

**PROVISIONAL BILLS OF QUANTITIES**

**FOR**

**Maintenance Contract**

**FOR**

**ARCHITECTS**

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**SECTION NO. 2**  
**SUPERSTRUCTURE**

Quantity

Rate

Amount

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 1**  
**ALTERATIONS**

**SUPPLEMENTARY PREAMBLES**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

These bills of quantities utilise abbreviated descriptions. The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards.

**View site - NOT APPLICABLE**

Before submitting his tender the tenderer shall famiiarise himself with the extent of the geographical boundaries covered by this tender and satisfy himself as to the nature and extent of the work to be done. No claims arising out of this will be entertained.

**Explosives**

No explosives whatsoever may be used for alteration purposes unless otherwise stated

**General**

The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide , erect and remove when directed , any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent

Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored, transported over a distance of approximately 1km to store and handed over to the employer

Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described . Re-painting or re-varnishing is given separately

Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc

Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc

With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork

Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary

The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc.)

Carried to Collection

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Section No. 2

Bill No. 1

Alterations

|   |   | Quantity       | Rate | Amount |
|---|---|----------------|------|--------|
| <b>TEMPORARY BARRICADES, SCREENS, ETC</b>   |   |                |      |        |
| <b>Temporary barricades, screens, roofs, etc including removal</b>                                    |   |                |      |        |
| 1   | Half brick barrier wall 1.2m high, including cement plaster and two coats interior quality PVA emulsion paint on one side   | m              | 20   |        |
| 2   | Dust screen 2m high between concrete floor and ceiling , of suitable timber framing with 375 micron polyethylene sheeting stapled on on one side , including corners, ends, etc   | m              | 20   |        |
| 3   | Drywall barricade 2.7m high of galvanised steel channel section rails and studs covered on one side with 12,7mm gypsum plaster board and finished with two coats interior quality PVA emulsion paint , including corners, ends, etc | m              | 20   |        |
| 4   | Extra over preceding item for hollow core single door 813 x 2032mm high, including steel frame, two-lever mortice lock, primer and two coats paint  | No             | 20   |        |
| 5   | Protection roof 2m x 3m x not exceeding 3m high over main entrance formed of troughed sheet metal on timber bearers and posts etc   | No             | 20   |        |
| <b>REMOVAL OF EXISTING WORK</b>   |   |                |      |        |
| <b>Breaking up and removing unreinforced concrete</b>   |   |                |      |        |
| 6   | Steps   | m <sup>3</sup> | 20   |        |
| 7   | Not exceeding 100mm thick surface beds or pavings   | m <sup>2</sup> | 20   |        |
| <b>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</b> |   |                |      |        |
| 8   | Stairs and landings   | m <sup>3</sup> | 20   |        |
| 9   | Beams   | m <sup>3</sup> | 20   |        |
| 10  | Columns   | m <sup>3</sup> | 20   |        |
| 11  | Not exceeding 150mm thick surface beds  | m <sup>2</sup> | 20   |        |
| 12  | Not exceeding 200mm thick slabs   | m <sup>2</sup> | 20   |        |
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|  |  | Quantity       | Rate | Amount |
|--|--|----------------|------|--------|
| 13   | 1.5 x 1.5m Portion of not exceeding 200mm thick slab including temporary supports all around | No             | 20   |        |
| <b>Breaking down and removing brickwork etc</b>                                    |  |                |      |        |
| 14   | Mass brickwork   | m <sup>3</sup> | 20   |        |
| 15   | Half brick walls   | m <sup>2</sup> | 20   |        |
| 16   | One brick walls  | m <sup>2</sup> | 20   |        |
| 17   | 270mm Hollow walls of two half brick skins   | m <sup>2</sup> | 20   |        |
| <b>Taking out and removing doors, windows, etc from brickwork to be demolished</b> |  |                |      |        |
| 18   | Timber single door and frame not exceeding 2,5m2   | No             | 20   |        |
| 19   | Timber double door and frame exceeding 2,5m2 and not exceeding 5m2                           | No             | 20   |        |
| 20   | Timber single door and steel frame not exceeding 2,5m2                                       | No             | 20   |        |
| 21   | Timber double door and steel frame exceeding 2,5m2 and not exceeding 5m2                     | No             | 20   |        |
| 22   | Glazed timber window not exceeding 2,5m2   | No             | 20   |        |
| 23   | Glazed timber window exceeding 2,5m2 and not exceeding 5m2                                   | No             | 20   |        |
| 24   | Glazed timber window exceeding 5m2 and not exceeding 7.5m2                                   | No             | 20   |        |
| 25   | Glazed aluminium window not exceeding 2,5m2  | No             | 20   |        |
| 26   | Glazed aluminium window exceeding 2,5m2 and not exceeding 5m2                                | No             | 20   |        |
| 27   | Glazed aluminium window exceeding 5m2 and not exceeding 7.5m2                                | No             | 20   |        |
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Quantity

Rate

Amount

|  |  |    |    |
|--|--|----|----|
| 28   | Glazed steel window not exceeding 2,5m2  | No | 20 |
| 29   | Glazed steel window exceeding 2,5m2 and not exceeding 5m2                          | No | 20 |
| 30   | Glazed steel window exceeding 5m2 and not exceeding 7.5m2                          | No | 20 |
| 31   | Roller shutter door 2.4m x 2.1m high   | No | 20 |
| 32   | Roller shutter door 3m x 3m high   | No | 20 |
| 33   | Roller shutter door 4.5m x 4m high   | No | 20 |
| <b>Taking out and removing doors, windows, etc, including thresholds, sills, etc (building up openings and making good finishes elsewhere)</b> |  |    |    |
| 34   | Timber single door and frame 900 x 2100mm high overall from half brick wall        | No | 20 |
| 35   | Timber single door and frame 900 x 2100mm high overall from one brick wall         | No | 20 |
| 36   | Timber double door and frame 1600 x 2100mm high overall from half brick wall       | No | 20 |
| 37   | Timber double door and frame 1600 x 2100mm high overall from one brick wall        | No | 20 |
| 38   | Timber single door and steel frame 900 x 2100mm high overall from half brick wall  | No | 20 |
| 39   | Timber single door and steel frame 900 x 2100mm high overall from one brick wall   | No | 20 |
| 40   | Timber double door and steel frame 1500 x 2100mm high overall from half brick wall | No | 20 |
| 41   | Timber double door and steel frame 1500 x 2100mm high overall from one brick wall  | No | 20 |
| 42   | Glazed timber window 600 x 600mm high from one brick wall                          | No | 20 |

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Quantity Rate Amount

|  |   |    |    |
|--|---|----|----|
| 43   | Glazed timber window 1200 x 1200mm high from one brick wall   | No | 20 |
| 44   | Glazed timber window 1800 x 1500mm high from one brick wall   | No | 20 |
| 45   | Glazed steel window 533 x 533mm high from one brick wall  | No | 20 |
| 46   | Glazed steel window 1022 x 1022mm high from one brick wall  | No | 20 |
| 47   | Glazed steel window 1511 x 1511mm high from one brick wall  | No | 20 |
| 48   | Glazed steel door 860 x 2080mm high from one brick wall   | No | 20 |
| 49   | Glazed steel double door 1511 x 2080mm high from one brick wall   | No | 20 |
| 50   | Glazed steel composite double door and sidelight 2400 x 2080mm high from one brick wall   | No | 20 |
| <b>Taking out and removing doors, windows, etc, including thresholds, sills, etc., setting aside for re-use and later refixing in similar new position</b> |   |    |    |
| 51   | Timber single door and frame 900 x 2100mm high overall including setting up and building in frame in new brickwork, rehangng door on new 2 x 100mm brass hinges and replacing lock with two lever mortice lockset                     | No | 20 |
| 52   | Timber double door and frame 1600 x 2100mm high overall including setting up and building in frame in new brickwork, rehangng door on new 2 x 100mm brass hinges per leaf and replacing lock with three lever rebated mortice lockset | No | 20 |
| 53   | Glazed steel window 533 x 533m high including setting up and building in in new brickwork and replacing any broken glass panes with 4mm clear float glass   | No | 20 |
| 54   | Glazed steel window 1022 x 1022m high including setting up and building in in new brickwork and replacing any broken glass panes with 4mm clear float glass   | No | 20 |
| 55   | Glazed steel window 533 x 533m high including setting up and building in in new brickwork and replacing any broken glass panes with 4mm obscure glass   | No | 20 |
| 56   | Glazed steel window 1022 x 1022m high including setting up and building in in new brickwork and replacing any broken glass panes with 4mm obscure glass   | No | 20 |

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57 Glazed steel composite door and sidelights 2400 x 2080mm high including setting up and building in in new brickwork and replacing any broken glass panes with 5mm clear toughened glass

No 20

**Taking down and removing roofs, floors, panelling, ceilings, partitions, etc**

58 Profiled sheet steel roof covering and timber purlins

m<sup>2</sup> 20

59 Profiled sheet steel roof covering and steel purlins

m<sup>2</sup> 20

60 Pitched roof not exceeding 20 degree pitch size on plan 10m x 5m x not exceeding 3m high to eaves, of timber trusses and purlins, corrugated sheet steel covering, ceilings and cornices, eaves soffit covering, fascias, barge boards, gutters and rainwater pipes

No 20

61 Pitched roof exceeding 20 degree pitch size on plan 10m x 5m x not exceeding 3m high to eaves, of timber trusses and purlins, corrugated sheet steel covering, ceilings and cornices, eaves soffit covering, fascias, barge boards, gutters and rainwater pipes

No 20

62 Tongued and grooved timber suspended floors, including timber joists, bearers, skirtings, etc

m<sup>2</sup> 20

63 Slatted timber panelling, including timber grounds, beads, etc

m<sup>2</sup> 20

64 Tongued and grooved timber panelling, including timber grounds, beads, etc

m<sup>2</sup> 20

65 Gypsum plasterboard ceilings, including timber bandering, cornices, etc

m<sup>2</sup> 20

66 Flush plastered gypsum plasterboard suspended ceilings, including suspension grid, hangers, cornices, etc

m<sup>2</sup> 20

67 Acoustic tile suspended ceilings, including suspension grid, hangers, cornices, etc

m<sup>2</sup> 20

68 Not exceeding 65mm Drywall partitions not exceeding 3m high, including doors, glazed borrowed lights, etc

m 20

69 Exceeding 65mm and not exceeding 110mm drywall partitions not exceeding 3m high, including doors, glazed borrowed lights, etc

