

AS AND WHEN GENERAL BUILDING MAINTENANCE FOR CAMPUS BUILDINGS(UMJANTSHI HOUSE, SHOHOLOZA MEYL JUNCTION AND GAUTENG NERVE CENTRE)



SCHEDULE OF QUANTITIES

GENERAL BUILDING WORKS

Item No	Description	Unit	Quantity	Rate Year 1	Amount year 1	Rate Year 2	Amount year 2	Rate Year 3	Amount year 3
	<p>SECTION No. 1</p> <p>BILL NO. 1</p> <p>Occupational Health and safety</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations, issued under The Occupational Health & Safety Act no 85 of 1993.</p> <p>Safety file shall be provided by the contractor prior to commencement of work.</p> <p>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.</p> <p>Note: All designated items should comply with local content threshold.</p>								

1	Compliance with Occupational Health and Safety Act (Act 85 of 1993) and its regulations and with the Employers Health and Safety	Sum	1	R 6,000.00	R 6,000.00	NIL	NIL	NIL	NIL
		Carried to final Summary			R		R		R

Item No.	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate Year 1</u>	<u>Amount year 1</u>	<u>Rate Year 2</u>	<u>Amount year 2</u>	<u>Rate Year 3</u>	<u>Amount year 3</u>
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>General</u></p> <p>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</p> <p>The contractor shall take all precautions necessary to prevent any nuisance from dust whilst carrying out the work</p>								

Leave in good condition

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

REMOVAL OF EXISTING WORK

Breaking up and removing mass concrete

1	100mm Thick surface bed	m ²	1
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Breaking down and removing brickwork etc

2	Precast concrete prefabricated walls 2.4m high	m	1
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	One brick wall	m ²	1
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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
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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 from steel frames, take out ironmongery from doors and set aside for re-use and later installation							
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 1500m 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						
	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	No.	1						
21	Plastic toilet seat	No.	1						
Taking out and removing sundry metal work, etc									
22	Steel security gate,frame and grid 2500 x 2200mm highfrom 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						
25	Metal curtain pelmet	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						
30	Ceramic skirting tile complete	m	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								
32	Internal plaster from walls,columns and beams								
33	Internal granolithic skirting from walls								
	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						
36	Glass from timber fanlights 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						
	Servicing, repairing,re-fixing, cleaning,etc of existing work								

Clean down existing roof sheeting,box gutters flashings,etc,apply de-rusting compound to surfaces,prepare area for paint application and allow for re-fixing,replacingand waterproofing of necessary roof screws,fixing screws,etc

50 IBR roof sheeting in fair condition not exceeding 30 degree slope m² 1

51 Sheet steel box gutters in fair condition m² 1

52 Sheet steel flashings and cover flashings in fair condition m² 1

Re-fixing and aligning of fascia and barge boards

53 Fibre cement fascia and barge boards not exceeding 300mm girth m 1

54 Sheet metal fascia and barge boards not exceeding 300mm girth m 1

Clean down existing face brick façade,painted walls,plinths,wall tiles,floor tiles,etc with water and brush application

55 External face brick walls m² 1

56 Internal ceramic wall tiles m² 1

	Servicing existing window ironmongery by cleaning, replacing, re-fixing or all necessary bolts,catches,handles,etc(Allowance to be made for replacing of handles 10%)								
57	Standard residential steel window type C4H	No.	1						
58	Standard residential steel window type D4H	No.	1						
59	Standard residential steel window type D52H	No.	1						
60	Standard residential steel window type ND4F	No.	1						
61	Standard residential steel window type SS43	No.	1						
62	Non-standard residential steel window 1500 x 1200mm high with two top hung opening sashes	No.	1						
63	Non-standard residential steel window 1800 x 1500mm high with two top hung opening sashes	No.	1						
64	Non-standard residential steel window 900 x 1000mm high with one top hung opening sash	No.	1						
65	Servicing existing steel and glass panel doors by replacing steel kick plates ,glazing,etc								
66	Standard steel door type NDDA 1524 X 2134mm high	No.	1						
	Servicing existing steel Roll-up shutter doors including operating mechanisms,etc								

