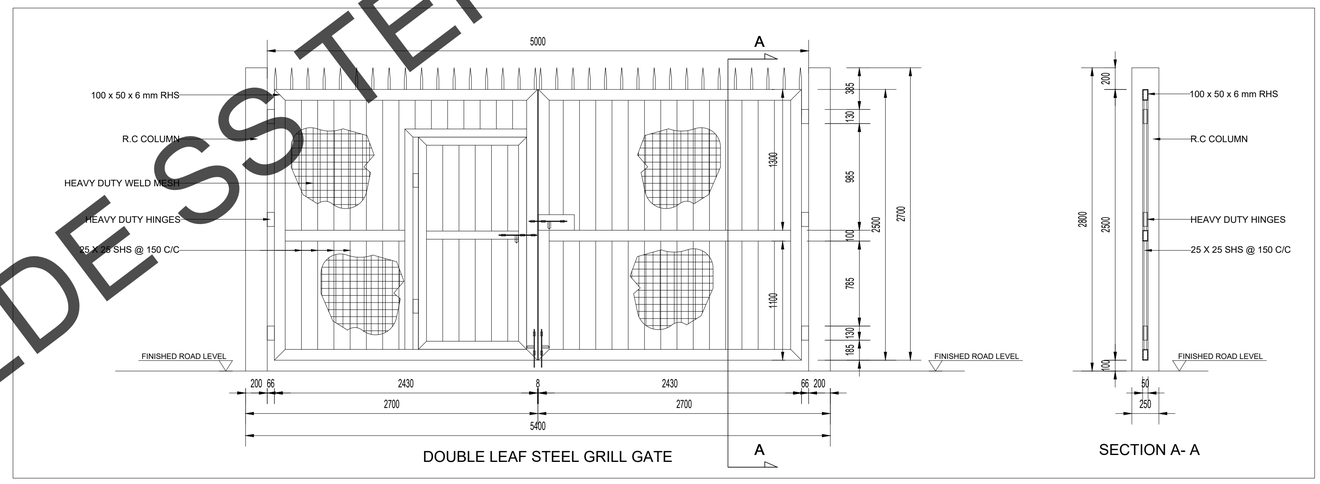
6. LINE WIRE SHALL BE TO A NET GAUGE OF 3.55mm DIA, AND GALVANIZED.

7. THE BARBED WIRE SHALL CONSIST OF 2 PLY DIA. 2.5mm STEEL WIRE WITH 4 POINT BARBS SPACED AT 75mm APART AND GALVANIZED.

8. ALL LINE WIRES, CHAIN LINK FENCING AND BARBED WIRES SHALL BE PROPERLY STRAINED.

9. ALL STRUCTURES ABOVE GROUND TO BE AT LEAST 2.3 METERS CLEAR OFF ALL BOUNDARIES.

10. ALL CONCRETE TO BE CLASS 25 AND ABOVE UNLESS OTHERWISE SPECIFIED.



DOUBLE LEAF STEEL GRILL GATE

SECTION A- A

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4. TOP OF TRANSFORMER LEVELS TO BE 500MM ABOVE SWITCH YARD

NO.	DATE	REVISION	CHECKED	SIGN

CONSULTANTS:
KPLC

LOCATION
GEDE TOWN

Project
CIVIL AND BUILDING WORKS FOR
GEDE 33/11 KV SUBSTATION

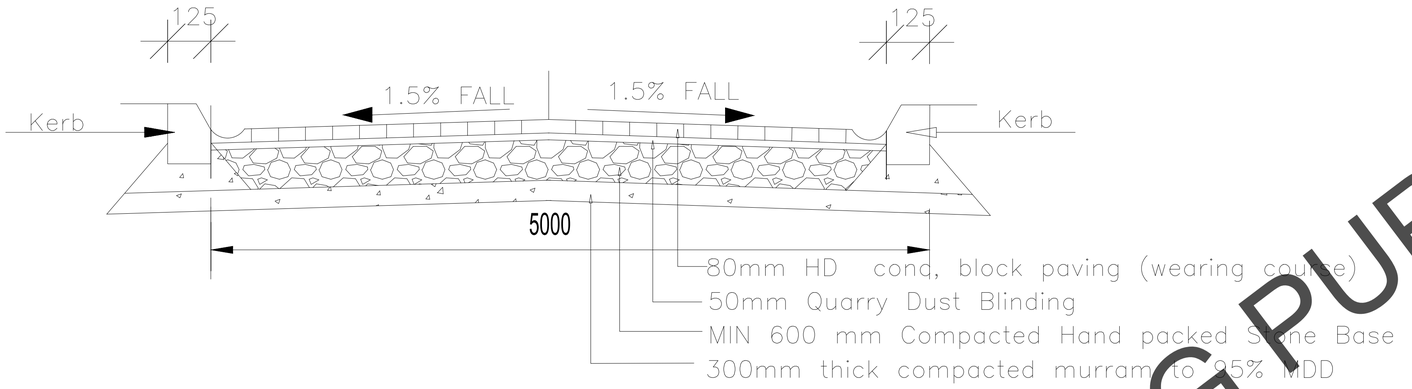
Description: CHAINLINK FENCE & GATE DETAILS

