

**PROPOSED ADMINISTRATION BLOCK AT MWARIKI PRIMARY SCHOOL.**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT</b>
	<b><u>ELEMENT NO. 1</u></b>				
	<b><u>SUBSTRUCTURE (PROVISIONAL)</u></b>				
A	Excavating oversite to remove top vegetable soil average 150mm disposing on site average 50m from excavations	262	SM		
B	Mass excavation to reduce level not exceeding 1.50m deep	66	CM		
C	Excavate trenches in red soil to receive foundations not exceeding 1.50m deep starting from reduced level	85	CM		
D	Extra over for piers	9	CM		
E	Extra over normal excavation for excavating in rock of any class	17	CM		
F	Backfill and compact selected excavated materials in 150mm thick layers	46	CM		
G	Load and cart away surplus excavated material	47	CM		
H	Allow for keeping all excavations free from surface and ground water		ITEM		
J	Allow for planking and strutting to uphold sides of all excavations		ITEM		
K	Approved natural stone hard-core; depositing and compacting in 150mm thick layers, levelling	66	CM		
L	50mm thick stone dust or murrum blinding over hardcore	219	SM		
M	Termidore 25 EC" insecticide treatment to hard-core beds and tops of foundation walls	246	SM		
	<b><u>Concrete</u></b>				
N	Plain concrete (1:4:8) in 50mm thick blinding under strip footings and pier bases	93	SM		
	<b><u>Vibrated reinforced concrete class 20/20 to:</u></b>				
O	Foundations in trenches	16	CM		
P	Column and pier bases	2	CM		
Q	Column	1	CM		
R	100mm thick horizontal ground slab	246	SM		
	<b>TOTAL CARRIED TO COLLECTION</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>Fabric mesh reinforcement 200mm laps</u></b>				
A	Reference A1042 weighing 2.22kg per square metre	246	SM		
	<b><u>Square twisted mild steel reinforcement Bars</u></b>				
B	8mm diameter bars	240	KG		
C	10mm diameter bars	312	KG		
D	12mm diameter bars	11	KG		
	<b><u>Sawn formwork to:</u></b>				
E	Vertical side of foundations	18	SM		
F	Sides of Column	2	SM		
G	Edges of slab; 75 to 150mm wide	70	LM		
	<b><u>Approved natural stonework, roughly squared in cement mortar (1:4):25mm wide x20 gauge hoop iron strapping every alternate course</u></b>				
H	200mm thick walls	106	SM		
J	Extra for attached pier 400x200mm	9	LM		
	<b><u>500 gauge polythene; 150mm laps</u></b>				
K	Damp proofing membrane; horizontal	246	SM		
	<b><u>Cement and sand (1:4) rendering as described</u></b>				
L	12mm thick, two coatwork to walls steel trowelled	21	SM		
	<b><u>Painting and Decorations</u></b>				
M	Prepare and apply three coats of Black bitumnous paint to rendered surface externally	21	SM		
	TOTAL CARRIED TO COLLECTION				
	COLLECTION				
	Brought forward from Page 1				
	Brought forward from above				
<b>TOTAL SUBSTRUCTURE CARRIED TO SUMMARY</b>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT No.2				
	<b><u>EXTERNAL WALLING</u></b>				
	<b><u>Machine cut natural quarry stone-work bedded and jointed in cement and sand (1:4) mortar as described in:-</u></b>				
A	200mm thick walls	176	SM		
B	100mm ditto	31	SM		
	<b><u>Vent Blocks</u></b>				
C	Provide, deliver to site and fix 200x200x25 mm thick pre-cast concrete vents jointed in 1:3 mortar	20	PRS		
	<b><u>Damp Proofing</u></b>				
D	200mm wide hesian based damp proof course: 200mm laps	95	LM		
E	100mm wide hesian based damp proof course: 150mm laps	14	LM		
F	Eaves filling to 200mm walls; 300 mm average height	53	LM		
