

SCHEDULE OF QUANTITIES**prasa cres**

CORPORATE REAL ESTATE SOLUTIONS

GENERAL BUILDING WORKS

Item No	Description	Unit	Quantity	Rate	Amount
1	SECTION No. 1				
	BILL NO. 1				
	Occupational Health and safety The contractor shall comply with all the requirements set out in the Construction Safety file shall be provided by the contractor The contractor shall carry out the works with as little noise and mess as possible. All rubble shall be taken away from site on a daily basis. Note: All designated items should comply with local content threshold. Compliance with Occupational Health and Safety Act (Act 85 of 1993) and its regulations and with the Employers Health and Safety (Safety File)	Sum	1		
			Carried to final summary		
Item No.	Description	Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 1</u>				
	<u>ALTERATIONS</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>General</u> Special care shall be exercised during the progress of the work to ensure that any electrical installations, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the project manager if any disconnection or alterations become necessary The contractor shall take all precautions necessary to prevent any nuisance from dust whilst carrying out the work				

	<u>Leave in good condition</u>				
	The contractor must leave the existing building, in which the alterations are executed, clean and neat at completion				
	Price shall include removal and disposal of rubble from site				
	<u>REMOVAL OF EXISTING WORK</u>				
	Breaking up and removing mass concrete				
1	100mm Thick surface bed	m ²	1		
	Breaking down and removing brickwork etc				
2	Precast concrete prefabricated walls 2.4m high	m	1		
	One brick wall	m ²	1		
	Taking out and removing doors, windows, etc from brickwork to be demolished				
3	Timber single door and steel frame 813 x 2032mm high	No	1		
	Taking out and removing doors including ironmongery from steel frames				
4	Timber single door 813 x 2032mm high	No	1		
5	Timber double door 1680 x 2032mm high	No	1		
	Taking out and removing doors from steel frames, take out ironmongery from doors and set aside for re-use and later installation to new doors				
6	Timber single door 813 x 2032mm high	No	1		
	Taking out removing doors, windows, etc including thresholds, sills, etc				
7	Timber single door and steel frame 813 x 2032mm high	No	1		

	Taking out and removing doors, windows, etc including thresholds, sills, etc and building up openings in brick walls including making good cement plaster on both sides(making good paint work elsewhere)				
8	Timber single door and steel frame 813 x 2032mm high	No	1		
9	Glazed steel window 1500 x 1500mm high from one brick wall	No	1		
	Taking out and removing doors, windows, etc including thresholds, sills, etc and building up openings in brick walls including making good face brickwork on one side to match existing and cement plaster on other side(making good paint work elsewhere)				
10	Timber single door and steel frame 813 x 2032mm high from one brick wall	No	1		
11	Glazed steel window 500 x 900mm high from one brick wall	No	1		
12	Glazed steel window 1500 x 1000mm high from one brick wall	No	1		
	Taking down and removing roofs, floors, panelling,ceilings,partitions,etc				
13	Flat corrugated iron roof 2000 x 2500mm overall including roof covering , timber trusses and purlins , ceilings and cornices, eaves soffit covering, fascias, barge boards, gutters and rainwater pipes	m ²	1		
14	Gypsum ceilings including cornices,brandering,jointing strips etc	m ²	1		
	Drywall partition wall	m2	1		
	Taking out and removing sundry joinery work				
15	Timber skirtings, dado rails etc not exceeding 300mm wide from brickwall	m	1		
16	Timber ceiling cover strips from gypsum ceilings	m	1		
17	Fibre cement barge boards	m	1		
18	Timber work table 3700 x 700 x 900mm high	No.	1		
19	CP cabin hook and eye including timber backing block	No.	1		

	Taking out and removing ironmongery, etc				
20	Chromium plated toilet paper holder, paper towel holder	No.	1		
21	Plastic toilet seat	No.	1		
	Bins, Soap dispenser	No.	1		
	Taking out and removing sundry metal work, etc				
22	Steel security gate, frame and grid 6000mm x 2200mm high from brick work	m	1		
23	Galvanized wash line strands including supply and installation of new 4mm diameter galvanized straining wires	m	1		
24	CP Curatin brackets and railing approximately 3.5m long	No.	1		
	Taking out and removing vinyl floor coverings, carpeting, etc				
26	Vinyl tile floor covering including preparing screed for new vinyl floor sheeting	m ²	1		
27	Vinyl tile floor covering including preparing screed for new screed	m ²	1		
28	Existing waterproofing material from concrete surfaces	m ²	1		
29	Vinyl skirting complete with all glue etc.	m	1		
	Existing carpets and preparation for new flooring	m ²	1		
30	Ceramic tile complete with skirting	m ²	1		
	Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc				
31	40mm Granolithic from floors	m ²	1		
32	Internal plaster from walls, columns and beams	m ²	1		
33	Internal granolithic skirting from walls	m ²	1		

	Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed,plaster or tile finishes				
34	150 x 150mm Tiles to walls	m ²	1		
	Taking out and removing glass,mirrors,putty,beads,etc				
35	Glass from steel windows including cleaning out rebates and preparing for new glass	m ²	1		
37	Weathered putty from steel window rebates and apply new putty	m	1		
	Cutting through floors and ceilings				
38	Cutting through 100mm thick concrete surface bed including making good concrete of new brick wall	m	1		
	Preparatory work to existing surfaces				
39	Hacking face of existing concrete columns,beams,floors,treads and risers of stairs,etc to receive new plaster screeds,etc	m ²	1		
40	Hacking face of existing plastered wall to receive new wall tiles	m ²	1		
41	Hacking face of existing granolithic floors to receive new granolithic screeds	m ²	1		
	Making good of finishes etc				
	Make good face brickwork to face of wall at projecting pipes etc				
42	Round 200mm pipes	No.	1		
	Making good untinted granolithic				
43	Floors in patches	m ²	1		
44	Skirtings in patches	m	1		
	Making good screed				
45	Floors where one brick walls removed	m	1		
	Making good internal cement plaster				
46	Walls in patches	m ²	1		
47	Walls where one brick wall is removed	m	1		

	Openings through existing walls etc				
	Breaking out for and forming openings through brick walls for new windows including necessary brick on edge lintels and making good face brick work to match existing on one side and plaster on other side and into reveals and with sloping quarry tile sill on outside and flat plastered sill on inside (new windows and making good paintwork elsewhere)				
48	Opening for window 533 x 654mm high through one brick wall	No.	1		
49	Opening for window 1511 x 1.023mm high through one brick wall	No.	1		
	<u>BILL NO.2</u>				
	<u>EARTHWORKS (PROVISIONAL)</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	All soil poisoning and insecticide to be applied under a ten year guarantee by an approved firm of specialist				
	General notes				
	Fill material shall be placed in lift of not more than 150mm				
	Compaction density to be controlled using DCP apparatus to a maximum of 30mm/blow 93% MOD AASHTO compaction is to be achieved				
	Where backfill is required on both sides of walls, backfill both sides simultaneously.				
	Where compaction of fill material behind retaining walls is done using mechanical rollers, the rollers must be kept 500mm away from the wall and this 500mm portion must be compacted with hand stampers or wackers.				
	Site Clearance				
1	Clear the whole area, remove all rubbish, debris, vegetation and shrubs not exceeding 200mm girth	m ²	1		

EXCAVATION, FILLING, ETC			
	Excavation in earth not exceeding 2m deep		
2	Trenches	m ³	1
3	Holes	m ³	1
4	Raft foundations	m ³	1
	Extra over trench and hole excavations in earth for excavation in		
5	Soft rock	m ³	1
6	Hard rock	m ³	1
	Extra over all excavations for carting away		
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m ³	1
	Risk of collapse of excavations		
8	Sides of trench and hole excavations not exceeding 1,5m deep	m ²	1
	Keeping excavation free of water		
9	Keeping excavation free of water		Item
	Earth filling obtained from the excavations and/or precribed stock piles on site compacted to 93% Mod AASHTO density		
10	Backfilling of trenches,holes,etc	m ³	1
	Coarse river sand filling supplied by the contractor		
11	Under floors etc	m ³	1
	Compaction of surfaces		
12	Compaction of ground surface under floors etc including scarifying for a depth of 150mm,braking down oversize material,adding suitable material where necessary and compacting to 93% Mod AASHTO density	m ²	1
	Soil Poisining		
	Soil insecticide	m ³	1
13	To bottoms and sides of trenches,etc	m ²	1
Carried to final summary			

Item	Description	Unit	Quantity	Rate	Amount
	<u>BILL NO 3</u>				
	<u>CONCRETE WORK</u>				
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Cost of tests:				
	The costs of making, storing and testing of concrete test cubes as required under clause 7, "test" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the				
	Formwork				
	include use and waste only (except where described as "left in" or "permanent", for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as				
	such construction as is sufficiently strong to afford the required support without damage and shall remain in position until newly constructed work is				
	Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the				
	UNREINFORCED CONCRETE				
	15 Mpa/20 mm concrete				
1	50mm Thick surface cover screed	m ²	1		
2	Surface bed	m ³	1		