Designed by:
Drawn by: DUNCAN.C.KONES
Checked by: JARED ARUDHI

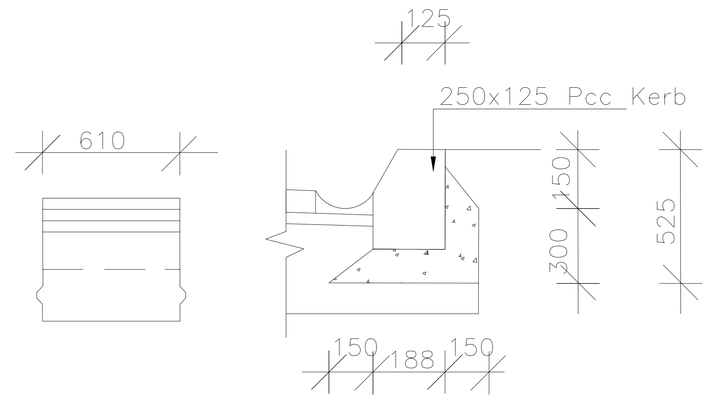
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Date NOVEMBER, 2026.

Project No
Drawing. No: Gede **02**

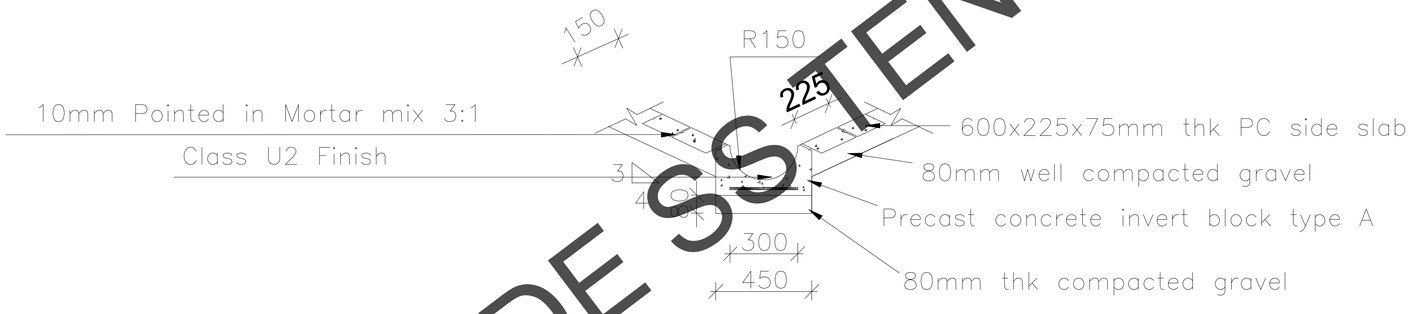
ACCESS ROAD & INVERT BLOCK DRAINS



TYPICAL SECTION THROUGH
ACCESS ROAD
SCALE 1:50



SIDE ELEVATION
SCALE 1:35



END ELEVATION
SCALE 1:35

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CONSULTANTS:
KPLC

LOCATION
GEDE TOWN

Project
CIVIL AND BUILDING WORKS FOR GEDE 33/11 KV SUBSTATION

Description: ACCESS ROAD AND INVERT BLOCK DRAINS DETAILS

Designed by:	Drawn by:	Checked by:
	DUNCAN.C.KONES	JARED ARUDHI

Scale 1:25/50/75/100 | Date NOVEMBER, 2026.

Project No | Drawing. No: Gede **01**