67	Roll-up door size 2.2 x 2.4m high	No.	1						
68	Roll-up door size 3.8 x 2.4m high	No.	1						
	Servicing existing timber fanlights and replace the opening and closing cord								
69	Standard timber fanlight size 813 x 305mm high	No.	1						
70	Standard timber fanlight size 1336 x 305 high	No.	1						
	Clean down existing door and window ironmongery including handles,escutcheon,roses,catches,stays,etc								
71	Ironmongery to single doors	No.	1						
72	Ironmongery to double doors	No.	1						
73	Ironmongery to steel window opening sections	No.	1						
	Clean down existing window panes								
74	Glazing to steel windows measured both sides	m ²	1						
75	Clean out and service gutters,down pipes etc	m	1						

		Carried to final Summary			R		R		R
<u>BILL NO.2</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate Year 1</u>	<u>Amount year 1</u>	<u>Rate Year 2</u>	<u>Amount year 2</u>	<u>Rate Year 3</u>	<u>Amount year 3</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 trench and hole excavations not exceeding 1.5 m deep	m ²	1						

	Keeping excavation free of water								
9	Keeping excavation free of water								
	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								
13	To paving surfaces, parking bays and tared surfaces	litres	1						

		Carried to final Summary		R		R		R	
Item	Description	Unit	Quantity	Rate Year 1	Amount year 1	Rate Year 2	Amount year 2	Rate Year 3	Amount year 3
	<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 test to the Architects. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect.(Test tubes are measured separately)								
	Formwork								
	Descriptions of formwork shall be deemed to 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 necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.								

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until newly constructed work is able to support itself.

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 cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavation, provision for which is made in "Earthworks".

UNREINFORCED CONCRETE

15 Mpa/20 mm concrete

1	50mm Thick surface cover screed	m ²	1					
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2	Surface bed	m ³	1					
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UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

15 Mpa/20 mm concrete

3	Casing	m ³	1					
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20 Mpa/20 mm concrete

4	Strip footings	m ³	1					
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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						
	MOVEMENT JOINTS ETC(PROVISIONAL)								
	Two layers 0,6mm galvanized sheeting sanwiched between three layers of 375 micron DPC between horizontal concrete and brick surfaces								
38	Not exceeding 300mm wide	m	1						

	Expansion joints with bitumen impregnated softboard between vertical concrete surfaces								
39	10mm Joints exceeding 300mm High	m ²	1						
40	10mm Joints not exceeding 300mm High	m ²	1						
	Saw cut joints								
41	20 x 45mm Saw cut joints in top of concrete(Provisional)	m	1						
	REINFORCEMENT								
	Mild steel reinforcement to structural concrete work:								
42	10mm Diameter bars	t	1						
43	8mm Diameter bars	t	1						
	High tensile steel reinforcement to structural concrete work:								
44	25mm Diameter bars	t	1						
45	20mm Diameter bars	t	1						

46	16mm Diameter bars	t	1						
47	12mm Diameter bars	t	1						
48	10mm Diameter bars	t	1						
		Carried to final Summary			R		R		R
Item	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate Year 1</u>	<u>Amount year 1</u>	<u>Rate Year 2</u>	<u>Amount year 2</u>	<u>Rate Year 3</u>	<u>Amount year 3</u>
	<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						
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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 reinforcemnt 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 lenghts 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	Extra over brickwork for single bullnose brick-on-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			R		R		R
Item	Description	Unit	Quantity	Rate Year 1	Amount year 1	Rate Year 2	Amount year 2	Rate Year 3	Amount year 3
	BILL No.5								
	WATERPROOFING								
	WATERPROOFING TO ROOFS, BASEMENTS, ETC								
	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						
	Polyethylene vapour barrier and 150mm thick insulation								
5	To top surface beds	m ²	1						
	JOINT SEALANTS,ETC								
	"Compriband" bitumen impregnated foam plastic joint sealing strips								
6	10 x 20mm In expansion joints (Provisional)	m	1						
	Two part grey polysulphide sealing compound including backing cord,bond breaker,primer,etc								
7	5 x 10mm In expansion joints in floors	m	1						