	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15 Mpa/20 mm concrete				
3	Casing	m ³	1		
	20 Mpa/20 mm concrete				
4	Strip footings	m ³	1		
	REINFORCED CONCRETE				
	25 Mpa/20 mm concrete				
5	Bases	m ³	1		
6	Raft foundation slab	m ³	1		
7	Slabs including beams and inverted beams	m ³	1		
8	Ring beams	m ³	1		
9	Stairs including landings,beams and inverted beams	m ³	1		
10	Walls	m ³	1		
11	Columns	m ³	1		
12	Columns in foundations (Provisional)	m ³	1		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25 Mpa/20 mm concrete				
13	Raft foundations beams	m ³	1		
14	Raft foundation channels	m ³	1		
	TEST BLOCKS				
15	Making and testing 150 x 150 x 150mm concrete strength test cube(Provisional)	No.	1		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
16	Surface beds,slabs,etc	m ²	1		

	ROUGH FORMWORK (DEGREE OF ACCURACY II)				
	Rough formwork to sides				
17	Raft foundations beams	m ²	1		
18	Raft foundation channels	m ²	1		
19	Walls	m ²	1		
20	Rectangular columns	m ²	1		
21	Rectangular columns in foundation (provisional)	m ²	1		
22	Beams	m ²	1		
23	Inverted beams above concrete	m ²	1		
24	Ring beams	m ²	1		
25	Edges,risers,ends and reveals not exceeding 300mm high or wide	m	1		
26	Sloping and stepped outer edges of stairs not exceeding 300mm high extreme	m	1		
	Rough formwork to soffits				
27	Slabs	m ²	1		
28	Landings	m ²	1		
29	Stairs with sloping soffits	m ²	1		
30	Slabs exceeding 250mm and not exceeding 500mm thick	m ²	1		
	Boxing out rough formwork to form				
31	150 x 150 mm high horizontal projection side	m	1		
32	200 x 200mm high horizontal projection to side	m	1		
	Rough formwork to form				
33	Opening exceeding 1m and not exceeding 2m girth through not exceeding 300mm slab	No.	1		
34	150mm Diameter opening through 200mm slab	No.	1		
35	150mm Diameter opening through 250mm slab	No.	1		
36	300mm Diameter opening through 200mm slab	No.	1		
37	300mm Diameter opening through 250mm slab	No.	1		

Item	Description	Unit	Quantity	Rate	Amount
	<u>BILL No.4</u>				
	<u>MASONRY</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>BRICKWORK</u>				
	Sizes in descriptions				
	Where sizes in descriptions are given in brick units "one brick" shall represent the length and "half brick" the width of a brick				
	Face bricks:				
	Bricks shall be ordered timeously to obtain uniformity in size and colour				
	Pointing				
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed,hollow recessed,weathered pointing,etc.				
	FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFP bricks in class II mortar:				
1	Piers	m ³	1		
2	One brick walls	m ²	1		
3	Half brick linings to concrete	m ²	1		
4	One brick lining to concrete	m ²	1		
	SUPERSTRUCTURE				
	Brickwork of NFP bricks in class II mortar:				
5	Piers	m ³	1		
6	Attached piers	m ³	1		
7	Half brick walls	m ²	1		
8	Half brick linings to concrete	m ²	1		
9	One brick walls	m ²	1		
10	One and a half brick walls	m ²	1		

	Corobrik® (Midrand - Gauteng Province) 20-30MPa Silvergrey Travertine or similar approved Imperial FBX clay face brick, size 222 x 106 x 73mm, manufactured in accordance with SANS 227:2007, bedded and jointed in Class I mortar and pointed with flush vertical, flush horizontal joints, with every 6th horizontal joint to be recessed.				
11	Piers				
12	One brick walls				
	BRICKWORK SUNDRIES				
13	Cutting toothings and bonding new brickwork to existing	m ²	1		
	Joint forming material in movement joints (Provisional)				
14	10mm Fibre board built in vertically between brick skins	m ²	1		
15	10mm Fibre board built in vertically between brick walls	m ²	1		
16	20mm Bitumen impregnated fibre board built in vertically between brick skins	m ²	1		
17	20mm Bitumen impregnated fibre board built in vertically between brick walls	m ²	1		
	Steel bar reinforcement				
18	75mm Wide reinforcement built in horizontally	m	1		
19	75mm wide reinforcement built in horizontally in foundations(Provisional)	m	1		
20	150mm Wide reinforcement built in horizontally	m	1		
21	150mm Wide reinforcement built in horizontally in foundations (Provisional)	m	1		
22	230mm Wide reinforcement built in horizontally	m	1		
	Prestressed fabricated lintels				
23	100 x 70mm Lintels in lengths not exceeding 3m long	m	1		
24	150 x 70mm Lintels in lengths not exceeding 3m	m	1		

	Turning pieces				
25	220mm Wide turning piece to lintels,etc	m	1		
26	440mm Wide turning piece to lintels,etc	m	1		
	Galvanized hoop iron cramps,ties,etc				
27	30 x 1,6mm Roof tie 1100mm long with one end fixed to timber and other end built into brickwork	No.	1		
	Air bricks etc				
28	229 x 152mm Clay vermin proof air brick (Provisional)	No.	1		
	FACE BRICKWORK				
	MIDDELWIT "Fynbos geel" or other equal approved clay facing bricks pointed with recessed horizontal and vertical joints				
29	Extra over brickwork for face brickwork	m ²	1		
30	Extra over brickwork for face brickwork in foundations (Provisional)	m ²	1		
31	Extra over brickwork for face brickwork to piers in foundation (Provisional)	m ²	1		
	MIDDELWIT "Tambotie" or other equal approved clay facing bricks pointed with recessed horizontal and vertical joints				
32	edge header course band protruding 50mm	m	1		
33	Extra over brickwork for brick-on-edge header course band 50mm protruding and circular on elevation	m	1		
34	Extra over brickwork for brick-on-end soldier course band	m	1		
35	Extra over brickwork for brick-on-end soldier course band circular on elevation	m	1		
36	Extra over brickwork for single bullnose brick-on-edge header course lintel protruding 50mm pointed on face and 160mm soffit	m	1		
37	Extra over brickwork for brick-on-edge header course lintel 560mm wide pointed on all exposed faces	m	1		

	Brick-on-edge header course copings,sills,etc of MIDDELWIT "Tambotie" or other approved face bricks pointed with recessed joints on all exposed faces				
38	220mm Wide single bullnose sill set sloping and slightly projecting	m	1		
39	Coping on top of one brick wall	m	1		
40	560mm Coping on top of one and a half brick wall	m	1		
41	440mm Coping on top of one and a half brick wall circular on elevation	m	1		
Carried to final summary					
Item	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>BILL No.5</u>				
	<u>WATERPROOFING</u>				
	<u>WATERPROOFING TO ROOFS,BASEMENTS,ETC</u>				
	4mm "Derbigum SP" waterproofing				
1	On flat roofs	m ²	1		
2	On screeded brick copings	m ²	1		
	Damproofing of walls and floors				
	One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course				
3	In walls	m ²	1		
	One layer of 250 micron "Consol Plastics Gunplas Black" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"				
4	On earth filling under raft foundation slabs and vertical faces of raft foundation beams	m ²	1		

	On flat concrete roofs slab with parapet walls				
4	Surface preparation, Supply and lay 4mm torch on waterproofing system saturated with Bitumen Silver UV protective agent (approved by the Professional Waterproofing Association) applied by means of the torch on fusion/gas weld application method, with 75mm overlaps, 100mm endlaps and 200mm upturns onto parapet walls. laid in strict accordance with Manufacturer's instructions	m ²	1		
5	Polyethylene vapour barrier and 150mm thick insulation To top surface beds	m ²	1		
6	JOINT SEALANTS,ETC "Compriband" bitumen impregnated foam plastic joint sealing strips 10 x 20mm In expansion joints (Provisional)	m	1		
7	Two part grey polysulphide sealing compound including backing cord,bond breaker,primer,etc 5 x 10mm In expansion joints in floors	m	1		
Carried to final summary					
Item	Description	Unit	Quantity	Rate	Amount
	<u>BILL No.6</u>				
	<u>ROOF COVERINGS ETC</u>				
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
	Roof sheeting to be Concealed Fix interlocking "KLIP-LOK 700", 0,58mm thick heavy industrial Z275 spelter galvanised steel sheeting with Chromadek, ColorPlus, Colourbond or Globalcoat finish to one side and Grey other side and accessories, fixed to steel purlins using SL 700 approved clips and fasteners. Cover width 700mm. High wind - 120km/h plus - loading to be considered with installation and fixing must be in accordance with manufacturer's recommendations and specifications.				
1	Roof covering with pitch not exceeding 35 degrees	m ²	1		
7	Ridge capping 550mm girth	m	1		