m 20

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Maintenance Contract

|   |  | Quantity       | Rate | Amount |
|---|--|----------------|------|--------|
| 84  | Towel rail not exceeding 1m long from wall   | No             | 20   |        |
| 85  | Toilet paper holder from wall  | No             | 20   |        |
| 86  | Hat and coat hook from wall  | No             | 20   |        |
| <b>Taking out/off and removing sundry metalwork</b>   |  |                |      |        |
| 87  | Steel or timber handrails from walls, including brackets, and making good plaster finish   | m              | 20   |        |
| 88  | Steel or timber balustrades not exceeding 1.2m high from concrete stairs, including making good granolithic finish                             | m              | 20   |        |
| 89  | Steel staircase comprising two flights and one landing , 6m x 1m overall on plan and rising 3m, including supporting columns, balustrades, etc | No             | 20   |        |
| 90  | Steel burglar proofing with frame 600 x 600mm high bolted to brickwork, including making good face brickwork                                   | No             | 20   |        |
| 91  | Steel burglar proofing with frame 1000 x 1000mm high bolted to brickwork, including making good face brickwork                                 | No             | 20   |        |
| 92  | Steel burglar proofing with frame 1500 x 1500mm high bolted to brickwork, including making good face brickwork                                 | No             | 20   |        |
| <b>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</b> |  |                |      |        |
| 93  | Not exceeding 40mm granolithic from floors   | m <sup>2</sup> | 20   |        |
| 94  | 30mm Granolithic from treads and risers of stairs  | m <sup>2</sup> | 20   |        |
| 95  | Not exceeding 40mm screeds from floors   | m <sup>2</sup> | 20   |        |
| 96  | Average 80mm cement screed to falls and currents from floors   | m <sup>2</sup> | 20   |        |
| 97  | Internal plaster from walls and columns  | m <sup>2</sup> | 20   |        |
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|  |   | Quantity       | Rate     | Maintenance Contract<br>Amount |
|--|---|----------------|----------|--------------------------------|
| 98   | Internal plaster from ceilings and beams  | m <sup>2</sup> | 20       |                                |
| 99   | External plaster from walls, columns and beams  | m <sup>2</sup> | 20       |                                |
| 100  | Granolithic skirtings not exceeding 90mm high   | m              | 20       |                                |
| <b>Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc</b>                     |   |                |          |                                |
| 101  | Tiles to floors   | m <sup>2</sup> | 20       |                                |
| 102  | Tiles to treads and risers of stairs  | m <sup>2</sup> | 20       |                                |
| 103  | Tiles to walls  | m <sup>2</sup> | 20       |                                |
| 104  | Tile skirtings not exceeding 100mm high   | m              | 20       |                                |
| <b>Taking out and removing piping, including cutting off as necessary, holderbats and making good floor and wall finishes (making good tiling and paintwork elsewhere)</b>                                 |   |                |          |                                |
| 105  | PVC/Copper/steel piping not exceeding 50mm nominal diameter                               | m              | 20       |                                |
| 106  | PVC/Copper/steel piping exceeding 50mm and not exceeding 100mm nominal diameter           | m              | 20       |                                |
| 107  | PVC/Copper/steel piping exceeding 100mm and not exceeding 150mm nominal diameter          | m              | 20       |                                |
| <b>Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)</b> |   |                |          |                                |
| 108  | Stainless steel wash hand basin   | No             | 20       |                                |
| 109  | Stainless steel sink and drainer including timber cupboard 1000 x 600 x 900mm high        | No             | 20       |                                |
| 110  | Stainless steel double sink and drainer including timber cupboard 1500 x 600 x 900mm high | No             | 20       |                                |
| Carried to Collection  |   |                |          |                                |
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|  |  | Quantity       | Rate     | Maintenance Contract<br>Amount |
|--|--|----------------|----------|--------------------------------|
| 111  | Vitreous china wash hand basin   | No             | 20       |                                |
| 112  | Vitreous china WC pan with cistern and flush pipe  | No             | 20       |                                |
| 113  | Vitreous china WC pan with flush valve and flush pipe  | No             | 20       |                                |
| 114  | Vitreous china wall hung urinal with flush valve and flush pipe  | No             | 20       |                                |
| 115  | Stainless steel slab urinal 1200 x 1500mm high, including breaking up and removing not exceeding 500mm wide concrete urinal step | No             | 20       |                                |
| 116  | Stainless steel slab urinal 3000 x 1500mm high, including breaking up and removing not exceeding 500mm wide concrete urinal step | No             | 20       |                                |
| 117  | 100 Litre geyser from wall or ceiling  | No             | 20       |                                |
| <b>Taking out/off and removing glass and mirrors</b> |  |                |          |                                |
| 118  | Glass from timber windows with beads, including cleaning out rebates and preparing for new glass                                 | m <sup>2</sup> | 20       |                                |
| 119  | Glass from aluminium windows with beads, including cleaning out rebates and preparing for new glass                              | m <sup>2</sup> | 20       |                                |
| 120  | Glass from steel windows, including cleaning out rebates and preparing for new glass   | m <sup>2</sup> | 20       |                                |
| 121  | Mirror 450 x 450mm high from wall  | No             | 20       |                                |
| 122  | Mirror 900 x 450mm high from wall  | No             | 20       |                                |
| 123  | Mirror 1200 x 600mm high from wall   | No             | 20       |                                |
| 124  | Mirror 2000 x 1000mm high from wall  | No             | 20       |                                |
| Carried to Collection                                |  |                |          |                                |
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|   |  | Quantity       | Rate | Maintenance Contract<br>Amount |
|---|--|----------------|------|--------------------------------|
| <b>CUTTING THROUGH FLOORS AND CEILINGS</b>                                |  |                |      |                                |
| <b>Cutting through:</b>   |  |                |      |                                |
| 125   | Not exceeding 100mm thick unreinforced concrete surface bed for 900mm wide concrete wall footings and making good concrete on both sides of new one brick walls (making good floor finishes elsewhere)                   | m              | 20   |                                |
| 126   | Exceeding 100mm and not exceeding 150mm thick reinforced concrete surface bed for 900mm wide concrete wall footings and making good concrete on both sides of new one brick walls (making good floor finishes elsewhere) | m              | 20   |                                |
| 127   | Not exceeding 100mm thick unreinforced concrete surface bed for not exceeding 50mm nominal diameter pipe and making good concrete (making good floor finishes elsewhere)   | m              | 20   |                                |
| 128   | Not exceeding 150mm thick reinforced concrete surface bed for not exceeding 50mm nominal diameter pipe and making good concrete (making good floor finishes elsewhere)   | m              | 20   |                                |
| 129   | Not exceeding 100mm thick unreinforced concrete surface bed for 1000 x 1000mm concrete column base and making good concrete all round 300 x 300mm column / pier (making good floor finishes elsewhere)                   | No             | 20   |                                |
| 130   | Not exceeding 150mm thick reinforced concrete surface bed for 1000 x 1000mm concrete column base and making good concrete all round 300x 300mm column / pier (making good floor finishes elsewhere)                      | No             | 20   |                                |
| 131   | Gypsum plasterboard ceilings and timber brandering for half brick walls, including making good on both sides of walls, necessary additional brandering etc (new cornices elsewhere)                                      | m              | 20   |                                |
| 132   | Gypsum plasterboard ceilings and timber brandering for one brick walls, including making good on both sides of walls, necessary additional brandering etc (new cornices elsewhere)                                       | m              | 20   |                                |
| <b>BUILDING UP OPENINGS</b>   |  |                |      |                                |
| <b>Brickwork in NFP bricks in class II mortar in building up openings</b> |  |                |      |                                |
| 133   | Half brick walls   | m <sup>2</sup> | 20   |                                |
| 134   | One brick walls  | m <sup>2</sup> | 20   |                                |
| 135   | 270mm Hollow walls of two half brick skins   | m <sup>2</sup> | 20   |                                |
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|   |  |                | Quantity | Rate     | Maintenance Contract<br>Amount |
|---|--|----------------|----------|----------|--------------------------------|
| <b>Brickwork in NFP bricks in class II mortar in building up openings, including bonding new to existing and making good cement plaster on both sides (making good paintwork elsewhere)</b> |  |                |          |          |                                |
| 136   | Opening 500 x 500mm high overall in half brick wall                              | No             | 20       |          |                                |
| 137   | Opening 500 x 500mm high overall in one brick wall                               | No             | 20       |          |                                |
| 138   | Opening 500 x 500mm high overall in 270mm hollow brick wall                      | No             | 20       |          |                                |
| 139   | Opening 1000 x 1000mm high overall in half brick wall                            | No             | 20       |          |                                |
| 140   | Opening 1500 x 1500mm high overall in half brick wall                            | No             | 20       |          |                                |
| 141   | Opening 1000 x 1000mm high overall in one brick wall                             | No             | 20       |          |                                |
| 142   | Opening 1500 x 1500mm high overall in one brick wall                             | No             | 20       |          |                                |
| 143   | Opening 1000 x 1000mm high overall in 270mm hollow brick wall                    | No             | 20       |          |                                |
| 144   | Opening 1500 x 1500mm high overall in 270mm hollow brick wall                    | No             | 20       |          |                                |
| <b>Sundries</b>   |  |                |          |          |                                |
| 145   | Cutting toothings and bonding new brickwork to existing                          | m <sup>2</sup> | 20       |          |                                |
| <b>'Corobrik Firelight Satin' face bricks pointed with flush or recessed horizontal and vertical joints to exposed faces</b>  |  |                |          |          |                                |
| 146   | Extra over brickwork for face brickwork in patches                               | m <sup>2</sup> | 20       |          |                                |
| 147   | Cutting toothings and bonding new face brickwork to existing                     | m              | 20       |          |                                |
| 148   | 230mm Wide brick-on-edge header course sills set sloping and slightly projecting | m              | 20       |          |                                |
| 149   | 230mm Wide brick-on-edge header course lintel                                    | m              | 20       |          |                                |
| Carried to Collection   |  |                |          | <b>R</b> |                                |
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|   |   | Quantity       | Rate     | Maintenance Contract<br>Amount |
|---|---|----------------|----------|--------------------------------|
| <b>PREPARATORY WORK TO EXISTING SURFACES</b>                                  |   |                |          |                                |
| 150   | Hacking faces of existing concrete columns, beams, etc to receive plaster       | m <sup>2</sup> | 20       |                                |
| 151   | Raking out joints of existing face brickwork to receive plaster finish          | m <sup>2</sup> | 20       |                                |
| 152   | Hacking existing face brickwork to receive plaster finish                       | m <sup>2</sup> | 20       |                                |
| 153   | Hacking existing face brickwork and raking out joints to receive plaster finish | m <sup>2</sup> | 20       |                                |
| 154   | Making good defects in existing screeded floors with 'Pavelite'                 | m <sup>2</sup> | 20       |                                |
| <b>MAKING GOOD OF FINISHES ETC</b>  |   |                |          |                                |
| <b>Making good face brickwork with 'Corobrik Firelight Satin' face bricks</b> |   |                |          |                                |
| 155   | Ends of half brick walls  | m              | 20       |                                |
| 156   | Ends of one brick walls   | m              | 20       |                                |
| 157   | Faces of walls where half brick cross walls removed                             | m              | 20       |                                |
| 158   | Faces of walls where one brick cross walls removed                              | m              | 20       |                                |
| <b>Making good gypsum plasterboard ceilings and timber brandering</b>         |   |                |          |                                |
| 159   | Ceilings in patches   | m <sup>2</sup> | 20       |                                |
| 160   | Ceilings where half brick walls removed   | m              | 20       |                                |
| 161   | Ceilings where one brick walls removed  | m              | 20       |                                |
| <b>Making good 300 x 300 x 3mm semi-flexible vinyl floor tiles</b>            |   |                |          |                                |
| 162   | Floors in patches   | m <sup>2</sup> | 20       |                                |
| 163   | Floors where 65mm partitions removed  | m              | 20       |                                |
| 164   | Floors where not exceeding 110mm partitions removed                             | m              | 20       |                                |
| Carried to Collection   |   |                |          |                                |
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|  |  | Quantity       | Rate | Maintenance Contract<br>Amount |
|--|--|----------------|------|--------------------------------|
| 165  | Floors where half brick walls removed            | m              | 20   |                                |
| 166  | Floors where half brick one brick walls removed  | m              | 20   |                                |
| <b>Making good untinted granolithic</b>    |  |                |      |                                |
| 167  | Not exceeding 40mm thick on floors in patches    | m <sup>2</sup> | 20   |                                |
| 168  | Floors where half brick walls removed            | m              | 20   |                                |
| 169  | Floors where one brick walls removed             | m              | 20   |                                |
| <b>Making good cement screeds</b>          |  |                |      |                                |
| 170  | Not exceeding 40mm Thick on floors in patches    | m <sup>2</sup> | 20   |                                |
| 171  | Floors where half brick walls removed            | m              | 20   |                                |
| 172  | Floors where one brick walls removed             | m              | 20   |                                |
| <b>Making good internal cement plaster</b> |  |                |      |                                |
| 173  | Walls in patches                                 | m <sup>2</sup> | 20   |                                |
| 174  | Concrete ceilings in patches                     | m <sup>2</sup> | 20   |                                |
| 175  | Walls where half brick walls removed             | m              | 20   |                                |
| 176  | Walls where one brick walls removed              | m              | 20   |                                |
| 177  | Concrete ceilings where half brick walls removed | m              | 20   |                                |
| 178  | Concrete ceilings where one brick walls removed  | m              | 20   |                                |
| Carried to Collection                      |  |                |      | R                              |
| Section No. 2                              |  |                |      |                                |
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| Alterations                                |  |                |      |                                |

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**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 2**  
**EARTHWORKS**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**SITE CLEARANCE**

**Site clearance**

1 Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth

m<sup>2</sup> 20

**REMOVAL OF TREES ETC**

**Taking out and removing, grubbing up roots, filling in holes and compacting to 95% Mod AASHTO density**

2 Tree stump not exceeding 1m high, exceeding 200mm and not exceeding 500mm girth

No 20

3 Tree stump not exceeding 1m high, exceeding 500mm and not exceeding 1000mm girth

No 20

4 Tree stump exceeding 1m high, exceeding 1000mm and not exceeding 2000mm girth

No 20

**Cutting down and removing, grubbing up roots, filling in holes and compacting to 95% Mod AASHTO density**

5 Hedge not exceeding 1m high

m 20

6 Hedge exceeding 1m and not exceeding 2m high

m 20

7 Tree exceeding 200mm and not exceeding 500mm girth

No 20

8 Tree exceeding 500mm and not exceeding 1000mm girth

No 20

9 Tree exceeding 1000mm and not exceeding 2000mm girth

No 20

**EXCAVATION, FILLING, ETC. OTHER THAN BULK**

**Open face excavation in earth over sloping site**

10 Open face excavation

m<sup>3</sup> 20

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Bill No. 2

Earthworks



|  |  | Quantity       | Rate | Maintenance Contract Amount |
|--|--|----------------|------|-----------------------------|
| 27   | Trenches including working around piles                              | m <sup>3</sup> | 20   |                             |
| 28   | Holes including working around piles                                 | m <sup>3</sup> | 20   |                             |
| 29   | Thickening under surface beds etc                                    | m <sup>3</sup> | 20   |                             |
| 30   | Underpinning in 1.5m alternating sections under existing foundations | m <sup>3</sup> | 20   |                             |
| <b>FILLING, ETC</b>  |  |                |      |                             |
| <b>Earth filling obtained from the excavations (not compacted)</b>   |  |                |      |                             |
| 31   | Over site to make up levels  | m <sup>3</sup> | 20   |                             |
| 32   | In landscape mounds, berms, etc                                      | m <sup>3</sup> | 20   |                             |
| <b>Earth filling obtained from the excavations, including haulage not exceeding 100m from the perimeter of the excavations (not compacted)</b>   |  |                |      |                             |
| 33   | Over site to make up levels  | m <sup>3</sup> | 20   |                             |
| 34   | In landscape mounds, berms, etc                                      | m <sup>3</sup> | 20   |                             |
| <b>Earth filling obtained from the excavations and/or prescribed stock piles on site, including haulage not exceeding 100m from the perimeter of the excavations or stock piles, compacted to 95% Mod AASHTO density</b> |  |                |      |                             |
| 35   | Over site to make up levels  | m <sup>3</sup> | 20   |                             |
| 36   | In landscape mounds, berms, etc                                      | m <sup>3</sup> | 20   |                             |
| 37   | Under floors, steps, pavings, etc                                    | m <sup>3</sup> | 20   |                             |
| 38   | Backfilling behind retaining walls                                   | m <sup>3</sup> | 20   |                             |
| 39   | Backfilling to trenches, holes, etc                                  | m <sup>3</sup> | 20   |                             |
| <b>Filling of gravel-soil or stone material supplied by the contractor, compacted to 95% Mod AASHTO density</b>  |  |                |      |                             |
| 40   | G2 Over site to make up levels                                       | m <sup>3</sup> | 20   |                             |
| Carried to Collection  |  |                |      | R                           |
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|   |   | Quantity       | Rate | Amount |
|---|---|----------------|------|--------|
| <b>Garden soil filling supplied by the contractor (3 parts well sifted topsoil, 1 part compost and 1 part milled pine bark), lightly consolidated</b>   |   |                |      |        |
| 55  | Over site   | m <sup>3</sup> | 20   |        |
| 56  | In landscape mounds, berms, etc   | m <sup>3</sup> | 20   |        |
| 57  | In plant boxes  | m <sup>3</sup> | 20   |        |
| <b>Filling of coarse river sand supplied by the contractor, consolidated</b>  |   |                |      |        |
| 58  | Under floors etc  | m <sup>3</sup> | 20   |        |
| 59  | Behind retaining walls  | m <sup>3</sup> | 20   |        |
| 60  | In floor ducts  | m <sup>3</sup> | 20   |        |
| <b>GABIONS AND INTERLOCKING BLOCK RETAINING STRUCTURES</b>  |   |                |      |        |
| <b>Gabions</b>  |   |                |      |        |
| Gabions of double twisted hexagonal wire mesh (nominal 80 x 100mm mesh of 2,7mm galvanised wire, with 3,5mm galvanised wire framing and with partitions at 1m centres). All wire to be hot-dip galvanised to SANS 675 |   |                |      |        |
| <b>Gabions of galvanised wire boxes laced together and filled with broken stone</b>   |   |                |      |        |
| 61  | 500mm Thick retaining wall of 3 x 2 x 0,5m boxes properly bonded (total height not exceeding 5m)  | m <sup>3</sup> | 20   |        |
| 62  | 300mm Thick embankment protection of 3 x 3 x 0,3m mattresses with diaphragm divisions at 1m centres, butt jointed (total height not exceeding 5m) | m <sup>3</sup> | 20   |        |
| <b>FILTER FABRIC</b>  |   |                |      |        |
| <b>'Bidim U14 filter fabric blanket with 250mm laps</b>   |   |                |      |        |
| 63  | Under stone filled gabion mattresses including preparing ground surface under   | m <sup>2</sup> | 20   |        |
| 64  | Vertically behind stone filled gabion retaining walls   | m <sup>2</sup> | 20   |        |
| 65  | Over stone percolation beds in flower boxes   | m <sup>2</sup> | 20   |        |
| 66  | Around stone filling in subsoil drain trenches  | m <sup>2</sup> | 20   |        |
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|   |  | Quantity       | Rate | Amount |
|---|--|----------------|------|--------|
| <b>WEED KILLERS, INSECTICIDES, ETC</b>  |  |                |      |        |
| <b>Weedkiller (active ingredients metalaclor 102,8 g/l, terbitilasien 248,6 g/l and atrasien 248,6 g/l) mixed in the proportion of 100 ml weedkiller to 100 l water and applied at a rate of 10 l/m</b> |  |                |      |        |
| 67  | Under paving etc   | m <sup>2</sup> | 20   |        |
| <b>Soil insecticide in accordance with SANS 5859</b>  |  |                |      |        |
| 68  | Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming | m <sup>2</sup> | 20   |        |
| 69  | To bottoms and sides of trenches etc   | m <sup>2</sup> | 20   |        |
| <b>TESTS</b>  |  |                |      |        |
| <b>Prescribed tests to determine degree of compaction or other properties of ground or filling</b>  |  |                |      |        |
| 70  | Modified AASHTO Density test   | No             | 20   |        |
| 71  | Natural California Bearing Ratio test  | No             | 20   |        |
| 72  | Road Indicator test  | No             | 20   |        |
| 73  | Field Density test, including Optimum Moisture Content test (four readings per test)   | No             | 20   |        |
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**SECTION NO. 2  
SUPERSTRUCTURE**

