



**National Government Constituencies Development Fund Board**

Kisauni Constituency

Karisa Maitha Road/ Opp Jocham Hospital

P.O Box 87910-80100

Mombasa

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**OUR REF: KIS/NG-CDF/BOARD/2021/22-005**

**3<sup>RD</sup> September 2021**

The,

CEO,

NG-CDF BOARD SECRETARIAT,

P.O. BOX 46682-00100,

NAIROBI

Dear Sir,

**RE: BILL OF QUANTITIES (BQ) FOR PROPOSED OF 3 NO. CLASSROOMS AND ADMINISTRATION  
BLOCK AT CONCORDIA SECONDARY SCHOOL**

In reference to the above mentioned subject, please find the attached BQ and drawing.

Your Consideration into this matter will be highly appreciated.

Yours sincerely,

**Fatma M. Abubakar,  
Fund Account Manager,  
NG-CDF Kisauni**



**REPUBLIC OF KENYA**

**MINISTRY OF TRANSPORT, INFRASTRUCTURE, PUBLIC WORKS,  
HOUSING AND URBAN DEVELOPMENT  
STATE DEPARTMENT OF PUBLIC WORKS**

# **BILL OF QUANTITIES FOR**

**PROPOSED CONSTRUCTION OF 2NO CLASSROOMS  
(SECOND FLOOR) ADMINISTRATION AND 1 NO.  
CLASSROOM BLOCK (GROUND FLOOR) AT CONCORDIA  
SECONDARY SCHOOL  
NG- CDF KISAUNI  
(ESTIMATE)**

**REGIONAL QUANTITY SURVEYOR  
MOMBASA REGION  
P.O. BOX 90350  
MOMBASA**

**REGIONAL WORKS OFFICER  
MOMBASA REGION  
P.O. BOX 90350  
MOMBASA**

**JUNE, 2021**

## 2NO CLASSROOMS SECOND FLOOR

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 1: -</u></b> <b><u>REINFORCED CONCRETE</u></b> <b><u>SUPERSTRUCTURE: -</u></b> <b><u>Vibrated reinforced concrete (1:2:4) in: -</u></b>				
A	Beams	10	Cm	12,000	120,000
B	Columns	4	Cm	12,000	48,000
C	150mm suspended slab	131	Sm	1,800	235,800
	<b><u>Formwork to: -</u></b>				
D	Sides and soffites of beams	116	Sm	400	46,400
E	Vertical sides of columns	57	Sm	400	22,800
F	Soffites of suspended slab 75 - 150mm wide	49	Lm	100	4,900
	<b><u>High yield deformed bars: -</u></b>				
G	8mm diameter bars	798	Kg	150	119,700
H	10mm ditto	873	Kg	150	130,950
I	12mm ditto	853	Kg	150	127,950
J	16mm ditto	887	Kg	150	133,050
K	20mm ditto	795	Kg	150	119,250
	<b>TOTAL OF R.C SUPERSTRUCTURE,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>1,108,800</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 2: -</u></b> <b><u>WALLING: -</u></b>				
A	200mm thick machine cut coral block walling in cement sand (1:3) mortar, reinforced every alternate course with hoop iron	107	Sm	1,700	181,900
B	Ditto parapet wall	24	Sm	1,700	40,800
C	Flexcell expansion joint filled with styrapore	24	Sm	1,500	36,000
D	Approved joint sealant	7	Lm	300	2,100
E	150 x 25mm wrot hardwood cover strip nailed on joints	7	Lm	700	4,900
F	Prepare and apply three coats varnish to ditto 200 - 300mm girth	7	Lm	50	350
	<b>TOTAL OF WALLING,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>266,050</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 3: -</u></b> <b><u>DOORS: -</u></b>				
A	Heavy duty mild-steel door size 1500 x 2500mm comprising 50 x 50 x 3mm SHS framing with 4mm gauge 16 panelled plates welded to framing including all necessary hinges, bolts, fanlights with mosquito gauge and metal lugs	2	No	16,000	32,000
B	5mm clear glass fixed to top panels with approved beadings	3	Sm	1,500	4,500
C	Prepare and apply primer and two coats first quality gloss oil paint on mild-steel surfaces	15	Sm	250	3,750
	<b>TOTAL OF DOORS,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>40,250</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 4: -</u></b> <b><u>WINDOWS: -</u></b>				
A	Heavy duty mild-steel casement windows size 1500 x 1500mm comprising 50 x 45 x 3mm thick framing members ("Z" and "T" sections) including all necessary hinges, bolts, fasteners, fanlights with mosquito gauze and metal lugs	10	No	12,000	120,000
B	5mm thick clear sheet glass and glazing with metal putty in panes 0.1 - 0.5sm	23	Sm	1,200	27,600
C	250 x 50mm reinforced concrete (1:2:4) including all necessary reinforcement and formwork	18	Lm	1,200	21,600
D	Prepare and apply primer and two coats gloss oil paint on mild-steel windows	46	Sm	250	11,500
E	Ditto window cill 200 - 300mm girth	18	Lm	50	900
	<b>TOTAL OF WINDOWS,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>181,600</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 5: -</u></b>				
	<b><u>FINISHES: -</u></b>				
	<b><u>Wall finishes: -</u></b>				
A	15mm thick cement, sand, lime (1:1:6) plaster on walls, beams and columns internally	202	Sm	300	60,600
B	15mm thick cement sand (1:3) rendering on walls, beams and columns externally	197	Sm	300	59,100
	<b><u>Floor finishes: -</u></b>				
C	40mm thick polished Terrazzo paving (25mm cement sand backing screed and 15mm thick terrazzo) including plastic dividing strips	131	Sm	300	39,300
D	Ditto on ramp	50	Sm	300	15,000
	<b><u>Ceiling finishes: -</u></b>				
E	15mm thick cement, sand, lime (1:1:6) to soffites of suspended slab	131	Sm	300	39,300
F	Ditto soffites of ramp	131	Sm	300	39,300
	<b><u>White Boards: -</u></b>				
G	White Board size 6 x 1.2m with aluminium framing	2	No	15,000	30,000
	<b><u>Painting: -</u></b>				
	<b><u>Prepare and apply undercoat and two coats first quality plastic emulsion paint on: -</u></b>				
H	Plastered walls internally	101	Sm	250	25,250
I	Rendered walls, beams and columns externally	131	Sm	250	32,750
J	Plastered soffites of suspended slab	131	Sm	250	32,750
K	Plastered soffites of ramp	50	Sm	250	12,500
	<b>Carried to collection</b>				<b>385,850</b>





Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 6: -</u></b> <b><u>FIXTURES AND FITTINGS: -</u></b> <b><u>Balcony railings: -</u></b> <b><u>Mild-steel members welded together and neatly grinded at weld joints: -</u></b>				
A	50mm diameter x 3mm thick CHS hand-rails	19	Lm	600	11,400
B	Ditto mid and bottom rails	38	Lm	600	22,800
C	50mm diameter x 900mm high balusters	96	No	540	51,840
D	Mortice in concrete size 100 x 100 x 100mm deep and grout with cement sand (1:3) mortar	96	No	250	24,000
E	Fanged ends of balusters	96	No	250	24,000
F	Prepare and apply primer and two coats gloss oil paint on 50mm diameter mild-steel pipes	144	Lm	50	7,200
	<b>TOTAL OF FIXTURES AND FITTINGS,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>141,240</b>



Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>PRIME COST AND PROVISIONAL SUMS: -</u></b>				
	<b><u>PRIME COST SUMS: -</u></b>				
A	Provide a prime cost sum of Kenya Shillings One Hundred and Fifty Thousand for Electrical Installation				150,000
	<b><u>PROVISIONAL SUMS: -</u></b>				
B	Provide a provisional sum of Kenya Shillings Fifty Thousand for Contingencies				50,000
C	Provide a provisional sum of Kenya Shillings Seventy Five Thousand for Project Management - Technical Team				75,000
D	Provide a provisional sum of Kenya Shillings Fifty Thousand for Project Management - PMC Allowances				50,000
	<b>TOTAL OF P.C &amp; PROVISIONAL SUMS,</b>				
	<b>CARRIED TO MAIN SUMMARY</b>				<b>325,000</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>MAIN SUMMARY: -</u></b>				
A	BUILDERS WORK FROM PAGE CL / 8				2,217,940
C	P.C & PROVISIONAL SUMS FROM PAGE PS/ 1				325,000
	<b>SUB-TOTAL</b>				<b>2,542,940</b>
	ADD 16% VAT				406,870
	<b>TOTAL CARRIED TO FORM OF TENDER</b>				<b>2,949,810</b>

AMOUNT IN WORDS: .....

.....

CONTRACTOR'S NAME: .....

ADDRESS: .....

SIGNATURE: ..... DATE: .....

NAME OF WITNESS: .....

ADDRESS: .....

SIGNATURE: ..... DATE: .....

**GROUND FLOOR**

**ADMINISTRATION BLOCK**

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 1: -</u></b> <b><u>SUBSTRUCTURE (ALL PROVISIONAL): -</u></b> <b><u>Excavations and Earthworks: -</u></b>				
A	Excavate oversite average 150mm deep and cart away	189	Sm	50	9,450
B	Excavate trench for strip foundation not exceeding 1.5m deep	75	Cm	250	18,750
C	Excavate pits for column bases not exceeding 1.5m deep	70	Cm	250	17,500
D	Ditto 1.5 - 3.0m deep	24	Cm	270	6,480
E	Extra-over excavation for excavating in rock	32	Cm	950	30,400
F	Return fill and ram	45	Cm	100	4,500
G	Cart away surplus excavated material from site	49	Cm	150	7,350
H	Allow for planking and strutting	1	Item	1,500	1,500
I	Allow for keeping excavations free from water	1	Item	1,500	1,500
	<b><u>Hardcore: -</u></b>				
J	300mm thick approved hardcore well compacted in layers	152	Sm	450	68,400
K	50mm thick approved murram blinding	152	Sm	75	11,400
L	Treat hardcore surface with approved anti-termite	152	Sm	200	30,400
	<b>Carried to collection</b>				<b>207,630</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>Concrete works: -</u></b>				
A	Plain concrete (1:4:8) in 50mm blinding under strip foundation	50	Sm	450	22,500
B	Ditto under column bases	38	Sm	450	17,100
	<b><u>Vibrated reinforced concrete (1:2:4) in: -</u></b>				
C	Strip foundation	10	Cm	12,000	120,000
D	Column bases	14	Cm	12,000	168,000
E	Columns	4	Cm	12,000	48,000
F	Ground beam	7	Cm	12,000	84,000
G	100mm surface slab	152	Sm	1,300	197,600
	<b><u>Sawn formwork to: -</u></b>				
H	Vertical sides of columns	55	Sm	400	22,000
I	Sides of ground beam	69	Sm	400	27,600
J	Edges of surface slab 75 - 150mm wide	66	Lm	100	6,600
	<b><u>High yield deformed bars: -</u></b>				
K	8mm diameter bars	963	Kg	150	144,450
L	10mm ditto	1015	Kg	150	152,250
M	12mm ditto	1120	Kg	150	168,000
N	16mm ditto	1277	Kg	150	191,550
O	BRC mesh type A142	152	Sm	400	60,800
	<b>Carried to collection</b>				<b>1,430,450</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>Sub-wall: -</u></b>				
A	200mm thick coral block walling in cement sand (1:3) mortar	150	Sm	1,700	255,000
	<b><u>Damp proof course: -</u></b>				
B	200mm wide Hessian based bituminous felt DPC	115	Lm	100	11,500
C	100mm ditto	4	Lm	80	320
	<b><u>Damp proof membrane: -</u></b>				
D	1000 gauge polythene DPM	152	Sm	100	15,200
	<b><u>Plinth walls: -</u></b>				
E	15mm thick cement sand (1:3) rendering on plinth wall	24	Sm	300	7,200
F	Prepare and apply three coats Bituminous paint on plinth walls	24	Sm	250	6,000
	<b><u>Paving slabs around the building: -</u></b>				
G	Excavate oversite average 150mm deep and cart away	85	Sm	50	4,250
H	600 x 600 x 50mm pre-cast concrete paving slabs jointed with cement sand (1:3) mortar laid on 200mm murram and 50mm sand bed	85	Sm	1,000	85,000
I	Apply "Gladiator" or equal and approved before laying paving slabs	85	Sm	200	17,000
	<b>Carried to collection</b>				<b>401,470</b>





Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 2: -</u></b> <b><u>REINFORCED CONCRETE</u></b> <b><u>SUPERSTRUCTURE: -</u></b> <b><u>Vibrated reinforced concrete (1:2:4) in: -</u></b>				
A	Beams	11	Cm	12,000	132,000
B	Columns	6	Cm	12,000	72,000
C	Staircase	5	Cm	12,000	60,000
D	150mm suspended slab	135	Sm	1,950	263,250
E	150mm landing	6	Sm	1,950	11,700
	<b><u>Formwork to: -</u></b>				
F	Vertical sides of columns	80	Sm	400	32,000
G	Sides and soffites of beams	134	Sm	400	53,600
H	Soffites of suspended slab	135	Sm	400	54,000
I	Soffites of landing	6	Sm	400	2,400
J	Edges of suspended slab 75 - 150mm wide	59	Lm	100	5,900
	<b><u>High yield deformed bars: -</u></b>				
K	8mm diameter bars	1056	Kg	150	158,400
L	10mm ditto	1132	Kg	150	169,800
M	12mm ditto	811	Kg	150	121,650
N	16mm ditto	1745	Kg	150	261,750
O	20mm ditto	650	Kg	150	97,500
	<b>TOTAL OF R.C. SUPERSTRUCTURE,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>1,495,950</b>



Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 4: -</u></b>				
	<b><u>DOORS: -</u></b>				
	<b><u>Timber doors: -</u></b>				
	<b><u>Wrot Hardwood: -</u></b>				
A	150 x 50mm rebated door frame	49	Lm	1,200	58,800
B	150 x 50mm transoms and mullions	15	Lm	1,200	18,000
C	45 x 20mm architrave	37	Lm	250	9,250
D	25mm quadrant mould	37	Lm	150	5,550
E	50mm thick solid panelled door size 900 x 2100mm	4	No	20,000	80,000
F	50mm thick semi-solid core flush door size 900 x 2100mm	5	No	4,000	20,000
	<b><u>Mild-steel doors: -</u></b>				
G	Heavy duty mild-steel door size 900 x 2500mm comprising 50 x 50 x 3mm thick SHS framing, 4mm thick panelled plates (gauge 16) welded to framing including all necessary hinges, bolts, fanlights with mosquito gauze and metal lugs	5	No	15,000	75,000
	<b><u>Iron mongery as "UNION" or equal and approved with matching screws: -</u></b>				
H	100mm brass butt hinges	13.5	Prs	300	4,050
I	Two lever mortice locks	7	No	3,000	21,000
J	Four lever mild-steel door locks	5	No	4,000	20,000
	<b>Carried to collection</b>				<b>311,650</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	25mm diameter rubber door stops	14	No	200	2,800
B	150 x 450mm approved perspex door signage	7	No	2,000	14,000
C	75mm long brass tower bolts	4	No	200	800
	<b><u>Fanlights: -</u></b>				
D	Four blade carrier aluminium louvre jamb units	8	Prs	600	4,800
E	12mm diameter mild-steel burglar proof bars covered with plastic sheath	14	Lm	200	2,800
F	Bore 50mm tiber for 12mm barglar bars	64	No	20	1,280
	<b><u>Glazing: -</u></b>				
G	5 x 150mm clear glass louvre blade	14	Lm	250	3,500
H	5mm clear glass to top panels of mild-steel doors	4	Sm	1,200	4,800
	<b><u>Painting: -</u></b>				
	<b><u>Prepare and apply undercoat and two coats gloss oil paint on: -</u></b>				
I	General surfaces of timber	36	Sm	250	9,000
J	Surfaces 200 - 300mm girth	64	Lm	60	3,840
K	Surfaces not exceeding 100mm girth	74	Lm	40	2,960
	<b>Carried to collection below</b>				<b>50,580</b>
	<b><u>COLLECTION: -</u></b>				
	Brought forward from page ADM / 7				311,650
	Brought down from above				50,580
	<b>TOTAL OF DOORS,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>362,230</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 5: -</u></b>				
	<b><u>WINDOWS: -</u></b>				
	<b><u>Wrot hardwood: -</u></b>				
A	150 x 50mm window frame	84	Lm	1,200	100,800
B	150 x 50mm mullions and transoms	54	Lm	1,200	64,800
C	45 x 20mm architrave with two labours	84	Lm	250	21,000
	<b><u>Louvre frames: -</u></b>				
D	Eight blade carrier aluminium louvre jamb units	36	Prs	1,200	43,200
E	Four blade carrier ditto	5	Prs	600	3,000
F	Two blade carrier ditto	36	Prs	300	10,800
G	150 x 5mm clear glass louvre blade	180	Lm	250	45,000
H	Ditto obscure glass	12	Lm	300	3,600
I	12mm diameter mild-steel burglar proof bars covered with plastic sheath	192	Lm	200	38,400
	<b><u>Window cills: -</u></b>				
J	450 x 75mm thick reinforced concrete (1:2:4) window cill including all necessary reinforcement, formwork and plaster	26	Lm	1,200	31,200
	<b>Carried to collection</b>				<b>361,800</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	Mild-steel window grill size 1500 x 1500mm comprising 50 x 45 x 3mm thick framing and 25 x 25 x 3mm thick SHS members at 100mm centres both ways	12	No	12,000	144,000
B	Ditto size 600 x 600mm	5	No	3,500	17,500
	<b><u>Painting: -</u></b> <b><u>Prepare and apply undercoat and two coats gloss oil paint on: -</u></b>				
C	Surfaces of timber 200 - 300mm girth	138	Lm	60	8,280
D	Surfaces not exceeding 100mm girth	84	Lm	40	3,360
E	Prepare and apply primer and two coats gloss oil paint on window grills	84	Sm	250	21,000
F	Prepare and apply three coats red oxide on window cill	15	Sm	250	3,750
	<b>Carried to collection below</b>				<b>197,890</b>
	<b><u>COLLECTION: -</u></b> Brought forward from page ADM / 9				361,800
	Brought down from above				197,890
	<b>TOTAL OF WINDOWS,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>559,690</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	<u>ELEMENT NO. 6: -</u> <u>FIXTURES AND FITTINGS: -</u> <u>Store shelvings: -</u> 50 x 25mm wrot hardwood shelf bearers	29	Lm	250	7,250
B	25mm thick pre-laminated particle Board shelvings with approved beading at edges	14	Sm	2,200	30,800
C	<u>Staircase balustrade: -</u> <u>Mild-steel members welded together and neatly grinded at weld joints: -</u> 50mm diameter x 3mm thick CHS hand-rail	6	Lm	650	3,900
D	Ditto mid and bottom rails	12	Lm	650	7,800
E	50mm diameter x 3mm thick CHS balusters 900mm high	40	No	600	24,000
F	Mortice in concrete size 100 x 100 x 100mm deep and grout with cement sand (1:3) mortar	40	No	200	8,000
G	Fanged ends of balusters	40	No	200	8,000
	<b>Carried to collection</b>				<b>89,750</b>



Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>Pin Boards size 4 x 1.2m (6 No.): -</u></b>				
A	12mm thick soft board plugged to wall	29	Sm	1,000	29,000
B	45 x 20mm wrot hardwood mitered beading	62	Lm	250	15,500
	<b><u>Painting and decorating: -</u></b>				
C	Prepare and apply undercoat and two coats gloss oil paint on timber surfaces not exceeding 100mm girth	91	Lm	60	5,460
D	Prepare and apply primer and two coats gloss oil paint on 50mm diameter mild-steel pipes	54	Lm	60	3,240
	<b>Carried to collection below</b>				<b>53,200</b>
	<b><u>COLLECTION: -</u></b>				
	Brought forward from page ADM / 11				89,750
	Brought down from above				53,200
	<b>TOTAL OF FIXTURES AND FITTINGS,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>142,950</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 7: -</u></b> <b><u>FINISHES: -</u></b>				
A	15mm thick cement, sand, lime (1:1:6) on walls internally	569	Sm	300	170,700
B	Ditto door and window jambs	24	Sm	300	7,200
C	15mm thick cement sand (1:3) plaster on walls external	323	Sm	300	96,900
D	15mm thick cement sand (1:3) backing to receive wall tiles	57	Sm	300	17,100
E	300 x 200 x 8mm thick ceramic tiles fixed with approved adhesive	57	Sm	1,200	68,400
F	Extra-over ditto for corner pieces	35	Lm	150	5,250
	<b><u>Floor finishes: -</u></b>				
G	25mm thick cement sand (1:3) floor screed to receive tiles	152	Sm	350	53,200
H	Ditto on staircase and landing	19	Sm	350	6,650
I	300 x 300 x 8mm ceramic floor tiles fixed with approved adhesive	152	Sm	1,200	182,400
J	Ditto on staircase and steps	19	Sm	1,200	22,800
	<b>Carried to collection</b>				<b>630,600</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>Ceiling finishes: -</u></b>				
A	15mm thick cement, sand, lime (1:1:6) plaster on soffites of suspended slab	135	Sm	300	40,500
B	Ditto soffites of staircase and landing	19	Sm	300	5,700
	<b><u>Painting and decorating: -</u></b>				
	<b><u>Prepare and apply silk vinyl plastic emulsion paint on: -</u></b>				
C	Plastered walls internally	593	Sm	250	148,250
D	Rendered walls externally	323	Sm	250	80,750
E	Plastered ceiling	135	Sm	250	33,750
F	Plastered soffites of staircase and landing	19	Sm	250	4,750
	<b>Carried to collection</b>				<b>313,700</b>
	<b><u>COLLECTION: -</u></b>				
	Brought forward from page ADM / 13				630,600
	Brought down from above				313,700
	<b>TOTAL OF FINISHES,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>944,300</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 8: -</u></b>				
	<b><u>ROOF FINISHES: -</u></b>				
A	25mm thick cement sand (1:3) water proof roof screed	135	Sm	400	54,000
B	Prepare and apply three coats collas to ditto	135	Sm	250	33,750
	<b><u>Shed above staircase: -</u></b>				
C	100 x 50mm sawn treated cypress rafters	20	Lm	270	5,400
D	100 x 50mm sawn treated cypress wall plate	10	Lm	270	2,700
E	75 x 50mm sawn treated cypress purlins	19	Lm	200	3,800
F	200 x 25mm wrot cypress fascia board	21	Lm	300	6,300
G	30 gauge prepainted roofing sheets	23	Sm	1,200	27,600
H	Prepare and apply undercoat and two coats gloss oil paint on fascia board 200 - 300mm girth	21	Lm	60	1,260
	<b><u>Down pipes: -</u></b>				
I	100mm diameter heavy duty PVC pipes	30	Lm	750	22,500
J	Extra-over ditto for bends	20	No	450	9,000
K	100mm diameter FULBORA ROOF outlets	20	No	650	13,000
	<b>TOTAL OF ROOF FINISHES,</b>				
	<b>CARRIED TO SUMAMRY</b>				<b>179,310</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 9: -</u></b> <b><u>PLUMBING WORKS: -</u></b>				
A	25mm diameter heavy duty PPR pipe	72	Lm	350	25,200
B	20mm ditto	18	Lm	300	5,400
C	15mm ditto	25	Lm	280	7,000
	<b><u>Extra-over pipe work for: -</u></b>				
D	25mm equal tee	24	No	150	3,600
E	20mm ditto	6	No	130	780
F	15mm ditto	9	No	120	1,080
G	20 x 20 x 15mm tees	9	No	130	1,170
H	25mm elbows	24	No	150	3,600
I	20mm ditto	6	No	130	780
J	15mm ditto	9	No	120	1,080
K	25mm sockets	12	No	150	1,800
L	20mm ditto	4	No	130	520
M	15mm ditto	5	No	120	600
N	25mm unions	10	No	200	2,000
O	20mm ditto	4	No	180	720
P	15mm ditto	5	No	160	800
Q	15mm nipples	9	No	130	1,170
	<b>Carried to collection</b>				<b>57,300</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>Flexible tubes: -</u></b>				
A	15mm diameter x 450mm long flexible tubes	9	No	400	3,600
	<b><u>Gate valves: -</u></b>				
B	25mm diameter peggler gate valve	2	No	2,500	5,000
C	20mm ditto	2	No	2,000	4,000
	<b><u>Water tanks: -</u></b>				
D	2,500 litres capacity plastic water tank as "ROTO" or equal and approved	2	No	25,000	50,000
E	25mm diameter ball valve as "PORTSMOUTH" or equal and approved	2	No	2,000	4,000
	<b><u>Sanitary fittings as "TWYFORDS" or equal and approved: -</u></b>				
F	Asian (squatting) type W.C including high level ceramic cistern	4	No	15,000	60,000
G	Western type close couple W.C. suit including low level ceramic cistern, heavy duty plastic seat and cover	1	No	20,000	20,000
H	500 x 400mm ceramic wash hand basin including 15mm diameter C.P. bib tap, 32mm waste outgo, plug and chain	3	No	6,500	19,500
I	Twyfords clifon range of 2 consisting of automatic cistern, pipe work for range of 2, urinal bowl, Twyfords dome shaped waste, Twyfords urinal divider	1	Set	35,000	35,000
J	150 x 150mm white glazed toilet roll holders	5	No	2,000	10,000
	<b>Carried to collection</b>				<b>211,100</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	2.5 litres capacity "MEDICLINICS" soap dispenser	2	No	12,000	24,000
B	6mm thick polished plate mirror size 600 x 450mm fixed with dome headed capstan screws	3	No	2,000	6,000
C	Approved rob - hook	7	No	350	2,450
	<b><u>Internal drainage: -</u></b>				
D	32mm diameter heavy duty PVC pipe	19	Lm	350	6,650
E	40mm ditto	6	Lm	450	2,700
F	50mm ditto	10	Lm	550	5,500
G	100mm diameter PVC vent pipe	4	Lm	750	3,000
	<b><u>Extra-over pipe work for: -</u></b>				
H	32mm equal tees	3	No	200	600
I	40mm ditto	3	No	250	750
J	32mm inspection end caps	3	No	200	600
K	40mm ditto	2	No	250	500
L	100mm large radius bends	2	No	400	800
M	100mm vent cowl	1	No	300	300
	<b><u>Traps: -</u></b>				
N	32mm diameter x 75mm deep bottle trap	3	No	400	1,200
O	40mm diameter x 75mm deep bottle	2	No	450	900
	<b>Carried to collection</b>				<b>55,950</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>Builders work in connection with plumbing works: -</u></b>				
A	Form chase for small pipe including making good disturbed surfaces	150	Lm	150	22,500
B	Form or leave hole in 200mm walling for small pipe including making good disturbed surfaces	15	No	150	2,250
C	Ditto for large pipe	15	No	200	3,000
D	Formwork or leave hole in 150mm thick suspended concrete slab including making good disturbed surfaces	5	No	250	1,250
E	Excavate trench for supply pipe average 1000mm deep, part return fill and ram and remainder cart away	40	Lm	200	8,000
	<b><u>Testing: -</u></b>				
F	Allow for testing the plumbing system to the satisfaction of the Project Manager	1	Item	2,000	2,000
	<b>Carried to collection below</b>				<b>39,000</b>
	<b><u>COLLECTION: -</u></b>				
	Brought forward from page ADM / 16				57,300
	Brought forward from page ADM / 17				211,100
	Brought forward from page ADM / 18				55,950
	Brought down from above				39,000
	<b>TOTAL OF PLUMBING WORKS,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>363,350</b>



Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 10: -</u></b> <b><u>EXTERNAL SOIL DRAINAGE: -</u></b>				
A	Excavate trench for drain pipe average 100mm deep, part return fill and ram and remainder cart away	56	Lm	200	11,200
B	100mm diameter heavy duty PVC pipe laid in trench	56	Lm	750	42,000
C	600 x 450 x 1000mm average deep standard manholes	7	No	6,500	45,500
D	600 x 450mm heavy duty fibre manhole cover	7	No	3,500	24,500
	<b><u>Septic tank size 6m long x 4m wide x 3m average deep: -</u></b>				
E	Excavate pit for septic tank not exceeding 1.5m deep	48	Cm	250	12,000
F	Ditto 1.5 - 3.0m deep	46	Cm	270	12,420
G	Extra-over excavation for excavating in rock class 1	42	Cm	1,000	42,000
H	Return fill and ram selected excavated material around walling	18	Cm	100	1,800
I	Cart away surplus excavated material from site	76	Cm	150	11,400
J	Allow for planking and strutting	1	Item	2,000	2,000
K	Allow for keeping excavations free from water	1	Item	2,000	2,000
	<b>Carried to collection</b>				<b>206,820</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	Plain concrete (1:3:6) in 150mm surface slab	26	Sm	1,500	39,000
B	Plain concrete (1:4:8) in benching size 600 x 450 x 250mm average deep	2	No	650	1,300
	<b><u>Vibrated reinforced concrete (1:2:4) in: -</u></b>				
C	100mm cover slab	26	Sm	1,300	33,800
D	Scum baffles	2	Cm	13,000	26,000
	<b><u>Sawn formwork to: -</u></b>				
E	Soffites of cover slab	26	Sm	400	10,400
F	Sides and soffites of scum baffles	10	Sm	400	4,000
G	Edges of cover slab 75 - 150mm wide	32	Lm	100	3,200
	<b><u>High yield deformed bars: -</u></b>				
H	8mm diameter bars	18	Kg	150	2,700
I	10mm ditto	186	Kg	150	27,900
J	12mm ditto	15	Kg	150	2,250
K	200mm thick coral block walling in cement sand (1:3) mortar	74	Sm	1,700	125,800
L	15mm thick cement sand (1:3) plaster internally and externally	101	Sm	300	30,300
M	600 x 450mm heavy duty fibre manhole covers	4	No	3,500	14,000
	<b>Carried to collection</b>				<b>320,650</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>Soak pit - 2m diameter x 6m deep: -</u></b>				
A	Excavate pit not exceeding 1.5m deep	5	Cm	250	1,250
B	Ditto 1.5 - 3.0m deep	5	Cm	270	1,350
C	Ditto 3.0 - 4.5m deep	5	Cm	290	1,450
D	Ditto 4.5 - 6.0m deep	5	Cm	310	1,550
E	Extra-over excavations for excavating in rock class 1	15	Cm	1,000	15,000
F	Cart away surplus excavated material from site	20	Cm	150	3,000
G	Allow for planking and strutting	1	Item	1,500	1,500
H	Allow for keeping excavations free from waer	1	Item	1,500	1,500
I	Plain concrete (1:3:6) in foundation	1	Cm	11,000	11,000
J	Reinforced concrete (1:2:4) in 100mm cover slab	3	Sm	1,300	3,900
	<b><u>Sawn formwork to: -</u></b>				
K	Sides of foundation	2	Sm	400	800
L	Soffites of suspended slab	3	Sm	400	1,200
M	Edges of suspended slab 75 - 150mm wide	8	Lm	100	800
N	10mm diameter high yield deformed bars	25	Kg	150	3,750
	<b>Carried to collection</b>				<b>48,050</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	200mm thick coral block walling in cement sand (1:3) mortar	20	Sm	1,700	34,000
B	Approved hardcore backfill	18	Cm	1,500	27,000
C	15mm thick cement sand (1:3) plaster internally	6	Sm	300	1,800
D	600 x 450mm heavy duty fibre manhole cover	1	No	3,500	3,500
	<b>Testing: -</b>				
E	Allow for testing the drainage system to the satisfaction of the Engineer	1	Item	2,000	2,000
	<b>Carried to collection below</b>				<b>68,300</b>
	<b><u>COLLECTION: -</u></b>				
	Brought forward from page ADM / 20				206,820
	Brought forward from page ADM / 21				320,650
	Brought forward from page ADM / 22				48,050
	Brought down from above				
	<b>TOTAL OF EXTERNAL DRAINAGE,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>575,520</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>SUMMARY: -</u></b>				
1	SUBSTRUCTURE FROM PAGE ADM / 4				2,039,550
2	R.C. SUPERSTRUCTURE FROM PAGE ADM / 5				1,495,950
3	WALLING FROM PAGE ADM / 6				618,600
4	DOORS FROM PAGE ADM / 8				362,230
5	WINDOWS FROM PAGE ADM / 10				559,690
6	FIXTURES AND FITTINGS FROM PAGE ADM/12				142,950
7	FINISHES FROM PAGE ADM / 14				142,950
8	ROOF FINISHES FROM ADM / 15				179,310
9	PLUMBING WORKS FROM PAGE ADM / 19				363,350
10	EXTERNAL DRAINAGE FROM PAGE ADM / 23				575,520
	<b>TOTAL OF BUILDERS WORK,</b>				
	<b>CARRIED TO MAIN SUMMARY</b>				<b>6,480,100</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>PRIME COST AND PROVISIONAL SUMS: -</u></b>				
	<b><u>PRIME COST SUMS: -</u></b>				
A	Provide a prime cost sum of Kenya Shillings Three Hundred and Fifty Thousand for Electrical Installation				350,000
	<b><u>PROVISIONAL SUMS: -</u></b>				
B	Provide a provisional sum of Kenya Shillings One Hundred Thousand for Contingencies				100,000
C	Provide a provisional sum of Kenya Shillings Three Hundred Thousand for Project Management and Supervision				300,000
D	Provide a provisional sum of Kenya Shillings Thirty Thousand for Project Branding				30,000
	<b>TOTAL OF P.C. &amp; PROVISIONAL SUMS,</b>				
	<b>CARRIED TO MAIN SUMMARY</b>				<b>780,000</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>MAIN SUMMARY: -</u></b>				
A	PRELIMINARIES				120,000
B	BUILDERS WORK FROM PAGE ADM / 24				6,480,100
C	P.C & PROVISIONAL SUMS FROM PAGE PS/ 1				780,000
	<b>SUB-TOTAL</b>				<b>7,380,100</b>
	ADD 16% VAT				1,180,816
	<b>TOTAL OF ADMINISTRATION BLOCK,</b>				
	<b>CARRIED TO GRAND SUMMARY</b>				<b>8,560,916</b>