8	Side wall flashings 408mm girth	m	1		
9	Head wall flashing 375mm girth	m	1		
10	Apex flashing 550mm girth	m	1		
11	Corner trim 616mm girth	m	1		
12	Sill flash 185mm girth	m	1		
13	Door jamb 308 girth	m	1		
14	Window jamb 308mm girth	m	1		
15	Drip flashing 231mm girth	m	1		
16	Counter flashing 185mm girth	m	1		
17	Barge flashing 550mm girth	m	1		
	Roof sheeting to be Concealed Fix interlocking Brownbuilt, 0,58mm thick heavy industrial Z275 spelter galvanised steel sheeting with Chromadek, ColorPlus, Colourbond or Globalcoat finish to one side and Grey other side and accessories, fixed to steel purlins using				
18	Roof covering with pitch not exceeding 25 degrees for steel shelters	m ²	1		
	0,80mm thick, 700mm cover SAFLOK 700 Aluminium mill finished, interlocking roof covering fixed to galvanised steel purlins with approved clips and fasteners.High wind -				
19	Roof covering with pitch not exceeding 25 degrees to station concourse	m ²	1		
	Roof sheeting to be Concealed Fix interlocking "KLIP-TITE", 0,58mm thick heavy industrial Z275 spelter galvanised steel sheeting with Chromadek, ColorPlus, Colourbond or Globalcoat finish to one side and Grey other side and accessories, fixed to steel purlins using approved clips and fasteners. Installation and fixing must be in accordance with manufacturer's recommendations and specifications.				
20	Roof covering with pitch not exceeding 35 degrees to station concourse	m ²	1		
	SHEET METAL FLASHINGS,LININGS,COPINGS,ETC				
	0.8mm Galvanized sheet iron				
21	Flashings	m ²	1		

22	ROOF AND WALL INSULATION				
	"Alucushion" or other approved bubble foil thermal insulation				
	4mm Double sided insulation in 1250mm widths with longitudinal flap joints laid taut over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering including galvanized steel staining wires	m ²	1		
			Carried to final summary		
Item	Description	Unit	Quantity	Rate	Amount
	<u>BILL No.7</u>				
	<u>CARPENTRY AND JOINERY</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Particle board:				
	Particle board shall comply with the following specifications:				
	a) SABS 1300 Particle Board:exterior and flooring type				
	b)SABS 1301 Particle board:interior type				
	Description of hardwood joinery shall be deemed to include palleting of bolt holes				
	Joinery:				
	Descriptions of frames shall be deemed to include frames,transomes,mullions,rails,etc.				
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes				
	Fixing:				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete				
	Items described as "plugged" shall be deemed to include screwing to fibre,plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere				

	Decorative laminate finish: Decorative laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish ROOFS ETC Plate nailed timber roof truss construction The following is applicable in respect of roof trusses: Trusses are at maximum 1000mm centres and with a pitch of 17,5 degrees The roofs generally have 600mm overhang on both sides (along lengths), eaves cladded with 4mm Fibre Cement ceilings The roofs generally have vertical cladded gable ends projecting 150mm at ends of the buildings The roofs generally are finished with bullnosed sheeting along all lengths of the buildings The first set of dimensions given with the descriptions are the external dimensions of the buildings , the second set of dimensions (in brackets) are the external dimensions of the roofs which include the dimensions of the overhangs along lengths and at ends. All trusses are to be fabricated in a factory by Specialists approved by the Architect. Ceilings are 6.4mm Gypsum and 4mm fibre cement sheeting on 38 x 38mm brandering All trusses shall be designed by a Registered Professional Engineer (in accordance with the draft SABS Code of practice for the Design of Timber Structures)				
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	Sawn Softwood				
	Roof construction to double pitched roof with two gable ends over rectangular shaped building erected in position complete as per drawings including all trusses, jack rafters, permanent bracing, gang nail plates (wall plates and purlins measured elsewhere)				
1	Building size 20000mm ² gable roof to change room	m ²	1		
2	Building size 40000mm ² gable roof to change room	m ²	1		
3	Building size 80000mm ² gable roof to change room	m ²	1		
4	Building size 100000mm ² gable roof to change room	m ²	1		
	Roof construction to Hip roof over rectangular shaped building erected in position complete as per drawings including all trusses, jack rafters, permanent bracing, gang nail plates (wall plates and purlins measured elsewhere)				
5	Building size 20000mm ² gable roof to change room	m ²	1		
6	Building size 40000mm ² gable roof to change room	m ²	1		
7	Building size 80000mm ² gable roof to change room	m ²	1		
8	Building size 100000mm ² gable roof to change room	m ²	1		
	Wrought softwood				
9	50 x 75mm Purlins at 900mm centres to side of trusses for vertical cladding	m	1		
10	38 x 114mm Wall plates	m	1		
11	38 x 100mm Grade M4 ridge beams	m	1		
12	50 x 75mm Purlins	m	1		
13	Three 38 x 228mm planks laid and joined side by side to form gangboarding(Provisional)	m	1		
	Sundries				
14	Two coats creosote on sawn timbers	m ²	1		

	EAVES,VERGES,ETC				
	Pressed fibre - cement				
15	Vertical cladding of 9mm thick sheets including 50 x 50mm bandering at 500mm centres	m ²	1		
16	Eaves soffit covering 550mm wide of 4mm thick sheets including 38 x x38mm sawn softwood bandering along edges,along centre and at 540mm centres across sheets	m			
17	10 x 225mm Facias including galvanized steel H-profile jointing strips	m			
18	10 x 230mm Barge boards including galvanized stell H-profile jointing strips	m			
19	6 x 500mm Pegboard infill panels including galvanized steel H-profile jointing strips	m			
	SKIRTING				
	Wrought meranti				
20	19x76mm high skirting, including 19mm quadrant bead nailed.	m	1		
21	100x2mm high anodised aluminium skirting, glued or siliconed to walls.	m	1		
22	20 x 120mm solid meranti skirting, profile to detail image. Varnished with Plascon Woodcare Interior Coloured Varnish or Dulux Woodgard Interior Double Life 'Timbavarnish' polyurethane varnish. Eggshell finish. 20 x 120mm solid meranti skirting	m	1		
23	Existing timber skirtings to be sanded down & varnished with Clear Plascon Woodcare Ultra Varnish or Dulux Woodgard Interior Double Life 'Timbavarnish' polyurethane varnish as per heritage requirements. New skirting profiles to be installed where necessary, to match existing. Eggshell finish. Timber Skirting painting	m ²	1		

	Existing timber skirtings to be sanded down & varnished with Clear Plascon Woodcare Ultra Varnish or Dulux Woodgard Interior Double Life 'Timbavarnish' polyurethane varnish. New skirting profiles to be installed where necessary, to match existing. Eggshell				
24	Timber skirting painting	m ²	1		
	Existing painted timber skirtings to be sanded down & painted with Plascon Professional Eggshell Enamel or Dulux Eggshell Enamyl alkyd paint. New skirtings to match existing to be installed where necessary.				
25	Timber skirting painting	m ²	1		
	DOORS,ETC				
	Wrought meranti doors hung to steel door frames				
26	44mm Framed door 813 x 2032mm high of 125mm top rail,middle rail and stiles and 160mm bottom rail in two panes rebated all round	No.	1		
	44mm thick exterior grade flush solid core timber single door with 3mm thick commercial ply on both sides with consolidated edges fitted and complying with SABS 545 in pressed steel frame. All painted in accordance with architect's colour schedules				
27	813 x 2032 x 44mm single leaf solid core with commercial veneer for paint. pricing shall include painting as per manufactures specification	No.	1		
28	1630 x 2032 x 44mm double leaf solid core with commercial veneer for paint. pricing shall include painting as per manufactures specification	No.	1		
	<u>Wrought meranti doors hung to steel/aluminum frames</u>				
	44mm thick interior grade flush solid core timber single door with 3mm thick commercial ply on both sides with consolidated edges fitted and complying with SABS 545 in pressed steel frame. All painted in accordance with architect's colour schedules				
29	813 x 2032 x 44mm single leaf solid core with commercial veneer for paint. pricing shall include painting as per manufactures specification	No.	1		

