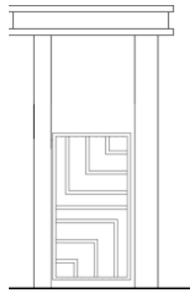
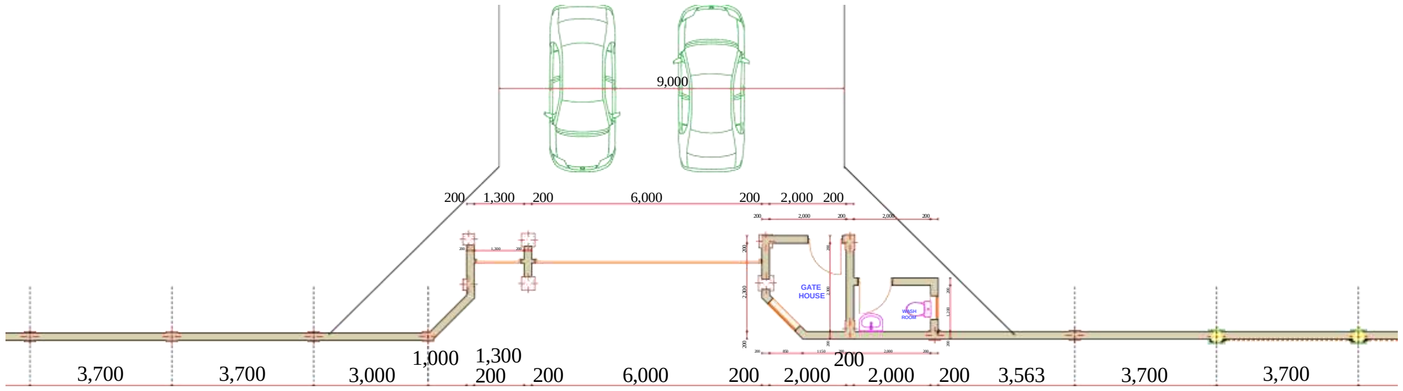
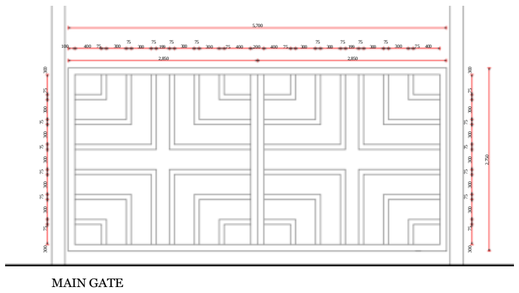


