

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>BUILDER'S WORKS</u>				
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES (ALL PROVISIONAL)</u>				
A	Clear the site of all bushes ,small trees ,grab up their roots and burn all the arising .	852	SM		
	<u>Oversite excavation</u>				
B	Excavate vegetable soil average 200mm deep to remove vegetable soil and reduce levels and cart away as	852	SM		
	<u>Excavation</u>				
C	Excavate for column bases in normal soil average depth 1.50m deep.	226	CM		
D	Over 1.5m deep but n.e 3.0m dp	226	CM		
E	Over 3.0m dp but n.e 4.5m dp	226	CM		
F	Excavate for foundation trench commencing from stripped level in normal soil average depth 1.50m deep.	218	CM		
G	Over 1.5mdp but n.e 3.0m dp	218	CM		
H	Over 3.0m dp but n.e 4.5m dp	218	CM		
J	Return fill and ram selected excavated material around foundations.	1026	CM		
K	Load, wheel and cart away from site surplus excavated material and deposit in approved dumping area.	308	CM		
L	Extra over all kinds of excavation for excavating in rock class I.	52	CM		
	<u>Diposal of water</u>				
M	Keeping all excavations free from all water including spring or running water		ITEM		
	<u>Planking and strutting</u>				
N	Uphold the sides of all excavations		ITEM		
	<u>Filling</u>				
P	Hardcore filling in making up levels,exceeding 300mm thick in layers of 150mm maximum thickness	472	SM		
	<i>CARRIED TO COLLECTION</i>				

PROPOSED OFFICE BLOCK PHASE 1 AT KENYA VETERINARY BOARD ON PLOT L.R 22375 -UTHIRU
NAIROBI.

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
A	50mm (average) thick quarry dust blinding to surfaces of hardcore	472	SM		
	<u>Antitermite treatment</u>				
B	Premise 200 SC' or other equal and approved anti-termite insecticide treatment with ten years guarantee, applied strictly in accordance with manufacturer's instructions, to tops of fill and foundation walls	472	SM		
	<u>Concrete</u>				
C	50mm thick mass concrete class Q (1:3:6) to bottoms of foundations	296	SM		
	<u>In situ concrete; reinforced; class 25 / 20; vibrated</u>				
D	Foundations in trenches irrespective of thickness	30	CM		
E	Columns ;column bases	88	CM		
	<u>Reinforcement</u>				
	<u>Bars; high yield steel; cold worked to B.S. 4461 and mild steel hot rolled to B.S. 4449; including bends, hooks, tying wire and distance blocks</u>				
F	Assorted sizes; 8 - 25mm Diameter	13717	KG		
	<u>Fabric; B.S. 4483</u>				
G	Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps(including bends, tying wire and distance blocks	502	SM		
H	150mm thick 1;2;4 ground floor slab.	502	SM		
	<u>Sawn formwork to insitu concrete as described:-</u>				
J	To sides; vertical or battering of foundations or the like	528	SM		
K	Edges of ground floor slab; 75 to 150mm wide	162	LM		
	<u>Walling</u>				
L	200mm thick approved natural stone; local; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar	1089	SM		
<i>CARRIED TO COLLECTION</i>					

PROPOSED OFFICE BLOCK PHASE 1 AT KENYA VETERINARY BOARD ON PLOT L.R 22375 -UTHIRU
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ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Damp proofing</u>				
A	Polythene sheet; 1000 gauge, 200mm welted laps (no allowance made to laps), horizontal; 1 no. layer laid on compacted quarry dust blinding	502	SM		
B	200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	162	LM		
	<u>In situ Finishings</u>				
C	14mm thick 2 No. coatwork cement sand (1:3) render; wood floated to concrete or blockwork base to walls;	100	SM		
	<u>Painting and Decorations</u>				
	<u>Prepare and apply three coats bituminous paint to:</u>				
D	Wood floated rendered plinths over 300mm girth	74	SM		
	<u>Paving Slabs.</u>				
E	600 x 600 x 50 mm Precast concrete class 20/20 paving slabs, laid to falls on blinded hardcore surface and jointed in cement and sand (1:3) mortar	146	SM		
<i>CARRIED TO COLLECTION</i>					

PROPOSED OFFICE BLOCK PHASE 1 AT KENYA VETERINARY BOARD ON PLOT L.R 22375 -UTHIRU
 NAIROBI.