					R		R		R
Item	Description	Unit	Quantity	Rate Year 1	Amount year 1	Rate Year 2	Amount year 2	Rate Year 3	Amount year 3
	<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								
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						
	<p>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 approved clips and fasteners. Cover width 406mm. High wind - 120km/h plus - loading to be considered with installation and fixing must be in accordance with manufacturer's recommendations and specifications.</p>								
18	Roof covering with pitch not exceeding 25 degrees for steel shelters	m ²	1						
	<p>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 - 120km/h plus - loading to be considered with installation and fixing must be in accordance with manufacturer's recommendations and specifications.</p>								

19	<p>Roof covering with pitch not exceeding 25 degrees to station concourse</p> <p>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.</p>	m ²	1						
20	<p>Roof covering with pitch not exceeding 35 degrees to station concourse</p> <p>SHEET METAL FLASHINGS,LININGS,COPINGS,ETC</p> <p>0.8mm Galvanized sheet iron</p>	m ²	1						
21	<p>Flashings</p> <p>ROOF AND WALL INSULATION</p> <p>"Alucushion" or other approved bubble foil thermal insulation</p>	m ²	1						

22	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 sttaining wires	m ²	1						
Carried to final Summary					R		R		R
Item	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate Year 1</u>	<u>Amount year 1</u>	<u>Rate Year 2</u>	<u>Amount year 2</u>	<u>Rate Year 3</u>	<u>Amount year 3</u>
	<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

1	<p>The roofs generally have 600mm overhang on both sides (along lengths), eaves cladded with 4mm Fibre Cement ceilings</p> <p>The roofs generally have vertical cladded gable ends projecting 150mm at ends of the buildings</p> <p>The roofs generally are finished with bullnosed sheeting along all lengths of the buildings</p> <p>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.</p> <p>All trusses are to be fabricated in a factory by Specialists approved by the Architect.</p> <p>Ceilings are 6.4mm Gypsum and 4mm fibre cement sheeting on 38 x 38mm branderling</p> <p>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)</p> <p>Sawn Softwood</p> <p>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)</p>	m ²	1						
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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 branderling at 500mm centres	m ²	1						
16	Eaves soffit covering 550mm wide of 4mm thick sheets including 38 x 38mm sawn softwood branderling along edges,along centre and at 540mm centres across sheets	m	1						
17	10 x 225mm Facias including galvanized steel H-profile jointing strips	m	1						
18	10 x 230mm Barge boards including galvanized steel H-profile jointing strips	m	1						
19	6 x 500mm Pegboard infill panels including galvanized steel H-profile jointing strips	m	1						
	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						
	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.								
22	20 x 120mm solid meranti skirting	m	1						
	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.								
23	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								
30	<p>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</p> <p>Level G2 bullet resistant anti-bandit internal doors</p>	No.	1						
31	<p>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</p> <p>Level G3 bullet resistant anti-bandit external door</p>	No.	1						

General

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

Kitchen cupboards.

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

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 else where

32

No.

1

Interior type particle board with Formica veneer

33	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					
34	900 x32mm 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					
35	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					
36	2mm thick edge strip 32mm wide	m	1					
37	Cut 32mm work top to fit double bowl sink, measured else where	No.	1					
38	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.							

39	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.								
40	330 x 250mm Barge boards including galvanized steel H-profile jointing strips	m	1						
	Timber Skirting								
41	20 x 120mm solid meranti skirting, profile to detail image.	m	1						
	60mm Grommet								
42	60mm Hettich Grommet	No.	1						
	Carried to final Summary				R		R		R
	Description	Unit	Quantity	Rate Year 1	Amount year 1	Rate Year 2	Amount year 2	Rate Year 3	Amount year 3
Item	BILL NO. 8								
	CEILINGS,PARTITIONS AND ACCESS FLOORING								

SUPPLEMENTARY PREAMBLES

Descriptions:

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

All finishes to be applied at the factory during the manufacturing process and to be delivered on site 'pre-finished' as described. No applying of finishes on site will be allowed

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 accordingly for their required (ceilings panels have not been deducted and pricing is to take cognizance thereof)

