



| <u>Item<br/>No</u> |   | <u>Unit</u> | <u>Rate</u> |
|--------------------|---|-------------|-------------|
|                    | <b><u>BILL No 1</u></b>   |             |             |
|                    | <b><u>DEMOLITIONS AND ALTERATIONS</u></b>   |             |             |
|                    | <b><u>NOTES :</u></b>   |             |             |
| 1                  | All reusable materials from the alterations such as, but not limited to, windows, doors, door frames, locks, general ironmongery, roof sheeting, trusses, purlins, fencing, carpets, light fittings, switches, plugs, distribution boards, and the like remain the property of the Department of Works and are to be carefully removed and to be handed over to the Employer. |             |             |
| 2                  | Such materials are to be removed and transported to the nearest offices of the Department of Works. The materials delivered to the Department of Works are to be receipted. All other building rubble is to be <u>removed from site to a suitable disposal site to be located by the Contractor.</u>  |             |             |
|                    | <b><u>TEMPORARY DUSTPROOF SCREENS AND BARRIERS</u></b>  |             |             |
|                    | <b><u>Supply and erect and remove on completion temporary dustproof screens formed of suitable timber framing covered with plywood sheeting and damp proof membrane</u></b>   |             |             |
| 1                  | Temporary dustproof screens in closing up of window and door openings and the like  | m2          | 179.63      |
| 2                  | Temporary dustproof screens 2700mm high   | m           | 431.52      |
|                    | <b><u>DEMOLITION OF EXISTING BUILDINGS</u></b>  |             |             |
|                    | <b><u>Demolition of existing buildings and structures complete including breaking up and removing foundation brickwork to a minimum of 150mm below ground level</u></b>   |             |             |
| 3                  | Single storey buildings of timber or prefabricated construction with a floor to ceiling height of not exceeding 3m high (area measured over the external walls, excluding roof overhangs and concrete aprons and stoeps) (concrete stoeps and aprons separately measured)   | m2          | 647.89      |
| 4                  | Single storey buildings with metal roofs on timber or steel trusses with a floor to ceiling height of not exceeding 3m high (area measured over the external walls, excluding roof overhangs and concrete aprons and stoeps) (concrete stoeps and aprons separately measured)   | m2          | 668.51      |
| 5                  | Single storey buildings with concrete roofs with a floor to ceiling height of not exceeding 3m high (area measured over the external walls, excluding roof overhangs and concrete aprons and stoeps) (concrete stoeps and aprons separately measured)   | m2          | 904.31      |
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|                | <b><u>REMOVAL OF EXISTING WORK</u></b>   |             |             |
|                | <b><u>NOTE :</u></b>   |             |             |
| 1              | Prices for the demolition of brick walls must allow for the demolition and removal of small isolated beams and lintols occuring therein over openings.   |             |             |
| 2              | The area of brickwork to be demolished excludes the areas of openings in walls.  |             |             |
| 3              | Prices for the demolition of brick or concrete walls, concrete surface beds, columns, slabs and the like must allow and include for the demolition of plastered or screeded surfaces and other finishes related thereto as NO separate measurement or payment will be made in this regard. |             |             |
| 4              | Prices for the demolition of concrete must allow for the cutting up and removal of any steel reinforcement in the concrete.  |             |             |
| 5              | The Contractor must ensure the stability of adjoining walls and structures during the demolition of any concrete and / or brickwork and must provide and install any necessary propping that may be necessary to ensure such stability and prices must allow herefore.                     |             |             |
|                | <b><u>Breaking up or breaking down and removing concrete</u></b>   |             |             |
| 6              | Concrete footings, bases and steps   | m3          | 1,143.09    |
| 7              | Concrete columns, walls, beams, slabs and staircases   | m3          | 1,143.09    |
| 8              | Concrete surface beds, aprons, pavings, etc approximately 75mm thick   | m2          | 101.57      |
| 9              | Concrete surface beds, aprons, pavings, etc approximately 100mm thick  | m2          | 126.48      |
| 10             | Concrete surface beds, aprons, pavings, etc approximately 150mm thick  | m2          | 181.96      |
|                | <b><u>Breaking up or breaking down and removing brickwork or blockwork</u></b>   |             |             |
| 11             | Brick piers or columns   | m3          | 954.10      |
| 12             | Kerb walls   | m2          | 83.34       |
| 13             | Half brick wall  | m2          | 133.02      |
| 14             | One brick wall   | m2          | 223.47      |
| 15             | One and a half brick wall  | m2          | 329.73      |
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|                | <b><u>Hacking up or hacking off and removing granolithic, screeds, plaster, tiles, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, tiling, etc (elsewhere measured)</u></b> |             |             |
| 16             | Internal or external plaster from walls, columns and soffits  | m2          | 70.08       |
| 17             | Screeds or granolithic paving to floors, roofs, treads and risers, etc not exceeding 30mm thick   | m2          | 101.05      |
| 18             | Screeds or granolithic paving to floors, roofs, treads and risers, etc exceeding 30mm and not exceeding 50mm thick  | m2          | 137.15      |
| 19             | Screeds or granolithic paving to floors, roofs, treads and risers, etc exceeding 50mm and not exceeding 80mm thick  | m2          | 214.93      |
| 20             | Ceramic floor or wall tiles   | m2          | 70.11       |
|                | <b><u>Taking up and removing vinyl floor coverings, carpeting, etc from screeded surfaces to be removed</u></b>   |             |             |
| 21             | Vinyl tile, sheet vinyl or similar floor covering   | m2          | 42.33       |
| 22             | Carpet tiles or carpeting with underfelt  | m2          | 42.20       |
|                | <b><u>Taking up and removing vinyl floor coverings, carpeting, etc from screeded surfaces and prepare surface under to receive new floor finish by removing all old adhesives, etc</u></b>                  |             |             |
| 23             | Vinyl tile, sheet vinyl or similar floor covering   | m2          | 60.09       |
| 24             | Carpet tiles or carpeting with underfelt  | m2          | 59.93       |
|                | <b><u>Taking up and removing timber flooring, etc</u></b>   |             |             |
| 25             | Timber flooring of various thicknesses from timber bearers and joists and prepare to receive new (existing timber bearers and joists to remain)   | m2          | 53.20       |
| 26             | Timber flooring of various thicknesses from and including the removal of timber bearers and joists under  | m2          | 55.32       |
|                | <b><u>Taking off or hacking off and removing skirtings and making good walls where skirtings removed</u></b>  |             |             |
| 27             | Timber skirting   | m           | 16.33       |
| 28             | Vinyl skirtings   | m           | 15.61       |
| 29             | Screeded or granolithic skirtings not exceeding 300mm high  | m           | 33.41       |
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|                | <b><u>Taking down and removing roofs, etc</u></b>   |             |             |
| 30             | Waterproofing membranes on flat concrete roof prepare surface under to receive new, including turnups, flashings, etc (measured on flat to roof area on slope)  | m2          | 78.29       |
| 31             | Waterproofing membranes on flat concrete roofs in isolated areas in repairs and prepare surface under to receive new, including turnups, flashings, etc (measured on flat to affected roof area on slope) | m2          | 91.46       |
| 32             | Malthoid roofing felt and prepare timber surface under to receive new, including turnups, flashings, etc (measured on flat to roof area on slope)   | m2          | 75.39       |
| 33             | Malthoid roofing felt in isolated areas in repairs and prepare timber surface under to receive new, including turnups, flashings, etc (measured on flat to affected roof area on slope)                   | m2          | 76.28       |
| 34             | Malthoid roofing felt and timber boarding under, including turnups, flashings, etc (measured on flat to roof area on slope)   | m2          | 83.73       |
| 35             | Fibre cement or metal roof sheeting in isolated single sheets in repairs (new sheeting elsewhere measured) (measured on flat to affected roof area on slope)  | m2          | 66.59       |
| 36             | Fibre cement or metal roof sheeting including flashings, ridges, etc (measured on flat to affected roof area on slope)  | m2          | 64.70       |
| 37             | Fibre cement or metal roof sheeting including metal or timber purlins, flashings, ridges, etc (measured on flat to roof area on slope)  | m2          | 66.14       |
| 38             | Concrete or clay roof tiles in isolated areas in repairs (new tiles elsewhere measured) (measured on flat to affected roof area on slope)   | m2          | 61.19       |
| 39             | Concrete or clay roof tiles in isolated areas in repairs (new tiles elsewhere measured) (measured on flat to affected roof area on slope)   | m2          | 61.13       |
| 40             | Concrete or clay roof tiles including battens or purlins (measured on flat to roof area on slope)   | m2          | 61.96       |
| 41             | Gutters and downpipes   | m           | 41.90       |
| 42             | Gutters and downpipes in short isolated lengths   | m           | 47.11       |
| 43             | Timber, steel or fibre cement fascias and bargeboards   | m           | 41.43       |
| 44             | Timber, steel or fibre cement fascias and bargeboards in short isolated lengths   | m           | 47.67       |
| 45             | Fibre cement or metal ridges and hip cappings where roof sheteing is not being removed  | m           | 41.51       |
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| 46   | Timber or steel truss with a clear span of not exceeding 2m and an overhang of not exceeding 900mm at eaves on both sides  | No          | 172.54      |
| 47   | Timber or steel truss with a clear span of exceeding 2m and not exceeding 4m and an overhang of not exceeding 900mm at eaves on both sides   | No          | 213.58      |
| 48   | Timber or steel truss with a clear span of exceeding 4m and not exceeding 6m and an overhang of not exceeding 900mm at eaves on both sides   | No          | 266.55      |
| 49   | Timber or steel truss with a clear span of exceeding 6m and not exceeding 8m and an overhang of not exceeding 900mm at eaves on both sides   | No          | 287.74      |
| 50   | Timber or steel truss with a clear span of exceeding 8m and not exceeding 10m and an overhang of not exceeding 900mm at eaves on both sides  | No          | 346.50      |
|  | <b><u>Carefully taking down, storing, protecting and later re-fixing of existing roof sheeting to new or existing metal or timber purlins (purlins elsewhere measured) including the supply and fitting of new screws, bolts, brackets, etc as may be required</u></b> |             |             |
| 51   | Fibre cement or metal roof sheeting in isolated single sheets in repairs (measured on flat to affected roof area on slope)   | m2          | 147.24      |
|  | <b><u>Taking down and removing ceilings, etc</u></b>   |             |             |
| 52   | Softboard or gypsum board ceilings in isolated panels  | m2          | 42.15       |
| 53   | Softboard or gypsum board ceilings including cover strips and cornices   | m2          | 42.28       |
| 54   | Softboard or gypsum board ceilings including brandering and cover strips and cornices  | m2          | 42.74       |
| 55   | Suspended ceilings in isolated panels, including all hangers, tees, cornices, etc  | m2          | 43.41       |
| 56   | Suspended ceilings, including all hangers, tees, cornices, etc   | m2          | 43.46       |
| 57   | Metal ceiling sheeting in isolated single length sheets in repairs (new sheeting elsewhere measured)   | m2          | 43.76       |
|  | <b><u>Taking out and removing doors, windows, etc from brickwork or concrete walls to be demolished</u></b>  |             |             |
| 58   | Steel window not exceeding 2,5m <sup>2</sup> in area   | No          | 139.76      |
| 59   | Steel window exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area   | No          | 160.13      |
| 60   | Steel window exceeding 5m <sup>2</sup> and not exceeding 7.5m <sup>2</sup> in area   | No          | 171.43      |
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| 61   | Aluminium window not exceeding 2,5m <sup>2</sup> in area  | No          | 137.46      |
| 62   | Aluminium window exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area  | No          | 156.29      |
| 63   | Aluminium window exceeding 5m <sup>2</sup> and not exceeding 7.5m <sup>2</sup> in area  | No          | 169.81      |
| 64   | Glazed steel door and frame not exceeding 2,5m <sup>2</sup> in area   | No          | 140.34      |
| 65   | Glazed steel door and frame exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area                             | No          | 190.92      |
| 66   | Timber single or double door and timber door frame not exceeding 2,5m <sup>2</sup> in area                                    | No          | 184.13      |
| 67   | Timber single or double door and timber door frame exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area      | No          | 181.04      |
| 68   | Timber single or double door and steel door frame not exceeding 2,5m <sup>2</sup> in area                                     | No          | 183.33      |
| 69   | Timber single or double door and steel door frame exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area       | No          | 200.21      |
| 70   | Steel single or double door and steel door frame not exceeding 2,5m <sup>2</sup> in area                                      | No          | 190.36      |
| 71   | Steel single or double door and steel door frame exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area        | No          | 203.79      |
| 72   | Aluminium door with sidelights and fanlights not exceeding 2,5m <sup>2</sup> in area  | No          | 194.53      |
| 73   | Aluminium door with sidelights and fanlights exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area            | No          | 196.12      |
| 74   | Aluminium door with sidelights and fanlights exceeding 5m <sup>2</sup> and not exceeding 7.5m <sup>2</sup> in area            | No          | 220.66      |
| <b><u>Taking out and removing doors, windows sashes from frames, gates, etc and prepare to receive new</u></b> |   |             |             |
| 75   | Aluminium and glass louvre unit from window or fanlight   | No          | 345.41      |
| 76   | Burglar bars or screens not exceeding 2,5m <sup>2</sup> in area from steel window or brick wall                               | No          | 315.22      |
| 77   | Burglar bars or screens exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area from steel window or brick wall | No          | 316.49      |
| 78   | Single timber or steel door from steel or timber frame and prepare frame to receive new door (elsewhere measured)             | No          | 374.19      |
| 79   | Double timber or steel door from steel or timber frame and prepare frame to receive new door (elsewhere measured)             | No          | 402.13      |
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| 80  | Timber sash from timber window and prepare timber frame to receive new (elsewhere measured)                              | No          | 367.39      |
| 81  | Steel sash from steel window and prepare steel frame to receive new (elsewhere measured)                                 | No          | 370.70      |
| 82  | Aluminium sash from aluminium window and prepare frame to receive new (elsewhere measured)                               | No          | 376.01      |
| 83  | Aluminium sliding door from aluminium frame and prepare frame to receive new (elsewhere measured)                        | No          | 401.95      |
| 84  | Single steel gate from steel frame and prepare frame to receive new gate (elsewhere measured)                            | No          | 432.68      |
| 85  | Double steel gate from steel frame and prepare frame to receive new gate (elsewhere measured)                            | No          | 472.84      |
| <b><u>Taking out and removing doors, windows, frames, etc (alterations to openings and / or building up openings where applicable elsewhere measured)</u></b> |  |             |             |
| 86  | Steel window not exceeding 2,5m <sup>2</sup> in area   | No          | 174.02      |
| 87  | Steel window exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area                                       | No          | 185.85      |
| 88  | Steel window exceeding 5m <sup>2</sup> and not exceeding 7.5m <sup>2</sup> in area                                       | No          | 194.17      |
| 89  | Aluminium window not exceeding 2,5m <sup>2</sup> in area   | No          | 181.66      |
| 90  | Aluminium window exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area                                   | No          | 185.03      |
| 91  | Aluminium window exceeding 5m <sup>2</sup> and not exceeding 7.5m <sup>2</sup> in area                                   | No          | 185.89      |
| 92  | Glazed steel door and frame not exceeding 2,5m <sup>2</sup> in area  | No          | 180.62      |
| 93  | Glazed steel door and frame exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area                        | No          | 191.13      |
| 94  | Timber single or double door and timber door frame not exceeding 2,5m <sup>2</sup> in area                               | No          | 200.25      |
| 95  | Timber single or double door and timber door frame exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area | No          | 197.86      |
| 96  | Timber single or double door and steel door frame not exceeding 2,5m <sup>2</sup> in area                                | No          | 198.32      |
| 97  | Timber single or double door and steel door frame exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area  | No          | 206.95      |
| 98  | Steel single or double door and steel door frame not exceeding 2,5m <sup>2</sup> in area                                 | No          | 202.84      |
| 99  | Steel single or double door and steel door frame exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area   | No          | 215.35      |
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| 100            | Aluminium door with sidelights and fanlights not exceeding 2,5m <sup>2</sup> in area   | No          | 225.33      |
| 101            | Aluminium door with sidelights and fanlights exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> in area             | No          | 238.75      |
| 102            | Aluminium door with sidelights and fanlights exceeding 5m <sup>2</sup> and not exceeding 7.5m <sup>2</sup> in area             | No          | 272.08      |
| 103            | Tip-up steel garage door   | No          | 308.22      |
|                | <b><u>Taking out and removing sundry ironmongery items, etc</u></b>  |             |             |
| 104            | Towel rails, towel rings, shower curtain rails, coat hooks, door stops, mirrors, soap dishes, toilet roll holders and the like | No          | 44.14       |
| 105            | Door locks, handles, hinges, door number plates, kicking plates, flush bolts, barrel bolts and the like                        | No          | 57.43       |
| 106            | Curtain tracks including pelmets   | No          | 48.84       |
| 107            | Venetain blinds and louvred drapes   | No          | 58.85       |
| 108            | Pinning boards, writing boards, projection screens and the like  | No          | 58.02       |
|                | <b><u>Taking out and removing partitioning</u></b>   |             |             |
| 109            | Timber framed and covered partitioning not exceeding 3m high complete with all doors, glazed openings, etc                     | m           | 200.86      |
| 110            | Drywall partitioning not exceeding 3m high complete with all doors, glazed openings, etc                                       | m           | 220.31      |
|                | <b><u>Taking out and removing joinery fittings and the like</u></b>  |             |             |
| 111            | Counter tops and work tops only  | m           | 100.56      |
| 112            | Timber or metal shelving on wall bands with shelf brackets not exceeding 1.5m high   | m           | 61.54       |
| 113            | Timber or metal shelving on wall bands with shelf brackets exceeding 1.5m and not exceeding 2.4m high                          | m           | 67.05       |
| 114            | Kitchen cupboard units and counters with cupboards under not exceeding 900mm high  | m           | 97.89       |
| 115            | Bedroom cupboard units, wall units, timber shelving units and the like not exceeding 3m high                                   | m           | 96.46       |
| 116            | Timber shelf from cupboard and prepare to receive new (elsewhere measured)   | No          | 92.50       |
| 117            | Cupboard door or drawer and prepare cupboard to receive new (elsewhere measured)   | No          | 90.60       |
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| 118            | Broom cupboards and grocery cupboards  | No          | 111.31      |
| 119            | Metal storage and teachers' cupboard units   | No          | 99.61       |
|                | <b><u>Taking out and removing taps and mixers</u></b>  |             |             |
| 120            | Pillar tap, bib tap or angle valve   | No          | 63.34       |
| 121            | Sink or bath mixer complete  | No          | 90.65       |
|                | <b><u>Taking out and removing sanitary fittings and appliances, including taps and traps, including disconnecting piping from fittings and cutting back and sealing off all water and waste pipes as necessary</u></b> |             |             |
| 122            | Stainless steel or earthenware wash hand basin   | No          | 173.84      |
| 123            | High level or low level cistern with flush pipe and prepare to receive new   | No          | 217.01      |
| 124            | Stainless steel or earthenware w.c. suite, drip sink or slop hopper with cistern and flush pipe  | No          | 210.22      |
| 125            | Stainless steel or earthenware bowl urinal   | No          | 183.59      |
| 126            | Stainless steel slab urinal with high level cistern and sparge pipes   | No          | 192.19      |
| 127            | Stainless steel single or double bowl sink and drainer unit  | No          | 181.22      |
| 128            | Shower set comprising shower rose and underwall stop cocks   | No          | 198.37      |
| 129            | Fire hose reel   | No          | 214.54      |
| 130            | Electric geyser of differing sizes from wall   | No          | 277.08      |
| 131            | Electric geyser of differing sizes from inside roof space including geyser tray  | No          | 317.80      |
| 132            | Steel or acrylic bath of all sizes   | No          | 217.96      |
|                | <b><u>Taking out and removing pipework, inclusive of valves, etc</u></b>   |             |             |
| 133            | Water supply and waste pipes of differing diameters and pipe types from walls  | m           | 28.18       |
| 134            | Water supply and sewage pipes of different diameters and pipe types in ground, including excavating, backfilling, etc  | m           | 30.89       |
|                | <b><u>Breaking up and removing manholes, gulleys, valve chambers, etc</u></b>  |             |             |
| 135            | Gulley trap including brick and / or concrete surround   | No          | 186.21      |
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| 136   | Small stopcock box including brick surround   | No          | 156.61      |
| 137   | Large valve chamber including brick and concrete surround and manhole covers and frames   | No          | 437.68      |
| 138   | Sewage manhole or stormwater catch pit not exceeding size 900 x 600mm internally and not exceeding 1m deep to invert                  | No          | 691.91      |
| 139   | Sewage manhole or stormwater catch pit not exceeding size 900 x 600mm internally and exceeding 1m and not exceeding 2m deep to invert | No          | 812.59      |
| <b><u>Taking down and removing of metal water tanks from tank stands</u></b>                          |   |             |             |
| 140   | Metal water tank not exceeding 5000 litres from tank stand not exceeding 3m high  | No          | 472.34      |
| 141   | Metal water tank not exceeding 5000 litres from tank stand exceeding 3m high not exceeding 6m high                                    | No          | 626.78      |
| 142   | Metal water tank not exceeding 5000 litres from tank stand exceeding 6m high not exceeding 9m high                                    | No          | 794.35      |
| 143   | Metal water tank not exceeding 5000 litres from tank stand exceeding 9m high not exceeding 12m high                                   | No          | 957.37      |
| 144   | Metal water tank exceeding 5000 litres and not exceeding 10000 litres from tank stand exceeding 6m high not exceeding 9m high         | No          | 1,077.17    |
| 145   | Metal water tank exceeding 5000 litres and not exceeding 10000 litres from tank stand exceeding 9m high not exceeding 12m high        | No          | 1,259.70    |
| <b><u>Taking down and removing of polyethylene water tanks from tank stands</u></b>                   |   |             |             |
| 146   | Polyethylene water tank not exceeding 5000 litres from tank stand not exceeding 3m high   | No          | 447.75      |
| 147   | Polyethylene water tank not exceeding 5000 litres from tank stand exceeding 3m high not exceeding 6m high                             | No          | 584.32      |
| 148   | Polyethylene water tank not exceeding 5000 litres from tank stand exceeding 6m high not exceeding 9m high                             | No          | 736.41      |
| 149   | Polyethylene water tank not exceeding 5000 litres from tank stand exceeding 9m high not exceeding 12m high                            | No          | 884.61      |
| 150   | Polyethylene water tank exceeding 5000 litres and not exceeding 10000 litres from tank stand exceeding 6m high not exceeding 9m high  | No          | 983.97      |
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| 151            | Polyethylene water tank exceeding 5000 litres and not exceeding 10000 litres from tank stand exceeding 9m high not exceeding 12m high   | No          | 1,171.33    |
|                | <b><u>Taking out and removing glass from steel, timber or aluminium windows and prepare to receive new (new glass elsewhere measured)</u></b>   |             |             |
| 152            | Glass from steel windows, doors, sidelights and fanlights   | m2          | 42.65       |
| 153            | Glass from timber windows, doors, sidelights and fanlights  | m2          | 39.18       |
| 154            | Glass from aluminium windows, doors, sidelights and fanlights   | m2          | 41.11       |
|                | <b><u>BUILDING UP OF OPENINGS</u></b>   |             |             |
|                | <b><u>Brickwork in 7MPa cement bricks in class II mortar in building up openings, including cutting toothings and bonding new to existing brickwork (new wall finishes elsewhere measured)</u></b>  |             |             |
| 155            | Half brick walls  | m2          | 535.85      |
| 156            | One brick walls   | m2          | 1,017.54    |
| 157            | One and a half brick walls  | m2          | 1,510.82    |
|                | <b><u>OPENINGS THROUGH EXISTING WALLS ETC</u></b>   |             |             |
|                | <b><u>Breaking out for and forming openings through brick walls for new door frames and windows including making good plaster on both sides and into reveals with concrete thresholds with steel trowelled finish and building in frames (new lintols, door frames and windows and making good paintwork elsewhere)</u></b> |             |             |
| 158            | Form opening through <u>half brick</u> wall for pressed steel door frame not exceeding 2.5m <sup>2</sup> and make good plaster around both sides  | No          | 558.22      |
| 159            | Form opening through <u>half brick</u> wall for pressed steel door frame exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> and make good plaster around both sides  | No          | 820.66      |
| 160            | Form opening through <u>one brick</u> wall for pressed steel door frame not exceeding 2.5m <sup>2</sup> and make good plaster around both sides   | No          | 1,037.10    |
| 161            | Form opening through <u>one brick</u> wall for pressed steel door frame exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> and make good plaster around both sides   | No          | 1,520.03    |
| 162            | Form plain opening or door opening through <u>half brick</u> wall not exceeding 2.5m <sup>2</sup> and make good plaster around both sides and to reveals, soffit and threshold  | No          | 491.86      |
|                | Bill No. 2<br>DEMOLITIONS AND ALTERATIONS<br><div style="text-align: right;">Initial here.....</div>  |             |             |

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|---|--|-------------|-------------|
| 163   | Form plain opening or door opening through <u>half brick</u> wall exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> and make good plaster around both sides and to reveals, soffit and threshold                   | No          | 808.85      |
| 164   | Form plain opening or door opening through <u>one brick</u> wall not exceeding 2.5m <sup>2</sup> and make good plaster around both sides and to reveals, soffit and threshold  | No          | 1,038.32    |
| 165   | Form plain opening or door opening through <u>one brick</u> wall exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> and make good plaster around both sides and to reveals, soffit and threshold                    | No          | 1,515.55    |
| 166   | Form window opening through <u>half brick</u> wall not exceeding 2.5m <sup>2</sup> and make good plaster around both sides and to reveals, soffit and cill   | No          | 648.91      |
| 167   | Form window opening through <u>half brick</u> wall exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> and make good plaster around both sides and to reveals, soffit and cill                                       | No          | 815.27      |
| 168   | Form window opening through <u>one brick</u> wall not exceeding 2.5m <sup>2</sup> and make good plaster around both sides and to reveals, soffit and cill  | No          | 1,065.81    |
| 169   | Form window opening through <u>one brick</u> wall exceeding 2.5m <sup>2</sup> and not exceeding 5m <sup>2</sup> and make good plaster around both sides and to reveals, soffit and cill  | No          | 1,498.85    |
| <b><u>CUTTING THROUGH SURFACE BEDS, ETC</u></b>   |  |             |             |
| 170   | Cut through 100mm concrete surface bed 500mm wide for new footing and later make good filling, apply soil insectide and make good damp proof membrane and concrete surface bed (new footing and excavation elsewhere measured) | m           | 376.62      |
| 171   | Cut through 100mm concrete surface bed 600mm wide for new footing and later make good filling, apply soil insectide and make good damp proof membrane and concrete surface bed (new footing and excavation elsewhere measured) | m           | 462.85      |
| 172   | Cut through 100mm concrete surface bed 700mm wide for new footing and later make good filling, apply soil insectide and make good damp proof membrane and concrete surface bed (new footing and excavation elsewhere measured) | m           | 510.64      |
| <p>Bill No. 2<br/>DEMOLITIONS AND ALTERATIONS</p> <p style="text-align: right;">Initial here.....</p> |  |             |             |

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|                    | <b><u>SCAFFOLDING</u></b>   |             |             |
|                    | <b>NOTE :</b>   |             |             |
| 1                  | The Contractor must provide all necessary scaffolding for any and all work required to single storey buildings and to the insides of buildings irrespective of the height of the building as no additional payment will be made in this regard. |             |             |
| 2                  | Scaffolding will only be measured and paid for work to the external face of the building where the building or structure is higher than one storey and to the actual height of the scaffolding erected.   |             |             |
| 3                  | The Contractor must ensure the stability of the scaffolding at all times and must provide adequate safety rails, barriers and walkways for the workmen using the scaffolding. No materials may be stored on scaffolding.                        |             |             |
| 4                  | The height of the scaffolding stated includes the ground floor level.   |             |             |
| 173                | Scaffolding to the external face of double storey buildings   | m           | 230.01      |
| 174                | Scaffolding to the external face of three storey buildings  | m           | 400.13      |
| 175                | Scaffolding to the external face of four storey buildings   | m           | 620.10      |
| 176                | Scaffolding to the external face of five storey buildings   | m           | 806.22      |
| 177                | Scaffolding to the external face of six storey buildings  | m           | 973.25      |
| 178                | Scaffolding to the external face of seven storey buildings  | m           | 1,182.36    |
| 179                | Scaffolding to the external face of eight storey buildings  | m           | 1,345.42    |
| 180                | Scaffolding to the external face of nine storey buildings   | m           | 1,529.18    |
| 181                | Scaffolding to the external face of ten storey buildings  | m           | 1,805.79    |
|                    | END OF BILL   |             |             |
|                    | Bill No. 2<br>DEMOLITIONS AND ALTERATIONS   |             |             |
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|                | <b><u>BILL No 2</u></b>  |             |             |
|                | <b><u>GENERAL REPAIRS TO EXISTING WORK</u></b>   |             |             |
|                | <b><u>REPAIRS AND SUNDRIES TO CONCRETE</u></b>   |             |             |
| 182            | Break up and remove 100mm concrete surface bed in small isolated patches by neatly cutting joint with an angle grinder, making good damp proof membrane under and re-casting in 20MPa concrete, including finishing off smooth                                   | m2          | 539.50      |
| 183            | 15MPa Concrete in topping 100mm thick cast in panels to existing concrete floors, including preparation and finishing off smooth with a wood float or steel trowel   | m2          | 392.17      |
| 184            | 20MPa Concrete in topping 100mm thick cast in panels to existing concrete floors, including preparation and finishing off smooth with a wood float or steel trowel   | m2          | 413.18      |
| 185            | 25MPa Concrete in topping 100mm thick cast in panels to existing concrete floors, including preparation and finishing off smooth with a wood float or steel trowel   | m2          | 442.77      |
|                | <b><u>REPAIRS AND SUNDRIES TO BRICKWORK</u></b>  |             |             |
| 186            | Neatly cut out and remove damaged or cracked section of <u>half brick wall</u> , clean and prepare and rebuild removed section in 7MPa cement bricks in class II mortar, including cutting toothings and bonding   | m2          | 694.32      |
| 187            | Neatly cut out and remove damaged or cracked section of <u>one brick wall</u> , clean and prepare and rebuild removed section in 7MPa cement bricks in class II mortar, including cutting toothings and bonding  | m2          | 1,259.65    |
| 188            | Neatly cut out and remove damaged or cracked section of <u>one and a half brick wall</u> , clean and prepare and rebuild removed section in 7MPa cement bricks in class II mortar, including cutting toothings and bonding                                       | m2          | 1,720.80    |
| 189            | Replace missing or damaged single brick including preparation and new mortar   | No          | 58.08       |
|                | <b><u>REPAIRS TO ROOF WATERPROOFING AND EXPANSION JOINTS</u></b>   |             |             |
| 190            | Prepare, prime and apply one layer 'ABE Index Unigum MS' or other equal and approved 4mm thick waterproofing membrane to concrete, plastered or screeded surfaces in repairs in isolated areas (removal of old elsewhere measured)                               | m2          | 439.60      |
| 191            | Prepare, prime with bitumen primer and apply one layer 'Derbigum SP' or other equal and approved 4mm thick torched-on fusion waterproofing membrane to concrete, plastered or screeded surfaces in repairs in isolated areas (removal of old elsewhere measured) | m2          | 442.90      |
| 192            | Prepare, prime and apply one layer 'Index Fidia P' waterproofing membrane to concrete, plastered or screeded surfaces in repairs in isolated areas (removal of old elsewhere measured)   | m2          | 510.81      |
|                | Bill No. 3<br>GENERAL REPAIRS TO EXISTING WORK   |             |             |
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| 193   | Prepare, prime and apply one layer 3mm 'Index Fidia' and one layer 4.5kg/m <sup>2</sup> 'Index Fidia MS' exposed mineral surface waterproofing membrane to concrete, plastered or screeded surfaces in repairs in isolated areas (removal of old elsewhere measured) | m2          | 620.82      |
| 194   | One layer "ABE 2-ply Malthoid" slip sheet butt jointed and fixed with copper clout nails at 150mm centres with and including one layer 4mm thick "ABE Argo" applied by torch fusion in repairs in isolated areas   | m2          | 229.45      |
| 195   | Rake out and remove old polysulphide or mastic pointing and prepare to receive new   | m           | 78.92       |
| <b><u>REPAIRS AND SUNDRIES TO EXISTING ROOF COVERINGS</u></b>   |  |             |             |
| <b><u>Sealing of existing roofs and flashings</u></b>   |  |             |             |
| <b><u>Note :</u></b>  |  |             |             |
| 1   | Prices must allow for the replacing of existing roofing drive screws and washers or hook bolts as may be necessary.  |             |             |
| 2   | Holes and roofing screws are to be sealed with Klodek waterproofing membrane. The waterproofing membrane sealing holes and roofing screws is to be a minimum size 75 x 75mm.   |             |             |
| 3   | Apply one coat primer diluted with 25% water, one full undiluted primer coat, one layer of waterproofing membrane and three finishing coats all as specified and in accordance with the manufacturer's instructions.   |             |             |
| 196   | Seal all holes and roofing screws, etc in galvanised roof sheeting and leave watertight (measured on flat to affected roof area on slope)  | m2          | 208.13      |
| 197   | Seal all ridges, hip cappings, valleys, side laps, end laps, side flashings, etc not exceeding 300mm wide or girth (measured on flat)  | m           | 165.45      |
| <b><u>Replacing of individual roofing sheets in repairs in isolated areas</u></b>                         |  |             |             |
| <b><u>Note :</u></b>  |  |             |             |
| 1   | The removal of existing isolated roof sheets is separately measured in Bill No 1 of this Volume.   |             |             |
| 2   | Prices must allow for lifting up of existing roof sheeting, ridges, etc at ends and sides as may be necessary, for replacing roofing screws along side and end laps with existing sheeting and for leaving completely water tight.                                   |             |             |
| 198   | 0.5mm Galvanised corrugated iron roof sheeting in single length sheets in repairs in isolated areas  | m2          | 373.50      |
| Bill No. 3<br>GENERAL REPAIRS TO EXISTING WORK<br><div style="text-align: right;">Initial here.....</div> |  |             |             |



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|----------------|--|-------------|-------------|
| 199            | 0.6mm 'IBR' profile galvanised steel troughed roof sheeting in single length sheets in repairs in isolated areas                           | m2          | 449.79      |
| 200            | 0.5mm 'Craftlok' profile commercial quality uncoated steel alloy ribbed roof sheeting in single length sheets in repairs in isolated areas | m2          | 706.06      |
| 201            | 0.6mm 'Brownbuilt Kliplok' galvanised steel ribbed roof sheeting in single length sheets in repairs in isolated areas                      | m2          | 772.41      |
|                | <b><u>Fibre cement fascias</u></b>   |             |             |
| 202            | Replace short length of damaged or missing fascia or bargeboard with new 10mm fibre cement fascia 225mm wide                               | m           | 213.33      |
| 203            | Replace short length of damaged or missing fascia or bargeboard with new 10mm fibre cement fascia 300mm wide                               | m           | 223.42      |
|                | <b><u>Fascia jointing strips</u></b>   |             |             |
| 204            | Standard H-profile jointing strips for 10mm fibre cement fascias and bargeboards 225mm long where missing or damaged                       | No          | 41.38       |
| 205            | Standard H-profile jointing strips for 10mm fibre cement fascias and bargeboards 300mm long where missing or damaged                       | No          | 47.55       |
|                | <b><u>Galvanised sheet iron fascias</u></b>  |             |             |
| 206            | Replace short length of damaged or missing fascia or bargeboard with new 0.8mm galvanised sheet iron fascia or bargeboard 225mm wide       | m           | 294.00      |
| 207            | Replace short length of damaged or missing fascia or bargeboard with new 0.8mm galvanised sheet iron fascia or bargeboard 300mm wide       | m           | 306.06      |
|                | <b><u>Eaves soffit linings</u></b>   |             |             |
| 208            | Replace damaged or missing eaves soffit lining with new 6mm medium density fibre cement flat board in isolated areas in repairs            | m2          | 438.50      |
|                | <b><u>REPAIRS AND SUNDRIES TO DOORS, ETC</u></b>   |             |             |
| 209            | Re-hang timber door leaf (door leaf previously removed)  | No          | 106.83      |
| 210            | Adjust timber door for ease of swing and closing   | No          | 137.74      |
|                | Bill No. 3<br>GENERAL REPAIRS TO EXISTING WORK   |             |             |
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|----------------|---|-------------|-------------|
|                | <b><u>REPAIRS TO CEILINGS</u></b>   |             |             |
|                | <b><u>Softboard ceilings</u></b>  |             |             |
| 211            | Replace damaged or missing ceiling board or panel with new 12mm softboard ceiling board in repairs in isolated areas fixed to underside of existing brandering, including neat chamfered joint of new to existing   | m2          | 306.63      |
| 212            | Replace damaged or missing ceiling board or panel with new 12mm softboard ceiling board in repairs in isolated areas fixed to underside of existing brandering, including neat joint of new to existing <u>and including</u> 8 x 50mm wrot mearnti cover strips over joints between sheets          | m2          | 332.18      |
|                | <b><u>Gypsum plasterboard ceilings</u></b>  |             |             |
| 213            | Replace damaged or missing ceiling board or panel with new 9.5mm gypsum plasterboard ceiling board in repairs in isolated areas fixed to underside of existing brandering, including neat joint of new to existing with wire scrim and 'Rhinolyte'skimmed over the joints                           | m2          | 257.27      |
| 214            | Replace damaged or missing ceiling board or panel with new 9.5mm gypsum rhinoboard ceiling board in repairs in isolated areas fixed to underside of existing brandering, including neat joint of new to existing <u>and including</u> 8 x 50mm wrot mearnti cover strips over joints between sheets | m2          | 284.34      |
|                | <b><u>Medium density fibre cement flat boards</u></b>   |             |             |
| 215            | Replace damaged or missing ceiling board or panel with new 4mm medium density fibre cement flat board in repairs in isolated areas fixed to underside of existing brandering, including neat joint of new to existing with <u>and including</u> 8 x 50mm wrot meranti cover strips over joints      | m2          | 179.17      |
| 216            | Replace damaged or missing ceiling board or panel with new 6mm medium density fibre cement flat board in repairs in isolated areas fixed to underside of existing brandering, including neat joint of new to existing with <u>and including</u> 8 x 50mm wrot meranti cover strips over joints      | m2          | 303.02      |
|                | <b><u>Cornices and cover strips</u></b>   |             |             |
| 217            | Refix loose ceiling cover strips and cornices   | m           | 20.55       |
| 218            | Replace damaged or missing cover strip with new 8 x 50mm wrot meranti cover strip   | m           | 38.51       |
| 219            | Replace damaged or missing cornice with new 70mm coved gypsum cornice   | m           | 78.08       |
| 220            | Replace damaged or missing cornice with new 75mm coved fibre cement cornice   | m           | 87.54       |
| 221            | Replace damaged or missing cornice with new 18 x 69mm wrot meranti angle rounded cornice  | m           | 84.93       |
|                | <b><u>Suspended ceilings</u></b>  |             |             |
| 222            | Replace damaged or missing T-section to suspended ceiling with new T-section to match existing  | m           | 67.72       |
|                | Bill No. 3<br>GENERAL REPAIRS TO EXISTING WORK  |             |             |
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| 223   | Replace damaged or missing ceiling panel with new 12.5mm gypsum vinyl covered fissured plasterboard ceiling board size 600 x 1200mm  | No          | 640.09      |
| 224   | Replace damaged or missing ceiling panel with new 15mm 'Prima Plain' ceiling panels size 600 x 600mm   | No          | 797.00      |
| 225   | Replace damaged or missing ceiling panel with new 15mm 'Prima Plain' ceiling panels size 600 x 1200mm  | No          | 864.94      |
| 226   | Replace damaged or missing ceiling panel with new 15mm 'Prima Dune Plus' ceiling panels size 600 x 600mm   | No          | 848.86      |
| 227   | Replace damaged or missing ceiling panel with new 15mm 'Prima Dune Plus' ceiling panels size 600 x 1200mm  | No          | 950.35      |
| 228   | Replace damaged or missing ceiling panel with new 15mm 'OWAcoustic Constellation 3' ceiling panels size 600 x 600mm  | No          | 945.39      |
| 229   | Replace damaged or missing ceiling panel with new 15mm 'OWAcoustic Constellation 3' ceiling panels size 600 x 1200mm   | No          | 1,072.99    |
| 230   | Replace damaged or missing ceiling panel with new 15mm 'OWAcoustic Futura 60' ceiling panels size 600 x 600mm  | No          | 989.82      |
| 231   | Replace damaged or missing ceiling panel with new 15mm 'OWAcoustic Futura 60' ceiling panels size 600 x 1200mm   | No          | 1,154.99    |
| <b><u>REPAIRS TO DRYWALL PARTITIONING</u></b>   |  |             |             |
| 232   | Replace damaged partition panel with new 12.7mm gypsum plasterboard wall board to one side only of 2.1m high partition with neat joint between new and existing with 'Rhino' tape and 'Readymix D' jointing compound skimmed and sanded smooth | m2          | 452.79      |
| 233   | Replace damaged partition panel with new 12.7mm gypsum plasterboard wall board to one side only of 2.4m high partition with neat joint between new and existing with 'Rhino' tape and 'Readymix D' jointing compound skimmed and sanded smooth | m2          | 486.20      |
| 234   | Replace damaged partition panel with new 12.7mm gypsum plasterboard wall board to one side only of 2.7m high partition with neat joint between new and existing with 'Rhino' tape and 'Readymix D' jointing compound skimmed and sanded smooth | m2          | 533.16      |
| 235   | Replace damaged or missing skirting to partition with new 75mm high natural anodised aluminium skirting  | m           | 216.19      |
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| <b><u>REPAIRS TO FLOOR COVERINGS AND WALL LININGS</u></b>   |  |             |             |
| <b><u>Floor coverings</u></b>   |  |             |             |
| 236   | Replace damaged or missing tiles in repairs in isolated areas with new 300 x 300 x 2.5mm semi flexible vinyl tiles fixed adhesive including preparation  | m2          | 464.95      |
| 237   | Replace damaged or missing tiles in repairs in isolated areas with new 300 x 300 x 2mm fully flexible vinyl tiles fixed with adhesive including preparation  | m2          | 583.56      |
| 238   | Replace damaged or missing sheeting in repairs in isolated areas with new 2mm fully flexible vinyl sheeting with welded joints fixed with adhesive including preparation   | m2          | 1,086.25    |
| 239   | Replace damaged or missing sheeting in repairs in isolated areas with new 3.5mm heavy duty embossed fully flexible vinyl sheeting with welded joints fixed with adhesive including preparation                             | m2          | 1,459.82    |
| 240   | Replace damaged or missing tiles in repairs in isolated areas with new 608 x 608 x 2mm electrostatic conductive vinyl tiles fixed with adhesive including preparation  | m2          | 1,412.70    |
| 241   | Replace damage or missing sheeting in repairs in isolated areas with new 2,5mm thick "Marmoleum" fully flexible linoleum floor sheeting with welded joints fixed adhesive including preparation                            | m2          | 1,297.26    |
| 242   | Replace damage or missing tiles in repairs in isolated areas with new 500 x 500 x 8mm 'Florpoint' heavy duty carpet tiles fixed adhesive including preparation   | m2          | 439.89      |
| 243   | Replace damage or missing carpeting in repairs in isolated areas with new needle punched plain resin backed carpet heavy residential grade broadloom carpeting to match existing fixed with adhesive including preparation | m2          | 545.31      |
| <b><u>Wall linings</u></b>  |  |             |             |
| 244   | Replace damage or missing sheeting to walls in repairs in isolated areas with new 1.25mm fully flexible vinyl sheeting with welded joints fixed with adhesive including preparation  | m2          | 948.08      |
| <b><u>Sundries</u></b>  |  |             |             |
| 245   | Replace damaged or missing skirting with new 70mm coved vinyl base skirting  | m           | 95.03       |
| 246   | Replace damaged or missing handrail covering with new vinyl handrail covering size 50 x 6mm  | m           | 271.04      |
| 247   | Replace damaged or missing stair nosing with new combined vinyl tread and stair nosing with ribbed tread pattern   | m           | 252.98      |
| Bill No. 3<br>GENERAL REPAIRS TO EXISTING WORK<br><div style="text-align: right;">Initial here.....</div> |  |             |             |