**GROUND FLOOR**

**(1 NO. CLASSROOM**



Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 1: -</u></b>				
	<b><u>SUBSTRUCTURE (ALL PROVISIONAL): -</u></b>				
A	Excavate oversite average 150mm deep and cart away	102	Sm	40	4,080
B	Excavate trench for strip foundation not exceeding 1.5m deep	32	Cm	250	8,000
C	Ditto for column bases	27	Cm	250	6,750
D	Return fill and ram	28	Cm	100	2,800
E	Cart away surplus excavated materials	31	Cm	150	4,650
F	Extra-over excavation for excavating in rock	20	Cm	850	17,000
G	Allow for planking and strutting	1	Item	850	850
H	Allow for keeping excavations free from water	1	Item	850	850
	<b><u>Hardcore: -</u></b>				
I	300mm thick approved hardcore	94	Sm	350	32,900
J	50mm thick murram blinding	94	Sm	70	6,580
K	Treat hardcore surface with approved antitermite	94	Sm	150	14,100
	<b><u>Concrete works: -</u></b>				
L	Plain concrete (1:4:8) in 50mm blinding under strip foundation	21	Sm	400	8,400
N	Ditto under colum bases	18	Sm	400	7,200
	<b>Carried to collection</b>				<b>114,160</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>Vibrated reinforced concrete (1:2:4) in: -</u></b>				
A	Strip foundation	4	Cm	12,000	48,000
B	Column bases	6	Cm	12,000	72,000
C	Columns	1	Cm	12,000	12,000
D	Ground beam	2	Cm	12,000	24,000
E	100mm surface slab	94	Sm	1,300	122,200
	<b><u>Formwork to: -</u></b>				
F	Sides of ground beam	21	Sm	350	7,350
G	Vertical sides of columns	14	Sm	350	4,900
H	Edges of surface slab 75 - 150mm wide	18	Lm	100	1,800
	<b><u>High yield deformed bars: -</u></b>				
I	8mm diameter bars	715	Kg	150	107,250
J	10mm ditto	803	Kg	150	120,450
K	12mm ditto	893	Kg	150	133,950
L	16mm ditto	914	Kg	150	137,100
M	BRC mesh type A142	94	Sm	350	32,900
	<b><u>Sub-wall: -</u></b>				
N	200mm thick coral block walling in cement sans (1:3) mortar reinforced every alternate course with hoop iron	46	Sm	1,500	69,000
	<b>Carried to collection</b>				<b>892,900</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	<b><u>Damp proof course: -</u></b> 200mm wide Hessian based Bituminous felt DPC	33	Lm	100	3,300
B	<b><u>Damp proof membrane: -</u></b> 1000 gauge polythene DPM	78	Sm	100	7,800
C	<b><u>Plinth: -</u></b> 15mm thick cement sand (1:3) rendering on plinth wall	7	Sm	250	1,750
D	Prepare and three coats Bitumastic paint on plinth walls	7	Sm	200	1,400
E	<b><u>Paving slabs around the building: -</u></b> 600 x 600 x 50mm pre-cast concrete paving slabs jointed in cement sand (1:3) mortar laid on 150mm murram, 50mm sand bed and treated with approved antitermite	22	Sm	1,200	26,400
	<b>Carried to collection below</b>				<b>40,650</b>
	<b><u>COLLECTION: -</u></b> Brought forward from page CL / 1				114,160
	Brought forward from page CL / 2				892,900
	Brought down from above				40,650
	<b>TOTAL OF SUBSTRUCTURE,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>1,047,710</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 2: -</u></b> <b><u>REINFORCED CONCRETE</u></b> <b><u>SUPERSTRUCTURE: -</u></b> <b><u>Vibrated reinforced concrete (1:2:4) in: -</u></b>				
A	Beams	2	Cm	12,000	24,000
B	Columns	2	Cm	12,000	24,000
C	150mm suspended slab	94	Sm	1,300	122,200
	<b><u>Formwork to: -</u></b>				
D	Sides and soffites of beams	27	Sm	350	9,450
E	Vertical sides of columns	24	Sm	350	8,400
F	Soffites of suspended slab	94	Sm	350	32,900
G	Edges of suspended slab 75 - 150mm wide	18	Lm	100	1,800
	<b><u>High yield deformed bars: -</u></b>				
H	8mm diameter bars	678	Kg	150	101,700
I	10mm ditto	705	Kg	150	105,750
J	12mm ditto	295	Kg	150	44,250
K	16mm ditto	432	Kg	150	64,800
L	20mm ditto	315	Kg	150	47,250
	<b>TOTAL OF R.C SUPERSTRUCTURE,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>586,500</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	<p><b>ELEMENT NO. 3: -</b></p> <p><b>WALLING: -</b></p> <p>200mm thick machine cut coral block walling in cement sand (1:3) mortar reinforced every alternate course with hoop iron</p>	62	Sm	1,700	105,400
B	Ditto parapet walling	11	Sm	1,700	18,700
	TOTAL OF WALLING,				
	CARRIED TO SUMMARY				124,100

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 3:-</u></b>				
	<b><u>DOORS: -</u></b>				
	<b><u>Wrot hardwood: -</u></b>				
A	Heavy duty mild-steel door size 1400 x 2500mm comprising 50 x 50 x 3mm thick SHS framing, 4mm thick gauge 16 panells welded to framing including all necessary, fanlights with mosquito gauze and metal lugs	4	No	10,000	40,000
	<b><u>Iron mongery as "UNION" or equal and approved with matching screws: -</u></b>				
B	100mm mild-steel hinges	1.5	Prs	250	375
C	Mild-steel door lock	1	No	2,500	2,500
D	150mm long mild-steel tower bolt	2	No	200	400
E	32mm diameter rubber door stops fixed with rawl bolt	2	No	200	400
	<b><u>Painting: -</u></b>				
	<b><u>Prepare and apply undercoat and two coats gloss oil paint on: -</u></b>				
F	Prepare and apply primer and two coats gloss oil paint on mild-steel surfaces	7	Sm	200	1,400
	<b>TOTAL OF DOORS,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>45,075</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>ELEMENT NO. 4: -</u></b> <b><u>WINDOWS: -</u></b> <b><u>Heavy duty mild-steel casement window comprising 50 x 45 x 3mm thick framing ("Z" and "T" - Sections) including all necessary hinges, bolts, fasteners, stays, fanlights with mosquito gauze and metal lugs: -</u></b>				
A	Window size 1500 x 1500mm	4	No	8,000	32,000
B	5mm clear glass and glazing with metal putty in panes 0.1 - 0.5sm	9	Sm	800	7,200
C	Prepare and apply primer and two coats gloss oil paint on mild-steel surfaces	18	Sm	200	3,600
D	250 x 75mm reinforced concrete (1:2:4) window cills including including all necessary formwork, reinforcement and plaster	7	Lm	1,200	8,400
E	Prepare and apply three coats red oxide on window cill 200 - 300mm girth	7	Lm	50	350
	<b>TOTAL OF WINDOWS,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>51,550</b>





Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>Painting: -</u></b> <b><u>Prepare and apply undercoat and two coats plastic emulsion paint on: -</u></b>				
A	Walls internally	59	Sm	200	11,800
B	Rendered walls externally	58	Sm	200	11,600
C	Plastered ceiling	94	Sm	200	18,800
	<b><u>Prepare and apply undercoat and two coats gloss oil paint on: -</u></b>				
D	Plastered walls internally	59	Sm	200	11,800
E	Rendered walls externally	58	Sm	200	11,600
F	Supply and fix white Board size 6 x 1.5m	1	No	10,000	10,000
	<b>Carried to collection below</b>				<b>75,600</b>
	<b><u>COLLECTION: -</u></b> Brought forward from page CL / 8				141,500
	Brought down from above				75,600
	<b>TOTAL OF FINISHES,</b>				
	<b>CARRIED TO SUMMARY</b>				<b>217,100</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
	<b><u>SUMMARY: -</u></b>				
1	SUBSTRUCTURE FROM PAGE CL / 3				1,047,710
2	R.C SUPERSTRUCTURE FROM PAGE CL / 4				586,500
3	WALLING FROM PAGE CL / 5				124,100
4	DOORS FROM PAGE CL / 6				45,075
5	WINDOWS FROM PAGE CL / 7				51,550
6	FINISHES FROM PAGE CL / 9				217,100
7	Provide a prime cost sum of Kenya Shillings Fifty Thousand for Electrical Installation				50,000
8	Provide a provisional sum of Kenya Shillings for Contingencies				
9	Provide a provisional sum of Kenya Shillings One Hundred Thousand for Project Management and Supervision and PMC allowances				100,000
	<b>SUB-TOTAL</b>				<b>2,222,035</b>
	Add 16% VAT				355,526
	<b>TOTAL OF 1 NO. CLASSROOM BLOCK,</b>				
	<b>CARRIED TO GRAND SUMMARY</b>				<b>2,577,561</b>

Item No	Description	Qty	Unit	Rate	Total (Kshs)
A	<b><u>GRAND SUMMARY: -</u></b> ADMINISTRATION BLOCK FROM PAGE ADM / 26				8,560,916
B	1 NO. CLASSROOM BLOCK FROM PAGE CL/10				2,577,561
	<b>TOTAL CARRIED TO FORM OF TENDER</b>				<b>11,138,477</b>

AMOUNT IN WORDS: .....