FRONT EVATION

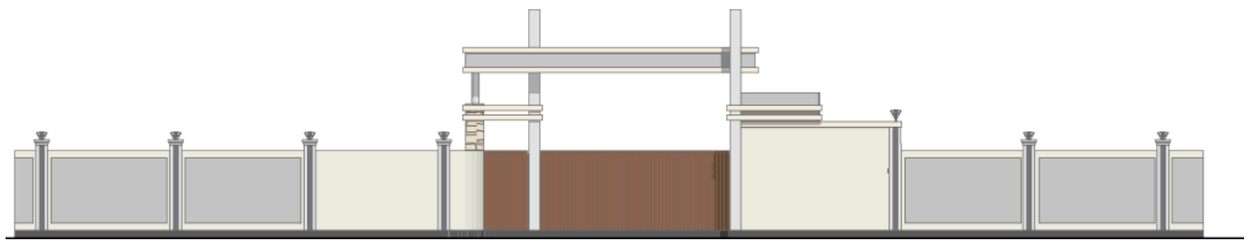


PEDESTRIAN GATE





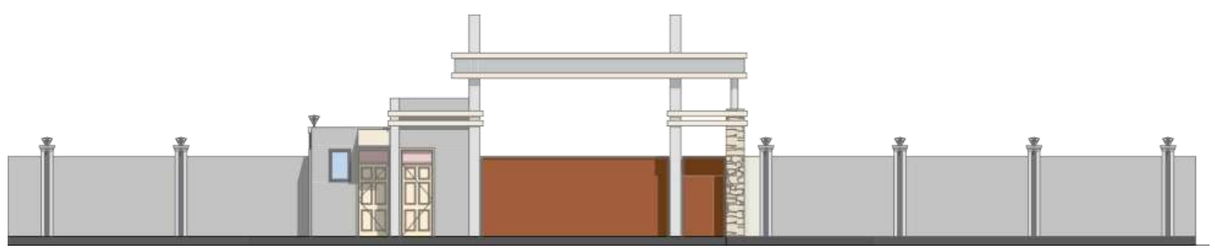
MAIN GATE



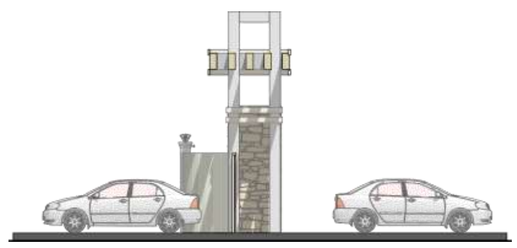
FRONT ELEVATION



SIDE ELEVATION



BACK ELEVATION



SIDE ELEVATION

NOTES

[1] All structural concrete to be class 25/20.

[2] Foundation depth to be determine on site.

[3]Excavation to be inspected before blinding is laid.

[4] Damp proof course (DPC) to be laid under walls.

[5] Hardcore to be hand packed and compacted to engineers satisfaction.

[6] All reinforcement must be inspected by structural engineer before casting concrete.

[7] Strip foundation to structural engineers specs.

[8] This drawing to be read in conjunction with any relevant architectural,civil, structural or any other drawings.

[9] Concrete covers to reinforcement steel to be as follows;

(a) Foundation 50mm
(b) Columns 30mm
(c) Beams 25mm
(d) Slabs 15mm

[10] High yield ribbed bars to KS:ISO6935-2 are denoted "T"

[11] Mild steel reinforcement bars to BS4449 are denoted "R"

[12] Any errors, discrepancies or omissions are to be reported to engineer immediately for correction before work is undertaken.

[13] Assumed bearing capacity =100KN/M2/

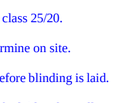
[14] The contractor must confirm the dimensions on site before commencing of any work.

[15] Minimum crushing strength of masonry stones or building blocks to be 7N/MM2 /.

[16] All black cotton soil shall be removed during excavation of foundation.

[17] Minimum lap length of all reinforcement bars shall be 50 x bar diameter.

Designed By: Joseph N.Ngige
+254790905731



LAMU EAST CONSTITUENCY

ISSUES

DATE	TO	APPLICATION	TO

REVISIONS

NO	DATE	BY	DESCRIPTION	GRP.LDR.	C.S.ENG

REFERENCE DRAWINGS;

PROJECT TITLE:
CONSTRUCTION TO COMPLETION OF PERIMETER WALL AND GATE, GATE HOUSE AT KIZINGITINI SECONDARY SCHOOL
LAMU EAST CONSTITUENCY

DRAWING NAME:
GATE DESIGN

C1/sfb		
M.O.T.I.H & U.D	DRG No.	
	FILE No.	

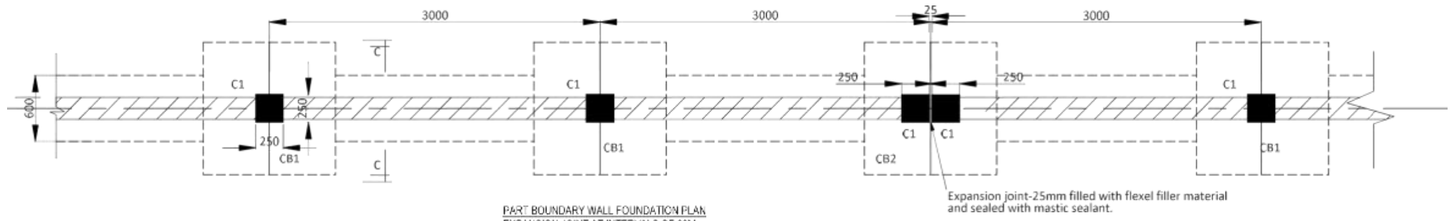
FIGURE DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWINGS

APPROVED BY; COUNTY PUBLIC WORKS OFFICE

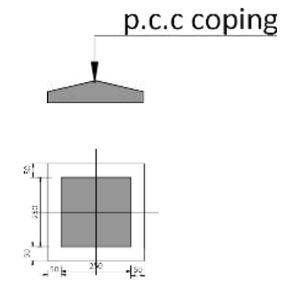
	NAME	SIGN	DATE
DESIGN/DRAWN	JOSEPH.N.NGIGE		
CHECKED BY	Eng. G.JAMES		

MINISTRY OF LAND
PUBLIC WORKS,HOUSING AND URBAN DEVELOPMENT

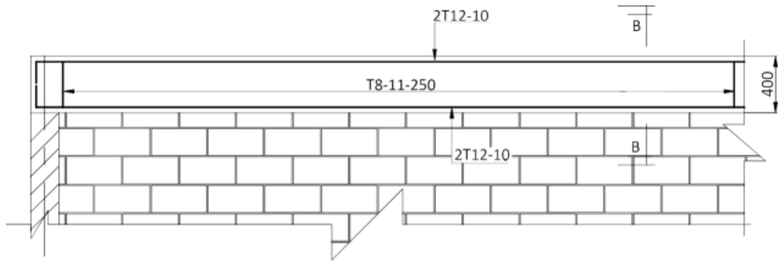
STATE DEPARTMENT OF PUBLIC WORKS
COUNTY WORKS OFFICE -LAMU



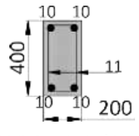
PART BOUNDARY WALL FOUNDATION PLAN
EXPANSION JOINT AT INTERVALS OF 30M
SCALE (1:25)



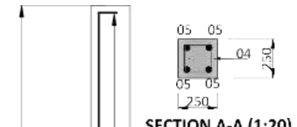
COLUMN COPING SCALE 1:10



400X200 GROUND BEAM
(1:25)

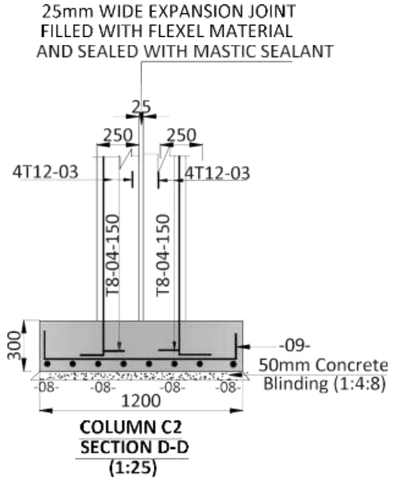


SECTION B-B (1:20)

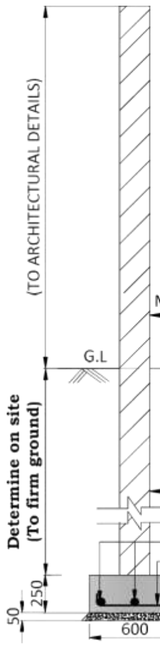


SECTION A-A (1:20)

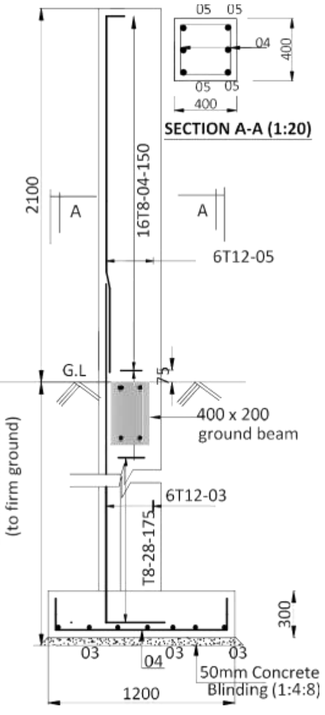
TYPICAL COLUMN C1
(1:25)



COLUMN C2
SECTION D-D
(1:25)