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|                | <b><u>REPAIRS TO IRONMONGERY AND METALWORK</u></b>   |             |             |
|                | <b><u>Service and adjust and leave in proper working order</u></b>   |             |             |
| 248            | Service and adjust louvre drapes, including re-fixing vanes to bottom plates   | m           | 214.62      |
| 249            | Service and adjust venetian blinds   | No          | 321.59      |
| 250            | Service and adjust overhead door closer for proper closing   | No          | 150.53      |
| 251            | Service and adjust floor spring for proper closing   | No          | 236.57      |
|                | <b><u>Repairs to steel and timber windows</u></b>  |             |             |
| 252            | Replace missing or damaged mosquito gauze to steel, aluminium or timber flyscreen  | m2          | 308.74      |
| 253            | Replace missing or damaged galvanised chicken mesh gauze to steel, aluminium or timber flyscreen   | m2          | 203.06      |
| 254            | Re-fix loose flyscreen to steel window, including new fixing clips as may be necessary   | No          | 94.47       |
| 255            | Re-fix loose window handles, fanlight catches and sliding stays to steel windows with the proper screws and rivets as may be necessary                             | No          | 71.96       |
| 256            | Re-fix loose window handles, fanlight catches and sliding stays to timber windows with the proper screws as may be necessary                                       | No          | 79.07       |
| 257            | Replace missing or damaged peg stay to steel or timber window with new solid brass or chromium plated peg stay 150mm long  | No          | 84.16       |
| 258            | Replace missing or damaged peg stay to steel or timber window with new solid brass or chromium plated peg stay 180mm long  | No          | 92.20       |
| 259            | Replace missing or damaged peg stay to steel or timber window with new solid brass or chromium plated peg stay 210mm long  | No          | 117.62      |
| 260            | Replace missing or damaged peg stay to steel or timber window with new solid brass or chromium plated peg stay 228mm long  | No          | 114.15      |
| 261            | Replace missing or damaged window handles to side hung sashes of steel or timber window with new solid brass or chromium plated window handles                     | No          | 80.52       |
| 262            | Replace missing or damaged fanlight catches to bottom hung sashes of steel or timber window with new solid brass or chromium plated spring loaded fanlight catches | No          | 150.44      |
|                | Bill No. 3<br>GENERAL REPAIRS TO EXISTING WORK   |             |             |
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| 263  | Adjust hinges of top, bottom or side hung steel sashes in steel windows so that sashes close properly                                  | No          | 124.03      |
|  | <b><u>Roller shutter doors</u></b>   |             |             |
| 264  | Service and adjust manually operated industrial type roller shutter door size 1200 x 1200mm high, including fixing of loose rails, etc | No          | 591.03      |
| 265  | Service and adjust manually operated industrial type roller shutter door size 1500 x 1200mm high, including fixing of loose rails, etc | No          | 863.86      |
| 266  | Service and adjust manually operated industrial type roller shutter door size 2400 x 2100mm high, including fixing of loose rails, etc | No          | 1,056.34    |
| 267  | Service and adjust crank operated industrial type roller shutter door size 3600 x 2400mm high, including fixing of loose rails, etc    | No          | 1,612.43    |
| 268  | Replace damaged slats of 1200mm wide industrial type roller shutter door with new slats (number of slats)                              | No          | 276.30      |
| 269  | Replace damaged slats of 1500mm wide industrial type roller shutter door with new slats (number of slats)                              | No          | 318.79      |
| 270  | Replace damaged slats of 2400mm wide industrial type roller shutter door with new slats (number of slats)                              | No          | 446.29      |
| 271  | Replace damaged slats of 3600mm wide industrial type roller shutter door with new slats (number of slats)                              | No          | 552.67      |
|  | <b><u>Sundries</u></b>   |             |             |
| 272  | Adjust striker plate of lockset in steel or timber door frame so that door closes properly and with out rattling                       | No          | 58.70       |
| 273  | Replace damaged or missing striker plate in steel or timber door frame   | No          | 104.16      |
| 274  | Re-fix loose pinning board or writing board to wall  | No          | 82.56       |
| 275  | Refix loose aluminium chalk rail to writing board  | No          | 92.51       |
| 276  | Replace missing or damaged chalk rail to 1200mm wide writing board with new aluminium chalk rail                                       | No          | 291.68      |
| 277  | Replace missing or damaged chalk rail to 1800mm wide writing board with new aluminium chalk rail                                       | No          | 419.26      |
| <p>Bill No. 3<br/>GENERAL REPAIRS TO EXISTING WORK</p> <p style="text-align: right;">Initial here.....</p> |  |             |             |

| <u>Item No</u>  |   | <u>Unit</u> | <u>Rate</u> |
|---|---|-------------|-------------|
| 278   | Replace missing or damaged chalk rail to 2700mm wide writing board with new aluminium chalk rail  | No          | 556.95      |
| <b><u>REPAIRS TO EXISTING PLASTERED AND SCREEDED SURFACES</u></b>   |   |             |             |
| <b><u>Cement screeds steel trowelled or wood floated smooth</u></b>                                       |   |             |             |
| 279   | Prepare existing screeded or granolithic paved surfaces to receive new ceramic floor tiling (elsewhere measured)  | m2          | 81.73       |
| 280   | Repair crack in screeded floor surface by cutting a neat and straight joint with an angle grinder along both sides of the crack, hacking out the screed between 300mm wide, cleaning out the crack, wedging with galvanised steel wedges, stapling one layer of chicken mesh over the crack and rescreeding to match existing | m           | 109.54      |
| 281   | Make good screed where half brick wall removed  | m           | 51.35       |
| 282   | Make good screed where one brick wall removed   | m           | 65.26       |
| <b><u>One coat external cement plaster wood floated smooth</u></b>  |   |             |             |
| 283   | Hack off external plaster in small isolated patches and replaster to match existing   | m2          | 140.93      |
| 284   | External plaster in making good walls where openings closed up including neat joint between new and existing plaster  | m2          | 135.03      |
| 285   | Make good external plaster where half brick wall removed  | m           | 54.61       |
| 286   | Make good external plaster where one brick wall removed   | m           | 69.82       |
| 287   | Repair crack in external plaster by hacking off the plaster around the crack minimum 300mm wide , cleaning out the crack, wedging with galvanised steel wedges, stapling one layer of chicken mesh over the crack and replastering to match existing  | m           | 91.61       |
| <b><u>One coat internal compo plaster steel trowelled smooth</u></b>                                      |   |             |             |
| 288   | Hack off internal plaster in small isolated patches and replaster to match existing   | m2          | 145.17      |
| 289   | Internal plaster in making good walls where openings closed up including neat joint between new and existing plaster  | m2          | 136.98      |
| 290   | Make good internal plaster where half brick wall removed  | m           | 56.47       |
| 291   | Make good internal plaster where one brick wall removed   | m           | 71.75       |
| Bill No. 3<br>GENERAL REPAIRS TO EXISTING WORK<br><div style="text-align: right;">Initial here.....</div> |   |             |             |

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|----------------|--|-------------|-------------|
| 292            | Repair crack in internal plaster by hacking off the plaster around the crack minimum 300mm wide , cleaning out the crack, wedging with galvanised steel wedges, stapling one layer of chicken mesh over the crack and replastering to match existing   | m           | 97.45       |
|                | <b><u>Reinforcing of brick walls where required to receive plaster</u></b>   |             |             |
| 293            | Galvanised chicken mesh securely stapled to brick walls  | m2          | 82.20       |
|                | <b><u>REPAIRS TO CERAMIC FLOOR AND WALL TILING</u></b>   |             |             |
|                | <b><u>Soap dishes, toilet roll holders, etc</u></b>  |             |             |
| 294            | Replace missing or damaged toilet roll holder with new white glazed semi-recessed toilet roll holder size 150 x 150mm  | No          | 213.94      |
| 295            | Replace missing or damaged soap dish with new white glazed semi recessed single soap dish size 150 x 150mm   | No          | 219.62      |
| 296            | Replace missing or damaged soap dish with new white glazed semi recessed double soap dish size 300 x 150mm   | No          | 263.09      |
|                | <b><u>152 x 152 x 5mm Thick white glazed ceramic wall tiles fixed with adhesive to plaster (elsewhere measured) and flush pointed with an approved cement based grout</u></b>  |             |             |
| 297            | Hack off wall tiling in small isolated patches and re-tile with new tiles to match existing  | m2          | 477.74      |
| 298            | Wall tiling in making good walls where openings closed up including neat joint between new and existing tiles  | m2          | 471.78      |
| 299            | Make good wall tiling where half brick wall removed  | m           | 220.43      |
| 300            | Make good wall tiling where one brick wall removed   | m           | 283.82      |
| 301            | Re-fix loose wall tiles  | No          | 140.84      |
|                | <b><u>Take delivery of, transport to the site, store, protect and lay ceramic tiles fixed with and including adhesive to existing plastered surfaces or screeded surfaces (elsewhere measured) and flush pointed with an approved tinted waterproof jointing compound on (cost of ceramic tiles elsewhere)</u></b> |             |             |
| 302            | Replace missing or damaged ceramic wall tiles with new in small isolated patches in repairs  | m2          | 188.14      |
| 303            | Replace missing or damaged ceramic floor tiles with new tiles in small isolated patches in repairs   | m2          | 194.95      |
| 304            | Replace missing or damaged ceramic skirting 100mm high with new skirting in small isolated lengths in repairs  | m           | 52.36       |
|                | Bill No. 3<br>GENERAL REPAIRS TO EXISTING WORK   |             |             |
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| <u>Item No</u>   |   | <u>Unit</u> | <u>Rate</u> |
|--|---|-------------|-------------|
| 305  | Replace missing or damaged ceramic riser tiles 170mm high with new tiles in small isolated areas in repairs             | m           | 52.55       |
| 306  | Replace missing or damaged ceramic tread tiles 275mm wide with new in small isolated areas in repairs                   | m           | 86.68       |
| <b><u>REPAIRS TO FENCING</u></b>   |   |             |             |
| <b><u>Removal of existing gates (new gates elsewhere)</u></b>  |   |             |             |
| 307  | Removal existing single gate (all widths and heights)   | No          | 208.39      |
| 308  | Removal existing double gates (all widths and heights)  | No          | 308.35      |
| <b><u>Replace fencing mesh with new</u></b>  |   |             |             |
| 309  | Replace existing 900mm high fencing mesh with new 50mm galvanised daimond wire mesh fixed to existing straining wires   | m           | 151.75      |
| 310  | Replace existing 1200mm high fencing mesh with new 50mm galvanised daimond wire mesh fixed to existing straining wires  | m           | 195.66      |
| 311  | Replace existing 1800mm high fencing mesh with new 50mm galvanised daimond wire mesh fixed to existing straining wires  | m           | 257.63      |
| 312  | Replace existing 2100mm high fencing mesh with new 50mm galvanised daimond wire mesh fixed to existing straining wires  | m           | 291.63      |
| 313  | Replace existing 2400mm high fencing mesh with new 50mm galvanised daimond wire mesh fixed to existing straining wires  | m           | 332.61      |
| 314  | <u>Extra over</u> for Razormesh cladding to vertical face of fencing in lieu of diamond mesh                            | m2          | 103.29      |
| <b><u>Replace fence posts with new including removing existing concrete base and providing new 20MPa concrete base</u></b> |   |             |             |
| 315  | Replace existing fence post with new 50mm diameter fence post 2500mm high including new 300 x 300 x 750mm concrete base | No          | 783.37      |
| 316  | Replace existing fence post with new 50mm diameter fence post 2700mm high including new 300 x 300 x 750mm concrete base | No          | 861.20      |
| 317  | Replace existing fence post with new 50mm diameter fence post 3000mm high including new 300 x 300 x 750mm concrete base | No          | 942.98      |
| Bill No. 3<br>GENERAL REPAIRS TO EXISTING WORK<br><div style="text-align: right;">Initial here.....</div>                  |   |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 318            | Replace existing inclined stay with new 50mm diameter inclined stay 3000mm long with one end bent to detail and bolted to post and the other end with sole plate including new 600 x 600 x 600mm concrete base   | No          | 862.32      |
| 319            | Replace existing fence post with new 100mm diameter fence post 2700mm high including new 450 x 450 x 600mm concrete base   | No          | 1,670.98    |
| 320            | Replace existing fence post with new 100mm diameter fence post 3000mm high including new 450 x 450 x 600mm concrete base   | No          | 1,825.45    |
| 321            | Replace existing fence post with new 100mm diameter fence post 3200mm high including new 450 x 450 x 600mm concrete base   | No          | 1,943.63    |
|                | <b><u>Replace fence wires</u></b>  |             |             |
| 322            | Replace existing straining wire with new 2.5mm galvanised straining wire   | m           | 4.77        |
| 323            | Replace existing straining wire with new 4mm galvanised straining wire   | m           | 7.12        |
| 324            | Replace existing barbed wire with new 2.5mm galvanised double strand reverse twist barbed wire   | m           | 6.38        |
| 325            | <u>Extra over</u> for Razor Coil to top of security fencing in lieu of four rows of barbed wire  | m           | 109.01      |
|                | <b><u>SUNDRY REPAIRS</u></b>   |             |             |
|                | <b><u>Interlocking paving or precast slab pavings</u></b>  |             |             |
| 326            | Lift up interlocking paving stones or precast paving slabs where the surface has sagged in small isolated areas, scarify and compact existing surface under, provide and lay additional base course and clean sand bedding as necessary and re-lay paving stones or paving slabs | m2          | 198.43      |
|                | END OF BILL  |             |             |
|                | Bill No. 3<br>GENERAL REPAIRS TO EXISTING WORK   |             |             |
|                | Initial here.....  |             |             |

| <u>Item<br/>No</u> |   | <u>Unit</u> | <u>Rate</u> |
|--------------------|---|-------------|-------------|
|                    | <b><u>BILL No 3</u></b>   |             |             |
|                    | <b><u>REPAIRS TO PLUMBING AND DRAINAGE INSTALLATIONS</u></b>  |             |             |
|                    | <b><u>GUTTERS AND DOWN PIPES</u></b>  |             |             |
|                    | <b><u>Sealing of gutters and downpipes</u></b>  |             |             |
| 327                | Soldering of joints in galvanised steel gutters and downpipes not exceeding 300mm diameter or girth | m           | 26.20       |
| 328                | Bituminous paint to insides of gutters not exceeding 300m diameter or girth                         | m           | 53.33       |
|                    | <b><u>Repairs to gutters and downpipes</u></b>  |             |             |
| 329                | Adjust and re-align eaves gutter to correct falls   | m           | 28.90       |
| 330                | Replace missing or damaged gutter bracket to 150 x 125 x 150mm fibre cement VHV eaves gutter        | No          | 48.53       |
| 331                | Replace missing or damaged gutter bracket to 100mm half round galvanised sheet iron eaves gutter    | No          | 45.63       |
| 332                | Replace missing or damaged gutter bracket to 110mm PVC square profile eaves gutter                  | No          | 47.59       |
| 333                | Replace missing or damaged holderbat to 100 x 75mm fibre cement down pipe                           | No          | 56.81       |
| 334                | Replace missing or damaged holderbat to 100 x 75mm galvanised sheet iron down pipe                  | No          | 54.08       |
| 335                | Replace missing or damaged holderbat to 110mm PVC square profile down pipe                          | No          | 75.14       |
| 336                | Replace missing or damaged outlet shoe to 100 x 75mm fibre cement down pipe                         | No          | 174.12      |
| 337                | Replace missing or damaged outlet shoe to 100 x 75mm galvanised sheet iron down pipe                | No          | 166.13      |
| 338                | Replace missing or damaged outlet shoe to 110mm PVC square profile down pipe                        | No          | 172.60      |
|                    | <b><u>REPAIRS TO SANITARY FITTINGS</u></b>  |             |             |
|                    | <b><u>Repairs to w.c. suites and flushing valves</u></b>  |             |             |
| 339                | Clean out blockage in w.c.pan   | No          | 236.59      |
| 340                | Service, clean and adjust ball valve to w.c. cistern, including new washers as may be necessary     | No          | 266.47      |
|                    | Bill No. 4  |             |             |
|                    | REPAIRS TO PLUMBING AND DRAINAGE INSTALLATIONS  |             |             |
|                    | Initial here.....   |             |             |

| <u>Item No</u>  |   | <u>Unit</u> | <u>Rate</u> |
|---|---|-------------|-------------|
| 341   | Service, clean and adjust beta valve flush unit to w.c. cistern, including new washers as may be necessary                | No          | 317.01      |
| 342   | Service, clean and adjust flushing valve to w.c. suite or urinal, including new washers as may be necessary               | No          | 320.98      |
| 343   | Replace missing or damaged 50mm flexible rubber cone to wc pan and flush pipe   | No          | 252.55      |
| 344   | Replace missing or damaged w.c. pan connector   | No          | 217.22      |
| 345   | Replace missing or damaged ball valve with plastic float unit to w.c. cistern   | No          | 338.22      |
| 346   | Replace missing or damaged beta valve flush unit to w.c. cistern  | No          | 489.58      |
| 347   | Replace missing or damaged beta valve flush unit complete with ball valve and plastic float to w.c. cistern               | No          | 783.68      |
| 348   | Replace missing or damaged duranite cistern lid   | No          | 808.61      |
| 349   | Replace missing or damaged glazed earthenware cistern lid   | No          | 594.40      |
| 350   | Replace missing or damaged cistern with new duranite cistern complete with lid, flushing mechanism and fitments           | No          | 1,578.01    |
| 351   | Replace missing or damaged cistern with new glazed earthenware cistern complete with lid, flushing mechanism and fitments | No          | 857.96      |
| 352   | Replace missing or damaged w.c.seat with new heavy duty double seat and flap  | No          | 366.81      |
| 353   | Replace missing or broken w.c. pan with new white glazed earthenware pan  | No          | 1,312.99    |
| <b><u>Re-fixing of existing sanitary fittings in new position (removal of sanitary fittings elsewhere measured)</u></b> |   |             |             |
| 354   | Stainless steel or earthenware wash hand basin  | No          | 377.40      |
| 355   | High level or low level cistern with flush pipe   | No          | 385.15      |
| 356   | Stainless steel or earthenware w.c. suite with cistern and flush pipe   | No          | 430.53      |
| 357   | Stainless steel or earthenware bowl urinal  | No          | 392.65      |
| 358   | Stainless steel single or double bowl sink and drainer unit   | No          | 384.02      |
| 359   | Fire hose reel  | No          | 398.24      |
| Bill No. 4<br>REPAIRS TO PLUMBING AND DRAINAGE INSTALLATIONS<br>Initial here.....                                       |   |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>Sundries</u></b>   |             |             |
| 360            | Clean out blockage in waste pipes not exceeding 50mm diameter from cleaning eye  | m           | 43.34       |
| 361            | Clean out blockage in bottle trap or P- or S-trap  | No          | 139.14      |
| 362            | Service, clean and replace washer to tap   | No          | 105.20      |
| 363            | Replace missing or damaged head to bib tap or pillar tap with new chromium plated head to match existing   | No          | 226.55      |
| 364            | Cut into existing water pipe or remove existing stop valve and connect new stop valve (new valve elsewhere measured)   | No          | 316.68      |
| 365            | Replace damaged or broken ball valve to water tank with new 50mm ball valve  | No          | 278.53      |
|                | <b><u>REPAIRS TO DRAINAGE INSTALLATIONS</u></b>  |             |             |
|                | <b><u>Cleaning of sewage pipes by rodding or shooting open blocked pipe not exceeding 160mm diameter with access from rodding eye or manhole</u></b>   |             |             |
| 366            | Clean blocked pipes not exceeding 10m long   | m           | 53.77       |
| 367            | Clean blocked pipes exceeding 10m and not exceeding 20m long   | m           | 70.59       |
| 368            | Clean blocked pipes exceeding 20m and not exceeding 30m long   | m           | 92.34       |
| 369            | Clean blocked pipes exceeding 30m and not exceeding 40m long   | m           | 107.25      |
| 370            | Clean blocked pipes exceeding 40m and not exceeding 50m long   | m           | 120.80      |
|                | <b><u>Clean out blockage in manholes, catch pits, etc</u></b>  |             |             |
| 371            | Clean out blocked manhole or catch pit not exceeding 1m deep   | No          | 870.04      |
| 372            | Clean out blocked manhole or catch pit exceeding 1m and not exceeding 2m deep  | No          | 1,244.24    |
| 373            | Pump out or clean out all sludge from septic tank or conservancy tank and dispose of in a suitable manner approved of by the local authority in an hygienic manner, including supplying all pumping equipment, protective clothing, etc (paid for at a cubic metre rate for the actual overall size of the tank) | m3          | 896.53      |
|                | <b><u>CUTTING THROUGH EXISTING WALLS AND FINISHES, ETC AND MAKING GOOD</u></b>   |             |             |
| 374            | Cut chase in existing brick wall for pipe and make good plaster and paint  | m           | 41.12       |
|                | Bill No. 4<br>REPAIRS TO PLUMBING AND DRAINAGE INSTALLATIONS<br>Initial here.....  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 375            | Cut through existing concrete surface bed or apron not exceeding 100mm thick for laying of new pipe not exceeding 160mm diameter and make good concrete (new pipe elsewhere measured) | m           | 154.86      |
| 376            | Cut through existing tarmac road surface for laying of new pipe not exceeding 160mm diameter and make good tarmac and base courses under (new pipe elsewhere measured)                | m           | 174.11      |
| 377            | Lift up existing interlocking paving stones or paving slabs for laying of new pipe not exceeding 160mm diameter and later re-lay (new pipe elsewhere measured)                        | m           | 134.51      |
| 378            | Form hole through existing half brick wall for pipe not exceeding 100mm diameter and make good plaster and paint  | No          | 85.64       |
| 379            | Form hole through existing one brick wall for pipe not exceeding 100mm diameter and make good plaster and paint   | No          | 136.99      |
| 380            | Form hole through existing one and a half brick wall for pipe not exceeding 100mm diameter and make good plaster and paint  | No          | 185.67      |
|                | END OF BILL   |             |             |
|                | Bill No. 4<br>REPAIRS TO PLUMBING AND DRAINAGE INSTALLATIONS<br>Initial here.....   |             |             |

| <u>Item<br/>No</u> |  | <u>Unit</u> | <u>Rate</u> |
|--------------------|--|-------------|-------------|
|                    | <p><b><u>BILL No 4</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b><u>NOTES :</u></b></p> <p>1 All paints are to be applied in strict accordance with the manufacturer's instructions. Painting is to be done by brush, roller or spraying as may be recommended by the paint manufacturer.</p> <p>2 No paint is to be applied during cold weather conditions and all paint must be stored and protected from frost or other cold weather conditions.</p> <p>3 Prices must allow for painting in different colours and for cutting to line around fittings, windows, doors, etc.</p> <p>4 Cellulose fillers such as 'Polyfilla' and 'Aurora' are NOT acceptable. The stopping of surfaces to be painted is to be done with 'Polycell Mendall 90' or 'Pera Universal Repairing Compound' mixed with 30% marble dust.</p> <p>5 Prices for paintwork must include for the protection of other finished work, including masking or covering all finished paintwork, as well as finished joinery, tiling, floor coverings, etc during painting operations.</p> <p>6 All door handles, locks and other ironmongery, pelmets, electrical switch and socket outlet cover plates, etc are to be removed before painting and are to be re-fitted after completion of painting. All paint spots, stains, etc are to be cleaned off all floors, walls, glass, doors, frames, fittings, etc after completion of the paintwork.</p> <p>7 Prices must include for the preparation and stopping of all surfaces as necessary. This must include where applicable for the patching and filling of missing window putty before the painting of steel or timber windows.</p> <p>8 Previously painted and plastered 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 small cracks shall be opened, filled with a suitable filler as previously described and finished smooth.</p> <p>Where necessary a coat of bonding liquid shall be applied to the plastered surface before applying any new coats of paint.</p> <p>Prices must allow for priming or sealing small areas of new plaster where walls have been repaired and / or where openings have been formed through walls and reveals and surrounds have been made good in new plaster.</p> <p>9 Previously painted metal surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal.</p> <p>Bill No. 5<br/>PAINTWORK</p> <p style="text-align: right;">Initial here.....</p> |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 10             | Previously painted or varnished wood 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. |             |             |
|                | <b><u>PAINTWORK TO PREVIOUSLY PAINTED AND PLASTERED OR SCREEDED SURFACES</u></b>   |             |             |
|                | <b><u>One coat bonding liquid</u></b>  |             |             |
| 381            | On internal smooth plastered walls and columns   | m2          | 38.47       |
| 382            | On internal smooth plastered ceilings and beams  | m2          | 38.47       |
| 383            | On off-shutter concrete walls and columns  | m2          | 38.47       |
| 384            | On off-shutter concrete ceilings and beams   | m2          | 40.68       |
|                | <b><u>Clean down and prepare and one coat exterior quality PVA emulsion paint</u></b>  |             |             |
| 385            | On internal smooth plastered walls and columns   | m2          | 51.09       |
| 386            | On internal smooth plastered ceilings and beams  | m2          | 51.81       |
| 387            | On off-shutter concrete walls and columns  | m2          | 51.09       |
| 388            | On off-shutter concrete ceilings and beams   | m2          | 53.25       |
| 389            | Extra for additional one coat of paint   | m2          | 23.75       |
|                | <b><u>Clean down and prepare and one coat Acrylic PVA paint</u></b>  |             |             |
| 390            | On internal smooth plastered walls and columns   | m2          | 57.45       |
| 391            | On internal smooth plastered ceilings and beams  | m2          | 52.65       |
| 392            | On external smooth plastered walls   | m2          | 50.51       |
| 393            | On external smooth plastered ceilings and beams  | m2          | 52.65       |
| 394            | On off-shutter concrete walls and columns  | m2          | 50.51       |
| 395            | On off-shutter concrete ceilings and beams   | m2          | 52.65       |
| 396            | Extra for additional one coat of paint   | m2          | 23.75       |
|                | Bill No. 5<br>PAINTWORK  |             |             |
|                | Initial here.....  |             |             |



| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>Clean down and prepare and one coat eggshell enamel paint</u></b>   |             |             |
| 397            | On internal smooth plastered walls and columns  | m2          | 73.52       |
| 398            | On internal smooth plastered ceilings and beams   | m2          | 77.30       |
| 399            | Extra for additional one coat of paint  | m2          | 37.00       |
|                | <b><u>Clean down and prepare and one coat gloss enamel paint</u></b>  |             |             |
| 400            | On internal smooth plastered walls and columns  | m2          | 73.42       |
| 401            | On internal smooth plastered ceilings and beams   | m2          | 77.21       |
| 402            | Extra for additional one coat of paint  | m2          | 36.89       |
|                | <b><u>Clean down and prepare and one coat polyurethane velvet enamel paint</u></b>  |             |             |
| 403            | On internal smooth plastered walls and columns  | m2          | 79.44       |
| 404            | On internal smooth plastered ceilings and beams   | m2          | 83.64       |
| 405            | Extra for additional one coat of paint  | m2          | 40.27       |
|                | <b><u>Clean down and prepare and one coat sealer and two coats marble plaster textured paint coating</u></b>                        |             |             |
| 406            | On internal smooth plastered walls and columns  | m2          | 166.26      |
| 407            | On internal smooth plastered ceilings and beams   | m2          | 175.68      |
| 408            | On external smooth plastered walls  | m2          | 166.26      |
| 409            | On external smooth plastered ceilings and beams   | m2          | 175.68      |
| 410            | On off-shutter concrete walls and columns   | m2          | 166.26      |
| 411            | On off-shutter concrete ceilings and beams  | m2          | 175.68      |
|                | <b><u>Clean down and etch screeded surface with 10% solution of hydrochloric acid and water and two full coats stoep enamel</u></b> |             |             |
| 412            | On screeded floors and skirtings  | m2          | 96.81       |
|                | Bill No. 5<br>PAINTWORK   |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>ON FIBRE-CEMENT</u></b>   |             |             |
|                | <b><u>Clean down and prepare and one coat Acrylic PVA paint</u></b>   |             |             |
| 413            | On fascias and eaves soffit linings   | m2          | 53.30       |
| 414            | On ceilings, including cornices and cover strips  | m2          | 53.30       |
| 415            | On window cills   | m2          | 51.06       |
| 416            | On gutters and downpipes not exceeding 300mm girth  | m           | 33.37       |
| 417            | Extra for additional one coat of paint  | m2          | 26.25       |
|                | <b><u>ON SOFTBOARD, ETC</u></b>   |             |             |
|                | <b><u>Clean down and prepare and one coat exterior quality PVA emulsion paint</u></b>                       |             |             |
| 418            | On ceilings, including cornices and cover strips  | m2          | 50.41       |
| 419            | Extra for additional one coat of paint  | m2          | 33.09       |
|                | <b><u>Clean down and prepare and one coat roadmarking paint</u></b>   |             |             |
| 420            | On ceilings, including cornices and cover strips  | m2          | 68.68       |
|                | <b><u>ON PLASTER BOARD</u></b>  |             |             |
|                | <b><u>Clean down and prepare and one coat exterior quality PVA emulsion paint</u></b>                       |             |             |
| 421            | On ceilings, including cornices and cover strips  | m2          | 76.08       |
| 422            | Extra for additional one coat of paint  | m2          | 52.16       |
|                | <b><u>Clean down and prepare and one coat sealer and one coat marble plaster textured paint coating</u></b> |             |             |
| 423            | On ceilings, including cornices and cover strips  | m2          | 124.96      |
|                | <b><u>Clean down and prepare and one coat Acrylic PVA paint</u></b>   |             |             |
| 424            | On drywall partitions   | m2          | 54.46       |
| 425            | Extra for additional one coat of paint  | m2          | 32.21       |
|                | Bill No. 5<br>PAINTWORK   |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>Clean down and prepare and one coat polyurethane velvet enamel paint</u></b>     |             |             |
| 426            | On drywall partitions  | m2          | 91.99       |
| 427            | Extra for additional one coat of paint   | m2          | 56.65       |
|                | <b><u>ON PVC</u></b>   |             |             |
|                | <b><u>Clean down and prepare and one coat Acrylic PVA paint</u></b>                    |             |             |
| 428            | On PVC pipes not exceeding 300mm girth   | m           | 25.56       |
|                | <b><u>ON METAL</u></b>   |             |             |
|                | <b><u>Clean down and prepare and one coat gloss enamel paint</u></b>                   |             |             |
| 429            | On door frames   | m2          | 81.04       |
| 430            | On windows with glazing bars (both sides measured flat)                                | m2          | 81.06       |
| 431            | On windows with burglar bars (both sides measured flat)                                | m2          | 89.47       |
| 432            | On transformer room doors and frames (both sides measured flat)                        | m2          | 81.06       |
| 433            | On strong room and record room doors and frames (both sides measured flat)             | m2          | 81.06       |
| 434            | On exposed truss members, purlins, etc   | m2          | 89.08       |
| 435            | On gates, grilles, burglar screens, balustrades, etc. (both sides measured flat)       | m2          | 89.52       |
| 436            | On rails, bars, pipes, etc. not exceeding 300mm girth.                                 | m           | 32.14       |
| 437            | Extra for additional one coat of paint   | m2          | 49.06       |
|                | <b><u>Clean down and prepare and one coat Acrylic PVA paint</u></b>                    |             |             |
| 438            | On underside of profiled roof sheeting and ceilings (measured on flat to ceiling area) | m2          | 60.39       |
| 439            | Extra for additional one coat of paint   | m2          | 39.75       |
|                | <b><u>Clean down and prepare and one coat Acrylic Roof paint</u></b>                   |             |             |
| 440            | On profiled roof sheeting and flashings (measured on flat to roof area)                | m2          | 77.79       |
| 441            | Extra for additional one coat of paint   | m2          | 42.98       |
|                | Bill No. 5<br>PAINTWORK  |             |             |
|                | Initial here.....  |             |             |

| <u>Item<br/>No</u> |  | <u>Unit</u> | <u>Rate</u> |
|--------------------|--|-------------|-------------|
|                    | <b><u>Clean down and prepare and one coat self-etching metal primer and one coat gloss enamel paint</u></b>      |             |             |
| 442                | On eaves gutters and downpipes   | m2          | 70.37       |
| 443                | On pipes not exceeding 100mm diameter  | m           | 18.17       |
|                    | <b><u>ON WOOD</u></b>  |             |             |
|                    | <b><u>Clean down and prepare and one coat clear matt polyurethane varnish</u></b>                                |             |             |
| 444                | On door frames   | m2          | 65.91       |
| 445                | On flush doors   | m2          | 72.49       |
| 446                | On panelled and moulded doors  | m2          | 72.49       |
| 447                | On windows, glazed doors, etc (both sides measured flat)   | m2          | 72.49       |
| 448                | On joinery fittings, shelving, slatted seating, etc  | m2          | 72.49       |
| 449                | On skirtings, frames, rails, etc not exceeding 300 mm girth  | m           | 24.84       |
| 450                | Extra for additional one coat of paint   | m2          | 37.26       |
|                    | <b><u>Clean down and prepare and one coat clear gloss polyurethane varnish</u></b>                               |             |             |
| 451                | On door frames   | m2          | 64.74       |
| 452                | On flush doors   | m2          | 64.74       |
| 453                | On panelled and moulded doors  | m2          | 64.74       |
| 454                | On windows, glazed doors, etc (both sides measured flat)   | m2          | 64.74       |
| 455                | On joinery fittings, shelving, slatted seating, etc  | m2          | 64.74       |
| 456                | On skirtings, frames, rails, etc not exceeding 300 mm girth  | m           | 24.73       |
| 457                | Extra for additional one coat of paint   | m2          | 38.30       |
|                    | <b><u>Clean down and prepare and one coat clear gloss exterior quality UV protected polyurethane varnish</u></b> |             |             |
| 458                | On door frames   | m2          | 71.60       |
|                    | Bill No. 5<br>PAINTWORK  |             |             |
|                    | Initial here.....  |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 459            | On flush doors   | m2          | 71.60       |
| 460            | On panelled and moulded doors  | m2          | 71.60       |
| 461            | On windows, glazed doors, etc (both sides measured flat)             | m2          | 71.60       |
| 462            | On skirtings, frames, rails, etc not exceeding 300 mm girth          | m           | 26.39       |
| 463            | Extra for additional one coat of paint                               | m2          | 40.70       |
|                | <b><u>Clean down and prepare and one coat matt enamel paint</u></b>  |             |             |
| 464            | On door frames   | m2          | 60.76       |
| 465            | On flush doors   | m2          | 60.76       |
| 466            | On panelled and moulded doors  | m2          | 60.76       |
| 467            | On windows, glazed doors, etc (both sides measured flat)             | m2          | 60.76       |
| 468            | On joinery fittings, shelving, slatted seating, etc                  | m2          | 60.76       |
| 469            | On skirtings, frames, rails, etc not exceeding 300 mm girth          | m           | 24.58       |
| 470            | Extra for additional one coat of paint                               | m2          | 35.70       |
|                | <b><u>Clean down and prepare and one coat gloss enamel paint</u></b> |             |             |
| 471            | On door frames   | m2          | 61.43       |
| 472            | On flush doors   | m2          | 61.43       |
| 473            | On panelled and moulded doors  | m2          | 61.43       |
| 474            | On windows, glazed doors, etc (both sides measured flat)             | m2          | 61.43       |
| 475            | On joinery fittings, shelving, slatted seating, etc                  | m2          | 61.43       |
| 476            | On exposed trusses, rafters, beams, purlins, etc                     | m2          | 61.43       |
| 477            | On skirtings, frames, rails, etc not exceeding 300 mm girth          | m           | 22.48       |
| 478            | Extra for additional one coat of paint                               | m2          | 35.36       |
|                | Bill No. 5<br>PAINTWORK  |             |             |
|                | Initial here.....  |             |             |

| <u>Item<br/>No</u> |  | <u>Unit</u> | <u>Rate</u> |
|--------------------|--|-------------|-------------|
|                    | <b><u>Clean down and prepare and one coat polyurethane velvet enamel paint</u></b> |             |             |
| 479                | On door frames   | m2          | 65.12       |
| 480                | On flush doors   | m2          | 65.12       |
| 481                | On panelled and moulded doors  | m2          | 65.12       |
| 482                | On windows, glazed doors, etc (both sides measured flat)                           | m2          | 65.12       |
| 483                | On joinery fittings, shelving, slatted seating, etc                                | m2          | 65.12       |
| 484                | On exposed trusses, rafters, beams, purlins, etc                                   | m2          | 65.12       |
| 485                | On skirtings, frames, rails, etc not exceeding 300 mm girth                        | m           | 31.02       |
| 486                | Extra for additional one coat of paint   | m2          | 38.32       |
|                    | END OF BILL  |             |             |
|                    | Bill No. 5<br>PAINTWORK  |             |             |
|                    | Initial here.....  |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>BILL No 5</u></b>  |             |             |
|                | <b><u>NON-SCHEDULE WORK</u></b>  |             |             |
|                | <b><u>NON-SCHEDULED MATERIALS</u></b>  |             |             |
| 487            | Percentage allowance to be added to the <b><u>NETT purchase cost of non-scheduled items excluding VAT</u></b> for profit and overhead costs  |             | 10.00%      |
|                | <b><u>LABOUR RATES</u></b>   |             |             |
|                | <b><u>NOTE :</u></b>   |             |             |
| 1              | The following labour rates must be INCLUSIVE all labour costs such as social security costs, pensions, bonuses and the like.   |             |             |
| 2              | The labour rates must also be INCLUSIVE of all supervision costs, foremen cost and PROFIT on labour as no extra costs in connection herewith will be payable.  |             |             |
| 488            | Hourly all inclusive labour rate for a bricklayer or plasterer   | Per Hr      | 64.56       |
| 489            | Hourly all inclusive labour rate for a carpenter   | Per Hr      | 82.00       |
| 490            | Hourly all inclusive rate for a plumber  | Per Hr      | 82.58       |
| 491            | Hourly all inclusive labour rate for a general handyman, metalworker, etc  | Per Hr      | 79.76       |
| 492            | Hourly all inclusive labour rate for an artisan painter  | Per Hr      | 62.47       |
| 493            | Hourly all inclusive labour rate for a labourer  | Per Hr      | 39.30       |
|                | <b><u>SELECTED SUB-CONTRACTORS</u></b>   |             |             |
| 494            | Percentage allowance to be added to the <b><u>NETT VALUE of the work of selected sub-contractors excluding VAT</u></b> for profit and attendance on the selected sub-contractors                       |             | 10.00%      |
|                | <b><u>EMERGENCY CALL-OUTS</u></b>  |             |             |
|                | <b><u>NOTE :</u></b>   |             |             |
| 1              | Payment of Emergency All-Outs will only take place when the call-out is outside of normal working hours. Normal working hours are considered to be between 07h00 and 18h00 Monday to Friday inclusive. |             |             |
| 2              | Travelling time of labour will be apid at the al-inclusive labour rates stated above within this Bill.   |             |             |
|                | Bill No. 6<br>NON-SCHEDULED WORK   |             |             |
|                | Initial here.....  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 495            | Fixed cost for Emergnecy Call-Out   | No          | 2,488.66    |
| 496            | Kilometre rate for transport of materials and labour for journeys where the distance is more than 25km from the Home Base or Branch Office (i.e. 50km return journey) | KM          | 29.74       |
|                | END OF BILL   |             |             |
|                | Bill No. 6<br>NON-SCHEDULED WORK  |             |             |
|                | Initial here.....   |             |             |



| <u>Item<br/>No</u> |   | <u>Unit</u> | <u>Rate</u> |
|--------------------|---|-------------|-------------|
|                    | <p><b><u>MINOR NEW WORKS FOR MINISTRY OF DEFENCE AND VETERANS AFFAIRS BUILDINGS</u></b></p> <p><b><u>GENERAL NOTES</u></b></p> <p>1 THIS VOLUME MUST BE READ IN CONJUNCTION WITH VOLUME ONE OF THIS BID WITH PARTICULAR REFERENCE TO THE SPECIFICATIONS CONTAINED THEREIN.</p> <p>2 ALL PAGES OF THIS VOLUME INCLUDING THE COVER PAGE MUST BE INITIALLED IN BLACK INK.</p> <p>3 NO ALTERATIONS AT ALL MAY BE MADE TO THE TEXT, DESCRIPTIONS OR UNIT RATES OR PERCENTAGES STATED HEREIN.</p> <p>4 ALL RATES ARE INCLUSIVE OF VALUE ADDED TAX AT THE RATE OF 15%.</p> |             |             |
|                    | <p>Bill No. 7<br/>GENERAL NOTES</p> <p style="text-align: right;">Initial here.....</p>   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>BILL No 6</u></b>   |             |             |
|                | <b><u>EARTHWORKS</u></b>  |             |             |
|                | <b><u>NOTES:</u></b>  |             |             |
| 1              | The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with some "soft rock" or "hard rock".  |             |             |
| 2              | Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site. It is the responsibility of the Contractor to locate a suitable dumping site.   |             |             |
| 3              | No risk of collapse will be measured or paid. It is the responsibility of the Contractor to ensure that the sides of the excavations are supported and that they do not collapse. In the event of the sides of the excavations collapsing, the Contractor must at his own cost remove all loose material and compact the bottoms of the trenches, holes, etc. |             |             |
|                | <b><u>BULK EXCAVATIONS, FILLING, ETC</u></b>  |             |             |
|                | <b><u>Open face excavation in earth over sloping site</u></b>   |             |             |
| 497            | Open face excavation  | m3          | 108.36      |
|                | <b><u>Extra over bulk excavation in earth for excavation in</u></b>   |             |             |
| 498            | Soft rock (the use of jack hammers is necessary)  | m3          | 736.09      |
| 499            | Hard rock (blasting is necessary)   | m3          | 1,386.24    |
|                | <b><u>Extra over all excavations for carting away</u></b>   |             |             |
| 500            | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor  | m3          | 71.72       |
|                | <b><u>Earth filling obtained from the excavations and/or prescribed stock piles on site</u></b>   |             |             |
| 501            | Over site to form platforms compacted to 93% Mod AASHTO   | m3          | 103.79      |
| 502            | Over site to form platforms compacted to 95% Mod AASHTO   | m3          | 114.11      |
| 503            | Over site to form platforms compacted to 98% Mod AASHTO   | m3          | 120.30      |
|                | Bill No. 8<br>EARTHWORKS  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>Compaction of surfaces</u></b>  |             |             |
| 504            | Compaction of ground surfaces including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASTHO density | m2          | 29.32       |
| 505            | Compaction of ground surfaces including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASTHO density | m2          | 31.29       |
|                | <b><u>ORDINARY EXCAVATIONS, FILLING, ETC</u></b>  |             |             |
|                | <b><u>Excavation in earth not exceeding 1m deep</u></b>   |             |             |
| 506            | Trenches and holes  | m3          | 112.57      |
| 507            | Reduce levels under floors  | m3          | 110.72      |
| 508            | Trenches in underpinning in alternating sections not exceeding 2m long  | m3          | 117.22      |
|                | <b><u>Excavation in earth exceeding 1m deep</u></b>   |             |             |
| 509            | Trenches and holes  | m3          | 116.64      |
|                | <b><u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 93% Mod AASHTO density</u></b>  |             |             |
| 510            | Not exceeding 1m deep for placing and removing formwork to sides of ground beams, walls, etc and not exceeding 500mm away from excavated face   | m2          | 57.07       |
|                | <b><u>Extra over trench and hole excavations in earth for excavations in</u></b>  |             |             |
| 511            | Soft rock   | m3          | 736.62      |
| 512            | Hard rock   | m3          | 1,417.88    |
|                | <b><u>Extra over all excavations for spreading and levelling</u></b>  |             |             |
| 513            | Surplus material from excavations and/or stock piles on site as directed  | m3          | 73.33       |
|                | <b><u>Extra over all excavations for carting away</u></b>   |             |             |
| 514            | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor  | m3          | 73.91       |
|                | Bill No. 8<br>EARTHWORKS  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density</u></b>                     |             |             |
| 515            | Backfilling to trenches, holes, etc   | m3          | 105.81      |
| 516            | Backfilling behind retaining walls  | m3          | 106.70      |
| 517            | Under floors, steps, pavings, etc   | m3          | 105.68      |
|                | <b><u>Earth filling supplied by the contractor compacted to 93% Mod. AASHTO density</u></b>   |             |             |
| 518            | Backfilling to trenches, holes, etc   | m3          | 440.15      |
| 519            | Backfilling behind retaining walls  | m3          | 440.15      |
| 520            | Under floors, steps, pavings, etc   | m3          | 440.15      |
|                | <b><u>Compaction of filling</u></b>   |             |             |
| 521            | Extra over all filling compacted to 93% Mod AASHTO for compacting to 95% Mod AASHTO   | m2          | 17.59       |
| 522            | Extra over all filling compacted to 93% Mod AASHTO for compacting to 98% Mod AASHTO   | m2          | 20.18       |
|                | <b><u>Coarse river sand filling supplied by the contractor</u></b>  |             |             |
| 523            | Under floors etc  | m3          | 381.72      |
| 524            | Backfilling behind retaining walls  | m3          | 381.72      |
|                | <b><u>Soilcrete backfilling comprising 5% cement and 95% approved materials from the excavations</u></b>  |             |             |
| 525            | Soilcrete backfilling to trenches, holes, etc under footings, bases, etc  | m3          | 1,140.35    |
|                | <b><u>Soil poisoning</u></b>  |             |             |
| 526            | Soil insecticide under floors, paving, etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming | m2          | 19.20       |
| 527            | Soil insecticide to bottoms of trenches, holes, etc   | m2          | 19.20       |
|                | END OF BILL   |             |             |
|                | Bill No. 8<br>EARTHWORKS  |             |             |
|                | Initial here.....   |             |             |

| <u>Item<br/>No</u> |  | <u>Unit</u> | <u>Rate</u> |
|--------------------|--|-------------|-------------|
|                    | <b><u>BILL No 7</u></b>  |             |             |
|                    | <b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b>   |             |             |
|                    | <b><u>CONCRETE WORK (UNREINFORCED AND REINFORCED)</u></b>  |             |             |
|                    | <b><u>Test Cubes</u></b>   |             |             |
|                    | The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" 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 tests to the Department of Works. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Department of Works. |             |             |
| 528                | Making and testing 150 x 150 x 150mm concrete strength test cube   | No          | 262.90      |
|                    | <b><u>5MPa/38mm concrete</u></b>   |             |             |
| 529                | Blinding under footings, bases, etc  | m3          | 2,414.57    |
|                    | <b><u>15MPa/19mm Concrete</u></b>  |             |             |
| 530                | Footings and bases cast against excavated surfaces   | m3          | 2,752.37    |
| 531                | Surface beds, aprons, pavings, ramps, etc cast in panels   | m3          | 2,752.37    |
| 532                | Steps, machine bases, plinths, etc   | m3          | 2,796.99    |
|                    | <b><u>20MPa/19mm concrete</u></b>  |             |             |
| 533                | Footings, bases and ground beams   | m3          | 3,069.98    |
| 534                | Surface beds, aprons, pavings, ramps, etc cast in panels   | m3          | 3,069.98    |
| 535                | Steps, machine bases, plinths, etc   | m3          | 3,069.98    |
| 536                | Slabs including attached beams and inverted beams  | m3          | 3,109.02    |
| 537                | Stairs and landings, including beams and inverted beams  | m3          | 3,109.02    |
| 538                | Columns  | m3          | 3,109.02    |
| 539                | Walls  | m3          | 3,109.02    |
| 540                | Isolated beams and ring beams  | m3          | 3,173.14    |
|                    | Bill No. 9<br>CONCRETE, FORMWORK AND REINFORCEMENT   |             |             |
|                    | Initial here.....  |             |             |

| <u>Item<br/>No</u> |  | <u>Unit</u> | <u>Rate</u> |
|--------------------|--|-------------|-------------|
|                    | <b><u>25MPa/19mm concrete</u></b>  |             |             |
| 541                | Footings, bases and ground beams   | m3          | 3,401.36    |
| 542                | Surface beds, aprons, pavings, ramps, etc cast in panels   | m3          | 3,401.36    |
| 543                | Steps, machine bases, plinths, etc   | m3          | 3,401.36    |
| 544                | Slabs including attached beams and inverted beams  | m3          | 3,498.96    |
| 545                | Stairs and landings, including beams and inverted beams  | m3          | 3,498.96    |
| 546                | Columns  | m3          | 3,498.96    |
| 547                | Walls  | m3          | 3,498.96    |
| 548                | Isolated beams and ring beams  | m3          | 3,549.14    |
|                    | <b><u>30MPa/19mm concrete</u></b>  |             |             |
| 549                | Footings, bases and ground beams   | m3          | 3,776.64    |
| 550                | Surface beds, aprons, pavings, ramps, etc cast in panels   | m3          | 3,776.64    |
| 551                | Steps, machine bases, plinths, etc   | m3          | 3,776.64    |
| 552                | Slabs including attached beams and inverted beams  | m3          | 3,776.64    |
| 553                | Stairs and landings, including beams and inverted beams  | m3          | 3,776.64    |
| 554                | Columns  | m3          | 3,776.64    |
| 555                | Walls  | m3          | 3,776.64    |
| 556                | Isolated beams and ring beams  | m3          | 3,776.64    |
|                    | <b><u>Concrete at coastal areas or otherwise as specifically required only</u></b>                                       |             |             |
| 557                | Extra over all classes or strengths of concrete for using cement with a minium fly-ash content of 30% or slagment of 19% | m3          | 684.91      |
|                    | Bill No. 9<br>CONCRETE, FORMWORK AND REINFORCEMENT   |             |             |
|                    | Initial here.....  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>CONCRETE SUNDRIES</u></b>   |             |             |
|                | <b><u>Finishing top surfaces of concrete smooth</u></b>   |             |             |
| 558            | Surface beds, slabs, aprons, pavings, etc with a wood float   | m2          | 38.53       |
| 559            | Surface beds, slabs, aprons, pavings, etc with a steel trowel   | m2          | 40.72       |
| 560            | Surface beds, slabs, aprons, pavings, etc with a power float  | m2          | 47.88       |
| 561            | Surface beds, slabs, aprons, pavings, etc with a power float including Masterplate floor hardener added at a rate of 7kg/m <sup>2</sup>   | m2          | 100.84      |
|                | <b><u>Plastic sleeve pipes not exceeding 100mm diameter</u></b>   |             |             |
| 562            | Sleeve not exceeding 250mm long   | No          | 44.97       |
|                | <b><u>Grooves, channels, mortices, sinkings, etc in concrete</u></b>  |             |             |
| 563            | Groove or recess in top of concrete not exceeding 150mm girth   | m           | 40.13       |
| 564            | Drip groove to underside of concrete not exceeding 150mm girth  | m           | 41.80       |
|                | <b><u>40MPa non-shrink grout</u></b>  |             |             |
| 565            | Bedding approximately 20mm thick under base plates including chamfered edges all round  | m2          | 666.77      |
|                | <b><u>FORMWORK</u></b>  |             |             |
|                | <b><u>Notes:</u></b>  |             |             |
|                | 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 the newly constructed work is able to support itself.  |             |             |
|                | Formwork to soffits of solid slabs, etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.  |             |             |
|                | Bill No. 9<br>CONCRETE, FORMWORK AND REINFORCEMENT  |             |             |
|                | Initial here.....   |             |             |

| <u>Item<br/>No</u> |   | <u>Unit</u> | <u>Rate</u> |
|--------------------|---|-------------|-------------|
|                    | <p>All horizontal and vertical edges of concrete are to be chamfered and prices for formwork must allow for small triangular fillets size approximately 10 x 10mm planted on to formwork to form the chamfers.</p> <p>Rough formwork shall have a surface finish to Degree of Accuracy III unless otherwise specified or described.</p> <p>The tolerances for all formwork shall be to Degree of Accuracy II unless otherwise described.</p> <p><b><u>Rough formwork to sides</u></b></p> |             |             |
| 566                | Footings, bases, ground beams, stoolings, etc   | m2          | 462.51      |
| 567                | Rectangular, square and L-shaped columns  | m2          | 461.46      |
| 568                | Rectangular, square and L-shaped columns with total height exceeding 3.5m and not exceeding 5m above bearing level  | m2          | 463.75      |
| 569                | Walls   | m2          | 471.15      |
| 570                | Walls with total height exceeding 3.5m and not exceeding 5m above bearing level   | m2          | 483.39      |
| 571                | Beams including beams attached to slabs, wall beams, isolated beams, etc  | m2          | 477.41      |
| 572                | Inverted beams, edges, risers, ends and reveals exceeding 300mm high or wide  | m2          | 476.14      |
| 573                | Edges, risers, ends and reveals not exceeding 300mm high or wide  | m           | 134.88      |
| 574                | Sloping and stepped outer edges of stairs not exceeding 300mm high or wide extreme  | m           | 156.55      |
|                    | <b><u>Rough formwork to soffits</u></b>   |             |             |
| 575                | Slabs   | m2          | 462.35      |
| 576                | Slabs propped up exceeding 3.5m and not exceeding 5m high   | m2          | 580.29      |
| 577                | Slabs exceeding 250mm and not exceeding 500mm thick   | m2          | 531.82      |
| 578                | Slabs over lift shafts and stair wells  | m2          | 495.70      |
| 579                | Landings  | m2          | 469.01      |
| 580                | Stairs with sloping soffits   | m2          | 489.42      |
| 581                | Ramps with sloping soffits  | m2          | 503.67      |
|                    | <p>Bill No. 9<br/>CONCRETE, FORMWORK AND REINFORCEMENT</p> <p style="text-align: right;">Initial here.....</p>  |             |             |



