

THE OFFICES AND STORAGE OVER BREASTFEEDING AREA AND TOILETS

BILL OF QUANTITIES

S/N	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	ALTERATION				
	Information				
	The contractor is advised to visit the site and access the nature and extent of demolition work to be executed				
	Alteration and demolition of parts of existing structures and other associated works.				
	The contractor should however refer to the various architectural and structural details in relation to this section of work for the nature of detailed content of the work to be executed				
A	Carefully demolish trees around, redirect existing services if necessary, remove all existing roof elements, to include dispose and carefully cart away. Create temporary opening to access workspace for support in substructure. Make good opening to previous and Make good all works disturbed		item		
B	Allow for additional works in this section		item		
	ALTERATION CARRIED TO SUMMARY				
2	SUBSTRUCTURE				
	Information				
	This work in this section comprises of excavations,levelling and compactions to support existing floor and introduction to support decks, upper floors and other ancilliary works				
	Excavation				
A	Excavate foundation pits for pad foundations not exceeding 600mm width , maxmum depth, not exceeding 600mm starting at stripped level	2	m3		
B	Back and remove previously excavated materials to site	2	m3		

	Surface Treatment				
C	Level and compact bottom of excavation to receive concrete	4	m2		
	Concrete work				
D	Plain in-situ concrete { 1:4:8 } binding not exceeding 50mm thick in : foundations, under pad footings	1	m3		
	Vibrated reinforced in-situ concrete { 1:2:4-19mm aggregate} filled into formwork and well packed around reinforcement measured seperately in;				
E	Pad footings 600mm deep	1	m3		
	Support				
F	High yeild foundation support in form cleave or gutted plates fabricated to support existing foundation footings at 2m intervals	18	nos		
	Reinforcement				
	High yeild reinforcement to BS4449 in straight and bent bars cut to length including hooks spacers distance blocks tying wires, welding to threaded nuts to receive structural steelUB Columns measured seperately				
G	10 - 16mm diametre	74	kg		
H	BRC mesh ref A -142 to slab according to the structural Engineers specifications	12	m2		
	Sawn formwork to;				
I	Edges of footings not exceeding 600mm deep	6	m2		
J	Protect all works in this element		item		
	SUBSTRUCTURE CARRIED TO SUMMARY				
3	FRAMES, UPPER FLOORS AND STAIRCASES				
	Information				
	Referrence is made to Architects drawing for details and work description required in this section				

	Concrete work				
	Vibrated reinforced in- situ concrete { 1:2:4 - 19mm aggregate } filled into formwork and well packed around reinforcement measured seperately in:				
A	Floor slabs, 50mm thick	6	m3		
	Vibrated reinforced precast concrete {1: 2 :4 - 19mm aggregate} well packed around BRC mesh reinforcement measured seperately in;				
B	Steps 50mm thick	1			
	Reinforcement				
C	BRC mesh to upper floor slab, according to the structural engineers specifications	102			
D	Ditto to precast step slabs	12			
	Structural Steel Frames, Upper floor and Staircase				
E	Steel metal deck plate welded to structural steel frames receive concrete slab inclusive of storage container floor slab according to the structural engineers specifications	83	m2		
	Unfabricated Steel work				
F	Allow for the fabrication and installation of weldable structural steel frames and staircase to BS4360 including necessary specified Universal beams, H Beams welded to base plate to support, L Angles, steel plates and bolts etc, cut to length and primed with anti corrosion primers, to wall support frame, staircase and handrails, according to the architects specifications		sum		
G	Protect all works in this element		item		
	FRAMES, UPPER FLOORS AND STAIRCASES CARRIED TO SUMMARY				
4	WALL				
	Information				
	Reference is made to the following;				
	Architects location Drawings for details and description of work required in this section.				