**BILL NO. 3**

**CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)**

**PREAMBLES**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**SUPPLEMENTARY PREAMBLES**

**Cost of tests**

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 principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)

**Formwork**

Descriptions of formwork shall be deemed to include use and waste only (except where described as 'left in' or 'permanent'), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use

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

Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described

Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks

**LIGHTWEIGHT CONCRETE**

**Breeze concrete**

|   |  |                |    |  |  |
|---|--|----------------|----|--|--|
| 1 | Grading to slabs   | m <sup>3</sup> | 20 |  |  |
| 2 | Finishing smooth top surfaces of grading to falls for waterproofing including 1:8 monolithic cement plaster screed as necessary              | m <sup>2</sup> | 20 |  |  |
| 3 | Finishing smooth top surfaces of grading to falls and currents for waterproofing including 1:8 monolithic cement plaster screed as necessary | m <sup>2</sup> | 20 |  |  |
| 4 | 75 x 75mm 1:8 Cement plaster triangular fillets against walls etc  | m              | 20 |  |  |

Carried to Collection

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Section No. 2

Bill No. 3

Concrete, Formwork And Reinforcement (provisional)

|  |  | Quantity       | Rate | Amount |
|--|--|----------------|------|--------|
| <b>Lightweight concrete</b>                                  |  |                |      |        |
| 5  | Grading to slabs   | m <sup>3</sup> | 20   |        |
| 6  | Finishing smooth top surfaces of grading to falls for waterproofing              | m <sup>2</sup> | 20   |        |
| 7  | Finishing smooth top surfaces of grading to falls and currents for waterproofing | m <sup>2</sup> | 20   |        |
| 8  | 75 x 75mm Triangular fillets against walls etc                                   | m              | 20   |        |
| <b>UNREINFORCED CONCRETE CAST ON/IN FORMWORK</b>             |  |                |      |        |
| <b>15Mpa/19mm concrete</b>                                   |  |                |      |        |
| 9  | Surface blinding under surface beds  | m <sup>3</sup> | 20   |        |
| 10   | Surface blinding under footings and bases  | m <sup>3</sup> | 20   |        |
| 11   | Drainage columns behind retaining walls  | m <sup>3</sup> | 20   |        |
| <b>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b> |  |                |      |        |
| <b>20Mpa/19mm concrete</b>                                   |  |                |      |        |
| 12   | Strip footings   | m <sup>3</sup> | 20   |        |
| 13   | Surface beds   | m <sup>3</sup> | 20   |        |
| 14   | Surface beds cast in panels  | m <sup>3</sup> | 20   |        |
| 15   | Surface beds on waterproofing  | m <sup>3</sup> | 20   |        |
| 16   | Surface beds cast in panels on waterproofing                                     | m <sup>3</sup> | 20   |        |
| 17   | Pavings  | m <sup>3</sup> | 20   |        |
| 18   | Pavings cast in panels   | m <sup>3</sup> | 20   |        |
| 19   | Ramps  | m <sup>3</sup> | 20   |        |
|  | Carried to Collection  |                |      | R      |
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| Concrete, Formwork And Reinforcement (provisional)           |  |                |      |        |



|    |  | Quantity          | Rate | Amount |
|----|--|-------------------|------|--------|
| 36 | Slabs including beams and inverted beams to be post-tensioned                    | m <sup>3</sup> 20 |      |        |
| 37 | Stepped slabs including beams and inverted beams                                 | m <sup>3</sup> 20 |      |        |
| 38 | Stepped slabs including beams and inverted beam                                  | m <sup>3</sup> 20 |      |        |
| 39 | Raking slabs including beams and inverted beams                                  | m <sup>3</sup> 20 |      |        |
| 40 | Coffered slabs including beams and inverted beams                                | m <sup>3</sup> 20 |      |        |
| 41 | Troughed slabs including beams and inverted beams                                | m <sup>3</sup> 20 |      |        |
| 42 | Composite hollow block slabs including beams and inverted beams                  | m <sup>3</sup> 20 |      |        |
| 43 | Composite prefabricated beam and trough slabs including beams and inverted beams | m <sup>3</sup> 20 |      |        |
| 44 | Hood slabs   | m <sup>3</sup> 20 |      |        |
| 45 | Vanity slabs, cupboard slabs, cover slabs, etc                                   | m <sup>3</sup> 20 |      |        |
| 46 | Isolated beams   | m <sup>3</sup> 20 |      |        |
| 47 | Bottoms and sides of isolated gutter beams                                       | m <sup>3</sup> 20 |      |        |
| 48 | Lintels  | m <sup>3</sup> 20 |      |        |
| 49 | Stairs including landings, beams and inverted beams                              | m <sup>3</sup> 20 |      |        |
| 50 | Retaining walls in foundations   | m <sup>3</sup> 20 |      |        |
| 51 | Retaining walls  | m <sup>3</sup> 20 |      |        |
| 52 | Walls in foundations   | m <sup>3</sup> 20 |      |        |
|    | Carried to Collection  |                   | R    |        |
|    | Section No. 2  |                   |      |        |
|    | Bill No. 3   |                   |      |        |
|    | Concrete, Formwork And Reinforcement (provisional)                               |                   |      |        |

|    |  |                | Quantity | Rate | Amount |
|----|--|----------------|----------|------|--------|
| 53 | Walls  | m <sup>3</sup> | 20       |      |        |
| 54 | Balustrade walls   | m <sup>3</sup> | 20       |      |        |
| 55 | Columns  | m <sup>3</sup> | 20       |      |        |
| 56 | Columns in foundations   | m <sup>3</sup> | 20       |      |        |
|    | <b>30MPa/19mm concrete</b>   |                |          |      |        |
| 57 | Surface beds cast in panels on waterproofing                                     | m <sup>3</sup> | 20       |      |        |
| 58 | Slabs including beams and inverted beams   | m <sup>3</sup> | 20       |      |        |
| 59 | Slabs including beams and inverted beams to be post-tensioned                    | m <sup>3</sup> | 20       |      |        |
| 60 | Cofferred slabs including beams and inverted beams                               | m <sup>3</sup> | 20       |      |        |
| 61 | Raking slabs including beams and inverted beams                                  | m <sup>3</sup> | 20       |      |        |
| 62 | Troughed slabs including beams and inverted beams                                | m <sup>3</sup> | 20       |      |        |
| 63 | Composite hollow block slabs including beams and inverted beams                  | m <sup>3</sup> | 20       |      |        |
| 64 | Composite prefabricated beam and trough slabs including beams and inverted beams | m <sup>3</sup> | 10       |      |        |
| 65 | Hood slabs   | m <sup>3</sup> | 10       |      |        |
| 66 | Isolated beams   | m <sup>3</sup> | 10       |      |        |
| 67 | Bottoms and sides of isolated gutter beams                                       | m <sup>3</sup> | 10       |      |        |
| 68 | Columns  | m <sup>3</sup> | 10       |      |        |
|    | Carried to Collection  |                |          | R    |        |
|    | Section No. 2  |                |          |      |        |
|    | Bill No. 3   |                |          |      |        |
|    | Concrete, Formwork And Reinforcement (provisional)                               |                |          |      |        |

|  |  |                | Quantity | Rate | Maintenance Contract<br>Amount |  |
|--|--|----------------|----------|------|--------------------------------|--|
| 69   | Columns in foundations                       | m <sup>3</sup> | 10       |      |                                |  |
| <b>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</b> |  |                |          |      |                                |  |
| <b>25MPa/19mm concrete</b>                                 |  |                |          |      |                                |  |
| 70   | Strip footings                               | m <sup>3</sup> | 20       |      |                                |  |
| 71   | Bases  | m <sup>3</sup> | 20       |      |                                |  |
| 72   | Pile caps                                    | m <sup>3</sup> | 20       |      |                                |  |
| 73   | Foundation beams                             | m <sup>3</sup> | 20       |      |                                |  |
| 74   | Surface beds                                 | m <sup>3</sup> | 20       |      |                                |  |
| 75   | Surface beds cast in panels                  | m <sup>3</sup> | 20       |      |                                |  |
| 76   | Surface beds on waterproofing                | m <sup>3</sup> | 20       |      |                                |  |
| 77   | Surface beds cast in panels on waterproofing | m <sup>3</sup> | 20       |      |                                |  |
| 78   | Pavings                                      | m <sup>3</sup> | 20       |      |                                |  |
| 79   | Pavings cast in panels                       | m <sup>3</sup> | 20       |      |                                |  |
| 80   | Ramps  | m <sup>3</sup> | 20       |      |                                |  |
| 81   | Bottoms and sides of floor ducts             | m <sup>3</sup> | 20       |      |                                |  |
| 82   | Retaining walls in foundations               | m <sup>3</sup> | 20       |      |                                |  |
| 83   | Retaining walls                              | m <sup>3</sup> | 20       |      |                                |  |
| 84   | Walls  | m <sup>3</sup> | 20       |      |                                |  |
| Carried to Collection                                      |  |                |          |      | <b>R</b>                       |  |
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| Concrete, Formwork And Reinforcement (provisional)         |  |                |          |      |                                |  |



|  |  | Quantity          | Rate | Maintenance Contract<br>Amount |
|--|--|-------------------|------|--------------------------------|
| 100  | Pavings to falls and currents                  | m <sup>2</sup> 20 |      |                                |
| 101  | Tops of beams, walls, etc                      | m <sup>2</sup> 20 |      |                                |
| 102  | Sloping and splayed tops of beams, walls, etc  | m <sup>2</sup> 20 |      |                                |
| <b>Finishing top surfaces of concrete smooth with a power float</b>            |  |                   |      |                                |
| 103  | Surface beds, slabs, etc                       | m <sup>2</sup> 20 |      |                                |
| 104  | Surface beds, slabs, etc to falls              | m <sup>2</sup> 20 |      |                                |
| 105  | Surface beds, slabs, etc to falls and currents | m <sup>2</sup> 20 |      |                                |
| 106  | Pavings to falls                               | m <sup>2</sup> 20 |      |                                |
| 107  | Pavings to falls and currents                  | m <sup>2</sup> 20 |      |                                |
| <b>Finishing top surfaces of concrete to an evenly ribbed non-slip surface</b> |  |                   |      |                                |
| 108  | Surface beds, slabs, etc                       | m <sup>2</sup> 20 |      |                                |
| 109  | Surface beds, slabs, etc to falls              | m <sup>2</sup> 20 |      |                                |
| 110  | Surface beds, slabs, etc to falls and currents | m <sup>2</sup> 20 |      |                                |
| 111  | Pavings to falls                               | m <sup>2</sup> 20 |      |                                |
| 112  | Pavings to falls and currents                  | m <sup>2</sup> 20 |      |                                |
| 113  | Tops of beams, walls, etc                      | m <sup>2</sup> 20 |      |                                |
| 114  | Sloping and splayed tops of beams, walls, etc  | m <sup>2</sup> 20 |      |                                |
| <b>Grooves, channels, mortices, sinkings, etc in concrete</b>                  |  |                   |      |                                |
| 115  | 40 x 40mm Grooves in top                       | m 20              |      |                                |
| Carried to Collection  |  |                   |      | R                              |
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|  |  | Quantity       | Rate     | Maintenance Contract<br>Amount |
|--|--|----------------|----------|--------------------------------|
| 116  | 150 x 100mm Channels in top                              | m              | 20       |                                |
| 117  | 300 x Average 80mm segmental channels in top             | m              | 20       |                                |
| 118  | Mortice in top, side, etc not exceeding 150mm deep       | No             | 20       |                                |
| 119  | 80 x 80 x 150mm Sinking in top                           | No             | 20       |                                |
| <b>30 MPa non-shrink grout</b>                     |  |                |          |                                |
| 120  | Bedding approximately 30mm thick under steel base plates | m <sup>2</sup> | 20       |                                |
| <b>ROUGH FORMWORK (DEGREE OF ACCURACY III)</b>     |  |                |          |                                |
| <b>Rough formwork to sides</b>                     |  |                |          |                                |
| 121  | Strip footings   | m <sup>2</sup> | 20       |                                |
| 122  | Bases  | m <sup>2</sup> | 20       |                                |
| 123  | Steps in footings  | m <sup>2</sup> | 20       |                                |
| 124  | Retaining walls  | m <sup>2</sup> | 20       |                                |
| 125  | Retaining walls circular to not exceeding 1m radius      | m <sup>2</sup> | 20       |                                |
| 126  | Retaining walls circular to exceeding 1m radius          | m <sup>2</sup> | 20       |                                |
| 127  | Walls in foundations                                     | m <sup>2</sup> | 20       |                                |
| 128  | Walls in foundations circular to not exceeding 1m radius | m <sup>2</sup> | 20       |                                |
| 129  | Walls in foundations circular to exceeding 1m radius     | m <sup>2</sup> | 20       |                                |
| 130  | Walls  | m <sup>2</sup> | 20       |                                |
| 131  | Walls circular to not exceeding 1m radius                | m <sup>2</sup> | 20       |                                |
| Carried to Collection                              |  |                |          |                                |
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|  |   | Quantity          | Rate | Maintenance Contract<br>Amount |
|--|---|-------------------|------|--------------------------------|
| 132  | Walls circular to exceeding 1m radius   | m <sup>2</sup> 20 |      |                                |
| 133  | Walls with total height exceeding 3.5m and not exceeding 5m above bearing level                                     | m <sup>2</sup> 20 |      |                                |
| 134  | Walls with total height exceeding 3.5m and not exceeding 5m above bearing level circular to not exceeding 1m radius | m <sup>2</sup> 20 |      |                                |
| 135  | Walls with total height exceeding 3.5m and not exceeding 5m above bearing level circular to exceeding 1m radius     | m <sup>2</sup> 20 |      |                                |
| 136  | Stair walls stepped over treads and risers  | m <sup>2</sup> 20 |      |                                |
| 137  | Inner face of balustrade walls circular to not exceeding 1m radius  | m <sup>2</sup> 20 |      |                                |
| 138  | Inner face of balustrade walls circular to exceeding 1m radius  | m <sup>2</sup> 20 |      |                                |
| 139  | Outer face of balustrade walls  | m <sup>2</sup> 20 |      |                                |
| 140  | Outer face of raking balustrade walls   | m <sup>2</sup> 20 |      |                                |
| 141  | Rectangular columns in foundations  | m <sup>2</sup> 20 |      |                                |
| 142  | Rectangular columns   | m <sup>2</sup> 20 |      |                                |
| 143  | L-shaped columns in foundations   | m <sup>2</sup> 20 |      |                                |
| 144  | L-shaped columns  | m <sup>2</sup> 20 |      |                                |
| 145  | Rectangular columns with total height exceeding 3.5m and not exceeding 5m above bearing level                       | m <sup>2</sup> 20 |      |                                |
| 146  | Rectangular columns with one face against existing surfaces   | m <sup>2</sup> 20 |      |                                |
| 147  | T-shaped columns in foundations   | m <sup>2</sup> 20 |      |                                |
| Carried to Collection                              |   |                   | R    |                                |
| Section No. 2                                      |   |                   |      |                                |
| Bill No. 3   |   |                   |      |                                |
| Concrete, Formwork And Reinforcement (provisional) |   |                   |      |                                |