.....

CONTRACTOR'S NAME: .....

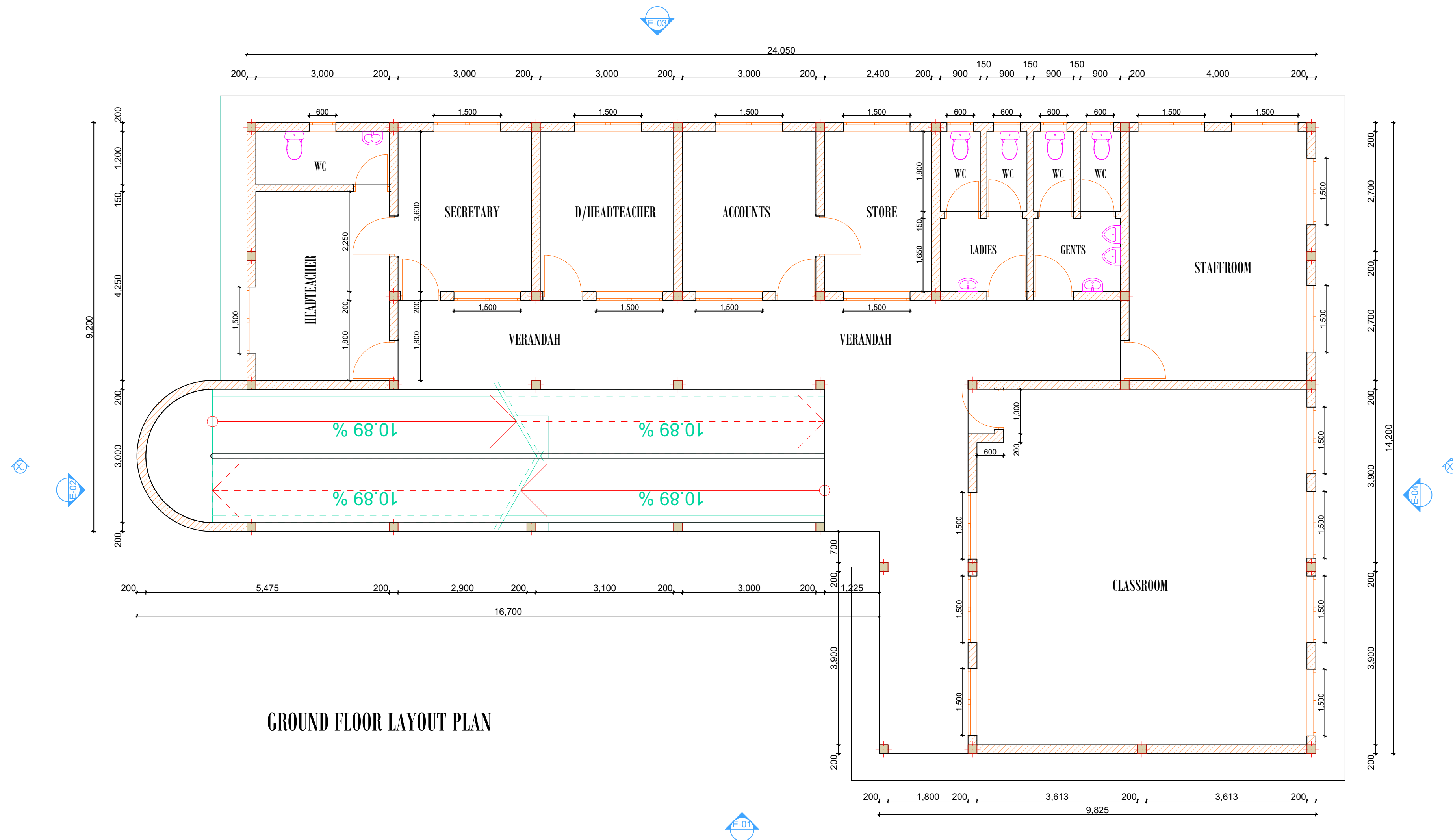
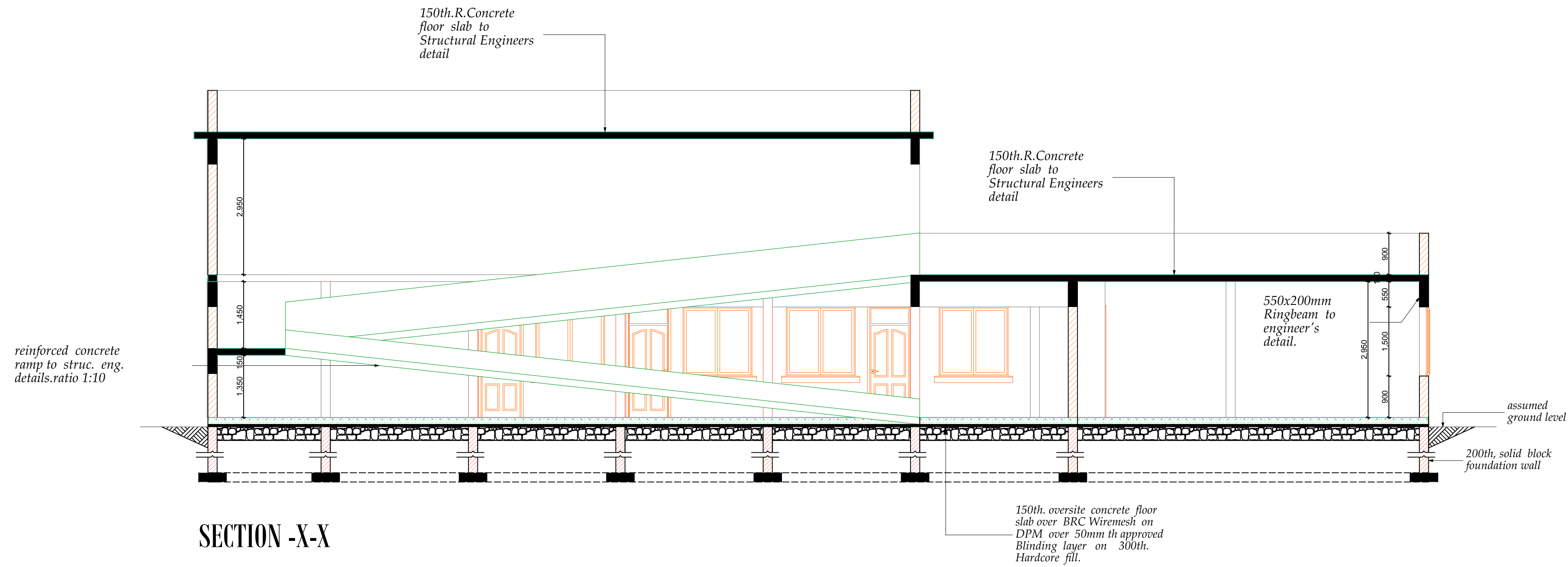
ADDRESS: .....