CEILING ETC

	<p>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</p> <p>Supply and install</p> <p>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</p>							
1	<p>Ceiling generally 600mm wide including 38 x 38mm sawn softwood brading 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</p>	m ²	1					
2	<p>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</p>	No.	1					
3	<p>"Rhino" gypsum plasterboard cornice</p> <p>75mm coved cornices fixed to ceiling</p>	m	1					
4	<p>Ceiling Tiles - Metal</p> <p>600 x 600 x 0,5mm perforated lay-in powder coated metal tiles with acoustic backing laid on prepainted tees and adjustable hanger system.</p>	m ²	1					

	Ceiling Tiles - Acoustic								
5	1200 x 600 x 15mm thick acoustic ceiling tiles laid on prepainted tees and adjustable hanger system.	m ²	1						
	Ceiling Tiles - Vinyl coated								
6	1200 x 600 x 12,5mm vinyl faced ceiling panels laid on tees and adjustable hanger system. Owa coustic	m ²	1						
	Skimmed Ceiling - Internal								
6	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						
	Ceiling - External								
7	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						
	Isoboard								
8	Isoboard or similar approved extruded polystyrene over-purlin ceiling boards	m ²	1						
	Bulkhead - internal								

9	Flush plastered gypsum or Magna Board bulkhead, painted	m ²	1						
	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.								
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 prepainted tees and adjustable hanger system.	m ²	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 nonded "2,5mm Marley Thruflex sheeting" (access flooring to finish 150mm above the concrete sub-floor)	m ²	1						
22	Junctions against walls and columns	m	1						
		Carried to final Summary			R		R		R
	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate Year 1</u>	<u>Amount year 1</u>	<u>Rate Year 2</u>	<u>Amount year 2</u>	<u>Rate Year 3</u>	<u>Amount year 3</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

m² 1

Floor Carpets

2 500 x 500mm Loose lay "Metro" Belogotex Commercial carpet tiles with Nexbac from Nexus. Tessellated Installation

m² 1

Walk-off Mats

3 Matco Trio Scraper or equal approved Walk-off mat. Suitable for interior & exterior covered entrances.

m² 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.

m² 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 moulded fixing brackets,jointing blocks,etc,fixed to brickwork or concrete	No.	1						
13	Extra over Type TR 200 bumper rail for type TRS 200 stop end	No.	1						
	<u>POLISH,SEALERS,ETC</u>								
14	Two coats polymer floor coating on vinyl tiles or sheeting	m ²	1						
		Carried to final Summary			R		R		R
	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate Year 1</u>	<u>Amount year 1</u>	<u>Rate Year 2</u>	<u>Amount year 2</u>	<u>Rate Year 3</u>	<u>Amount year 3</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 round D pull handle back to back. Sizes to be as required - 19x130mm,19x200mm,19x300mm	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 functioning. These type lock to be used with Push plates and Pull handles. Double side locking mechanism.	No.	1						
7	Stainless Steel cylinder lock 60mm Grade 304 Stainless steel Euro profile Double with 6 pin and Masterkeyed	No.	1						
8	60mm Grade 304 Stainless steel Euro profile Double with 6 pin and Master keyed	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 installed at glass with matching stainless steel screws. Flush door bolts to be installed at glass doors both double and or extension leafs	No.	1						
11	Grade 304Stainless Steel indicator bolt (code: fixed to surface with matching stainless steel screws.	No.	1						
12	Grade 304Stainless Steel disabled indicator bolt, fixed to surface with matching stainless steel screws.								
	Push plates								
13	152x152mm Grade 304 Stainless Steel Push Plate with Euro cylinder profile to be applied where required	No.	1						

14	Various size Grade 304 Stainless Steel Push Plates to be applied where required	No.	1						
	Door closers, floor springs, etc								
15	Grade 304 Stainless Steel door mounted door stop, plugged and screwed to wall with matching stainless steel screws.								
16	Grade 304 Stainless Steel floor mounted door stop, plugged and screwed to floor with matching stainless steel screws.								
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 light 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	Stainless Steel Male Staff Toilet Sign. Stainless Steel engraved plate, size 150 x 150mm	No.	1						