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>COLLECTION</u>				
	From page BW/1				
	From page BW/2				
	From page BW/3				
	TOTAL FOR SUBSTRUCTURES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>ELEMENT NO 2(GROUND FLOOR FRAME)</u> <u>Insitu concrete; reinforced; class 25 / 20; vibrated</u>				
A	Beams	32	CM		
B	Columns	18	CM		
C	Steps, staircases or strings	2	CM		
D	150mm Suspended landing	18	SM		
	CONCRETE HOLLOW POT IN SUSPENDED SLABS(Ribs125mm)				
E	300mmx225mx150mm thick <u>Reinforcement (All provisional)</u> <u>Bars; high yield steel; cold worked to B.S. 4461and mild steel hot rolled to B.S. 4449; including bends, hooks, tying wire and distance blocks</u>	502	SM		
F	Assorted sizes; 8 - 25mm Diameter <u>Sawn formwork to insitu concrete as described:-</u>	24000	KG		
G	To sides and soffits of beams.	338	SM		
H	To soffits of suspended landing	18	SM		
J	To soffits of suspended slab	502	SM		
K	Vertical sides of the column	134	SM		
L	To sloping soffits of suspended staircase over 15 ⁰ from horizontal	9	SM		
M	Edges of suspended slab, 75 to 150mm wide	162	LM		
N	Edge of risers; 75 to 150mm wide	18	LM		
P	Edge of open strings of staircase 225 to 300mm including forming profiles of treads and risers	36	LM		
TOTAL FOR GROUND FLOOR FRAME CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>ELEMENT NO 3(GROUND FLOOR WALLING)</u>				
A	WINDOW CILL; 250 x 50 mm extreme height; once weathered; once throated; reinforced as necessary for handling; surface fair finish 275 mm girth; bedding, jointing and pointing in cement sand (1:3) mortar	114	LM		
	<u>NATURAL STONE WALLING</u>				
B	200 mm thick approved local; chisel dressed both sides;	726	SM		
C	150mm ditto; internal; reinforced with hoop iron at	174	SM		
D	Extra over horizontal and vertical pointing in 10mm thick rod in cement and sand (1:3) mortar; one coat of	726	SM		
TOTAL FOR GROUND FLOOR WALLING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	ELEMENT NO 4 <u>DOORS</u>				
	The following in Wrot Hard wood timber.				
A	Mahogany panel doors size 900mmx2400mm or any other equal and approved hardwood	10	NO		
B	Ditto size 1800 x 2400 mm high; double leaf door	1	NO		
C	Ditto purpose made revolving doors	2	NO		
D	100mmx50mm celcured hard wood door framing	60	LM		
E	50mmx25mm ditto architraves	60	LM		
F	25mm rounded quardrant	60	LM		
	<u>FLUSH DOORS</u>				
	<u>45mm Thick semi-solid core flush doors to B.S 459: part 2 veneered both sides with internal quality plywood and lipped on all edges in approved hardwood</u>				
G	Purpose made doors size 800 x 1800 mm high	10	NO		
	<u>Frame and finishing.</u>				
	<u>Soft wood as described:</u>				
H	100 x 50 mm; 2 No. labours; plugged door frame	60	LM		
J	40 x 25 mm weathered architrave	60	LM		
K	25mm rounded quardrant	60	LM		
L	50mm long aluminium barrel bolts	10	NO		
	<u>Iron Mongery</u>				
M	3 lever union mortice locks	20	NO		
N	Indicator bolts as union catalogue	10	NO		
P	100mm steel butt hinges	30	PRS		
Q	Door closers as union catalogue	10	NO		
<i>TOTAL FOR DOORS CARRIED TO SUMMARY</i>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	ELEMENT NO 5				
	<u>WINDOWS</u>				
	<u>Bull-nosed burnt clay, finishing fair on all exposed surfaces and hoisting and placing in position, bedding, jointing and pointing in pigmented cement and sand (1:3) mortar</u>				
A	150 x 25mm thick clay window sill	114	LM		
	<u>Wrot Cypress</u>				
B	150 x 25 mm thick window boards including bull-nosed edges and 25 x 25 mm bearer; plugged, counter sinking and flush pelleting.	114	LM		
C	15 x 15mm quadrant bead	114	LM		
	<u>METAL WORK</u>				
	<u>PURPOSE - MADE UNITS</u>				
	<u>Supply, assemble and fix the following purpose-made alluminium sliding windows sa per Architect approval.</u>				
D	Overall size 5550 x 1500mm high	2	NO		
E	Overall size 6000 x 1500mm high	4	NO		
F	Overall size 2400 x 1500mm high	4	NO		
H	Overall size 7500 x 1500mm high	1	NO		
J	Overall size 3100 x 1500mm high	2	NO		
<i>CARRIED TO COLLECTION</i>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Glazing</u>				
A	5mm Thick clear sheet glass panes over 0.1 but not exceeding 0.5 square meters; fixing with putty	90	SM		
B	Ditto but obscure sheet glass	6	SM		
	<u>Painting and Decorations</u>				
	<u>On Metal work</u>				
	<u>Prepare and apply three coats oil paint full gloss to</u>				
C	General window surfaces; over 300mm girth internal	40	SM		
D	General window surfaces; over 300mm girth external	40	SM		
	<u>Ventian blinds</u>				
E	Supply and fix executive venetian blinds approved Venetian blinds system with high quality horizontal louveres with opening and closing mechanism as per manufacturers specifications subject to approval of sample by Project Manager	280	SM		
<i>CARRIED TO COLLECTION</i>					