G	Raking cutting to 200mm thick wall	19	LM		
	<b>TOTAL FOR WALLING CARRIED TO SUMMARY</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>ELEMENT NO. 3</u></b>				
	<b><u>REINFORCED CONCRETE FRAME</u></b>				
A	Ring Beams	7	CM		
B	Column	1	CM		
	<b><u>Reinforcement (All Provisional)</u></b>				
	<b><u>Mild steel round reinforcement bars to BS 449 to structural concrete work</u></b>				
C	8mm diameter bars	215	KG		
D	12mm diameter bars	452	KG		
	<b><u>Sawn formwork as described to:</u></b>				
E	Sides and soffites of Ring beams	57	SM		
	<b><u>Cement, Sand and Lime (1:2:) render as as describes to:-</u></b>				
F	15mm Thick to vertical surfaces of beams	20	SM		
	<b><u>Prepare and apply three coats of silk vinyl plastic emulsion paint as described on:</u></b>				
G	Plastered surfaces , internally and externally	66	SM		
<b>TOTAL CARRIED TO SUMMARY</b>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>ELEMENT NO. 4</u></b>				
	<b><u>ROOF CONSTRUCTION AND COVERINGS</u></b>				
	<b><u>Construction</u></b>				
	<b><u>Truss joints to be bolted with appropriated No. of shear connectors or as instructed by Structural Engineer and hoisting approximately 3000mm above ground floor level</u></b>				
	<b><u>All carpentry timber to be treated and sawn cypress second grade seasoned to an equilibrium moisture content of between 9% and 15%</u></b>				
A	100x50mm Wall plate bolted to concrete with and including 12mm diameter bolts at 1500mm centres	47	LM		
B	150x50mm Ridge Board	28	LM		
	<b><u>The following in nailed timber trusses including hoisting and placing 2400mm above ground floor slab level</u></b>				
C	100x50mm Rafters	226	LM		
D	Ditto, king post	42	LM		
E	Ditto, Tie beam	156	LM		
F	Ditto Struts and ties	245	LM		
G	75x50mm purlins	373	LM		
H	225mm x25mm Fascia and barge board	81	LM		
	<b><u>ROOF COVERINGS</u></b>				
J	28 Gauge Prepainted galvanized IT4 iron roofing sheets nailed on purlins labour and material	324	SM		
K	Ditto Ridge capping	28	LM		
	<b>TOTAL FOR ROOF CARRIED TO SUMMARY</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>RAINWATER DISPOSAL</u></b>				
A	150 x100mm box gutter including soldered joints in the running length fixed to fascia with and including brackets at approved centres	45	LM		
B	Extra over gutter for stopped ends	4	NO		
C	100mm diameter galvanized iron downpipe gauge 24 fixed to wall with and including holder butts at 1000mm centres	15	LM		
D	Extra over downpipe for swanneck 1200mm long	5	NO		
E	Extra over for bends	2	NO		
F	Ditto but for 100mm diameter outlet	5	NO		
G	Ditto horse shoe 500m long	5	NO		
	<b><u>Painting and Decorations</u></b>				
	<b><u>on Woodwork</u></b>				
	<b><u>Prepare and apply one undercoat and two coats of CROWN SOLO or other equal and approved super gloss oil paint to:-</u></b>				
H	Fascias and barge; 200 to 300mm girth; external  On Metal work	81	LM		
	<b><u>Prepare and apply one approved etching primer, one undercoat and two coats of CROWN SOLO or other equal and approved super gloss oil paint to:-</u></b>				
J	General surfaces of gutters; over 300mm girth external	45	LM		
K	Small pipes; external	15	LM		
	<b>Total carried to collection</b>				
	<b>COLLECTION</b>				
	Brought forward from page 5				
	Brought forward from above				
	<b>TOTAL FOR ROOF CARRIED TO SUMMARY</b>				