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|--|---|-------------|-------------|
| 582  | Wall beams over openings  | m2          | 489.26      |
|  | <b><u>Rough formwork to sides and soffits</u></b>   |             |             |
| 583  | Beams attached to slabs and isolated beams  | m2          | 509.20      |
|  | <b><u>Boxing out rough formwork to form</u></b>   |             |             |
| 584  | Horizontal projection along top edge of concrete not exceeding 300mm girth                                  | m           | 252.67      |
| 585  | Horizontal projection along bottom edge of concrete not exceeding 300mm girth                               | m           | 256.57      |
|  | <b><u>Boxing in rough formwork to form</u></b>  |             |             |
| 586  | Horizontal recess along top edge of concrete not exceeding 150mm girth                                      | m           | 132.64      |
| 587  | Horizontal recess along bottom edge of concrete not exceeding 150mm girth                                   | m           | 137.90      |
|  | <b><u>Rough formwork to form</u></b>  |             |             |
| 588  | Opening not exceeding 1m girth through slab not exceeding 250mm thick                                       | No          | 288.69      |
| 589  | Opening exceeding 1m and not exceeding 2m girth through slab not exceeding 250mm thick                      | No          | 414.95      |
| 590  | Opening not exceeding 1m girth through wall not exceeding 250mm thick                                       | No          | 376.03      |
| 591  | Opening exceeding 1m and not exceeding 2m girth through wall not exceeding 250mm thick                      | No          | 437.67      |
|  | <b><u>Smooth formwork</u></b>   |             |             |
| 592  | Extra over all rough formwork to sides and soffits of concrete for smooth formwork to Degree of Accuracy II | m2          | 393.54      |
|  | <b><u>Permanent formwork</u></b>  |             |             |
| 593  | Soffits of slabs  | m2          | 940.39      |
|  | <b><u>1.2mm Bond-lok 50/270mm galvanised steel decking and propping</u></b>                                 |             |             |
| 594  | Soffits of slabs  | m2          | 1,474.23    |
| <p>Bill No. 9<br/>CONCRETE, FORMWORK AND REINFORCEMENT</p> <p style="text-align: right;">Initial here.....</p> |   |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>MOVEMENT JOINTS ETC</u></b>  |             |             |
|                | <b><u>Two layers of 250 micron damp proof membrane in horizontal slip joints on top of brick walls below beams or slabs including 10mm smooth plaster to top of wall</u></b> |             |             |
| 595            | Slip joint not exceeding 300mm wide  | m           | 52.87       |
|                | <b><u>Expansion joints with 10mm thick closed cell polyethylene between vertical concrete and or brick surfaces</u></b>  |             |             |
| 596            | Joints not exceeding 300mm wide  | m           | 70.03       |
|                | <b><u>Saw cut joints</u></b>   |             |             |
| 597            | 3 x 40mm Saw cut joints in top of concrete with top cut to 6 x 20mm  | m           | 71.53       |
|                | <b><u>REINFORCEMENT</u></b>  |             |             |
|                | <b><u>Fabric reinforcement</u></b>   |             |             |
| 598            | Type 193 fabric reinforcement in concrete surface beds, slabs, aprons, etc   | m2          | 105.60      |
| 599            | Type 245 fabric reinforcement in concrete surface beds, slabs, aprons, etc   | m2          | 128.19      |
| 600            | Type 311 fabric reinforcement in concrete surface beds, slabs, aprons, etc   | m2          | 154.23      |
| 601            | Type 395 fabric reinforcement in concrete surface beds, slabs, aprons, etc   | m2          | 201.03      |
|                | <b><u>Mild steel reinforcement to structural concrete work cut, bent and fixed</u></b>   |             |             |
| 602            | 12mm Diameter bars   | kg          | 28.99       |
| 603            | 10mm Diameter bars   | kg          | 28.99       |
| 604            | 8mm Diameter bars  | kg          | 28.99       |
| 605            | 10mm Diameter dowel 250mm long with one end cast into concrete at expansion joint and other end greased and wrapped in plastic sheeting including hole in formwork           | No          | 58.90       |
|                | <b><u>High tensile steel reinforcement to structural concrete work cut, bent and fixed</u></b>   |             |             |
| 606            | 20mm Diameter bars   | kg          | 28.99       |
| 607            | 16mm Diameter bars   | kg          | 28.99       |
| 608            | 12mm Diameter bars   | kg          | 28.99       |
|                | Bill No. 9<br>CONCRETE, FORMWORK AND REINFORCEMENT   |             |             |
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|--------------------|---|-------------|-------------|
| 609                | 10mm Diameter bars  | kg          | 28.99       |
|                    | <b><u>PRECAST CONCRETE</u></b>  |             |             |
|                    | <b><u>Modular precast concrete window surrounds finished smooth on all exposed faces including bedding jointing and pointing built into walls and pointed all round on both sides with 20 x 20mm square recessed joints</u></b> |             |             |
|                    | <i>Notes :</i>  |             |             |
|                    | <i>Prices include for building in as single units or combinations of units in patterns of two or more window units.</i>   |             |             |
|                    | <i>Aluminium infill windows or glazing are separately measured.</i>   |             |             |
| 610                | Square block size 590 x 590 x 190mm   | No          | 637.20      |
| 611                | Square block size 590 x 590 x 260mm   | No          | 744.93      |
| 612                | Cicular block size 590mm diameter x 260mm   | No          | 897.87      |
|                    | END OF BILL   |             |             |
|                    | Bill No. 9<br>CONCRETE, FORMWORK AND REINFORCEMENT  |             |             |
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|----------------|--|-------------|-------------|
|                | <p><b><u>BILL No 8</u></b></p> <p><b><u>MASONRY</u></b></p> <p><b><u>NOTES:</u></b></p> <p>1      Brickwork in foundations must include for brick reinforcement in <b><u>EVERY BRICK COURSE</u></b>.</p> <p>2      Brickwork in superstructure (above surface bed level) must include for brick reinforcement every <b><u>FIFTH BRICK COURSE</u></b>.</p> <p><b><u>BRICK TESTS</u></b></p> <p>The costs of testing bricks shall include the cost of providing the necessary bricks for the purpose of testing, for testing costs and for submitting reports on the tests to the Department of Works. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Department of Works.</p> |             |             |
| 613            | Making and testing 150 x 150 x 150mm concrete strength test cube   | No          | 249.93      |
|                | <p><b><u>BRICKWORK IN FOUNDATIONS</u></b></p> <p><b><u>Brickwork of 7MPa cement bricks in class I mortar</u></b></p>   |             |             |
| 614            | Piers and mass brickwork   | m3          | 3,641.16    |
| 615            | Half brick wall  | m2          | 453.23      |
| 616            | One brick wall   | m2          | 858.70      |
| 617            | One and a half brick wall  | m2          | 1,255.03    |
|                | <p><b><u>Brickwork of 14MPa cement bricks in class I mortar</u></b></p>  |             |             |
| 618            | Piers and mass brickwork   | m3          | 4,009.55    |
| 619            | Half brick wall  | m2          | 485.72      |
| 620            | One brick wall   | m2          | 913.56      |
| 621            | One and a half brick wall  | m2          | 1,345.94    |
|                | <p>Bill No. 10<br/>MASONRY</p> <p style="text-align: right;">Initial here.....</p>   |             |             |

| <u>Item<br/>No</u> |   | <u>Unit</u> | <u>Rate</u> |
|--------------------|---|-------------|-------------|
|                    | <b><u>Standard 40MPa clay bricks in class II mortar</u></b>       |             |             |
| 622                | Piers and mass brickwork  | m3          | 4,716.26    |
| 623                | Half brick wall   | m2          | 558.69      |
| 624                | One brick wall  | m2          | 1,055.04    |
| 625                | One and half brickwall  | m2          | 1,567.81    |
|                    | <b><u>BRICKWORK IN SUPERSTRUCTURE</u></b>                         |             |             |
|                    | <b><u>Brickwork of 7MPa cement bricks in class II mortar</u></b>  |             |             |
| 626                | Piers and mass brickwork  | m3          | 3,575.52    |
| 627                | Brick on edge wall (75mm wide)                                    | m2          | 384.31      |
| 628                | Half brick wall   | m2          | 443.13      |
| 629                | Half brick wall circular on plan                                  | m2          | 475.75      |
| 630                | Half brick wall in beamfilling                                    | m2          | 478.09      |
| 631                | One brick wall  | m2          | 845.55      |
| 632                | One brick wall circular on plan                                   | m2          | 907.99      |
| 633                | One brick wall in beamfilling                                     | m2          | 917.53      |
|                    | <b><u>Brickwork of 14MPa cement bricks in class II mortar</u></b> |             |             |
| 634                | Piers and mass brickwork  | m3          | 3,972.61    |
| 635                | One brick wall  | m2          | 897.69      |
| 636                | One brick wall circular on plan                                   | m2          | 958.18      |
| 637                | One brick wall in beamfilling                                     | m2          | 970.71      |
|                    | <b><u>Standard 40MPa clay bricks in class II mortar</u></b>       |             |             |
| 638                | Piers and mass brickwork  | m3          | 4,754.70    |
| 639                | Half brick wall   | m2          | 547.87      |
|                    | Bill No. 10<br>MASONRY  |             |             |
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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 640            | Half brick wall circular on plan  | m2          | 549.65      |
| 641            | Half brick wall in beamfilling  | m2          | 548.78      |
| 642            | One brick wall  | m2          | 1,053.95    |
| 643            | One brick wall circular on plan   | m2          | 1,124.53    |
| 644            | One brick wall in beamfilling   | m2          | 1,053.30    |
|                | <b><u>BRICKWORK SUNDRIES</u></b>  |             |             |
|                | <b><u>Brickwork sundries</u></b>  |             |             |
| 645            | Extra over for building to a fair face including bagging walls with a thin cement slurry to fill up all irregularities and flushing up vertical joints and ruling horizontal joints | m2          | 81.07       |
|                | <b><u>Weep holes</u></b>  |             |             |
| 646            | 50mm Diameter PVC pipe 240mm long including building through one brick wall   | No          | 69.54       |
|                | <b><u>Galvanised brick reinforcement</u></b>  |             |             |
| 647            | 75mm Wide reinforcement built in horizontally (extra for brick lintols or bands)  | m           | 5.29        |
| 648            | 150mm Wide reinforcement built in horizontally (extra for brick lintols or bands)   | m           | 5.29        |
| 649            | 225mm Wide reinforcement built in horizontally (extra for brick lintols or bands)   | m           | 5.56        |
|                | <b><u>Galvanised hoop iron ties</u></b>   |             |             |
| 650            | 1.6mm Galvanised hoop iron tie 30mm wide and 600mm girth shot fixed to concrete and built into brickwork  | No          | 36.41       |
| 651            | 1.6mm Galvanised hoop iron tie 30mm wide and 750mm girth built into brickwork and wrapped around and spiked to wall plate   | No          | 49.80       |
|                | <b><u>Prestressed prefabricated lintels</u></b>   |             |             |
| 652            | 105 x 75mm Lintels in lengths not exceeding 3m  | m           | 115.39      |
| 653            | 105 x 75mm Lintels in lengths exceeding 3m  | m           | 121.84      |
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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>Natural grey fibrecement window sills in single lengths bedded in class I mortar including metal fixing lugs etc</u></b>  |             |             |
| 654            | 15 x 150mm sills set flat and slightly projecting   | m           | 343.90      |
| 655            | 15 x 175mm sills set sloping and slightly projecting  | m           | 392.48      |
|                | <b><u>Vermin proof air bricks and vents including forming opening in wall and rendering smooth all round in cement mortar</u></b>   |             |             |
| 656            | 225 x 150mm Cast plaster vermin proof air vent  | No          | 215.32      |
| 657            | 233 x 175mm Foam plastic vermin proof air vent  | No          | 161.08      |
| 658            | 225 x 150mm Galvanised vermin proof air vent  | No          | 269.43      |
| 659            | 229 x 152mm Clay vermin proof air brick   | No          | 416.39      |
|                | <b><u>FACE BRICKWORK</u></b>  |             |             |
|                | <b><u>Concrete S7 plain smooth face bricks as 'Henning Crusher' or other equal and approved in stretcher bond bedded, jointed and pointed in cement mortar with recessed horizontal and vertical joints</u></b> |             |             |
| 660            | Extra over ordinary brickwork for face brickwork  | m2          | 464.95      |
| 661            | Extra over ordinary brickwork for face brickwork circular on plan   | m2          | 520.33      |
| 662            | Half brick wall faced and pointed on both sides   | m2          | 810.63      |
| 663            | Extra over all facings for coloured face bricks   | m2          | 91.73       |
| 664            | Fair raking cutting and waste   | m           | 79.79       |
| 665            | Fair circular cutting and waste   | m           | 152.09      |
|                | <b><u>Extra over for lintels, sills, copings, etc</u></b>   |             |             |
| 666            | Extra over for brick-on -edge header course lintel  | m           | 165.58      |
| 667            | Extra over for brick-on -end soldier course lintel  | m           | 171.51      |
| 668            | Extra over for brick-on -edge header course sloping sill  | m           | 200.07      |
| 669            | Extra over for brick-on -edge header course coping to top of one brick wall   | m           | 202.10      |
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|----------------|---|-------------|-------------|
|                | <b><u>Concrete S7 plain rock face bricks as 'Henning Crusher' or other equal and approved in stretcher bond bedded, jointed and pointed in cement mortar with recessed horizontal and vertical joints</u></b> |             |             |
| 670            | Extra over ordinary brickwork for face brickwork  | m2          | 577.88      |
| 671            | Extra over ordinary brickwork for face brickwork circular on plan   | m2          | 621.40      |
| 672            | Half brick wall faced and pointed on both sides   | m2          | 978.97      |
| 673            | Extra over all facings for coloured face bricks   | m2          | 334.98      |
| 674            | Fair raking cutting and waste   | m           | 85.32       |
| 675            | Fair circular cutting and waste   | m           | 222.14      |
|                | <b><u>Extra over for lintels, sills, copings, etc</u></b>   |             |             |
| 676            | Extra over for brick-on -edge header course lintel  | m           | 113.33      |
| 677            | Extra over for brick-on -end soldier course lintel  | m           | 184.46      |
| 678            | Extra over for brick-on -edge header course sloping sill  | m           | 133.93      |
| 679            | Extra over for brick-on -edge header course coping to top of one brick wall   | m           | 143.66      |
|                | <b><u>QUARRY TILES</u></b>  |             |             |
|                | <b><u>152 x 152 x 16mm Quarry tiles of an approved colour bedded, jointed and flush pointed in cement mortar with continuous joints in both directions</u></b>  |             |             |
| 680            | Floors, landings, etc on and including 20mm thick cement mortar bed   | m2          | 977.77      |
| 681            | Treads not exceeding 300mm wide on and including 20mm thick cement mortar bed   | m           | 321.96      |
| 682            | Risers not exceeding 300mm high on and including 20mm thick cement mortar bed   | m           | 325.75      |
| 683            | Sills 152mm wide set flat and slightly projecting on and including  | m           | 260.65      |
| 684            | Sills 152mm wide set sloping and slightly projecting on and including cement mortar bed   | m           | 262.28      |
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| <u>Item<br/>No</u> |  | <u>Unit</u> | <u>Rate</u> |
|--------------------|--|-------------|-------------|
|                    | <b><u>DECORATIVE GRILLE BLOCKS</u></b>   |             |             |
|                    | <b><u>'Balkenkreuz' modular precast concrete feature grille blocks size 388 x 388 x 100mm or other equal and approved finished smooth on exposed surfaces including bedding, jointing and pointing with square recessed joints</u></b> |             |             |
| 685                | Panel size 1600 x 2000mm high overall  | No          | 7,088.65    |
| 686                | Panel size 2000 x 2000mm high overall  | No          | 7,828.33    |
| 687                | Panel size 4000 x 2000mm high overall  | No          | 15,695.10   |
|                    | END OF BILL  |             |             |
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|--------------------|---|-------------|-------------|
|                    | <b><u>BILL No 9</u></b>   |             |             |
|                    | <b><u>WATERPROOFING</u></b>   |             |             |
|                    | <b><u>DAMP-PROOFING OF WALLS AND FLOORS</u></b>   |             |             |
|                    | <b><u>One layer of approved 375 micron embossed damp proof course</u></b>   |             |             |
| 688                | In walls (110mm and 220mm wide)   | m2          | 42.30       |
|                    | <b><u>One layer of approved 250 micron under surface bed type waterproof sheeting sealed at laps with pressure sensitive tape</u></b>               |             |             |
| 689                | Under surface beds, aprons, etc   | m2          | 34.71       |
| 690                | To sides and bottoms of trenches and holes  | m2          | 34.71       |
|                    | <b><u>One layer of 375 micron hyperlastic orange waterproof sheeting sealed at laps with pressure sensitive tape</u></b>                            |             |             |
| 691                | Vertically behind retaining walls   | m2          | 56.23       |
|                    | <b><u>12mm Bitumen impregnated fibreboard</u></b>   |             |             |
| 692                | Vertically behind retaining walls   | m2          | 145.31      |
|                    | <b><u>Prepare and three coats bitumen paint</u></b>   |             |             |
| 693                | On concrete retaining walls   | m2          | 121.90      |
| 694                | On brick retaining walls including bagging  | m2          | 160.12      |
|                    | <b><u>Prepare and apply Sika Industrial Cemflex Universal Waterproofer applied in strict accordance with the manufacturer's instructions on</u></b> |             |             |
| 695                | On concrete retaining walls   | m2          | 388.05      |
| 696                | On brick retaining walls including bagging  | m2          | 433.72      |
|                    | Bill No. 11<br>WATERPROOFING  |             |             |
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| Item No |  | Unit | Rate   |
|---------|--|------|--------|
|         | <b><u>WATERPROOFING TO ROOFS, BASEMENTS, GUTTERS, ETC</u></b>  |      |        |
|         | <b>NOTE :</b>  |      |        |
|         | 1 Contractors shall lodge a ten year written guarantee on all roof and gutter waterproofing with the Department of Works prior to commencement of the work.  |      |        |
|         | 2 Waterproofing shall only be applied by Contractors approved by the supplier of the waterproofing system and is to be laid in strict accordance with the manufacturer's instructions.   |      |        |
|         | 3 Waterproofing to flat roofs is to be laid to a minimum fall of 1:60 to outlets, etc with necessary ridges, hips and valleys.   |      |        |
|         | 4 Measurements will be to the full flat area of the roof to be waterproofed and to the full vertical area to be waterproofed. Prices must therefore include include for all additional labour in turn-ups or turn-downs as well as fibreglass bandage flashings at turn-ups or turn-downs. |      |        |
|         | <b><u>Prepare, prime and apply one layer 'ABE Index Unigum MS' or other equal and approved 4mm thick waterproofing membrane to concrete surfaces</u></b>   |      |        |
| 697     | On flat roofs  | m2   | 569.99 |
|         | <b><u>Prepare, prime and apply one layer 'ABE Index Unigum P' or other equal and approved 4mm thick waterproofing membrane to concrete surfaces</u></b>  |      |        |
| 698     | Vertically behind retaining walls  | m2   | 545.21 |
|         | <b><u>Prepare, prime with bitumen primer and apply one layer 'Derbigum SP' or other equal and approved 4mm thick torched-on fusion waterproofing membrane to screeded or plastered surfaces (screed and plaster elsewhere measured) including turn-ups</u></b>                             |      |        |
| 699     | On flat roofs  | m2   | 544.22 |
|         | <b><u>Prepare, prime and apply one layer 'Index Fidia P' membrane laid on plastered or screeded surface (plaster and screed elsewhere measured) or smooth concrete surfaces</u></b>  |      |        |
| 700     | On flat roofs  | m2   | 556.61 |
|         | <b><u>Prepare, prime and apply one layer 3mm 'Index Fidia' and one layer 4.5kg/m<sup>2</sup> 'Index Fidia MS' exposed mineral surface waterproofing membrane to screeded or plastered surfaces (screed and plaster elsewhere measured) including turn-ups</u></b>                          |      |        |
| 701     | On flat roofs  | m2   | 670.96 |
|         | Bill No. 11<br>WATERPROOFING   |      |        |
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|         | <b><u>Prepare, prime and apply one layer 3mm 'Index Fidia', one layer 4mm 'Index Fidia' mineral surface waterproofing membrane to screeded or plastered surfaces with and including 25mm 'Isoboard' layer on top and including one layer of 'Bidim' geotextile fibre (screed, plaster and upper stone layer elsewhere measured) including turn-ups, etc</u></b>  |      |          |
| 702     | On flat roofs  | m2   | 717.78   |
|         | <b><u>Prepare surface, apply one coat of Pro-Struct Neoprene Primer, one coat Pro-Struct Bituthene 3000 to joints and cracks, one coat Pro-Struct Bituthene 3000 and one coat Bituthene 5000 self adhesive cold applied membrane to the primed surface</u></b>   |      |          |
| 703     | On flat roofs  | m2   | 768.76   |
|         | <b><u>Prepare, prime and apply one layer 'Nam SP Mineral" or other equal and approved 4mm thick waterproofing membrane to concrete surfaces</u></b>  |      |          |
| 704     | On flat roofs  | m2   | 883.35   |
|         | <b><u>Prepare, prime and apply one layer 'Nam SP Mineral" or other equal and approved 4mm thick waterproofing membrane to screed or plastered surfaces including turn-ups (screed and plaster elsewhere measured)</u></b>  |      |          |
| 705     | On flat roofs  | m2   | 874.78   |
|         | <b><u>Prepare, prime and apply one layer 'Nam SP4000" or other equal and approved 4mm thick torched-on fusion waterproofing membrane to concrete surfaces</u></b>  |      |          |
| 706     | Vertically behind retaining walls  | m2   | 899.76   |
|         | <b><u>Prepare, prime and apply one layer 'Nam SP4000" or other equal and approved 4mm thick torched-on fusion waterproofing membrane to screeded or plastered surfaces including turnups (screed and plaster elsewhere measured)</u></b>   |      |          |
| 707     | On flat roofs  | m2   | 913.26   |
|         | <b><u>Prepare, prime and apply one layer 'Nam SP4000" or other equal and approved 4mm thick torched-on fusion waterproofing membrane to screeded or plastered surfaces including turnups (screed and plaster elsewhere measured) or smooth concrete surfaces</u></b>   |      |          |
| 708     | On flat roofs  | m2   | 855.62   |
|         | <b><u>Prepare, prime and apply one layer 'Nam SP4000" or other equal and approved 4mm thick torched-on fusion waterproofing membrane to screeded or plastered surfaces with and including 25mm 'Isoboard' or other equal and approved insulation material layer on top and ind including one layer of 'Bidim' or other equal and approved geotextile fibre including turnups (screed and plaster elsewhere measured)</u></b> |      |          |
| 709     | On flat roofs  | m2   | 1,616.33 |
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|         | <b><u>Prepare surface apply one layer 'Nam SP4000" or other equal and approved 4mm thick torched-on fusion waterproofing membrane with 100mm overlaps</u></b>                                     |      |        |
| 710     | On timber roofing boards  | m2   | 776.20 |
|         | <b><u>BITUMINOUS SHEETING</u></b>   |      |        |
|         | <b><u>One layer "ABE 2-ply Malthoid" slip sheet butt jointed and fixed with copper clout nails at 150mm centres with and including one layer 4mm thick "ABE Argo" applied by torch fusion</u></b> |      |        |
| 711     | On timber roofing boards  | m2   | 532.52 |
|         | <b><u>PROTECTIVE ROOFING PAINT</u></b>  |      |        |
|         | <b><u>Prepare and apply two coats approved bituminous aluminium paint in strict accordance with the manufacturers instructions</u></b>  |      |        |
| 712     | On waterproofing  | m2   | 113.59 |
|         | <b><u>Prepare and apply two coats heavy duty acrylic emulsion paint in strict accordance with the manufacturers instructions</u></b>  |      |        |
| 713     | On waterproofing  | m2   | 114.91 |
|         | <b><u>Prepare surface apply one layer 'Swepeco Aluminium Roofshield' or other equal and approved aluminium roof paint in strict accordance with the manufacturer's instructions</u></b>           |      |        |
| 714     | On waterproofing  | m2   | 182.44 |
|         | <b><u>Prepare surface and apply two coats 'Swepeco Acrylic Enamel Metal Coating' or other equal and approved paint in strict accordance with the manufacturer's instructions</u></b>              |      |        |
| 715     | On waterproofing  | m2   | 194.31 |
|         | <b><u>WATERSTOPS</u></b>  |      |        |
|         | <b><u>PVC waterstops cast into concrete</u></b>   |      |        |
| 716     | 250mm Triple bulb waterstops  | m    | 139.59 |
|         | <b><u>JOINT SEALANTS, ETC</u></b>   |      |        |
|         | <b><u>Two part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.</u></b>  |      |        |
| 717     | 6 x 6mm In saw cut joints in floors   | m    | 80.90  |
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| 718            | 3 x 20mm In saw cut joints in floors   | m           | 108.21      |
| 719            | 10 x 10mm In vertical expansion joints including raking out polyethylene expansion joint filler as necessary   | m           | 144.30      |
| 720            | 10 x 10mm In horizontal expansion joints including raking out polyethylene expansion joint filler as necessary | m           | 142.03      |
|                | <b><u>Flexothane HS Elastomeric Joint Sealant etc.</u></b>   |             |             |
| 721            | 12 x 12mm In horizontal expansion joints including raking out polyethylene expansion joint filler as necessary | m           | 99.98       |
|                | <b><u>Clear silicone joint sealants</u></b>  |             |             |
| 722            | Silicone sealant to joint between tiles floors and timber or aluminium skirtings                               | m           | 36.92       |
|                | END OF BILL  |             |             |
|                | Bill No. 11<br>WATERPROOFING   |             |             |
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|----------------|---|-------------|-------------|
|                | <b><u>BILL No 10</u></b>  |             |             |
|                | <b><u>ROOF COVERINGS</u></b>  |             |             |
|                | <b><u>PROFILED METAL ROOF SHEETING AND ACCESSORIES</u></b>  |             |             |
|                | <b>NOTE:</b>  |             |             |
| 1              | All roof coverings unless otherwise stated are to pitches not exceeding 50°.  |             |             |
| 2              | All roof sheets must be in long lengths and where applicable must be in single length sheets (no end laps are permissible).   |             |             |
| 3              | Prices must allow for fixing to timber or to steel and for turning ends of sheets up or down at ridges, at headwalls and at eaves.  |             |             |
|                | <b><u>0.5mm Galvanised corrugated iron (Z275 spelter) roof sheeting with 0.6mm galvanised sheet steel accessories fixed in strict accordance with the manufacturer's instructions</u></b>                   |             |             |
| 723            | Roof sheeting   | m2          | 423.38      |
| 724            | Ridge capping 450mm girth   | m           | 243.87      |
| 725            | Hip capping 450mm girth   | m           | 243.98      |
| 726            | 90° Bull nose at edge to 450mm radius   | m           | 237.16      |
|                | <b><u>0.58mm 'IBR' profile full hard galvanised (Z275 spelter) steel troughed roofing with 0.8mm galvanised sheet steel accessories fixed in strict accordance with the manufacturer's instructions</u></b> |             |             |
| 727            | Roof sheeting in single length sheets   | m2          | 480.40      |
| 728            | Ridge capping   | m           | 257.00      |
| 729            | Hip capping   | m           | 256.67      |
| 730            | Standard narrow and broad flute closers   | m           | 126.65      |
| 731            | Standard narrow and broad flute closers at valleys or hips  | m           | 122.23      |
| 732            | Moulded narrow and broad rib polyethylene filler blocks   | m           | 111.94      |
| 733            | Moulded narrow and broad rib polyethylene filler blocks at valleys or hips  | m           | 113.62      |
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| <u>Item<br/>No</u> |  | <u>Unit</u> | <u>Rate</u> |
|--------------------|--|-------------|-------------|
|                    | <b><u>0.5mm 'IBR 686' Aluzinc profile steel troughed roofing and all accessories fixed in strict accordance with the manufacturer's instructions with fastening brackets and fixing specifications for areas of strong winds according to "Clotan Steel" with all exposed roofing screws, bolts, etc sealed with a suitable acrylic waterproofing system</u></b>   |             |             |
| 734                | Roof sheeting in single length sheets  | m2          | 498.88      |
| 735                | Ridge capping  | m           | 264.88      |
| 736                | Hip capping  | m           | 265.59      |
| 737                | Standard narrow and broad flute closers  | m           | 134.10      |
| 738                | Standard narrow and broad flute closers at valleys or hips   | m           | 137.37      |
| 739                | Moulded narrow and broad rib polyethylene filler blocks  | m           | 131.86      |
| 740                | Moulded narrow and broad rib polyethylene filler blocks at valleys or hips   | m           | 133.54      |
|                    | <b><u>0.5mm 'Craftlok' profile or other equal and approved commercial quality uncoated steel alloy ribbed roofing and all accessories fixed in strict accordance with the manufacturer's instructions</u></b>  |             |             |
| 741                | Roof sheeting in single length sheets  | m2          | 852.72      |
| 742                | Ridge capping  | m           | 308.14      |
| 743                | Hip capping  | m           | 308.14      |
| 744                | Standard narrow and broad flute closers  | m           | 160.60      |
| 745                | Standard narrow and broad flute closers at valleys or hips   | m           | 165.85      |
| 746                | Moulded narrow and broad rib polyethylene filler blocks  | m           | 147.99      |
| 747                | Moulded narrow and broad rib polyethylene filler blocks at valleys or hips   | m           | 149.66      |
|                    | <b><u>0.58mm 'Craftlok ZincAlume AZ 200' profile or other equal and approved steel alloy ribbed roofing and all accessories fixed in strict accordance with the manufacturer's instructions with fastening brackets and fixing specifications for areas of strong winds according to "NEC Stahl" with all exposed roofing screws, bolts, etc sealed with a suitable acrylic waterproofing system</u></b> |             |             |
| 748                | Roof sheeting in single length sheets  | m2          | 876.23      |
| 749                | Ridge capping  | m           | 310.21      |
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|----------------|--|-------------|-------------|
| 750            | Hip capping  | m           | 310.21      |
| 751            | Standard narrow and broad flute closers  | m           | 166.86      |
| 752            | Standard narrow and broad flute closers at valleys or hips   | m           | 171.65      |
| 753            | Moulded narrow and broad rib polyethylene filler blocks  | m           | 154.23      |
| 754            | Moulded narrow and broad rib polyethylene filler blocks at valleys or hips   | m           | 155.91      |
|                | <b><u>0.58mm "Kliplok 406" other equal and approved galvanised steel ribbed roofing with concealed fixing system with 0.8mm galvanised sheet steel accessories fixed in strict accordance with the manufacturer's instructions</u></b>   |             |             |
| 755            | Roof sheeting in single length sheets  | m2          | 868.58      |
| 756            | Extra over galvanised roof sheeting for Chromadek finish to upper surface in selected colours  | m2          | 218.34      |
| 757            | Ridge capping  | m           | 314.61      |
| 758            | Hip capping  | m           | 304.37      |
| 759            | Standard capping flashing  | m           | 304.95      |
| 760            | Standard baffle flashing   | m           | 304.95      |
| 761            | Standard counter flashing wedged into groove in brickwork, including groove and sealing with silicone  | m           | 192.14      |
|                | <b><u>0.58mm "Brownbuilt" or other equal and approved galvanised steel ribbed roofing with concealed fixing system with 0.8mm galvanised sheet steel accessories fixed in strict accordance with the manufacturer's instructions</u></b> |             |             |
| 762            | Roof sheeting in single length sheets  | m2          | 948.74      |
| 763            | Extra over galvanised roof sheeting for Chromadek finish to upper surface in selected colours  | m2          | 230.45      |
| 764            | Ridge capping  | m           | 314.61      |
| 765            | Hip capping  | m           | 306.31      |
| 766            | Standard capping flashing  | m           | 299.31      |
| 767            | Standard baffle flashing   | m           | 304.95      |
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ROOF COVERINGS

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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>CONCRETE ROOF TILES</u></b>   |             |             |
|                | <b><u>Approved concrete roof tiles 'bold double roman profile' fixed in strict accordance with the manufacturer's instructions on an underlay of 400 micron plastic sheeting with 150mm lapped and sealed joints and nailed through underlay with non-corrosive tile nails and/or fixed with suitable non-corrosive clips as required to and including 38 x 38mm sawn softwood battens at maximum 320mm centres with the battens fixed to roof trusses (trusses elsewhere measured)</u></b> |             |             |
| 780            | Roof covering with pitch not exceeding 26°  | m2          | 514.16      |
| 781            | Roof covering with pitch exceeding 26° and not exceeding 45°  | m2          | 514.16      |
| 782            | Roof covering with pitch exceeding 45°  | m2          | 514.16      |
| 783            | Extra for tilting batten  | m           | 95.51       |
| 784            | Gable roll ridge capping  | m           | 303.25      |
| 785            | V-ridge ridge capping   | m           | 318.53      |
| 786            | Verge tile  | m           | 379.16      |
| 787            | Gable roll end cap  | No          | 266.68      |
| 788            | V-ridge end cap   | No          | 258.18      |
| 789            | Close cut and mitred valley including bituminous felt soakers beneath and additional battens complete   | m           | 412.35      |
|                | <b><u>ROOF VENTILATORS</u></b>  |             |             |
| 790            | Whirly Bird' 300mm diameter galvanised slope mounted roof ventilator, including opening in roof sheeting and insulation material and flashing around and leaving completely water tight   | No          | 2,892.28    |
|                | <b><u>ROOF AND WALL INSULATION</u></b>  |             |             |
|                | <b><u>'Sisalation' or other equal and approved double-sided glass fibre reinforced aluminium foil bonded insulation</u></b>   |             |             |
| 791            | Type 405 light duty insulation laid taut over purlins (at approximately 1300mm centres) and fixed concurrent with roof covering including galvanized steel straining wires  | m2          | 83.69       |
| 792            | Type HF2 housing grade insulation laid taut over purlins (at approximately 1300mm centres) and fixed concurrent with roof covering including galvanized steel straining wires   | m2          | 90.18       |
|                | Bill No. 12<br>ROOF COVERINGS   |             |             |
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|----------------|--|-------------|-------------|
| 793            | Type FR 405 medium duty insulation laid taut over purlins (at approximately 1300mm centres) and fixed concurrent with roof covering including galvanized steel straining wires | m2          | 113.33      |
| 794            | Type FR 430 heavy duty insulation laid taut over purlins (at approximately 1300mm centres) and fixed concurrent with roof covering including galvanized steel straining wires  | m2          | 128.22      |
|                | <b><u>4mm "Alucushion" bubblefoil insulation with aluminium foil one side and white polyethylene other side or other equal and approved:</u></b>                               |             |             |
| 795            | Insulation laid taut over purlins and fixed concurrent with roof covering and vertical cladding including galvanised steel straining wires                                     | m2          | 99.00       |
|                | <b><u>SHEET METAL FLASHINGS, LININGS AND COPINGS</u></b>   |             |             |
|                | <b><u>0.8mm Galvanised sheet iron</u></b>  |             |             |
| 796            | Cover flashing, headwall and sidewall flashings, valley gutters, copings, fascias, etc   | m2          | 287.77      |
| 797            | Extra over galvanised sheeting for Chromadek finish to upper surface in selected colours   | m2          | 198.89      |
|                | <b><u>1mm Galvanised sheet iron</u></b>  |             |             |
| 798            | Cover flashing, headwall and sidewall flashings, valley gutters, copings, fascias, etc   | m2          | 337.97      |
|                | <b><u>0.6mm Saftal aluminium sheet</u></b>   |             |             |
| 799            | Cover flashing, headwall and sidewall flashings, valley gutters, copings, fascias, etc   | m2          | 844.49      |
|                | <b><u>2mm Mild steel</u></b>   |             |             |
| 800            | Box gutters, etc in varying sizes and shapes, including all laps, labours and sealing of joints, etc   | m2          | 1,379.48    |
| 801            | Extra over box gutters for stopped ends to gutters (measured to the nett area of the gutter size)  | m2          | 541.32      |
| 802            | Extra over box gutters for outlets of varying sizes and shapes   | No          | 276.97      |
|                | END OF BILL  |             |             |
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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>BILL No 11</u></b>  |             |             |
|                | <b><u>CARPENTRY WORK</u></b>  |             |             |
|                | <b><u>ROOF CONSTRUCTION</u></b>   |             |             |
|                | <b><u>Sawn Softwood Grade 4 with nailed or bolted connections</u></b>           |             |             |
| 803            | 22mm Gutter or valley boarding  | m2          | 623.81      |
| 804            | 38 x 50mm Timber in hangers, runners, etc                                       | m           | 37.97       |
| 805            | 38 x 76mm Timber in joists, hangers, runners, etc                               | m           | 54.68       |
| 806            | 38 x 114mm Timber in wall plates, rafters, beams, joists, hangers, runners, etc | m           | 76.40       |
| 807            | 38 x 152mm Timber in wall plates, rafters, beams, joists, hangers, runners, etc | m           | 99.55       |
| 808            | 38 x 228mm Timber in wall plates, rafters, beams, joists, hangers, runners, etc | m           | 166.21      |
| 809            | 50 x 76mm Purlins   | m           | 73.93       |
| 810            | 50 x 114mm Timber in wall plates, rafters, beams, joists, hangers, runners, etc | m           | 104.68      |
| 811            | 50 x 152mm Timber in wall plates, rafters, beams, joists, hangers, runners, etc | m           | 136.59      |
| 812            | 50 x 228mm Timber in wall plates, rafters, beams, joists, hangers, runners, etc | m           | 211.29      |
|                | <b><u>Wrot Softwood Grade 4</u></b>   |             |             |
| 813            | 47 x 69mm Purlins   | m           | 77.03       |
| 814            | 69 x 69mm Purlins   | m           | 112.98      |
|                | <b><u>Wrot Lamstock Grade 5 timber</u></b>                                      |             |             |
| 815            | 32 x 100mm Beams, rafters, etc in single lengths                                | m           | 137.20      |
| 816            | 32 x 133mm Beams, rafters, etc in single lengths                                | m           | 181.94      |
| 817            | 32 x 167mm Beams, rafters, etc in single lengths                                | m           | 222.12      |
| 818            | 45 x 167mm Beams, rafters, etc in single lengths                                | m           | 307.16      |
| 819            | 45 x 200mm Beams, rafters, etc in single lengths                                | m           | 356.04      |
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| 820                           | 45 x 233mm Beams, rafters, etc in single lengths   | m                 | 403.35      |
| 821                           | 70 x 233mm Beams, rafters, etc in single lengths   | m                 | 603.76      |
| 822                           | 70 x 267mm Beams, rafters, etc in single lengths   | m                 | 704.78      |
| 823                           | 70 x 300mm Beams, rafters, etc in single lengths   | m                 | 775.91      |
|                               | <b><u>Sundries</u></b>   |                   |             |
| 824                           | Extra for wrot face to sawn timber   | m2                | 26.10       |
| 825                           | Two coats creosote on sawn or wrot timbers   | m2                | 41.67       |
| 826                           | 1.6mm Galvanised hoop iron tie 30mm wide and 750mm girth wrapped around rafter and spiked to wall plate  | No                | 30.36       |
| 827                           | 50mm Diameter galvanised toothed timber connector  | No                | 35.82       |
| 828                           | Galvanised hurricane clip fixed to purlins   | No                | 28.26       |
| 829                           | Galvanised 90° truss hanger for 38mm timber  | No                | 61.79       |
| 830                           | Galvanised 90° truss hanger for 50mm timber  | No                | 81.77       |
|                               | <b><u>PREFABRICATED TIMBER ROOF TRUSSES</u></b>  |                   |             |
|                               | <b><u>NOTES :</u></b>  |                   |             |
| 1                             | Prices shall include for the supply, delivery, unloading , hoisting and erecting of the trusses, truly plumb and square on top of wall plates at the required centres and bracing as necessary during fixing .   |                   |             |
| 2                             | After fabrication all roof trusses are to be treated with an approved termite and insect poison solution before leaving the factory and the manufacturer of trusses must supply the Department of Works with a Certificate stating the brand of poison and that such poison has been applied in accordance with manufacturer's instructions.<br>No trusses will be accepted by the Department of Works unless this requirement is met. |                   |             |
| 3                             | Final designs of the roof trusses are to be submitted to the Department of Works for approval <b>before</b> commencement of fabrication .  |                   |             |
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|----------------|--|-------------|-------------|
| 4              | All timber is to be Grade 6.   |             |             |
| 5              | Rafters and ties passing through walls must be wrapped around with damp proof membrane.  |             |             |
|                | <b><u>Prefabricated single pitch roof trusses of Grade V/M6 timber with a pitch of not exceeding 10°</u></b>                               |             |             |
| 831            | Single pitched truss with a clear span of not exceeding 2m and an overhang of not exceeding 900mm at eaves                                 | No          | 1,195.47    |
| 832            | Single pitched truss with a clear span of exceeding 2m and not exceeding 4m and an overhang of not exceeding 900mm at eaves                | No          | 1,950.73    |
| 833            | Single pitched truss with a clear span of exceeding 4m and not exceeding 6m and an overhang of not exceeding 900mm at eaves                | No          | 3,429.28    |
|                | <b><u>Prefabricated double pitch roof trusses of Grade V/M6 timber with a pitch of not exceeding 10°</u></b>                               |             |             |
| 834            | Double pitched truss with a clear span of not exceeding 2m and an overhang of not exceeding 900mm at eaves on both sides                   | No          | 1,242.66    |
| 835            | Double pitched truss with a clear span of exceeding 2m and not exceeding 4m and an overhang of not exceeding 900mm at eaves on both sides  | No          | 2,036.61    |
| 836            | Double pitched truss with a clear span of exceeding 4m and not exceeding 6m and an overhang of not exceeding 900mm at eaves on both sides  | No          | 3,735.55    |
| 837            | Double pitched truss with a clear span of exceeding 6m and not exceeding 8m and an overhang of not exceeding 900mm at eaves on both sides  | No          | 4,820.27    |
| 838            | Double pitched truss with a clear span of exceeding 8m and not exceeding 10m and an overhang of not exceeding 900mm at eaves on both sides | No          | 5,753.68    |
|                | <b><u>Prefabricated single pitch roof trusses of Grade V/M6 timber with a pitch of exceeding 10° and not exceeding 25°</u></b>             |             |             |
| 839            | Single pitched truss with a clear span of not exceeding 2m and an overhang of not exceeding 900mm at eaves                                 | No          | 1,419.93    |
| 840            | Single pitched truss with a clear span of exceeding 2m and not exceeding 4m and an overhang of not exceeding 900mm at eaves                | No          | 2,169.58    |
| 841            | Single pitched truss with a clear span of exceeding 4m and not exceeding 6m and an overhang of not exceeding 900mm at eaves                | No          | 3,410.45    |
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|----------------|---|-------------|-------------|
|                | <b><u>Prefabricated double pitch roof trusses of Grade V/M6 timber with a pitch of exceeding 10 and not exceeding 25°</u></b>   |             |             |
| 842            | Double pitched truss with a clear span of not exceeding 2m and an overhang of not exceeding 900mm at eaves on both sides  | No          | 1,527.58    |
| 843            | Double pitched truss with a clear span of exceeding 2m and not exceeding 4m and an overhang of not exceeding 900mm at eaves on both sides   | No          | 2,387.81    |
| 844            | Double pitched truss with a clear span of exceeding 4m and not exceeding 6m and an overhang of not exceeding 900mm at eaves on both sides   | No          | 3,994.56    |
| 845            | Double pitched truss with a clear span of exceeding 6m and not exceeding 8m and an overhang of not exceeding 900mm at eaves on both sides   | No          | 5,164.41    |
| 846            | Double pitched truss with a clear span of exceeding 8m and not exceeding 10m and an overhang of not exceeding 900mm at eaves on both sides  | No          | 6,392.06    |
|                | <b><u>EAVES AND VERGES</u></b>  |             |             |
|                | <b><u>Sawn Softwood</u></b>   |             |             |
| 847            | 38 x 50mm Brandering in widths not exceeding 900mm wide at 450mm centres in one direction and at ends fixed to underside of or in between timber rafters and trusses  | m2          | 62.19       |
|                | <b><u>Medium density fibre cement fascias and bargeboards</u></b>   |             |             |
| 848            | 15mm Fascias and bargeboards 225mm wide plain finished with and including standard H-profile jointing strips and corner jointers fixed to ends of rafters and battens with and including 40 x 40 x 3mm mild steel angles 100mm long bolted to rafters | m           | 440.80      |
| 849            | 15mm Fascias and bargeboards 300mm wide plain finished with and including standard H-profile jointing strips and corner jointers fixed to ends of rafters and battens with and including 40 x 40 x 3mm mild steel angles 150mm long bolted to rafters | m           | 594.61      |
|                | <b><u>Medium density fibre cement flat boards</u></b>   |             |             |
| 850            | 6mm Flat sheet in eaves soffit linings not exceeding 900mm wide fixed to brandering (elsewhere measured) with butt joints between sheets  | m2          | 954.36      |
| 851            | Extra on flat sheeting to eaves soffits for 8 x 50mm wrot hardwood cover strips at joints between sheets and 19mm wrot hardwood quadrant beads at junctions with walls and rafters  | m2          | 64.00       |
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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>ROOF BOARDING</u></b>   |             |             |
|                | <b><u>Wattleboard</u></b>   |             |             |
| 852            | 22mm Thick tongued and grooved roof boarding in 100mm widths nailed to trusses or rafters at not exceeding 1000mm centres   | m2          | 560.20      |
|                | <b><u>SKIRTINGS</u></b>   |             |             |
|                | <b><u>Wrot Meranti</u></b>  |             |             |
| 853            | 19mm Quadrant bead planted on   | m           | 25.31       |
| 854            | 19 x 69mm Skirting plugged to walls   | m           | 70.47       |
| 855            | 19 x 69mm Skirting stepped to profile of treads and risers plugged to walls   | m           | 89.73       |
|                | <b><u>FRAMES, LININGS, BEADS, ETC</u></b>   |             |             |
|                | <b><u>Wrot Meranti</u></b>  |             |             |
| 856            | 19mm Quadrant bead planted on   | m           | 28.94       |
| 857            | 19mm Half round bead planted on   | m           | 33.70       |
| 858            | 47 x 69mm Rebated door or gate post countersunk plugged , screwed and pelleted to brickwork   | m           | 221.09      |
| 859            | 47 x 69mm Rebated door frame to suit 40mm door size 813 x 2032mm high countersunk plugged, screwed and pelleted to brickwork  | No          | 951.21      |
| 860            | 47 x 69mm Rebated door frame to suit 40mm door size 813 x 2032mm high with 300mm high rebated fanlight over and countersunk plugged, screwed and pelleted to brickwork  | No          | 2,249.78    |
| 861            | 47 x 69mm Rebated door frame to suit 40mm door size 1511 x 2032mm high countersunk plugged, screwed and pelleted to brickwork   | No          | 2,082.55    |
| 862            | 47 x 69mm Rebated door frame to suit 40mm door size 1511 x 2032mm high with 300mm high rebated fanlight over and countersunk plugged, screwed and pelleted to brickwork | No          | 3,574.27    |
| 863            | 69 x 102mm Rebated door frame to suit 40mm door size 813 x 2032mm high countersunk plugged, screwed and pelleted to wall  | No          | 1,561.94    |
| 864            | 69 x 102mm Rebated door frame to suit 40mm door size 813 x 2032mm high with 300mm high rebated fanlight over and countersunk plugged, screwed and pelleted to wall      | No          | 3,065.87    |
|                | Bill No. 13<br>CARPENTRY WORK   |             |             |
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| <u>Item No</u>   |   | <u>Unit</u> | <u>Rate</u> |
|--|---|-------------|-------------|
| 865  | 69 x 102mm Rebated door frame to suit 40mm door size 1511 x 2032mm high countersunk plugged, screwed and pelleted to wall   | No          | 2,780.65    |
| 866  | 69 x 102mm Rebated door frame to suit 40mm door size 1511 x 2032mm high with 300mm high rebated fanlight over and countersunk plugged, screwed and pelleted to wall | No          | 3,778.31    |
| <b><u>FLUSH DOORS</u></b>  |   |             |             |
| <b><u>40mm Thick hollow cored flush doors with hardboard covering on both sides and concealed hardwood edge strips</u></b> |   |             |             |
| 867  | Door size 762 x 2032mm high   | No          | 1,496.22    |
| 868  | Door size 813 x 2032mm high   | No          | 1,496.22    |
| 869  | Double door size 1511 x 2032mm high with rebated meeting stiles   | No          | 3,049.31    |
| <b><u>40mm Semi-solid flush doors with hardboard covering both sides and concealed hardwood edge strips</u></b>            |   |             |             |
| 870  | Door size 762 x 2032mm high   | No          | 2,159.82    |
| 871  | Door size 813 x 2032mm high   | No          | 2,073.46    |
| 872  | Double door size 1206 x 457mm high with rebated meeting stiles  | No          | 2,627.31    |
| 873  | Double door size 1206 x 2032mm high with rebated meeting stiles   | No          | 3,520.99    |
| 874  | Double door size 1511 x 457mm high with rebated meeting stiles  | No          | 2,987.10    |
| 875  | Double door size 1511 x 2032mm high with rebated meeting stiles   | No          | 4,260.82    |
| <b><u>40mm Semi-solid flush doors with hardwood veneer both sides and concealed hardwood edge strips</u></b>               |   |             |             |
| 876  | Door size 762 x 2032mm high   | No          | 3,215.99    |
| 877  | Door size 813 x 2032mm high   | No          | 3,036.50    |
| 878  | Double door size 1511 x 2032mm high with rebated meeting stiles   | No          | 5,016.28    |
| <b><u>44mm Solid laminated flush doors with hardwood veneer on both sides and concealed edge strips</u></b>                |   |             |             |
| 879  | Door size 762 x 2032mm high   | No          | 3,229.73    |
| Bill No. 13<br>CARPENTRY WORK<br><div style="text-align: right;">Initial here.....</div>                                   |   |             |             |