|  |  |                | Quantity | Rate | Maintenance Contract<br>Amount |
|--|--|----------------|----------|------|--------------------------------|
| 164  | Edges of post-tensioned slabs exceeding 300mm high   | m <sup>2</sup> | 20       |      |                                |
| 165  | Edges, risers, ends and reveals not exceeding 300mm high or wide   | m              | 20       |      |                                |
| 166  | Edges, risers, ends and reveals not exceeding 300mm high or wide circular to not exceeding 1m radius   | m              | 20       |      |                                |
| 167  | Edges, risers, ends and reveals not exceeding 300mm high or wide circular to exceeding 1m radius   | m              | 20       |      |                                |
| 168  | Edges of post-tensioned slabs not exceeding 300mm high   | m              | 20       |      |                                |
| 169  | Sloping and stepped outer edges of stairs not exceeding 300mm high extreme   | m              | 20       |      |                                |
| 170  | Sloping and stepped outer edges of stairs 480mm high extreme   | m              | 20       |      |                                |
| 171  | Sloping and stepped inner sides of kerbs to stairs not exceeding 300mm high extreme  | m              | 20       |      |                                |
| 172  | Circular column 300mm diameter   | No             | 20       |      |                                |
| 173  | Circular column 300mm diameter propped up exceeding 3.5m and not exceeding 5m high   | No             | 20       |      |                                |
| 174  | Circular column 500mm diameter   | No             | 20       |      |                                |
| 175  | Circular column 500mm diameter propped up exceeding 3.5m and not exceeding 5m high   | No             | 20       |      |                                |
| 176  | Frustrum of a pyramid shaped column cap 2000 x 2000mm at top, 600 x 600mm at bottom and 500mm high overall, with top 100mm of cap vertical   | No             | 20       |      |                                |
| 177  | Frustrum of a pyramid shaped column cap 2000 x 2000mm at top, 600 x 600mm at bottom and 500mm high overall, with top 100mm of cap vertical propped up exceeding 3,5m and not exceeding 5m high | No             | 20       |      |                                |
| 178  | Frustrum of a cone shaped column cap 250mm diameter at bottom, 1000mm diameter at top and 500mm high overall, with top 100mm of cap vertical   | No             | 20       |      |                                |
| Carried to Collection                              |  |                |          |      |                                |
|  |  |                |          |      | <b>R</b>                       |
| Section No. 2                                      |  |                |          |      |                                |
| Bill No. 3   |  |                |          |      |                                |
| Concrete, Formwork And Reinforcement (provisional) |  |                |          |      |                                |

|  |  |                | Quantity | Rate | Maintenance Contract<br>Amount |
|--|--|----------------|----------|------|--------------------------------|
| 179  | Frustrum of a cone shaped column cap 250mm diameter at bottom, 1000mm diameter at top and 500mm high overall, with top 100mm of cap vertical propped up exceeding 3,5m and not exceeding 5m high | No             | 40       |      |                                |
| <b>Rough formwork to soffits</b>                   |  |                |          |      |                                |
| 180  | Post-tensioned slabs   | m <sup>2</sup> | 20       |      |                                |
| 181  | Post-tensioned slabs propped up exceeding 3.5m and not exceeding 5m high   | m <sup>2</sup> | 20       |      |                                |
| 182  | Slabs  | m <sup>2</sup> | 20       |      |                                |
| 183  | Slabs propped up exceeding 3.5m and not exceeding 5m high  | m <sup>2</sup> | 20       |      |                                |
| 184  | Slabs exceeding 250mm and not exceeding 500mm thick propped up exceeding 3.5m and not exceeding 5m high  | m <sup>2</sup> | 20       |      |                                |
| 185  | Slabs exceeding 250mm and not exceeding 500mm thick propped up exceeding 5m and not exceeding 6.5m high  | m <sup>2</sup> | 20       |      |                                |
| 186  | Slabs with sloping soffits   | m <sup>2</sup> | 20       |      |                                |
| 187  | Cantilever slabs   | m <sup>2</sup> | 20       |      |                                |
| 188  | Cantilever slabs propped up not exceeding 1,5m high  | m <sup>2</sup> | 20       |      |                                |
| 189  | Cantilever slabs propped up exceeding 5m and not exceeding 6.5m high   | m <sup>2</sup> | 20       |      |                                |
| 190  | Hood slabs   | m <sup>2</sup> | 20       |      |                                |
| 191  | Cupboard slabs, cover slabs, etc   | m <sup>2</sup> | 20       |      |                                |
| 192  | Vanity slabs, cupboard slabs, cover slabs, etc propped up not exceeding 1,5m high  | m <sup>2</sup> | 20       |      |                                |
| 193  | Landings   | m <sup>2</sup> | 20       |      |                                |
| Carried to Collection                              |  |                |          | R    |                                |
| Section No. 2                                      |  |                |          |      |                                |
| Bill No. 3   |  |                |          |      |                                |
| Concrete, Formwork And Reinforcement (provisional) |  |                |          |      |                                |

|  |  | Quantity          | Rate | Maintenance Contract<br>Amount |
|--|--|-------------------|------|--------------------------------|
| 194  | Landings exceeding 250mm and not exceeding 500mm thick   | m <sup>2</sup> 20 |      |                                |
| 195  | Stairs with sloping soffits  | m <sup>2</sup> 20 |      |                                |
| 196  | Stairs with sloping soffits propped of stairs below  | m <sup>2</sup> 40 |      |                                |
| 197  | Wall beams over openings   | m <sup>2</sup> 20 |      |                                |
| 198  | Wall beams over openings propped up not exceeding 1,5m high                                    | m <sup>2</sup> 20 |      |                                |
| 199  | Isolated wall beams over openings  | m <sup>2</sup> 20 |      |                                |
| <b>Rough formwork to sides and soffits</b>         |  |                   |      |                                |
| 200  | Beams  | m <sup>2</sup> 20 |      |                                |
| 201  | Beams propped up not exceeding 1,5m high   | m <sup>2</sup> 20 |      |                                |
| 202  | Beams propped up exceeding 5m and not exceeding 6.5m high                                      | m <sup>2</sup> 20 |      |                                |
| 203  | Beams circular to not exceeding 1m radius  | m <sup>2</sup> 20 |      |                                |
| 204  | Beams circular to exceeding 1m radius  | m <sup>2</sup> 20 |      |                                |
| 205  | Beams circular to not exceeding 1m radius, propped up exceeding 5m and not exceeding 6.5m high | m <sup>2</sup> 20 |      |                                |
| 206  | Isolated beams   | m <sup>2</sup> 20 |      |                                |
| 207  | Isolated beams propped up exceeding 5m and not exceeding 6.5m high                             | m <sup>2</sup> 20 |      |                                |
| 208  | Isolated beams circular to not exceeding 1m radius   | m <sup>2</sup> 20 |      |                                |
| 209  | Isolated beams circular to exceeding 1m radius   | m <sup>2</sup> 20 |      |                                |
| Carried to Collection                              |  |                   | R    |                                |
| Section No. 2                                      |  |                   |      |                                |
| Bill No. 3   |  |                   |      |                                |
| Concrete, Formwork And Reinforcement (provisional) |  |                   |      |                                |

|  |  |                | Quantity | Rate | Maintenance Contract<br>Amount |
|--|--|----------------|----------|------|--------------------------------|
| 210  | Isolated gutter beams  | m <sup>2</sup> | 20       |      |                                |
| 211  | Lintels  | m <sup>2</sup> | 20       |      |                                |
| <b>Rough formwork to form</b>                      |  |                |          |      |                                |
| 212  | Opening not exceeding 1m girth through not exceeding 300mm slab                          | No             | 20       |      |                                |
| 213  | Opening not exceeding 1m girth through 500mm slab  | No             | 20       |      |                                |
| 214  | Opening exceeding 1m and not exceeding 2m girth through not exceeding 300mm slab         | No             | 20       |      |                                |
| 215  | Opening exceeding 1m and not exceeding 2m girth through 500mm slab                       | No             | 20       |      |                                |
| 216  | 400mm Diameter opening through not exceeding 300mm slab                                  | No             | 20       |      |                                |
| 217  | 500mm Diameter opening through not exceeding 300mm slab                                  | No             | 20       |      |                                |
| 218  | Rebated opening not exceeding 1m girth overall through not exceeding 300mm slab          | No             | 20       |      |                                |
| 219  | Rebated opening exceeding 1m and not exceeding 2m girth overall through 500mm slab       | No             | 20       |      |                                |
| 220  | Opening not exceeding 1m girth through not exceeding 300mm wall or beam                  | No             | 20       |      |                                |
| 221  | Opening exceeding 1m and not exceeding 2m girth through not exceeding 300mm wall or beam | No             | 20       |      |                                |
| 222  | Not exceeding 250mm diameter opening through not exceeding 300mm wall or beam            | No             | 20       |      |                                |
| <b>Boxing in rough formwork to form</b>            |  |                |          |      |                                |
| 223  | 30 x 30mm Chamfers along top or bottom edges   | m              | 20       |      |                                |
| Carried to Collection                              |  |                |          | R    |                                |
| Section No. 2                                      |  |                |          |      |                                |
| Bill No. 3   |  |                |          |      |                                |
| Concrete, Formwork And Reinforcement (provisional) |  |                |          |      |                                |

|     |  | Quantity | Rate | Maintenance Contract<br>Amount |
|-----|--|----------|------|--------------------------------|
| 224 | 30 x 30mm Chamfers along top or bottom edges, circular to not exceeding 1m radius<br>m         | 20       |      |                                |
| 225 | 30 x 30mm Chamfers along top or bottom edges, circular to exceeding 1m radius<br>m             | 20       |      |                                |
| 226 | 30 x 30mm Vertical chamfers at corners<br>m  | 20       |      |                                |
| 227 | 50 x 85mm Horizontal chases or grooves in sides<br>m   | 20       |      |                                |
| 228 | 50 x 85mm Horizontal chases or grooves in sides, circular to not exceeding 1m radius<br>m      | 20       |      |                                |
| 229 | 50 x 85mm Horizontal chases or grooves in sides, circular to exceeding 1m radius<br>m          | 20       |      |                                |
| 230 | 40 x 50mm Vertical chases or grooves in sides<br>m   | 20       |      |                                |
| 231 | 80 x 80mm Extreme twice splayed horizontal chases or grooves in sides<br>m                     | 20       |      |                                |
| 232 | 80 x 80mm Extreme twice splayed vertical chases or grooves in sides<br>m                       | 20       |      |                                |
| 233 | 50 x 50mm Rebates in sides along top or bottom edges<br>m                                      | 20       |      |                                |
| 234 | 50 x 50mm Rebates in sides along top or bottom edges, circular to not exceeding 1m radius<br>m | 20       |      |                                |
| 235 | 50 x 50mm Rebates in sides along top or bottom edges, circular to exceeding 1m radius<br>m     | 20       |      |                                |
| 236 | 100 x 100 x 100mm Recess in side<br>No   | 20       |      |                                |
| 237 | 100 x 100 x 100mm Recess in soffit<br>No   | 20       |      |                                |
|     | <b>Boxing out rough formwork to form</b>   |          |      |                                |
| 238 | 110 x 170 mm High horizontal projection to side along top or bottom edge<br>m                  | 20       |      |                                |
|     | Carried to Collection  |          | R    |                                |
|     | Section No. 2  |          |      |                                |
|     | Bill No. 3   |          |      |                                |
|     | Concrete, Formwork And Reinforcement (provisional)   |          |      |                                |

|  |  | Quantity       | Rate | Maintenance Contract<br>Amount |
|--|--|----------------|------|--------------------------------|
| 239  | 110 x 170mm High horizontal projection to side along top or bottom edge, circular to exceeding 1m radius | m              | 20   |                                |
| <b>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</b>     |  |                |      |                                |
| <b>Smooth formwork to sides</b>                    |  |                |      |                                |
| 240  | One side of retaining walls  | m <sup>2</sup> | 20   |                                |
| 241  | Walls  | m <sup>2</sup> | 20   |                                |
| 242  | Walls with total height exceeding 3.5m and not exceeding 5m above bearing level                          | m <sup>2</sup> | 20   |                                |
| 243  | Outer face of balustrade walls   | m <sup>2</sup> | 20   |                                |
| 244  | Beams  | m <sup>2</sup> | 20   |                                |
| 245  | Isolated beams   | m <sup>2</sup> | 20   |                                |
| 246  | Isolated wall beams  | m <sup>2</sup> | 20   |                                |
| 247  | Isolated wall beams over openings  | m <sup>2</sup> | 20   |                                |
| 248  | Inverted beams above concrete  | m <sup>2</sup> | 20   |                                |
| 249  | Rectangular columns  | m <sup>2</sup> | 20   |                                |
| 250  | Rectangular columns with total height exceeding 3.5m and not exceeding 5m above bearing level            | m <sup>2</sup> | 20   |                                |
| 251  | L-shaped columns   | m <sup>2</sup> | 20   |                                |
| 252  | Hexagonal columns  | m <sup>2</sup> | 20   |                                |
| 253  | Edges, risers, ends and reveals exceeding 300mm high or wide   | m <sup>2</sup> | 20   |                                |
| Carried to Collection                              |  |                | R    |                                |
| Section No. 2                                      |  |                |      |                                |
| Bill No. 3   |  |                |      |                                |
| Concrete, Formwork And Reinforcement (provisional) |  |                |      |                                |

|  |  | Quantity       | Rate     | Maintenance Contract<br>Amount |
|--|--|----------------|----------|--------------------------------|
| 254  | Edges, risers, ends and reveals not exceeding 300mm high or wide   | m              | 20       |                                |
| 255  | Edges, risers, ends and reveals not exceeding 300mm high or wide circular to not exceeding 1m radius                             | m              | 20       |                                |
| 256  | Edges, risers, ends and reveals not exceeding 300mm high or wide circular to exceeding 1m radius                                 | m              | 20       |                                |
| <b>Smooth formwork to soffits</b>                  |  |                |          |                                |
| 257  | Slabs  | m <sup>2</sup> | 20       |                                |
| 258  | Slabs propped up exceeding 3.5m and not exceeding 5m high  | m <sup>2</sup> | 20       |                                |
| 259  | Slabs exceeding 250mm and not exceeding 500mm thick propped up exceeding 3.5m and not exceeding 5m high                          | m <sup>2</sup> | 20       |                                |
| 260  | Cantilever slabs   | m <sup>2</sup> | 20       |                                |
| 261  | Slabs with sloping soffits   | m <sup>2</sup> | 40       |                                |
| <b>Smooth formwork to sides and soffits</b>        |  |                |          |                                |
| 262  | Beams  | m <sup>2</sup> | 20       |                                |
| 263  | Beams propped up exceeding 3,5m and not exceeding 5m high  | m <sup>2</sup> | 20       |                                |
| 264  | Beams propped up exceeding 5m and not exceeding 6.5m high  | m <sup>2</sup> | 20       |                                |
| <b>Smooth formwork to coffered slabs</b>           |  |                |          |                                |
| 265  | Soffits of coffered slabs exceeding 500mm and not exceeding 750mm thick with 150mm wide ribs at 900mm centres in both directions | m <sup>2</sup> | 20       |                                |
| 266  | Soffits of adjacent flush surfaces of coffered slabs exceeding 500mm and not exceeding 750mm thick                               | m <sup>2</sup> | 20       |                                |
| 267  | Top and tapered sides of coffer 800 x 800mm at top, 700 x 700mm at bottom and 400mm high with all corners rounded                | No             | 40       |                                |
| Carried to Collection                              |  |                |          |                                |
| Section No. 2                                      |  |                |          |                                |
| Bill No. 3   |  |                |          |                                |
| Concrete, Formwork And Reinforcement (provisional) |  |                |          |                                |
|  |  |                | <b>R</b> |                                |

|   |  | Quantity       | Rate | Maintenance Contract<br>Amount |
|---|--|----------------|------|--------------------------------|
| <b>REINFORCEMENT</b>  |  |                |      |                                |
| <b>Mild steel reinforcement to structural concrete work</b>         |  |                |      |                                |
| 268   | Bars of varying lengths and diameters                              | Kg             | 20   |                                |
| <b>High tensile steel reinforcement to structural concrete work</b> |  |                |      |                                |
| 269   | Bars of varying lengths and diameter                               | Kg             | 20   |                                |
| <b>Fabric reinforcement</b>   |  |                |      |                                |
| 270   | Type 193 fabric reinforcement in concrete surface beds, slabs, etc | m <sup>2</sup> | 20   |                                |
| 271   | Type 245 fabric reinforcement in concrete surface beds, slabs, etc | m <sup>2</sup> | 20   |                                |
| 272   | Type 395 fabric reinforcement in concrete surface beds, slabs, etc | m <sup>2</sup> | 20   |                                |
| Carried to Collection   |  |                |      | R                              |
| Section No. 2   |  |                |      |                                |
| Bill No. 3  |  |                |      |                                |
| Concrete, Formwork And Reinforcement (provisional)                  |  |                |      |                                |