	ANTI-BANDIT DOORS				
	G2 bullet resistant Anti-bandit door, complete with 100 x 50 x 3mm gauge mild steel rectangular frame and 25 x 25 x 3mm MS angle rebates, overall size 930 x 2100mm high in paint finish with 250 X 500mm high BRG viewing panel glazed in 38mm thick bullet resistant glass with one-way vision film, supplied with a 6 pin tumbler key system, mortice dead lock with an additional heavy duty magnetic lock and striker including key switch and surface mounted casing, 6 Amp power supply, push buttons and interlock system, heavy duty aluminum continuous hinge, aluminum slam bar with heavy duty door closer and D-style pull handles. Door to comply to SABS 1658-1996				
30	Level G2 bullet resistant anti-bandit internal doors	No.	1		
	G3 bullet resistant Anti-bandit door, complete with 100 x 50 x 3mm gauge mild steel rectangular frame and 25 x 25 x 3mm MS angle rebates, overall size 950 x 2105mm high in paint finish with 250 X 500mm high BRG viewing panel glazed in 38mm thick bullet resistant glass with one-way vision film, supplied with 6 pin tumbler key system, CISA mortice dead lock with an additional heavy duty magnetic lock and striker including key switch and surface mounted casing, 6 Amp power supply, push buttons and interlock system, heavy duty aluminum continuous hinge, aluminum slam bar with heavy duty door closer and D-style pull handles. Door to comply to SABS 1658-1996				
31	Level G3 bullet resistant anti-bandit external door	No.	1		
	<u>General</u>				

	<u>The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, gluing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork and paint or varnish finishes</u> <u>Kitchen cupboards.</u> Cupboard Structure: white melamine carcass base and shelves with Masonite backing and black painted chipboard kick plates and MS post support Cupboard doors: American walnut mela wood impact doors with post formed wrapped doors				
37	Kitchen sink floor cupboard 1800 x 600 x 900mm high with sides, bottom, back, 2 hinged doors with 2 shelves and 3 drawers completely working including handles, etc. top and sink measured elsewhere <u>Interior type particle board with Formica veneer</u>	No.	1		
38	900 x 32mm thick Rustenburg granite counter top with all exposed edges large bevel edged, fixed to supports using dabs of 100% black silicone adhesive along all supports with all joints filled with matching polyester resin glue. Granite surface to be sealed using an approved stone sealer, all in accordance with the manufacturer's recommendations.	m	1		
39	900 x 32mm thick Formica work top counter top with all exposed edges large bevel edged, fixed to supports using dabs of 100% black silicone adhesive along all supports with all joints filled with matching polyester resin glue. Granite surface to be sealed using an approved stone sealer, all in accordance with the manufacturer's recommendations.	m	1		

40	600 x 30mm thick Rustenburg polished granite work top with 5mm double bevelled edges and all exposed edges large bevel edged, fixed to supports using dabs of 100% black silicone adhesive along all supports with all joints filled with matching polyester resin glue. Granite surface to be sealed using an approved stone sealer, all in accordance with the manufacturer's recommendations.	m	1		
41	2mm thick edge strip 32mm wide	m	1		
42	Cut 32mm work top to fit double bowl sink, measured else where	No.	1		
43	Cut 32mm work top to fit 60mm diameter grommet, measured else where	No.	1		
	<u>EAVES, VERGES, ETC</u>				
	Everite Nutec or equal approved medium density plain ungrooved fascia boards, size 300 x 12mm thick, fixed to support battens between rafters screwed at 900mm centers to support battens with aluminum H-profile fascia joiner between boards and aluminum H-profile fascia corner joiners at board ends.				
44	12 x 300mm Fascia's including galvanized steel H-Profile jointing strips	m	1		
	Everite Nutec or equal approved moulded barge boards, size 330 x 250mm, fixed to trimmer purlin, with aluminum H-profile barge board joiners between boards and at roof apex.				
45	330 x 250mm Barge boards including galvanized steel H-profile jointing strips	m	1		
	Timber Skirting				
46	20 x 120mm solid meranti skirting, profile to detail image.	m	1		
	<u>60mm Grommet</u>				
47	60mm Hettich Grommet	No.	1		
				Carried to final summary	

	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
Item	<u>BILL NO. 8</u> <u>CEILINGS,PARTITIONS AND ACCESS FLOORING</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Descriptions:</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete Items described as "plugged" shall be deemed to include screwing to fibre,plastic or metal plugs at not exceeding 600mm centres,and where described as "bolted",these bolts have been given elsewhere Finishes to suspended ceilings manufacturing process and to be delivered on site 'pre-finished" as described.No applying of finishes Fixing of electrical light fittings,diffusers,panels,etc.to suspended ceilings Electrical light fittings,diffusers,panels,etc. generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accrdingly for their required (ceilings panels have not been deducted and pricing is to take cognizance thereof) CEILINGS ETC 6mm “Everite Nutec” fibre cement boards with H-type pressed steel jointing including painting with one coat of alkali resistance primer , one undercoat and two coat eggshell enamel paint Supply and install 6mm “Everite Nutec” fibre cement boards with H-type pressed steel jointing including painting with one coat of alkali resistance primer , one undercoat and two coat eggshell enamel paint				

1	Ceiling generally 600mm wide including 38 x 38mm sawn softwood brander at maximum 600mm centers nailed to and including 75 x 50mm sawn softwood bearers at 900mm centers suspended approximately 250mm below timber trusses with 75 x 38mm vertical bearers at 600mm centers nailed to tie beams of trusses	m ²	1		
2	Extra over ceiling for 800 x 800mm trap door of 38 50mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No.	1		
3	"Rhino" gypsum plasterboard cornice 75mm coved cornices fixed to ceiling	m	1		
4	Ceiling Tiles - Metal 600 x 600 x 0,5mm perforated lay-in powder coated metal tiles with acoustic backing laid on prepainted tees and adjustable hanger system.	m ²	1		
5	Ceiling Tiles - Acoustic 1200 x 600 x 15mm thick acoustic ceiling tiles laid on prepainted tees and adjustable hanger system.	m ²	1		
6	Ceiling Tiles - Vinyl coated 1200 x 600 x 12,5mm vinyl faced ceiling panels laid on tees and adjustable hanger system. Owa coustic	m ²	1		
6	Skimmed Ceiling - Internal Flush plaster gypsum or Magna Board ceiling fixed to concealed suspended tee system skimmed and prepared to receive 2 coats quality PVA paint	m ²	1		
7	Ceiling - External Flush plaster fiber cement or Magna board ceiling fixed to concealed suspended tee system prepared to receive 2 coats external prepared quality PVA paint	m ²	1		
8	Isoboard Isoboard or similar approved extruded polystyrene over-purlin ceiling boards	m ²	1		
	Bulkhead - internal				

9	Flush plastered gypsum or Magna Board bulkhead, painted PARTITION Lafarge Gypsum or similar approved fixed partition drywall partitioning system with an overall thickness of 89mm comprising internal framing formed of 64mm galvanised steel studs fixed at 600mm centres to galvanised steel track or female aluminium head section and galvanised steel floor tracks including where necessary any additional galvanised steel studding to form door openings, glazing and other apertures, angles, corners and termination ends. Internal steel framing to be dressed on both sides with 12mm thick tapered edge Lafarge or similar approved plasterboard in single lengths to suite height, butt jointed and secured to steel studding with 25mm drywall screws at 220mm centres, joints to be tapped and jointed with Lafarge or similar approved Jointing Compound and prepared for decoration. All exposed aluminum door frames, glazing frames, ceiling and wall channels, battens and skirting are to be formed of natural anodised aluminium sections. Installation to be in accordance with SABISA installation guidelines.	m ²	1		
10	Partitioning 3000mm high with bottom track plugged and top track fixed to ceiling including 75mm anodized aluminium skirting fixed to both sides of partitioning	m	1		
11	Extra over partitioning 3000mm high for vertical abutment	No	1		
12	Extra over partitioning 3000mm high for corner	No	1		
13	Extra over partitioning 3000mm high for T-intersection	No	1		
14	Extra over partitioning 3000mm high for fair end	No	1		
15	Extra over partition for door opening 813x2032mm high including natural anodised aluminium door frame with one pair of 100mm nylon washered aluminium hinges for timber door (elsewhere)	No	1		

	Toilet Partitions				
	Supply and install Pelican Systems T1 Toilet Partition System comprising of 16mm thick particle board panels, laminated both sides with Melawood or Formica (light grey in colour), edged all round with 22 x 22mm lipped channel and fixed into position by means of full height vertical aluminium receiving channels fixed to the abutting wall, floor or pilaster. Pilasters and end partitions to be stabilized by a continuous 25 x 25mm aluminium transom section over doors. Natural anodised Aluminium surrounds, receiving channels and transom sections.				
16	1800mm long x 900mm wide x 2006mm high toilet partition to include Aluminium hinge with Nylon brushes	No	1		
17	682mm wide x 1762mm high doors	No	1		
18	200 x 200mm Rubber buffers	No	1		
19	600 x 600mm perforated lay-in powder coated aluminium ceiling tiles with acoustic backing laid on pre-painted tees and adjustable hanger system.	m²	1		
	Doors				
20	Extra over single sided partitioning in roof voids for 1 hour rated 40mm semi-solid flush door 813 x 1020mm high with masonite veneer on both sides and hardwood edge strips to vertical edges hung to and including four sided steel door frame with one pair of 100mm steel hinges and additional studding,trimming,etc	No.	1		
	ACCESS FLOORING				
	"Donn Snap Lock" or other equal approved elevated floor system with USF 20F Formica covered floor panels				
21	500 x 500mm Modular and interchangeable steel panel access flooring including pedestals and panels finished with factory non-slip "2,5mm Marley Thruflex sheeting" (access flooring to finish 150mm above the concrete sub-floor)	m²	1		
22	Junctions against walls and columns	m	1		
			Carried to final summary		