PROPOSED OFFICE BLOCK PHASE 1 AT KENYA VETERINARY BOARD ON PLOT L.R 22375 -UTHIRU
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ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	COLLECTION				
	From page BW/8				
	From page BW/9				
TOTAL FOR WINDOWS CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>ELEMENT NO 6</u>				
	<u>Wall finishes</u>				
	<u>In situ finishes</u>				
	<u>Render; 18mm thick, 1 No. coatwork of cement and</u>				
A	Beams; external	120	SM		
B	Columns external	40	SM		
	<u>Plaster; 18mm thick, 2 No. coatwork, 15mm first coat</u>				
C	Walls, beams; internal	112	SM		
D	Columns internal	40	SM		
	<u>Painting and decorations</u>				
	<u>Prepare and apply three coats of first quality plastic emulsion paint to: -</u>				
E	Plastered walls; beams; internal	112	SM		
F	Rendred beams; external	120	SM		
G	Soffits of the suspended slab	520	SM		
H	Ceramic wall tiles to ablution facilities	384	SM		
J	18mm thick c/s 1,3 wall plaster	384	SM		
<i>CARRIED TO COLLECTION</i>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Floor Finish</u>				
	<u>Beds and Backings</u>				
	<u>Approved; Premium quality; imported; non-slip; Granite floor tiles to regular or other approved pattern; bedding and jointing in cement sand (1:4) mortar; grouting with</u>				
A	8mm Thick to Floors level; internal	520	SM		
B	Skirtings; 100mm wide with rounded junction with wall finish and coved junction with floor finish	1220	LM		
	<u>Beds or Backings</u>				
	<u>Screed; cement and sand (1:3)</u>				
C	32mm thick one coat backings; wood floated to receive granite floor tiles (m/s) to concrete or blockwork base; to floors level; internal	520	SM		
<i>CARRIED TO COLLECTION</i>					