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|----------------|---|-------------|-------------|
| 880            | Door size 813 x 2032mm high   | No          | 3,231.05    |
| 881            | Double door size 1511 x 2032mm high with rebated meeting stiles   | No          | 5,650.05    |
|                | <b><u>"Bitcon Industries" fire doors with commercial veneer or other equal and approved</u></b>   |             |             |
| 882            | "Rubidor" class B fire door size 813 x 2032mm high with and including 1.6mm pressed steel door frame for 220mm brick wall and preparing frame for door closer and lock (elsewhere measured)   | No          | 12,950.43   |
|                | <b><u>FRAMED DOORS AND FANLIGHTS</u></b>  |             |             |
|                | <b><u>Wrot Meranti</u></b>  |             |             |
| 883            | 40mm Fanlight size 813 x 305mm high formed of 70mm framing open rebated around for glass (elsewhere measured) in one pane and fitted with 15 x 25mm glazing beads mitred around and bradded in  | No          | 1,318.16    |
| 884            | 40mm Fanlight size 1511 x 305mm high formed of 70mm framing open rebated around for glass (elsewhere measured) in one pane and fitted with 15 x 25mm glazing beads mitred around and bradded in   | No          | 2,087.51    |
| 885            | 50 x 58mm Moulded weather bar fitted to bottom of 813mm wide timber door  | No          | 210.86      |
| 886            | 44mm Framed, ledged, braced and battened door size 813 x 2032mm high formed of 44 x 108mm stiles and top rail, 22 x 108mm middle ledge, 22 x 228mm bottom ledge and 22 x 108mm diagonal braces and filled in with 22mm tongued, grooved and v-jointed vertical boarding in narrow matched widths  | No          | 4,761.47    |
| 887            | 44mm Framed, ledged, braced and battened double door size 1511 x 2032mm high overall in two equal leaves with rebated meeting stiles, each leaf formed of 44 x 108mm stiles and top rail, 22 x 108mm middle ledge, 22 x 228mm bottom ledge and 22 x 108mm diagonal braces and filled in with 22mm tongued, grooved and v-jointed vertical boarding in narrow matched widths   | No          | 9,360.75    |
| 888            | 44mm Framed, ledged, braced and battened double door size 1613 x 2032mm high overall in two equal leaves with rebated meeting stiles, each leaf formed of 44 x 108mm stiles and top rail, 22 x 108mm middle ledge, 22 x 228mm bottom ledge and 22 x 108mm diagonal braces and filled in with 22mm tongued, grooved and v-jointed vertical boarding in narrow matched widths   | No          | 9,750.49    |
| 889            | 44mm Framed, ledged, braced and battened flush back door size 813 x 2032mm high formed of 44 x 108mm stiles and top rail, 22 x 108mm middle ledge, 22 x 228mm bottom ledge and 22 x 108mm diagonal braces and filled in with 22mm tongued, grooved and v-jointed vertical boarding in narrow matched widths and the rear face covered with hardwood veneer plywood panels   | No          | 4,984.79    |
| 890            | 44mm Framed, ledged, braced and battened double door size 1511 x 2032mm high overall in two equal leaves with rebated meeting stiles, each leaf formed of 44 x 108mm stiles and top rail, 22 x 108mm middle ledge, 22 x 228mm bottom ledge and 22 x 108mm diagonal braces and filled in with 22mm tongued, grooved and v-jointed vertical boarding in narrow matched widths the rear face covered with hardwood veneer plywood panels | No          | 9,800.31    |
|                | Bill No. 13<br>CARPENTRY WORK   |             |             |
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|----------------|---|-------------|-------------|
| 891            | 44mm Framed, ledged, braced and battened double door size 1613 x 2032mm high overall in two equal leaves with rebated meeting stiles, each leaf formed of 44 x 108mm stiles and top rail, 22 x 108mm middle ledge, 22 x 228mm bottom ledge and 22 x 108mm diagonal braces and filled in with 22mm tongued, grooved and v-jointed vertical boarding in narrow matched widths the rear face covered with hardwood veneer plywood panels | No          | 10,190.31   |
|                | <b><u>TIMBER WINDOWS AND SLIDING DOORS</u></b>  |             |             |
|                | <b><u>Wrot hardwood top hung windows with a linseed oil-based transit stabilizing sealer and a seven year guarantee fixed in position in plastered openings in accordance with the manufacturer's instructions</u></b>  |             |             |
| 892            | Window type SD 1 size 545 x 600mm high (0.187m <sup>2</sup> glass area)   | No          | 2,973.62    |
| 893            | Window type SF 1 size 545 x 1155mm high (0.374m <sup>2</sup> glass area)  | No          | 4,733.39    |
| 894            | Window type SD 22 size 1045 x 600mm high (0.374m <sup>2</sup> glass area)   | No          | 6,094.05    |
| 895            | Window type SF 2 size 1045 x 1155mm high (0.858m <sup>2</sup> glass area)   | No          | 5,823.21    |
| 896            | Window type SF 3 size 1545 x 1155mm high (1.391m <sup>2</sup> glass area)   | No          | 6,254.01    |
|                | <b><u>Wrot hardwood side hung windows with a linseed oil-based transit stabilizing sealer and a seven year guarantee fixed in position in plastered openings in accordance with the manufacturer's instructions</u></b>   |             |             |
| 897            | Window type SC 1 size 545 x 900mm high (0.311m <sup>2</sup> glass area)   | No          | 2,990.42    |
| 898            | Window type SC 1F size 545 x 900mm high (0.317m <sup>2</sup> glass area)  | No          | 3,013.48    |
| 899            | Window type SB 1 size 545 x 1200mm high (0.431m <sup>2</sup> glass area)  | No          | 3,530.16    |
| 900            | Window type SC 2 size 1045 x 900mm high (0.679m <sup>2</sup> glass area)  | No          | 3,433.59    |
| 901            | Window type SC 22 size 1045 x 900mm high (0.622m <sup>2</sup> glass area)   | No          | 5,486.22    |
| 902            | Window type SB 2 size 1045 x 1200mm high (0.936m <sup>2</sup> glass area)   | No          | 4,558.55    |
| 903            | Window type SB 2F size 1045 x 1200mm high (0.884m <sup>2</sup> glass area)  | No          | 6,029.60    |
| 904            | Window type SA 2F size 1045 x 1500mm high (1.143m <sup>2</sup> glass area)  | No          | 6,822.01    |
| 905            | Window type SC 3 size 1545 x 900mm high (0.991m <sup>2</sup> glass area)  | No          | 6,370.34    |
| 906            | Window type SB 3F size 1545 x 1200mm high (1.315m <sup>2</sup> glass area)  | No          | 8,886.46    |
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|----------------|---|-------------|-------------|
|                | <b><u>Wrot hardwood small paned side hung windows with a linseed oil-based transit stabilizing sealer and a seven year guarantee fixed in position in plastered openings in accordance with the manufacturer's instructions</u></b> |             |             |
| 907            | Window type SD 1SP size 545 x 600mm high (0.165m <sup>2</sup> glass area)   | No          | 2,934.43    |
| 908            | Window type SD 22SP size 1045 x 600mm high (0.331m <sup>2</sup> glass area)   | No          | 5,197.78    |
| 909            | Window type SC 1SP size 545 x 900mm high (0.276m <sup>2</sup> glass area)   | No          | 3,522.22    |
| 910            | Window type SB 1FSP size 545 x 1200mm high (0.357m <sup>2</sup> glass area)   | No          | 4,591.17    |
| 911            | Window type SB 1SP size 545 x 1200mm high (0.382m <sup>2</sup> glass area)  | No          | 4,203.93    |
| 912            | Window type SC 2SP size 1045 x 900mm high (0.552m <sup>2</sup> glass area)  | No          | 5,333.91    |
| 913            | Window type SC 22SP size 1045 x 900mm high (0.552m <sup>2</sup> glass area)   | No          | 6,425.99    |
| 914            | Window type SB 2SP size 1045 x 1200mm high (0.764m <sup>2</sup> glass area)   | No          | 6,203.02    |
| 915            | Window type SB 22SP size 1045 x 1200mm high (0.764m <sup>2</sup> glass area)  | No          | 7,764.95    |
| 916            | Window type SA 2FSP size 1045 x 1500mm high (0.951m <sup>2</sup> glass area)  | No          | 9,349.77    |
| 917            | Window type SC 3SP size 1545 x 900mm high (0.828m <sup>2</sup> glass area)  | No          | 8,624.66    |
| 918            | Window type SB 3FSP size 1545 x 1200mm high (1.018m <sup>2</sup> glass area)  | No          | 12,544.01   |
|                | <b><u>Wrot hardwood sliding doors with frames with a linseed oil-based transit stabilizing sealer and a seven year guarantee fixed in position in plastered openings in accordance with the manufacturer's instructions</u></b>     |             |             |
| 919            | Sliding door with frame type SSD 1.8 size 1800 x 2140mm high (2.443m <sup>2</sup> glass area)   | No          | 22,222.82   |
| 920            | Sliding door with frame type SSD 2.1 size 2100 x 2140mm high (2.931m <sup>2</sup> glass area)   | No          | 22,560.01   |
| 921            | Sliding door with frame type SSDP 1.8 size 1800 x 2140mm high (2.083m <sup>2</sup> glass area)  | No          | 20,921.97   |
| 922            | Sliding door with frame type SSDP 2.1 size 2100 x 2140mm high (2.527m <sup>2</sup> glass area)  | No          | 19,942.75   |
|                | END OF BILL   |             |             |
|                | Bill No. 13<br>CARPENTRY WORK   |             |             |
|                | Initial here.....   |             |             |

| <u>Item<br/>No</u> |   | <u>Unit</u> | <u>Rate</u> |
|--------------------|---|-------------|-------------|
|                    | <b><u>BILL No 12</u></b>  |             |             |
|                    | <b><u>JOINERY WORK</u></b>  |             |             |
|                    | <b><u>NOTE :</u></b>  |             |             |
| 1                  | Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.  |             |             |
| 2                  | Particle board shall comply with the following specifications:<br>a) SABS 1300 Particle board: exterior and flooring type<br>b) SABS 1301 Particle board: interior type   |             |             |
| 3                  | Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of screw and bolt holes.  |             |             |
| 4                  | Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish. All particle or other pressed wood boards with a laminate finish must have a brown backing or balancing veneer on unexposed faces.  |             |             |
| 5                  | 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 <b><u>include</u></b> all components, assembling, housing, notching, gluing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finishes, glass, ironmongery, metalwork, paint finishes, etc as specified and prices must include herefore. |             |             |
| 6                  | All cupboard units are to sealed around with an approved silicone sealant at the joints between walls, floors and other finishes and fittings.  |             |             |
| 7                  | Worktops, where specified, are to be of 32mm particle board with Delta 90° postformed front edges with 'Formica' HPL or other equal and approved laminate on one side and balancing veneer on underside.  |             |             |
| 8                  | Doors, drawer fronts and drawer carcassess are to be of 16mm 'Melawood' or other equal and approved faced both sides with 3mm thick rigid 'Raukantex' or other equal and approved PVC edge strips all round.  |             |             |
| 9                  | Drawer carcasses are to have 6mm white faced tempered hardboard bottoms.  |             |             |
|                    | Bill No. 14<br>JOINERY WORK   |             |             |
|                    | Initial here.....   |             |             |

| <u>Item No</u>  |   | <u>Unit</u> | <u>Rate</u> |
|---|---|-------------|-------------|
| 10  | Handles are to be 'Union' AL5102-25AS cupboard door knobs 25mm diameter or other equal and approved.  |             |             |
| 11  | Doors not exceeding 900mm high are to be fitted with two 110° self closing hinges. Doors higher than 900mm are to have three hinges.  |             |             |
| 12  | Cupboard door locks where specified are to be cupboard cylinder locks. Where lockable cupboard doors are in two leaves, the one leaf is to have a lock as specified and the other leaf is to be fitted with two chromium plated necked cupboard barrel bolts and keeps.   |             |             |
| 13  | Drawers are to be fitted with suitable proprietary drawer slides.   |             |             |
| 14  | Sides, divisions, shelves and bottoms, etc are to be of 18mm 'Melawood' or other equal and approved faced both sides with 3mm thick rigid 'Raukantex' or other equal and approved PVC edge strips all round.  |             |             |
| 15  | Plinths are to be 100mm high with either solid softwood supporting bearers or a proprietary supporting system with adjustable feet. Plinth fronts are to be of two 18mm particle board with 'Deccon' CPL or other equal and approved facing or of 18mm Supawood or other equal and approved painted with and including two coats polyurethane enamel. |             |             |
| 16  | Prices must include for all necessary filler pieces, framing, etc.  |             |             |
|   | <b><u>SLATTED SEATING</u></b>   |             |             |
|   | <b><u>Wrot Meranti</u></b>  |             |             |
| 923   | Slatted seating of 32 x 47mm angle rounded slats at 65mm centres screwed to metal bearers (elsewhere measured) from underside   | m2          | 1,132.94    |
|   | <b><u>CHAIR AND BUMP RAILS</u></b>  |             |             |
|   | <b><u>Wrot Meranti</u></b>  |             |             |
| 924   | 22 x 200mm Chair rail countersunk plugged and screwed to wall   | m           | 250.99      |
|   | <b><u>Supawood or other equal and approved</u></b>  |             |             |
| 925   | 22 x 200mm Chair rail countersunk plugged and screwed to wall   | m           | 156.79      |
| <p>Bill No. 14<br/>JOINERY WORK</p> <p style="text-align: right;">Initial here.....</p> |   |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>PELMETS</u></b>  |             |             |
|                | <b><u>Wrot Meranti</u></b>   |             |             |
| 926            | Pelmet in varying lengths formed of 18 x 120mm top and 16 x 140mm fascia and ends housed together, including all mitres, etc | m           | 587.15      |
|                | <b><u>Supawood or other equal and approved</u></b>   |             |             |
| 927            | Pelmet in varying lengths formed of 18 x 120mm top and 16 x 140mm fascia and ends housed together, including all mitres, etc | m           | 310.78      |
|                | <b><u>GENERAL JOINERY, SHELVING, ETC</u></b>   |             |             |
|                | <b><u>Wrot Softwood</u></b>  |             |             |
| 928            | 22 x 32mm Bearers, rails, etc  | m           | 86.85       |
| 929            | 22 x 32mm Bearers, rails, etc plugged to walls   | m           | 96.75       |
| 930            | 22 x 47mm Bearers, rails, etc  | m           | 89.67       |
| 931            | 22 x 47mm Bearers, rails, etc plugged to walls   | m           | 100.88      |
|                | <b><u>Wrot Meranti</u></b>   |             |             |
| 932            | 6 x 16mm Edge strip planted on   | m           | 35.92       |
| 933            | 6 x 18mm Edge strip planted on   | m           | 36.39       |
| 934            | 12 x 16mm Edge strip planted on  | m           | 35.48       |
| 935            | 12 x 18mm Edge strip planted on  | m           | 48.57       |
| 936            | 22 x 32mm Bearers, rails, etc  | m           | 88.96       |
| 937            | 22 x 32mm Bearers, rails, etc plugged to walls   | m           | 94.28       |
| 938            | 22 x 47mm Bearers, rails, etc  | m           | 89.47       |
| 939            | 22 x 47mm Bearers, rails, etc plugged to walls   | m           | 93.76       |
|                | <b><u>Tempered hardboard</u></b>   |             |             |
| 940            | 3.2mm Hardboard in backs, bottoms, bases, etc planted on   | m2          | 205.57      |
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| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 941            | 3.2mm White hardboard in backs, bottoms, bases, etc planted on             | m2          | 240.58      |
| 942            | 6mm Hardboard in backs, bottoms, bases, etc planted on                     | m2          | 336.01      |
|                | <b><u>Commercial plywood</u></b>   |             |             |
| 943            | 3mm Plywood in panels cut to shapes and different sizes in panelling, etc  | m2          | 299.05      |
| 944            | 6mm Plywood in panels cut to shapes and different sizes in panelling, etc  | m2          | 354.42      |
| 945            | 12mm Plywood in panels cut to shapes and different sizes in panelling, etc | m2          | 451.89      |
|                | <b><u>Decorative plywood with hardwood veneers</u></b>                     |             |             |
| 946            | 3mm Plywood in panels cut to shapes and different sizes in panelling, etc  | m2          | 398.63      |
| 947            | 6mm Plywood in panels cut to shapes and different sizes in panelling, etc  | m2          | 572.07      |
|                | <b><u>Marine plywood to SABS 929</u></b>                                   |             |             |
| 948            | 4mm Plywood in panels cut to shapes and different sizes in panelling, etc  | m2          | 462.41      |
| 949            | 6mm Plywood in panels cut to shapes and different sizes in panelling, etc  | m2          | 664.12      |
| 950            | 12mm Plywood in panels cut to shapes and different sizes in panelling, etc | m2          | 1,032.71    |
|                | <b><u>Exterior grade plywood</u></b>                                       |             |             |
| 951            | 4mm Plywood in panels cut to shapes and different sizes in panelling, etc  | m2          | 445.38      |
| 952            | 6mm Plywood in panels cut to shapes and different sizes in panelling, etc  | m2          | 658.24      |
| 953            | 12mm Plywood in panels cut to shapes and different sizes in panelling, etc | m2          | 1,018.45    |
|                | <b><u>Wrot laminated shelving</u></b>                                      |             |             |
| 954            | 22mm Shelving 305mm wide fixed to bearers (bearers elsewhere measured)     | m           | 305.06      |
| 955            | 22mm Shelving 455mm wide fixed to bearers (bearers elsewhere measured)     | m           | 429.88      |
| 956            | 22mm Shelving 535mm wide fixed to bearers (bearers elsewhere measured)     | m           | 494.17      |
| 957            | 22mm Shelving 600mm wide fixed to bearers (bearers elsewhere measured)     | m           | 566.93      |
|                | Bill No. 14<br>JOINERY WORK  |             |             |
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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>Particle board to SABS 1300 with veneered edge strips along both edges</u></b>            |             |             |
| 958            | 16mm Shelving 305mm wide fixed to bearers (bearers elsewhere measured)                          | m           | 150.62      |
| 959            | 16mm Shelving 455mm wide fixed to bearers (bearers elsewhere measured)                          | m           | 203.23      |
| 960            | 16mm Shelving 535mm wide fixed to bearers (bearers elsewhere measured)                          | m           | 229.79      |
|                | <b><u>Particle board to SABS 1300</u></b>   |             |             |
| 961            | 16mm Ends, divisions, tops, sides, doors, etc   | m2          | 199.72      |
| 962            | 18mm Ends, divisions, tops, sides, doors, etc   | m2          | 253.55      |
|                | <b><u>Supawood or other approved interior grade medium density fibreboard</u></b>               |             |             |
| 963            | 16mm Ends, divisions, tops, sides, doors, etc   | m2          | 542.79      |
| 964            | 18mm Ends, divisions, tops, sides, doors, etc   | m2          | 601.99      |
|                | <b><u>Particle board to SABS 1300 with hardwood veneer both sides</u></b>                       |             |             |
| 965            | 16mm Ends, divisions, tops, sides, doors, etc   | m2          | 345.54      |
| 966            | 18mm Ends, divisions, tops, sides, doors, etc   | m2          | 451.10      |
|                | <b><u>Particle board to SABS 1300 with melamine impregnated paper both sides (MFB)</u></b>      |             |             |
| 967            | 16mm Ends, divisions, sides, etc  | m2          | 263.65      |
| 968            | 18mm Ends, divisions, sides, etc  | m2          | 339.56      |
|                | <b><u>Particle board to SABS 1300 with decorative melamine impregnated paper both sides</u></b> |             |             |
| 969            | 16mm Ends, divisions, tops, sides, doors, etc   | m2          | 313.43      |
| 970            | 18mm Ends, divisions, tops, sides, doors, etc   | m2          | 424.57      |
|                | Bill No. 14<br>JOINERY WORK   |             |             |
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| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>PINNING BOARDS</u></b>   |             |             |
|                | <b><u>NOTE :</u></b>   |             |             |
| 1              | Pinning boards are to have a 32 x 47mm rebated and splayed wrot hardwood frame around countersunk screwed and pelleted to walls at not exceeding 300mm centres all round.  |             |             |
| 2              | The frame is to varnished with a minimum of three coats polyurethane varnish or is to be primed with wood primer and painted with one coat universal undercoat and two coats satin eggshell enamel paint.                            |             |             |
| 3              | The frame is to be filled in with 12mm softboard sheeting set into the rebate of the frame and is to be glued to walls with a suitable contact adhesive. The softboard is to be primed and painted with two coats acrylic PVA paint. |             |             |
| 971            | Pinning board size 600 x 900mm high overall  | No          | 807.34      |
| 972            | Pinning board size 900 x 900mm high overall  | No          | 1,014.99    |
| 973            | Pinning board size 1200 x 900mm high overall   | No          | 1,289.61    |
| 974            | Pinning board size 1500 x 900mm high overall   | No          | 1,478.72    |
| 975            | Pinning board size 1000 x 1200mm high overall  | No          | 1,467.88    |
| 976            | Pinning board size 2400 x 1200mm high overall  | No          | 2,811.80    |
| 977            | Pinning board size 4800 x 1200mm high overall  | No          | 4,101.27    |
| 978            | Extra over 12mm softboard for 9mm polypropylene fibre foam backed pinning board material glued to wall (in lieu of softboard)  | m2          | 268.10      |
|                | <b><u>KITCHEN CUPBOARDS</u></b>  |             |             |
|                | <b><u>Wall Units</u></b>   |             |             |
| 979            | Wall unit type W300 size 300mm long, 600mm high and 300mm deep with one door and shelf   | No          | 1,810.50    |
| 980            | Wall unit type W450 size 450mm long, 600mm high and 300mm deep with one door and shelf   | No          | 2,197.25    |
| 981            | Wall unit type W600 size 600mm long, 600mm high and 300mm deep with one door and shelf   | No          | 2,767.74    |
| 982            | Wall unit type W900 size 900mm long, 600mm high and 300mm deep with two doors and shelf  | No          | 3,323.39    |
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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>Floor Units (work tops elsewhere measured)</u></b>  |             |             |
| 983            | Floor unit type F300/1 size 300mm long, 870mm high and 570mm deep with one drawer, one door and shelf                     | No          | 2,954.54    |
| 984            | Floor unit type F450/1 size 450mm long, 870mm high and 570mm deep with one drawer, one door and shelf                     | No          | 3,676.62    |
| 985            | Floor unit type F600/1 size 600mm long, 870mm high and 570mm deep with one drawer, one door and shelf                     | No          | 5,199.35    |
| 986            | Floor unit type F900/1 size 900mm long, 870mm high and 570mm deep with two drawers, two doors and shelf                   | No          | 5,724.16    |
| 987            | Floor unit type F450/5 size 450mm long, 870mm high and 570mm deep with five drawers                                       | No          | 5,925.97    |
| 988            | Floor sink unit type F900 S size 870mm long, 900mm high and 570mm deep with fixed front fascia, two doors and shelf       | No          | 6,108.19    |
| 989            | Floor sink unit type F1200 S size 1200mm long, 870mm high and 570mm deep with fixed front fascia, two doors and shelf     | No          | 7,113.22    |
| 990            | Floor sink unit type F1500 S size 1500mm long, 870mm high and 570mm deep with fixed front fascia, three doors and shelves | No          | 8,739.13    |
| 991            | Floor sink unit type F1800 S size 1800mm long, 870mm high and 570mm deep with fixed front fascia, four doors and shelves  | No          | 11,232.59   |
|                | <b><u>Storage Units</u></b>   |             |             |
| 992            | Broom cupboard unit type H450 B size 450mm long, 2000mm high and 570mm deep with one door and shelf                       | No          | 5,233.33    |
| 993            | Grocery cupboard unit type H450 G size 450mm long, 2000mm high and 570mm deep with one door and four shelves              | No          | 6,012.50    |
|                | <b><u>Sundries</u></b>  |             |             |
| 994            | Vertical filler piece not exceeding 100mm wide to 600mm high wall unit  | No          | 94.46       |
| 995            | Vertical filler piece not exceeding 100mm wide to 870mm high floor unit   | No          | 130.68      |
| 996            | Vertical filler piece not exceeding 100mm wide to 2000mm high storage unit  | No          | 245.13      |
|                | Bill No. 14<br>JOINERY WORK   |             |             |
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| <u>Item<br/>No</u> |   | <u>Unit</u> | <u>Rate</u> |
|--------------------|---|-------------|-------------|
|                    | <b><u>WORK TOPS GENERALLY</u></b>   |             |             |
|                    | <b><u>32mm Work tops with post formed front edges</u></b>                 |             |             |
| 997                | Work top 600mm wide   | m           | 1,037.61    |
| 998                | Extra over 600mm wide work top for right angle intersection               | No          | 618.27      |
| 999                | Extra over 600mm wide work top for opening for single or double bowl sink | No          | 247.75      |
| 1000               | Work top 800mm wide   | m           | 1,500.14    |
| 1001               | Extra over 800mm wide work top for right angle intersection               | No          | 764.14      |
|                    | END OF BILL   |             |             |
|                    | Bill No. 14<br>JOINERY WORK   |             |             |
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| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>BILL No 13</u></b>   |             |             |
|                | <b><u>CEILINGS AND PARTITIONS</u></b>  |             |             |
|                | <b>NOTE :</b>  |             |             |
| 1              | Prices for ceilings must allow for holes for light fittings and for strengthening branderling and / or galvanised suspension systems at openings for light fittings, airconditioning diffusers and the like as no extra costs will be paid in connection herewith. |             |             |
|                | <b><u>NAILED UP CEILINGS</u></b>   |             |             |
|                | <b><u>Sawn Softwood</u></b>  |             |             |
| 1002           | 38 x 38mm Branderling at 400mm centres in one direction at at joints and against walls   | m2          | 67.69       |
| 1003           | 38 x 50mm Branderling at 400mm centres in one direction at at joints and against walls   | m2          | 88.88       |
|                | <b><u>Wrot Meranti</u></b>   |             |             |
| 1004           | 8 x 50mm Cover strips planted on   | m           | 39.60       |
| 1005           | 19mm Quadrant bead planted on  | m           | 40.37       |
| 1006           | 19mm Half round bead planted on  | m           | 56.32       |
|                | <b><u>Softboard ceilings</u></b>   |             |             |
| 1007           | 12mm Softboard ceiling board in full length sheets fixed to branderling (elsewhere measured) with and including chamfered joints between sheets  | m2          | 268.07      |
| 1008           | 12mm Softboard ceiling board in full length sheets fixed to branderling (elsewhere measured) <u>with and including</u> 8 x 50mm wrot meranti cover strips over joints between sheets   | m2          | 300.35      |
| 1009           | Extra over softboard ceiling for trap door size 600 x 600mm formed of 32 x 47mm wrot softwood rebated framing around with cross bracing covered with 12mm softboard ceiling board and fitted into opening  | No          | 1,009.72    |
|                | <b><u>Gypsum plasterboard ceilings</u></b>   |             |             |
| 1010           | 9.5mm Gypsum plasterboard ceiling board in full length sheets fixed to branderling (elsewhere measured) with and including wire scrim and 'Rhinolite' skimmed over all joints between sheets   | m2          | 309.26      |
| 1011           | 9.5mm Gypsum plasterboard ceiling board in full length sheets fixed to branderling (elsewhere measured) <u>with and including</u> 8 x 50mm wrot meranti cover strips over joints between sheets  | m2          | 329.78      |
|                | Bill No. 15<br>CEILINGS AND PARTITIONS   |             |             |
|                | Initial here.....  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1012           | 9.5mm Gypsum plasterboard ceiling board in full length sheets fixed to and including galvanised proprietary suspension system including main and cross bearers, hangers, channels, angles, etc with and including wire scrim and 'Rhinolite' skimmed over all joints between sheets | m2          | 375.22      |
| 1013           | Extra over gypsum plasterboard ceiling for trap door size 600 x 600mm formed of 32 x 47mm wrot softwood rebated framing around with cross bracing covered with 9.5mm gypsum plasterboard ceiling board and fitted into opening  | No          | 1,025.19    |
|                | <b><u>Medium density fibre cement flat boards</u></b>   |             |             |
| 1014           | 4mm Fibrecement ceiling board in full length sheets fixed to brandering (elsewhere measured) with and including 8 x 50mm wrot meranti cover strips over joints between sheets   | m2          | 298.87      |
| 1015           | 6mm Fibrecement ceiling board in full length sheets fixed to brandering (elsewhere measured) with and including 8 x 50mm wrot meranti cover strips over joints between sheets   | m2          | 355.06      |
|                | <b><u>Cornices</u></b>  |             |             |
| 1016           | L-shaped softboard cornice formed of 12 x 75mm and 12 x 65mm softboard strips planted on  | m           | 96.77       |
| 1017           | 70mm Coved gypsum cornice planted on  | m           | 48.74       |
| 1018           | 75mm Coved fibrecement cornice planted on   | m           | 51.74       |
| 1019           | 18 x 69mm Wrot meranti angle rounded cornice planted on   | m           | 74.91       |
| 1020           | 18 x 100mm Supawood cornice plugged   | m           | 73.39       |
| 1021           | 18 x 100mm Supawood cornice plugged with one edge shaped to profile of IBR sheeting (elsewhere measured)  | m           | 78.61       |
| 1022           | 22 x 47mm Twice rebated and once splayed Supawood cornice plugged to walls  | m           | 64.38       |
|                | <b><u>METAL CEILINGS</u></b>  |             |             |
|                | <b><u>0.5mm IBR profile full hard galvanised steel troughed roofing with 0.8mm galvanised sheet steel accessories fixed in strict accordance with the manufacturer's instructions</u></b>   |             |             |
| 1023           | Ceilings in single length sheets fixed horizontally to underside of steel purlins (elsewhere measured)  | m2          | 448.64      |
| 1024           | Cornice of standard narrow and broad fluted closers pop-rivettted to profiled metal ceiling   | m           | 151.45      |
| 1025           | 100mm Wide horizontal closer plate pop-riveted to profiled metal sheeting   | m           | 223.46      |
|                | Bill No. 15<br>CEILINGS AND PARTITIONS  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1026           | Extra over ceiling for trap door size 600 x 600mm, the opening formed of 40 x 40 x 0.8mm galvanised sheet metal angle frame all round mitred and pop-riveted to profiled metal ceiling and 50 x 50 x 3mm mild steel angle frame all round mitred and welded together and to steel banding, the trap door formed of IBR profiled metal sheeting with 40 x 40 x 0.8mm galvanised sheet metal angle frame all round mitred and pop-riveted to profiled metal ceiling | No          | 1,331.15    |
|                | <b><u>SUSPENDED CEILINGS</u></b>  |             |             |
|                | <b><u>Proprietary suspended ceilings</u></b>  |             |             |
|                | 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 support inclusive of any flexibility in setting out that may be required.   |             |             |
|                | <b><u>12.5mm Gypsum vinyl covered fissured plasterboard ceiling board in panels size 600 x 600mm laid in and including proprietary galvanised suspension system including main and cross bearers, necessary hangers, channels, angles, grids, hold down clips, etc</u></b>  |             |             |
| 1027           | Ceilings suspended below steel purlins or concrete slabs  | m2          | 543.48      |
| 1028           | Horizontal bulkheads in narrow widths not exceeding 300mm wide  | m2          | 643.08      |
| 1029           | Vertical bulkheads  | m2          | 637.61      |
| 1030           | Vertical bulkheads in narrow widths not exceeding 300mm wide  | m2          | 694.82      |
|                | <b><u>Extra over 12.5mm gypsum vinyl covered fissured suspended ceilings for the following suspended ceiling boards</u></b>   |             |             |
| 1031           | Extra over for 12.5mm Gypsum vinyl covered fissured plasterboard ceiling board size 600 x 1200mm  | m2          | 245.96      |
| 1032           | Extra over for 15mm 'Prima Plain' ceiling panels size 600 x 600mm   | m2          | 338.61      |
| 1033           | Extra over for 15mm 'Prima Plain' ceiling panels size 600 x 1200mm  | m2          | 367.82      |
| 1034           | Extra over for 15mm 'Prima Dune Plus' ceiling panels size 600 x 600mm   | m2          | 374.84      |
| 1035           | Extra over for 15mm 'Prima Dune Plus' ceiling panels size 600 x 1200mm  | m2          | 407.59      |
| 1036           | Extra over for 15mm 'OWAcoustic Constellation 3' ceiling panels size 600 x 600mm  | m2          | 316.59      |
| 1037           | Extra over for 15mm 'OWAcoustic Constellation 3' ceiling panels size 600 x 1200mm   | m2          | 352.00      |
| 1038           | Extra over for 15mm 'OWAcoustic Futura 60' ceiling panels size 600 x 600mm  | m2          | 354.93      |
|                | Bill No. 15<br>CEILINGS AND PARTITIONS  |             |             |
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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1039           | Extra over for 15mm 'OWAcoustic Futura 60' ceiling panels size 600 x 1200mm   | m2          | 407.81      |
|                | <b><u>Cornices to suspended ceilings</u></b>  |             |             |
| 1040           | LSM 25 shadowline cornice plugged to walls  | m           | 67.04       |
|                | <b><u>CEILING INSULATION</u></b>  |             |             |
|                | <b><u>Flexible non-combustible lightweight fibreglass reinforced insulation blanket</u></b>   |             |             |
| 1041           | 50mm Thick ceiling insulation blanket closely fitted with ends butted firmly and laid loose on top of branderling between roof timbers  | m2          | 103.60      |
|                | <b><u>DRYWALL PARTITIONING</u></b>  |             |             |
|                | <b><u>NOTE:</u></b>   |             |             |
|                | 1. The partitioning shall comprise steel studding formed of 65mm top and bottom tracks with vertical studs at maximum 600mm centres, friction fitted or pop-riveted to the top and bottom tracks with similar additional vertical studs as necessary at abutments, ends, etc and covered as described with wallboard screwed to studding with drywall screws at maximum 220mm centres. Boards are to be 12.7mm gypsum plasterboard butt jointed and finished with "Rhino" tape and "Readymix D" jointing compound all in accordance with the manufacturer's instructions. Intersections and abutments are measured separately and descriptions shall be deemed to include any additional studs, corner beads, jointing compound, tape, etc. |             |             |
|                | 2. Paint and other finishes are measured elsewhere.   |             |             |
|                | 3. Glazed sections within partitions shall comprise aluminium glazing sections and be divided into fixed panels with aluminium mullions at centres as indicated with panels glazed with 4mm clear float glass including neoprene glazing gaskets.   |             |             |
|                | 4. Door frames shall be standard natural anodised aluminium door frames with three 100mm nylon washered aluminium hinges and shall allow for any additional studding, trimming, etc.as may be necessary.  |             |             |
|                | 5. Doors, ironmongery and paint finishes to doors are seperately measured.  |             |             |
|                | 6. Prices must include for 75mm high natural anodised aluminium skirtings to both sides of partitions.  |             |             |
|                | <b><u>Drywall steel stud partitioning with bottom track plugged and top track fixed to underside of ceiling and covered with gypsum plasterboard on both sides</u></b>  |             |             |
| 1042           | Partition 2.4m high solid full height   | m           | 3,139.85    |
|                | Bill No. 15<br>CEILINGS AND PARTITIONS  |             |             |
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| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 1043           | Extra over partition 2.4m high for vertical abutment with structure  | No          | 420.26      |
| 1044           | Extra over partition 2.4m high for corner  | No          | 383.54      |
| 1045           | Extra over partition 2.4m high for T-intersection  | No          | 440.04      |
| 1046           | Extra over partition 2.4m high for free standing end   | No          | 480.25      |
| 1047           | Partition 2.7m high solid full height  | m           | 3,668.35    |
| 1048           | Extra over partition 2.7m high for vertical abutment with structure  | No          | 465.30      |
| 1049           | Extra over partition 2.7m high for corner  | No          | 457.59      |
| 1050           | Extra over partition 2.7m high for T-intersection  | No          | 485.25      |
| 1051           | Extra over partition 2.7m high for free standing end   | No          | 463.57      |
| 1052           | Extra over partition for glazed panel 600mm high above 2.1m high glazed with 4mm clear float glass   | m           | 689.00      |
| 1053           | Extra over partition for frame for single door size 813 x 2032mm high  | No          | 1,946.83    |
| 1054           | Extra over partition for frame for double door size 1511 x 2032mm high   | No          | 4,241.77    |
| 1055           | Extra over partition for glazed panel size 1000 x 1000mm high  | No          | 2,326.12    |
|                | <b><u>Drywall steel stud partitioning with bottom track plugged and top track fixed to underside of ceiling and covered with gypsum Fire Stop plasterboard with a one hour fire rating on both sides and the cavity filled with a fibre fire retardant blanket</u></b> |             |             |
| 1056           | Partition 2.7m high solid full height  | m           | 4,293.07    |
| 1057           | Extra over partition 2.7m high for vertical abutment with structure  | No          | 516.70      |
| 1058           | Extra over partition 2.7m high for corner  | No          | 472.97      |
| 1059           | Extra over partition 2.7m high for T-intersection  | No          | 498.46      |
| 1060           | Extra over partition 2.7m high for free standing end   | No          | 559.70      |
| 1061           | Extra over partition for glazed panel 600mm high above 2.1m high glazed with 4mm clear float glass   | m           | 860.29      |
| 1062           | Extra over partition for frame for single door size 813 x 2032mm high  | No          | 1,986.41    |
|                | Bill No. 15<br>CEILINGS AND PARTITIONS<br><div style="text-align: right;">Initial here.....</div>  |             |             |

