

SITE LAYOUT

APPROVED BY	NAME	DATE	SIGN	REF	DATE	SIGN	CHECKED	DATE
APPROVED BY	SOLOMON WERE							
CONFIRMED BY	KUHI OTILE	15/01/18						
CHECKED BY	THOMAS MOGOI	8/1/2018						
DRAWN BY	JOSPHAT WAMBUA	28/1/18						

PROPOSED RUIRU GO-DOWN PERIMETER WALL

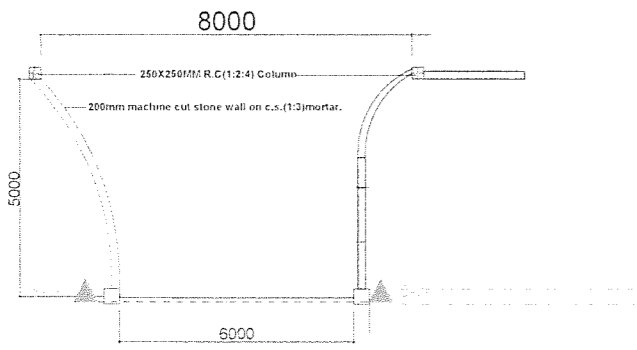
SITE LAY OUT

Scale : 1:500

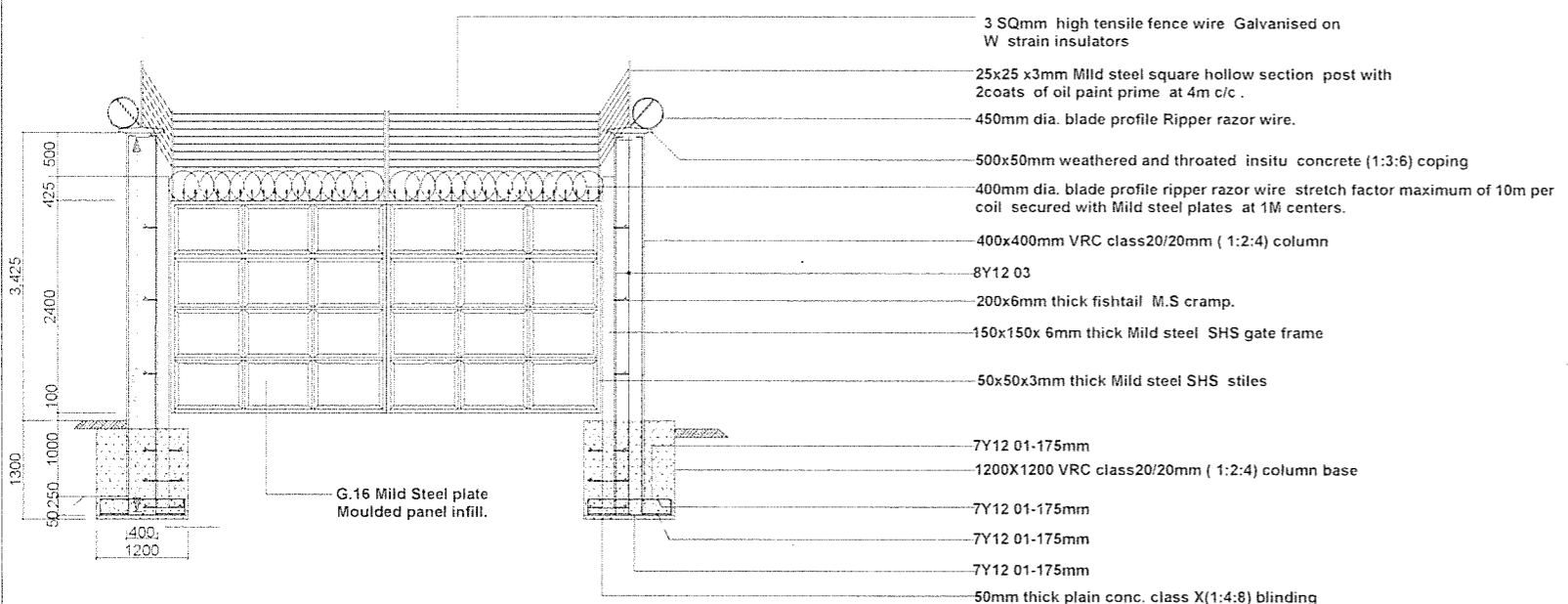
KENYA POWER

SHEET NO. 01

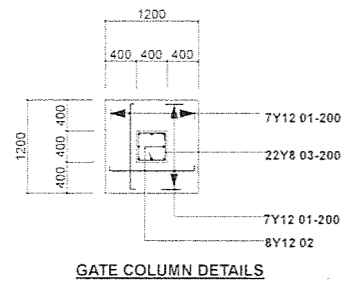
- NOTES**
- All dimensions are in mm unless otherwise specified
 - Drawing are not to scale, only figured dimensions to be used
 - The contractor must check, and verify, all dimensions before commencement of any work.
 - Foundation walls to be of 200mm thick, heavy channel depth (quality) 100, 500, or 65 equivalent on cement sand (1:3) mortar
 - All superstructure walls to be of 200mm thick machine dressed quality stone on (1:3) mortar
 - All intermediate columns to be of size 250x250 mm VMC class 20/20 min. (1:2.4) at 6 m construction joints in 120mm thick fixed expansion and 25/25mm expansion seal at every 20m in 250x250mm columns
 - All adjacent RC work and masonry walls to be tied with hoop bars at every alternate course
 - All openings to have Permanent Ventilators
 - All soil under slope ground area under foundations to be prepared to form compacted
 - All steel reinforcement to be of 12mm diameter unless otherwise specified
 - All pipes to be of CR 10 Mild steel (wall size 6000x2100mm) 1.5x1.5 and 1.5x1.5 to V.R.C. 112.4
- ELECTRIC FENCE**
- All electric fence to comprise 8 strands of high tensile galvanneal fence wire spaced 100mm centres the wiring
 - All electric fence to comprise 4mm single, 40, 40 or equal and approved battery and any other necessary accessories
 - All electrical wiring to in PVC conduit concealed into the stone wall. Block work on cable trench.
 - All cable trenches to be 750mm deep below ground level
- FINISHES**
- All doors and windows to have permanent ventilators (PV)
 - All floor finishes to be 20mm thick polished terrazzo unless otherwise specified
 - All perimeter wall surfaces to have 20mm deep extruding horizontal and flush perforate on sand (1:3) mortar
 - All external beam surfaces to have 150mm thick 1:1.5 concrete of cement and sand (1:3) mortar
 - All external wall surfaces to be 20mm thick with clay bricks on concrete sand (1:3) mortar and 20mm thick cement sand backing
 - All internal wall surfaces at the guard houses to 2 coats of cement sand (1:3) plaster finished smooth
 - All steel floor to receive 3 coats of paint