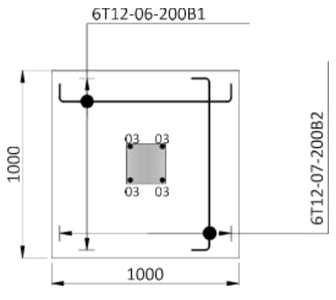


SECTION C-C (THRO' MASONRY WALL)
(1:25)

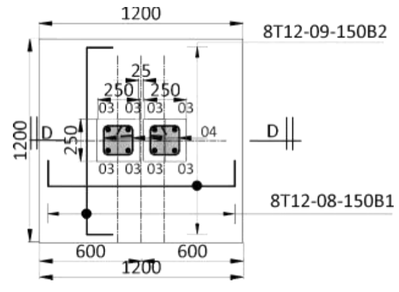


GATE COLUMN C3
(1:25)

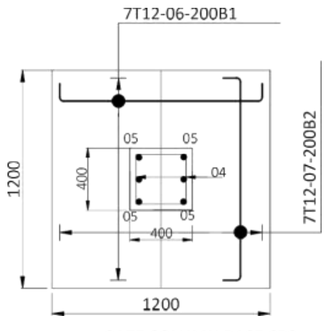
SECTION A-A (1:20)



COLUMN BASE CB1
(1:25)



COLUMN BASE CB2
AT EXPANSION JOINT
(1:25)



GATE COLUMN BASE CB3
(1:25)

NOTES

[1] All structural concrete to be class 25/20.

[2] Foundation depth to be determine on site.

[3]Excavation to be inspected before blinding is laid.

[4] Damp proof course (DPC) to be laid under walls.

[5] Hardcore to be hand packed and compacted to engineers satisfaction.

[6] All reinforcement must be inspected by structural engineer before casting concrete.

[7] Strip foundation to structural engineers specs.

[8] This drawing to be read in conjunction with any relevant architectural,civil, structural or any other drawings.

[9] Concrete covers to reinforcement steel to be as follows;

(a) Foundation 50mm
(b) Columns 30mm
(c) Beams 25mm
(d) Slabs 15mm

[10] High yield ribbed bars to KS:ISO6935-2 are denoted "T"

[11] Mild steel reinforcement bars to BS4449 are denoted "R"

[12] Any errors, discrepancies or omissions are to be reported to engineer immediately for correction before work is undertaken.

[13] Assumed bearing capacity =100KN/M2/

[14] The contractor must confirm the dimensions on site before commencing of any work.

[15] Minimum crushing strength of masonry stones or building blocks to be 7N/MM2/.

[16] All black cotton soil shall be removed during excavation of foundation.

[17] Minimum lap length of all reinforcement bars shall be 50 x bar diameter.

Designed By: Joseph N.Ngige
+254790905731

LAMU EAST CONSTITUENCY

ISSUES

DATE	TO	APPLICATION	TO

REVISIONS

NO	DATE	BY	DESCRIPTION	GRP.LDR.	C.S.ENG

REFERENCE DRAWINGS;

PROJECT TITLE:
CONSTRUCTION TO COMPLETION OF PERIMETER WALL AND GATE, GATE HOUSE AT KIZINGITINI SECONDARY SCHOOL LAMU EAST CONSTITUENCY

DRAWING NAME:
GATE DESIGN

C1/sfb		
M.O.T.I.H & U.D	DRG No.	
	FILE No.	