| <u>Item No</u>                         |   | <u>Unit</u> | <u>Rate</u> |
|--|---|-------------|-------------|
| 1063                                   | Extra over partition for frame for double door size 1511 x 2032mm high  | No          | 3,990.79    |
| 1064                                   | Extra over partition for glazed panel size 1000 x 1000mm high   | No          | 1,864.27    |
| <b><u>REMOUNTABLE PARTITIONING</u></b> |   |             |             |
| <b><u>NOTE :</u></b>                   |   |             |             |
| 1                                      | Demountable partitions are have an overall thickness of 76mm comprising 74mm wide galvanised steel backed track and unbacked track for the floor, wall and ceiling tracks, plugged, screwed or fixed with adhesive tape with vertical studs at maximum 600mm centres. The partition is to be covered with one layer of 12,5mm thick square-edged gypsum plasterboard in 1200mm modules covered with an approved vinyl fabric on each side retained in position with a batten clipped into the studding. All all external angles to have corner beads attached and all joints to be covered with RhinoTape and two layers of RhinoGlide applied and lightly sanded down. |             |             |
| 2.                                     | Glazed sections within partitions shall comprise aluminium glazing sections and be divided into fixed panels with aluminium mullions at centres as indicated with panels glazed with 6.76mm NS clear laminated safety glass including neoprene glazing gaskets.   |             |             |
| 3.                                     | Door frames shall be standard natural anodised aluminium door frames with three 100mm nylon washered aluminium hinges and shall allow for any additional studding, trimming, etc.as may be necessary.   |             |             |
| 4.                                     | Doors, ironmongery and paint finishes to doors are seperately measured.   |             |             |
| 5.                                     | Prices must include for 75mm high natural anodised aluminium skirtings to both sides of partitions.   |             |             |
| 1065                                   | Partition 2.7m high solid full height   | m           | 5,121.19    |
| 1066                                   | Extra over partition 2.7m high for vertical abutment with structure   | No          | 599.04      |
| 1067                                   | Extra over partition 2.7m high for corner   | No          | 533.60      |
| 1068                                   | Extra over partition 2.7m high for T-intersection   | No          | 585.70      |
| 1069                                   | Extra over partition 2.7m high for free standing end  | No          | 683.70      |
| 1070                                   | Extra over partition for glazed panel 600mm high above 2.1m high glazed with 4mm clear float glass  | m           | 850.67      |
| 1071                                   | Extra over partition for frame for single door size 813 x 2032mm high   | No          | 2,053.43    |
| 1072                                   | Extra over partition for frame for double door size 1511 x 2032mm high  | No          | 3,805.17    |
| Bill No. 15                            |   |             |             |
| CEILINGS AND PARTITIONS                |   |             |             |
| Initial here.....                      |   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1073           | Extra over partition for glazed panel size 1000 x 1000mm high   | No          | 1,630.67    |
|                | <b><u>TOILET PARTITIONING</u></b>   |             |             |
|                | <b>NOTE :</b>   |             |             |
| 1              | Toilet partition systems are to comprise 16mm thick particle board panels laminated on both sides with a decorative laminated finish edged all round with 22 x 22mm lipped channel and are to be fixed into position by means of full height vertical aluminium receiving channels plugged to walls.  |             |             |
| 2              | Partitions are to be supported by a continuous 25 x 25mm aluminium transome section over doors and supplied with standard ironmongery comprising indicator bolts, hat and coat hooks, doors stops, toilet roll holders and rubber buffers. All exposed aluminium sections are to be natural anodised. |             |             |
| 3              | Partition doors are to be size 750 x 1800mm high framed door including standard ironmongery.  |             |             |
| 1074           | Toilet partition size 1500 x 1800mm high  | No          | 4,172.84    |
| 1075           | Toilet partition size 1700 x 1800mm high  | No          | 4,604.65    |
| 1076           | Full stile size 210 x 1800mm high   | No          | 1,043.89    |
| 1077           | Wall stile size 105 x 1800mm high   | No          | 739.71      |
| 1078           | End stile size 145 x 1800mm high  | No          | 908.87      |
| 1079           | Door size 750 x 1800mm high complete with all ironmongery as specified  | No          | 3,737.29    |
|                | END OF BILL   |             |             |
|                | Bill No. 15<br>CEILINGS AND PARTITIONS  |             |             |
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|----------------|--|-------------|-------------|
|                | <b><u>BILL No 14</u></b>   |             |             |
|                | <b><u>FLOOR COVERINGS, WALL LININGS, ETC</u></b>   |             |             |
|                | <b><u>FLOOR COVERINGS</u></b>  |             |             |
|                | <b><u>300 x 300 x 2.5mm Semi flexible vinyl tiles to patterns in differing colours fixed with an adhesive recommended by and laid in strict accordance with the manufacturer's instructions</u></b>          |             |             |
| 1080           | Floors   | m2          | 725.22      |
| 1081           | Treads and risers  | m2          | 766.38      |
|                | <b><u>300 x 300 x 2mm Fully flexible vinyl tiles to patterns in differing colours fixed with an adhesive recommended by and laid in strict accordance with the manufacturer's instructions</u></b>           |             |             |
| 1082           | Floors   | m2          | 660.80      |
| 1083           | Treads and risers  | m2          | 689.95      |
|                | <b><u>2mm Fully flexible vinyl sheeting with welded joints fixed with an adhesive recommended by and laid in strict accordance with the manufacturer's instructions</u></b>                                  |             |             |
| 1084           | Floors   | m2          | 749.23      |
| 1085           | Treads and risers  | m2          | 806.56      |
| 1086           | Extra for coved turn-up next walls not exceeding 300mm girth   | m           | 295.04      |
|                | <b><u>3.5mm Heavy duty embossed fully flexible vinyl sheeting with welded joints fixed with an adhesive recommended by and laid in strict accordance with the manufacturer's instructions</u></b>            |             |             |
| 1087           | Floors   | m2          | 976.81      |
| 1088           | Treads and risers  | m2          | 1,037.60    |
| 1089           | Extra for coved turn-up next walls not exceeding 300mm girth   | m           | 393.58      |
|                | <b><u>608 x 608 x 2mm Electrostatic conductive vinyl tiles to patterns in differing colours fixed with an adhesive recommended by and laid in strict accordance with the manufacturer's instructions</u></b> |             |             |
| 1090           | Floors   | m2          | 1,516.33    |
|                | Bill No. 16<br>FLOOR COVERINGS, WALL LININGS, ETC  |             |             |
|                | Initial here.....  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1091           | Treads and risers<br><br><b><u>2.5mm Thick "Marmoleum" fully flexible linoleum floor sheeting with welded joints fixed with an adhesive recommended by and laid in strict accordance with the manufacturer's instructions</u></b>             | m2          | 1,624.99    |
| 1092           | Floors<br><br><b><u>500 x 500 x 8mm 'Florpoint' heavy duty carpet tiles fixed with an adhesive recommended by and laid in strict accordance with the manufacturer's instructions</u></b>  | m2          | 1,989.46    |
| 1093           | Floors  | m2          | 652.60      |
| 1094           | Treads and risers<br><br><b><u>Approved needle punched plain resin backed carpet heavy residential grade broadloom carpeting fixed with an adhesive recommended by and laid in strict accordance with the manufacturer's instructions</u></b> | m2          | 613.20      |
| 1095           | Floors  | m2          | 473.99      |
| 1096           | Treads and risers<br><br><b><u>Woven pile broadloom carpeting including underfelt fixed by an approved installer in strict accordance with the manufacturer's instructions</u></b>  | m2          | 517.48      |
| 1097           | Heavy residential / light commercial grade carpeting with underlay on floors (Belgotex Matador, Belgotex Bolero, Nouwens Berber Look)   | m2          | 994.40      |
| 1098           | Medium commercial grade carpeting with underlay on floors (Nouwens Kirman)  | m2          | 1,719.95    |
| 1099           | Heavy commercial grade carpeting with underlay on floors (Nouwens Madison Square)   | m2          | 1,473.65    |
|                | <b><u>WALL LININGS</u></b>  |             |             |
|                | <b><u>1.25mm Fully flexible vinyl sheeting with welded joints fixed with an adhesive recommended by and laid in strict accordance with the manufacturer's instructions</u></b>  |             |             |
| 1100           | Walls<br><br><b><u>SKIRTINGS, NOSINGS, HANDRAILS, ETC</u></b>   | m2          | 791.73      |
| 1101           | Vinyl coved fillet size 14 x 35mm   | m           | 127.79      |
| 1102           | 70mm Coved vinyl base skirting  | m           | 117.13      |
| 1103           | 150mm Coved vinyl base skirting   | m           | 444.29      |
|                | Bill No. 16<br>FLOOR COVERINGS, WALL LININGS, ETC<br><br>Initial here.....  |             |             |

| <u>Item No</u>   |  | <u>Unit</u> | <u>Rate</u> |
|--|--|-------------|-------------|
| 1104   | Vinyl capping strip size 6 x 35mm high   | m           | 169.98      |
| 1105   | Vinyl handrail covering size 50 x 6mm  | m           | 353.69      |
| 1106   | Combined vinyl tread and stair nosing with ribbed tread pattern                                      | m           | 926.81      |
| <b><u>WALL PROTECTION BUMPER RAIL SYSTEM</u></b>   |  |             |             |
| <b><u>Marley Intrad PVC wall protection system</u></b>   |  |             |             |
| 1107   | 200mm Bumper rail fixed to walls with and including standard brackets at not exceeding 400mm centres | m           | 856.17      |
| 1108   | Extra over for rebated timber backing rail to suit PVC bumper rail plugged and screwed to walls      | m           | 427.65      |
| 1109   | Extra over for stop end  | No          | 378.55      |
| 1110   | Extra over for external corner   | No          | 515.75      |
| 1111   | Extra over for door protector  | No          | 559.65      |
| 1112   | Extra over for jointing block (only required if there is no timber backing piece)                    | No          | 140.99      |
| <b><u>POLISH, SEALERS, ETC</u></b>   |  |             |             |
| 1113   | Two coats water based floor dressing on vinyl flooring   | m2          | 68.85       |
| 1114   | Two coats wax polish on vinyl flooring   | m2          | 72.33       |
| END OF BILL  |  |             |             |
| <div> <div>Bill No. 16</div> <div>FLOOR COVERINGS, WALL LININGS, ETC</div> <div>Initial here.....</div> </div> |  |             |             |

| <u>Item<br/>No</u> |  | <u>Unit</u> | <u>Rate</u> |
|--------------------|--|-------------|-------------|
|                    | <b><u>BILL No 15</u></b>   |             |             |
|                    | <b><u>IRONMONGERY</u></b>  |             |             |
|                    | <b><u>NOTE :</u></b>   |             |             |
| 1                  | Prices must allow for fixing to timber, steel and plastered or tiled walls as may be necessary.  |             |             |
| 2                  | All locks are to be supplied with two keys. Keys are to be clearly marked and labelled with the correct door numbers. It is the responsibility of the Contractor to hand over all the keys to the Regional Representative of the Department of Works. All keys handed over must be signed for by the Regional Representative. No keys are to be handed over to the occupants of the buildings. |             |             |
|                    | <b><u>HINGES</u></b>   |             |             |
| 1115               | 19mm Brassed or chromium plated piano hinges cut to lengths and screwed to timber  | m           | 81.24       |
| 1116               | 76mm Steel weld-on hinge   | No          | 76.78       |
| 1117               | 100mm Steel weld-on hinge  | No          | 132.30      |
| 1118               | 100 x 75mm Brass butt hinge with brass pin and nylon washers   | No          | 365.14      |
| 1119               | 100 x 150mm Brass heavy duty projecting hinge  | No          | 268.78      |
| 1120               | 100 x 200mm Brass heavy duty projecting hinge  | No          | 373.53      |
| 1121               | 100 x 75mm Brass self-closing butt hinge   | No          | 259.35      |
| 1122               | 100 x 75mm Aluminium butt hinge with aluminium pin and nylon washers   | No          | 98.90       |
| 1123               | 100 x 75mm Stainless steel butt hinge with stainless steel pin and nylon washers   | No          | 224.07      |
| 1124               | 100mm Brass counterflap hinge  | No          | 267.48      |
| 1125               | 36 x 60mm Brass backflap hinge   | No          | 191.52      |
| 1126               | 76 x 76mm Brass parliament hinge   | No          | 250.26      |
| 1127               | 100 x 100mm Brass parliament hinge   | No          | 532.57      |
| 1128               | 38 x 29mm Polished brass lift-off hinge  | No          | 226.58      |
|                    | Bill No. 17<br>IRONMONGERY   |             |             |
|                    | Initial here.....  |             |             |



| <u>Item No</u>  |  | <u>Unit</u> | <u>Rate</u> |
|---|--|-------------|-------------|
| 1129  | 100mm Single action zinc plated steel coil spring hinges | No          | 542.59      |
| 1130  | 100mm Double action zinc plated steel coil spring hinges | No          | 793.73      |
| 1131  | 110° Chromium plated self-closing cupboard door hinge    | No          | 156.26      |
| <b><u>BARREL BOLTS AND FLUSH BOLTS</u></b>  |  |             |             |
| 1132  | 76mm Brass barrel bolt and keep                          | No          | 106.65      |
| 1133  | 100mm Brass barrel bolt and keep                         | No          | 109.93      |
| 1134  | 150mm Brass barrel bolt and keep                         | No          | 148.53      |
| 1135  | 50mm Chrome plated brass barrel bolt and keep            | No          | 474.98      |
| 1136  | 75mm Chrome plated brass barrel bolt and keep            | No          | 131.95      |
| 1137  | 50mm Brass necked barrel bolt and keep                   | No          | 84.66       |
| 1138  | 75mm Brass necked barrel bolt and keep                   | No          | 203.57      |
| 1139  | 150mm Anodised silver flush bolt and keep                | No          | 276.13      |
| 1140  | 200m Anodised silver flush bolt and keep                 | No          | 296.13      |
| <b><u>CATCHES, CABIN HOOKS, ETC</u></b>   |  |             |             |
| 1141  | Single roller catch                                      | No          | 37.54       |
| 1142  | Double roller catch                                      | No          | 41.73       |
| 1143  | Heavy duty magnetic door catch                           | No          | 149.12      |
| 1144  | 76mm Brass cabin hook and eye                            | No          | 140.09      |
| 1145  | 100mm Brass cabin hook and eye                           | No          | 148.67      |
| 1146  | 76mm Chrome plated cabin hook and eye                    | No          | 166.10      |
| 1147  | 100mm Chrome plated cabin hook and eye                   | No          | 178.24      |
| 1148  | 100 x 38mm Satin chrome finished hasp and staple         | No          | 162.14      |
| 1149  | 100 x 38mm Brass hasp and staple                         | No          | 168.25      |
| Bill No. 17<br>IRONMONGERY<br><div style="text-align: right;">Initial here.....</div> |  |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 1150           | 200mm Heavy duty galvanised padbolt and keep                                       | No          | 146.06      |
| 1151           | Black japanned door holder and catch fixed to wall and door                        | No          | 645.35      |
|                | <b><u>HANDLES, ETC</u></b>   |             |             |
| 1152           | 32mm Satin chrome plated concave drawer knob                                       | No          | 238.81      |
| 1153           | 75mm Satin chrome plated bow handle  | No          | 116.14      |
| 1154           | 100mm Satin chrome plated bow handle   | No          | 106.98      |
| 1155           | 50 x 100mm Stainless steel flush pull handle                                       | No          | 182.94      |
|                | <b><u>DOOR LOCKS</u></b>   |             |             |
|                | <b><u>Padlocks</u></b>   |             |             |
| 1156           | 55mm Solid hardened 6-pin steel padlock  | No          | 651.53      |
| 1157           | 50mm Brass long shackle 6-pin padlock  | No          | 635.39      |
| 1158           | 50mm Brass standard shackle 6-pin padlock  | No          | 498.84      |
| 1159           | 50mm Brass standard shackle 6-pin key retaining padlock                            | No          | 550.50      |
| 1160           | 75mm Solid hardened 6-pin steel slide bolt padlock                                 | No          | 1,421.81    |
|                | <b><u>Mortice locks</u></b>  |             |             |
| 1161           | Two lever upright mortice lock with stainless steel forend                         | No          | 262.54      |
| 1162           | Three lever upright mortice lock with stainless steel forend                       | No          | 307.05      |
| 1163           | Four lever upright mortice lock with stainless steel forend                        | No          | 372.32      |
| 1164           | Four lever upright mortice deadlock with stainless steel forend                    | No          | 383.19      |
| 1165           | Four lever upright mortice claw bolt sliding door lock with stainless steel forend | No          | 746.11      |
| 1166           | Bathroom / WC upright mortice lock with stainless steel forend                     | No          | 490.45      |
| 1167           | Rebate conversion for upright mortice lock   | No          | 271.34      |
|                | Bill No. 17<br>IRONMONGERY   |             |             |
|                | Initial here.....  |             |             |

| <u>Item<br/>No</u> |  | <u>Unit</u> | <u>Rate</u> |
|--------------------|--|-------------|-------------|
|                    | <b><u>Cylinder locks</u></b>   |             |             |
| 1168               | Cylinder rim night latch (anti-credit card type) with cylinder                                     | No          | 818.14      |
| 1169               | Oval single cylinder lock with oval profile lock case and brass forend                             | No          | 1,535.17    |
| 1170               | Oval double cylinder lock with oval profile lock case and brass forend                             | No          | 1,618.98    |
| 1171               | Oval knob cylinder lock with oval profile lock case and brass forend                               | No          | 1,571.19    |
| 1172               | Euro profile single cylinder lock with Euro profile lock case and brass forend                     | No          | 1,012.64    |
| 1173               | Euro profile double cylinder lock with Euro profile lock case and brass forend                     | No          | 995.18      |
| 1174               | Euro profile knob cylinder lock with Euro profile lock case and brass forend                       | No          | 1,160.69    |
| 1175               | Euro profile double cylinder lock with Euro profile <u>narrow stile</u> lock case and brass forend | No          | 928.15      |
| 1176               | Rebate conversion for cylinder lock  | No          | 330.46      |
|                    | <b><u>Cupboard and drawer locks</u></b>  |             |             |
| 1177               | 51mm Brass plated two lever straight cupboard lock   | No          | 84.55       |
| 1178               | 76mm Brass plated two lever straight cupboard lock   | No          | 199.49      |
| 1179               | 32mm Brass plated cylinder cupboard lock   | No          | 715.55      |
| 1180               | 38mm Brass plated cylinder drawer lock   | No          | 701.17      |
|                    | <b><u>DOOR FURNITURE</u></b>   |             |             |
| 1181               | 'Union Gower' lever furniture (pair) with standard keyhole   | Sets        | 677.57      |
| 1182               | 'Union Gower' lever furniture (pair) with cylinder keyhole   | Sets        | 746.07      |
| 1183               | 'Union Gower' lever furniture (pair) with bathroom / wc indicator                                  | Sets        | 890.06      |
| 1184               | 'Union Protea' lever furniture (pair) with standard keyhole  | Sets        | 1,787.83    |
| 1185               | 'Union Protea' lever furniture (pair) with cylinder keyhole  | Sets        | 1,794.77    |
| 1186               | 'Union Protea' lever furniture (pair) with bathroom / wc indicator                                 | Sets        | 1,654.78    |
| 1187               | 'Union Waterbok' lever furniture (pair) with standard keyhole                                      | Sets        | 1,282.87    |
|                    | Bill No. 17<br>IRONMONGERY   |             |             |
|                    | Initial here.....  |             |             |

| <u>Item No</u>  |   | <u>Unit</u> | <u>Rate</u> |
|---|---|-------------|-------------|
| 1188  | 'Union Waterbok' lever furniture (pair) with cylinder keyhole   | Sets        | 1,280.11    |
| 1189  | 'Union Waterbok' lever furniture (pair) with bathroom / wc indicator  | Sets        | 1,298.23    |
| <b><u>DOOR CLOSERS AND FLOOR SPRINGS</u></b>  |   |             |             |
| 1190  | 'Dorma' TS 73 overhead door closer with satin anodised aluminium finish including bracket fixed to timber door and pressed steel frame including all necessary tapping pieces | No          | 5,242.21    |
| 1191  | 'Dorma' BTS 75 silver anodised single action floor spring with hold-open device complete  | No          | 10,197.23   |
| 1192  | 'Dorma' BTS 75 silver anodised double action floor spring with hold-open device complete  | No          | 10,141.12   |
| <b><u>KICKING PLATES</u></b>  |   |             |             |
| 1193  | 2mm Natural anodised aluminium kicking or push plate size 810 x 150mm eight times screwed to doors with countersunk round headed screws                                       | No          | 643.07      |
| 1194  | 2mm Natural anodised aluminium kicking or push plate size 810 x 300mm eight times screwed to doors with countersunk round headed screws                                       | No          | 804.34      |
| <b><u>LETTERS, NAMEPLATES, ETC</u></b>  |   |             |             |
| <b><u>Door number plates</u></b>  |   |             |             |
| 1195  | 1.2mm Natural anodised aluminium room number plate size 50 x 25mm with 15mm high engraved and painted numerals or letters twice holed and screwed to steel or timber          | No          | 137.10      |
| <b><u>Pictogram signs four times countersunk screwed to timber</u></b>                |   |             |             |
| 1196  | 120 x 120mm Natural anodised aluminium plate with male or female symbol   | No          | 243.14      |
| 1197  | 120 x 120mm Natural anodised aluminium plate with male and female symbol  | No          | 243.14      |
| 1198  | 120 x 120mm Natural anodised aluminium plate with disabled symbol   | No          | 243.14      |
| 1199  | 120 x 120mm Natural anodised aluminium plate with non-smoking symbol  | No          | 243.14      |
| 1200  | 120 x 120mm Natural anodised aluminium plate with high voltage symbol   | No          | 243.14      |
| 1201  | 120 x 120mm Natural anodised aluminium plate with fire hose reel or fire extinguisher symbol  | No          | 243.14      |
| <b><u>DOOR AND WINDOW SUNDRIES</u></b>  |   |             |             |
| 1202  | 25mm Diameter chromium plated split ring key ring with and including 35mm diameter x 3mm thick perspex tag with 6mm high engraved and painted numerals or letters             | No          | 118.83      |
| Bill No. 17<br>IRONMONGERY<br><div style="text-align: right;">Initial here.....</div> |   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1203           | 32mm Rubber door stop fixed to wall   | No          | 21.74       |
| 1204           | Silver anodised aluminium door stop with rubber buffer fixed to floor   | No          | 184.50      |
| 1205           | Silver anodised aluminium hat and coat hook with rubber buffer  | No          | 130.20      |
| 1206           | Heavy duty brass fanlight catch and keep  | No          | 184.24      |
| 1207           | Heavy duty brass fanlight roller arm stay 200mm long  | No          | 200.88      |
|                | <b><u>MATS</u></b>  |             |             |
|                | <b><u>'Matador Squeegee' or other equal and approved</u></b>  |             |             |
| 1208           | 600 x 1200 x 25mm Door mat laid loose in mat surround (elsewhere measured) including 6mm stainless steel chain 300mm long, anchor bolt and washer, etc complete | No          | 7,352.59    |
|                | <b><u>BATHROOM FITTINGS</u></b>   |             |             |
| 1209           | Chromium plated towel ring  | No          | 159.73      |
| 1210           | Chromium plated toilet roll holder  | No          | 201.66      |
| 1211           | Silver anodised aluminium hat and coat hook   | No          | 131.01      |
| 1212           | 19mm Chromium plated towel rail 600mm long including end flange brackets  | No          | 191.63      |
| 1213           | 19mm Chromium plated towel rail 900mm long including end flange brackets  | No          | 238.63      |
| 1214           | 20mm Chromium plated shower curtain rail 900mm long including end flange brackets   | No          | 200.07      |
| 1215           | Shower curtain of 100% polyester mildew resistant and water proof fabric size 1450 x 2000mm long overall including 30mm diameter plastic rings complete         | No          | 309.61      |
| 1216           | Medicine cupboard type C6 size 410 x 600mm overall including mirror   | No          | 1,805.65    |
| 1217           | Epoxy powder coated multi-fold paper towel dispenser  | No          | 2,285.14    |
| 1218           | Epoxy powder coated paper towel dispenser suitable for 240mm wide paper towels  | No          | 2,826.49    |
| 1219           | Epoxy powder coated vandal proof two roll toilet roll holder  | No          | 1,031.36    |
| 1220           | 32mm Polished stainless steel rear cistern grab rail  | No          | 1,899.44    |
| 1221           | 32mm Polished stainless steel rear flush valve grab rail  | No          | 1,931.06    |
|                | Bill No. 17<br>IRONMONGERY  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1222           | 32mm Polished stainless steel dog leg side grab rail plugged to walls   | No          | 1,979.59    |
|                | <b><u>CURTAIN TRACKS</u></b>  |             |             |
| 1223           | White powder coated single aluminium oval regular duty curtain track with all accessories complete fixed to timber pelmets (elsewhere measured) or walls, including fourteen nylon rollers per metre  | m           | 150.06      |
| 1224           | White powder coated double aluminium oval regular duty curtain track with all accessories complete fixed to timber pelmets (elsewhere measured) or walls, including fourteen nylon rollers per metre  | m           | 189.90      |
|                | <b><u>BLINDS AND LOUVRE DRAPES</u></b>  |             |             |
|                | <b><u>Vertical louvred sun drapes comprising natural anodised aluminium top rail, 120mm wide type F13 colour group 5 louvre vanes, draw cord, operating chain and pivot mechanism, etc fixed to soffits in reveals or face fixed to walls</u></b> |             |             |
| 1225           | Louvred drape unit to suit window size 530 x 950mm high   | No          | 963.57      |
| 1226           | Louvred drape unit to suit window size 530 x 1245mm high  | No          | 1,061.11    |
| 1227           | Louvred drape unit to suit window size 530 x 1540mm high  | No          | 1,168.01    |
| 1228           | Louvred drape unit to suit window size 1020 x 950mm high  | No          | 1,247.49    |
| 1229           | Louvred drape unit to suit window size 1020 x 1245mm high   | No          | 1,385.89    |
| 1230           | Louvred drape unit to suit window size 1020 x 1540mm high   | No          | 1,489.76    |
| 1231           | Louvred drape unit to suit window size 1510 x 950mm high  | No          | 1,764.07    |
| 1232           | Louvred drape unit to suit window size 1510 x 1245mm high   | No          | 2,004.46    |
| 1233           | Louvred drape unit to suit window size 1510 x 1540mm high   | No          | 2,256.67    |
| 1234           | Louvred drape unit to suit window size 2000 x 950mm high  | No          | 2,201.07    |
| 1235           | Louvred drape unit to suit window size 2000 x 1245mm high   | No          | 2,546.06    |
| 1236           | Louvred drape unit to suit window size 2000 x 1540mm high   | No          | 2,787.56    |
|                | <b><u>Approved 25mm mini venetian blinds in approved colours with soffit or face fixing complete with all controls</u></b>  |             |             |
| 1237           | Venetian blinds to suit window size 530 x 950mm high  | No          | 711.53      |
|                | Bill No. 17<br>IRONMONGERY  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1238           | Venetian blinds to suit window size 530 x 1245mm high             | No          | 848.90      |
| 1239           | Venetian blinds to suit window size 530 x 1540mm high             | No          | 912.35      |
| 1240           | Venetian blinds to suit window size 1020 x 950mm high             | No          | 1,088.82    |
| 1241           | Venetian blinds to suit window size 1020 x 1245mm high            | No          | 1,241.10    |
| 1242           | Venetian blinds to suit window size 1020 x 1540mm high            | No          | 2,462.01    |
| 1243           | Venetian blinds to suit window size 1510 x 950mm high             | No          | 1,485.54    |
| 1244           | Venetian blinds to suit window size 1510 x 1245mm high            | No          | 1,800.64    |
| 1245           | Venetian blinds to suit window size 1510 x 1540mm high            | No          | 1,747.77    |
| 1246           | Venetian blinds to suit window size 2000 x 950mm high             | No          | 1,829.28    |
| 1247           | Venetian blinds to suit window size 2000 x 1245mm high            | No          | 2,074.05    |
| 1248           | Venetian blinds to suit window size 2000 x 1540mm high            | No          | 2,331.32    |
|                | <b><u>SHELVING</u></b>  |             |             |
|                | <b><u>Standard epoxy powder coated finish shelving system</u></b> |             |             |
| 1249           | Double slot wall band 914mm long plugged                          | No          | 289.20      |
| 1250           | Double slot wall band 1820mm long plugged                         | No          | 251.23      |
| 1251           | Double slot wall band 2100mm long plugged                         | No          | 296.92      |
| 1252           | Heavy duty shelf bracket for 300mm wide timber shelf              | No          | 53.85       |
| 1253           | Heavy duty shelf bracket for 380mm wide timber shelf              | No          | 70.95       |
| 1254           | Heavy duty shelf bracket for 450mm wide timber shelf              | No          | 85.46       |
| 1255           | Heavy duty shelf bracket for 530mm wide timber shelf              | No          | 98.67       |
| 1256           | Heavy duty shelf bracket for 600mm wide timber shelf              | No          | 129.32      |
| 1257           | Heavy duty shelf bracket for 300mm wide steel shelf               | No          | 103.00      |
| 1258           | Heavy duty shelf bracket for 380mm wide steel shelf               | No          | 130.26      |
|                | Bill No. 17<br>IRONMONGERY  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u>  |   | <u>Unit</u> | <u>Rate</u> |
|---|---|-------------|-------------|
| 1259  | Heavy duty shelf bracket for 450mm wide steel shelf                                 | No          | 152.27      |
| 1260  | Heavy duty shelf bracket for 530mm wide steel shelf                                 | No          | 183.68      |
| 1261  | Heavy duty shelf bracket for 600mm wide steel shelf                                 | No          | 217.54      |
| 1262  | Steel shelf size 914 x 300mm  | No          | 525.88      |
| 1263  | Steel shelf size 914 x 380mm  | No          | 652.29      |
| 1264  | Steel shelf size 914 x 450mm  | No          | 748.44      |
| 1265  | Steel shelf size 914 x 530mm  | No          | 923.09      |
| 1266  | Steel shelf size 914 x 600mm  | No          | 1,121.50    |
| 1267  | Steel shelf size 914 x 300mm  | No          | 577.90      |
| <b><u>INDUSTRIAL SHELVING UNITS</u></b>   |   |             |             |
| <b><u>Fully adjustable powder coated industrial shelving units</u></b>                |   |             |             |
| 1268  | Shelf unit 914mm wide, 300mm deep and 1829mm high with top, base and four shelves   | No          | 4,283.83    |
| 1269  | Shelf unit 914mm wide, 300mm deep and 2134mm high with top, base and five shelves   | No          | 4,942.20    |
| 1270  | Shelf unit 914mm wide, 380mm deep and 1829mm high with top, base and four shelves   | No          | 4,835.23    |
| 1271  | Shelf unit 914mm wide, 380mm deep and 2134mm high with top, base and five shelves   | No          | 5,811.57    |
| <b><u>STEEL CUPBOARDS</u></b>   |   |             |             |
| <b><u>Standard powder coated storage cupboards plugged to walls</u></b>               |   |             |             |
| 1272  | Hostel locker size 410 x 530 x 1800mm high  | No          | 6,015.45    |
| 1273  | Storage cabinet size 900 x 450 x 1800mm high with four shelves (teacher's cupboard) | No          | 8,737.27    |
| <b><u>KITCHEN CUPBOARDS</u></b>   |   |             |             |
| <b><u>Standard steel epoxy powder coated kitchen cupboard units</u></b>               |   |             |             |
| 1274  | Wall unit type TC450 size 450 x 300 x 580mm high                                    | No          | 5,177.78    |
| 1275  | Wall unit type TC533 size 533 x 300 x 580mm high                                    | No          | 6,000.75    |
| Bill No. 17<br>IRONMONGERY<br><div style="text-align: right;">Initial here.....</div> |   |             |             |



| <u>Item No</u>   |   | <u>Unit</u> | <u>Rate</u> |
|--|---|-------------|-------------|
| 1276   | Wall unit type TC900 size 900 x 300 x 580mm high        | No          | 10,064.57   |
| 1277   | Wall unit type TC1200 size 1200 x 300 x 580mm high      | No          | 8,302.16    |
| 1278   | Floor cabinet type FC450 size 450 x 533 x 865mm high    | No          | 10,411.66   |
| 1279   | Floor cabinet type FC450D size 450 x 533 x 865mm high   | No          | 14,504.87   |
| 1280   | Floor cabinet type FC533 size 533 x 533 x 865mm high    | No          | 11,166.14   |
| 1281   | Floor cabinet type FC900 size 900 x 533 x 865mm high    | No          | 14,957.33   |
| 1282   | Floor cabinet type FC1200 size 1200 x 533 x 865mm high  | No          | 18,250.48   |
| 1283   | Floor cabinet type FC1600 size 1600 x 533 x 865mm high  | No          | 14,795.01   |
| 1284   | Sink cabinet type SC900 size 900 x 533 x 865mm high     | No          | 17,141.66   |
| 1285   | Sink cabinet type SC1200 size 1200 x 533 x 865mm high   | No          | 25,231.09   |
| 1286   | Sink cabinet type SC1350 size 1350 x 533 x 865mm high   | No          | 31,805.10   |
| 1287   | Broom cabinet type BC450 size 450 x 533 x 1905mm high   | No          | 16,608.87   |
| 1288   | Grocery cabinet type GC450 size 450 x 533 x 1905mm high | No          | 19,285.57   |
| <b><u>PINNING BOARDS, WRITING BOARDS, ETC</u></b>  |   |             |             |
| <b><u>Wall mounted chalkboard with aluminium chalk rail plugged to walls</u></b>   |   |             |             |
| 1289   | Chalk board size 1200 x 1140mm high                     | No          | 4,066.84    |
| 1290   | Chalk board size 1800 x 1140mm high                     | No          | 5,532.53    |
| 1291   | Chalk board size 2700 x 1140mm high                     | No          | 7,216.39    |
| <b><u>White magnetic aluminium framed writing board complete with accessories holder, magnets, board cleaner and box of felt strips plugged to walls</u></b> |   |             |             |
| 1292   | White magnetic writing board size 1200 x 900mm high     | No          | 2,583.30    |
| 1293   | White magnetic writing board size 2000 x 1000mm high    | No          | 5,401.50    |
| <div> <div>Bill No. 17</div> <div>IRONMONGERY</div> <div>Initial here.....</div> </div>  |   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>Aluminium framed pinning board plugged to walls</u></b>   |             |             |
| 1294           | Pinning board size 1200 x 900mm high  | No          | 2,508.69    |
| 1295           | Pinning board size 1500 x 1000mm high   | No          | 3,511.57    |
|                | <b><u>LABOUR RATES</u></b>  |             |             |
|                | <b>NOTE :</b>   |             |             |
| 1              | THE FOLLOWING LABOUR RATES ARE <b><u>ONLY TO BE USED</u></b> WHERE THERE IS WORK RELATING TO NON-SCHEDULED ITEMS. THESE LABOUR RATES ARE NOT TO BE USED FOR THE PRECEDING SCHEDULED ITEMS.                                    |             |             |
| 2              | THE LABOUR RATES SPECIFICALLY EXCLUDES THE COST OF THE MATERIALS AND TRANSPORT TO SITE. PROFIT ON LABOUR MUST HOWEVER BE INCLUDED.  |             |             |
| 3              | THE FOLLOWING LABOUR RATES ARE FOR THE FIXING VARIOUS NON-SCHEDULED ITEMS OF IRONMONGERY ONLY AND MUST INCLUDE FOR ALL NECESSARY LABOUR REQUIRED IN ORDERING, TAKING DELIVERY OF, STORING, PROTECTING AND FIXING IN POSITION. |             |             |
|                | <b><u>Labour cost in fixing and fitting of the following non-scheduled items</u></b>  |             |             |
| 1296           | Fixing of mortice lock or cylinder lock excluding door handles  | No          | 124.93      |
| 1297           | Fixing of door handles to both sides of door  | No          | 107.95      |
| 1298           | Fixing of door hinges to all types of doors   | No          | 75.49       |
| 1299           | Fixing of cupboard door locks, barrel bolts, catches, pull handles and the like   | No          | 101.11      |
| 1300           | Fixing of overhead door closer  | No          | 208.17      |
| 1301           | Fixing of floor spring  | No          | 435.90      |
| 1302           | Fixing of sliding door gear for single door to door and to brickwork  | No          | 374.15      |
| 1303           | Fixing of louvre drapes or venetian blinds to walls for all heights of louvre drapes and all heights of venetian blinds   | m           | 156.98      |
| 1304           | Fixing of all sizes of pinning boards and writing boards  | No          | 259.06      |
|                | END OF BILL   |             |             |
|                | Bill No. 17<br>IRONMONGERY  |             |             |
|                | Initial here.....   |             |             |

**BILL No 16**

## STRUCTURAL STEELWORK

**NOTES :**

- 1        Descriptions of bolts shall be deemed to include nuts and washers. Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete.
- 2        Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortice in brickwork or concrete.
- 3        All Structural Steelwork must comply with the requirements of SABS 1200-Section H. Grade 300W to be used for all sections. All bolts to be Grade 4D.
- 4        Workshop drawings have to be submitted to the Department of Works for approval before commencement of manufacture.
- 5        Corrosion protection of steelwork must comply with the requirements of SABS 1200-Section HC. The following method must be adopted and prices must include hereof:
  - a)        All surfaces are to be cleaned in accordance with clauses 5.4, 5.5 and 5.6 of the above specifications.
  - b)        Two coats zinc chromate primer is to be applied in the workshop before transport to the site.

## COLUMNS AND BEAMS

**Welded columns and beams in single lengths with flat section base, top, bearer and connection plates bolted to concrete or to steel**

|      |                     |    |       |
|------|---------------------|----|-------|
| 1305 | I-section columns   | kg | 64.21 |
| 1306 | IPE section rafters | kg | 64.21 |

## STEEL TRUSSES ETC

**Note:**

*The descriptions and sizes of the trusses given exclude any eaves overhangs although the weight of the overhangs is included in the weight of the trusses concerned. Some trusses described may be slightly truncated or shortened at the eaves. The span given is the clear span between the internal faces of walls*

Bill No. 18  
STRUCTURAL STEELWORK

Initial here.....

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>Welded roof trusses of angle section hollow section rafters, rails, struts, braces, cleats, etc and flat section bearer, gusset and connection plates bolted to concrete</u></b>         |             |             |
| 1307           | Trusses not exceeding 2m span  | kg          | 64.39       |
| 1308           | Trusses exceeding 2m and not exceeding 4m span   | kg          | 64.39       |
| 1309           | Trusses exceeding 4m and not exceeding 6m span   | kg          | 64.39       |
| 1310           | Trusses exceeding 6m and not exceeding 8m span   | kg          | 64.39       |
| 1311           | Trusses exceeding 8m and not exceeding 10m span  | kg          | 64.39       |
|                | <b><u>Welded roof trusses of rectangular or square hollow section rafters, rails, struts, braces, cleats, etc and flat section bearer, gusset and connection plates bolted to concrete</u></b> |             |             |
| 1312           | Trusses not exceeding 2m span  | kg          | 64.90       |
| 1313           | Trusses exceeding 2m and not exceeding 4m span   | kg          | 64.90       |
| 1314           | Trusses exceeding 4m and not exceeding 6m span   | kg          | 64.90       |
| 1315           | Trusses exceeding 6m and not exceeding 8m span   | kg          | 64.90       |
| 1316           | Trusses exceeding 8m and not exceeding 10m span  | kg          | 64.90       |
|                | <b><u>Base plates, angles and bolts to trusses</u></b>   |             |             |
| 1317           | Base or anchor plates  | kg          | 65.40       |
| 1318           | 12mm U-shaped anchor bolt 750mm girth cast into <b>top</b> of concrete   | No          | 139.41      |
| 1319           | 12mm "Hilti" Hit HY or other equal and approved chemical anchor bolt 150mm long  | No          | 257.57      |
|                | <b><u>PURLINS, GIRTS, BRACING, ETC</u></b>   |             |             |
|                | <b><u>Purlins and braces bolted to steel</u></b>   |             |             |
| 1320           | Lipped channel section purlins   | kg          | 59.85       |
| 1321           | Lipped channel section ceiling rails   | kg          | 59.85       |
| 1322           | Extra over for HOT DIP GALVANISED lipped channel sections (at coastal areas only if specifically required)   | kg          | 27.92       |
|                | Bill No. 18<br>STRUCTURAL STEELWORK  |             |             |
|                | Initial here.....  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>Windbracing</u></b>   |             |             |
| 1323           | 16mm Diameter mild steel rods in wind bracing with threaded ends both sides with tensioning nuts  | kg          | 72.67       |
|                | <b><u>SUNDRY STRUCTURAL STEELWORK</u></b>   |             |             |
|                | <b>Note :</b>   |             |             |
| 1              | Prices for the following sundry items are to include for small plates, gussets, bolts, etc.   |             |             |
| 2              | The following items are only to be used where the above items for trusses and purlins are not applicable. <b>The following items are NOT to be used in lieu of the above items.</b> |             |             |
|                | <b><u>Sundry steelwork</u></b>  |             |             |
| 1324           | 10mm Diameter mild steel solid round bars   | kg          | 57.04       |
| 1325           | 12mm Diameter mild steel solid round bars   | kg          | 57.04       |
| 1326           | Flat bars generally   | kg          | 62.00       |
| 1327           | Angle section purlins, braces, struts, etc  | kg          | 62.00       |
| 1328           | Rectangular or square hollow section posts or columns   | kg          | 67.25       |
| 1329           | Rectangular or square hollow section purlins and rafters  | kg          | 67.25       |
| 1330           | Tubular hollow section posts or columns   | kg          | 67.46       |
| 1331           | Tubular hollow section purlins and rafters  | kg          | 67.46       |
|                | <b><u>Commercial quality mild steel plates</u></b>  |             |             |
| 1332           | 2mm Plates cut to varying shapes and sizes  | m2          | 832.94      |
| 1333           | 3mm Plates cut to varying shapes and sizes  | m2          | 1,102.63    |
| 1334           | 4mm Plates cut to varying shapes and sizes  | m2          | 1,488.50    |
| 1335           | 5mm Plates cut to varying shapes and sizes  | m2          | 1,799.28    |
| 1336           | 6mm Plates cut to varying shapes and sizes  | m2          | 2,088.13    |
| 1337           | 8mm Plates cut to varying shapes and sizes  | m2          | 2,867.28    |
|                | Bill No. 18<br>STRUCTURAL STEELWORK   |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1338           | 10mm Plates cut to varying shapes and sizes   | m2          | 3,566.19    |
| 1339           | 12mm Plates cut to varying shapes and sizes   | m2          | 4,343.35    |
|                | <b><u>Vastrap chequer plate flooring</u></b>  |             |             |
| 1340           | 4.5 - 6.1mm Plates cut to varying shapes and sizes  | m2          | 2,018.52    |
| 1341           | 6 - 7.6mm Plates cut to varying shapes and sizes  | m2          | 2,539.60    |
| 1342           | 8 - 9.6mm Plates cut to varying shapes and sizes  | m2          | 3,190.76    |
|                | <b><u>Floor and duct gratings</u></b>   |             |             |
| 1343           | 'Vitagrid' floor grating with 30 x 3mm bearer bars in varying lengths and widths laid loose in frame (elsewhere measured) | m2          | 2,411.92    |
| 1344           | 'Vitagrid' floor grating with 40 x 4.5mm bearer bars in varying lengths laid loose in frame (elsewhere measured)          | m2          | 3,328.31    |
| 1345           | 'Vitagrid' floor grating with 50 x 5mm bearer bars in varying lengths laid loose in frame (elsewhere measured)            | m2          | 4,115.27    |
|                | <b><u>Expanded meshes</u></b>   |             |             |
| 1346           | Florex No 1 expanded metal lathing cut to varying sizes   | m2          | 1,129.30    |
| 1347           | Mentex No 300 expanded metal lathing cut to varying sizes   | m2          | 842.47      |
|                | <b><u>Bolts, etc</u></b>  |             |             |
| 1348           | Mild steel bolts with nuts and washers  | kg          | 96.56       |
| 1349           | M8 x 100mm expanding bolts with nuts and washers  | No          | 47.83       |
| 1350           | M10 x 100mm expanding bolts with nuts and washers   | No          | 68.69       |
|                | END OF BILL   |             |             |
|                | Bill No. 18<br>STRUCTURAL STEELWORK   |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>BILL No 17</u></b>  |             |             |
|                | <b><u>METALWORK</u></b>   |             |             |
|                | <b><u>NOTES :</u></b>   |             |             |
| 1              | Descriptions of bolts shall be deemed to include nuts and washers. Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete.  |             |             |
| 2              | Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortice in brickwork or concrete.   |             |             |
|                | <b><u>BALUSTRADES, HANDRAILS, ETC</u></b>   |             |             |
|                | <b><u>Handrails</u></b>   |             |             |
| 1351           | 50 x 2.5mm Hollow section round handrail  | m           | 145.00      |
| 1352           | Extra for capped end  | No          | 35.09       |
| 1353           | Bracket formed of 12mm diameter solid bar 260mm girth once bent, welded to handrail and set bar into wall with epoxy grout  | No          | 50.15       |
|                | <b><u>MILD STEEL SUNDRIES</u></b>   |             |             |
|                | <b><u>Seat brackets</u></b>   |             |             |
| 1354           | 40 x 40 x 3mm Mild steel angle iron in triangular shaped bracket size 440 x 300mm overall three times bolted to walls with and including 8mm diameter expanding bolts   | No          | 424.11      |
| 1355           | Seat frame size 425 x 405mm high overall formed of 38 x 38 x 3mm square hollow section 425mm long horizontal bearer welded to 38mm diameter hollow section vertical legs 405mm high with and including two 80 x 80 x 3mm mild steel base plates welded on to leg and bearer and twice bolted to floor and wall with and including 8mm expanding bolts | No          | 683.70      |
|                | <b><u>Recessed mat frames</u></b>   |             |             |
| 1356           | Mat frame size 600 x 1200mm overall formed of 50 x 3mm flat section frame around with and including 30 x 50 x 3mm mild steel angle section lugs each 50mm long welded all round at approximately 400mm centres including embedding in screed  | No          | 777.54      |
|                | <b><u>Washing lines</u></b>   |             |             |
| 1357           | Approved PVC coated washing line stretched taut and tied to straining bolts (elsewhere measured)  | m           | 33.72       |
|                | Bill No. 19<br>METALWORK  |             |             |
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| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 1358           | T-shaped washing line post 1900mm high x 900mm wide extreme formed of 75mm diameter x 3mm thick hollow section post 1890mm high with 150 x 150 x 10mm mild steel base plate welded to one end including two 10mm diameter mild steel U-shaped anchor rods each 420mm girth overall welded to baseplate and four 8mm diameter x 50mm long mild steel hook bolts welded on and set up into position and cast into and including 250 x 250 x 400mm deep class 20MPa/19mm concrete footing including all excavations, backfilling, etc   | No          | 2,141.00    |
| 1359           | 150mm Galvanised turn-buckle tension bolts   | No          | 100.57      |
|                | <b><u>MILD STEEL GRILLE GATES</u></b>  |             |             |
|                | <b><u>Gate frames and posts</u></b>  |             |             |
| 1360           | 40 x 40 x 3mm Mild steel hollow section gate post 2000mm long with and including three dovetailed lugs size 20 x 3 x 250mm long welded on and built into brick wall  | No          | 628.13      |
|                | <b><u>Gates</u></b>  |             |             |
| 1361           | Single gate leaf size 810 x 2000mm high overall formed of 40 x 40 x 3mm mild steel hollow section frame around and two horizontal intermediate rails and filled in with and including 20 x 20 x 2mm hollow section vertical bars at approximately 70mm centres passed through and welded to the intermediate rails, including two 100mm weld-on type hinges, narrow style double cylinder lock with escutcheons riveted to leaf and a 40 x 5mm mild steel flat gate stop welded on to one stile for the full gate height   | No          | 5,338.02    |
| 1362           | Double gate size 1510 x 2000mm high overall in two equal width leaves, each leaf formed of 40 x 40 x 3mm mild steel hollow section frame around and two horizontal intermediate rails and filled in with and including 20 x 20 x 2mm hollow section vertical bars at approximately 70mm centres passed through and welded to the intermediate rails, including two 100mm weld-on type hinges to each leaf, narrow style double cylinder lock with escutcheons riveted to leaf, 40 x 5mm mild steel flat gate stop welded on to one stile for the full gate height and suitable 300mm long drop bolt and keep to one leaf | No          | 9,354.97    |
|                | <b><u>MILD STEEL WINDOWS AND DOORS</u></b>   |             |             |
|                | <b><u>Residential type windows with solid brass or chromium plated fittings and factory fitted with and including type NBP33 burglar bars to the whole of the window</u></b>   |             |             |
| 1363           | Window type NG1 size 533 x 359mm high  | No          | 1,126.00    |
| 1364           | Window type NE1 size 533 x 654mm high  | No          | 1,464.06    |
| 1365           | Window type NC1 size 533 x 949mm high  | No          | 1,731.63    |
| 1366           | Window type ND1 size 533 x 1245mm high   | No          | 1,996.40    |
| 1367           | Window type NG2 size 1022 x 359mm high   | No          | 1,660.63    |
|                | Bill No. 19<br>METALWORK   |             |             |
|                | Initial here.....  |             |             |