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 3**  
**CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)**  
**COLLECTION**

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Section No. 2  
Bill No. 3  
Concrete, Formwork And Reinforcement (provisional)

Quantity

Rate

Amount

**SECTION NO. 2**  
**SUPERSTRUCTURE**

**BILL NO. 4**  
**MASONRY**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**SUPPLEMENTARY PREAMBLES**

**Sizes in descriptions**

Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick

**Face bricks**

Bricks shall be ordered timeously to obtain uniformity in size and colour

**Pointing**

Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.

**BRICKWORK IN FOUNDATIONS**

**Brickwork of NFX clay bricks size 228 x 114 x 73mm (14 MPa nominal compressive strength) in class II mortar**

|   |  |                |    |
|---|--|----------------|----|
| 1 | Mass brickwork                             | m <sup>3</sup> | 20 |
| 2 | Half brick walls                           | m <sup>2</sup> | 20 |
| 3 | Half brick walls circular on plan          | m <sup>2</sup> | 20 |
| 4 | Half brick walls against existing surfaces | m <sup>2</sup> | 20 |
| 5 | Half brick linings tied to concrete        | m <sup>2</sup> | 20 |
| 6 | One brick walls                            | m <sup>2</sup> | 20 |
| 7 | One brick walls circular on plan           | m <sup>2</sup> | 20 |
| 8 | One brick walls in hollow columns          | m <sup>2</sup> | 20 |
| 9 | One brick walls against existing surfaces  | m <sup>2</sup> | 20 |

Carried to Collection

R

Section No. 2

Bill No. 4

Masonry

|               |  | Quantity          | Rate | Maintenance Contract<br>Amount |
|---------------|--|-------------------|------|--------------------------------|
| 10            | One brick walls of two half brick skins with inner skin bagged and sealed  | m <sup>2</sup> 20 |      |                                |
| 11            | 270mm Hollow walls of two half brick skins   | m <sup>2</sup> 20 |      |                                |
| 12            | 270mm Hollow walls of two half brick skins, circular on plan   | m <sup>2</sup> 20 |      |                                |
| 13            | One and a half brick walls   | m <sup>2</sup> 20 |      |                                |
| 14            | 330mm Hollow walls of one half brick and one one brick skins   | m <sup>2</sup> 20 |      |                                |
| 15            | Two brick walls  | m <sup>2</sup> 20 |      |                                |
| 16            | Two brick walls circular on plan   | m <sup>2</sup> 20 |      |                                |
|               | <b>Brickwork of cement bricks size 220 x 110 x 70mm (14 MPa nominal compressive strength) in class II mortar</b> |                   |      |                                |
| 17            | Mass brickwork   | m <sup>3</sup> 20 |      |                                |
| 18            | Rectangular shaped piers   | m <sup>3</sup> 20 |      |                                |
| 19            | Half brick walls   | m <sup>2</sup> 20 |      |                                |
| 20            | Half brick walls circular on plan  | m <sup>2</sup> 20 |      |                                |
| 21            | Half brick walls against existing surfaces   | m <sup>2</sup> 20 |      |                                |
| 22            | Half brick linings tied to concrete  | m <sup>2</sup> 20 |      |                                |
| 23            | One brick walls  | m <sup>2</sup> 20 |      |                                |
| 24            | One brick walls circular on plan   | m <sup>2</sup> 20 |      |                                |
| 25            | One brick walls in hollow columns  | m <sup>2</sup> 20 |      |                                |
|               | Carried to Collection  |                   | R    |                                |
| Section No. 2 |  |                   |      |                                |
| Bill No. 4    |  |                   |      |                                |
| Masonry       |  |                   |      |                                |

|  |   | Quantity       | Rate | Amount |
|--|---|----------------|------|--------|
| 26   | One brick walls against existing surfaces                                 | m <sup>2</sup> | 20   |        |
| 27   | One brick walls of two half brick skins with inner skin bagged and sealed | m <sup>2</sup> | 20   |        |
| 28   | One and a half brick walls  | m <sup>2</sup> | 20   |        |
| <b>BRICKWORK IN SUPERSTRUCTURE</b>   |   |                |      |        |
| <b>Brickwork of NFP clay bricks size 228 x 114 x 73mm in class II mortar</b> |   |                |      |        |
| 29   | Mass brickwork  | m <sup>3</sup> | 20   |        |
| 30   | Brick-on-edge walls   | m <sup>2</sup> | 20   |        |
| 31   | Half brick walls  | m <sup>2</sup> | 20   |        |
| 32   | Half brick walls circular on plan   | m <sup>2</sup> | 20   |        |
| 33   | Half brick walls in hollow columns  | m <sup>2</sup> | 20   |        |
| 34   | Half brick walls against existing surfaces                                | m <sup>2</sup> | 20   |        |
| 35   | Half brick walls in beam filling  | m <sup>2</sup> | 20   |        |
| 36   | Half brick linings tied to concrete                                       | m <sup>2</sup> | 20   |        |
| 37   | One brick walls   | m <sup>2</sup> | 20   |        |
| 38   | One brick walls circular on plan  | m <sup>2</sup> | 20   |        |
| 39   | One brick walls in hollow columns   | m <sup>2</sup> | 20   |        |
| 40   | One brick walls of two half brick skins with inner skin bagged and sealed | m <sup>2</sup> | 20   |        |
| 41   | 270mm Hollow walls of two half brick skins, including wire wall ties      | m <sup>2</sup> | 20   |        |
| Carried to Collection  |   |                |      | R      |
| Section No. 2  |   |                |      |        |
| Bill No. 4   |   |                |      |        |
| Masonry  |   |                |      |        |

Maintenance Contract

|    |  | Quantity       | Rate | Amount |
|----|--|----------------|------|--------|
| 42 | 270mm Hollow walls of two half brick skins, including wire wall ties, circular on plan                           | m <sup>2</sup> | 20   |        |
| 43 | One and a half brick walls   | m <sup>2</sup> | 20   |        |
| 44 | One and a half brick walls circular on plan  | m <sup>2</sup> | 20   |        |
| 45 | 330mm Hollow walls of one half brick and one one brick skins   | m <sup>2</sup> | 20   |        |
| 46 | Two brick walls  | m <sup>2</sup> | 20   |        |
| 47 | Two brick walls circular on plan   | m <sup>2</sup> | 20   |        |
| 48 | Half brick kerbs 150mm high  | m              | 20   |        |
| 49 | Half brick kerbs 150mm high, circular on plan  | m              | 20   |        |
| 50 | One brick kerbs 150mm high   | m              | 20   |        |
| 51 | One brick kerbs 150mm high, circular on plan   | m              | 20   |        |
|    | <b>Brickwork of cement bricks size 220 x 110 x 70mm (14 MPa nominal compressive strength) in class II mortar</b> |                |      |        |
| 52 | Mass brickwork   | m <sup>3</sup> | 20   |        |
| 53 | 70mm Cut linings to concrete, including wire wall ties   | m <sup>2</sup> | 20   |        |
| 54 | Brick-on-edge walls  | m <sup>2</sup> | 20   |        |
| 55 | Half brick walls   | m <sup>2</sup> | 20   |        |
| 56 | Half brick walls circular on plan  | m <sup>2</sup> | 20   |        |
| 57 | Half brick walls against existing surfaces   | m <sup>2</sup> | 20   |        |
|    | Carried to Collection  |                |      |        |
|    | Section No. 2  |                |      |        |
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|    |  |                | R    |        |

|                           |   | Quantity          | Rate | Maintenance Contract Amount |
|---------------------------|---|-------------------|------|-----------------------------|
| 58                        | Half brick walls in beam filling  | m <sup>2</sup> 20 |      |                             |
| 59                        | One brick walls   | m <sup>2</sup> 20 |      |                             |
| 60                        | One brick walls circular on plan  | m <sup>2</sup> 20 |      |                             |
| 61                        | One brick walls in hollow columns   | m <sup>2</sup> 20 |      |                             |
| 62                        | One brick walls of two half brick skins with inner skin bagged and sealed       | m <sup>2</sup> 20 |      |                             |
| 63                        | One and a half brick walls  | m <sup>2</sup> 20 |      |                             |
| 64                        | 270mm Hollow walls of one half brick and one one brick skins                    | m <sup>2</sup> 20 |      |                             |
| 65                        | Half brick kerbs 150mm high   | m 20              |      |                             |
| 66                        | Half brick kerbs 150mm high, circular on plan                                   | m 20              |      |                             |
| 67                        | One brick kerbs 150mm high  | m 20              |      |                             |
| 68                        | One brick kerbs 150mm high, circular on plan                                    | m 20              |      |                             |
| <b>Brickwork Sundries</b> |   |                   |      |                             |
| 69                        | Forming toothings and bonding new brickwork to existing                         | m <sup>2</sup> 20 |      |                             |
| 70                        | Raking out joints of existing face brickwork to receive plaster finish          | m <sup>2</sup> 20 |      |                             |
| 71                        | Hacking existing face brickwork to receive plaster finish                       | m <sup>2</sup> 20 |      |                             |
| 72                        | Hacking existing face brickwork and raking out joints to receive plaster finish | m <sup>2</sup> 20 |      |                             |
| 73                        | Splayed mortar fillets one course high in 50mm cavities                         | m 20              |      |                             |
| Carried to Collection     |   |                   | R    |                             |
| Section No. 2             |   |                   |      |                             |
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Maintenance Contract

|    |  | Quantity | Rate     | Amount |
|----|--|----------|----------|--------|
| 74 | Splayed mortar fillets two courses high in 50mm cavities   | m        | 20       |        |
| 75 | Splayed mortar fillets two courses high in 110mm cavities  | m        | 20       |        |
| 76 | Closing 50mm cavities of hollow walls vertically with brickwork half brick wide  | m        | 20       |        |
| 77 | Closing 110mm cavities of hollow walls vertically with brickwork half brick wide   | m        | 20       |        |
| 78 | Closing 50mm cavities of hollow walls vertically with brickwork one brick wide   | m        | 20       |        |
| 79 | Closing 110mm cavities of hollow walls vertically with brickwork one brick wide  | m        | 20       |        |
| 80 | Closing 50mm cavities of hollow walls horizontally with one course of brickwork  | m        | 20       |        |
| 81 | Closing 110mm cavities of hollow walls horizontally with one course of brickwork   | m        | 20       |        |
| 82 | Closing 50mm cavities of hollow walls horizontally with two courses of brickwork   | m        | 20       |        |
| 83 | Closing 110mm cavities of hollow walls horizontally with two courses of brickwork  | m        | 20       |        |
| 84 | Closing 50mm cavities at raking tops of hollow walls with two courses of brickwork   | m        | 20       |        |
| 85 | Closing 110mm cavities at raking tops of hollow walls with two courses of brickwork  | m        | 20       |        |
| 86 | Extra over for rough segmental arch in half brick wall, 1.5m span and 340mm high, of one brick-on-edge header ring, including support centre | No       | 20       |        |
| 87 | Extra over for rough segmental arch in one brick wall, 1.5m span and 340mm high, of one brick-on-edge header ring, including support centre  | No       | 20       |        |
| 88 | Extra over for rough segmental arch in half brick wall, 2.5m span and 340mm high, of one brick-on-edge header ring, including support centre | No       | 20       |        |
|    | Carried to Collection  |          |          |        |
|    |  |          | <b>R</b> |        |