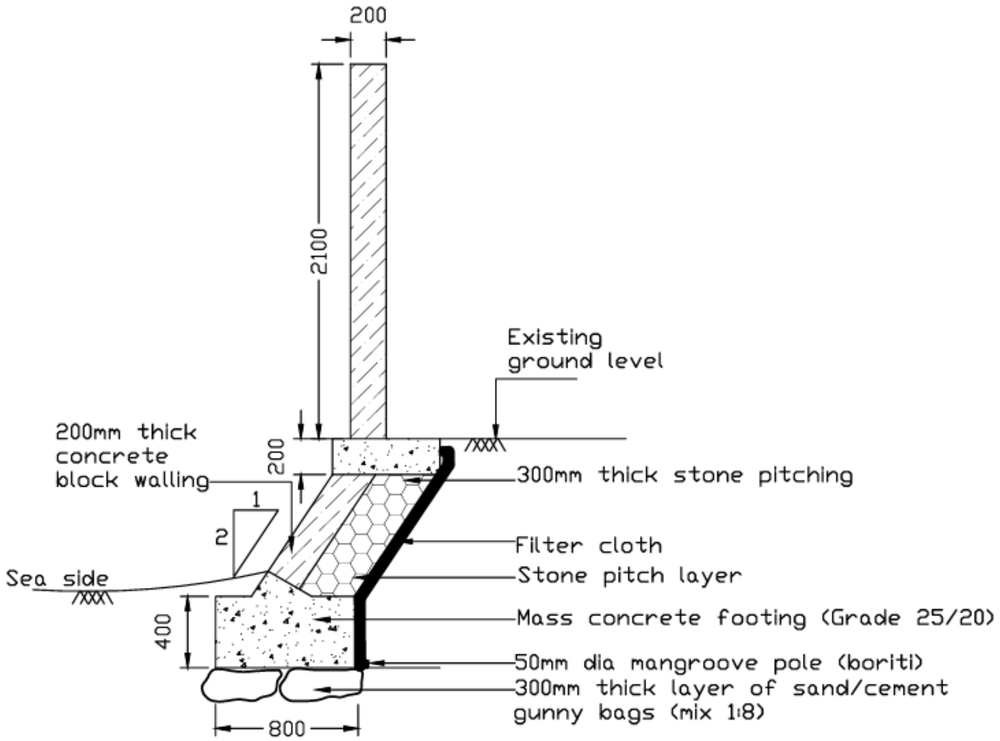
FIGURE DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWINGS

APPROVED BY;COUNTY PUBLIC WORKS OFFICE

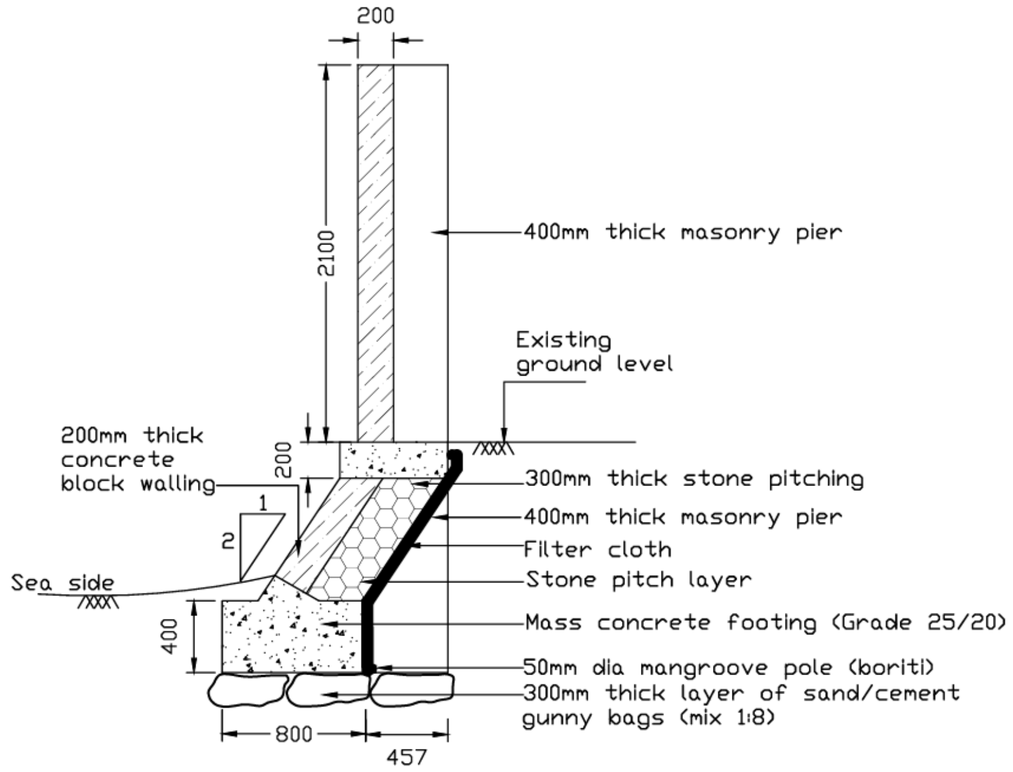
	NAME	SIGN	DATE
DESIGN/DRAWN	JOSEPH.N.NGIGE		
CHECKED BY	Eng. G.JAMES		