| <u>Item No</u>  |   | <u>Unit</u> | <u>Rate</u> |
|---|---|-------------|-------------|
| 1368  | Window type NE2 size 1022 x 654mm high    | No          | 1,608.32    |
| 1369  | Window type NC2 size 1022 x 949mm high    | No          | 2,015.75    |
| 1370  | Window type ND8 size 1022 x 1245mm high   | No          | 1,489.10    |
| 1371  | Window type ND2 size 1022 x 1245mm high   | No          | 2,257.23    |
| 1372  | Window type ND2F size 1022 x 1245mm high  | No          | 2,724.83    |
| 1373  | Window type NE4 size 1511 x 654mm high    | No          | 2,512.54    |
| 1374  | Window type NC4 size 1511 x 949mm high    | No          | 3,277.52    |
| 1375  | Window type ND4 size 1511 x 1245mm high   | No          | 3,547.67    |
| 1376  | Window type ND4F size 1511 x 1245mm high  | No          | 4,119.32    |
| 1377  | Window type ND510 size 1511 x 1540mm high | No          | 3,067.19    |
| 1378  | Window type ND54F size 1511 x 1540mm high | No          | 4,685.19    |
| <b><u>Residential type windows with horizontal bars with solid brass or chromium plated fittings and fitted with and including type NBP33 burglar bars to the opening sections only</u></b> |   |             |             |
| 1379  | Window type E1H size 533 x 654mm high     | No          | 1,481.92    |
| 1380  | Window type C1H size 533 x 949mm high     | No          | 1,803.39    |
| 1381  | Window type D1H size 533 x 1245mm high    | No          | 1,985.84    |
| 1382  | Window type E2H size 1022 x 654mm high    | No          | 1,656.46    |
| 1383  | Window type C2H size 1022 x 949mm high    | No          | 2,133.09    |
| 1384  | Window type D8H size 1022 x 1245mm high   | No          | 1,591.01    |
| 1385  | Window type D2H size 1022 x 1245mm high   | No          | 2,397.12    |
| 1386  | Window type D2FH size 1022 x 1245mm high  | No          | 2,934.13    |
| 1387  | Window type E4H size 1511 x 654mm high    | No          | 2,567.03    |
| 1388  | Window type C4H size 1511 x 949mm high    | No          | 3,366.97    |
| <div> <div>Bill No. 19</div> <div>METALWORK</div> <div>Initial here.....</div> </div>   |   |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 1389           | Window type D4H size 1511 x 1245mm high  | No          | 3,345.13    |
| 1390           | Window type ND4F size 1511 x 1245mm high   | No          | 4,004.82    |
|                | <b><u>Residential type windows with horizontal and vertical bars with solid brass or chromium plated fittings and fitted with and including type NBP33 burglar bars to the opening sections only</u></b> |             |             |
| 1391           | Window type E1 size 533 x 654mm high   | No          | 1,643.63    |
| 1392           | Window type C1size 533 x 949mm high  | No          | 2,065.58    |
| 1393           | Window type D1 size 533 x 1245mm high  | No          | 2,306.59    |
| 1394           | Window type E2 size 1022 x 654mm high  | No          | 2,137.80    |
| 1395           | Window type C2 size 1022 x 949mm high  | No          | 2,483.74    |
| 1396           | Window type D2 size 1022 x 1245mm high   | No          | 2,974.19    |
| 1397           | Window type D2F size 1022 x 1245mm high  | No          | 3,566.88    |
| 1398           | Window type E4 size 1511 x 654mm high  | No          | 3,123.20    |
| 1399           | Window type C4 size 1511 x 949mm high  | No          | 4,028.41    |
| 1400           | Window type D4 size 1511 x 1245mm high   | No          | 4,839.73    |
| 1401           | Window type C4F size 1511 x 949mm high   | No          | 4,591.22    |
| 1402           | Window type D4F size 1511 x 1245mm high  | No          | 5,333.91    |
| 1403           | Window type D54F size 1511 x 1245mm high   | No          | 6,419.13    |
|                | <b><u>Industrial type windows with solid brass or chromium plated fittings</u></b>   |             |             |
| 1404           | Window type SSF32 size 978 x 987mm high  | No          | 1,904.03    |
| 1405           | Window type SS32 size 978 x 987mm high   | No          | 4,345.06    |
| 1406           | Window type SSF33 size 978 x 1445mm high   | No          | 2,467.93    |
| 1407           | Window type SS33 size 978 x 1445mm high  | No          | 5,317.70    |
|                | Bill No. 19<br>METALWORK<br><br><div style="text-align: right;">Initial here.....</div>  |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>School type windows with solid brass or chromium plated fittings</u></b>   |             |             |
| 1408           | Window type 9 size 889 x 457mm high  | No          | 1,235.22    |
| 1409           | Window type 4 size 889 x 457mm high  | No          | 3,491.48    |
| 1410           | Window type 3 size 889 x 457mm high  | No          | 3,519.13    |
| 1411           | Window type 11 size 889 x 854mm high   | No          | 4,138.99    |
| 1412           | Window type 6 size 889 x 854mm high  | No          | 4,564.12    |
| 1413           | Horizontal coupling mullion between 889mm windows to form composite window   | No          | 322.08      |
| 1414           | Window type 8 size 1143 x 457mm high   | No          | 3,299.21    |
| 1415           | Window type 2 size 1143 x 457mm high   | No          | 3,714.48    |
| 1416           | Window type 1 size 1143 x 457mm high   | No          | 3,713.32    |
| 1417           | Window type 10 size 1143 x 854mm high  | No          | 4,368.08    |
| 1418           | Window type 5 size 1143 x 854mm high   | No          | 5,063.89    |
| 1419           | Horizontal coupling mullion between 1143mm windows to form composite window  | No          | 375.09      |
|                | <b><u>Doors and sidelights with the doors fitted with three lever locksets with chromium plated furniture</u></b>  |             |             |
| 1420           | Sidelight type SDAS size 800 x 2134mm high including coupling mullion for fitting door (door elsewhere measured)   | No          | 4,803.33    |
| 1421           | Door type DAS size 800 x 2134mm high   | No          | 10,447.93   |
| 1422           | Double door type DDA size 1511 x 2134mm high   | No          | 17,674.83   |
|                | <b><u>BURGLAR BARS</u></b>   |             |             |
|                | <b><u>Standard burglar bars as supplied by the window manufacturer type NBP 33 with 20 x 5mm horizontal and vertical bars welded on to existing mild steel windows</u></b> |             |             |
| 1423           | Burglar bars to suit opening sections of type G windows size 533 x 357mm   | No          | 198.59      |
| 1424           | Burglar bars to suit opening sections of type E windows size 533 x 654mm   | No          | 371.59      |
| 1425           | Burglar bars to suit opening sections of type C windows size 533 x 951mm   | No          | 489.88      |
|                | Bill No. 19<br>METALWORK   |             |             |
|                | Initial here.....  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1426           | Burglar bars to suit opening sections of type D windows size 533 x 1248mm   | No          | 621.56      |
| 1427           | Burglar bars to suit opening sections of type D50 windows size 533 x 1545mm   | No          | 756.18      |
| 1428           | Burglar bars to suit opening sections of type G windows size 533 x 357mm  | No          | 222.98      |
|                | <b><u>Purpose made mild steel burglar bars welded to steel windows</u></b>  |             |             |
| 1429           | Burglar bars of 10mm diameter mild steel solid bars to brick pattern with the vertical bars at 100mm centres and the horizontal bars at 200mm centres welded on | m2          | 666.29      |
| 1430           | Burglar bars of 12mm diameter mild steel solid bars to brick pattern with the vertical bars at 100mm centres and the horizontal bars at 200mm centres welded on | m2          | 918.68      |
| 1431           | Burglar bars of 10 x 10mm mild steel solid bars to brick pattern with the vertical bars at 100mm centres and the horizontal bars at 200mm centres welded on     | m2          | 848.71      |
| 1432           | Burglar bars of 12 x 12mm mild steel solid bars to brick pattern with the vertical bars at 100mm centres and the horizontal bars at 200mm centres welded on     | m2          | 1,149.86    |
| 1433           | Burglar bars of 20 x 5mm mild steel solid bars to brick pattern with the vertical bars at 100mm centres and the horizontal bars at 200mm centres welded on      | m2          | 876.45      |
| 1434           | Burglar bars of 25 x 5mm mild steel solid bars to brick pattern with the vertical bars at 100mm centres and the horizontal bars at 200mm centres welded on      | m2          | 1,064.39    |
|                | <b><u>FLYSCREENS</u></b>  |             |             |
|                | <b><u>Baked enamel flyscreens fitted to the opening sections of steel windows</u></b>   |             |             |
| 1435           | Flyscreen to suit type G opening section  | No          | 767.13      |
| 1436           | Flyscreen to suit type E opening section  | No          | 915.67      |
| 1437           | Flyscreen to suit type C opening section  | No          | 1,017.13    |
| 1438           | Flyscreen to suit type D opening section  | No          | 1,046.37    |
| 1439           | Flyscreen to suit type D50 opening section  | No          | 1,083.26    |
|                | <b><u>Aluminium flyscreens fitted to the opening sections of steel windows</u></b>  |             |             |
| 1440           | Flyscreen to suit type G opening section  | No          | 802.58      |
| 1441           | Flyscreen to suit type E opening section  | No          | 957.72      |
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|---|---|-------------|-------------|
| 1442  | Flyscreen to suit type C opening section                                    | No          | 1,060.58    |
| 1443  | Flyscreen to suit type D opening section                                    | No          | 1,175.79    |
| 1444  | Flyscreen to suit type D50 opening section                                  | No          | 1,186.21    |
| <b><u>PRESSED STEEL DOOR FRAMES</u></b>   |   |             |             |
| <b><u>1.2mm Double rebated frames suitable for half brick walls</u></b>               |   |             |             |
| 1445  | Frame for door size 762 x 2032mm high                                       | No          | 1,882.63    |
| 1446  | Frame for door size 813 x 2032mm high                                       | No          | 1,940.32    |
| 1447  | Frame for door size 813 x 2032mm high with 305mm high fanlight over         | No          | 2,580.42    |
| 1448  | Frame for double door size 1511 x 2032mm high                               | No          | 2,890.45    |
| 1449  | Frame for double door size 1511 x 2032mm high with 305mm high fanlight over | No          | 3,165.36    |
| <b><u>1.2mm Double rebated frames suitable for one brick walls</u></b>                |   |             |             |
| 1450  | Frame for door size 762 x 2032mm high                                       | No          | 2,155.17    |
| 1451  | Frame for door size 813 x 2032mm high                                       | No          | 2,172.68    |
| 1452  | Frame for door size 813 x 2032mm high with 305mm high fanlight over         | No          | 2,875.83    |
| 1453  | Frame for double door size 1511 x 2032mm high                               | No          | 3,476.67    |
| 1454  | Frame for double door size 1511 x 2032mm high with 305mm high fanlight over | No          | 3,899.35    |
| <b><u>1.6mm Double rebated frames suitable for half brick walls</u></b>               |   |             |             |
| 1455  | Frame for door size 762 x 2032mm high                                       | No          | 2,139.54    |
| 1456  | Frame for door size 813 x 2032mm high                                       | No          | 2,146.24    |
| 1457  | Frame for door size 813 x 2032mm high with 305mm high fanlight over         | No          | 2,453.71    |
| 1458  | Frame for double door size 1511 x 2032mm high                               | No          | 3,324.85    |
| 1459  | Frame for double door size 1511 x 2032mm high with 305mm high fanlight over | No          | 3,896.11    |
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|                | <b><u>1.6mm Double rebated frames suitable for one brick walls</u></b>  |             |             |
| 1460           | Frame for door size 762 x 2032mm high   | No          | 2,711.79    |
| 1461           | Frame for door size 813 x 2032mm high   | No          | 2,769.46    |
| 1462           | Frame for door size 813 x 2032mm high with 305mm high fanlight over   | No          | 3,713.44    |
| 1463           | Frame for double door size 1511 x 2032mm high   | No          | 4,183.31    |
| 1464           | Frame for double door size 1511 x 2032mm high with 305mm high fanlight over                                     | No          | 4,841.59    |
|                | <b><u>PRESSED STEEL CUPBOARD DOOR FRAMES</u></b>  |             |             |
|                | <b><u>1.2mm Rebated cupboard door frames</u></b>  |             |             |
| 1465           | Frame type CAS size 673 x 2064mm high overall   | No          | 2,200.68    |
| 1466           | Frame type CAL size 826 x 2064mm high overall   | No          | 2,337.09    |
| 1467           | Frame type CBS size 1270 x 2064mm high overall  | No          | 2,587.16    |
| 1468           | Frame type CBL size 1575 x 2064mm high overall  | No          | 2,691.31    |
| 1469           | Frame type CBFS size 1270 x 2553mm high overall   | No          | 3,200.96    |
| 1470           | Frame type CBFL size 1575 x 2533mm high overall   | No          | 3,500.67    |
|                | <b><u>PRESSED STEEL COMBINATION DOORS AND FRAMES</u></b>  |             |             |
|                | <b><u>Combination single panel chawl type doors with 1.2mm rebated door frames to suit half brick walls</u></b> |             |             |
| 1471           | Frame with door size 762 x 2032mm high with padlatch  | No          | 3,772.55    |
| 1472           | Frame with door size 813 x 2032mm high with padlatch  | No          | 3,757.03    |
| 1473           | Frame with door size 813 x 2032mm high with three lever lockset and chromium plated furniture                   | No          | 3,898.57    |
|                | <b><u>Combination single panel chawl type doors with 1.2mm rebated door frames to suit one brick walls</u></b>  |             |             |
| 1474           | Frame with door size 762 x 2032mm high with padlatch  | No          | 3,875.63    |
| 1475           | Frame with door size 813 x 2032mm high with padlatch  | No          | 3,880.98    |
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|----------------|---|-------------|-------------|
| 1476           | Frame with door size 813 x 2032mm high with three lever lockset and chromium plated furniture   | No          | 4,158.39    |
|                | <b><u>PRESSED STEEL TRANSFORMER ROOM DOORS AND FRAMES</u></b>   |             |             |
|                | <b><u>Combination transformer room doors with 1.6mm rebated door frames to suit one brick walls with five pin cylinder lockset</u></b>                              |             |             |
| 1477           | Transformer room door and frame type BV size 914 x 2135mm high overall with vent in door  | No          | 26,731.80   |
| 1478           | Transformer room door and frame type YV size 1524 x 2440mm high overall with vents in doors   | No          | 32,342.14   |
| 1479           | Transformer room door and frame type DV size 1830 x 2440mm high overall with vents in doors   | No          | 29,437.68   |
|                | <b><u>PRESSED STEEL FIXED LOUVRES</u></b>   |             |             |
|                | <b><u>1.6mm Pressed steel fixed louvres with internal vermin and mosquito gauze</u></b>   |             |             |
| 1480           | Louvres type LA fitted to 533mm wide steel window (window elsewhere measured)   | m2          | 4,134.83    |
| 1481           | Louvres type LA fitted to 1022mm wide steel window (window elsewhere measured)  | m2          | 9,953.98    |
| 1482           | Louvres type LA fitted to 1511mm wide steel window (window elsewhere measured)  | m2          | 17,702.71   |
| 1483           | Louvres type LC fitted to 533mm wide steel window (window elsewhere measured)   | m2          | 10,136.46   |
| 1484           | Louvres type LC fitted to 1022mm wide steel window (window elsewhere measured)  | m2          | 11,857.35   |
| 1485           | Louvres type LC fitted to 1511mm wide steel window (window elsewhere measured)  | m2          | 20,084.94   |
|                | <b><u>GARAGE DOORS</u></b>  |             |             |
|                | <b><u>Standard manually operated roll-up garage door complete with lock, handles, guides, hinges, fixing bolts, tracks etc., fixed to brickwork or concrete</u></b> |             |             |
| 1486           | Galvanised steel roll-up garage door to suit opening size 2500 x 2100mm high  | No          | 5,770.06    |
| 1487           | Chromadek finished galvanised steel roll-up garage door to suit opening size 2500 x 2100mm high   | No          | 6,763.06    |
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|----------------|---|-------------|-------------|
|                | <b><u>INDUSTRIAL TYPE ROLLER SHUTTER DOORS</u></b>  |             |             |
|                | <b><u>Galvanised mild steel push-up slatted curtain roller shutters complete with standard bottom rail with overhead box 335mm high, 75mm wide guides, extruded aluminium T-bar with rubber seal and hot dip galvanised ancillary components including 4.5mm thick end plates, guide rails, slide bolt, etc. fixed to brick jambs and concrete lintel over and with canopy cover</u></b>        |             |             |
| 1488           | Galvanised roller shutter to suit opening size 1200 x 1200mm high   | No          | 13,458.63   |
| 1489           | Galvanised roller shutter to suit opening size 1500 x 1200mm high   | No          | 15,431.36   |
| 1490           | Galvanised roller shutter to suit opening size 2400 x 2100mm high   | No          | 24,327.28   |
|                | <b><u>Galvanised mild steel crank operated slatted curtain roller shutters complete with standard bottom rail with overhead box 335mm high, 75mm wide guides, extruded aluminium T-bar with rubber seal and hot dip galvanised ancillary components including 4.5mm thick end plates, guide rails, slide bolt, etc. fixed to brick jambs and concrete lintel over and with canopy cover</u></b> |             |             |
| 1491           | Galvanised roller shutter to suit opening size 3600 x 2400mm high   | No          | 49,001.37   |
|                | <b><u>STRONG ROOM AND RECORD ROOM DOORS AND VENTILATORS, ETC</u></b>  |             |             |
| 1492           | Mutual Austen Safes Model DS1 record room door and frame size 750 x 1870mm high overall 7-lever security keylock and metal handles  | No          | 33,836.53   |
| 1493           | Mutual Austen Safes Model DS50/1 SABS Category 1 strong room door and frame size 760 x 1860mm high overall 7-lever security keylock and metal handles   | No          | 50,539.05   |
| 1494           | Mutual Austen Safes Model DS50/2 SABS Category 2 (light duty) strong room door and frame size 760 x 1860mm high overall 7-lever security keylock and metal handles  | No          | 41,686.83   |
| 1495           | Heavy duty strong room door stop fixed in position  | No          | 2,327.61    |
| 1496           | Double ended strongroom ventilator with drop shutter  | No          | 3,606.72    |
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| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>ALUMINIUM DOORS, WINDOWS, ETC</u></b>  |             |             |
|                | <b>Notes:</b>  |             |             |
| 1              | All windows, doors, screens, sidelights and fanlights are to be of natural anodised or bronze anodised aluminium to AAMSA standards and specifications.  |             |             |
| 2              | Aluminium windows, doors, screens, sidelights and fanlights are to be fitted with the glass as specified. Doors are to be fitted with aluminium weather bars with rubber seals. Prices must include for aluminium hinges and all required ironmongery. |             |             |
| 3              | Unless otherwise described, all frames, etc shall be fitted to prepared openings in brick or concrete walls and shall be sealed around with approved silicone sealer to both sides.  |             |             |
| 4              | The aluminium frames are to be protected during construction against scratching, paint splashes, etc.  |             |             |
|                | <b><u>Natural anodised aluminium sliding doors glazed with and including 5mm toughened safety armourplate glass</u></b>  |             |             |
| 1497           | Sliding door type SD 1521 XO to suit opening size 1500 x 2100mm high   | No          | 8,851.54    |
| 1498           | Sliding door type SD 1521 XO to suit opening size 1500 x 2100mm high   | No          | 10,135.02   |
| 1499           | Sliding door type SD 2121 XO to suit opening size 2100 x 2100mm high   | No          | 12,001.95   |
|                | <b><u>Natural anodised aluminium doors glazed with and including 5mm toughened safety armourplate glass and fitted with double cylinder lockset and anodised aluminium furniture</u></b>   |             |             |
| 1500           | Olympia type single door and frame to suit opening size 900 x 2100mm high  | No          | 13,165.05   |
| 1501           | Olympia type double door and frame to suit opening size 1730 x 2100mm high   | No          | 21,196.14   |
|                | <b><u>Natural anodised aluminium horizontal sliding windows glazed with and including 4mm clear float glass</u></b>  |             |             |
| 1502           | Window type HS 99 to suit opening size 900 x 900mm high  | No          | 3,779.13    |
| 1503           | Window type HS 129 to suit opening size 1200 x 900mm high  | No          | 4,657.68    |
| 1504           | Window type HS 1212 to suit opening size 1200 x 1200mm high  | No          | 5,562.74    |
| 1505           | Window type HS 1215 to suit opening size 1200 x 1500mm high  | No          | 6,537.28    |
| 1506           | Window type HS 159 to suit opening size 1500 x 900mm high  | No          | 5,192.75    |
| 1507           | Window type HS 1512 to suit opening size 1500 x 1200mm high  | No          | 6,426.42    |
|                | Bill No. 19<br>METALWORK   |             |             |
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| <u>Item No</u>   |   | <u>Unit</u> | <u>Rate</u> |
|--|---|-------------|-------------|
| 1508   | Window type HS 1515 to suit opening size 1500 x 1500mm high   | No          | 7,002.50    |
| 1509   | Extra for glazing with 4mm obscure glass in lieu of 4mm clear float glass (measured across the full window area)                              | m2          | 895.74      |
| 1510   | Extra for glazing with 6.38mm NS intruderprufe laminated safety glass in lieu of 4mm clear float glass (measured across the full window area) | m2          | 731.56      |
| <b><u>Natural anodised aluminium top-hung projected-out windows glazed with and including 4mm clear float glass</u></b>                              |   |             |             |
| 1511   | Window type PT 66 to suit opening size 600 x 600mm high   | No          | 2,238.77    |
| 1512   | Window type PT 69 to suit opening size 600 x 900mm high   | No          | 2,566.66    |
| 1513   | Window type PT 612 to suit opening size 600 x 1200mm high   | No          | 3,070.99    |
| 1514   | Window type PT 99 to suit opening size 900 x 900mm high   | No          | 3,325.56    |
| 1515   | Window type PT 912 to suit opening size 900 x 1200mm high   | No          | 3,849.66    |
| 1516   | Window type PT 126 to suit opening size 1200 x 600mm high   | No          | 3,672.29    |
| 1517   | Window type PT 129 to suit opening size 1200 x 900mm high   | No          | 3,653.79    |
| 1518   | Window type PT 1212 to suit opening size 1200 x 1200mm high   | No          | 5,346.25    |
| <b><u>Epoxy powder coated aluminium windows to suit precast concrete window block system and glazed with and including 4mm clear float glass</u></b> |   |             |             |
| 1519   | Fixed frame to suit square block size 590 x 590mm   | No          | 1,303.56    |
| 1520   | Top-hung window to suit square block size 590 x 590mm   | No          | 2,186.33    |
| 1521   | Burglars bars fitted to window size 590 x 590mm   | No          | 487.97      |
| END OF BILL  |   |             |             |
| Bill No. 19<br>METALWORK   |   |             |             |
| Initial here.....  |   |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>BILL No 18</u></b>   |             |             |
|                | <b><u>PLASTERING</u></b>   |             |             |
|                | <b><u>NOTE :</u></b>   |             |             |
| 1              | Rates must include for preparing brick or concrete surfaces to receive plaster or screeds. Concrete and brick surfaces to receive plaster must be properly wire brushed to remove all loose and flaking material. Vertical concrete surfaces and soffits must also be slushed with a cement mortar slurry before any plastering commences. |             |             |
| 2              | Plaster and screeds must be kept damp at all times to ensure that they cure properly and to avoid shrinkage cracks.  |             |             |
| 3              | No plasterwork must be done in excessively hot or windy conditions.  |             |             |
|                | <b><u>SCREEDS</u></b>  |             |             |
|                | <b><u>Screeds wood floated or steel trowelled on concrete</u></b>  |             |             |
| 1522           | 15mm Thick on tops of slabs  | m2          | 114.58      |
| 1523           | 20mm Thick on floors and landings  | m2          | 127.28      |
| 1524           | 25mm Thick on floors and landings  | m2          | 141.78      |
| 1525           | 30mm Thick on floors and landings  | m2          | 157.24      |
| 1526           | 35mm Thick on floors and landings  | m2          | 168.14      |
| 1527           | Average 50mm thick on flat roofs and gutters to falls and cross falls  | m2          | 216.53      |
| 1528           | Average 70mm thick on flat roofs and gutters to falls and cross falls  | m2          | 264.03      |
| 1529           | 25mm Thick to treads and risers  | m2          | 151.46      |
| 1530           | 20mm Thick on narrow widths  | m2          | 145.39      |
|                | <b><u>GRANOLITHIC</u></b>  |             |             |
|                | <b><u>Untinted granolithic on concrete</u></b>   |             |             |
| 1531           | 30mm Thick on floors and landings  | m2          | 165.85      |
| 1532           | 30mm Thick on treads and risers including v-groove reedings  | m2          | 183.11      |
|                | Bill No. 20<br>PLASTERING  |             |             |
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| <u>Item No</u>   |   | <u>Unit</u> | <u>Rate</u> |
|--|---|-------------|-------------|
| 1533   | 20mm Thick on narrow widths                           | m2          | 159.60      |
| 1534   | Coved skirting 75mm high                              | m           | 53.55       |
| 1535   | Coved skirting 75mm high stepped to treads and risers | m           | 60.09       |
| <b><u>EXTERNAL PLASTER</u></b>   |   |             |             |
| <b><u>One coat cement plaster wood floated smooth on brickwork to</u></b>                |   |             |             |
| 1536   | Walls   | m2          | 115.67      |
| 1537   | Narrow widths   | m2          | 127.15      |
| 1538   | Circular narrow widths                                | m2          | 126.54      |
| 1539   | Weathered or sloping narrow widths                    | m2          | 130.30      |
| 1540   | Weathered coping in narrow widths                     | m2          | 127.79      |
| 1541   | Plaster band size 50 x 100mm high                     | m           | 40.48       |
| <b><u>One coat cement plaster wood floated on concrete to</u></b>                        |   |             |             |
| 1542   | Ceilings and soffits                                  | m2          | 140.15      |
| 1543   | Projecting and isolated columns                       | m2          | 126.57      |
| 1544   | Projecting and isolated beams                         | m2          | 127.43      |
| <b><u>INTERNAL PLASTER</u></b>   |   |             |             |
| <b><u>One coat compo plaster steel trowelled smooth on brickwork to</u></b>              |   |             |             |
| 1545   | Walls   | m2          | 130.16      |
| 1546   | Narrow widths   | m2          | 143.73      |
| <b><u>One coat compo plaster steel trowelled on concrete to</u></b>                      |   |             |             |
| 1547   | Tops of slabs   | m2          | 133.15      |
| 1548   | Ceilings and soffits                                  | m2          | 152.69      |
| 1549   | Projecting and isolated columns                       | m2          | 143.98      |
| Bill No. 20<br>PLASTERING<br><br><div style="text-align: right;">Initial here.....</div> |   |             |             |

| <u>Item No</u>  |  | <u>Unit</u> | <u>Rate</u> |
|---|--|-------------|-------------|
| 1550  | Projecting and isolated beams  | m2          | 144.87      |
| 1551  | Narrow widths  | m2          | 144.79      |
| <b><u>SPECIALIST PLASTER WALL COATINGS</u></b>  |  |             |             |
| <b>Note :</b>   |  |             |             |
| 1   | All specialist plaster wall coverings are to be executed in strict accordance with the manufacturer's instructions.  |             |             |
| <b><u>3mm Thick Reibeputz Grob wall coating comprising one coat Isoliergrund bonding liquid, one coat Reibeputz scratch plaster containing silicone chips and one coat finishing colour steel trowelled on plastered brick surfaces or smooth concrete surfaces to:</u></b>                           |  |             |             |
| 1552  | Walls  | m2          | 309.56      |
| 1553  | Projecting and isolated columns  | m2          | 323.36      |
| 1554  | Projecting and isolated beams  | m2          | 323.36      |
| 1555  | Ceilings and soffits   | m2          | 356.69      |
| 1556  | Narrow widths  | m2          | 326.73      |
| <b><u>1.8mm Thick grade fine 'Perarill' comprising one coat 'Peraseal' sealer, one coat super acrylic PVA paint and one coat tinted fine grade 'Perarill' rubbing plaster containing quartz dust and pebbles applied with a stainless steel trowel and finished off with a plastic trowel to:</u></b> |  |             |             |
| 1557  | Walls  | m2          | 224.07      |
| 1558  | Projecting and isolated columns  | m2          | 238.99      |
| 1559  | Projecting and isolated beams  | m2          | 238.99      |
| 1560  | Ceilings and soffits   | m2          | 256.52      |
| 1561  | Narrow widths  | m2          | 242.26      |
| <b><u>DIVIDING STRIPS, WATER BARS, CORNER PROTECTORS, ETC</u></b>   |  |             |             |
| <b><u>Mild steel</u></b>  |  |             |             |
| 1562  | 50 x 50 x 5mm Angle section edge protector in various lengths with and including 3 x 25mm flat section bent lugs each 200mm girth welded on at maximum 300mm centres including embedding in concrete | m           | 147.25      |
| Bill No. 20<br>PLASTERING   |  |             |             |
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| <u>Item<br/>No</u> |  | <u>Unit</u> | <u>Rate</u> |
|--------------------|--|-------------|-------------|
|                    | <b><u>Galvanised</u></b>   |             |             |
| 1563               | 0.5mm Mentis galvanised corner protector 1500mm fixed to wall vertically   | No          | 146.69      |
| 1564               | 3 x 30mm Water bar set into screed or into groove in concrete  | m           | 164.26      |
| 1565               | 50 x 50 x 2mm Angle section corner protector plugged to wall   | m           | 129.38      |
|                    | <b><u>Brass</u></b>  |             |             |
| 1566               | 3 x 30mm Brass dividing strip set into screed at junction between different floor finishes   | m           | 458.20      |
| 1567               | 5 x 50mm Brass dividing strip set into screed at junction between different floor finishes   | m           | 737.10      |
|                    | <b><u>Aluminium</u></b>  |             |             |
| 1568               | 50 x 50 x 3mm Angle section corner protectors 1200mm long screwed to walls with five countersunk stainless steel screws and bedded in clear silicone | No          | 234.70      |
|                    | END OF BILL  |             |             |
|                    | Bill No. 20<br>PLASTERING  |             |             |
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| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>BILL No 19</u></b>   |             |             |
|                | <b><u>TILING</u></b>   |             |             |
|                | <b><u>WALL TILING</u></b>  |             |             |
|                | <b><u>152 x 152 x 5mm Thick white glazed ceramic wall tiles fixed with adhesive to plaster (elsewhere measured) and flush pointed with an approved cement based grout to:</u></b>  |             |             |
| 1569           | Walls  | m2          | 433.21      |
| 1570           | Tops of slabs  | m2          | 433.21      |
| 1571           | Narrow widths  | m2          | 454.35      |
|                | <b><u>200 x 200 x 5mm White glazed ceramic wall tiles to:</u></b>  |             |             |
| 1572           | Walls  | m2          | 456.14      |
| 1573           | Tops of slabs  | m2          | 456.14      |
| 1574           | Narrow widths  | m2          | 478.37      |
|                | <b><u>Take delivery of, transport to the site, store, protect and lay ceramic tiles fixed with and including adhesive to plastered surfaces (elsewhere measured) and flush pointed with an approved tinted waterproof jointing compound on (cost of wall tiles elsewhere)</u></b>                          |             |             |
| 1575           | Walls  | m2          | 487.07      |
| 1576           | Narrow widths  | m2          | 566.84      |
|                | <b><u>FLOOR TILING</u></b>   |             |             |
|                | <b><u>Take delivery of, transport to the site, store, protect and lay ceramic floor tiles of differing sizes fixed with and including adhesive to screeded surfaces (elsewhere measured) and flush pointed with an approved tinted waterproof jointing compound on (cost of floor tiles elsewhere)</u></b> |             |             |
| 1577           | Floors to patterns   | m2          | 186.42      |
| 1578           | Skirting 100mm high  | m           | 25.48       |
| 1579           | Skirting 100mm high stepped to profile of treads and risers  | m           | 30.03       |
| 1580           | Risers 170mm high  | m           | 42.61       |
|                | Bill No. 21<br>TILING  |             |             |
|                | Initial here.....  |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 1581           | Treads 275mm wide  | m           | 63.67       |
|                | <b><u>Take delivery of, transport to the site, store, protect and lay mazita or natural stone floor tiles of differing sizes fixed with and including adhesive to screeded surfaces (elsewhere measured) and flush pointed with an approved tinted waterproof jointing compound on (cost of floor tiles elsewhere)</u></b> |             |             |
| 1582           | Floors to patterns   | m2          | 192.99      |
| 1583           | Skirting 100mm high  | m           | 26.12       |
| 1584           | Skirting 100mm high stepped to profile of treads and risers  | m           | 30.36       |
| 1585           | Risers 170mm high  | m           | 43.51       |
| 1586           | Treads 275mm wide  | m           | 65.42       |
|                | <b><u>Take delivery of, transport to the site, store, protect and lay porcelain floor tiles of differing sizes fixed with and including adhesive to screeded surfaces (elsewhere measured) and flush pointed with an approved tinted waterproof jointing compound on (cost of floor tiles elsewhere)</u></b>               |             |             |
| 1587           | Floors to patterns   | m2          | 183.57      |
| 1588           | Skirting 100mm high  | m           | 25.66       |
| 1589           | Skirting 100mm high stepped to profile of treads and risers  | m           | 28.41       |
| 1590           | Risers 170mm high  | m           | 38.78       |
| 1591           | Treads 275mm wide  | m           | 60.54       |
|                | <b><u>SOAP DISHES, TOILET ROLL HOLDERS, ETC</u></b>  |             |             |
| 1592           | Standard white glazed semi recessed toilet roll holder with ashtray size 150 x 150mm   | No          | 311.45      |
| 1593           | Standard white glazed semi recessed single soap dish size 150 x 150mm  | No          | 325.88      |
| 1594           | Standard white glazed semi recessed double soap dish size 300 x 150mm  | No          | 422.99      |
|                | <b><u>SUNDRIES</u></b>   |             |             |
|                | <b><u>PVC tiling edge strips, etc.</u></b>   |             |             |
| 1595           | Bull nosed tiling edge or corner strip suitable for 5mm tiles  | m           | 45.11       |
|                | Bill No. 21<br>TILING  |             |             |
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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1596           | Bull nosed tiling edge or corner strip suitable for 6mm tiles     | m           | 48.79       |
| 1597           | Bull nosed tiling edge or corner strip suitable for 8mm tiles     | m           | 54.20       |
| 1598           | Bull nosed tiling edge or corner strip suitable for 10mm tiles    | m           | 66.09       |
| 1599           | Tiling movement joint strip 100mm wide suitable for 10mm tiles    | m           | 85.19       |
|                | <b><u>Natural anodised aluminium tiling edge strips, etc.</u></b> |             |             |
| 1600           | Bull nosed tiling edge or corner strip suitable for 5mm tiles     | m           | 148.30      |
| 1601           | Bull nosed tiling edge or corner strip suitable for 6mm tiles     | m           | 155.01      |
| 1602           | Bull nosed tiling edge or corner strip suitable for 8mm tiles     | m           | 170.34      |
| 1603           | Bull nosed tiling edge or corner strip suitable for 10mm tiles    | m           | 185.90      |
| 1604           | Tiling movement joint strip 100mm wide suitable for 10mm tiles    | m           | 206.05      |
| 1605           | Bath access panel size 300 x 300mm                                | No          | 584.78      |
|                | END OF BILL   |             |             |
|                | Bill No. 21<br>TILING   |             |             |
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|----------------|---|-------------|-------------|
|                | <p><b><u>BILL No 20</u></b></p> <p><b><u>PLUMBING AND DRAINAGE</u></b></p> <p><b><u>NOTES :</u></b></p> <p>1      <b><u>uPVC Pipes and Fittings</u></b><br/>Soil, waste and vent pipes and fittings shall be solvent weld jointed.</p> <p>2      <b><u>uPVC Pressure pipes and fittings</u></b><br/>Pipes for water supply shall be of the class stated.</p> <p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings.</p> <p>Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints.</p> <p>3      <b><u>Copper pipes</u></b><br/>Pipes shall be hard drawn and half hard pipes of the class stated.<br/>Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half hard), class 2 (half hard) and class 3 (heavy walled half hard) pipes shall only be bent with benders with inner and outer formers.</p> <p>Fittings to copper waste, vent and anti syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" or other equal and approved. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.</p> <p>4      <b><u>Fixing of pipes</u></b><br/>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level.</p> <p>5      <b><u>Reducing fittings</u></b><br/>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.</p> <p>6      <b><u>Wire gratings</u></b><br/>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings.</p> <p>Bill No. 22<br/>PLUMBING AND DRAINAGE</p> <p style="text-align: right;">Initial here.....</p> |             |             |