PROPOSED OFFICE BLOCK PHASE 1 AT KENYA VETERINARY BOARD ON PLOT L.R 22375 -UTHIRU
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ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	COLLECTION				
	From page BW/11				
	From page BW/12				
TOTAL FOR FINISHES CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>ELEMENT NO 7</u>				
	<u>PARTITIONS</u>				
	<u>Aluminium Partitions</u>				
	<u>The following in partitions comprising 18mm thick Laminated Medium Density Fibre board (MDF) in aluminium framing and glazing approximately 1500mm from finished floor level;</u>				
A	74x44x2mm anodised powder coated aluminum framing to match existing fabricated to specification; horizontally	204	LM		
B	Ditto but Vertically	513	LM		
C	20x15mm powder coated aluminium beadings	1642	LM		
D	Extra Over; 20mm Thick rubber strip to approval	1642	LM		
	<u>Glazing</u>				
E	12mm Thick clear glass fixed to metal with aluminium Films	162	SM		
F	Supply and fix one-way stripped films to match the existing as directed by the Project Manager	162	SM		
	<u>.WALL CLADDING TO MEETING ROOM.</u>				
G	Internal Wall Gypsum cladding; in-filled with styrofoam for soundproofing, the necessary timber backing and fixing accessories; as per Architect's specifications	81	SM		
TOTAL FOR PARTITION CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>ELEMENT NO 8</u>				
	<u>Gypsum Ceiling Finish</u>				
	<u>Suspended moulded decorative gypsum plasterboard ceiling: taped and filled joints : on and including metal grid system: including all cutting and trimming to light fittings:</u>				
A	Horizontal ceiling lining; internal	90	SM		
B	25 x 100 mm decorative polystyrene cornice	54	LM		
	<u>Ceiling Finish</u>				
C	12mm thick Accoustic Ceiling fitted to alluminium casement as per architects details	430	SM		
TOTAL FOR CEILING CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>ELEMENT NO 9</u>				
	<u>SEPTIC TANK</u>				
	<u>Site clearance</u>				
A	Clear site for sewage treatment works of all bushes, scrub, weeds, small trees grass and the like and dispose as directed by the DR	24	SM		
	<u>Excavations</u>				
B	Excavate pit for septic tank starting from ground level not exceeding 1.5m deep backfill around the septic tank after construction and dispose surplus material as directed by the DR	35	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 surplus material as directed by the DR	35	CM		
D	Ditto but exceeding 3.0m and not exceeding 4.5m deep	23	CM		
E	Extra over excavation for excavation in class I rock (PROVISIONAL)	9	CM		
F	Ditto class II rock (PROVISIONAL)	11	CM		
	<u>CONSTRUCTION</u>				
G	(1:3:6) blinding	24	SM		
H	concrete class 25/20 in concrete bed	24	SM		
J	concrete class 25/20 in walls	10	SM		
	<u>SEPTIC TANK (CONT'D)</u>				
K	Provide place and vibrate 150mm thick reinforced	62	SM		
L	Ditto 200mm thick in suspended slab	24	SM		
	<u>REINFORCEMENT</u>				
M	Provide, cut, bend and fix in concrete Assorted reinforcing bar including all necessary tying wire, spacer blocks, and the like:	2160	KGS		
N	Provide and place in concrete BRC mesh No. 65 reinforcement or equivalent, including all necessary tying wire, spacer blocks, laps and the like	24	SM		
<i>CARRIED TO COLLECTION</i>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Formwork</u>				
A	Provide and fix sawn timber formwork to edges of bed between 150 and 225mm high	20	LM		
B	Ditto to edge of suspended slab between 75 and 150mm high	20	LM		
C	Ditto between 150 and 225mm high	4	LM		
D	Provide and fix sawn timber formwork to soffit of suspended slab	24	SM		
E	Provide and fix sawn timber forwork to sides of walls	75	SM		
	<u>SEPTIC TANK</u>				
	<u>FINISHES</u>				
F	Provide materials and apply 12mm rendering (1:1) to walls both internally	75	SM		
G	Provide and apply 25mm thick screed (1:3) to slab (top & bottom)	48	SM		