21	Stainless Steel Female Staff Toilet Sign. Stainless Steel engraved plate, size 150 x 150mm	No.	1						
22	Stainless Steel Unisex Staff Toilet Sign. Stainless Steel engraved plate, size 150 x 150mm	No.	1						
23	Stainless Steel Paraplegic Staff Toilet Sign. Stainless Steel engraved plate, size 150 x 150mm	No.	1						
24	Stainless steel staff kitchen and break room sign. Stainless steel engraved plate, size 150 x 150mm	No.	1						
25	Stainless Steel Staff Showers Sign. Stainless steel engraved plate, size 150 x 150mm	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						
	Sanitary fittings								
29	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						
30	Stainless steel jumbo toilet roll holders with refill indicator and cylinder lock, plugged and screwed to the wall with stainless steel screws.	No.	1						

31	Satin stainless steel toilet roll holders for 2 or 3 rolls with central shaft system and cylinder lock, plugged and screwed to the wall with stainless steel screws. (vandal resistant)	No.	1						
32	Satin stainless steel recessed toilet roll holders for single or two rolls, plugged and screwed to the wall with stainless steel screws.	No.	1						
33	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						
34	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						
35	Satin stainless steel sanitary towel disposal bins with capacity of min10 litres, free standing or wall mounted (plugged and screwed to the wall with stainless steel screws)	No.	1						
36	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 steel screws. 2500 W motor with automatic power cut off after 90 seconds. With 5 year warranty.	No.	1						
37	Satin stainless steel paper towel dispenser with min 600 folded paper towels and cylinder lock, plugged and screwed to the wall with stainless steel screws.	No.	1						

38	Satin stainless steel robe hooks, plugged and screwed to the wall with stainless steel screws.	No.	1						
39	Satin stainless steel towel rings, plugged and screwed to the wall with stainless steel screws.	No.	1						
40	Baby Change facilities - Wall mounted and Recessed change stations. All new Super Core and Core Stations	No.	1						
		Carried to final Summary			R		R		R

<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate Year 1</u>	<u>Amount year 1</u>	<u>Rate Year 2</u>	<u>Amount year 2</u>	<u>Rate Year 3</u>	<u>Amount year 3</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

Workshop drawings

Drawings are to be submitted to the Project Manager for his approval prior to the commencing of any manufacturing

General notes:

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 II IF paint is applied within 16 hours of application of red lead primer, otherwise use type 11

Areas where welded connections will be made shall not be painted until welding is complete. After the connections 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 bracings plate for in steel roof shelters	m	1

Plates and angles to trusses

5	3mm plate for gutter, fout 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			R		R		R
Item	Description	Unit	Quantity	Rate Year 1	Amount year 1	Rate Year 2	Amount year 2	Rate Year 3	Amount year 3
	<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					
	PRESSED STEEL DOOR FRAMES							
	1.2mm double rebated frames suitable for drywall							
4	Frame for door 813 x 2032mm high	No.	1					
	1.2mm double rebated frames suitable for one brick wall							
5	Frame for door 813 x 2032mm high	No.	1					
6	Frame for door 1000 x 2032mm high	No.	1					
7	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

8 Manual hand chain Push-up Roller Shutters, for openings not exceeding 3600mm x 3000mm high.

No. 1

9 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

10 Sliding Gate: 2400mm high x 3000mm wide

No. 1

11 Single Swing Gate: 2400mm high x 1000mm wide

No. 1

CEILING EXPANDED METAL WORK

Mild steel sections

12	60 x 60 x 6mm equal angles bolted to wall (bolts priced elsewhere)	m	1						
13	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						
14	Expanded metal SWM x LWM (25 x 50 x 6mm) expanded metal welded on top of equal angles and intermediate rectangular	m ²	1						
15	300 x 200 x 6mm base plates	No.	1						
16	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									
17	5 Seater 2890mmW x 670mmD x 785mmH Back-to-Back platform bench Peforated galvanised and polyurethane painted finish bench suitable for outdoors burried on earth less then 1mm deep including excavation, concrete, backfilling, etc	No	1						
Shelving									