	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>BILL NO.9</u>				
	<u>FLOOR COVERINGS,WALL LININGS,ETC</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Floor coverings and wall linings:				
	All vinyl coverings to be supplied ,laid and sealed complete on a cement screed (screed elsewhere) with an approved adhesive under guarantee by an approved firm of Specialists				
	FLOOR COVERINGS				
	Porcelain tiles				
1	600 x 600mm min R9 preferably R10 slip rated Full Bodied Porcelain tiles, mineralised with 3mm grouting lines from Union Tiles, Tilespace or JNB Ceramica . Natural finish	m ²	1		
	Floor Carpets				
2	500 x 500mm Loose lay "Metro" Belogotex Commercial carpet tiles with Nexbac from Nexus. Tessellated Installation	m ²	1		
	Walk-off Mats				
3	Matco Trio Scraper or equal approved Walk-off mat. Suitable for interior & exterior covered entrances.	m ²	1		
	Vinyl Tiles				
4	FLOORWORX "Floorflex" or equal approved 300 x 300 x 2,0mm thick semi-flexible vinyl floor tiles, conforming to SANS 581.	m ²	1		
	Pedestrian walk				
5	Ground and Shotblast stone Paver with 5mm grouting from Bosun.	m ²	1		
6	300 x 300 x 25mm Terrazzo tiles - Lava Stone - with 5mm grouting from Union Tiles or equal approved, sealed with manufacturer recommended sealant.	m ²	1		
	Terrazzo non-slip tiles				
7	300 x 300 x 25mm Terrazzo tiles - Lava Stone - with 5mm grouting from Union Tiles or equal approved, sealed with manufacturer recommended sealant.	m ²	1		

8	500 x 300 x 50mm Terrazzo tiles with bullnose and tread grooves from Union Tiles or equal approved, with manufacturer recommended sealant.	m ²	1		
9	300 x 300 x 30mm Terrazzo tiles with bullnose and tread grooves from Union Tiles or equal approved, with manufacturer recommended sealant.	m ²	1		
	WALL LININGS				
	1.25MM "Polyflor" or other equal approved fully flexible vinyl sheeting wall cladding with welded joints				
10	Walls	m ²	1		
11	On walls in horizontal bands not exceeding 500mm wide including capping strips to top and bottom edges	m	1		
	BUMPER RAILS,ETC.				
	"Marley Intrad" or other equal approved rigid PVC bumper rails				
12	Type TR 200 bumper rail with PVC injection	No.	1		
13	Extra over Type TR 200 bumper rail for type TRS	No.	1		
	<u>POLISH,SEALERS,ETC</u>				
14	Two coats polymer floor coating on vinyl tiles or	m ²	1		
				Carried to final summary	
	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>BILL NO. 10</u>				
	<u>IRONMONGERY</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Handles				
1	Stainless Steel Lever Handle on a Backplate - Single doors Grade 304 Stainless steel round D lever handle on a long backplate with a Euro profile cylinder opening. Fixing to door to be stainless steel male and female screws	No.	1		

2	Stainless Steel Round D bolt through Pull Handles. All double & single doors with pull handle required Grade 304 Stainless steel round D pull handle on a backplate. Note that a backplate and D handle with Euro profile to be applied where required. Sizes to be as required - 19x130mm,19x200mm,19x300mm	No.	1		
3	Stainless Steel Round D back to back Pull Handles. All double & single glass doors with pull handle required. Grade 304 Stainless steel	No.	1		
	Locks				
4	Stainless Steel cylinder lock Grade 304 Stainless steel Euro profile Mortice sash lock with reversible latch and deadbolt. Fore end to be stainless steel	No.	1		
5	Stainless Steel Narrow cylinder lock - glass doors. Grade 304 Stainless steel narrow style roller catch and deadbolt with 35mm back set, Euro profile Mortice. Fore end to be stainless steel	No.	1		
6	Stainless Steel Security Deadlock Grade 304 Stainless steel Security Deadlock with a Deadcase plate in the door frame with Master key	No.	1		
7	Stainless Steel cylinder lock 60mm Grade 304 Stainless steel Euro profile Double with 6 pin and	No.	1		
8	60mm Grade 304 Stainless steel Euro profile	No.	1		
9	Grade 304 Stainless steel adjustable Roller Catch	No.	1		
10	Grade 304 Stainless Steel door bolts as per required usage, fixed to surface with matching stainless steel screws. Flush door bolts to be	No.	1		
11	Grade 304Stainless Steel indicator bolt (code: fixed to surface with	No.	1		
12	Grade 304Stainless Steel disabled indicator bolt, fixed to surface with matching stainless steel				
	Push plates				
13	152x152mm Grade 304 Stainless Steel Push Plate with Euro cylinder profile to be applied where	No.	1		
14	Various size Grade 304 Stainless Steel Push Plates	No.	1		

	Door closers,floor springs,etc				
15	Grade 304 Stainless Steel door mounted door stop, plugged and screwed to wall with matching				
16	Grade 304 Stainless Steel floor mounted door stop, plugged and screwed to floor with matching				
17	Grade 304 Stainless Steel Rack and Cam Pinion door closer with sliding track arm. Non handed with a maximum 180 degree non hold opening as standard. Power adjustable by spring, latching and damping action. Must be suitable for exterior doors also. Product characteristics ratio - weight to door weight; 20kg, 40g, 60 kg, 80kg, 100kg to 120kg for lght to solid doors. For Anti Bandit doors heavy duty Door Closers to be used for weight up to 300kg	No.	1		
18	300 x 1,2mm Grade 304 Brushed Stainless Steel Kickplate, total width of door	No.	1		
19	200 Degree chrome door viewer	No.	1		
	Signage				
20	Slatz ablution indicator sign 150 x 220mm	No.	1		
21	Slatz Floor indicator Sign 500 x 150mm	No.	1		
22	Slatz Directional indicator sign 5000 x 150mm	No.	1		
23	decal signage 300 x300mm	No.	1		
24	Slatz Door number sign 80 x 230mm	No.	1		
25	Slatz Foyer Signage 1000 x 500mm	No.	1		
26	Stainless Steel Staff Infirmary / First-Aid Room Sign. Stainless steel engraved plate, size 150 x 150mm	No.	1		
27	Stainless Steel Staff Cleaning Store Sign. Stainless steel engraved plate, size 150 x 150mm	No.	1		
28	Stainless Steel Staff Electrical Duct Sign. Stainless steel engraved plate, size 150 x 150mm	No.	1		
	Signage at Campuses				
29	Pylon Campus Name,Text Illuminated with Concrete Base -300mm deep, 5000mm x 500mm, ACM Cladded steel structure with vinyl graphic overlay	No.	1		

30	Projecting Campus Name,3000mm x 750mm, ACM Cladded steel structure with vinyl graphic overlay	No.	1		
31	Fabricated Letters for Campus Name, 1000mm high Campus name, Fabricated aluminium letters, white faces with blue returns and internally illuminated with LED's	No.	1		
32	Wall Mounted Campus Name, 500mm x 2000mm, ACM Cladded steel structure with routed out graphics	No.	1		
33	Wall Mounted Campus Name, 500mm x 3500mm, ACM Cladded steel structure with routed out graphics	No.	1		
34	Double Sided Campus Name Sign,500mm x 2000mm,ACM Cladded steel structure with routed out graphics	No.	1		
35	Double Sided Suspended Campus name ,500mm x 2000mm,ACM Cladded steel structure with routed out graphics	No.	1		
36	Pole mounted Non-Illuminated Campus Name sign, 5500mm x 700mm, ACM Cladded steel structure with routed out graphics	No.	1		
37	Pole Mounted Non-Illuminated Campus Name sign, 3000mm x 400mm, ACM Cladded steel structure with routed out graphics	No.	1		
38	Wall Mounted Non-Illuminated Campus Name Sign, 3000mm x 700mm, ACM Cladded steel structure with routed out graphics	No.	1		
39	Non-IlluminatedCampus Name Sign, 500mm x 2000mm, ACM Cladded steel structure with routed out graphics	No.	1		
40	Non-Illuminated Campus Name Sign, 500mm x 3500mm, ACM Cladded steel structure with routed out graphics	No.	1		
41	Double Sided Non-Illuminated Campus Name Sign, 500mm x 2000mm, ACM Cladded steel structure with routed out graphics	No.	1		
42	Double Sided Platform Campus Name, 2100mm x 3000mm, ACM Cladded steel structure with routed out graphics	No.	1		