ITEM	DESCRIPTION	QTY	UNIT		
	<b><u>ELEMENT NO. 5</u></b>				
	MILD STEEL CASEMENT DOORS				
	<b><u>Standard door complete with hinges, stays, fasteners permanent vent with mosquito gauze and sheet metal hood etc assembled and fixed to opening including cutting and pinning lugs to concrete or blockwork surround and bedding frame in cement and sand (1:4) mortar, Grille and glazing included, steel casement door comprising 40x25x3mm stiles, bottom and top rail &amp; 4 No. intermediate rails all primed with red oxide including ironmongery</u></b>				
A	Double door overall size 1200x2400mm high door complete with 50x50x3mm fixed angle frame, 2.5mm thick black sheet checkered plate built into panels, top panels left open for glazing "Union" 3 lever steel door lock 3x200mm lockable tower bolts	2	NO		
B	Ditto but overall size 900x2400mm high	2	NO		
	<b><u>Glass</u></b>				
C	4mm thick clear sheet glass and glazing with steel putty compound in panes not exceeding 0.10 square metres	5	SM		
	<b><u>Approved quality Flush doors</u></b>				
D	Single leaf flush door overall size, 900 x 2400mm high, complete with sawn cypress 25mm quadrant beading, 40 x 12mm architrave, 150 x 50 mm frame with two labours and 150m x 50mm transome, with glass fanlight 900 x 400mm high.	5	NO		
E	Ditto but door size 900x 2100 mm high	8	NO		
	<b><u>IRONMONGERY</u></b>				
	<b><u>Supply and fix the following ironmongery with screws to match, (Ref. is to Union or equal and approved)</u></b>				
F	100mm brass butt hinges with brass screws.	20	PAIRS		
G	Two lever mortice lock complete with furniture.	13	NO		
	<b><u>PAINTING AND DECORATION AS TO CROWN SOLO OR EQUAL AND APPROVED.</u></b>				
	<b><u>Prepare, knot, prime, stop and apply two undercoats and one finishing coat gloss oil paint as described to:</u></b>				
H	General surfaces	113	SM		
	<b>TOTAL ELEMENT NO. 5 CARRIED TO SUMMARY</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>ELEMENT NO. 6</u></b>				
	WINDOWS				
	<b><u>Purpose made steel casement windows in 25mm wide standard casement 'z' sections comprising permanent ventilators with T-bar, gauze and metal hood for full width of window; all ironmongery and one coat red oxide primer by manufacturer.</u></b>				
A	1850x1500mm window	16	NO		
B	600x900mm window	6	NO		
	<b><u>Cill</u></b>				
C	100x150x15mm clay tile cills, bedding; jointing in cement mortar (1:4); pointing in coloured cement mortar (1:4)	35	LM		
	<b><u>Glass and glazing to metal with glazing compound</u></b>				
D	4mm thick clear sheet glass 0.10 to 0.50 square metres	48	SM		
	<b><u>Painting and Decoration</u></b>				
E	Touching up manufacturers priming coat, two undercoats and one finishing coat to glazed metal surfaces internally and externally	96	SM		
<b>TOTAL FOR ELEMENT NO. 6 WINDOWS CARRIED TO SUMMARY</b>					<b>410,250.00</b>