MINISTRY OF LAND ,PUBLIC WORKS,HOUSING AND URBAN DEVELOPMENT

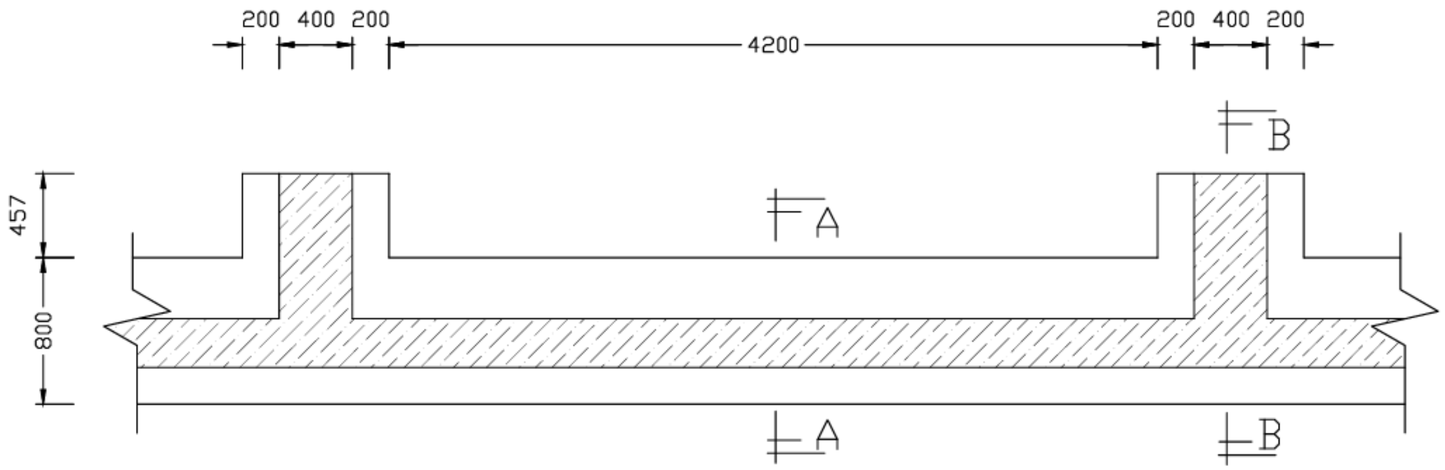
STATE DEPARTMENT OF PUBLIC WORKS
COUNTY WORKS OFFICE - LAMU



SECTION A-A



SECTION B-B



FOUNDATION LAYOUT PLAN

NOTES

[1] All structural concrete to be class 25/20.

[2] Foundation depth to be determine on site.

[3]Excavation to be inspected before blinding is laid.

[4] Damp proof course (DPC) to be laid under walls.

[5] Hardcore to be hand packed and compacted to engineers satisfaction.

[6] All reinforcement must be inspected by structural engineer before casting concrete.

[7] Strip foundation to structural engineers specs.

[8] This drawing to be read in conjunction with any relevant architectural,civil, structural or any other drawings.

[9] Concrete covers to reinforcement steel to be as follows;

(a) Foundation 50mm
(b) Columns 30mm
(c) Beams 25mm
(d) Slabs 15mm

[10] High yield ribbed bars to KS:ISO6935-2 are denoted "T"

[11] Mild steel reinforcement bars to BS4449 are denoted "R"

[12] Any errors, discrepancies or omissions are to be reported to engineer immediately for correction before work is undertaken.

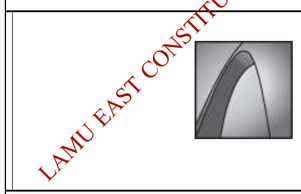
[13] Assumed bearing capacity =100KN/M2/

[14] The contractor must confirm the dimensions on site before commencing of any work.