43	Wall Mounted Directional Sign, 500mm x 4500mm, ACM Cladded steel structure with routed out graphics	No.	1		
44	Double Sided Suspended Directional Sign, 500mm x 4500mm, ACM Cladded steel structure with routed out graphics	No.	1		
45	500mm High Wall Mounted Directional, 500mm x 1500mm, ACM Cladded steel structure with routed out graphics	No.	1		
46	1000mm High Wall Mounted Directional, 1000mm x 1500mm, ACM Cladded steel structure with routed out graphics	No.	1		
47	Double Sided Suspended Directional Sign, 500mm x 3000mm, ACM Cladded steel structure with routed out graphics	No.	1		
48	Wall Mounted Directional Sign, 500mm x 3000mm, ACM Cladded steel structure with routed out graphics	No.	1		
49	Double Sided Projecting Directional Sign, 500mm x 1500mm, ACM Cladded steel structure with routed out graphics	No.	1		
50	Double Sided Projecting Directional Sign, 1000mm x 1500mm, ACM Cladded steel structure with routed out graphics	No.	1		
51	Single Tier Wall Mounted Directional Sign, 350mm x 1500mm, ACM Cladded steel structure with routed out graphics	No.	1		
52	Double Tier Double Sided Suspended Directional Sign, 500mm x 1500mm, ACM Cladded steel	No.	1		
53	Double Tier Double Sided Suspended Directional Sign, 500mm x 1800mm, ACM Cladded steel structure with routed out graphics	No.	1		
54	Free-Standing Double Sided Directional Sign, 2600mm x 1500mm, ACM Cladded steel structure with routed out graphics	No.	1		
55	Internal Floor Mounted Directional Sign, 2400mm x 1500mm, ACM Cladded steel structure with routed out graphics	No.	1		

56	External Floor Mounted Directional Sign, 2400mm x 1500mm, ACM Cladded steel structure with routed out graphics	No.	1		
57	Pole Mounted Double Sided Directional Icon Sign, 750mm x 750mm, ACM Cladded steel structure with routed out graphics	No.	1		
58	Wall Mounted Information Sign, 500mm x 500mm, ACM Cladded steel structure with routed out graphics	No.	1		
59	Side Mounted Double Sided Informational Sign, 500mm x 500mm, ACM Cladded steel structure with routed out graphics	No.	1		
60	Wall Mounted Information Directional Icon Sign, 350mm x 700mm, ACM Cladded steel structure with routed out graphics	No.	1		
61	Side Mounted Double Sided Informational Directional Icon Sign, 350mm x 700mm, ACM Cladded steel structure with routed out graphics	No.	1		
62	Pole Mounted Double Sided Platform Number, 500mm x 500mm, ACM Cladded steel structure with routed out graphics	No.	1		
63	Flat Informational Door Sign, 250mm x 250mm, ACM Cladded steel structure with routed out graphics	No.	1		
66	Digitally printed Prohibition Signs, 800mm x 300mm ea.	No.	1		
67	Digitally printed Prohibition Signs, 300mm x 300mm ea	No.	1		
68	End of Platform Sign - New Pole Required, 300mm x 300mm, 800mm x 300mm	No.	1		
69	End of Platform Signs applied to existing pole, 300mm x 300mm 800mm x 300mm	No.	1		
	Sanitary fittings				
70	Satin stainless steel soap dispensers with a replaceable and refillable 1 litre container, cylinder lock , plugged and screwed to the wall with stainless steel screws.	No.	1		

71	Stainless steel jumbo toilet roll holders with refill indicator and cylinder lock, plugged and screwed to the wall with stainless steel screws.	No.	1		
72	Satin stainless steel toilet roll holders for 2 or 3 rolls with central shaft system and cylinder lock,	No.	1		
73	Satin stainless steel recessed toilet roll holders for single or two rolls, plugged and screwed to the wall with stainless steel screws.	No.	1		
74	Satin stainless steel waste disposal bins with capacity of plus minus 40 litres and with a frame inside the dispenser to hold a liner, plugged and screwed to the wall with stainless steel screws.	No.	1		
75	Satin stainless steel waste disposal bins with capacity of plus minus 20 litres and with a frame inside the dispenser to hold a liner, plugged and screwed to the wall with stainless steel screws.	No.	1		
76	Satin stainless steel sanitary towel disposal bins with capacity of min10 litres, free standing or wall mounted (plugged and screwed to the wall with)	No.	1		
77	Satin stainless steel full automatic industrial hand dryer with 2 vandal proof lock screws and key wrench, plugged and screwed to the wall with stainless	No.	1		
78	Satin stainless steel paper towel dispenser with min 600 folded paper towels and cylinder lock, plugged and screwed to the wall	No.	1		
79	Satin stainless steel robe hooks, plugged and screwed to the wall with	No.	1		
80	Satin stainless steel towel rings, plugged and screwed to the wall with stainless steel screws.	No.	1		
81	Baby Change facilities - Wall mounted and Recessed change stations. All new Super Core and	No.	1		
Carried to final summary					

<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>BILL NO.11</u> <u>STRUCTURAL STEELWORK</u> <u>SUPPLEMENTARY PREAMBLES</u> All surfaces of steelwork to be painted with one coat approved factory primer before leaving the workshop of the manufacture and all scratches, chips or blemishes to be make good on site after erection. All rates tendered must make provision for this as no claim will afterwards be entertained <u>Bolts,connection plates, etc:</u> Description of structural steel shall be deemed to include for all cut and welded flat section bearers and connection plates, all holes for including bolts, nuts, washers, etc Description of bolts shall deemed to include nuts abd washers Description of L -shaped anchor and bolts shall be deemed to include bending, threading, nuts and washers and mortice in brickwork or concrete Description of expansion anchors and bolts and chemical achors and bolts shall be deemed to include nuts, washers and mortices in steelwork <u>Workshop drawings</u> Drawings are to be submitted to the Project Manager for his approval prior to the commencing of any manufacturing <u>General notes:</u> All structural steel members must conform to grade 300wa (SABS 0612) Hereafter: " unless otherwise noted" is abbreviated to U.O.N. Angle iron 80 x 80 x 8 and flat bar with width of 50mm or less may be grade 43A U.O.N grade 4.8 electro galvani sed bolts to be used throughout				

	All bolts shall be snug tight. (the tightness that exists when the plies of the joint are in firm contact. This may be attained by a few impacts of an impact wrench or the full effort on a man using an ordinary spud wrench Corrosion protection shall consist: Remove all slag from welded joints to expose the steelwork. Brush steelwork with a rotary wire brush to S.I.S 3.5 standard. Apply one coat (30 micron) red lead primer in accordance with SABS 681. Apply one coat (30 micron minimum) multi-purpose undercoat in accordance with SABS 681. USE TYPE Areas where welded connections will be made shall not be painted until welding is complete. After the connection are welded these areas shall be field painted All welds must conform to SABS standards Welding rod shall be 48 MPA or better (E70XX). Butt weld shall be 100% penetration as determined by visual inspection. Fillet weld size shall not be greater than the thinnest connected material or 8mm Max U.O.N No modification to any structural steel to be carried out on site unless first confirmed by Project Manager A complete set of shop drawings to be submitted to the Project Manager for approval before fabrication commence BEAMS AND TRUSSES TO PLATFORM SHELTERS Welded roof trusses of cold formed lipped channel				
1	250 x 75 x 20 x 4.5 cold formed lipped channel	m	1		
2	150 x 75 x 20 x 3.5 cold formed lipped channel	m	1		
	BRACING				
3	20mm Nominal diameter, 18.31mm rod bracing diameter yield 68.0kn -137.0 kn treaded bolted and welded to existing roof structure	m	1		
4	10mm thick x 50mm cross bracing plate for in steel roof shelters	m	1		

	Plates and angles to trusses				
5	3mm plate for gutter, four times bend	t	1		
6	6mm connection plates for purlins	t	1		
7	50 x 50 x 4mm Angle iron	t	1		
8	90 x 65 x 6mm Angle iron	t	1		
9	Extra on 3mm gutter plate for 100 x 100mm outlet	t	1		
10	8mm base plate	t	1		
11	10mm connection plate	kg	1		
12	Angle section brackets	kg	1		
	Bolts to beams				
13	12mm M12 expansion bolts	No.	1		
				Carried to final summary	
Item	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>BILL NO. 12</u>				
	<u>METALWORK</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Primer				
	All surfaces of steel work to be painted with one coat approved factory primer before leaving the workshop of the Manufacturer and all scratches, chips or blemishes to be made good on site after erection. All rates tendered must make provision for this as no claim will afterwards be entertained				
	Bolts, connection plates, etc:				
	Description of structural steel shall be deemed to include for all cut and welded flat sections bearers and connection plates, all holes for and including bolts, nuts, washers, etc.				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Description of L-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and mortice in brickwork and concrete				