H	Provide and fix 600x450 medium duty manhole cover and frame to detail (50)5313 type 'B'	4	NO		
J	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		
K	Allow for keeping excavations free from general waters		ITEM		
<i>CARRIED TO COLLECTION</i>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<p><u>MANHOLES</u></p> <p>A Provide materials and erect manhole type A & to detail (50)5301 including all necessary excavations, backfilling and disposal of surplus material and formwork and medium duty manhole cover and frame to detail (50)5313 type 'A' average depth 0.9m</p>	4	NO		
<i>CARRIED TO COLLECTION</i>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>COLLECTION</u>				
	From page /16				
	From page /17				
	From page /18				
<i>TOTAL FOR SEPTIC TANK CARRIED TO GRAND SUMMARY</i>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	ACCESS ROAD				
A	Grading of road carriage way to shape including slopes ,camber formation ,shoulder and safe drain	1860	200		
B	Provide lateric (natural) gravel/murram of CBR greater than 30% plastics index of less than 15%,lay,spread,water and compact to 150mm thickness.	280	CM		
	<u>PARKING YARD (CABRO WORK)</u>				
	<u>APPROX. 20 NO VEHICLES</u>				
C	Bulk excavation to reduce levels not exceeding 1.50 metres deep starting from general ground level	540	CM		
D	Load and cart away excavated material	540	CM		
E	Allow for keeping the excavations free from all water including spring and running water		ITEM		
	<u>Filling</u>				
F	Approved imported filling well rolled and compacted to 95% maximum dry density in layers not exceeding 150mm thick to make up levels	54	CM		
G	150mm thick murram filling well rolled and compacted	360	SM		
H	Blind surface of hardcore with 50mm thick fine material watered and compacted.	360	SM		
	<u>Paving blocks</u>				
J	BAMBURI' special products or other equal and approved 60mm thick standard duty paving blocks on and including 25mm thick sand bed to manufacturer's specifications	360	SM		
<i>Carried to collection</i>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>Kerbs and channels</u>				
A	(1:2:4) half battered kerb with 125 x 100mm channel	120	LM		
B	(1:2:4) channel block bedded and jointed in cement/sand	120	LM		
C	Allow for constructing concrete channel.				
D	Ditto but in alternate strips of black and white	300	LM		
E	Excavate trench for Invert Block Drain; depth n.e. 1.5m; average 0.75m deep and dispose off as specified	120	LM		
F	Provide, lay and compact approved murrum bed 100mm thick	120	LM		
<i>Carried to collection</i>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
A	Excavate for pits diameter 150mm, average depth 600mm.	1	CM		
B	Load and cart away excavated material	1	CM		
	<u>Filling</u>				
C	1;2;4 concrete in foundtion	1	CM		
D	150mm x150mmx 4mm thick mild steel upstands	88	LM		
E	100mm x50mmx3mm thick wall plate	132	LM		
F	50mmx50mmx3mm thick mild steel girders	520	LM		
G	40 x 40mm x4 mm thick struts and ties	156	LM		
H	50 x 25mmx2 mm thick braces	39	LM		
J	12mm diameter sagrods	120	LM		
K	150 x50 x2mm thick Z purlins	600	LM		
	<u>Roof covering; 150mm laps on one end and one and a half corrugation side lap; and bolting to 150 x 50mm mild steel purlins (m/s).</u>				
	28 gauge prepainted IT 5	600	SM		
	<u>RAINWATER DISPOSAL</u>				
	<u>24g Galvanised mild steel sheeting; all welds ground smooth</u>				
	150 x 100mm box gutter including soldered joints in the running length fixed to fascia board with and including brackets at approved centers	120	LM		
	Extra; for 90 ⁰ corners.	6	NO		
	Extra; 100mm dia.outlet 100mm long	6	NO		
	100mm dia. rainwater uPVC downpipe fixed with and including mild steel straps at 900mm centres, plugged and screwed to wall	36	LM		
	Extra; swanneck bend with 1135mm projection	6	NO		
	Extra; horse shoe bend	6	NO		
	<i>Carried to collection</i>				