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|   |   | Quantity | Rate | Maintenance Contract<br>Amount |
|---|---|----------|------|--------------------------------|
| 89  | Extra over for rough segmental arch in one brick wall, 2.5m span and 340mm high, of one brick-on-edge header ring, including support centre<br>No | 20       |      |                                |
| 90  | Extra over for 1000mm diameter rough semi-circular arch in half brick wall, of one brick-on-edge header ring, including support centre<br>No      | 20       |      |                                |
| 91  | Extra over for 1000mm diameter rough semi-circular arch in one brick wall, of one brick-on-edge header ring, including support centre<br>No       | 20       |      |                                |
| 92  | Extra over for 1000mm diameter rough bullseye arch in half brick wall, of one brick-on-edge header ring, including support centre<br>No           | 20       |      |                                |
| 93  | Extra over for 1000mm diameter rough bullseye arch in one brick wall, of one brick-on-edge header ring, including support centre<br>No            | 20       |      |                                |
| <b>Turning pieces to lintels etc</b>  |   |          |      |                                |
| 94  | 110mm Wide turning pieces<br>m  | 20       |      |                                |
| 95  | 220mm Wide turning pieces<br>m  | 20       |      |                                |
| 96  | 330mm Wide turning pieces<br>m  | 20       |      |                                |
| <b>Fair face to clay brickwork of selected building bricks in horizontal stretcher bond pointed with flush horizontal and vertical joints</b>           |   |          |      |                                |
| 97  | Extra over for fair face<br>m <sup>2</sup>  | 20       |      |                                |
| 98  | Half brick walls built fair and pointed on both sides<br>m <sup>2</sup>   | 20       |      |                                |
| <b>Fair face to clay brickwork of selected building bricks in horizontal stretcher bond, pointed with recessed horizontal and flush vertical joints</b> |   |          |      |                                |
| 99  | Extra over for fair face<br>m <sup>2</sup>  | 20       |      |                                |
| 100   | Half brick walls built fair and pointed on both sides<br>m <sup>2</sup>   | 20       |      |                                |
| <b>Bagging of 1:3 cement and sand mixture</b>   |   |          |      |                                |
| 101   | On brick walls, piers, etc<br>m <sup>2</sup>  | 20       |      |                                |
| Carried to Collection   |   |          | R    |                                |
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| Masonry   |   |          |      |                                |

|   |  | Quantity | Rate     | Maintenance Contract<br>Amount |
|---|--|----------|----------|--------------------------------|
| 102   | On concrete walls, columns, etc including removing ridges , irregularities, etc<br>m <sup>2</sup>                      | 20       |          |                                |
| 103   | On concrete ceilings, beams, etc including removing ridges , irregularities, etc<br>m <sup>2</sup>                     | 20       |          |                                |
| <b>Joint forming material in movement joints</b>                                      |  |          |          |                                |
| 104   | 13mm Fibre board built in vertically between brick skins<br>m <sup>2</sup>   | 20       |          |                                |
| 105   | 13mm Bitumen impregnated fibre board built in vertically through brick walls<br>m <sup>2</sup>                         | 20       |          |                                |
| 106   | 13mm Expanded polystyrene (density 33kg per m <sup>3</sup> ) built in vertically between brick skins<br>m <sup>2</sup> | 20       |          |                                |
| <b>2,5mm Galvanised brick reinforcement</b>   |  |          |          |                                |
| 107   | 75mm Wide reinforcement built in horizontally<br>m   | 20       |          |                                |
| 108   | 150mm Wide reinforcement built in horizontally<br>m  | 20       |          |                                |
| 109   | 75mm Wide reinforcement built in horizontally, circular on plan<br>m   | 20       |          |                                |
| 110   | 150mm Wide reinforcement built in horizontally, circular on plan<br>m  | 20       |          |                                |
| <b>Prestressed fabricated concrete lintels including necessary temporary supports</b> |  |          |          |                                |
| 111   | 110 x 70mm Lintels in lengths not exceeding 3m<br>m  | 20       |          |                                |
| 112   | 110 x 70mm Lintels in lengths exceeding 3m and not exceeding 4,5m<br>m   | 20       |          |                                |
| 113   | 110 x 70mm Lintels in lengths exceeding 4,5m and not exceeding 6m<br>m   | 20       |          |                                |
| <b>Galvanised wire ties etc</b>   |  |          |          |                                |
| 114   | 4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber<br>No      | 20       |          |                                |
| 115   | 4mm Diameter roof tie 2m girth bent double, with one end cast into concrete and other end fixed to timber<br>No        | 2        |          |                                |
| Carried to Collection   |  |          | <b>R</b> |                                |
| Section No. 2   |  |          |          |                                |
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| Masonry   |  |          |          |                                |

|   |   | Quantity       | Rate | Maintenance Contract<br>Amount |
|---|---|----------------|------|--------------------------------|
| <b>Galvanised hoop iron cramps, ties, etc</b>   |   |                |      |                                |
| 116   | 4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber | No             | 20   |                                |
| 117   | 4mm Diameter roof tie 2m girth bent double, with one end cast into concrete and other end fixed to timber   | No             | 20   |                                |
| <b>Air bricks etc</b>   |   |                |      |                                |
| 118   | 229 x 76mm Clay vermin proof air brick  | No             | 20   |                                |
| 119   | 229 x 152mm Clay vermin proof air brick   | No             | 20   |                                |
| 120   | 233 x 175mm Foam plastic air vent   | No             | 20   |                                |
| 121   | 262 x 185mm Fibrous plaster air vent  | No             | 20   |                                |
| <b>FACE BRICKWORK</b>   |   |                |      |                                |
| <b>'Corobrik Firelight Satin' facing bricks pointed with flush or recessed horizontal and vertical joints</b> |   |                |      |                                |
| Extra over brickwork in NFP clay bricks   |   |                |      |                                |
| 122   | Extra over brickwork for face brickwork in stretcher bond   | m <sup>2</sup> | 20   |                                |
| 123   | Extra over brickwork for face brickwork in stretcher bond, circular on plan to exceeding 2m radius.         | m <sup>2</sup> | 20   |                                |
| 124   | Extra over brickwork for face brickwork, circular on plan to not exceeding 2m radius                        | m <sup>2</sup> | 20   |                                |
| 125   | Extra over brickwork for face brickwork in header courses   | m <sup>2</sup> | 20   |                                |
| 126   | Extra over brickwork for face brickwork in header courses, circular on plan to not exceeding 2m radius      | m <sup>2</sup> | 20   |                                |
| 127   | Extra over brickwork for face brickwork in soldier courses  | m <sup>2</sup> | 20   |                                |
| 128   | Extra over brickwork for face brickwork in soldier courses, circular on plan to exceeding 2m radius         | m <sup>2</sup> | 20   |                                |
| Carried to Collection   |   |                |      | R                              |
| Section No. 2   |   |                |      |                                |
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| Masonry   |   |                |      |                                |

|                       |   | Quantity          | Rate | Maintenance Contract<br>Amount |
|-----------------------|---|-------------------|------|--------------------------------|
| 129                   | Extra over brickwork for face brickwork in soldier courses, circular on plan to not exceeding 2m radius         | m <sup>2</sup> 20 |      |                                |
| 130                   | Extra over brickwork to piers and pilasters for face brickwork  | m <sup>2</sup> 20 |      |                                |
| 131                   | Extra over brickwork with battered/oversailing face for face brickwork (batter / projection 55mm per course)se) | m <sup>2</sup> 20 |      |                                |
| 132                   | 70mm Cut linings to concrete, including wall ties   | m <sup>2</sup> 20 |      |                                |
| 133                   | 70mm Cut linings to concrete, circular on plan to exceeding 2m radius, including wall ties                      | m <sup>2</sup> 20 |      |                                |
| 134                   | 70mm Cut linings to concrete, circular on plan to not exceeding 2m radius, including wall ties                  | m <sup>2</sup> 20 |      |                                |
| 135                   | Half brick walls pointed on both sides  | m <sup>2</sup> 20 |      |                                |
| 136                   | One brick walls in English bond pointed on both sides   | m <sup>2</sup> 20 |      |                                |
| 137                   | Extra over brickwork for brick-on-flat header course bands 3 courses high                                       | m 20              |      |                                |
| 138                   | Extra over brickwork for brick-on-edge header course bands 3 courses high                                       | m 20              |      |                                |
| 139                   | Extra over brickwork for brick-on-end soldier course bands one course high                                      | m 20              |      |                                |
| 140                   | Extra over brickwork for brick-on-edge header course lintels one course high, pointed on face and 220mm soffit  | m 20              |      |                                |
| 141                   | Extra over brickwork for brick-on-end soldier course lintels one course high, pointed on face and 110mm soffit  | m 20              |      |                                |
| 142                   | Fair raking cutting   | m 20              |      |                                |
| 143                   | Fair splay cutting  | m 20              |      |                                |
| Carried to Collection |   |                   |      | R                              |
| Section No. 2         |   |                   |      |                                |
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| Masonry               |   |                   |      |                                |

|   |  | Quantity | Rate | Maintenance Contract<br>Amount |
|---|--|----------|------|--------------------------------|
| 144   | Fair stepped cutting and fitting over treads and risers  | m        | 20   |                                |
| 145   | Fair circular cutting  | m        | 20   |                                |
| 146   | Fair cutting at squint quoins or birdsmouth angles   | m        | 20   |                                |
| 147   | Cutting toothings and bonding new face brickwork to existing                                   | m        | 20   |                                |
| 148   | Fair cutting and fitting around pipe not exceeding 100mm external diameter                     | No       | 20   |                                |
| 149   | Fair cutting and fitting around pipe exceeding 100mm and not exceeding 200mm external diameter | No       | 20   |                                |
| <b>Brick-on-edge header course copings sills, etc. pointed with flush or recessed joints on all exposed faces</b> |  |          |      |                                |
| 150   | 110mm Copings on top of half brick walls   | m        | 20   |                                |
| 151   | 220mm Copings on top of one brick walls  | m        | 20   |                                |
| 152   | 330mm Copings on top of one - and - a - half brick walls                                       | m        | 20   |                                |
| 153   | 220mm Copings on raking tops of 220mm brick walls  | m        | 20   |                                |
| 154   | 220mm Copings on tops of 220mm brick walls, circular on plan to exceeding 2m radius            | m        | 20   |                                |
| 155   | 220mm Copings to tops of 220mm brick walls, circular on plan to not exceeding 2m radius        | m        | 20   |                                |
| 156   | 140mm Wide sills set level and slightly projecting   | m        | 20   |                                |
| 157   | 140mm Wide sills set sloping and slightly projecting   | m        | 20   |                                |
| Carried to Collection   |  |          |      | R                              |
| Section No. 2   |  |          |      |                                |
| Bill No. 4  |  |          |      |                                |
| Masonry   |  |          |      |                                |

|  |  | Quantity       | Rate | Maintenance Contract<br>Amount |
|--|--|----------------|------|--------------------------------|
| <b>Fair arches, recesses, etc of face bricks, pointed with flush or recessed joints</b>  |  |                |      |                                |
| 158  | Extra over brickwork for segmental arch in half brick wall , 1000mm span and 170mm high, of one brick-on-edge header course ring, pointed on soffit and one side, including support centre | No             | 20   |                                |
| 159  | Extra over brickwork for segmental arch in one brick wall, 1000mm span and 170mm high, of one brick-on-edge header course ring, pointed on soffit and two sides, including support centre  | No             | 20   |                                |
| 160  | Extra over brickwork for 500mm diameter semi-circular arch in one brick wall, of one brick-on-edge header course ring, pointed on soffit and both sides, including support centre          | No             | 20   |                                |
| 161  | Extra over brickwork for 500mm diameter bullseye arch in one brick wall, of one brick-on-edge header course ring, pointed in opening and both sides, including support centre              | No             | 20   |                                |
| <b>BLOCKWORK IN FOUNDATIONS</b>  |  |                |      |                                |
| <b>Blockwork of 390 x 190 x 190mm cement blocks (7MPa nominal compressive strength) in class II mortar with cores filled solid with mortar</b> |  |                |      |                                |
| 162  | 90mm Walls   | m <sup>2</sup> | 20   |                                |
| 163  | 140mm Walls  | m <sup>2</sup> | 20   |                                |
| 164  | 200mm Walls  | m <sup>2</sup> | 20   |                                |
| 165  | 90mm Walls circular on plan  | m <sup>2</sup> | 20   |                                |
| 166  | 140mm Walls circular on plan   | m <sup>2</sup> | 20   |                                |
| 167  | 200mm Walls circular on plan   | m <sup>2</sup> | 20   |                                |
| 168  | 90mm Walls against waterproofing   | m <sup>2</sup> | 20   |                                |
| 169  | 140mm Walls against waterproofing  | m <sup>2</sup> | 20   |                                |
| 170  | 200mm Walls against waterproofing  | m <sup>2</sup> | 20   |                                |
| Carried to Collection  |  |                |      |                                |
| Section No. 2  |  |                |      |                                |
| Bill No. 4   |  |                |      |                                |
| Masonry  |  |                |      |                                |
|  |  |                | R    |                                |

|  |  |                | Quantity | Rate     | Maintenance Contract<br>Amount |
|--|--|----------------|----------|----------|--------------------------------|
| 171  | 90mm Linings against concrete , including wall ties          | m <sup>2</sup> | 20       |          |                                |
| 172  | 140mm Linings against concrete , including wall ties         | m <sup>2</sup> | 20       |          |                                |
| 173  | 200mm Linings against concrete , including wall ties         | m <sup>2</sup> | 20       |          |                                |
| 174  | 90mm Linings 50mm away from concrete , including wall ties   | m <sup>2</sup> | 20       |          |                                |
| 175  | 140mm Linings 50mm away from concrete , including wall ties  | m <sup>2</sup> | 20       |          |                                |
| 176  | 200mm Linings 50mm away from concrete , including wall ties  | m <sup>2</sup> | 20       |          |                                |
| 177  | 90mm Walls with blocks threaded over vertical reinforcement  | m <sup>2</sup> | 20       |          |                                |
| 178  | 140mm Walls with blocks threaded over vertical reinforcement | m <sup>2</sup> | 20       |          |                                |
| 179  | 200mm Walls with blocks threaded over vertical reinforcement | m <sup>2</sup> | 20       |          |                                |
| <b>BLOCKWORK IN SUPERSTRUCTURE</b>   |  |                |          |          |                                |
| <b>Blockwork of 390 x 190 x 190mm cement blocks (7MPa nominal compressive strength) in class II mortar</b> |  |                |          |          |                                |
| 180  | 90mm Walls   | m <sup>2</sup> | 20       |          |                                |
| 181  | 140mm Walls  | m <sup>2</sup> | 20       |          |                                |
| 182  | 200mm Walls  | m <sup>2</sup> | 20       |          |                                |
| 183  | 90mm Walls circular on plan                                  | m <sup>2</sup> | 20       |          |                                |
| 184  | 140mm Walls circular on plan                                 | m <sup>2</sup> | 20       |          |                                |
| 185  | 200mm Walls circular on plan                                 | m <sup>2</sup> | 20       |          |                                |
| 186  | 90mm Walls against waterproofing                             | m <sup>2</sup> | 2        |          |                                |
| Carried to Collection  |  |                |          | <b>R</b> |                                |
| Section No. 2  |  |                |          |          |                                |
| Bill No. 4   |  |                |          |          |                                |
| Masonry  |  |                |          |          |                                |

|                       |  |                | Quantity | Rate     | Maintenance Contract<br>Amount |
|-----------------------|--|----------------|----------|----------|--------------------------------|
| 187                   | 140mm Walls against waterproofing  | m <sup>2</sup> | 20       |          |                                |
| 188                   | 200mm Walls against waterproofing  | m <sup>2</sup> | 20       |          |                                |
| 189                   | 90mm Walls in beamfilling  | m <sup>2</sup> | 20       |          |                                |
| 190                   | 140mm Walls in beamfilling   | m <sup>2</sup> | 20       |          |                                |
| 191                   | 200mm Walls in beamfilling   | m <sup>2</sup> | 20       |          |                                |
| 192                   | 90mm Linings against concrete , including wall ties  | m <sup>2</sup> | 20       |          |                                |
| 193                   | 140mm Linings against concrete , including wall ties   | m <sup>2</sup> | 20       |          |                                |
| 194                   | 200mm Linings against concrete , including wall ties   | m <sup>2</sup> | 20       |          |                                |
| 195                   | 90mm Walls with blocks threaded over vertical<br>reinforcement   | m <sup>2</sup> | 20       |          |                                |
| 196                   | 140mm Walls with blocks threaded over vertical<br>reinforcement  | m <sup>2</sup> | 20       |          |                                |
| 197                   | 200mm Walls with blocks threaded over vertical<br>reinforcement  | m <sup>2</sup> | 20       |          |                                |
| 198                   | 90mm Lintels one course high of 390 x 90 x 190mm U-blocks filled solid with<br>20MPa/10mm concrete (reinforcement elsewhere)   | m              | 20       |          |                                |
| 199                   | 140mm Lintels one course high of 390 x 140 x 190mm U-blocks filled solid with<br>20MPa/10mm concrete (reinforcement elsewhere) | m              | 20       |          |                                |
| 200                   | 190mm Lintels one course high of 390 x 190 x 190mm U-blocks filled solid with<br>20MPa/10mm concrete (reinforcement elsewhere) | m              | 20       |          |                                |
| Carried to Collection |  |                |          |          |                                |
| Section No. 2         |  |                |          |          |                                |
| Bill No. 4            |  |                |          |          |                                |
| Masonry               |  |                |          |          |                                |
|                       |  |                |          | <b>R</b> |                                |