	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described				
	ALUMINIUM WINDOWS, DOORS, ETC.				
	White anodised / Bronze aluminium doors glazed as described and plugged to brickwork or concrete:				
1	Window type PT66 Aluminium window frame 600 x 600mm high	No.	1		
	SECURITY GATES				
	Supply and install Burglar door				
	40mm x 40mm x 3mm square tubing frame with four horizontal members, 20mm intermediate solid bars welded to frame work, 125mm x 30mm bullet hinges, 125 x 25 x 6mm fat bar Lugs with 8 x 10mm raw bolts and 150 x 200 x 6mm flat bar stop plate				
2	970 x 2100mm high Heavy duty single Burglar door and frame with 20mm steel solid round bar and 40 x 40 x 3mm square tubing	No.	1		
3	1680 x 2100mm high Heavy duty double Burglar door and frame with 20mm steel solid round bar and 40 x 40 x 3mm square tubing	No.	1		
	Supply and install Burglar windows				
	PRESSED STEEL DOOR FRAMES				
	1.2mm double rebated frames suitable for drywall				
15	Frame for door 813 x 2032mm high	No.	1		
	1.2mm double rebated frames suitable for one brick wall				
16	Frame for door 813 x 2032mm high	No.	1		
17	Frame for door 1000 x 2032mm high	No.	1		
18	Frame for double door 1500 x 2032mm high	No.	1		

	HEAVY DUTY STEEL ROLLER SHUTTERS				
	Roll-Up solid galvanised, SABS 1461, & epoxy coated M/S manually hand chain operated push-up roller shutter for maximum opening 3600 x 2500mm high with standard bottom rail, 75 x 0.8mm thick end-locked slats, 120mm extra-wide tamper proof guides, 4.5mm end plates, closed shaft and 2 x slide bolts, extruded with Aluminium Tbar & Astragal rubber weather seal. Including galv. cover box and powder coated components incl. door curtain, end plates, cover box, guides & T-bar. Door fixed to brick, concrete				
19	Manual hand chain Push-up Roller Shutters, for openings not exceeding 3600mm x 3000mm high.	No.	1		
20	Manual hand chain Push-up Roller Shutters, for openings not exceeding 1000mm x 1400mm high.	No.	1		
	GATES				
	Sliding Gates				
	Frame constructed with an under-beam 140 x 80 x 5 mm (6,5 to 12 m), 120 x 60 x 3 mm (3 to 6 m) and welded frame 60 x 60 x 2 mm. Bars 25 x 25 x 1,5 mm welded with a distance of 110 mm between the bars. Provided with a locking mechanism to lock the gate with padlocks. Integrated rollers in under-beams diameter 80 - 120 mm depending on height of gates. Use heavy duty Rail type/floor tracks 65 x 25 mm for gates wider than 6 meters. Security topping to be constructed for 2.4m high gates. Use heavy duty floor tracks bolted to concrete beam for gates 3m to 5m wide. Price to Include for manufacture, supply and delivery and Installation complete with concrete work and labour Gates to be made to manually open and close and must be made to incorporate and gate motor if needed.				

	Guiding of the gate Guiding posts bridge & end posts bridge of 80 x 80 x 3 mm with welded ground plates or encased into concrete footings. Two guiding bridges in the case of free entrance > 8 m. Rubber end Stoppers must also be installed. Colours Hot dip galvanising only. 3000mm W x 2400mm H x 4108mm Free passage x 8735mm needed space				
21	Sliding Gate: 2400mm high x 6000mm wide	No.	1		
22	Single Swing Gate: 2400mm high x 1000mm wide	No.	1		
	ACCESS CONTROL 4 ARM TURNSTILE EXTRA HEAVY DUTY FULL HEIGHT DOUBLE 4 ARM TURNSTILE Installation Requirements: Level, smooth, finished floor measuring 2 400mm x 1 300mm, with a minimum strength of 20MPa suitable to accept drill-in M12 x 100mm long Anchor bolts. Clearance for positioning of the turnstiles must be provided as they are despatched as fully welded and assembled units unless otherwise requested with your order. Power Supply and cable requirements: 220V AC 50Hz 5A 3 core power cable must be routed to each turnstile rotor head terminated with trip switch (15 Amps) to facilitate terminal connections located approximately on each turnstile rotors' centre line. Routing and size of power cable and control cables, must be taken into consideration prior to installation. EXTRA HEAVY DUTY FULL HEIGHT DOUBLE 4 ARM TURNSTILE Bi-directional, electrically operated. Model: H.D.HTG(D) Type: ELO, Manufactured from mild steel fitted with Infinite FS bottom rotor bearing, overhead lockable mechanical over-ride arrangement is a standard feature for turnstile rotor.				

23	2162W x 2350H x 1200mmD heavy duty stainless steel Double 4 arm turnstile	No.	1		
	CEILING EXPANDED METAL WORK				
	Mild steel sections				
24	60 x 60 x 6mm equal angles bolted to wall (bolts priced elsewhere)	m	1		
25	50.8 x 38.1 x 3mm rectangular hollow intermediate section welded to plates to be bolted on the wall (bolts and plates priced elsewhere)	m	1		
26	Expanded metal SWM x LWM (25 x 50 x 6mm) expanded metal welded on top of equal angles and intermediate rectangular	m ²	1		
27	300 x 200 x 6mm base plates	No.	1		
28	M20 Rawl anchor bolts 70mm long fully treaded to head	No.	1		
	<u>Stainless Steel Grade 304 Platform Public Seating</u>				
	Arms and Legs: Aluminium Die-Cat, chromed.				
	Cross beam: 2mm Aluminium extrusion, silver.				
	Seat and back: Stainless steel				
	Galvanised and polyurethane painted platform bench, set into concrete bed				
29	to-Back platform bench Peformed galvanised and polyurethane painted finish bench suitable for outdoors burried on earth less then 1mm deep	No	1		
	Shelving				
30	plywood or steel decking, size 1200mm (w) x 300mm or 400mm (d) (single) or 600mm (d) (double) x 1875mm (h), epoxy powder coated.	No	1		

31	STAINLESS STEEL STAIRS HANDRAILS				
	HANDRAILS				
	Stainless steel Stanchions				
	76mm diameter stainless steel top horizontal rail above with top of rail at 1000mm AFFL mounted on 76mm stainless steel vertical at 1800mm centers welded to 200 x 200 x 10mm stainless steel base plate to be flush with top of floor tile bolted to concrete surfaces and 76mm diameter round stainless steel central rail fixed between the post	m	1		
32	Extra over 76mm diameter rails for standard 90 degree bend	No.	1		
33	Stainless steel gratings manufactured to the ISO 9001:2008 Quality Management System				
	light duty 35mm bearer bar depth, 4.5mm thick, 30mm bearer bar pitch, 50mm transverse bar pitch, plain bearer bar type, banded panel pipe including fixing clips, saddle clamps, and locking plates	m	1		
34	STEEL FOOTBRIDGE STEEL PLATE GIRDER (SIDE PANEL)				
	228.6 x 20.6mm thick Top flange, 228.6 x 25.4mm thick bottom flange and 954 x 7.9mm thick web with vertical stiffeners				
	Steel plate girder welded on existing steel bridge	m	1		
			Carried to final summary		
Item	Description	Unit	Quantity	Rate	Amount
	<u>BILL NO.13</u>				
	<u>PLASTERING</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Preparatory work for textured finishes:				
	Textured finishes to be applied to plaster(plaster elsewhere)				
	All surfaces are to inspected and approved by the Representative/Agent before any work is commenced with				

	Prices for textured finishes: Prices are to include for all priming,preparatory work,etc. PVC acrylic waterbased and PVC resin bonded textured finish: All specialist plaster wall finishes are to be applied to the satisfaction of the Representative/Agent and executed by an approved firm of specialists,all strictly in accordance with the material supplied and methods employed by the Manufacturer SCREEDS Cement plaster screeds wood floated on concrete 1 25mm Thick on floors and landings
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	Untinted granolithic existing prepared concrete and grano floors				
10	30mm Thick horizontal faces finished with a steel trowel	m ²	1		
11	30mm Thick on treads and risers of stairs	m ²	1		
	INTERNAL PLASTER				
	Cement plaster on brickwork				
12	On walls	m ²	1		
13	Narrow widths	m ²	1		
	Specialist plaster floor and wall coverings				
14	All specialist plaster wall and floor coverings are to be executed in strict accordance with the manufacturer's instructions				
15	25mm Thick on concrete floors	m ²	1		
	EPOXY 318/20 or other equal approved epoxy floor and wall coating applied in strict accordance with the manufacturer's instructions				
16	On walls	m ²	1		
17	On narrow widths	m ²	1		
18	On ceilings	m ²	1		
19	On floors	m ²	1		
	On granolithic				
20	On steel floated floors	m ²	1		
21	On steel floated treads and risers	m ²	1		
	On wood floated concrete				
22	On floors	m ²	1		
	On rough concrete				
23	On floors	m ²	1		
	On plaster board				
24	On walls	m ²	1		