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>ELEMENT No. 7</u></b>				
	<b><u>FINISHES</u></b>				
	<b><u>INTERNAL WALL FINISHES</u></b>				
	<b><u>Cement and sand (1:2:9) plaster as describes in:-</u></b>				
A	Extra over dressed stone walling Labour for forming recessed horizontal joints and flush vertical joints on walls in cement mortar (1:3) externally	91	SM		
	<b><u>INTERNAL WALL FINISHES</u></b>				
	<b><u>Cement and sand (1:2:9) plaster as describes in:-</u></b>				
B	15mm Thick to vertical surfaces	308	SM		
	<b><u>FLOOR FINISHES</u></b>				
	<b><u>Cement and sand (1:3) screed finished with Red Nil Oxide as described in:-</u></b>				
C	Floors 40mm thick, trowelled hard and smooth	225	SM		
D	20x100mm high skirting	159	LM		
	<b><u>CEILING FINISHES</u></b>				
	<b><u>Sawn cypress, pressure impregnated as described in:-</u></b>				
E	50x50mm brandering	534	SM		
F	75X50mm ditto plugging	168	LM		
	<b><u>Wrot cypress prime grade as described in:-</u></b>				
G	75x25mm cornice with three labours; plugged	168	LM		
H	12mm thick 'celotex' ceiling lining with vee butt joints	192	SM		
J	Extra for access panel size 600x600mm; including 50x50mm framing	2	NO		
	<b><u>Prepare and apply three coats of silk vinyl plastic emulsion paint as described on;</u></b>				
K	Plastered surfaces internally	308	SM		
	<b>TOTAL CARRIED TO COLLECTION</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>Paved areas around Building Plinth</u></b>				
A	75mm thick in-situ concrete 600mm wide screeded with cement sand 1:4 mix steel trowelled hard and smooth	44	SM		
	<b><u>EXTERNAL WALL FINISHES</u></b>				
B	12mm render mix (1;4) to gable walls	19	SM		
C	12mm ditto to eaves	10	SM		
	<b><u>Painting and Decorations</u></b>				
	<b><u>Prepare and apply three coats silk vinyl plastic emulsion paint as described on:-</u></b>				
D	Soft board ceiling	192	SM		
E	Rendered surfaces externally	29	SM		
	<b>Total Carried to collection</b>				
	<u>COLLECTION</u>				
	Brought forward from Page 9				
	Brought forward from Page above				
	x				
	<b>TOTAL FOR FINISHES CARRIED TO SUMMARY</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>SEPTIC TANK 15,000 LITRES</u></b>				
	<b><u>Oversite Excavation</u></b>				
A	Excavate oversite to remove top vegetable soil average depth 150mm and cart away as directed	25	Sm		
	<b><u>EXCAVATIONS</u></b>				
B	Excavate pit for septic tank starting from ground level not exceeding 1.5m deep,backfill around the septic tank after construction and dispose the excess material as directed by the DR.	21	Cm		
C	Excavate pit for septic tank starting from excavated level exceeding 1.5m and not exceeding 3.0m deep,backfill around the septic tank after construction and dispose the excess material as directed by the DR.	19	Cm		
D	Extra over excavation for excavation in rock class (PROVISIONAL).	8	Cm		
	<b><u>CONSTRUCTION</u></b>				
E	Provide lay and vibrate 50mm thick concrete class Q (1:3:6) blinding.	15	Sm		
	<b><u>SEPTIC TANK CONT'D</u></b>				
F	Provide place and vibrate 250mm thick reinforced concrete class 20(20)1:2:4 in concrete bed.	15	Sm		
G	Provide place and vibrate 150mm thick reinforced concrete class 20(20)1:2:4 boffle in wall.	8	Sm		
H	Ditto 200mm thick in suspended slab.	14	Sm		
J	200mm thick natural stone walling in cement mortar 1:4.	46	Sm		
	<b><u>REINFORCEMENT</u></b>				
K	Provide cut,bend and fix in concrete 16mm dia ms reinforcing bar including all necessary tying wire spacer blocks and the like.	280	Kg		
L	Ditto 12mm dia ms ditto.	167	Kg		
M	Ditto 10mm dia ms ditto.	102	Kg		
	<b>TOTAL CARRIED TO COLLECTION</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>SEPTIC TANK CONT'D</u></b>				
A	Provide and fix sawn timber formwork to edges of bed between 150 and 225mm high.	22	Lm		
B	Ditto to soffits of suspended slab.	12	Sm		
C	Ditto to sides of reinforced baffle wall	15	SM		
D	Ditto to soffits of suspended wall between 150-225mm.	3	LM		
	<b><u>FINISHES</u></b>				
E	Provide materials and apply 12mm rendering (1:1) to alls both internally and externally.	64	Sm		
F	Provide and apply 25mm thick screed (1:3) to slab (top & bottom).	25	Sm		
G	Provide and fix 600x 450 light duty manhole cover and frame to detail (50) 5313 type 'B'.	4	No		
H	Allow for testing of the whole of the foul drainage by water test to MOW general specifications and to the satisfaction of the DR.		Item		
J	Allow for keeping excavations free from general waters.		Item		
	TOTAL CARRIED TO COLLECTION				
	<b><u>COLLECTION</u></b>				
	Brought forward from page 11				
	Brought forward from above				
	<b>TOTAL CARRIED TO SUMMARY</b>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>PRIME COST /PROVISIONAL SUMS</u></b>				
A	provide a provisional sum of Kenya shilling Two Hundred Thousand only for complete installation of electricity and electrical fittings				20,000.00
B	provide a provisional sum of kenya shillings One hundred and Twenty Thousand for plumbing and drainage works				120,000.00
C	provide a provisional sum of Kenya Shillings Eighty Thousand only for project management and supervision				80,000.00
D	provide a provisional sum of Kenya Shillings Hundred Thousand only for contingencies				100,000.00
E	Provide asum of				
<b>TOTAL PROVISIONAL SUMS CARRIED TO SUMMARY</b>					

ITEM	DESCRIPTION	AMOUNT
	<b><u>SUMMARY</u></b>	
A	SUBSTRUCTURE FROM PAGE 2	1,137,460.00
B	WALLING FROM PAGE 3	267,300.00
C	REINFORCED CONCRETE FRAME FROM PAGE 4	208,490.00
D	ROOFING FROM PAGE 6	731,470.00
E	DOORS FROM PAGE 7	179,525.00
F	WINDOWS FROM PAGE 8	410,250.00
G	FINISHES FROM PAGE 10	669,070.00
H	SEPTIC TANK PAGE 12	306,355.00
J	PROVISIONAL SUMS FROM PAGE 13	400,000.00
	<b>SUB-TOTAL</b>	
	ADD 16% V.A.T	

**TOTAL COST FOR PROPOSED ADMINSTRATION BLOCK AT MWARIKI PRIMARY SCHOOL**

Contract Period .....weeks

Amount in words .....  
.....  
.....

Tenderers Name .....  
.....

Adress .....  
.....

Signature .....Date.....  
.....

Witness Name .....  
.....

Signature .....Date.....  
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