	Panel Walls				
A	50mm thick sandwich cold room pallet sourced from Vitapur Nigeria Limited equally approved complete with necessary installation interlocks and accessories, fixed according to the architects instructions	135.5	m2		
	50mm thick panel walls, 2.5m high				
B	Protect all works in this element		item		
	WALL CARRIED SUMMARY				
5	ROOF				
	Information				
	Reference is made to the following;				
	Architects location Drawings for details and description of work required in this section.				
	Roof carcass				
A	Allow for the fabrication and installation of steel roof carcass, including necessary specified L Angles plates, bolts etc, well welded, cut to length, primed with anti corrosion primers, to receive longspan aluminium covering attached above support frame with attached fascia board to receive aluminium roof fascia as directed		sum		
	Covering				
	Approved longspan corrugated aluminium otherwise approved roofing sheets fixed to purlins with necessary accessories including drive screws and bolts, nut washers and bituminous sealers all in accordance with manufacturers printed instructions				
B	0.55mm thick roofing sheets	131.5	m2		
C	0.55mm thick ridge 300mm girth	23	m		
D	Allow for aluminium roof gutter system, connected to attached PVC pipes according to the architects specifications		sum		
E	Protect all works in this element		item		
	ROOF CARRIED TO SUMMARY				

6	FINISHES				
	Information				
	Reference is made to the following;				
	Architects location Drawings for details and description of work required in this section.				
	Floor Finishes				
	Approved 10mm thick fully vitrified floor tiles finish laid to approved pattern fixed with tile adhesives but jointed and pointed in matching grout, laid on screeded bed{ tile cost 3500 per m2},screed measured seperately in all office spaces and step on tiles for external stairwell thread and landing				
A	Floors	97	m2		
B	42mm cement and screeded bed {1:3}	97	m2		
	Floors				
	Ceiling Finishes				
	Supply and install approved 600mm x 600mm suspended mineral fibre boards fixed to galvanized steel knoggings				
C	Ceilings { upper floor} and{ ground floor} to include storage container	78	m2		
D	Approved imported glossy well finished wood{packing case} attached to stairwell as handrails as specified by architect	20	m		
E	Allow a provisional sum for additional works to the following finshing items		sum		
F	Protect all works in the element		item		
	FINISHINGS CARRIED TO SUMMARY				

7	WINDOWS , BURGLARS AND DOORS				
	Information				
	Reference is made to the following;				
	Architects location Drawings for details and description of work required in this section.				
	Windows				
	Tower Economy sliding Aluminium powdered coated approved window with 6mm clear glass and flyscreen complete with all iron mongery assembled and fixed				
A	1500mm x 1200mm high sliding	3	nos		
B	1500mm x 1200mm high projected	5	nos		
C	1700mm x 1200mm high projected	1	nos		
D	1500mm x 4100mm high	1	nos		
E	3300mm x 600mm high projected with 2000mm x300mm{2nos fixed}. Refer to architectural details	1	nos		
F	900mm x 700mm high projected	1	nos		
	Approved burglar proofz screens to window openings consisting of 25 x 25 x 20mm metalbar sections pipe at 150mm centres vertically and horizontally welded together and coated with same specified above aluminium profile infused to window frame to suit opening as directed by Architect;				
G	Allow a provisional sum for fabrication and installation of burglars to windows		sum		
	Doors				
	Supply and fix American Panel flush Doors of superior quality with woodlike finish complete with approved frames, architraves, and set of necessary iron mongery obtained from approved suppliers				
A	900mm x 2100mm high imported turkey security door	2	nos		
B	900mm x 2100mm high imported wooden flush door	3	nos		
C	2000mm x 2100 mm high tower aluminium sliding glazed door	1	nos		
D	Allow provisional sum for windows, burglars and doors in this column		sum		
	WINDOWS, BURGLARS AND DOORS CARRIED TO SUMMARY				