PROPOSED OFFICE BLOCK PHASE 1 AT KENYA VETERINARY BOARD ON PLOT L.R 22375 -UTHIRU
 NAIROBI.

ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<u>COLLECTION</u>				
	From page /20				
	From page /21				
	From page /22				
<i>TOTAL FOR ACCESS ROAD AND CAR PARK YARD CARRIED TO GRAND</i>					

PROPOSED OFFICE BLOCK PHASE 1 AT KENYA VETERINARY BOARD ON PLOT L.R 22375 -UTHIRU
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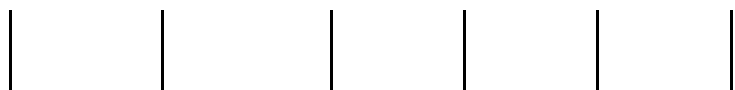
ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS

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ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS

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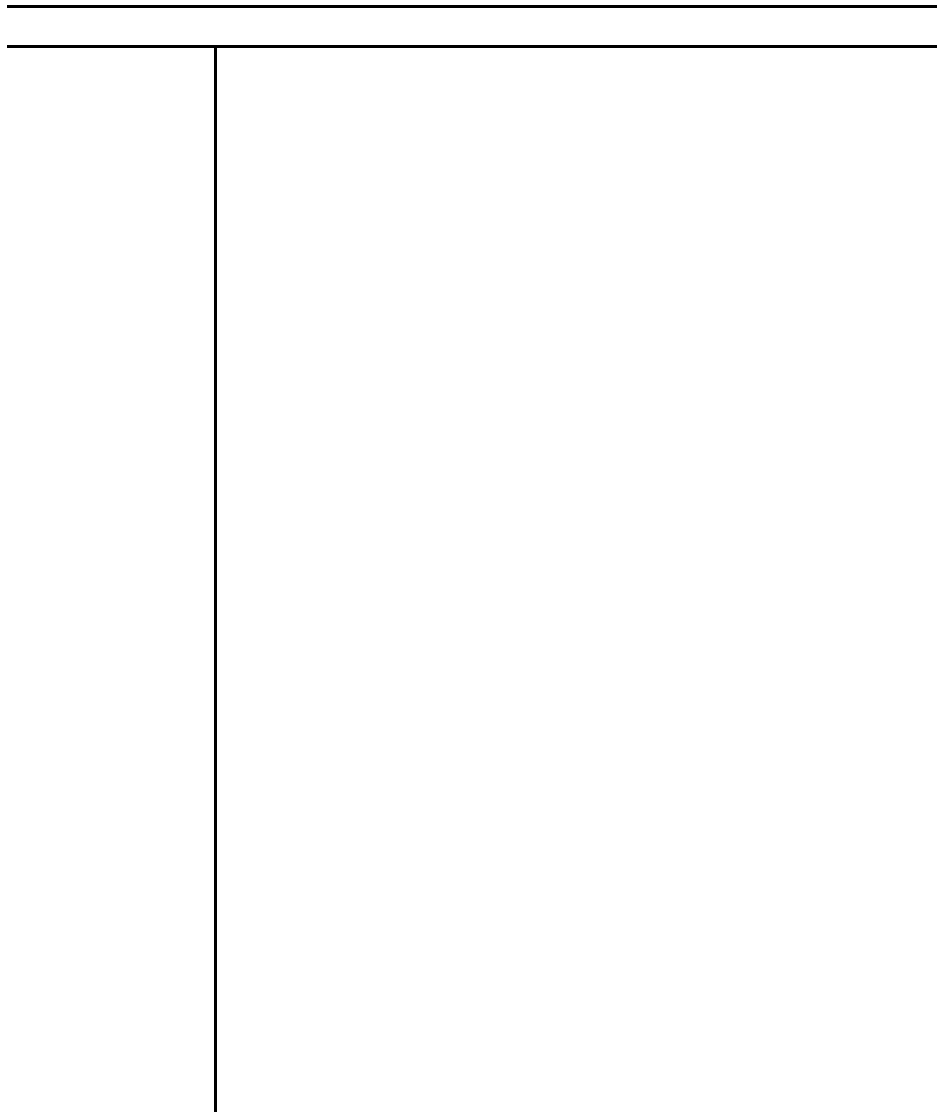
ITEM	DESCRIPTION	QTY	UNIT	RATE	K.SHS
	<i>TOTAL FOR ELEMENTS CARRIED TO GRAND SUMMARY</i>				



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PROPOSED OFFICE BLOCK PHASE 1 AT KENYA VETERINARY BOARD ON PLOT L.R 22375 -UTHIRU
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