| <u>Item No</u>                               |  | <u>Unit</u>   | <u>Rate</u> |
|--|--|---|-------------|
| 7  | <p><b><u>Laying, backfilling, bedding, etc of pipes</u></b><br/>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.</p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:</p> <p style="padding-left: 40px;">SABS 1200 L : Medium-pressure pipelines<br/>LD : Sewers<br/>LE : Stormwater drainage</p> <p>Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200:</p> <p style="padding-left: 40px;">DB : Earthworks (Pipe trenches)</p> <p>Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200</p> <p style="padding-left: 40px;">LB : Bedding (Pipes).</p> <p>Unless otherwise described bedding of rigid pipes shall be class B bedding.</p> |   |             |
| 8  | <p><b><u>Flush pans</u></b><br/>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary.</p>  |   |             |
| 9  | <p><b><u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u></b><br/>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.</p>  |   |             |
| 10   | <p><b><u>Waste unions</u></b><br/>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.</p>  |   |             |
| 11   | <p><b><u>"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd or other equal and approved.</u></b><br/>All galvanised mild steel pipes laid in ground are to be taped and shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described.</p>  |   |             |
| <p>Bill No. 22<br/>PLUMBING AND DRAINAGE</p> |  | <p style="text-align: right;">Initial here.....</p> |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>RAINWATER DISPOSAL</u></b>   |             |             |
|                | <b><u>Fibre cement box gutters and downpipes with all joints sealed with mastic jointing compound</u></b>                    |             |             |
| 1606           | 150 x 125 x 150mm VHV eaves gutter with aluminium alloy gutter brackets at 350mm centres to form pattern and fixed to fascia | m           | 593.31      |
| 1607           | Extra over gutter for stopped end  | No          | 234.61      |
| 1608           | Extra over gutter for 90° angle  | No          | 607.72      |
| 1609           | Extra over gutter for centre outlet with nozzle for and joint to 100 x 75mm rainwater downpipe including grating             | No          | 553.64      |
| 1610           | 100 x 75mm Rainwater downpipe fixed to walls with standard aluminium alloy brackets  | m           | 399.30      |
| 1611           | Extra over down pipe for outlet shoe   | No          | 655.33      |
| 1612           | Extra over down pipe for swan neck 305mm projection  | No          | 924.04      |
| 1613           | Extra over down pipe for swan neck 610mm projection  | No          | 1,123.29    |
| 1614           | Extra over down pipe for swan neck 915mm projection  | No          | 1,303.71    |
|                | <b><u>0.8mm Galvanised sheet iron in</u></b>   |             |             |
| 1615           | 100mm Half round eaves gutter fixed to edge of roof sheeting and purlin with standard brackets                               | m           | 249.87      |
| 1616           | Extra over gutter for stopped end  | No          | 113.78      |
| 1617           | Extra over gutter for 90° angle  | No          | 642.45      |
| 1618           | Extra over gutter for 100 x 75mm outlet including wire balloon grating   | No          | 186.24      |
| 1619           | 125 x 100 x 125mm VHV eaves gutter fixed to edge of roof sheeting and purlin with standard brackets                          | m           | 320.15      |
| 1620           | Extra over gutter for stopped end  | No          | 132.30      |
| 1621           | Extra over gutter for 90° angle  | No          | 730.38      |
| 1622           | Extra over gutter for 100 x 75mm outlet including wire balloon grating   | No          | 261.78      |
| 1623           | 100 x 75mm Rainwater down pipe fixed to walls with standard brackets   | m           | 384.25      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE   |             |             |
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| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 1624           | Extra over down pipe for outlet shoe   | No          | 212.00      |
| 1625           | Extra over down pipe for swan neck 305mm projection  | No          | 445.32      |
| 1626           | Extra over down pipe for swan neck 610mm projection  | No          | 486.34      |
| 1627           | Extra over down pipe for swan neck 915mm projection  | No          | 512.67      |
|                | <b><u>PVC gutters and downpipes</u></b>  |             |             |
| 1628           | 110mm Square profile eaves gutter with beaded front edge fixed with standard fascia brackets | m           | 201.47      |
| 1629           | Extra over gutter for stopped end  | No          | 80.41       |
| 1630           | Extra over gutter for 90° angle  | No          | 238.41      |
| 1631           | Extra over gutter for 110mm square outlet including wire balloon grating                     | No          | 212.11      |
| 1632           | 110mm Square profile rainwater down pipe fixed to walls with standard brackets               | m           | 236.54      |
| 1633           | Extra over down pipe for outlet shoe   | No          | 112.37      |
| 1634           | Extra over down pipe for swan neck 305mm projection  | No          | 343.92      |
| 1635           | Extra over down pipe for swan neck 610mm projection  | No          | 357.31      |
| 1636           | Extra over down pipe for swan neck 915mm projection  | No          | 403.00      |
|                | <b><u>uPVC class 9 pipes</u></b>   |             |             |
| 1637           | 110mm Pipe cast into concrete column or wall   | m           | 215.63      |
| 1638           | Extra over downpipe for 110mm bend   | No          | 396.55      |
|                | <b><u>'Full-Flow' cast iron roof outlets</u></b>   |             |             |
| 1639           | 100mm Vertical roof outlet including adaptor coupling and connection to PVC pipe             | No          | 2,780.13    |
| 1640           | 100mm Side outlet roof outlet including adaptor coupling and connection to PVC pipe          | No          | 3,353.16    |
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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>SANITARY FITTINGS</u></b>   |             |             |
|                | Note:<br><br>All sanitary fittings are to be sealed all round with an approved silicone sealant where they abut against other surfaces. |             |             |
|                | <b><u>Stainless steel</u></b>   |             |             |
| 1641           | Wash hand basin size 520 x 430mm with tiling key and fixed to walls with and including standard brackets                                | No          | 2,929.33    |
| 1642           | Double wash hand basin size 1012 x 43mm with tiling key and fixed to walls with and including standard brackets                         | No          | 12,148.33   |
| 1643           | Single compartment wall hung wash trough size 542 x 430 x 300mm deep and fixed to walls with and including standard brackets            | No          | 3,651.87    |
| 1644           | Double compartment wall hung wash trough size 1030 x 430 x 300mm deep and fixed to walls with and including standard brackets           | No          | 5,477.04    |
| 1645           | Wall hung bowl urinal complete with spreader, 40mm waste outlet and domical grating fixed to walls                                      | No          | 6,109.08    |
| 1646           | Floor mounted w.c pan without slats fixed to floor  | No          | 12,029.24   |
| 1647           | 11 Litre low level cistern with beta valve, handle, ball valve and flush pipe   | No          | 5,053.04    |
| 1648           | Single end bowl inset sink and drainer unit size 900 x 500mm  | No          | 3,214.72    |
| 1649           | Double end bowl inset sink and drainer unit size 1200 x 500mm   | No          | 5,291.81    |
| 1650           | Double centre bowl inset sink and drainer unit size 1500 x 500mm  | No          | 6,385.77    |
| 1651           | Drip sink size 535 x 454mm with hinged bucket grating and square stainless steel wall brackets fixed to wall                            | No          | 8,641.04    |
|                | <b><u>White vitreous china or glazed fireclay</u></b>   |             |             |
| 1652           | Basin size 510 x 405mm with two tapholes bolted to walls  | No          | 1,120.29    |
| 1653           | Basin size 560 x 400mm with two tap holes fixed to walls with and including semi-concealed cast iron brackets                           | No          | 3,732.07    |
| 1654           | Cloakroom basin size 455 x 290mm with one taphole bolted to walls   | No          | 877.60      |
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|----------------|---|-------------|-------------|
| 1655           | Self-rimming oval shaped drop-in basin size 595 x 455mm with one tap hole mounted on vanity top (elsewhere measured)  | No          | 2,564.78    |
| 1656           | Medical basin size 510 x 400mm complete with chrome plated standing overflow tube fixed to walls with and including concealed hanger bracket  | No          | 3,529.66    |
| 1657           | Laboratory sink size 435 x 335 x 180mm fixed to wall or to underside of slab  | No          | 5,809.77    |
| 1658           | Low level w.c. suite comprising wash down pan, matching 9 litre low level cistern with lid and fittings, flush pipe and heavy duty double flap and seat fixed to wall and floor   | No          | 3,482.71    |
| 1659           | Low level close coupled w.c. suite comprising wash down pan with matching 9 litre low level cistern with lid and fittings and heavy duty double flap and seat fixed to wall and floor                                     | No          | 4,909.59    |
| 1660           | Low level paraplegic w.c. suite comprising wash down pan, matching 9 litre low level cistern with lid and fittings, purpose made side-flush lever, flush pipe and heavy duty double flap and seat fixed to wall and floor | No          | 10,944.58   |
| 1661           | Wall hung flat back urinal complete with spreader and chromium plated domical grating fixed to walls  | No          | 4,734.29    |
|                | <b><u>Polyethylene, duranite, etc</u></b>   |             |             |
| 1662           | 9 Litre low-level duranite w.c. cistern complete with flushing mechanism, flush lever and flush pipe  | No          | 5,005.86    |
| 1663           | 9 Litre high-level duranite w.c. cistern complete with flushing mechanism, flush lever and flush pipe   | No          | 5,456.53    |
| 1664           | Polyethylene wc pan with 9 litre duranite low level cistern with extended flush pipe and chromium plated remote flushing control  | No          | 5,513.98    |
| 1665           | Polyethylene water saving wc suite complete with wash down pan, low level 9 litre duranite cistern, flush pipe, flushing mechanism and double flap heavy duty plastic seat  | No          | 4,643.54    |
| 1666           | Polyethylene wall hung bowl urinal complete with spreader and domical urinal outlet union   | No          | 2,313.05    |
|                | <b><u>Porcelain enamelled steel baths</u></b>   |             |             |
| 1667           | Bath size 1700 x 700mm with adjustable feet, anti-slip finish and chrome handles  | No          | 14,150.75   |
|                | <b><u>WASTE UNIONS ETC</u></b>  |             |             |
|                | <b><u>Chromium plated brass</u></b>   |             |             |
| 1668           | 32mm Basin waste union with vulcanite plug and chromium plated chain and stay   | No          | 211.43      |
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| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 1669           | 40mm Bath or sink waste union with vulcanite plug and chromium plated chain and stay   | No          | 268.75      |
|                | <b><u>Vulcathene</u></b>   |             |             |
| 1670           | 38mm Basin waste union with vulcanite plug and chromium plated chain and stay  | No          | 1,282.76    |
|                | <b><u>TRAPS ETC</u></b>  |             |             |
|                | <b><u>uPVC</u></b>   |             |             |
| 1671           | 40mm Deep seal 'P' or 'S' trap   | No          | 142.77      |
| 1672           | 32mm Bottle trap including tailpipe and wall flange  | No          | 306.20      |
| 1673           | 40mm Bottle trap including tailpipe and wall flange  | No          | 339.64      |
| 1674           | Spazio No 1 plumbing kit complete with waste fittings  | No          | 389.86      |
| 1675           | Spazio No 2 plumbing kit complete with waste fittings  | No          | 479.52      |
|                | <b><u>Chromium plated brass</u></b>  |             |             |
| 1676           | 32mm Bottle trap including tailpipe and wall flange  | No          | 526.50      |
| 1677           | 40mm Bottle trap including tailpipe and wall flange  | No          | 586.33      |
| 1678           | 40mm Bath P-trap with combined overflow outlet pipe  | No          | 444.83      |
| 1679           | 40mm Shower trap with chromium plated grating  | No          | 773.53      |
|                | <b><u>Butyl rubber</u></b>   |             |             |
| 1680           | 32mm Deep seal 'P' or 'S' trap   | No          | 198.35      |
| 1681           | 40mm Deep seal 'P' or 'S' trap   | No          | 201.27      |
|                | <b><u>Vulcathene</u></b>   |             |             |
| 1682           | 40mm Deepseal 'P' or 'S' trap  | No          | 163.49      |
|                | <b><u>Floor drains and grease treaps</u></b>   |             |             |
| 1683           | Stainless steel floor trap to suit 100mm outlet pipe and with 200 x 200mm perforated inlet floor grating and connection to uPVC pipe, including adaptor coupling | No          | 4,013.40    |
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| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 1684           | Stainless steel single basket strainer / trap size 600 x 450 x 400mm and connections to uPVC waste pipes | No          | 30,725.50   |
|                | <b><u>TAPS, VALVES, ETC</u></b>  |             |             |
|                | <b><u>Gate valves, strainers, etc</u></b>  |             |             |
| 1685           | 15mm Brass fullway ballcock with handle  | No          | 183.44      |
| 1686           | 20mm Brass fullway ballcock with handle  | No          | 197.17      |
| 1687           | 25mm Brass fullway ballcock with handle  | No          | 284.79      |
| 1688           | 15mm Brass fullway gate valve  | No          | 302.28      |
| 1689           | 20mm Brass fullway gate valve  | No          | 333.22      |
| 1690           | 25mm Brass fullway gate valve  | No          | 536.78      |
| 1691           | 32mm Brass fullway gate valve  | No          | 902.02      |
| 1692           | 40mm Brass fullway gate valve  | No          | 1,093.85    |
| 1693           | 50mm Brass fullway gate valve  | No          | 1,556.00    |
| 1694           | 65mm Brass fullway gate valve  | No          | 2,300.71    |
| 1695           | 80mm Brass fullway gate valve  | No          | 3,770.78    |
| 1696           | 100mm Brass fullway gate valve   | No          | 6,481.24    |
| 1697           | 15mm Brass in-line strainer  | No          | 284.82      |
| 1698           | 20mm Brass in-line strainer  | No          | 375.74      |
| 1699           | 25mm Brass in-line strainer  | No          | 649.91      |
| 1700           | 20mm Brass non-return valve  | No          | 357.59      |
| 1701           | 25mm Brass non-return valve  | No          | 727.81      |
| 1702           | 32mm Brass non-return valve  | No          | 583.40      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE   |             |             |
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| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>Vacuum breakers, relief valves, etc</u></b>   |             |             |
| 1703           | 15mm Vacuum breaker   | No          | 234.61      |
| 1704           | 20mm Vacuum breaker   | No          | 510.72      |
| 1705           | 20mm Expansion relief valve (200kPa)  | No          | 892.03      |
| 1706           | 20mm Expansion relief valve (400kPa)  | No          | 932.92      |
| 1707           | 20mm 'Masterflo' 200KPa pressure reducing valve with strainer and integral non-return valve | No          | 2,787.43    |
| 1708           | 20mm 'Masterflo' 400KPa pressure reducing valve with strainer and integral non-return valve | No          | 2,224.92    |
|                | <b><u>Water meters of semi-positive rotary piston type with flanged connections</u></b>     |             |             |
| 1709           | 20mm Water meter  | No          | 2,306.38    |
| 1710           | 25mm Water meter  | No          | 3,722.90    |
| 1711           | 40mm Water meter  | No          | 7,323.46    |
| 1712           | 50mm Water meter  | No          | 11,962.20   |
|                | <b><u>Brass taps</u></b>  |             |             |
| 1713           | 20mm Hose bib tap with hose union   | No          | 520.43      |
| 1714           | 20mm Hose bib tap with lock shield, loose key and hose union                                | No          | 1,193.08    |
| 1715           | 15mm Stop tap   | No          | 507.92      |
| 1716           | 20mm Stop tap   | No          | 671.45      |
| 1717           | 25mm Stop tap   | No          | 1,539.99    |
| 1718           | 15mm Push button bib tap  | No          | 2,056.26    |
| 1719           | 20mm Push button bib tap  | No          | 1,909.51    |
|                | <b><u>Chrome plated brass taps and sundries</u></b>   |             |             |
| 1720           | 15mm Extension piece 75mm long  | No          | 264.73      |
| 1721           | 20mm Extension piece 75mm long  | No          | 267.89      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE  |             |             |
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| <u>Item No</u>   |  | <u>Unit</u> | <u>Rate</u> |
|--|--|-------------|-------------|
| 1722   | 10mm Stainless steel braided connector pipe 315mm girth with chromium plated connectors both ends bent as required                             | No          | 132.91      |
| 1723   | 15mm Angle regulating valve only   | No          | 182.87      |
| 1724   | 15mm Angle regulating valve with 10mm chromium plated copper service pipe 300mm girth bent as required   | No          | 337.49      |
| 1725   | 15mm Angle regulating valve with stainless steel braided connector pipe 315mm girth with chromium plated connectors both ends bent as required | No          | 262.70      |
| 1726   | 15mm Toilet bib tap  | No          | 807.52      |
| 1727   | 20mm Toilet bib tap  | No          | 1,176.86    |
| 1728   | 15mm Hose bib tap without hose union   | No          | 1,099.32    |
| 1729   | 15mm Hose bib tap with hose union  | No          | 1,373.49    |
| 1730   | 15mm Raised nose pillar tap  | No          | 2,126.62    |
| 1731   | 20mm Raised nose pillar tap  | No          | 2,094.52    |
| 1732   | 15mm Square pattern pillar tap with aerator  | No          | 1,635.45    |
| 1733   | 20mm Square pattern pillar tap with aerator  | No          | 1,862.98    |
| 1734   | 15mm Underwall pattern stop tap with cover plate   | No          | 1,183.10    |
| 1735   | 20mm Underwall pattern stop tap with cover plate   | No          | 1,916.27    |
| 1736   | 15mm Wall type sink mixer with overarm swivel outlet   | No          | 4,388.96    |
| 1737   | 15mm Pillar type sink mixer with overarm swivel outlet   | No          | 1,971.48    |
| 1738   | 15mm Single taphole basin mixer with swivel outlet, pop-up waste and angle regulating valves   | No          | 4,488.94    |
| 1739   | 15mm Single taphole sink mixer with swivel outlet and angle regulating valves  | No          | 5,514.09    |
| 1740   | 20mm Wall type bath mixer  | No          | 8,506.37    |
| 1741   | 20mm Wall type bath mixer with diverter spout, conical cradle and handshower with flexible tube  | No          | 9,228.05    |
| 1742   | 15mm Shower rose 85mm diameter   | No          | 486.16      |
| <p>Bill No. 22<br/>PLUMBING AND DRAINAGE</p> <p style="text-align: right;">Initial here.....</p> |  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1743           | 15mm Shower arm with cover plate  | No          | 264.89      |
| 1744           | 15mm Underwall type shower cubicle set comprising two underwall pattern stop taps with cover plates, overhead shower arm and adjustable shower rose | No          | 5,036.62    |
|                | <b><u>Chromium plated brass medical taps and mixers</u></b>   |             |             |
| 1745           | 15mm Elbow action pillar tap  | No          | 3,401.09    |
| 1746           | 15mm Elbow action hose bib tap without hose union   | No          | 3,064.96    |
| 1747           | 15mm Elbow action pillar type medical mixer with swanneck swivel outlet   | No          | 9,568.29    |
| 1748           | 15mm Elbow action wall type medical mixer with swivel outlet  | No          | 13,540.54   |
|                | <b><u>Special valves and fittings</u></b>   |             |             |
| 1749           | 15mm 'Vandalmaster' chromium plated shower head   | No          | 2,232.62    |
| 1750           | 15mm 'Walcro CIRS-JS' chromium plated vandal resistant shower head  | No          | 1,759.55    |
| 1751           | 15mm 'Armaturen Brauch Wassermischer Thermostatic' 702 low pressure mixer   | No          | 15,417.74   |
| 1752           | 20mm FJ6.000CP 'Flushmaster Junior' urinal flush valve only   | No          | 4,385.69    |
| 1753           | 20mm FM1.104 'Flushmaster Econoflush' exposed toilet flush valve complete with flush pipe   | No          | 7,613.85    |
| 1754           | 32mm 'Flushmaster' FM 1.100 chromium plated toilet rear entry flush valve complete with flush pipe  | No          | 11,622.07   |
|                | <b><u>ELECTRIC HOT WATER GEYSERS AND HEATERS</u></b>  |             |             |
|                | <b><u>Polyethylene geyser drip trays</u></b>  |             |             |
| 1755           | Geyser drip tray size 760 x 760mm   | No          | 562.73      |
| 1756           | Geyser drip tray size 1200 x 600mm  | No          | 606.87      |
| 1757           | Gesyer drip tray size 1650 x 600mm  | No          | 706.32      |
| 1758           | Geyser drip tray size 1940 x 600mm  | No          | 879.11      |
|                | <b><u>Hot water geysers to 600kPa</u></b>   |             |             |
| 1759           | 50 Litre Geyser for horizontal or vertical installation   | No          | 8,629.40    |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u>  |  | <u>Unit</u> | <u>Rate</u> |
|---|--|-------------|-------------|
| 1760  | 100 Litre Geyser for horizontal or vertical installation               | No          | 7,458.02    |
| 1761  | 150 Litre Geyser for horizontal or vertical installation               | No          | 7,992.13    |
| 1762  | 200 Litre Geyser for horizontal or vertical installation               | No          | 14,199.64   |
| <b><u>Water heaters</u></b>   |  |             |             |
| 1763  | 5 Litre oversink wall mounted electric water heater                    | No          | 4,596.61    |
| 1764  | 10 Litre oversink wall mounted electric water heater                   | No          | 8,664.57    |
| 1765  | 10 Litre undersink wall mounted electric water heater                  | No          | 5,533.76    |
| <b><u>Solar water geysers and panels complete with painted support framework</u></b>  |  |             |             |
| Note :  |  |             |             |
| The solar water geysers and panels are to be mounted on galvanised sheet iron roofs with a pitch of 15°.  |  |             |             |
| Prices must include for the necessary framework to support the solar water geysers and panels as well as connecting the solar water geysers to water pipework.                            |  |             |             |
| <b><u>The solar water geysers and panels must be installed by the specialist supplier of the geysers and panels.</u></b>  |  |             |             |
| 1766  | 150 Litre geyser with solar panels and 1.8kW electrical backup element | No          | 44,297.66   |
| 1767  | 200 Litre geyser with solar panels and 1.8kW electrical backup element | No          | 52,438.93   |
| 1768  | 300 Litre geyser with solar panels and 2.4kW electrical backup element | No          | 74,851.10   |
| <b><u>WATER SUPPLY PIPES</u></b>  |  |             |             |
| <b><u>Class 12 HDPE type IV water pipes including all straight joints and connectors laid in ground in trenches not less than 600mm deep, including excavations, backfilling, etc</u></b> |  |             |             |
| 1769  | 20mm Pipes laid in ground in trenches                                  | m           | 54.30       |
| 1770  | 25mm Pipes laid in ground in trenches                                  | m           | 61.87       |
| 1771  | 32mm Pipes laid in ground in trenches                                  | m           | 79.21       |
| 1772  | 40mm Pipes laid in ground in trenches                                  | m           | 109.02      |
| Bill No. 22<br>PLUMBING AND DRAINAGE  |  |             |             |
| Initial here.....   |  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1773           | 50mm Pipes laid in ground in trenches   | m           | 143.12      |
| 1774           | 63mm Pipes laid in ground in trenches   | m           | 183.51      |
|                | <b><u>Extra over HDPE pipes for the following compression fittings</u></b>  |             |             |
| 1775           | 20mm Fittings   | No          | 44.19       |
| 1776           | 25mm Fittings   | No          | 54.94       |
| 1777           | 32mm Fittings   | No          | 78.40       |
| 1778           | 40mm Adaptor coupling   | No          | 165.56      |
| 1779           | 50mm Adaptor coupling   | No          | 271.43      |
| 1780           | 63mm Adaptor coupling   | No          | 443.40      |
| 1781           | 40mm Reducing coupling  | No          | 157.16      |
| 1782           | 50mm Reducing coupling  | No          | 260.94      |
| 1783           | 63mm Reducing coupling  | No          | 420.54      |
| 1784           | 40mm Elbow  | No          | 196.53      |
| 1785           | 50mm Elbow  | No          | 331.72      |
| 1786           | 63mm Elbow  | No          | 530.89      |
| 1787           | 40mm Equal tee  | No          | 280.87      |
| 1788           | 50mm Equal tee  | No          | 480.83      |
| 1789           | 63mm Equal tee  | No          | 794.57      |
|                | <b><u>Class 9 uPVC water pipes and fittings including all straight joints and connectors laid in ground in trenches not less than 600mm deep, including excavations, backfilling, etc</u></b> |             |             |
| 1790           | 40mm Pipes laid in ground in trenches   | m           | 100.13      |
| 1791           | 50mm Pipes laid in ground in trenches   | m           | 120.80      |
| 1792           | 63mm Pipes laid in ground in trenches   | m           | 142.22      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u>  |  | <u>Unit</u> | <u>Rate</u> |
|---|--|-------------|-------------|
| 1793  | 90mm Pipes laid in ground in trenches  | m           | 220.87      |
| 1794  | 110mm Pipes laid in ground in trenches | m           | 253.03      |
| <b><u>Extra over class 9 uPVC pressure pipes for solvent welded pressure fittings</u></b>         |  |             |             |
| 1795  | 40mm Socket adaptor coupling           | No          | 38.74       |
| 1796  | 50mm Socket adaptor coupling           | No          | 47.16       |
| 1797  | 63mm Socket adaptor coupling           | No          | 59.54       |
| 1798  | 90mm Socket adaptor coupling           | No          | 241.35      |
| 1799  | 110mm Socket adaptor coupling          | No          | 285.99      |
| 1800  | 40mm Straight reducing piece           | No          | 27.29       |
| 1801  | 50mm Straight reducing piece           | No          | 35.31       |
| 1802  | 63mm Straight reducing piece           | No          | 33.18       |
| 1803  | 90mm Straight reducing piece           | No          | 107.43      |
| 1804  | 110mm Straight reducing piece          | No          | 168.84      |
| 1805  | 40mm Elbow                             | No          | 48.01       |
| 1806  | 50mm Elbow                             | No          | 48.33       |
| 1807  | 63mm Elbow                             | No          | 95.50       |
| 1808  | 90mm Elbow                             | No          | 280.77      |
| 1809  | 110mm Elbow                            | No          | 358.25      |
| 1810  | 40mm Equal tee                         | No          | 67.12       |
| 1811  | 50mm Equal tee                         | No          | 77.00       |
| 1812  | 63mm Equal tee                         | No          | 125.78      |
| 1813  | 90mm Equal tee                         | No          | 373.54      |
| 1814  | 100mm Equal tee                        | No          | 416.31      |
| <div> <div>Bill No. 22</div> <div>PLUMBING AND DRAINAGE</div> <div>Initial here.....</div> </div> |  |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>Class 12 uPVC water pipes and fittings including all straight joints and connectors laid in ground in trenches not less than 600mm deep, including excavations, backfilling, etc</u></b> |             |             |
| 1815           | 40mm Pipes laid in ground in trenches  | m           | 113.04      |
| 1816           | 50mm Pipes laid in ground in trenches  | m           | 135.89      |
| 1817           | 63mm Pipes laid in ground in trenches  | m           | 177.81      |
| 1818           | 90mm Pipes laid in ground in trenches  | m           | 277.71      |
| 1819           | 110mm Pipes laid in ground in trenches   | m           | 316.78      |
|                | <b><u>Extra over class 12 uPVC pressure pipes for solvent welded pressure fittings</u></b>   |             |             |
| 1820           | 40mm Socket adaptor coupling   | No          | 36.52       |
| 1821           | 50mm Socket adaptor coupling   | No          | 49.39       |
| 1822           | 63mm Socket adaptor coupling   | No          | 60.65       |
| 1823           | 90mm Socket adaptor coupling   | No          | 244.86      |
| 1824           | 110mm Socket adaptor coupling  | No          | 324.70      |
| 1825           | 40mm Straight reducing piece   | No          | 27.46       |
| 1826           | 50mm Straight reducing piece   | No          | 35.48       |
| 1827           | 63mm Straight reducing piece   | No          | 44.88       |
| 1828           | 90mm Straight reducing piece   | No          | 108.90      |
| 1829           | 110mm Straight reducing piece  | No          | 171.24      |
| 1830           | 40mm Elbow   | No          | 46.31       |
| 1831           | 50mm Elbow   | No          | 50.65       |
| 1832           | 63mm Elbow   | No          | 91.07       |
| 1833           | 90mm Elbow   | No          | 288.11      |
| 1834           | 110mm Elbow  | No          | 443.89      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE   |             |             |
|                | Initial here.....  |             |             |



| <u>Item No</u>   |   | <u>Unit</u> | <u>Rate</u> |
|--|---|-------------|-------------|
| 1835   | 40mm Equal tee  | No          | 84.96       |
| 1836   | 50mm Equal tee  | No          | 97.71       |
| 1837   | 63mm Equal tee  | No          | 117.42      |
| 1838   | 90mm Equal tee  | No          | 258.75      |
| 1839   | 100mm Equal tee   | No          | 394.54      |
| <b><u>Hard drawn thin walled class 0 copper pipes to SABS 460 including all straight joints and connectors</u></b> |   |             |             |
| 1840   | 15mm Pipe fixed or chased into walls                                | m           | 116.64      |
| 1841   | 22mm Pipe fixed or chased into walls                                | m           | 189.05      |
| 1842   | 28mm Pipe fixed or chased into walls                                | m           | 238.13      |
| 1843   | 35mm Pipe fixed or chased into walls                                | m           | 431.74      |
| 1844   | 42mm Pipe fixed or chased into walls                                | m           | 655.73      |
| 1845   | 54mm Pipe fixed or chased into walls                                | m           | 1,146.83    |
| <b><u>Extra over class 0 copper pipes for brass capillary fittings</u></b>   |   |             |             |
| 1846   | 15mm Fittings (elbows, tees, reducing tees, adaptor couplings, etc) | No          | 25.95       |
| 1847   | 22mm Fittings (elbows, tees, reducing tees, adaptor couplings, etc) | No          | 39.94       |
| 1848   | 28mm Fittings (elbows, tees, reducing tees, adaptor couplings, etc) | No          | 89.88       |
| 1849   | 35mm Elbow  | No          | 103.26      |
| 1850   | 42mm Elbow  | No          | 193.80      |
| 1851   | 54mm Elbow  | No          | 308.88      |
| 1852   | 35mm Equal tee  | No          | 168.04      |
| 1853   | 42mm Equal tee  | No          | 313.95      |
| 1854   | 54mm Equal tee  | No          | 497.30      |
| Bill No. 22<br>PLUMBING AND DRAINAGE<br><div style="text-align: right;">Initial here.....</div>                    |   |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 1855           | 35mm Reducing tee  | No          | 200.68      |
| 1856           | 42mm Reducing tee  | No          | 321.00      |
| 1857           | 54mm Reducing tee  | No          | 536.76      |
| 1858           | 35mm Straight adaptor coupler  | No          | 82.51       |
| 1859           | 42mm Straight adaptor coupler  | No          | 115.40      |
| 1860           | 54mm Straight adaptor coupler  | No          | 164.71      |
|                | <b><u>Extra over class 0 copper pipes for brass compression fittings (conex)</u></b> |             |             |
| 1861           | 15mm Fittings (elbows, tees, reducing tees, adaptor couplings, etc)                  | No          | 84.76       |
| 1862           | 22mm Fittings (elbows, tees, reducing tees, adaptor couplings, etc)                  | No          | 135.23      |
| 1863           | 28mm Fittings (elbows, tees, reducing tees, adaptor couplings, etc)                  | No          | 318.94      |
| 1864           | 35mm Elbow   | No          | 442.61      |
| 1865           | 42mm Elbow   | No          | 461.25      |
| 1866           | 54mm Elbow   | No          | 1,068.99    |
| 1867           | 35mm Equal tee   | No          | 516.58      |
| 1868           | 42mm Equal tee   | No          | 650.18      |
| 1869           | 54mm Equal tee   | No          | 1,103.67    |
| 1870           | 35mm Reducing tee  | No          | 582.44      |
| 1871           | 42mm Reducing tee  | No          | 747.96      |
| 1872           | 54mm Reducing tee  | No          | 1,266.85    |
| 1873           | 35mm Straight adaptor coupler  | No          | 309.36      |
| 1874           | 42mm Straight adaptor coupler  | No          | 428.91      |
| 1875           | 54mm Straight adaptor coupler  | No          | 784.43      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE   |             |             |
|                | Initial here.....  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>Galvanised mild steel medium grade pipes including all straight joints and connectors</u></b> |             |             |
| 1876           | 15mm Pipe fixed or chased into walls  | m           | 116.29      |
| 1877           | 20mm Pipe fixed or chased into walls  | m           | 144.69      |
| 1878           | 25mm Pipe fixed or chased into walls  | m           | 181.65      |
| 1879           | 32mm Pipe fixed or chased into walls  | m           | 255.44      |
| 1880           | 40mm Pipe fixed or chased into walls  | m           | 242.13      |
| 1881           | 60mm Pipe fixed or chased into walls  | m           | 365.31      |
| 1882           | 65mm Pipe fixed or chased into walls  | m           | 547.33      |
| 1883           | 80mm Pipe fixed or chased into walls  | m           | 572.48      |
| 1884           | 100mm Pipe fixed or chased into walls   | m           | 833.70      |
|                | <b><u>Extra over galvanised steel pipes for steel fittings</u></b>                                  |             |             |
| 1885           | 15mm Fittings (elbows, tees, reducing tees, adaptor couplings, etc)                                 | No          | 22.97       |
| 1886           | 20mm Fittings (elbows, tees, reducing tees, adaptor couplings, etc)                                 | No          | 33.84       |
| 1887           | 25mm Fittings (elbows, tees, reducing tees, adaptor couplings, etc)                                 | No          | 41.13       |
| 1888           | 32mm Fittings (elbows, tees, reducing tees, adaptor couplings, etc)                                 | No          | 59.97       |
| 1889           | 40mm Elbow  | No          | 63.23       |
| 1890           | 50mm Elbow  | No          | 124.09      |
| 1891           | 65mm Elbow  | No          | 341.67      |
| 1892           | 80mm Elbow  | No          | 479.28      |
| 1893           | 100mm Elbow   | No          | 933.62      |
| 1894           | 40mm Equal tee  | No          | 79.05       |
| 1895           | 50mm Equal tee  | No          | 137.55      |
| 1896           | 65mm Equal tee  | No          | 505.92      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1897           | 80mm Equal tee  | No          | 623.45      |
| 1898           | 100mm Equal tee   | No          | 1,132.03    |
| 1899           | 40mm Reducing tee   | No          | 187.56      |
| 1900           | 50mm Reducing tee   | No          | 279.57      |
| 1901           | 65mm Reducing tee   | No          | 535.42      |
| 1902           | 80mm Reducing tee   | No          | 797.02      |
| 1903           | 100mm Reducing tee  | No          | 1,441.00    |
| 1904           | 40mm Reducing tee   | No          | 237.39      |
| 1905           | 80 x 25mm Multi-step reducer  | No          | 262.72      |
| 1906           | 100 x 80mm Reducer  | No          | 470.02      |
| 1907           | 80 x 40mm Reducing bush   | No          | 245.27      |
| 1908           | 80 x 50mm Reducing bush   | No          | 245.87      |
| 1909           | 80 x 65mm Reducing bush   | No          | 249.73      |
| 1910           | 100 x 65mm Reducing bush  | No          | 978.81      |
| 1911           | 100mm Non-return valve  | No          | 6,477.95    |
| 1912           | 80mm Long radius flanged bend   | No          | 2,655.99    |
| 1913           | 100mm Long radius flanged bend  | No          | 2,399.92    |
| 1914           | 100mm Flanged puddle piece  | No          | 2,538.00    |
| 1915           | 100mm Flanged distance piece  | No          | 2,385.44    |
| 1916           | 100mm 'Viking Johnson' flanged adaptor coupling                               | No          | 2,127.88    |
|                | <b><u>PEX/AL/PEX Multilayer polygon pipes or other equal and approved</u></b> |             |             |
| 1917           | 16mm Pipe fixed or chased into walls  | m           | 78.33       |
| 1918           | 20mm Pipe fixed or chased into walls  | m           | 120.06      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1919           | 25mm Pipe fixed or chased into walls  | m           | 146.19      |
| 1920           | 32mm Pipe fixed or chased into walls  | m           | 202.80      |
|                | <b><u>Extra over Pex/Al/Pex pipes for press-type with crimping brass fittings</u></b>   |             |             |
| 1921           | 16mm Fittings   | No          | 98.61       |
| 1922           | 20mm Fittings   | No          | 151.33      |
| 1923           | 25mm Fitting  | No          | 198.19      |
| 1924           | 32mm Elbow  | No          | 308.92      |
| 1925           | 32mm Straight Union   | No          | 183.27      |
| 1926           | 32mm Straight reducer   | No          | 175.33      |
| 1927           | 32mm Tee  | No          | 393.16      |
| 1928           | 32mm Reducing tee   | No          | 323.41      |
|                | <b><u>FIRE APPLIANCES</u></b>   |             |             |
| 1929           | 'Everyway' hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket  | No          | 10,850.09   |
| 1930           | 25mm 'Saunders' type A diaphragm isolating valve  | No          | 1,972.96    |
| 1931           | 4.5Kg dry chemical powder fire extinguisher fixed to and including 22 x 300 x 400mm hardwood backing board chamfered all round and plugged to walls, including painting with one coat primer, one coat undercoat and two coats gloss enamel paint | No          | 1,766.27    |
| 1932           | 9kg Carbon dioxide fire extinguisher fixed to and including 22 x 300 x 400mm hardwood backing board chamfered all round and plugged to walls, including painting with one coat primer, one coat undercoat and two coats gloss enamel paint        | No          | 2,064.99    |
| 1933           | 80 x 65mm Brass double booster pump connection with caps and chains   | No          | 5,337.70    |
| 1934           | 80 x 65mm Brass right angle hydrant valve with cap and chain  | No          | 4,194.41    |
| 1935           | 100mm Diameter 1500 kPa pressure gauge syphon and stopcock including tapped hole in steel pipe  | No          | 2,252.03    |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>SUNDRIES TO WATER SUPPLIES</u></b>  |             |             |
| 1936           | Concrete class 15MPa in thrust blocks around bends, tees, etc. including all necessary additional excavation, casing, etc.  | m3          | 3,533.39    |
| 1937           | 110mm uPVC pipe 1500mm long filled with class 20MPa concrete in stand pipe pedestal with bottom 600mm set into ground, including all excavation, etc  | No          | 415.34      |
| 1938           | Unreinforced concrete hydrant pedestal 900mm high cast around vertical pipe with bottom 300mm below ground, 300 x 300mm square at base and tapering to octagonal shaped top 200 x 200mm overall including necessary excavation, formwork and two coats of paint to exposed surfaces | No          | 1,586.49    |
| 1939           | 450 x 450mm Cast iron stopcock box including brick chamber below not exceeding 750mm deep internally complete with cast iron meter box type 10A size 300 x 200 x 150mm high overall   | No          | 2,525.74    |
| 1940           | Valve box chamber size 600 x 900mm and 900mm deep internally formed of 100mm thick concrete class 25MPa base and half brick walls, single seal light duty rectangular cover and frame 600 x 450mm, including all excavation, concrete, casing, etc                                  | No          | 3,651.35    |
|                | <b><u>LAGGING TO HOT WATER PIPES</u></b>  |             |             |
|                | <b><u>Fibreglass snap-on canvas covered sections</u></b>  |             |             |
| 1941           | Insulation 20mm thick to 15mm pipes and fittings  | m           | 118.38      |
| 1942           | Insulation 20mm thick to 22mm pipes and fittings  | m           | 141.30      |
| 1943           | Insulation 20mm thick to 28mm pipes and fittings  | m           | 173.76      |
|                | <b><u>INTERNAL SOIL, WASTE AND VENT PIPING</u></b>  |             |             |
|                | <b><u>uPVC soil, waste and vent pipes including all straight joints and connectors</u></b>  |             |             |
| 1944           | 40mm Pipe fixed or chased into walls  | m           | 37.66       |
| 1945           | 50mm Pipe fixed or chased into walls  | m           | 54.96       |
| 1946           | 110mm Pipe fixed  | m           | 126.66      |
| 1947           | 40mm Pipes laid in ground under solid floors  | m           | 38.51       |
| 1948           | 50mm Pipes laid in ground under solid floors  | m           | 56.81       |
| 1949           | 110mm Pipes laid in ground under solid floors   | m           | 126.91      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>Extra over uPVC pipes for fittings</u></b> |             |             |
| 1950           | 40 x 40mm BSP adaptor                            | No          | 37.73       |
| 1951           | 50 x 50mm BSP adaptor                            | No          | 41.96       |
| 1952           | 50mm Reducer                                     | No          | 15.05       |
| 1953           | 110mm Eccentric reducer                          | No          | 133.32      |
| 1954           | 40mm Bend  | No          | 12.97       |
| 1955           | 50mm Bend  | No          | 20.38       |
| 1956           | 110mm Bend                                       | No          | 121.65      |
| 1957           | 40mm Access bend                                 | No          | 16.35       |
| 1958           | 50mm Access bend                                 | No          | 21.39       |
| 1959           | 110mm Access bend                                | No          | 185.32      |
| 1960           | 110mm Access bend with vent horn                 | No          | 212.82      |
| 1961           | 40mm Plain junction                              | No          | 23.50       |
| 1962           | 50mm Plain junction                              | No          | 27.68       |
| 1963           | 110mm Plain junction                             | No          | 194.48      |
| 1964           | 50mm Access junction                             | No          | 31.47       |
| 1965           | 110mm Access junction                            | No          | 335.78      |
| 1966           | 110mm Plain reducing junction                    | No          | 323.45      |
| 1967           | 110mm Access reducing junction                   | No          | 510.08      |
| 1968           | 110mm Double plain reducing junction             | No          | 977.55      |
| 1969           | 110mm Pan connector                              | No          | 115.61      |
| 1970           | 110mm Bent pan connector                         | No          | 185.77      |
| 1971           | 110mm Access stopend                             | No          | 206.15      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE             |             |             |
|                | Initial here.....                                |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
| 1972           | 50mm Air vent cowl   | No          | 25.30       |
| 1973           | 110mm Air vent cowl  | No          | 77.09       |
| 1974           | 50mm Two-way vent valve  | No          | 128.23      |
| 1975           | 110mm Two-way vent valve   | No          | 218.26      |
|                | <b><u>DRAINAGE</u></b>   |             |             |
|                | <b><u>SEWAGE PIPES AND FITTINGS</u></b>  |             |             |
|                | <b><u>Underground twin-wall uPVC structured wall pipes laid in ground, including excavations, backfilling, etc and all straight joints between pipes</u></b> |             |             |
| 1976           | 110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)  | m           | 148.86      |
| 1977           | 110mm Pipes laid in and including trenches not exceeding 1m deep   | m           | 196.78      |
| 1978           | 110mm Pipes laid in and including trenches exceeding 2m and not exceeding 3m deep  | m           | 244.70      |
| 1979           | 110mm Pipes laid in and including trenches exceeding 2m and not exceeding 3m deep  | m           | 292.62      |
| 1980           | 160mm Pipes laid in and including trenches not exceeding 1m deep   | m           | 271.91      |
| 1981           | 160mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep  | m           | 338.86      |
| 1982           | 160mm Pipes laid in and including trenches exceeding 2m and not exceeding 3m deep  | m           | 388.99      |
|                | <b><u>Extra over for the following fittings to underground twin-wall pipes</u></b>   |             |             |
| 1983           | 110mm Stop end   | No          | 61.69       |
| 1984           | 160mm Stop end   | No          | 158.99      |
| 1985           | 110mm Rodding eye  | No          | 178.37      |
| 1986           | 160mm Taper pipe   | No          | 148.02      |
| 1987           | 110mm Inspection pipe  | No          | 383.20      |
| 1988           | 110mm Plain bend   | No          | 226.84      |
| 1989           | 160mm Plain bend   | No          | 522.48      |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE   |             |             |
|                | Initial here.....  |             |             |



| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 1990           | 110mm Long radius bend  | No          | 726.44      |
| 1991           | 160mm Long radius bend  | No          | 1,025.64    |
| 1992           | 110mm Plain junction  | No          | 161.43      |
| 1993           | 160mm Plain junction  | No          | 984.49      |
| 1994           | 110mm Access junction   | No          | 325.96      |
| 1995           | 160mm Access junction   | No          | 612.22      |
| 1996           | 160mm Reducing plain junction   | No          | 386.01      |
| 1997           | 160mm Reducing access junction  | No          | 555.57      |
| 1998           | 110mm Overflow gulley head  | No          | 572.62      |
| 1999           | 110mm <u>Cast iron</u> 'ABC" cleaning eye   | No          | 506.86      |
|                | <b><u>UPVC Gulleys with gulley head and grating encased in concrete</u></b>   |             |             |
| 2000           | 110mm Gulley P-trap not exceeding 1m deep   | No          | 282.31      |
|                | <b><u>Inspection chambers</u></b>   |             |             |
|                | <b>Note:</b>  |             |             |
| 1              | All inspection chambers are to be built in accordance with SABS 1200.   |             |             |
| 2              | Inspection chambers are to be constructed of one brick walls on a 150mm thick concrete class 25mPa base projecting 150mm all round with a 150mm thick reinforced concrete class 25mPa cover slab reinforced with Y10 bars at 200mm centres in both directions and with opening for manhole cover and finished smooth on all exposed faces. Benching is to be of 1:2 cement mortar with glazed earthenware channels. Cast iron step irons are to be provided at 300mm centres. |             |             |
| 2001           | Excavate for and build inspection chamber size 900mm x 600mm internally and not exceeding 500mm deep to invert  | No          | 7,355.73    |
| 2002           | Excavate for and build inspection chamber size 900mm x 600mm internally and exceeding 500mm and not exceeding 1000mm deep to invert   | No          | 10,162.00   |
| 2003           | Excavate for and build inspection chamber size 900mm x 600mm internally and exceeding 1000mm and not exceeding 1500mm deep to invert  | No          | 12,523.81   |
|                | Bill No. 22<br>PLUMBING AND DRAINAGE  |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u>   |  | <u>Unit</u> | <u>Rate</u> |
|--|--|-------------|-------------|
| 2004   | Excavate for and build inspection chamber size 900mm x 600mm internally and exceeding 1500mm and not exceeding 2000mm deep to invert | No          | 15,174.47   |
| 2005   | Excavate for and build inspection chamber size 900mm x 900mm internally and exceeding 2000mm and not exceeding 2500mm deep to invert | No          | 17,231.14   |
| 2006   | Excavate for and build inspection chamber size 900mm x 900mm internally and exceeding 2500mm and not exceeding 3000mm deep to invert | No          | 19,535.04   |
| <b><u>Cast iron gratings, covers, etc</u></b>  |  |             |             |
| 2007   | 450 x 600mm Single seal manhole cover and frame type 9C (45kg)   | No          | 3,834.49    |
| 2008   | 450 x 600mm Single seal manhole cover and frame type 9D (68kg)   | No          | 5,324.45    |
| 2009   | 600 x 900mm Single seal manhole cover and frame type 9E (93kg)   | No          | 9,729.33    |
| 2010   | 900 x 900mm Single seal manhole cover and frame type (171kg)   | No          | 16,300.86   |
| 2011   | 450 x 600mm Double seal manhole cover and frame type 8A (72kg)   | No          | 5,864.20    |
| 2012   | 600 x 600mm Double seal manhole cover and frame type 8B (124kg)  | No          | 9,558.07    |
| 2013   | 600 x 760mm Double seal manhole cover and frame type 10B (154kg)   | No          | 9,851.50    |
| 2014   | 550mm Diameter circular manhole cover and frame type 4 (82kg)  | No          | 5,699.16    |
| 2015   | 550mm Diameter circular manhole cover and frame type 2B (183kg)  | No          | 12,794.94   |
| 2016   | 550mm Diameter circular manhole cover and frame type 2A (190kg)  | No          | 9,577.78    |
| 2017   | 650mm Diameter circular manhole cover and frame type 1B (135kg)  | No          | 11,610.09   |
| 2018   | 650mm Diameter circular manhole cover and frame type 1A (204kg)  | No          | 18,041.01   |
| <p>Bill No. 22<br/>PLUMBING AND DRAINAGE</p> <p style="text-align: right;">Initial here.....</p> |  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <p><b><u>Septic tanks</u></b></p> <p><b>Note :</b></p> <p>1 Septic tanks are to be constructed of one brick walls of 7MPa bricks all round. Brickwork internally is to be rendered smooth in 15mm 3:1 cement plaster.</p> <p>2 All concrete is to be 30MPa. The base slab is to be 150mm thick projecting 100mm all round from the external wall face. The top slab is to be 150mm thick. The base slab is to be reinforced with one layer of mesh No 393 and the top slab is to be suitably reinforced with Y10 bars at 150mm centres in both directions to the approval of the Department of Works.</p> <p>3 Cast iron manhole steps are to be built into the brick walls at 300mm centres at the manhole cover. Access manholes on top of the septic tank are to be constructed of one brick walls plastered smooth internally with a mass concrete concrete surround for and including 900 x 600mm cast iron manhole cover and frame type 9E built into brickwork.</p> <p>4 The incoming pipe is to be 110mm uPVC and the outgoing pipe is to be 110mm uPVC. The incoming and outgoing pipework is to be built through the brick walls and is to include a junction and short length of pipe vertically at both points.</p> <p>5 Prices are to include all excavations, risk of collapse and spreading and levelling all excavated material not used for backfilling.</p> |             |             |
| 2019           | Excavate for and build septic tank size 1760 x 1560mm internally and 2220mm deep to invert with internal one brick division wall with five 110mm uPVC pipes 300mm long built through wall, five 110mm uPVC plain junctions each with a 450mm length of 110mm uPVC pipe and two 600 x 900mm access manholes in top slab  | No          | 57,328.65   |
| 2020           | Excavate for and build septic tank size 3110 x 1960mm internally and 2220mm deep to invert with internal one brick division wall with five 110mm uPVC pipes 300mm long built through wall, five 110mm uPVC plain junctions each with a 450mm length of 110mm uPVC pipe and two 600 x 900mm access manholes in top slab  | No          | 80,466.28   |
| 2021           | Excavate for and build septic tank size 6110 x 2960mm internally and 2220mm deep to invert with internal one brick division wall with five 110mm uPVC pipes 300mm long built through wall, five 110mm uPVC plain junctions each with a 450mm length of 110mm uPVC pipe and two 600 x 900mm access manholes in top slab  | No          | 149,161.99  |
|                | <p><b><u>French drains</u></b></p>  |             |             |
| 2022           | Excavate and build french drain soakaway 800mm wide and 1900mm deep comprising bottom layer filled with clean river stone filling material (20 - 50mm stone) for a depth of 1m wrapped around with and including 'Bidim' U14 geotextile filter fabric, 110mm diameter slotted uPVC drainage pipe and backfill with coarse sand or soil backfill, including all excavations, backfilling as specified and spreading and levelling surplus excavated materials  | m           | 1,822.57    |
|                | <p>Bill No. 22<br/>PLUMBING AND DRAINAGE</p> <p style="text-align: right;">Initial here.....</p>  |             |             |

| <u>Item<br/>No</u> |   | <u>Unit</u> | <u>Rate</u> |
|--------------------|---|-------------|-------------|
|                    | <b><u>Sundries</u></b>  |             |             |
| 2023               | Extra over excavation in earth for pipe trenches, chambers, etc for excavation in soft rock (measured 300mm wider than the pipe size)       | m3          | 779.01      |
| 2024               | Cut into side of existing inspection chamber for and connect new 110mm or 160mm pipe, including altering benching as required and make good | No          | 928.60      |
| 2025               | 350 x 350 x 150mm Precast concrete inspection eye marker slab set in ground   | No          | 439.48      |
|                    | END OF BILL   |             |             |
|                    | Bill No. 22<br>PLUMBING AND DRAINAGE  |             |             |
|                    | Initial here.....   |             |             |