8	ENGINEERING SERVICES				
	Information				
	Reference is made to the following;				
	Architects location Drawings for details and description of work required in this section.				
	Mechanical Engineering Installations				
	Pipeworks				
	Allow for the sum for plumbing pipeworks installations				
	Plumbing				
	Allow for floor drain piping works conduit beneath at under ceiling from reinforced concrete slab receiving storage to drain into nearby drain	2	nos		
	Electrical Engineering Installations				
A	Allow a Provisional sum for the supply and installation of pipe works of PVC Conduit or surface,inclusive of wiring, Earth conduiting system,change over switches, distribution boards inclusive of breaker, sockets and switches, lightning fittings, fire alarm systems, cctv where applicable etc in all spaces to include storage container		sum		
B	Allow provisional sum for engineering services in this column		sum		
	ENGINEERING SERVICES CARRIED TO SUMMARY				
9	CIVIL WORKS FOR CONCRETE SLAB FOR 20FT STORAGE CONTAINER				
	Information				
	Reference ia made to the following;				
	Architects location Drawings for details and description of work required in this section.				

	Reinforcement works				
	High yeild reinforcement to BS4449 in straight and bent bars cut to length including hooks spacers distance blocks tying wires, welding to threaded nuts to receive structural steelUB Columns measured seperately				
A	10 - 16mm diametre	45	kg		
B	BRC mesh ref A -142 to slab according to the structural Engineers specifications	9	m2		
	Concrete work				
C	Vibrated reinforced in-situ concrete { 1:2:4-19mm aggregate} filled into formwork and well packed around reinforcement measured seperately in;	3	m3		
	Protect all works in this section		item		
	CIVIL WORKS FOR CONCRETE SLAB FOR 20FT STORAGE CONTAINER CARRIED TO SUMMARY				
10	MOUNTING OF 20FT CONTAINER				
	Information				
	Reference is made to the following;				
	Architects location Drawings for details and description of work required in this section.				
	Purchase and mount carefully 20ft container in its place		sum		
A	Allow provisional sum for mounting container in its place		sum		
	MOUNTING OF 20FT CONTAINER CARRIED TO SUMMARY				
11	BOARDING OF20FT STORAGE CONTAINER				
	Information				
	Reference is made to the following:				
	Architects location Drawings for details and description of work required in this section.				
A	Panel board internally wall with 3/4 thick plywood to perfect finish to conceal walls	41	m2		
	Protect all works in this column		item		
	BOARDING OF20FT STORAGE CONTAINER CARRIED TO SUMARY				

12	INTERNAL PAINTING WORKS OF 20FT STORAGE CONTAINER				
	Information				
	Reference is made to the following:				
	Architects location Drawings for details and description of work required in this section.				
A	Screed and Apply one undercoat, two finishing coats of quality emulsion finishing paint equal and approved colour internally	41	m2		
	Protect all works in this column				
	INTERNAL PAINTING WORKS OF 20FT STORAGE CONTAINER CARRIED TO SUMMARY				
13	LANDSCAPE				
	Information				
	Reference is made to the following;				
	Architects location Drawings for details and description of work required in this section.				
A	Remove weed and apply anti termite treatment prior and at completion. Allow for replica landscape with slabs with epoxy finish at intervals/white crushed stones sharp sand base in paved way finished as same in place.	9	m2		
B	Allow for 150mm x 150mm hollow sandcrete blockwall joined in cement and sand{1;3} and placed on concrete grade 21 at both sides	16	m		
C	Allow for provisional sum for landscape items in this section		sum		
	LANDSCAPE CARRIED TO SUMMARY				

SUMMARY				
Alteration				
Substructure				
Frames, Upper floor and Staircases				
Walls				
Roof				
Finishings				
Windows , burglars and Doors				
Engineering services				
Civil works for concrete slab for 20ft storage				
Mounting of 20ft container				
Boarding of 20ft container				
Internal painting works of 20ft container				
Landscape				
TOTAL{CARRIED TO GENERAL SUMMARY}				