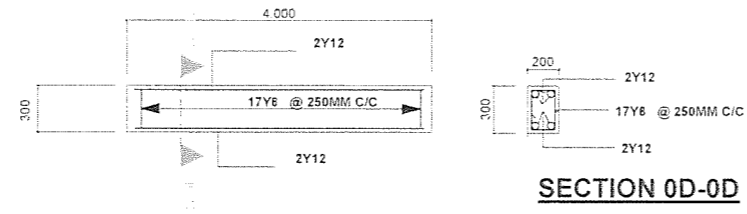
GATE AND GUARD HOUSE PLAN



SECTION 0B-0B

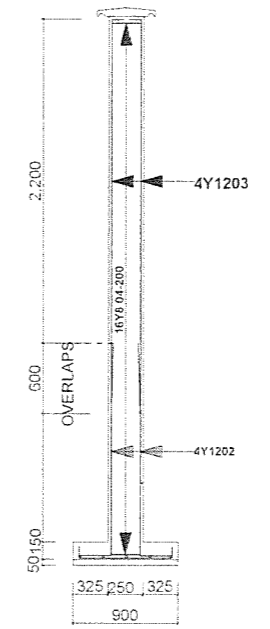


GATE COLUMN DETAILS

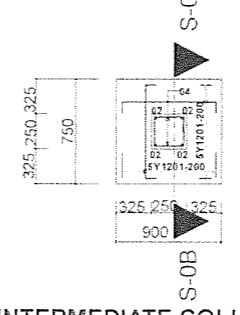


SECTION 0D-0D

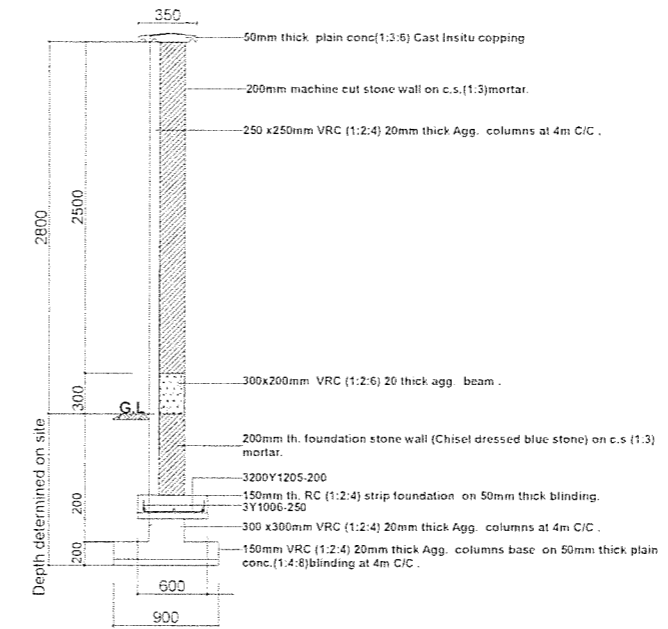
BEAM DETAILS



SECTION 0C-0C



INTERMEDIATE COLUMN DETAILS



WALL COLUMN DETAILS

PROPOSED RUIRU GO-DOWN PERIMETER WALL

GATE HOUSE PLAN, GATE DETAILS, SECTIONS, WALL DETAILS AND COLUMN DETAILS

Scale : 1:75 & 1:50

- NOTES**
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 - Depth of foundation to be determined on site to S.E.'s approval before placing of the concrete.
 - Foundation walls to be of 200mm thick fairly chisel dressed quarry blue stone or its equivalent on cement sand (1:3)mortar.
 - All superstructure walls to be of 200mm thick machine dressed quarry stone on c/s (1:3) mortar
 - All intermediate columns to be of size 250x250 mm VRC class 20/20mm (1:2:4) at 4 m centers
 - construction joints in 12mm thick flexel expansion and 25x25mm expansion sealer at every 20m in 250x250mm columns
 - All adjacent R.C. work and masonry walls to be tied with hoop iron at every alternate course
 - All openings to have Permanent Ventilations
 - All soil under slab around and under foundation to be poisoned for termite control
 - All adjacent R.C. work and masonry walls to be tied with hoop iron at every alternate course
 - All gates to be of G 16 Mild steel overall size 6000x 2100mm (LxH) anchored to V. R. C (1:2:4).

- Minimum cover to main bars:**
- Bases and strip foundation - 50mm
 - Columns & Beams - 25mm
 - Slab - 20mm
- Strike formwork as follows**
- Bases sides - 48Hrs
 - Columns & Beam sides - 48Hrs
 - Beam soffits - 28days
- All Reinforced concrete to be class 20/20mm
- Nominal mix 1:2:4
 - machine mixed and vibrated

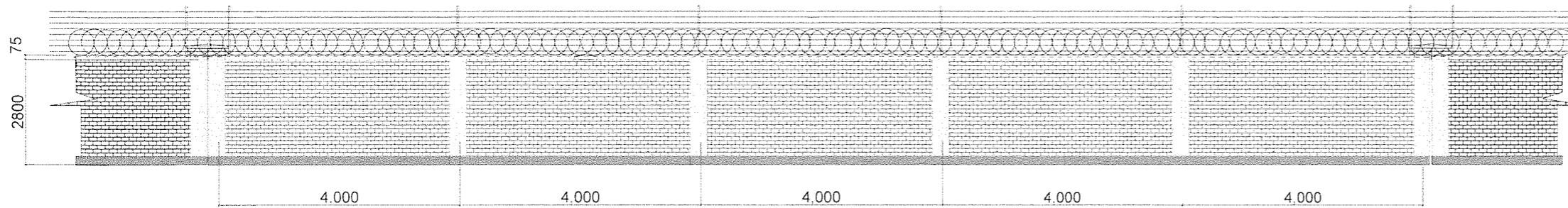
- ELECTRIC FENCE**
- All electric fence to comprise 6 strads of high tensile galvanizes fence wire spaced 100mm centers above the walling
 - All electric fence to comprise Mains energizer EZ 640 or equal and approved battery and any other necessary accessories.
 - All electrical wiring to in PVC conduit concealed into the stone wall block work on on cable trench.
 - All cable trenches to be 750mm deep below ground level.