| <u>Item<br/>No</u> |   | <u>Unit</u> | <u>Rate</u> |
|--------------------|---|-------------|-------------|
|                    | <b><u>BILL No 21</u></b>  |             |             |
|                    | <b><u>GLAZING</u></b>   |             |             |
|                    | <b><u>GLAZING TO STEEL WITH PUTTY</u></b>                           |             |             |
|                    | <b><u>4mm Clear float glass</u></b>                                 |             |             |
| 2026               | Panes not exceeding 0.1m2   | m2          | 608.06      |
| 2027               | Panes exceeding 0.1m2 and not exceeding 0.5m2                       | m2          | 610.03      |
| 2028               | Panes exceeding 0.5m2 and not exceeding 2m2                         | m2          | 660.78      |
|                    | <b><u>4mm Common obscure glass</u></b>                              |             |             |
| 2029               | Panes not exceeding 0.1m2   | m2          | 693.24      |
| 2030               | Panes exceeding 0.1m2 and not exceeding 0.5m2                       | m2          | 695.47      |
| 2031               | Panes exceeding 0.5m2 and not exceeding 2m2                         | m2          | 747.19      |
|                    | <b><u>4mm Clear acrylic sheeting</u></b>                            |             |             |
| 2032               | Panes not exceeding 0.1m2   | m2          | 1,552.77    |
| 2033               | Panes exceeding 0.1m2 and not exceeding 0.5m2                       | m2          | 1,515.12    |
|                    | <b><u>GLAZING TO WOOD OR STEEL WITH BEADS (BEADS ELSEWHERE)</u></b> |             |             |
|                    | <b><u>4mm Clear float glass</u></b>                                 |             |             |
| 2034               | Panes not exceeding 0.1m2   | m2          | 587.05      |
| 2035               | Panes exceeding 0.1m2 and not exceeding 0.5m2                       | m2          | 610.17      |
| 2036               | Panes exceeding 0.5m2 and not exceeding 2m2                         | m2          | 634.10      |
|                    | <b><u>4mm Common obscure glass</u></b>                              |             |             |
| 2037               | Panes not exceeding 0.1m2   | m2          | 674.15      |
| 2038               | Panes exceeding 0.1m2 and not exceeding 0.5m2                       | m2          | 703.43      |
| 2039               | Panes exceeding 0.5m2 and not exceeding 2m2                         | m2          | 731.00      |
|                    | Bill No. 23<br>GLAZING  |             |             |
|                    | Initial here.....   |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>6.38mm Clear normal strength intruderprufe laminated safety glass</u></b>  |             |             |
| 2040           | Panes not exceeding 0.1m2  | m2          | 1,538.54    |
| 2041           | Panes exceeding 0.1m2 and not exceeding 0.5m2  | m2          | 1,609.43    |
| 2042           | Panes exceeding 0.5m2 and not exceeding 2m2  | m2          | 1,673.00    |
|                | <b><u>6.76mm HPR Clear intruderprufe laminated safety glass</u></b>  |             |             |
| 2043           | Panes not exceeding 0.1m2  | m2          | 2,311.28    |
| 2044           | Panes exceeding 0.1m2 and not exceeding 0.5m2  | m2          | 2,309.65    |
| 2045           | Panes exceeding 0.5m2 and not exceeding 2m2  | m2          | 2,538.67    |
|                | <b><u>4mm Clear acrylic sheeting</u></b>   |             |             |
| 2046           | Panes not exceeding 0.1m2  | m2          | 1,364.06    |
| 2047           | Panes exceeding 0.1m2 and not exceeding 0.5m2  | m2          | 1,359.45    |
|                | <b><u>MIRRORS, ETC</u></b>   |             |             |
|                | <b><u>4mm Silvered float glass copper backed mirrors with polished edges fixed to walls with double sided adhesive tape</u></b>  |             |             |
| 2048           | Mirror size 450 x 600mm high   | No          | 796.37      |
| 2049           | Mirror size 600 x 600mm high   | No          | 1,016.78    |
| 2050           | Mirror size 600 x 900mm high   | No          | 1,472.15    |
|                | <b><u>6mm Silvered float glass copper backed mirrors with bevelled and polished edges four times holed for and screwed to walls with chromium plated dome head capped mirror screws with rubber grommets</u></b> |             |             |
| 2051           | Mirror size 450 x 600mm high   | No          | 878.31      |
| 2052           | Mirror size 600 x 600mm high   | No          | 1,106.30    |
| 2053           | Mirror size 600 x 900mm high   | No          | 1,629.95    |
|                | END OF BILL  |             |             |
|                | Bill No. 23<br>GLAZING   |             |             |
|                | Initial here.....  |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>BILL No 22</u></b>   |             |             |
|                | <b><u>PAINTWORK</u></b>  |             |             |
|                | <b><u>NOTES :</u></b>  |             |             |
| 1              | All paints are to be applied in strict accordance with the manufacturer's instructions. Painting is to be done by brush, roller or spraying as may be recommended by the paint manufacturer.   |             |             |
| 2              | No paint is to be applied during cold weather conditions and all paint must be stored and protected from frost or other cold weather conditions.   |             |             |
| 3              | Prices must allow for painting in different colours and for cutting to line around fittings, windows, doors, etc.  |             |             |
| 4              | Cellulose fillers such as 'Polyfilla' and 'Aurora' are NOT acceptable. The stopping of surfaces to be painted is to be done with 'Polycell Mendall 90' or 'Pera Universal Repairing Compound' mixed with 30% marble dust.  |             |             |
| 5              | Prices for paintwork must include for the protection of other finished work, including masking or covering all finished paintwork, as well as finished joinery, tilings, floor coverings, etc during painting operations.  |             |             |
| 6              | All door handles, locks and other ironmongery, pelmets, electrical switch and socket outlet cover plates, etc are to be removed before painting and are to be re-fitted after completion of painting. All paint spots, stains, etc are to be cleaned off all floors, walls, glass, doors, frames, fittings, etc after completion of the paintwork. |             |             |
| 7              | Prices must include for the preparation and stopping of all surfaces as necessary.   |             |             |
|                | <b><u>PAINTWORK TO NEW SURFACES</u></b>  |             |             |
|                | <b><u>ON NEW PLASTERED OR SCREEDED SURFACES</u></b>  |             |             |
|                | <b><u>One coat alkali-resistant plaster primer and two coats exterior quality PVA emulsion paint</u></b>   |             |             |
| 2054           | On internal smooth plastered walls and columns   | m2          | 98.64       |
| 2055           | On internal smooth plastered ceilings and beams  | m2          | 105.07      |
| 2056           | On off-shutter concrete walls and columns  | m2          | 99.18       |
| 2057           | On off-shutter concrete ceilings and beams   | m2          | 105.60      |
|                | <b><u>One coat alkali-resistant plaster primer and two coats Acrylic PVA paint</u></b>   |             |             |
| 2058           | On internal smooth plastered walls and columns   | m2          | 99.63       |
|                | Bill No. 24<br>PAINTWORK   |             |             |
|                | Initial here.....  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 2059           | On internal smooth plastered ceilings and beams   | m2          | 105.07      |
| 2060           | On external smooth plastered walls  | m2          | 99.63       |
| 2061           | On external smooth plastered ceilings and beams   | m2          | 105.07      |
| 2062           | On off-shutter concrete walls and columns   | m2          | 102.73      |
| 2063           | On off-shutter concrete ceilings and beams  | m2          | 105.60      |
|                | <b><u>One coat alkali resistant plaster primer, one coat undercoat and two coats eggshell enamel paint</u></b>            |             |             |
| 2064           | On internal smooth plastered walls and columns  | m2          | 146.61      |
| 2065           | On internal smooth plastered ceilings and beams   | m2          | 160.94      |
|                | <b><u>One coat alkali resistant plaster primer, one coat undercoat and two coats gloss enamel paint</u></b>               |             |             |
| 2066           | On internal smooth plastered walls and columns  | m2          | 128.23      |
| 2067           | On internal smooth plastered ceilings and beams   | m2          | 141.38      |
|                | <b><u>One coat alkali resistant plaster primer, one coat undercoat and two coats polyurethane velvet enamel paint</u></b> |             |             |
| 2068           | On internal smooth plastered walls and columns  | m2          | 166.02      |
| 2069           | On internal smooth plastered ceilings and beams   | m2          | 181.32      |
|                | <b><u>One coat sealer and two coats marble plaster textured paint coating</u></b>   |             |             |
| 2070           | On internal smooth plastered walls and columns  | m2          | 169.13      |
| 2071           | On internal smooth plastered ceilings and beams   | m2          | 177.15      |
| 2072           | On external smooth plastered walls  | m2          | 169.13      |
| 2073           | On external smooth plastered ceilings and beams   | m2          | 177.15      |
| 2074           | On off-shutter concrete walls and columns   | m2          | 171.30      |
| 2075           | On off-shutter concrete ceilings and beams  | m2          | 179.76      |
|                | Bill No. 24<br>PAINTWORK  |             |             |
|                | Initial here.....   |             |             |



| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>Etch screeded surface with 10% solution of hydrochloric acid and water and two full coats stoep enamel</u></b> |             |             |
| 2076           | On screeded floors and skirtings   | m2          | 103.78      |
|                | <b><u>ON FIBRE-CEMENT</u></b>  |             |             |
|                | <b><u>One coat primer or sealer, one under coat and two coats Acrylic PVA paint</u></b>                              |             |             |
| 2077           | On fascias and eaves soffit linings  | m2          | 135.08      |
| 2078           | On ceilings, including cornices and cover strips   | m2          | 148.30      |
| 2079           | On window cills  | m2          | 135.08      |
| 2080           | On gutters and downpipes not exceeding 300mm girth   | m           | 44.24       |
|                | <b><u>ON SOFTBOARD, ETC</u></b>  |             |             |
|                | <b><u>One coat sealer and two coats exterior quality PVA emulsion paint</u></b>                                      |             |             |
| 2081           | On ceilings, including cornices and cover strips   | m2          | 116.09      |
|                | <b><u>ON PLASTER BOARD</u></b>   |             |             |
|                | <b><u>One coat primer and two coats exterior quality PVA emulsion paint</u></b>                                      |             |             |
| 2082           | On ceilings, including cornices and cover strips   | m2          | 102.02      |
|                | <b><u>One coat sealer and two coats marble plaster textured paint coating</u></b>                                    |             |             |
| 2083           | On ceilings, including cornices and cover strips   | m2          | 154.21      |
|                | <b><u>One coat sealer and two coats Acrylic PVA paint</u></b>  |             |             |
| 2084           | On drywall partitions  | m2          | 100.14      |
|                | <b><u>One coat sealer and two coats polyurethane velvet enamel paint</u></b>   |             |             |
| 2085           | On drywall partitions  | m2          | 122.36      |
|                | <b><u>ON PVC</u></b>   |             |             |
|                | <b><u>One coat under coat and two coats Acrylic PVA paint</u></b>  |             |             |
| 2086           | On PVC pipes not exceeding 300mm girth   | m           | 33.36       |
|                | Bill No. 24<br>PAINTWORK   |             |             |
|                | Initial here.....  |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>ON METAL</u></b>   |             |             |
|                | <b><u>One coat gloss enamel paint</u></b>  |             |             |
| 2087           | On roof members  | m2          | 65.07       |
|                | <b><u>Touch up factory primer and one coat undercoat and two coats gloss enamel paint</u></b>                  |             |             |
| 2088           | On door frames   | m2          | 128.02      |
| 2089           | On windows with glazing bars (both sides measured flat)  | m2          | 128.57      |
| 2090           | On windows with burglar bars (both sides measured flat)  | m2          | 135.01      |
| 2091           | On flush panel doors and frames (both sides measured flat)   | m2          | 128.02      |
| 2092           | On transformer room doors and frames (both sides measured flat)  | m2          | 128.02      |
| 2093           | On strong room and record room doors and frames (both sides measured flat)                                     | m2          | 128.02      |
| 2094           | On exposed truss members, purlins, etc   | m2          | 128.02      |
| 2095           | On rails, bars, pipes, etc. not exceeding 300mm girth.   | m           | 40.21       |
|                | <b><u>One coat primer, one coat undercoat and two coats gloss enamel paint</u></b>                             |             |             |
| 2096           | On gates, grilles, burglar screens, balustrades, etc. (both sides measured flat)                               | m2          | 136.62      |
| 2097           | On rails, bars, pipes, etc. not exceeding 300mm girth  | m           | 42.64       |
|                | <b><u>Wash with metal conditioner and two coats Acrylic PVA paint</u></b>                                      |             |             |
| 2098           | On underside of profiled roof sheeting and ceilings (measured on flat to ceiling area)                         | m2          | 139.89      |
|                | <b><u>Wash with metal conditioner and two coats Acrylic Roof paint</u></b>                                     |             |             |
| 2099           | On profiled roof sheeting and flashings (measured on flat to roof area)  | m2          | 111.67      |
|                | <b><u>Wash with metal conditioner, one coat self-etching metal primer and two coats gloss enamel paint</u></b> |             |             |
| 2100           | On eaves gutters and downpipes   | m2          | 128.57      |
| 2101           | On pipes not exceeding 100mm diameter  | m           | 22.45       |
|                | Bill No. 24<br>PAINTWORK   |             |             |
|                | Initial here.....  |             |             |

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|---------|--|------|--------|
|         | <b><u>Wash with metal conditioner, one coat self-etching metal primer and two coats approved heat resistant reflecting paint applied in strict accordance with the manufacturer's instructions</u></b>   |      |        |
| 2102    | On profiled roof sheeting and flashings (measured on flat)   | m2   | 161.66 |
|         | <b><u>ON METAL (AT COASTAL AREAS ONLY)</u></b>   |      |        |
|         | <i>Note:</i>   |      |        |
|         | <i>No grid blasting will be allowed on site. All weld edges, corners, etc are to be stripe coated with the intermediate coat between each application. Equipmnet must be available on site to check the film thicknesses.</i>  |      |        |
|         | <b><u>Clean and prepare steel as defined in ISO 8501-1 : 1988, paint system for structural mild steel / new steel to withstand climatic conditions of C5 marine as per international environmental specifications of ISO 12944 and Generic Specifications following as: prepare and paint zinc rich primer of 75 to 100 micron dry coat thickness applied by airless / conventional spray / roller, epoxy intermediated coat of 100 to 150 micron dry coat thickness applied by airless / conventional spray / roller and polyurethane top coat of 50 to 75 micron dry coat thickness applied by airless / conventional spray / roller (colour light grey) with a full 5 year guarantee to be submitted by the supplier for all paintwork, including making good damaged paintwork after erection of the steelwork strictly in accordance with the manufacturer's specification and to the satisfaction of the Department of Works</u></b> |      |        |
| 2103    | On exposed truss members, purlins, etc   | m2   | 193.91 |
| 2104    | On gates, grilles, burglar screens, balustrades, etc. (both sides measured flat)   | m2   | 193.91 |
| 2105    | On rails, bars, pipes, etc. not exceeding 300mm girth.   | m    | 62.84  |
|         | <b><u>ON WOOD</u></b>  |      |        |
|         | <b><u>One coat wood primer</u></b>   |      |        |
| 2106    | On backs of skirtings, frames, cornices, rails, etc not exceeding 300mm girth  | m    | 33.38  |
|         | <b><u>One coat oil based stain and two coats clear matt polyurethane varnish</u></b>   |      |        |
| 2107    | On door frames   | m2   | 118.50 |
| 2108    | On flush doors   | m2   | 118.50 |
| 2109    | On panelled and moulded doors  | m2   | 118.50 |
| 2110    | On windows, glazed doors, etc (both sides measured flat)   | m2   | 118.50 |
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| 2111           | On joinery fittings, shelving, slatted seating, etc   | m2          | 118.50      |
| 2112           | On skirtings, frames, rails, etc not exceeding 300 mm girth   | m           | 39.20       |
|                | <b><u>One coat oil based stain and two coats clear gloss polyurethane varnish</u></b>                               |             |             |
| 2113           | On door frames  | m2          | 117.91      |
| 2114           | On flush doors  | m2          | 118.09      |
| 2115           | On panelled and moulded doors   | m2          | 118.09      |
| 2116           | On windows, glazed doors, etc (both sides measured flat)  | m2          | 118.09      |
| 2117           | On joinery fittings, shelving, slatted seating, etc   | m2          | 118.09      |
| 2118           | On skirtings, frames, rails, etc not exceeding 300 mm girth   | m           | 39.17       |
|                | <b><u>One coat oil based stain and two coats clear gloss exterior quality UV protected polyurethane varnish</u></b> |             |             |
| 2119           | On door frames  | m2          | 118.50      |
| 2120           | On flush doors  | m2          | 118.50      |
| 2121           | On panelled and moulded doors   | m2          | 118.50      |
| 2122           | On windows, glazed doors, etc (both sides measured flat)  | m2          | 118.50      |
| 2123           | On skirtings, frames, rails, etc not exceeding 300 mm girth   | m           | 39.20       |
|                | <b><u>One coat wood primer, one coat undercoat and two coats matt enamel paint</u></b>                              |             |             |
| 2124           | On door frames  | m2          | 151.74      |
| 2125           | On flush doors  | m2          | 151.74      |
| 2126           | On panelled and moulded doors   | m2          | 151.74      |
| 2127           | On windows, glazed doors, etc (both sides measured flat)  | m2          | 151.74      |
| 2128           | On joinery fittings, shelving, slatted seating, etc   | m2          | 151.74      |
| 2129           | On skirtings, frames, rails, etc not exceeding 300 mm girth   | m           | 50.95       |
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|--------------------|---|-------------|-------------|
|                    | <b><u>One coat wood primer, one coat undercoat and two coats gloss enamel paint</u></b>               |             |             |
| 2130               | On door frames  | m2          | 156.64      |
| 2131               | On flush doors  | m2          | 156.64      |
| 2132               | On panelled and moulded doors   | m2          | 156.64      |
| 2133               | On windows, glazed doors, etc (both sides measured flat)  | m2          | 156.64      |
| 2134               | On joinery fittings, shelving, slatted seating, etc   | m2          | 156.64      |
| 2135               | On exposed trusses, rafters, beams, purlins, etc  | m2          | 156.64      |
| 2136               | On skirtings, frames, rails, etc not exceeding 300 mm girth   | m           | 52.46       |
|                    | <b><u>One coat wood primer, one coat undercoat and two coats polyurethane velvet enamel paint</u></b> |             |             |
| 2137               | On door frames  | m2          | 165.31      |
| 2138               | On flush doors  | m2          | 165.31      |
| 2139               | On panelled and moulded doors   | m2          | 165.31      |
| 2140               | On windows, glazed doors, etc (both sides measured flat)  | m2          | 165.31      |
| 2141               | On joinery fittings, shelving, slatted seating, etc   | m2          | 165.31      |
| 2142               | On exposed trusses, rafters, beams, purlins, etc  | m2          | 165.31      |
| 2143               | On skirtings, frames, rails, etc not exceeding 300 mm girth   | m           | 55.55       |
|                    | END OF BILL   |             |             |
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|                | <b><u>BILL No 23</u></b>   |             |             |
|                | <b><u>EXTERNAL WORKS</u></b>   |             |             |
|                | <b><u>SITE CLEARANCE ETC</u></b>   |             |             |
|                | <b><u>Site clearance</u></b>   |             |             |
| 2144           | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc | m2          | 30.77       |
|                | <b><u>Cutting down and removing, grubbing up roots and filling in holes</u></b>                                    |             |             |
| 2145           | Hedge not exceeding 1m high  | m           | 275.47      |
| 2146           | Hedge exceeding 1m high  | m           | 438.19      |
| 2147           | Tree exceeding 200mm and not exceeding 500mm girth   | No          | 998.75      |
| 2148           | Tree exceeding 500mm and not exceeding 1000mm girth  | No          | 1,714.34    |
| 2149           | Tree exceeding 1000mm and not exceeding 2000mm girth   | No          | 3,401.39    |
|                | <b><u>Trimming and removal of tree branches</u></b>  |             |             |
| 2150           | Branch not exceeding 500mm girth   | No          | 186.15      |
| 2151           | Branch exceeding 500mm girth   | No          | 241.97      |
|                | <b><u>LANDSCAPING</u></b>  |             |             |
|                | <b><u>Topsoil, compost, etc</u></b>  |             |             |
| 2152           | Topsoil obtained from Stock piles on site in plant beds, grassed areas and holes for trees, shrubs, etc            | m3          | 198.38      |
| 2153           | Topsoil supplied by the contractor in plant beds, grassed areas and holes for trees, shrubs, etc                   | m3          | 615.17      |
| 2154           | Compost in plant beds, holes for trees, shrubs, etc  | m3          | 647.01      |
|                | <b><u>Grassing, ground covers, etc</u></b>   |             |             |
| 2155           | "L.M. Lawn" roots in rows with a minium of 44 roots per m²   | m2          | 167.53      |
| 2156           | "Kikuyu" roots in rows with a minimu of 44 roots per m²  | m2          | 96.25       |
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|----------------|---|-------------|-------------|
|                | <b><u>Pebble covering</u></b>   |             |             |
| 2157           | Covering of pebbles varying from 20mm to 50mm diameter in 50mm layers   | m2          | 141.22      |
|                | <b><u>ROADWORKS, PAVINGS, WALKWAYS, ETC</u></b>   |             |             |
|                | <b><u>Open face excavation</u></b>  |             |             |
| 2158           | Excavate over site between buildings, etc. to reduce levels and deposit excavated material in prescribed stock piles on site  | m3          | 109.41      |
| 2159           | Extra over all excavations in earth for excavations in soft rock  | m3          | 708.59      |
|                | <b><u>Extra over all excavations for</u></b>  |             |             |
| 2160           | Spreading and levelling surplus material from the excavations and/or stock piles on site as directed  | m3          | 86.16       |
| 2161           | Carting away surplus material from the excavations and/or stock piles on site to a dumping site to be located by the contractor   | m3          | 80.60       |
|                | <b><u>Road bed preparation</u></b>  |             |             |
| 2162           | Compaction of ground surface under pavings etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density | m2          | 44.37       |
|                | <b><u>Earth filling supplied by the contractor</u></b>  |             |             |
| 2163           | Selected sub-grade course of G9 material under roads, pavings, etc of approved granular material compacted to 90% Mod AASHTO density  | m3          | 272.17      |
| 2164           | Selected sub grade course of G7 material under roads, pavings, etc of approved granular material compacted to 93% Mod AASHTO density  | m3          | 301.47      |
| 2165           | Sub-base course of G5 material under roads, pavings, etc of approved granular material compacted to 95% Mod AASHTO density  | m3          | 562.38      |
| 2166           | Base course of G3 material under roads, pavings, etc of approved granular material compacted to 98% Mod AASHTO density  | m3          | 621.26      |
|                | <b><u>Soil poisoning</u></b>  |             |             |
| 2167           | Soil insecticide under roads, paving, etc   | m2          | 21.32       |
| 2168           | Weed killer under roads, pavings, etc   | m2          | 22.09       |
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|----------------|---|-------------|-------------|
|                | <b><u>Prescribed density tests on filling</u></b>   |             |             |
| 2169           | "Natural California Bearing Ratio" test if required   | No          | 864.49      |
| 2170           | Field density test including optimum moisture content reading (four readings per test)  | No          | 472.68      |
| 2171           | Soil indicator test   | No          | 597.40      |
|                | <b><u>Concrete edge beams</u></b>   |             |             |
| 2172           | 25MPa/19mm Concrete in ground beam size 200 x 400mm set in ground, including excavation 300mm deep and spreading and levelling excavated materials  | m           | 368.64      |
|                | <b><u>Rectangular paving stones 25MPa laid on and including 20mm clean sand bed to falls and currents, including all cutting and waste</u></b>  |             |             |
| 2173           | 55mm Plain rectangular paving stones in paving to roads, pavings, etc   | m2          | 469.17      |
| 2174           | 55mm Coloured rectangular paving stones in paving to roads, pavings, etc  | m2          | 546.26      |
|                | <b><u>Interlocking paving road stones type SF 35MPa laid on and including 20mm clean sand bed to falls and currents, including all cutting and waste</u></b>  |             |             |
| 2175           | 60mm Interlocking road stones in paving to roads, pavings, etc  | m2          | 526.55      |
| 2176           | 80mm Interlocking road stones in paving to roads, pavings, etc  | m2          | 736.58      |
|                | <b><u>Precast concrete garden kerbs with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint including excavation, backfilling, etc.</u></b>  |             |             |
| 2177           | Bull nosed garden kerb size 50 x 250mm high   | m           | 200.12      |
| 2178           | Bull nosed garden kerb size 50 x 250mm high not exceeding 4m radius   | m           | 213.54      |
|                | <b><u>Precast concrete road kerbs and channels finished smooth on exposed surfaces laid on and including 400 x 100mm unreinforced mass concrete continuous bedding with haunchings behind each joint including excavation, backfilling, etc</u></b> |             |             |
| 2179           | Barrier road kerb size 300 x 150mm high   | m           | 287.52      |
| 2180           | Barrier road kerb size 300 x 150mm high not exceeding 4m radius   | m           | 304.10      |
| 2181           | Mountable road kerb size 300 x 150mm high   | m           | 340.65      |
| 2182           | Mountable road kerb size 300 x 150mm high not exceeding 4m radius   | m           | 357.81      |
| 2183           | Stormwater channel size 300 x 150mm high with segmental channel formed therein  | m           | 580.05      |
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|                | <b><u>Paintwork</u></b>  |             |             |
| 2184           | One coat road marking paint on interlocking paving stines in lines 100mm wide  | m           | 23.87       |
|                | <b><u>Slab paving of 400 x 400 x 40mm precast concrete slabs with a non-slip finish</u></b>  |             |             |
| 2185           | Paving laid on and including 25mm thick clean sand bed to falls  | m2          | 676.79      |
| 2186           | Paving laid on and including 20mm thick cement mortar bed to falls with 10mm joints flush pointed in cement mortar   | m2          | 748.87      |
|                | <b><u>Slab paving of 400 x 400 x 40mm precast concrete slabs with exposed aggregate finish</u></b>   |             |             |
| 2187           | Paving laid on and including 25mm thick clean sand bed to falls  | m2          | 713.19      |
| 2188           | Paving laid on and including 20mm thick cement mortar bed to falls with 10mm joints flush pointed in cement mortar   | m2          | 774.51      |
|                | <b><u>RETAINING STRUCTURES</u></b>   |             |             |
|                | <b><u>Retaining structure with stepped face and curves as required to suit slopes laid with horizontal bed joints to varying slopes including backfilling with earth obtained from the excavations and filling the blocks with garden soil lightly tamped as the work proceeds</u></b> |             |             |
| 2189           | Retaining structures to embankments, etc formed of Terraforce type L3 interlocking planter blocks size 340 x 425 x 225mm high  | m2          | 1,017.39    |
| 2190           | Retaining structures to embankments, etc formed of Terraforce type S interlocking planter blocks size 400 x 500 x 250mm high   | m2          | 1,129.30    |
| 2191           | Retaining structures to embankments, etc formed of Loffelstein type L300 interlocking planter blocks size 300 x 400 x 170mm high   | m2          | 1,943.02    |
| 2192           | Retaining structures to embankments, etc formed of Loffelstein type L500 interlocking planter blocks size 500 x 450 x 170mm high   | m2          | 2,681.65    |
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|                | <b><u>FENCING</u></b>   |             |             |
|                | <b><u>Removal of existing fencing</u></b>   |             |             |
| 2193           | Remove existing fence not exceeding 1200mm high complete with all droppers, stays, posts, gates, etc  | m           | 52.23       |
| 2194           | Remove existing fence exceeding 1200mm and not exceeding 2400mm high complete with all droppers, stays, posts, gates, etc   | m           | 140.73      |
|                | <b><u>Concrete edge beams</u></b>   |             |             |
| 2195           | 20MPa Concrete in edge beam below security fencing size 100 x 200mm high, including all necessary excavation, casing, backfilling, etc  | m           | 248.64      |
|                | <b><u>Domestic fencing including two coats aluminium paint on metal stays, frames, etc</u></b>  |             |             |
| 2196           | Domestic fencing 1.2m high vertically formed of 2.5kg/m Y-section standards 1.85m long driven into ground at average 3m maximum centres with 0.56kg/m T-section droppers 1.2m long at average 1m maximum centres between, four 4mm galvanised straining wires tied to standards, droppers, posts and eye bolts, the 1.2m vertical height covered with 50mm galvanised diamond wire mesh fixed at 300mm centres to each straining wire | m           | 227.59      |
| 2197           | 50mm Diameter horizontal strut 2m long with two ends bent and bolted to posts   | No          | 267.94      |
| 2198           | 50mm Diameter inclined stay 2.1m long with one end bent and bolted to post and the other end with sole plate in and including 20MPa concrete base size 300 x 300 x 600mm deep   | No          | 527.40      |
| 2199           | 50mm Diameter intermediate, corner or gate post 1.85m high vertically with cap and other end with sole plate in and including 20MPa concrete base size 450 x 450 x 600mm  | No          | 606.61      |
| 2200           | 75mm Diameter intermediate, corner or gate post 1.85m high vertically with cap and other end with sole plate in and including 20MPa concrete base size 450 x 450 x 600mm  | No          | 719.17      |
| 2201           | 100mm Diameter intermediate, corner or gate post 1.85m high vertically with cap and other end with sole plate in and including 20MPa concrete base size 450 x 450 x 600mm   | No          | 831.39      |
|                | <b><u>Gates in domestic fencing</u></b>   |             |             |
| 2202           | Single gate size 900 x 1200mm high overall with suitable eye-bolt hinges, spring latch and keep fixed in position complete, including covering with 50mm galvanised diamond wire mesh   | No          | 879.55      |
| 2203           | Single gate size 2400 x 1200mm high overall with suitable eye-bolt hinges, spring latch and keep fixed in position complete, including covering with 50mm galvanised diamond wire mesh  | No          | 1,336.69    |
| 2204           | Single gate size 3600 x 1200mm high overall with suitable eye-bolt hinges, spring latch and keep fixed in position complete, including covering with 50mm galvanised diamond wire mesh  | No          | 2,333.67    |
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| 2205           | Double gate size 3000 x 1200mm high overall in two equal leaves with suitable eye-bolt hinges and keep fixed in position complete, including covering with 50mm galvanised diamond wire mesh   | No          | 2,496.48    |
|                | <b><u>Security fencing including two coats aluminium paint on metal stays, framing, etc</u></b>  |             |             |
| 2206           | Security fencing 1800mm high vertically with 600mm long 45° overhang to one side formed of 50mm diameter standards 2500mm long with 600mm overhang cast into and including 300 x 300 x 750mm 20MPa concrete base at average 3m centres, four rows of galvanised straining wires and four rows of 2.5mm galvanised double strand reverse twist barbed wires tied to standards, posts and eye bolts, the 1800mm vertical height covered with 50mm galvanised diamond wire mesh fixed at 300mm centres to each straining wire | m           | 569.35      |
| 2207           | Security fencing 2100mm high vertically with 600mm long 45° overhang to one side formed of 50mm diameter standards 2700mm long with 600mm overhang cast into and including 300 x 300 x 750mm 20MPa concrete base at average 3m centres, five rows of galvanised straining wires and four rows of 2.5mm galvanised double strand reverse twist barbed wires tied to standards, posts and eye bolts, the 2100mm vertical height covered with 50mm galvanised diamond wire mesh fixed at 300mm centres to each straining wire | m           | 673.73      |
| 2208           | Security fencing 2400mm high vertically with 600mm long 45° overhang to one side formed of 50mm diameter standards 3000mm long with 600mm overhang cast into and including 300 x 300 x 750mm 20MPa concrete base at average 3m centres, six rows of galvanised straining wires and four rows of 2.5mm galvanised double strand reverse twist barbed wires tied to standards, posts and eye bolts, the 2400mm vertical height covered with 50mm galvanised diamond wire mesh fixed at 300mm centres to each straining wire  | m           | 757.77      |
| 2209           | <u>Extra over</u> for Razormesh cladding to vertical face of fencing in lieu of diamond mesh   | m2          | 182.18      |
| 2210           | <u>Extra over</u> for Razor Coil to top of security fencing in lieu of four rows of barbed wire  | m           | 43.86       |
| 2211           | 50mm Diameter inclined stay or vertical post 3m long with one end bent to detail and bolted to post and the other end with sole plate cast in and including 20MPa concrete base size 600 x 600 x 600mm   | No          | 1,127.26    |
| 2212           | 75mm Corner or straining posts 3m high vertically with 600mm long 45° overhang with capped end and other end with sole plate cast in and including 20MPa concrete base size 450 x 450 x 600mm deep   | No          | 1,161.72    |
| 2213           | 100mm Corner or straining posts 2.7m high vertically with 600mm long 45° overhang with capped end and other end with sole plate cast in and including 20MPa concrete base size 450 x 450 x 600mm deep  | No          | 1,558.41    |
| 2214           | 100mm Corner or straining posts 3m high vertically with 600mm long 45° overhang with capped end and other end with sole plate cast in and including 20MPa concrete base size 450 x 450 x 600mm deep  | No          | 1,642.52    |
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| 2215           | 100mm Corner or straining posts 3.2m high vertically with 600mm long 45° overhang with capped end and other end with sole plate cast in and including 20MPa concrete base size 450 x 450 x 600mm deep   | No          | 1,625.56    |
|                | <b><u>Gates in security fencing</u></b>   |             |             |
| 2216           | Gate size 1000 x 1800mm high overall with 600mm long 45° overhang with barbed wire and covered with 50mm galvanised diamond wire mesh as for fencing and with suitable eye-bolt hinges and 300mm long galvanised dropbolts fixed in position complete   | No          | 1,535.33    |
| 2217           | Gate size 3000 x 1800mm high overall in two equal leaves with 600mm long 45° overhang with barbed wire and covered with 50mm galvanised diamond wire mesh as for fencing and with suitable eye-bolt hinges and 300mm long galvanised dropbolts fixed in position complete   | No          | 3,259.02    |
| 2218           | Gate size 3000 x 2100mm high overall in two equal leaves with 600mm long 45° overhang with barbed wire and covered with 50mm galvanised diamond wire mesh as for fencing and with suitable eye-bolt hinges and 300mm long galvanised dropbolts fixed in position complete   | No          | 3,797.92    |
| 2219           | Gate size 4000 x 1800mm high overall in two equal leaves with 600mm long 45° overhang with barbed wire and covered with 50mm galvanised diamond wire mesh as for fencing and with suitable eye-bolt hinges and 300mm long galvanised dropbolts fixed in position complete   | No          | 4,527.51    |
| 2220           | Gate size 4000 x 2100mm high overall in two equal leaves with 600mm long 45° overhang with barbed wire and covered with 50mm galvanised diamond wire mesh as for fencing and with suitable eye-bolt hinges and 300mm long galvanised dropbolts fixed in position complete   | No          | 4,817.55    |
|                | <b><u>PRECAST CONCRETE PANEL FENCING</u></b>  |             |             |
|                | <b><u>Precast concrete panel fencing with exposed faces of all components finished smooth and with both sides of infill panels smooth comprising 150 x 150mm posts with tapered recesses on two sides and reinforced with 12mm diameter mild steel continuous bars, founded in and including 450 x 450 x 450mm unreinforced concrete bases as 1.59m centres and with precast concrete caps cemented on top of each post and with 38 x 1525 x 305mm infill panels reinforced with type 395 high tensile steel fabric reinforcement including grouting panels in cement mortar.</u></b> |             |             |
| 2221           | Precast concrete panel fence 1200mm high above ground complete  | m           | 1,225.86    |
| 2222           | Precast concrete panel fence 1500mm high above ground complete  | m           | 1,461.16    |
| 2223           | Precast concrete panel fence 1800mm high above ground complete  | m           | 1,820.00    |
| 2224           | Precast concrete panel fence 2100mm high above ground complete  | m           | 2,588.31    |
| 2225           | Precast concrete panel fence 1200mm high above ground complete but with brick pattern to one side   | m           | 870.52      |
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| 2226  | Precast concrete panel fence 1500mm high above ground complete but with brick pattern to one side  | m           | 1,295.26    |
| 2227  | Precast concrete panel fence 1800mm high above ground complete but with brick pattern to one side  | m           | 1,508.99    |
| 2228  | Precast concrete panel fence 2100mm high above ground complete but with brick pattern to one side  | m           | 2,358.43    |
| <b><u>MODULAR POLYCRETE FENCING SYSTEM</u></b>  |  |             |             |
| <b><u>Approved modular polycrete fencing system installed strictly in accordance with the manufacturer's instructions</u></b> |  |             |             |
| 2229  | Modular fencing or balustrade system 1010mm high overall comprising modular posts at 1045mm centres with stainless steel fixing pins, two horizontal rails at top and filled in with intermediate vertical bars at 100mm centres erected in position complete (brick or concrete bases and plinth walls elsewhere)   | m           | 2,990.79    |
| 2230  | Prepare and apply one coat stone sealer and two coats matt stain varnish to polycrete fencing or balustrading (both sides measured to full flat area)  | m2          | 130.46      |
| <b><u>WATER TOWERS AND WATER STORAGE TANKS</u></b>  |  |             |             |
| <b><u>Water towers</u></b>  |  |             |             |
| 2231  | 'NEC Stahl' or other equal and approved water storage tank stand 6m high suitable for 5,000 litre water tank (elsewhere measured) erected complete on and including 25mPa concrete bases sizes 650 x 650 x 1200mm deep, including excavations, concrete, base plates, etc and paint water tank stand with one coat undercoat and two coats universal gloss enamel paint  | No          | 239,263.96  |
| 2232  | 'NEC Stahl' or other equal and approved water storage tank stand 6m high suitable for 10,000 litre water tank (elsewhere measured) erected complete on and including 25mPa concrete bases sizes 650 x 650 x 1200mm deep, including excavations, concrete, base plates, etc and paint water tank stand with one coat undercoat and two coats universal gloss enamel paint | No          | 266,505.64  |
| <b><u>Water storage tanks as manufactured by Okahandja Plastic Converters cc or other equal and approved</u></b>              |  |             |             |
| 2233  | 5,000 Litre LLDPE hexene polyethylene water storage tank complete with lid and unions for inlet, outlet and overflow pipes   | No          | 11,185.29   |
| 2234  | 10,000 Litre LLDPE hexene polyethylene water storage tank complete with lid and unions for inlet, outlet and overflow pipes  | No          | 21,320.47   |
| Bill No. 25<br>EXTERNAL WORKS<br><br><div style="text-align: right;">Initial here.....</div>                                  |  |             |             |

| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
|                | <b><u>COVERED CARPORTS</u></b>  |             |             |
|                | <b><u>Shadenet covered carports supplied and erected complete with standard 76mm diameter posts 2.1m clear height, 60mm diameter top structure, 6mm galvanised steel wire fixing cables, etc with base plates set into and including 450 x 450 x 450mm concrete class 20MPa bases, the steel structure painted with one coat zinc chromate primer, one coat universal undercoat and two coats gloss enamel paint and covered with 95% coloured shade netting</u></b>  |             |             |
| 2235           | Shadenet dome-shaped carport suitable for two cars  | No          | 15,783.12   |
| 2236           | Shadenet dome-shaped carport suitable for three cars  | No          | 17,790.37   |
| 2237           | Shadenet cantilevered carport suitable for two cars   | No          | 21,744.20   |
| 2238           | Shadenet cantilevered carport suitable for three cars   | No          | 21,552.99   |
|                | <b><u>GARDEN AND OUTDOOR FURNITURE</u></b>  |             |             |
|                | <b><u>Approved artificial plastic garden and outdoor furniture</u></b>  |             |             |
| 2239           | Four-seater picnic table combination comprising table and benches both sides  | No          | 7,169.25    |
| 2240           | Six-seater picnic table combination comprising table and benches both sides   | No          | 13,766.08   |
| 2241           | Eight-seater picnic table combination comprising table and benches both sides   | No          | 17,575.16   |
|                | <b><u>FLAGPOLES</u></b>   |             |             |
|                | <b><u>Galvanised mild steel</u></b>   |             |             |
| 2242           | <p>Flagpole 7500mm high overall comprising:</p> <ul style="list-style-type: none"> <li>76mm external diameter x 2.8mm thick lower post 4000mm long four times holed for and including two 16mm diameter x 125mm long mild steel bolts and one 10mm diameter galvanised mild steel rope stays 350mm girth four times bent and welded to post;</li> <li>51mm external diameter x 2.8mm thick upper post 3500mm long;</li> <li>the two post joined together with and including 2mm thick x 150mm long reducing cone with both ends welded all round to posts;</li> <li>two 7mm diameter solid strand nylon ropes each 18m long including pulley;</li> <li>pole support structure comprising two 100 x 50 x 6mm channel sections 750mm long twice holed for bolts and cast into concrete base including 90 x 60 x 8mm gusset plate welded between channels;</li> <li>20mPa mass concrete base 750 x 750 x 800mm with top of base finished off smooth with a steel trowel including all excavation, formwork, etc and erect and fix pole in position complete</li> </ul> | No          | 10,723.45   |
|                | Bill No. 25<br>EXTERNAL WORKS   |             |             |
|                | Initial here.....   |             |             |

| <u>Item No</u>  |  | <u>Unit</u> | <u>Rate</u> |
|---|--|-------------|-------------|
| 2243  | <p>Flagpole 8000mm high overall comprising:</p> <ul style="list-style-type: none"> <li>• 76mm external diameter x 2.8mm thick lower post 4000mm long four times holed for and including two 16mm diameter x 125mm long mild steel bolts and one 10mm diameter galvanised mild steel rope stays 350mm girth four times bent and welded to post;</li> <li>• 51mm external diameter x 2.8mm thick upper post 4000mm long;</li> <li>• the two post joined together with and including 2mm thick x 150mm long reducing cone with both ends welded all round to posts;</li> <li>• two 7mm diameter solid strand nylon ropes each 18m long including pulley;</li> <li>• pole support structure comprising two 100 x 50 x 6mm channel sections 750mm long twice holed for bolts and cast into concrete base including 90 x 60 x 8mm gusset plate welded between channels;</li> <li>• 20mPa mass concrete base 750 x 750 x 800mm with top of base finished off smooth with a steel trowel including all excavation, formwork, etc and erect and fix pole in position complete</li> </ul> <p><b><u>White powder coated aluminium</u></b></p> | No          | 12,245.43   |
| 2244  | <p>Tapered tubular white powder coated aluminium flagpole 7.5m high above ground level complete (88mm - 76mm diameter) with two 100 x 50mm stainless steel channel section stanchions approximately 2000mm high with bottom 700mm cast into concrete base and the flagpole twice bolted to upper portion of stanchions with M12 stainless steel bolts, and including nylon hoisting ropes, aluminium cap, stainless steel eye bolt, nylon pulley with stainless steel covers, stainless steel cleat and including 500 x 500 x 700mm deep MPA concrete base, excavation, backfilling, etc complete</p> <p><b><u>Paintwork</u></b></p>   | No          | 14,921.84   |
| 2245  | <p>One coat zinc chromate primer and one coat undercoat and two coats aluminium paint on rails, bars, pipes, etc. not exceeding 300mm girth</p> <p>END OF BILL</p>   | m           | 51.43       |
| <p>Bill No. 25<br/>EXTERNAL WORKS</p> <p style="text-align: right;">Initial here.....</p> |  |             |             |

| <u>Item No</u> |  | <u>Unit</u> | <u>Rate</u> |
|----------------|--|-------------|-------------|
|                | <b><u>BILL No 24</u></b>   |             |             |
|                | <b><u>NON-SCHEDULE WORK</u></b>  |             |             |
|                | <b><u>NON-SCHEDULED MATERIALS</u></b>  |             |             |
| 2246           | Percentage allowance to be added to the <b><u>NETT purchase cost of non-scheduled items excluding VAT</u></b> for profit and overhead costs  |             | 0.00%       |
|                | <b><u>LABOUR RATES</u></b>   |             |             |
|                | <b><u>NOTE :</u></b>   |             |             |
|                | 1 The following labour rates must be INCLUSIVE all labour costs such as social security costs, pensions, bonuses and the like.   |             |             |
|                | 2 The labour rates must also be INCLUSIVE of all supervision costs, foremen cost and PROFIT on labour as no extra costs in connection herewith will be payable.  |             |             |
| 2247           | Hourly all inclusive labour rate for a bricklayer or plasterer   | Per Hr      | 79.82       |
| 2248           | Hourly all inclusive labour rate for a carpenter   | Per Hr      | 84.86       |
| 2249           | Hourly all inclusive rate for a plumber  | Per Hr      | 85.02       |
| 2250           | Hourly all inclusive labour rate for a general handyman, metalworker, etc  | Per Hr      | 92.98       |
| 2251           | Hourly all inclusive labour rate for an artisan painter  | Per Hr      | 64.86       |
| 2252           | Hourly all inclusive labour rate for a labourer  | Per Hr      | 44.73       |
|                | <b><u>SELECTED SUB-CONTRACTORS</u></b>   |             |             |
| 2253           | Percentage allowance to be added to the <b><u>NETT VALUE of the work of selected sub-contractors excluding VAT</u></b> for profit and attendance on the selected sub-contractors                         |             | 0.00%       |
|                | <b><u>EMERGENCY CALL-OUTS</u></b>  |             |             |
|                | <b><u>NOTE :</u></b>   |             |             |
|                | 1 Payment of Emergency All-Outs will only take place when the call-out is outside of normal working hours. Normal working hours are considered to be between 07h00 and 18h00 Monday to Friday inclusive. |             |             |
|                | 2 Travelling time of labour will be apid at the al-inclusive labour rates stated above within this Bill.   |             |             |
|                | Bill No. 26<br>NON-SCHEDULED WORK  |             |             |
|                | Initial here.....  |             |             |



| <u>Item No</u> |   | <u>Unit</u> | <u>Rate</u> |
|----------------|---|-------------|-------------|
| 2254           | Fixed cost for Emergnecy Call-Out   | No          | 2,462.38    |
| 2255           | Kilometre rate for transport of materials and labour for journeys where the distance is more than 25km from the Home Base or Branch Office (i.e. 50km return journey) | KM          | 29.65       |
|                | END OF BILL   |             |             |
|                | Bill No. 26<br>NON-SCHEDULED WORK   |             |             |
|                | Initial here.....   |             |             |

| <u>Bill<br/>No</u> | <u>FINAL SUMMARY</u>                           | <u>Page<br/>No</u> |     | <u>Amount</u>     |
|--------------------|--|--------------------|-----|-------------------|
|                    | GENERAL NOTES                                  | 1                  |     | <b>Not Priced</b> |
|                    | DEMOLITIONS AND ALTERATIONS                    | 14                 |     | <b>Not Priced</b> |
|                    | GENERAL REPAIRS TO EXISTING WORK               | 26                 |     | <b>Not Priced</b> |
|                    | REPAIRS TO PLUMBING AND DRAINAGE INSTALLATIONS | 30                 |     | <b>Not Priced</b> |
|                    | PAINTWORK                                      | 38                 |     | <b>Not Priced</b> |
|                    | NON-SCHEDULED WORK                             | 40                 |     | <b>Not Priced</b> |
|                    | GENERAL NOTES                                  | 41                 |     | <b>Not Priced</b> |
|                    | EARTHWORKS                                     | 44                 |     | <b>Not Priced</b> |
|                    | CONCRETE, FORMWORK AND REINFORCEMENT           | 51                 |     | <b>Not Priced</b> |
|                    | MASONRY  | 57                 |     | <b>Not Priced</b> |
|                    | WATERPROOFING                                  | 62                 |     | <b>Not Priced</b> |
|                    | ROOF COVERINGS                                 | 68                 |     | <b>Not Priced</b> |
|                    | CARPENTRY WORK                                 | 77                 |     | <b>Not Priced</b> |
|                    | JOINERY WORK                                   | 85                 |     | <b>Not Priced</b> |
|                    | CEILINGS AND PARTITIONS                        | 92                 |     | <b>Not Priced</b> |
|                    | FLOOR COVERINGS, WALL LININGS, ETC             | 95                 |     | <b>Not Priced</b> |
|                    | IRONMONGERY                                    | 106                |     | <b>Not Priced</b> |
|                    | STRUCTURAL STEELWORK                           | 110                |     | <b>Not Priced</b> |
|                    | METALWORK                                      | 122                |     | <b>Not Priced</b> |
|                    | PLASTERING                                     | 126                |     | <b>Not Priced</b> |
|                    | TILING   | 129                |     | <b>Not Priced</b> |
|                    | PLUMBING AND DRAINAGE                          | 156                |     | <b>Not Priced</b> |
|                    | Initial here.....                              |                    | N\$ | <b>Not Priced</b> |