[15] Minimum crushing strength of masonry stones or building blocks to be 7N/MM2/.

[16] All black cotton soil shall be removed during excavation of foundation.

[17] Minimum lap length of all reinforcement bars shall be 50 x bar diameter.



ISSUES

DATE	TO	APPLICATION	TO

REVISIONS

NO	DATE	BY	DESCRIPTION	GRP.LDR.	C.S.ENG

REFERENCE DRAWINGS;

PROJECT TITLE:
CONSTRUCTION TO COMPLETION OF PERIMETER WALL AND GATE, GATE HOUSE AT KIZINGITINI SECONDARY SCHOOL LAMU EAST CONSTITUENCY

DRAWING NAME:
GATE DESIGN

CI/sfb		
M.O.T.I.H & U.D	DRG No.	
	FILE No.	

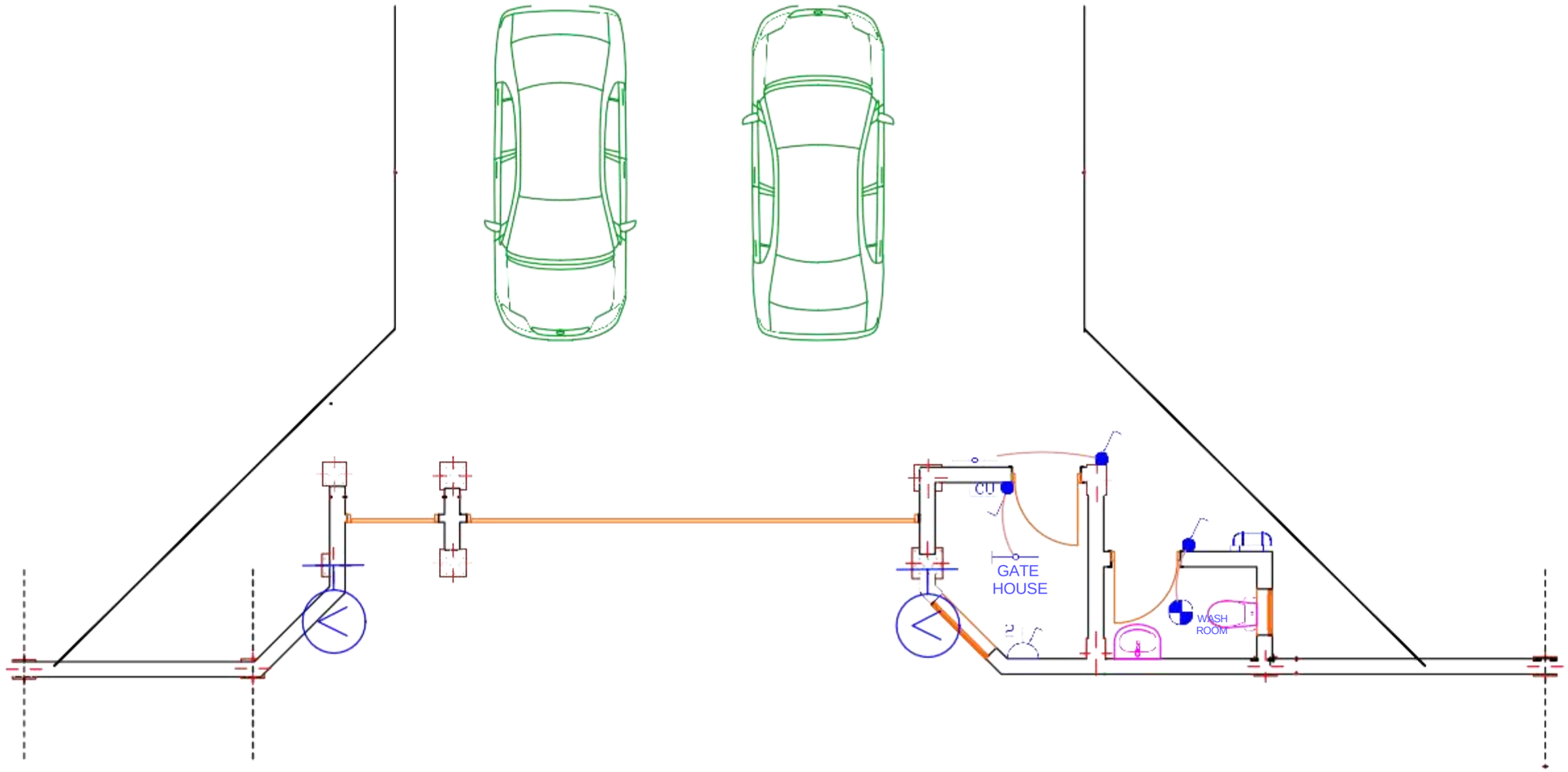
FIGURE DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWINGS

APPROVED BY; COUNTY PUBLIC WORKS OFFICE

	NAME	SIGN	DATE
DESIGN/DRAWN	Eng. James Githui		
SNR.PRINC.SUPT ENG	Eng. G.JAMES		

MINISTRY OF LAND, PUBLIC WORKS,HOUSING AND URBAN DEVELOPMENT

STATE DEPARTMENT OF PUBLIC WORKS
COUNTY WORKS OFFICE - LAMU



LIGHTING DEVICE SCHEDULE		
S/N	SYMBOL	DESCRIPTION
1		4ft LED Tube Light
2		Spherical Screw head bulb
3		Bulkhead Light
4		Flood Light
5		1 Gang Switch
6		2 Gang Switch
7		Twin 13A Socket
8	CU	Consumer Unit

NOTES

[1] All structural concrete to be class 25/20.

[2] Foundation depth to be determine on site.

[3]Excavation to be inspected before blinding is laid.

[4] Damp proof course (DPC) to be laid under walls.

[5] Hardcore to be hand packed and compacted to engineers satisfaction.

[6] All reinforcement must be inspected by structural engineer before casting concrete.

[7] Strip foundation to structural engineers specs.

[8] This drawing to be read in conjunction with any relevant architectural,civil, structural or any other drawings.

[9] Concrete covers to reinforcement steel to be as follows;

(a) Foundation 50mm
(b) Columns 30mm
(c) Beams 25mm
(d) Slabs 15mm

[10] High yield ribbed bars to KS:ISO6935-2 are denoted "T"

[11] Mild steel reinforcement bars to BS4449 are denoted "R"

[12] Any errors, discrepancies or omissions are to be reported to engineer immediately for correction before work is undertaken.

[13] Assumed bearing capacity =100KN/M2/

[14] The contractor must confirm the dimensions on site before commencing of any work.

[15] Minimum crushing strength of masonry stones or building blocks to be 7N/MM/2.

[16] All black cotton soil shall be removed during excavation of foundation.

[17] Minimum lap length of all reinforcement bars shall be 50 x bar diameter.

Designed By: Joseph N.Ngige

+254790905731

LAMU EAST CONSTITUENCY

ISSUES

DATE	TO	APPLICATION	TO

REVISIONS

NO	DATE	BY	DESCRIPTION	GRP.LDR.	C.S.ENG

REFERENCE DRAWINGS;

PROJECT TITLE
CONSTRUCTION TO COMPLETION OF PERIMETER WALL AND GATE, GATE HOUSE AT KIZINGITINI SECONDARY SCHOOL LAMU EAST CONSTITUENCY

DRAWING NAME:
GATE HOUSE ELECTRICAL DESIGN

C1/sfb

M.O.T.I.H & U.D

DRG No.

FILE No.

FIGURE DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWINGS

APPROVED BY;COUNTY PUBLIC WORKS OFFICE

	NAME	SIGN	DATE
DESIGN/DRAWN	JOSEPH N.NGIGE		
ELECTRICAL ENGINEER	PHILIP KAHINDI		

MINISTRY OF LAND, PUBLIC WORKS,HOUSING AND URBAN DEVELOPMENT

STATE DEPARTMENT FOR PUBLIC WORKS
COUNTY WORKS OFFICE - LAMU