

PROPOSED PARKHOUSE AND COLDROOM

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BILL NO.1</u>				
	<u>ELEMENTNo.1</u>				
	<u>SUBSTRUCTURES</u>				
	<u>(ALLPROVISIONAL)</u>				
	<u>Excavations</u>				
	Clear site of all shrubs and under growth Including grubbing up of roots and dispose off directed	280	SM		
A	Excavate over site average 150mm deep to remove vegetable soil and load up wheel and cart away	252	SM		
B					
	Total Carried To Collection				
C					
D					
E					
F					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Planking and strutting</u>				
A	Allow for planking and strutting to uphold sides of excavations and keeping the same free from fallen materials		ITEM		
	<u>Imported filling</u>				

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B	450 mm imported hardcore filling hand packed,well watered and compacted laid in layers of150 mm thick	230	SM		
C	50 mm thick layer murrum or other equal and approved blinding to the surface of hardcore rolled smooth to receive polythene sheeting (m.s) <u>Soil Sterilization</u>	230	SM		
D	"DRAGNET 'FT' or similar approved anti-termite solution applied strictly in accordance with the manufacturer's instructions <u>Damp Proof Membrane</u>	230	SM		
E	Single layer of 1000 gauge polythene sheeting laid on blinded hardcore with 150 mm laps to receive concrete (m.s) <u>Plain concrete(1:4:8)in:</u>	230	SM		
F	Ditto under strip foundations <u>Vibrated reinforced concrete Grade 20/25 as described in:</u>	79	SM		
G					
	Total Carried To Collection			KShs.	
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Strip footing	79	SM		
B	100mmthickfloorbed <u>Thickening</u>	88	SM		

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C	Excavate average 850x250mm deep trapezium shaped Thickening including hand packing hard core to two sloping sides	10	LM		
	<u>Steel reinforcement as described including cutting to length, bending and fixing including all necessary tying wires and spacing blocks (all provisional)</u>				
	<u>Mild steel round bars reinforcement to B.S4449</u>				
D	16mm bars	50	PCS		
	<u>High yield DEFORMED bar reinforcement to B.S4461</u>				
E	8mm bars	145	PCS		
F	10mm ditto	140	PCS		
G	12mm ditto	152	PCS		
	<u>Mesh reinforcement</u>				
H	Mesh fabric reinforcement to B.S4483 ref.A142 including laps tying wire and spacer blocks (measured nett allow for laps)	180	SM		
	Total Carried To Collection			KShs.	
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Sawn formwork to:</u>				
A	Sides of strip footing	51	SM		
	Edges of floor bed 75-150mm high	320	LM		

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B	<u>Masonry Walling</u>				
	<u>Natural stone walling in cement and sand (1:3) mortar and including reinforcing with 20x3 mm thick hoop iron in every alternate course.</u>				
C	200mmthickwalling	88	SM		
	<u>Plinths</u>				
D	12mmthickcementandsand (1:3)plaster to				
E	plinths	102	SM		
	Prepareandapplythreecoatshituminouspaint To plastered plinths	102	SM		
	Corrugated coloured sheets 28 gauge	120	SM		
	Brc mesh	150	SM	KShs.	
	Total carried to collection				
	<u>COLLECTION</u>				
	Frompage3/1				
	Frompage3/2				
	Frompage3/3				
	Frompage3/4				
	TOTAL FOR SUBSTRUCTURE CARRIED TO SUMMARY OF parkLHOUSE			KShs.	
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT

PROPOSED PARKHOUSE AND COLDROOM

	<u>ELEMENT No.2</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>Vibrated reinforced concrete grade 25/20 in:</u>				
A	Beams	7	CM		
	<u>Reinforcement as before described (All Provisional)</u>				
	<u>Mild steel round bars reinforcement to B.S 4449</u>				
B	8mm bars	102	pcs		
	<u>High yield square twisted bar reinforcement to B.S 4449</u>				
C	16mm bars	125	PCS		
D	10mm ditto	225	PCS		
E	12mm ditto	220	PCS		
	<u>Sawn formwork to:</u>				
F	Sides and Soffits Of Beams	50	SM		
				Kshs	
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT

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	<u>ELEMENTNo.3</u>				
	<u>WALLING</u>				
	<u>Horizontal Damp Proof course to B.S.743(measured net –no allowance for laps)</u>				
A	200 mm wide approved quality 3-ply bituminous felt damp proof course under walls	79	LM		
B	100mmditto	10	LM		
	<u>Fine chisel dressed natural stone walling in Cement and sand(1:4)mortar and including reinforcingwith20x3mmthick hoop iron in every alternate course.</u>				
	<i>External Walling</i>				
C	200mmthickexternalwalling	182	SM		
D	Extra over natural stone walling for fair faced dressing including raking joints and pointing both horizontally and vertically with recessed joints externally.	182	SM		
E	Eaves filling to 200 mm thick wall extreme height 300mm	14	LM		
	<i>Internal Walling</i>				
	<u>Solid Concrete Block walling in cement and sand (1:5)mortar as described:-</u>				
F	150mmthickinternalwalling	152	SM		
G	100mmditto	28	SM		
	TOTAL FOR WALLING CARRIED TO SUMMARY OF parkHOUSE			KShs.	
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>ELEMENT No.4</u></p> <p><u>ROOFING</u></p> <p><u>Roof Construction</u></p> <p><u>Trusses</u></p> <p><u>Stell roof construction</u></p> <p><i><u>The following steel for roof hoisted and fixed 5200mm above ground level</u></i></p>				
A	Tube ¾ square section	250	PCS		
B	Tube 1x1	88	pcs		
C	2x2 gauge 16	150	pcs		
D	3x2	200	pcs		
E	2x2 purlins	210	pcs		
F	100x50mm wall plate anchored to beam with and including 300 mm long 12 mm Diameter mild steel j-bolt at 1000 centres	188	LM		
	<u>Timber plates</u>				
G	200x25 mm shaped timber plates	20	PCS		
H	150x25mm shaped timber plates	48	PCS		
	Total Carried to Collection			KShs.	

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	<u>Eaves Finishes</u>				
	<u>Wrot Hardwood</u>				
A	225x 25mm fascia and barge board	190	LM		
	<u>Mosquito gauze</u>				
B	Mosquito wire gauze in eaves closure fixed onto and including 75x50mm bearers at 1000mm centres connected to end of rafters trusses and wall bearers measured separately and including 50 x 20mm battens to bottom of gauze fixed at 100mm centres longitude 9,460.00		86	SM	
	<u>Roof Covering</u>				
	<u>Box profile Roofing Sheets 28G</u>				
C	Roof covering not exceeding 45 degrees from horizontal including all necessary fixtures	260	SM		
D	Ridge and hip sheet to match jointed and pointed in coloured cement and sand (1:3) mortar	52	LM		
E	Valley ditto	25	LM		
F	30 Gauge GMS plain sheet underlay including all necessary timber framing	260	SM		
	<u>Rain water Goods (Provisional)</u>				
	<i><u>"Key Terrain" system 2100 PVC pipes and fittings or other equal and approved rainwater pipes and fittings complete with straight couplings in the running length and including solvent welding At joints</u></i>				
G	200mm Diameter half round gutter including joints in the running length fixed to fascia board with and including brackets	86	LM		
H	Extra over for stop ends	4	No.		
I	100mm Diameter down pipe fixed with clip to walls/columns	42	LM		
	Total Carried to Collection			KShs.	

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Extra over ditto for 100mm diameter outlet	4	No.		
B	Extra over ditto for swanneck bend	10	No.		
C	Ditto for shoe	4	No.		
	<u>Knot prime and stop: prepare and apply Three coats gloss oil paint on timber surfaces externally</u>				
D	Surfaces of fascia and barge boards 200-300mm girth	180	LM		
E	General surfaces of eaves boarding	102	SM		
	Total carried to Collection			KShs.	
	<u>COLLECTION</u>				
	From page 4/7				
	From page 4/10				
	From page 4/11				
	TOTAL FOR ROOFING CARRIED TO SUMMARY OF PARK HOUSE			KShs.	

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>ELEMENT No.5</u></p> <p><u>DOORS</u></p> <p><u>NOTE:</u></p> <p><u>All doors shall be as per Architect' s specification. The rate for doors shall include all framing, 5mm thick glass glazing where indicated, painting and all moulding, all as shown in the Architects drawing(s) which have been appended to this bills of Quantities</u></p> <p><u>STEELDOORS</u></p> <p>A</p> <p>Single leaf steel casement door size 900 x 2400mm high complete with all necessary ironmongery ,permanent vent with mosquito gauze & sheet hood assembled and fixed to opening including cutting & pinning lugs to concrete or block work surround and bedding frame in cements and mortar(1:4)all primed with red oxide before fixing</p> <p>B</p> <p>Double leaf steel casement door overall size 1400 x2400mm high comprising 800mm wide fixed glazed panels on eithersideand2No.900mmwideopenableleafs on and including 50 x 50 x 3mm fixed frame;16Gmildsteelplatebuiltintopanel completewith5levermorticelockand3Notowerboltsand parteneed16mmdiameterburglarproof bars</p> <p><u>Flush doors</u></p> <p><u>Solid core flush door finished both sideswith6mmmahoganyveneerandlippeda llroundwith 6mmhardwood</u></p> <p>C</p> <p>Ditto size900x2100mm high</p> <p>D</p> <p>Ditto size800x2050mm high</p> <p>Total Carried to Collection</p>	<p>1</p> <p>2</p> <p>6</p> <p>2</p>	<p>NO</p> <p>NO</p> <p>No.</p> <p>No.</p>	<p></p> <p></p> <p></p> <p></p> <p>KShs.</p>	<p></p> <p></p> <p></p> <p></p>