|     |  | Quantity       | Rate | Maintenance Contract<br>Amount |
|-----|--|----------------|------|--------------------------------|
| 201 | 200mm Copings one course high of 390 x 190 x 190mm inverted U-blocks   | m              | 20   |                                |
|     | <b>Blockwork Sundries</b>  |                |      |                                |
|     | <b>Bagging of 1:3 cement sand mixture</b>  |                |      |                                |
| 202 | On block walls, piers, etc   | m <sup>2</sup> | 20   |                                |
|     | <b>Fair face to cement blockwork of selected building blocks in horizontal stretcher bond pointed with flush horizontal and vertical joints</b>  |                |      |                                |
| 203 | Extra over fo fair face  | m <sup>2</sup> | 20   |                                |
| 204 | 90mm Walls built fair and pointed on both sides  | m <sup>2</sup> | 20   |                                |
| 205 | 190mm Walls built fair and pointed on both sides   | m <sup>2</sup> | 20   |                                |
|     | <b>FACE BLOCKWORK</b>  |                |      |                                |
|     | <b>390 x 190 x 190mm Smooth face blocks (7MPa)(Obtainable from Precast Cement Products cc . 55 Stapleton Road, Pinetown, KZN. Telephone 031 708 4365). In class II mortar, pointed with flush or recessed horizontal and vertical joints</b> |                |      |                                |
| 206 | Extra over 200mm skin of blockwork for face blockwork  | m <sup>2</sup> | 20   |                                |
| 207 | Extra over 90mm skin of blockwork for face blockwork   | m <sup>2</sup> | 20   |                                |
| 208 | 90mm Block walls pointed on both sides   | m <sup>2</sup> | 20   |                                |
| 209 | 140mm Block walls pointed on both sides  | m <sup>2</sup> | 20   |                                |
| 210 | 200mm Block walls pointed on both sides  | m <sup>2</sup> | 20   |                                |
| 211 | 90mm Block walls pointed on both sides, circular on plan to exceeding 2m radius  | m <sup>2</sup> | 20   |                                |
| 212 | 140mm Block walls pointed on both sides, circular on plan to exceeding 2m radius   | m <sup>2</sup> | 20   |                                |
| 213 | 200mm Block walls pointed on both sides, circular on plan to exceeding 2m radius   | m <sup>2</sup> | 20   |                                |
|     | Carried to Collection  |                |      | R                              |
|     | Section No. 2  |                |      |                                |
|     | Bill No. 4   |                |      |                                |
|     | Masonry  |                |      |                                |

|   |  | Quantity | Rate | Maintenance Contract<br>Amount |
|---|--|----------|------|--------------------------------|
| 214   | 90mm Block walls pointed on both sides, circular on plan to not exceeding 2m radius<br>m <sup>2</sup>  | 20       |      |                                |
| 215   | 140mm Block walls pointed on both sides, circular on plan to not exceeding 2m radius<br>m <sup>2</sup>   | 20       |      |                                |
| 216   | 200mm Block walls pointed on both sides, circular on plan to not exceeding 2m radius<br>m <sup>2</sup>   | 20       |      |                                |
| 217   | 90mm Lintels one course high of 390 x 90 x 190mm U-blocks filled solid with 20MPa/10mm concrete, pointed on soffit and both sides (reinforcement elsewhere)<br>m   | 20       |      |                                |
| 218   | 140mm Lintels one course high of 390 x 140 x 190mm U-blocks filled solid with 20MPa/10mm concrete, pointed on soffit and both sides (reinforcement elsewhere)<br>m | 20       |      |                                |
| 219   | 200mm Lintels one course high of 390 x 190 x 190mm U-blocks filled solid with 20MPa/10mm concrete, pointed on soffit and both sides (reinforcement elsewhere)<br>m | 20       |      |                                |
| 220   | 90mm Copings one course high of 390 x 90 x 190mm inverted U-blocks, pointed on top and both sides<br>m   | 20       |      |                                |
| 221   | 140mm Copings one course high of 390 x 140 x 190mm inverted U-blocks, pointed on top and both sides<br>m   | 20       |      |                                |
| 222   | 190mm Copings one course high of 390 x 190 x 190mm inverted U-blocks, pointed on top and both sides<br>m   | 20       |      |                                |
| 223   | 400 x 400mm Piers of 390 x 190 x 190mm blocks pointed all round<br>m   | 20       |      |                                |
| <b>FIBRE-CEMENT WINDOW SILLS</b>  |  |          |      |                                |
| <b>Natural grey or slate grey sills in single lengths bedded in class II mortar including metal fixing lugs etc</b> |  |          |      |                                |
| 224   | 12 x 150mm Wide sills set flat and slightly projecting<br>m  | 20       |      |                                |
| 225   | 12 x 150mm Wide sills set sloping and slightly projecting<br>m   | 20       |      |                                |
| <b>BRICKWORK</b>  |  |          |      |                                |
| Carried to Collection   |  |          |      | R                              |
| Section No. 2   |  |          |      |                                |
| Bill No. 4  |  |          |      |                                |
| Masonry   |  |          |      |                                |

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 4**  
**MASONRY**  
**COLLECTION**

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Bill No. 4  
Masonry

Quantity

Rate

Amount

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 5**  
**WATERPROOFING**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**WATERPROOFING**

**Waterproofing**

Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs

**DAMPPROOFING OF WALLS AND FLOORS**

**One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)**

1 In walls, under sills, etc.

m<sup>2</sup>

20

**One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape**

2 Under surface beds

m<sup>2</sup>

20

3 Vertically between walls

m<sup>2</sup>

20

**One layer 375 micron orange polyethylene waterproof sheeting (SANS 952-1985 type A) sealed at laps with PVC self-adhesive tape**

4 Under surface beds

m<sup>2</sup>

20

5 Vertically between walls

m<sup>2</sup>

20

**One layer 500 micron orange polyethylene waterproof sheeting (SANS 952-1985 type A) sealed at laps with PVC self-adhesive tape**

6 Under surface beds

m<sup>2</sup>

20

7 Vertically between walls

m<sup>2</sup>

20

**Two coats bitumen emulsion waterproof coating**

8 On concrete floors

m<sup>2</sup>

20

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Bill No. 5

Waterproofing

|   |   |                | Quantity | Rate     | Amount |
|---|---|----------------|----------|----------|--------|
| 9   | On concrete walls and columns in foundations                | m <sup>2</sup> | 20       |          |        |
| 10  | On concrete walls, columns and beams                        | m <sup>2</sup> | 20       |          |        |
| 11  | On fair faced brick walls                                   | m <sup>2</sup> | 20       |          |        |
| 12  | On bagged brick walls                                       | m <sup>2</sup> | 20       |          |        |
| <b>Primer and two coats heavy duty bitumen emulsion waterproof coating</b>  |   |                |          |          |        |
| 13  | On concrete floors  | m <sup>2</sup> | 20       |          |        |
| 14  | On concrete walls and columns in foundations                | m <sup>2</sup> | 20       |          |        |
| 15  | On concrete walls, columns and beams                        | m <sup>2</sup> | 20       |          |        |
| 16  | On fair faced brick walls                                   | m <sup>2</sup> | 20       |          |        |
| 17  | On bagged brick walls                                       | m <sup>2</sup> | 20       |          |        |
| <b>WATERPROOFING TO ROOFS ETC</b>   |   |                |          |          |        |
| <b>One layer 4mm special polyester fully bonded waterproof membrane comprising a matrix modified with polypropylene dual reinforced with non-woven polyester cloth and glass fibre tissue, laid with 75mm side and 100mm end laps</b> |   |                |          |          |        |
| 18  | On floors   | m <sup>2</sup> | 20       |          |        |
| 19  | On balcony floors   | m <sup>2</sup> | 20       |          |        |
| 20  | On shower floors  | m <sup>2</sup> | 20       |          |        |
| 21  | On flat roofs   | m <sup>2</sup> | 20       |          |        |
| 22  | On sloping roofs with slopes not exceeding 25 degrees pitch | m <sup>2</sup> | 20       |          |        |
| 23  | On sloping roofs with slopes exceeding 25 degrees pitch     | m <sup>2</sup> | 20       |          |        |
|   |   |                |          |          |        |
| Carried to Collection   |   |                |          |          |        |
|   |   |                |          | <b>R</b> |        |
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Section No. 2

Bill No. 5

Waterproofing

Maintenance Contract

Quantity

Rate

Amount

|    |  |                |    |
|----|--|----------------|----|
| 24 | On walls   | m <sup>2</sup> | 20 |
| 25 | On turn-ups and turn-downs exceeding 300mm girth   | m <sup>2</sup> | 20 |
| 26 | On tops and sides of inverted beams  | m <sup>2</sup> | 20 |
| 27 | On bottoms and sides of floor ducts, channels, etc   | m <sup>2</sup> | 20 |
| 28 | On bottoms and sides of box gutters  | m <sup>2</sup> | 20 |
| 29 | On bottoms and sides of plant boxes  | m <sup>2</sup> | 20 |
| 30 | On internal surfaces of 500 x 500 x 300mm deep sump, catchpit, etc   | No             | 20 |
| 31 | On internal surfaces of 800 x 800 x 800mm deep sump, catchpit, etc   | No             | 20 |
| 32 | Sealing edges to brickwork or concrete   | m              | 20 |
| 33 | Sealing edges to brickwork or concrete including trowelled mastic bead   | m              | 20 |
| 34 | Additional membrane 250mm girth at internal and external angles  | m              | 20 |
| 35 | Additional membrane 250mm girth at internal and external angles, circular on plan including forming darts as necessary             | m              | 20 |
| 36 | Bandage cover flashing strips 250mm girth at turn-ups, including sealing top edge with mastic in and including groove in brickwork | m              | 20 |
| 37 | Dressing and sealing into not exceeding 100mm internal diameter outlet , including additional membrane                             | No             | 20 |
| 38 | Dressing and sealing into exceeding 100mm and not exceeding 200mm internal diameter outlet , including additional membrane         | No             | 20 |
| 39 | Dressing and sealing around pipe not exceeding 100mm internal diameter , including additional membrane, gussets, collars, etc      | No             | 20 |

Carried to Collection

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Section No. 2

Bill No. 5

Waterproofing

Maintenance Contract

|    |  | Quantity | Rate | Maintenance Contract Amount |
|----|--|----------|------|-----------------------------|
| 40 | Dressing and sealing around pipe exceeding 100mm and not exceeding 200mm internal diameter , including additional membrane, gussets, collars, etc<br>No  | 20       |      |                             |
|    | <b>Prime with one coat bitumen primer and one layer 4mm fully bonded waterproof membrane comprising two bitumen layers reinforced with woven spunbonded polyester fabric and coated with polyethelene film for heat bonding, laid with 100mm side and 150mm end laps</b> |          |      |                             |
| 41 | On floors<br>m <sup>2</sup>  | 20       |      |                             |
| 42 | On balcony floors<br>m <sup>2</sup>  | 20       |      |                             |
| 43 | On shower floors<br>m <sup>2</sup>   | 20       |      |                             |
| 44 | On flat roofs<br>m <sup>2</sup>  | 20       |      |                             |
| 45 | On sloping roofs not exceeding 25 degrees pitch<br>m <sup>2</sup>  | 20       |      |                             |
| 46 | On sloping roofs exceeding 25 degrees pitch<br>m <sup>2</sup>  | 20       |      |                             |
| 47 | On walls<br>m <sup>2</sup>   | 20       |      |                             |
| 48 | On turn-ups and turn-downs exceeding 300mm girth<br>m <sup>2</sup>   | 20       |      |                             |
| 49 | On tops and sides of inverted beams<br>m <sup>2</sup>  | 20       |      |                             |
| 50 | On bottoms and sides of floor ducts, channels, etc<br>m <sup>2</sup>   | 20       |      |                             |
| 51 | On bottoms and sides of box gutters<br>m <sup>2</sup>  | 20       |      |                             |
| 52 | On bottoms and sides of plant boxes<br>m <sup>2</sup>  | 20       |      |                             |
| 53 | On internal surfaces of 500 x 500 x 500mm deep sump, catchpit, etc<br>No   | 20       |      |                             |
| 54 | On internal surfaces of 800 x 800 x 800mm deep sump, catchpit, etc<br>No   | 20       |      |                             |
|    | Carried to Collection  |          |      |                             |
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|    | Waterproofing  |          |      |                             |
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Quantity

Rate

Amount

|   |   |                |    |
|---|---|----------------|----|
| 55  | Sealing edges to brickwork or concrete  | m              | 20 |
| 56  | Sealing edges to brickwork or concrete including trowelled mastic bead  | m              | 20 |
| 57  | Additional membrane 250mm girth at internal and external angles   | m              | 20 |
| 58  | Additional membrane 250mm girth at internal and external angles, circular on plan including forming darts as necessary                            | m              | 20 |
| 59  | Bandage cover flashing strips 250mm girth at turn-ups, including sealing top edge with mastic in and including groove in brickwork                | m              | 20 |
| 60  | Dressing and sealing into 250mm internal diameter outlet , including additional membrane  | No             | 20 |
| 61  | Dressing and sealing around pipe not exceeding 100mm internal diameter , including additional membrane, gussets, collars, etc                     | No             | 20 |
| 62  | Dressing and sealing around pipe exceeding 100mm and not exceeding 200mm internal diameter , including additional membrane, gussets, collars, etc | No             | 20 |
| <p><b>Cementitious waterproofing system (suitable for tiling) comprising primer coat plasticised modified acrylic (PMA) (consisting of 5l PMA, 5 litres water and 16,5kg cement (32,5N), one layer pre-cut polypropylene fabric fully saturated in PMA slurry and two full coats PMA slurry</b></p> |   |                |    |
| 63  | On floors   | m <sup>2</sup> | 20 |
| 64  | On balcony floors   | m <sup>2</sup> | 20 |
| 65  | On shower floors  | m <sup>2</sup> | 20 |
| 66  | On flat roofs   | m <sup>2</sup> | 20 |
| 67  | On sloping roofs with 30 degree pitch   | m <sup>2</sup> | 20 |
| 68  | On walls  | m <sup>2</sup> | 20 |