18	Single Rivet High Density Shelving decked with 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					
	STAINLESS STEEL STAIRS HANDRAILS							
	HANDRAILS							
	Stainless steel Stanchions							
19	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					
20	Extra over 76mm diameter rails for standard 90 degree bend	No.	1					
	Stainless steel gratings manufactured to the ISO 9001:2008 Quality Management System							
21	600mm wide 316 stainless steel non slip dimples 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					
		Carried to final Summary			R		R	
								R

Item	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate Year 1</u>	<u>Amount year 1</u>	<u>Rate Year 2</u>	<u>Amount year 2</u>	<u>Rate Year 3</u>	<u>Amount year 3</u>
	<p><u>BILL NO.13</u></p> <p><u>PLASTERING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Preparatory work for textured finishes:</p> <p>Textured finishes to be applied to plaster(plaster elsewhere)</p> <p>All surfaces are to inspected and approved by the Representative/Agent before any work is commenced with</p> <p>Prices for textured finishes:</p> <p>Prices are to include for all priming,preparatory work,etc.</p> <p>PVC acrylic waterbased and PVC resin bonded textured finish:</p> <p>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</p>								

SCREEDS								
Cement plaster screeds wood floated on concrete								
1	25mm Thick on floors and landings	m ²	1					
2	Average 50mm thick on floors to falls and currents	m ²	1					
Cement plaster screeds steel floated on concrete								
3	25mm Thick on floors and landings	m ²	1					
4	50mm thick on floors to falls and currents	m ²	1					
5	25mm Thick on treads and risers of stairs	m ²	1					
6	50mm Thick on treads and risers of stairs including reedings	m ²	1					
Cement plaster screeds wood floated on brickwork								
7	Average 30mm thick on brick coping	m ²	1					
GRANOLITHIC								
Untinted granolithic to concrete								

8	30mm Thick horizontal faces finished with a steel trowel	m ²	1						
9	Skirting 75mm high against walls with fair exposed edge and slightly rounded external angle above and coved to 25mm radius at junction with floor	m ²	1						
	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				R		R		R	
Item	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate Year 1</u>	<u>Amount year 1</u>	<u>Rate Year 2</u>	<u>Amount year 2</u>	<u>Rate Year 3</u>	<u>Amount year 3</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								
	<p>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)</p> <p>Prices are to include for all square cutting and waste,cleaning off on completion and protection from injury.Areas are measured net of face of bare brickwork and concrete. Any additional area caused by the thickness of tiling and screed are to be allowed for in prices</p>							
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					
2	500 x 500mm Loose lay "Metro" Belogotex Commercial carpet tiles with Nexbac from Nexus. Tessellated Installation	m ²	1					
3	Matco Trio Scraper or equal approved Walk-off 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, conforming to SANS 581.	m ²	1					
5	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					

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	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 tiling									
152 x 152 x5.5mm glazed ceramic tiles fixed with 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			R		R		R
BILL NO 15									
<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Rate Year 1</u>	<u>Amount year 1</u>	<u>Rate Year 2</u>	<u>Amount year 2</u>	<u>Rate Year 3</u>	<u>Amount year 3</u>

GLAZING

GLAZING TO STEEL WITH PUTTY

4mm Clear float glass

1 Panes exceeding 0,1m² and not exceeding 0,5m² m² 1

2 Panes exceeding 0,5m² and not exceeding 2m² m² 1

4mm Pattereded glass

3 Panes exceeding 0,1m² and not exceeding 0,5m² m² 1

Glazing to steel with screwed on steel beads(beads elsewhere)

4mm Clear float glass

4 Panes exceeding 0,1m² and not exceeding 0,5m² m² 1

Glazing to aluminium with clip on beads (beads elsewhere)

6.5mm High penetration resistance clear laminated safety glass

5 Panes exceeding 0,5m² and not exceeding 2m² m² 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,mirrors,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	Mirroe 450 x 900 high with four screws	No.	1						
		Carried to final Summary			R		R		R
	Description	Unit	Quantity	Rate Year 1	Amount year 1	Rate Year 2	Amount year 2	Rate Year 3	Amount year 3
	BILL NO.16								
	PAINTWORK								
	SUPPLEMENTARY PRAMBLES								
	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