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>IRONMONGERY</u>				
A	3-Lever mortice lock complete with aluminium furniture	8	No.		
B	100mm steel butt hinges	24	PCs.		
C	25mm diameter rubber door stop raw bolted to	8	No.		
D	Coat hooks	6	No.		
E	Aluminium barrel bolt	2	No.		
	Total Carried to Collection			KShs.	
	<u>COLLECTION</u>				
	From page 3/12				
	From page 3/13				
	TOTAL FOR DOORS CARRIED TO SUMMARY OF PARKHOUSE			KShs.	

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT No.8</u>				
	<u>WINDOWS</u>				
	<u>Cills</u>				
	<u>Clay</u>				
A	200x150x30mm clay window cill weathered and throated; bedded and jointed with cement and sand(1:3)mortar.	86	LM		
	<u>METALWORK</u>				
	<u>NOTE</u>				
	<u>Supply and fix the following purpose made casement windows. All Steel windows shall be as per the Architects specification(s).The Rate for the windows shall include all framing</u>				
	<u>, 4mmthick glass glazing, all necessary Ironmongery all as shown in the Arch</u>				
B	Window size 1800x1300mm high	1	No.		
C	Window size 1400x1300mm high	7	No.		
D	Window size 600x1300mm high	2	No.		
E	Total Carried to Collection			KShs.	
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Burglarproofing</u>				
	<u>(Provisional)</u>				
	<u>grilles comprising of 6mm thick mild steel flat framing and 12mm diameter horizontal and verticle round bars at 300m centres including one coat red oxide primer before fixing</u>				

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A	Window size 1800x1300mm high	1	No.		
B	Window size 1400x1300mm high	7	No.		
C	Window size 600x1300mm high	2	No.		
D	Total Carried To Collection			KShs.	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Joinery</u>				
	<u>Wrot CYPRESS</u>				
A	150x 25mm Pelmet fascia	41	LM		
B	Ditto buttop	41	LM		
C	225x25mm Window board; plugged	31	LM		
D	150x125x25mm Pelmet box ends	26	NO.		
	<u>Wrot cypress</u>				
E	50x50mm bearer plugged	36	LM		
	<u>Curtain Track</u>				
F	Silent gliss Aluminium curtain rail or other equal And approved I-section curtain rail complete With fixing brackets, rollers and ends tops	34	LM		
	<u>Painting and decorating</u>				
	<u>Prepare and apply one coat aluminium primer On back of wood before fixing</u>				
G	Surfaces of window board over 100 but not exceeding 200mm girth	54	LM		
	<u>Prepare and apply two under coats and one Finishing coat gloss oil paint on metalwork</u>				
	<u>Internally on:</u>				
	General surfaces of glazed metal windows	34	SM		

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H	General surfaces of burglar proofing grilles	34	SM		
I	<u>Externally on:</u>				
	General surfaces of glazed metal windows	40	SM		
J	General surfaces of burglar proofing grilles	40	SM		
K	Total Carried To Collection			KShs.	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>(Windowscontinued)</u>				
	<u>Prepare and apply two coats polyurethane clear Varnish on woodwork:-</u>				
A	Surfaces of pelmet box over 100 but not exceeding 200mm girth	82	LM		
B	Surfaces of window board over 200 but not exceeding 300mm girth	63	LM		
	Total Carried To Collection			KShs.	
	<u>COLLECTION</u>				
	From page 3/14				
	From page 3/15				
	From page 3/16				

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	From page 3/17				
	TOTAL FOR WINDOWS CARRIED TO SUMMARY OF PARKHOUSE			KShs.	
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 7</u>				
	<u>FINISHES</u>				
	<u>EXTERNAL FINISHES</u>				
	<u>12mm Thick gauged lime plaster to:-</u>				
A	Sides of columns externally	26	SM		
B	Ditto Beam fascia	32	SM		
C	Ditto Window and door reveals	48	SM		
	<u>PAINTING AND DECORATION</u>				
	<u>Prepare and apply three coats of first grade silk vinyl emulsion paint as described to:-</u>				
D	Sides of columns externally	26	SM		
E	Ditto Beam fascia	32	SM		
F	Ditto Window and door reveals	48	SM		
	<u>INTERNAL FINISHES</u>				
	<u>Internal Floor Finishes</u>				
	<u>Cement and sand (1:3) screeded bed</u>				
G	32mm Thick backing finished with steel float (m.s.)	132	SM		