	On existing painted cement plastered surfaces				
25	On internal walls	m ²	1		
26	On floors	m ²	1		
27	On skirtings, rails,etc not exceeding 300mm girth	m	1		
	"Barrium plaster" applied in strict accordance with the manufacturer's specifications				
	12 mm Thick "Barrium" plaster				
28	On walls	m ²	1		
	Corner protectors,dividing strips,etc.				
29	100 x 100 x 1.3mm Thick stainless steel angle section corner protectors with bent lugs fixed to brickwork	m	1		
30	5 x 25mm Flat section brass dividing strips between different floor finishes	m	1		
			Carried to final summary		
Item	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>BILL NO 14</u>				
	<u>TILING</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Unglazed clay tiles				
	All tiles to be true and even in shape and free from cracks , chips,blemishes and other defects and to be factory sealed with an approved sealer. All tiles to be dipped in water for 24 hours immediately before fixing and are to be bedded in and including cement mortar,unless otherwise described,to true and even surfaces and grouted with 8 mm wide continuous joints in both directions, all strictly in accordance with the manufacturer's instructions				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted", bolts priced elsewhere				

	Mosaic tiles:				
	Floor tiling				
	Mosaic tiles to be the best quality standard approved coloured glass mosaic tiles equala to samples to be submitted to and approved by the Representative/Agent before the signing of the Contract,solidly bedded and jointed to true and even surfaces in cement mortar on a cement screed (screed elsewhere)				
	Prices are to include for all square cutting and waste,cleaning off on completion and protection from injury.Areas are measured net ot face of bare brickwork and concrete. Any additional area caused by the thickness of tiling and screed are to be allowed for in prices				
1	Full Bodied Porcelain tiles, mineralised with 3mm grouting lines from Union Tiles, Tilespace or JNB	m ²	1		
2	Commercial carpet tiles with Nexbac from Nexus. Tessellated Installation	m ²	1		
3	mat. Suitable for interior & exterior covered entrances.	m ²	1		
4	FLOORWORX "Floorflex" or equal approved 300 x 300 x 2,0mm thick semi-flexible vinyl floor tiles,	m ²	1		
5	300 x 300 x 25mm Terrazzo tiles - Lava Stone - with 5mm grouting from Union Tiles or equal	m ²	1		
6	500 x 300 x 50mm Terrazzo tiles with bullnose and tread grooves from Union Tiles or equal approved, with manufacturer recommended sealant.	m ²	1		
7	and tread grooves from Union Tiles or equal approved, with manufacturer recommended	m ²	1		
	Wall tiling				
	approved adhesive to plaster(plaster elsewhere)				
8	Walls	m ²	1		
9	Walls in isolated panels	m ²	1		
10	On narrow widths	m ²	1		
11	On walls to serve as 150mm wide skirting	m	1		
Carried to final summary					

Item	Description	Unit	Quantity	Rate	Amount
	<u>BILL NO 15</u>				
	<u>GLAZING</u>				
	<u>GLAZING TO STEEL WITH PUTTY</u>				
	4mm Clear float glass				
1	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m ²	1		
2	Panes exceeding 0,5m ² and not exceeding 2m ²	m ²	1		
	4mm Patterened glass				
3	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m ²	1		
	Glazing to steel with screwed on steel beads(beads elsewhere)				
	4mm Clear float glass				
4	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m ²	1		
	Glazing to aluminium with clip on beads (beads elsewhere)				
	6.5mm High penetration resistance clear laminated safety glass				
5	Panes exceeding 0,5m ² and not exceeding 2m ²	m ²	1		
	Bullet Resistant Pay / Transaction Windows including sales windows				
6	38mm x 1000mm long x 1400mm Level G3 bullet resistant glazed & natural anodized aluminum transaction window with 255 x 285 x 30mm deep stainless steel dish cash transfer tray cut out 230 x 260mm and speech transfer posts (interior applications only), overall size to details, glazed in 38mm thick clear glass with 32mm post formed granite counter top.	No.	1		
	Glazing to wood with pinned on beads (Beads elsewhere)				
	4mm Clear float glass				
7	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m ²	1		
8	Panes exceeding 0,5m ² and not exceeding 2m ²	m ²	1		

	6.4mm Clear toughened safety glass				
9	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m ²	1		
10	Panes exceeding 0,5m ² and not exceeding 2m ²	m ²	1		
	6mm 1.5 Lead equivalent glazing				
11	350 x 350mm Panes	No.	1		
	Tops,shelves,doors,mirriors,etc.				
	6mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete				
12	Mirror 450 x 600mm high with four screws	No.	1		
13	Mirrore 450 x 900 high with four screws	No.	1		
			Carried to final summary		
	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>BILL NO.16</u>				
	<u>PAINTWORK</u>				
	<u>SUPPLEMENTARY PRAMBLES</u>				
	For preambles see "Model Preambles for Trades" 2008 edition published by the Association of South African Quantity Surveyors				
	SUPPLEMENTARY PREAMBLES				
	Previously painted plastered surfaces				
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth				
	Previously painted metal surfaces				
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal				

	Previously painted wood surfaces				
	Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with a suitable filler and finished smooth				
	PAINTWORK, ETC TO NEW WORK				
	ON FLOATED PLASTER				
	One coat professional plaster primer and two coats of white Professional Superior Low Sheen				
1	On ceiling and cornices	m ²	1		
	ON WOOD				
	One coat wood primer, one Universal Undercoat and two coats Prasa Oakley Brown enamel paint				
2	On doors	m ²	1		
	ON METAL				
	One coat zinc chromate primer, one under coat and two coats professional white gloss enamel paint				
3	On buglers, gates, door frames, window frames, rainwater goods etc	m ²	1		
	One coat primer, one under coat and two coats PRASA Neutral				
4	On Dry wall	m ²	1		
	Remove any loose and flaking residue by means of wire brushing, wash with 'Polycell Sugar Soap' or weak spirits of salts, open up cracks and make good with Polyfilla Exterior' filler sanded smooth, apply one coat Alkali Resistant Primer' or other approved and two coats ' PRASA Neutral Wall guard':				
5	On internal walls	m ²	1		
	One coat professional plaster primer and two coats contractors Brick and Slasto Dressing/Brick seal				
6	On internal and external face brick walls	m ²	1		
	PAINTWORK ETC TO PREVIOUSLY PAINTED WORK				

	ON METAL				
	Wash with polycell sugar soap and rinse with clean water to remove all traces of soap, remove all loose flaking paint and repair any cracks and defects, spot prime bare and repaired areas with bonding liquid and apply One coat of				
7	On footbridge and all steel work	m ²	1		
	Remove any loose and flaking residue by means of wire brushing, wash with 'Polycell Sugar Soap' or weak spirits of salts, open up cracks and make good with Polyfilla Exterior' filler sanded smooth, apply one coat Alkali Resistant Primer' or other approved and two coats ' PRASA Neutral Wall guard':				
8	On internal walls	m ²	1		
	Wash with polycell sugar soap and rinse with clean water to remove all traces of soap, remove all loose flaking paint and repair any cracks and defects, spot prime bare and repaired areas with bonding liquid and apply one coat sealer and two coats of white Professional Superior Low Sheen				
9	On ceiling	m ²	1		
	PLATFORM MARKING				
	Prepare and paint yellow road marking paint on tared platform surfaces				
10	100mm wide yellow line	m	1		
	SKIRTING				
	Porcelain Tile Skirting 300 mm high natural porcelain tile, bedded to wall with cement adhesive, complete with 'M=trim' or 'Genesis' 12 mm silver anodised aluminium straight edge trim to suit tile thickness with grey grout. From Union Tiles,				
11	On wall	m ²	1		
	FACEBRICK wash with polycell sugar soap and rinse with clean water to remove all traces of soap, remove all loose flaking paint and repair any cracks and defects, spot prime bare and repaired areas with bonding liquid and apply one coat sealer and				
12	On wall	m ²	1		
Carried to final summary					

Item	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>BILL NO 17</u>				
	<u>PROVISIONAL SUM</u>				
1	Percentage mark-up for materials not listed in the BoQ	R 100,000.00	%		
2	Percentage markup for the hire or use of his own specialized equipment (Proof of cost per/hr must be submitted with invoices)	R 100,000.00	%		
			Carried to final summary		
	GENERAL BUILDING FINAL SUMMARY				
	Description	BILL			Amount
1	Health and Safety	1			R
1	Alterations	1			R
2	Earthworks	2			R
3	Concrete works	3			R
4	Masonry	4			R
5	Waterproofing	5			R
6	Roof Covering	6			R
7	Carpentry and Joinery	7			R
8	Ceiling, Partition and Access Flooring	8			R
9	Roof covering, Wall Linings, ETC	9			R
10	Ironmongery	10			R
11	Structural Steel	11			R
12	Metal work	12			R
13	Plastering	13			R
14	Tiling	14			R
15	Glazing	15			R
16	Paint work	16			R
17	Provisional Sum	17			R
				SUB TOTAL	R
				ADD VAT @ 15%	R
				TOTAL AMOUNT	R