- FINISHES**
- All doors and windows to have permanent ventilations(PV)
 - All floor finishes to be 40mm thick polished terrazzo unless otherwise
 - All perimeter wall surfaces to have 20mm deep keypointing horizontal and flush perpends on cement sand (1:2)mortar
 - All external beam surfaces to have 15mm thick, 1 No. coatwork of cement and sand (1:3)render wood floated.
 - All column along the road to be stonepitched with clay bricks on cement sand (1:3)mortar and 20mm thick cent sand backing
 - All internal wall surfaces at the guard houses to 2 coats of cement sand (1:3)plaster finished smooth with steel float to receive 3 coats of paint.

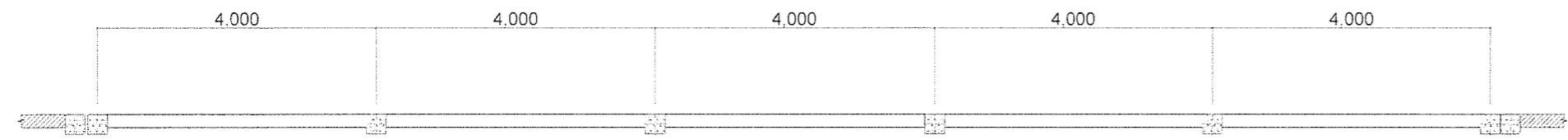
GATE SCHEDULE

No.	Code	Gate Description	Qty
Q1	D1	Mild steel Double leave side hinged gate size 6000x2400mm including pedestrian door size 900x1900mm	03

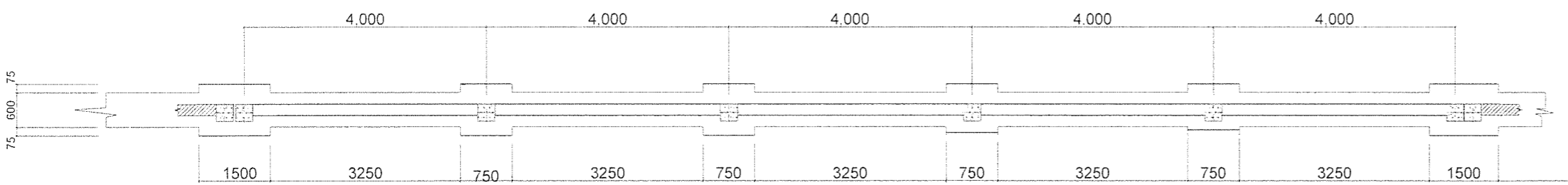
APPROVED BY	NAME	DATE	SIGN	REF	DATE	SIGN	CHECKED	DATE
APPROVED BY	SOLOMON WERE							
CONFIRMED BY	RUTH OYILE	8/11/2018						
CHECKED BY	THOMAS MOGOI	8/11/2018						
DRAWN BY	JOSPAT WAMBUA	8/11/2018						



FRONT VIEW



WALL PLAN



FOUNDATION PLAN

NOTES

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- All openings to have Permanent Ventilations
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- Slab - 20mm

Strike formwork as follows .

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- Culumns & Beam sides - 48Hrs
- Beam soffits - 28days.

All Reinforced concrete to be class 20/20mm

- Norminal mix 1:2:4
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ELECTRIC FENCE.

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FINISHES

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PROPOSED RUIRU GO-DOWN PERIMETER WALL

ELEVATION , WALL PLAN AND FOUNDATION PLAN

Scale : 1:100

KENYA POWER



Kenya Power

SHEET NO- 02

APPROVED BY	NAME	DATE	SIGN	REF	DATE	SIGN	CHECKED	DATE
APPROVED BY	SOLOMON WERE							
CONFIRMED BY	RUTH OYILE	8/01/18	<i>[Signature]</i>					
CHECKED BY	THOMAS MOGOI	8/1/2018	<i>[Signature]</i>					
DRAWN BY	JOSPHAT WAMBUA	8/1/18	<i>[Signature]</i>					