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	<u>300 x 300 x 10mm Thick Non-slip Ceramic Tiles laid to pattern & shape on sand cement screed (measured separately) as before described</u>				
H	Generally	137	SM		
I	100x20mm Thick ceramic tiles skirting, rounded at top with small coveat junction with floor finish	75	LM		
	Total Carried To Collection			KShs	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>WALLFINISHES</u>				
	<u>Internal Surfaces</u>				
	<u>15mmThicktwogaugedlime plaster to:-</u>				
A	Sides of columns	26	SM		
B	Sides and soffits of beam	36	SM		
C	Sides of walls	340	SM		
D	Door and window reveals	48	SM		
	<u>15mmThicktwo cementand sand(1:4) in:-</u>				
E	Floated screed backing on walls to receive white glazed wall tiles	125	SM		
	<u>250x200x8mmThickglazedwhiteceramicwall tiles from "SAJ CERAMICS LTD" or other equal and approved as described</u>				
F	6mmThicktilesonscreedbacking(m.s.)with straight joints and pointing in white cement mortar	120	SM		
G	Extra over for round edge tile	22	LM		
	<u>PAINTINGANDDECORATIONS</u>				

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	Prepare and apply three coats silk vinyl paint				
	<u>AS DESCRIBED TO:-</u>				
H	Sides of columns	26	SM		
I	Sides and soffits of beam	36	SM		
J	Sides of walls	340	SM		
K	Door and window reveals	48	SM		
	Total Carried To Collection			KShs.	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>(Internal Finishes Continued)</u>				
	<u>CEILINGFINISHES</u>				
	<u>CEILINGS</u>				
	<u>12mm Thick 'celotex' softboard ceiling on and including 100 x 50mm main branderingat 2400mm centres both ways and 50 x 50mm secondary brandering at 600mm centres both ways</u>				
A	Generally	30	SM		
	<u>Wrot Cypress</u>				
B	cornice	260	LM		
	<u>DECORATIONSTOCEILINGS</u>				
	<u>Prepare and apply one under coat and two finishing coats plastic emulsion paint as described</u>				
C	To soffits of 'celotex' ceiling	152	SM		
	<u>Prepare and apply two coats polyurethane clear wood varnish on woodwork</u>				
D	To woodsurfaces 100 -200mm girth	188	LM		

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Total Carried To Collection			KShs.	
<u>COLLECTION</u>				
Frompage4/20				
Frompage4/21				
Frompage4/20				
TOTAL FOR FINISHES CARRIED TOSUMMARY OF PARK HOUSE			KShs.	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENTNo.8</u>				
	<u>JOINERYFITTINGS</u>				
	<u>Note: All joinery fittings shal be as per Architect's specifications. The rates for the fittings shall include all plinths finished with cement sand screed, wrot camphor framing and drawers. block board shelves and divisions granite finished work tops.all</u>				
	<u>Office Low level Cupboard</u>				
A	L - Shaped Low Level office shelves overalsize3200x600x900mm	1	No.		
	<u>Office Shelving(All provisional)</u>				
	<u>25mmblockboard</u>				
B	300mmx25mmThick shelves	86	LM		
	<u>Wrot cypress</u>				
C	50x25mmhardwoodbearer	86	LM		
	<u>Square Hollow Section Brackets</u>				

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D	300mmlong x10mmThick Mild steel HS brackets fixed to wall	55	No.		
	<u>Painting & Decoration</u>				
	<u>Prepareandapply3coatsofglossoilpainton:-</u>				
E	General Surfaces of block board	52	SM		
	TOTAL FOR FITTINGS CARRIED TO SUMMARY OF PARK HOUSE			KShs	
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROVISIONALSUMS</u>				
A	Allow the Provisional Sum for electrical fittings		Item		
B	Allow the Provisional Sum of Kenya for Plumbing and Drainage		Item		
C	Allow the Provisional Sum for construction of a SepticTank		Item		

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2	REINFORCED CONCRETE FRAME	3/5			
3	WALLING	3/6			
4	ROOFING	3/10			
5	DOORS	3/11			
6	WINDOWS	3/14			
7	FINISHES	3/18			
8	JOINERY/FITTINGS	3/19			
9	PROVISIONAL SUMS	3/22			
10	CONSULTANT SUPERVISION 5 PERCENT OF THE TOTAL CONSTRUCTION COST				
	TOTAL AMOUNT OF THE PARKHOUSE AND COLD ROOM FACILITY CARRIED TO FORM OF TENDER			KShs.	