SIGNATURE: ..... DATE: .....

NAME OF WITNESS: .....

ADDRESS: .....

SIGNATURE: ..... DATE: .....



SHEET 01

## GENERAL NOTES

1. Do not scale off this drawing
2. All levels and dimensions to be checked on site before building work commences.
3. Any discrepancies to be reported to the architect.
4. All work to be in accordance with the standard specifications and notes.
5. All walls to be reinforced with hoop iron at every alternate course.
6. All sanitary works to the entire stisfaction of MoH.
7. Depth of foundation to be determined on site.
8. All dimensions are in millimetres unless otherwise stated.
9. A single layer of bituminous felt to be provided between masonry and R.C work.
10. Provide 500 gauge polythene sheeting and approved anti-termite treatment to be applied to all ground floor on marram blinding.
11. Supply and fix sanitary fittings and accessories in "armitage shanks" or other equivalent, including necessary jointing materials to supply, waste and overflow pipes.

Project title:

**PROPOSED ADMINSTRATION BLOCK  
FOR CONCORDIA SECONDARY SCHOOL  
KISAUNI CONSTITUENCY MOMBASA  
COUNTY**

Client:

**NG - CDF KISAUNI**

Drawing tile:

**FLOOR PLAN  
ELEVATIONS AND  
SECTION DETAILS**

Drawn By:

MWAGONA G.H

Designed By:

MWAGONA G.H

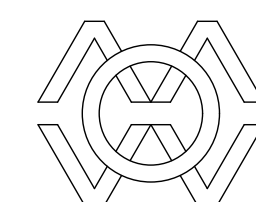
Checked By:

Scale:

**1:50**

Date:

**JUNE 2021**



MINISTRY OF PUBLIC WORKS



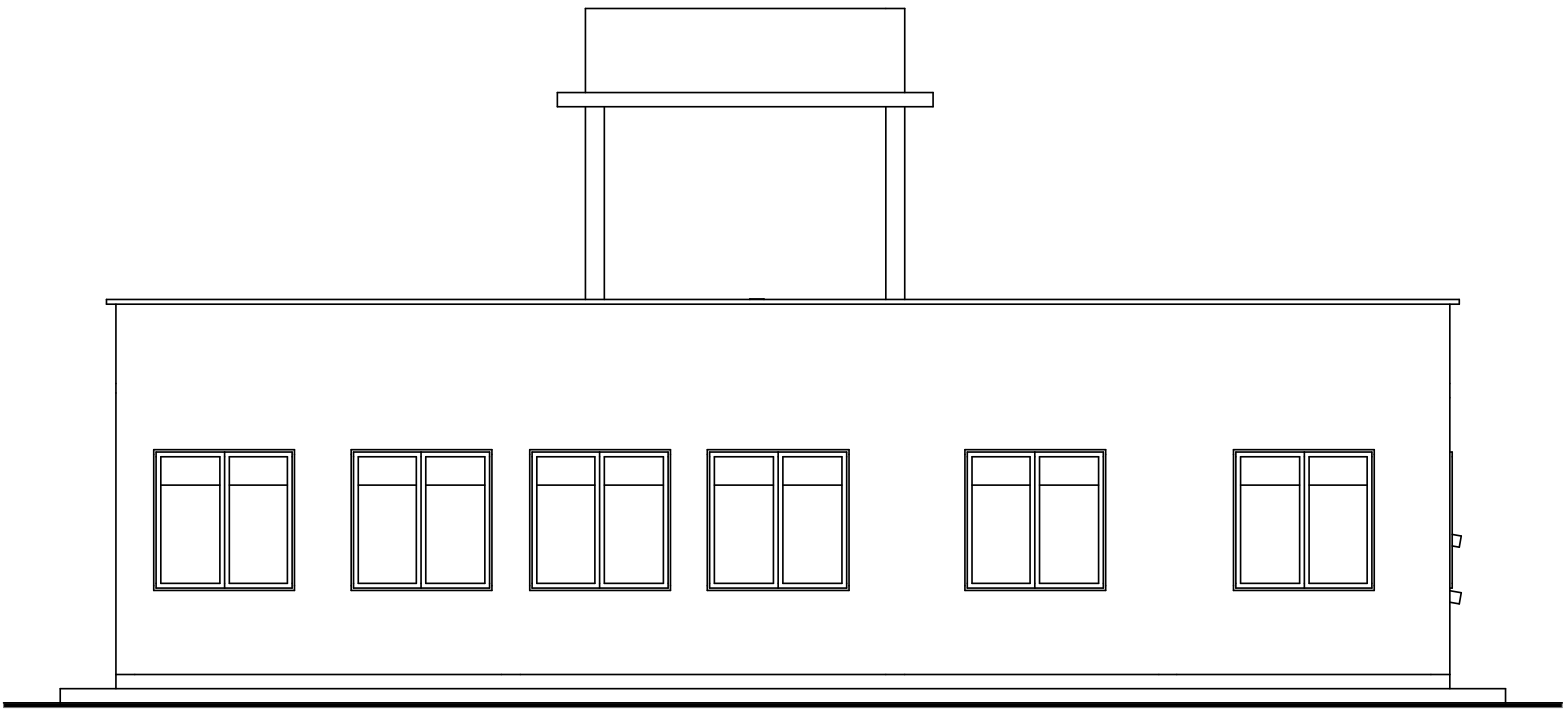
ELEVATION -02



ELEVATION -03



ELEVATION -01



ELEVATION -04

GENERAL NOTES

1. Do not scale off this drawing
2. All levels and dimensions to be checked on site before building work commences.
3. Any discrepancies to be reported to the architect.
4. All work to be in accordance with the standard specifications and notes.
5. All walls to be reinforced with hoop iron at every alternate course.
6. All sanitary works to the entire stisfaction of MoH.
7. Depth of foundation to be determined on site.
8. All dimensions are in millimetres unless otherwise stated.
9. A single layer of bituminous felt to be provided between masonry and R.C work.
10. Provide 500 gauge polythene sheeting and approved anti-termite treatment to be applied to all ground floor on marram blinding.
11. Supply and fix sanitary fittings and accessories in "armitage shanks" or other equivalent, including necessary jointing materials to supply, waste and overflow pipes.

Project title:  
**PROPOSED ADMINSTRATION BLOCK  
FOR CONCORDIA SECONDARY SCHOOL  
KISAUNI CONSTITUENCY MOMBASA  
COUNTY**

Client:  
**NG - CDF KISAUNI**

Drawing tile:  
**FLOOR PLAN  
ELEVATIONS AND  
SECTION DETAILS**

Drawn By:	MWAGONA G.H
Designed By:	MWAGONA G.H
Checked By:	

Scale: <b>1:50</b>	 MINISTRY OF PUBLIC WORKS
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