On ceiling and cornices

m²

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									
<p>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 waterprime, one coat of universal undercoat, two coats of gloss Enamel of PRASA Grey</p>									
7	On steel work	m ²	1						
<p>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':</p>									
8	On internal walls	m ²	1						
<p>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</p>									

9	On ceiling	m ²	1						
ROAD AND PARKING MARKING									
Prepare and paint yellow reflective road marking paint on tared parking surfaces									
10	100mm wide yellow line	m	1						
Prepare and paint white reflective road marking paint on tared parking surfaces									
11	100mm wide yellow line								
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, Tilespaceor JNB Ceramica									
12	On wall	m ²	1						
FACEBRICK									

13	On wall	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 "Plascon" Brick and Slasto Dressing of interior/Exterior quality paint		m ²	1						
		Carried to final Summary				R		R		R	

Item	Description	Unit	Quantity	Rate Year 1	Amount year 1	Rate Year 2	Amount year 2	Rate Year 3	Amount year 3
	<u>BILL NO 17</u>								
	<u>Maintenance, Service and Repair work Rates</u>								
1	Provisional Sum for materials not listed in the BoQ	Sum	1	R 150,000.00	R 150,000.00	R 150,000.00	R 150,000.00	R 150,000.00	R 150,000.00
2	Percentage mark-up for materials not listed in the BoQ	%	R 150,000.00						
3	Provisional Sum for the hire of his own specialized equipment	Sum	1	R 50,000.00	R 50,000.00	R 50,000.00	R 50,000.00	R 50,000.00	R 50,000.00

4	Percentage markup for the hire or use of his own specialized equipment (Proof of cost per/hr must be submitted with invoices)	%	R 50,000.00					
5	The Service Provider is to tender their total cost per hour on site per qualified Artisan and an assistant to perform service and repairs during Normal working hours (07H:00 – 17H:00).							
5.1	Artisans	rate/hr	1					
5.2	General worker	rate/hr	1					
6	The Service Provider is to tender their total cost per hour on site per qualified Artisan and an assistant to perform service and repairs during After working hours and Saturdays (17:00 – 07:00) .							
6.1	Artisans	rate/hr	1					
6.2	General worker	rate/hr	1					
7	The Service Provider is to tender their total cost per hour on site per qualified Artisan and an assistant to perform service and repairs during Sunday and Public Holiday. This cost shall exclude material, which has previously been dealt with in this contract							

7.1	Artisans	rate/hr	1					
7.2	General worker	rate/hr	1					
8	Call-out rate (only when there is no fault found)	Sum	1					
9	Travel cost	rate/km	1					
		Carried to final Summary			R		R	R

GENERAL BUILDING FINAL SUMMARY								
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Description		BILL		<u>Amount year 1</u>	<u>Amount year 2</u>	<u>Amount year 3</u>
1	Health and Safety	1		R	R	R
1	Alterations	1		R	R	R
2	Earthworks	2		R	R	R
3	Concrete works	3		R	R	R
4	Masonry	4		R	R	R

5	Waterproofing	5	R	R	R
6	Roof Covering	6	R	R	R
7	Carpentry and Joinery	7	R	R	R
8	Ceiling, Partition and Access Flooring	8	R	R	R
9	Roof covering, Wall Linings, ETC	9	R	R	R
10	Ironmongery	10	R	R	R
11	Structural Steel	11	R	R	R
12	Metal work	12	R	R	R
13	Plastering	13	R	R	R
14	Tiling	14	R	R	R
15	Glazing	15	R	R	R
16	Paint work	16	R	R	R

17	Maintenance Service and Repair work rates	17		R		R	R
		SUBTOTAL		R	R	R	
				R	R	R	
		ADD 15% VAT		R	R	R	
				R	R	R	
		TOTAL AMOUNT		R	R	R	
		GRAND TOTAL AMOUNT(YEAR 1+ YEAR 2+ YEAR 3)				R	