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Bill No. 5

Waterproofing

Maintenance Contract

|                       |  | Quantity       | Rate | Amount   |
|-----------------------|--|----------------|------|----------|
| 69                    | On turn-ups and turn-downs exceeding 300mm girth   | m <sup>2</sup> | 20   |          |
| 70                    | On tops and sides of inverted beams  | m <sup>2</sup> | 20   |          |
| 71                    | On bottoms and sides of floor ducts, channels, etc   | m <sup>2</sup> | 20   |          |
| 72                    | On bottoms and sides of box gutters  | m <sup>2</sup> | 20   |          |
| 73                    | On bottoms and sides of plant boxes  | m <sup>2</sup> | 20   |          |
| 74                    | On internal surfaces of 500 x 500 x 500mm deep sump, catchpit, etc   | No             | 20   |          |
| 75                    | On internal surfaces of 800 x 800 x 800mm deep sump, catchpit, etc   | No             | 20   |          |
| 76                    | Sealing edges to brickwork or concrete   | m              | 20   |          |
| 77                    | Sealing edges to brickwork or concrete including trowelled mastic bead   | m              | 20   |          |
| 78                    | Additional membrane 250mm girth at internal and external angles  | m              | 20   |          |
| 79                    | Additional membrane 250mm girth at internal and external angles, circular on plan including forming darts as necessary             | m              | 20   |          |
| 80                    | Bandage cover flashing strips 250mm girth at turn-ups, including sealing top edge with mastic in and including groove in brickwork | m              | 20   |          |
| 81                    | Dressing and sealing into 100mm internal diameter outlet , including additional membrane   | No             | 20   |          |
| 82                    | Dressing and sealing into exceeding 100mm and not exceeding 200mm internal diameter outlet , including additional membrane         | No             | 20   |          |
| 83                    | Dressing and sealing around pipe not exceeding 100mm internal diameter , including additional membrane, gussets, collars, etc      | No             | 20   |          |
| Carried to Collection |  |                |      |          |
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| Waterproofing         |  |                |      |          |

|               |   | Quantity       | Rate | Amount |
|---------------|---|----------------|------|--------|
| 84            | Dressing and sealing around pipe exceeding 100mm and not exceeding 200mm internal diameter , including additional membrane, gussets, collars, etc   | No             | 20   |        |
|               | <b>Cementitious waterproofing system (suitable for tiling) comprising patching defects with polymer modified flexible (PMF) waterproofing slurry and three full coats PMF waterproofing slurry applied with a brush to a final dry film thickness of 2 to 3mm</b> |                |      |        |
| 85            | On floors   | m <sup>2</sup> | 20   |        |
| 86            | On balcony floors   | m <sup>2</sup> | 20   |        |
| 87            | On shower floors  | m <sup>2</sup> | 20   |        |
| 88            | On flat roofs   | m <sup>2</sup> | 20   |        |
| 89            | On sloping roofs exceeding 25 degrees pitch   | m <sup>2</sup> | 20   |        |
| 90            | On walls  | m <sup>2</sup> | 20   |        |
| 91            | On turn-ups and turn-downs exceeding 300mm girth  | m <sup>2</sup> | 20   |        |
| 92            | On tops and sides of inverted beams   | m <sup>2</sup> | 20   |        |
| 93            | On bottoms and sides of floor ducts, channels, etc  | m <sup>2</sup> | 20   |        |
| 94            | On bottoms and sides of box gutters   | m <sup>2</sup> | 20   |        |
| 95            | On bottoms and sides of plant boxes   | m <sup>2</sup> | 20   |        |
| 96            | On internal surfaces of 500 x 500 x 500mm deep sump, catchpit, etc  | No             | 20   |        |
| 97            | On internal surfaces of 800 x 800 x 800mm deep sump, catchpit, etc  | No             | 20   |        |
| 98            | Sealing edges to brickwork or concrete  | m              | 20   |        |
|               | Carried to Collection   |                |      | R      |
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| Waterproofing |   |                |      |        |

|  |   | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---|----------|------|--------------------------------|
| 99   | Sealing edges to brickwork or concrete including trowelled mastic bead<br>m   | 20       |      |                                |
| 100  | Additional membrane 250mm girth at internal and external angles<br>m  | 20       |      |                                |
| 101  | Additional membrane 250mm girth at internal and external angles, circular on plan including forming darts as necessary<br>m                             | 20       |      |                                |
| 102  | Bandage cover flashing strips 250mm girth at turn-ups, including sealing top edge with mastic in and including groove in brickwork<br>m                 | 20       |      |                                |
| 103  | Dressing and sealing into not exceeding 100mm internal diameter outlet, including additional membrane<br>No   | 20       |      |                                |
| 104  | Dressing and sealing into exceeding 100mm and not exceeding 200mm internal diameter outlet, including additional membrane<br>No                         | 20       |      |                                |
| 105  | Dressing and sealing around pipe not exceeding 100mm internal diameter , including additional membrane, gussets, collars, etc<br>No                     | 20       |      |                                |
| 106  | Dressing and sealing around pipe exceeding 100mm and not exceeding 200mm internal diameter , including additional membrane, gussets, collars, etc<br>No | 20       |      |                                |
| <b>Clean crushed stone dressing free of pyrite or other contaminants, of 20 - 25mm stone evenly spread with larger stones around outlets</b> |   |          |      |                                |
| 107  | 50mm Thick on waterproofing to flat roofs<br>m <sup>2</sup>   | 20       |      |                                |
| <b>Clean river stone pebble dressing of 20 - 30mm pebbles evenly spread with larger stones around outlets</b>                                |   |          |      |                                |
| 108  | 50mm Thick on waterproofing to flat roofs<br>m <sup>2</sup>   | 20       |      |                                |
| <b>Two coats bituminous aluminium paint</b>  |   |          |      |                                |
| 109  | On waterproofing to roofs<br>m <sup>2</sup>   | 20       |      |                                |
| 110  | On waterproofing to box gutters<br>m <sup>2</sup>   | 20       |      |                                |
| <b>WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC</b>   |   |          |      |                                |
| <b>Bitumen impregnated foam plastic joint sealing strips</b>   |   |          |      |                                |
| 111  | 10 x 10mm In joints between frames and walls<br>m   | 20       |      |                                |
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| Waterproofing  |   |          |      |                                |

|     |  | Quantity | Rate | Maintenance Contract<br>Amount |
|-----|--|----------|------|--------------------------------|
| 112 | 10 x 100mm In expansion joints   | m        | 20   |                                |
|     | <b>Approved type two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</b> |          |      |                                |
| 113 | 3 x 20mm In saw cut joints in floors   | m        | 20   |                                |
| 114 | 6 x 40mm In saw cut joints in floors   | m        | 20   |                                |
| 115 | 10 x 10mm In expansion joints in tiled floors etc  | m        | 20   |                                |
| 116 | 10 x 10mm In expansion joints in tiled walls etc   | m        | 20   |                                |
| 117 | 12 x 100mm In expansion joints in floors including raking out expansion joint filler as necessary                  | m        | 20   |                                |
| 118 | 12 x 150mm In expansion joints in floors including raking out expansion joint filler as necessary                  | m        | 20   |                                |
| 119 | 12 x 200mm In expansion joints in floors including raking out expansion joint filler as necessary                  | m        | 20   |                                |
| 120 | 12 x 100mm In expansion joints in walls etc including raking out expansion joint filler as necessary               | m        | 20   |                                |
| 121 | 12 x 100mm In expansion joints in soffits including raking out expansion joint filler as necessary                 | m        | 20   |                                |
|     | Carried to Collection  |          |      | R                              |
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|     | Waterproofing  |          |      |                                |

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**SECTION NO. 2**  
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Waterproofing

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**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 6**  
**ROOF COVERINGS**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**SLATES**

**400 x 400mm Slates laid in double thickness with a head lap of 75mm and nailed along centre with galvanised copper clout nails to and including 38 x 38mm sawn softwood battens at 360mm centres**

|    |   |                |    |  |
|----|---|----------------|----|--|
| 1  | Roof covering with pitches not exceeding 25 degrees   | m <sup>2</sup> | 40 |  |
| 2  | Roof covering with pitches not exceeding 25 degrees, circular across the fall to not exceeding 2m radius                                    | m <sup>2</sup> | 40 |  |
| 3  | Roof covering with pitches not exceeding 25 degrees circular along the fall to exceeding 2m radius  | m <sup>2</sup> | 40 |  |
| 4  | Roof covering with pitch exceeding 25 degrees and not exceeding 45 degrees  | m <sup>2</sup> | 40 |  |
| 5  | Side cladding to gables etc   | m <sup>2</sup> | 40 |  |
| 6  | Side cladding to gables etc circular on plan to not exceeding 2m radius   | m <sup>2</sup> | 40 |  |
| 7  | Side cladding to gables etc circular on plan to exceeding 2m radius   | m <sup>2</sup> | 40 |  |
| 8  | Roof covering and side cladding to dormers, turrets, etc  | m <sup>2</sup> | 40 |  |
| 9  | Circular cutting  | m              | 40 |  |
| 10 | Extra on roof covering for double course at eaves including fixing clips and 38 x 50mm sawn softwood tilting fillet                         | m              | 40 |  |
| 11 | Close cut and mitred ridge including soakers of bituminous roofing felt in accordance with SANS 92 Type 60 and necessary additional battens | m              | 40 |  |

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Section No. 2  
Bill No. 6  
Roof Coverings

|  |   | Quantity       | Rate | Amount |
|--|---|----------------|------|--------|
| 12   | Close cut and mitred hip including soakers of bituminous roofing felt in accordance with SANS 92 Type 60 and necessary additional battens   | m              | 40   |        |
| 13   | Close cut and mitred valley including soakers of bituminous roofing felt in accordance with SANS 92 Type 60 and necessary additional battens  | m              | 40   |        |
| 14   | Close cut and mitred vertical angle including soakers of bituminous roofing felt in accordance with SANS 92 Type 60 and necessary additional battens  | m              | 40   |        |
| <b>ROOF TILES</b>  |   |                |      |        |
| <b>420 x 332mm Concrete 'Double Roman' pattern tiles of standard colours nailed with non-corrosive nails and/or fixed with suitable non-corrosive clips as required to and including 38 x 38mm sawn softwood battens at 320mm centres over and including an underlay of multi-layered reinforced aluminium foil faced one side sheeting in accordance with SANS 1381-4 with a mass of not less than 218g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3 fixed under battens with minimum laps of 150mm</b> |   |                |      |        |
| 15   | Roof covering with pitches not exceeding 25 degrees   | m <sup>2</sup> | 40   |        |
| 16   | Roof covering with pitch exceeding 25 and not exceeding 45 degrees  | m <sup>2</sup> | 40   |        |
| 17   | Side cladding to gables etc   | m <sup>2</sup> | 40   |        |
| 18   | Roof covering and side cladding to dormers, turrets, etc  | m <sup>2</sup> | 40   |        |
| 19   | Circular cutting  | m              | 40   |        |
| 20   | Open valleys including raking cutting on both sides and necessary additional battens (valley gutters elsewhere)   | m              | 40   |        |
| 21   | Close cut and fitted valleys including raking cutting on both sides and necessary additional battens (valley gutters elsewhere)   | m              | 40   |        |
| 22   | Extra on roof covering for 38 x 50mm sawn softwood tilting fillets  | m              | 40   |        |
| 23   | Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 7mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay and necessary additional battens | m              | 40   |        |
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| Roof Coverings   |   |                |      |        |

|   |  | Quantity       | Rate | Amount |
|---|--|----------------|------|--------|
| 24  | Hips of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 320mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay, raking cutting to tiles on both sides and necessary additional battens | m              | 40   |        |
| 25  | Verges of capping tiles to match roofing tiles, fixed with non-corrosive fixing accessories  | m              | 40   |        |
| 26  | Extra over for purpose made tile to end of ridge   | No             | 40   |        |
| 27  | Extra over for purpose made tile at intersection between ridge and two hips  | No             | 40   |        |
| <p><b>420 x 332mm Concrete 'Renown' pattern tiles of standard colours nailed with non-corrosive nails and/or fixed with suitable non-corrosive clips as required to and including 38 x 38mm sawn softwood battens at 320mm centres over and including an underlay of multi-layered reinforced aluminium foil faced one side sheeting in accordance with SANS 1381-4 with a mass of not less than 218g/m<sup>2</sup> and a Class I fire rating in accordance with SANS 0177-3 fixed under battens with minimum laps of 150mm</b></p> |  |                |      |        |
| 28  | Roof covering with pitches not exceeding 25 degrees  | m <sup>2</sup> | 40   |        |
| 29  | Roof covering with pitch exceeding 25 and not exceeding 45 degrees   | m <sup>2</sup> | 40   |        |
| 30  | Side cladding to gables etc  | m <sup>2</sup> | 40   |        |
| 31  | Roof covering and side cladding to dormers, turrets, etc   | m <sup>2</sup> | 40   |        |
| 32  | Circular cutting   | m              | 40   |        |
| 33  | Open valleys including raking cutting on both sides and necessary additional battens (valley gutters elsewhere)  | m              | 40   |        |
| 34  | Close cut and fitted valleys including raking cutting on both sides and necessary additional battens (valley gutters elsewhere)  | m              | 40   |        |
| 35  | Extra on roof covering for 38 x 50mm sawn softwood tilting fillets   | m              | 40   |        |
| Carried to Collection   |  |                |      |        |
| Section No. 2   |  |                |      |        |
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| Roof Coverings  |  |                |      |        |

R

|   |  | Quantity       | Rate | Amount |
|---|--|----------------|------|--------|
| 36  | Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 75mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay and necessary additional battens                                       | m              | 40   |        |
| 37  | Hips of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 320mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay, raking cutting to tiles on both sides and necessary additional battens | m              | 40   |        |
| 38  | Verges of capping tiles to match roofing tiles, fixed with non-corrosive fixing accessories  | m              | 40   |        |
| 39  | Extra over for purpose made tile to end of ridge   | No             | 40   |        |
| 40  | Extra over for purpose made tile at intersection between ridge and two hips  | No             | 40   |        |
| <b>PROFILED FIBRE-CEMENT SHEETING AND ACCESSORIES</b>                       |  |                |      |        |
| <b>'Big-Six' sheeting and accessories, fixed to timber purlins or rails</b> |  |                |      |        |
| 41  | Roof covering with pitches not exceeding 25 degrees  | m <sup>2</sup> | 40   |        |
| 42  | Side cladding  | m <sup>2</sup> | 40   |        |
| 43  | Circular cutting   | m              | 40   |        |
| 44  | Extra over roof covering or side cladding for semi-opaque 30% light transmission translucent polycarbonate sheet panels  | m <sup>2</sup> | 40   |        |
| 45  | Side apron flashings   | m              | 40   |        |
| 46  | End apron flashings  | m              | 40   |        |
| 47  | Plain fixed angle ridge or hip cappings  | m              | 40   |        |
| 48  | Plain adjustable ridge or hip cappings   | m              | 40   |        |
| 49  | Close fitting adjustable ridge cappings  | m              | 40   |        |
| Carried to Collection   |  |                |      | R      |
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| Roof Coverings  |  |                |      |        |

Maintenance Contract

|   |   |                | Quantity | Rate | Maintenance Contract Amount |
|---|---|----------------|----------|------|-----------------------------|
| 50  | Hip end cap   | No             | 40       |      |                             |
| 51  | Ridge end cap   | No             | 40       |      |                             |
| 52  | Junction piece at intersection of ridge with two hip cappings   | No             | 40       |      |                             |
| <b>'Canadian Pattern' sheeting and accessories, fixed to steel purlins or rails</b> |   |                |          |      |                             |
| 53  | Roof covering with pitches not exceeding 25 degrees   | m <sup>2</sup> | 40       |      |                             |
| 54  | Side cladding   | m <sup>2</sup> | 40       |      |                             |
| 55  | Circular cutting  | m              | 40       |      |                             |
| 56  | Extra over roof covering or side cladding for semi-opaque 30% light transmission translucent polycarbonate sheet panels | m <sup>2</sup> | 40       |      |                             |
| 57  | Side apron flashings  | m              | 40       |      |                             |
| 58  | End apron flashings   | m              | 40       |      |                             |
| 59  | Plain fixed angle ridge or hip cappings   | m              | 40       |      |                             |
| 60  | Plain adjustable ridge or hip cappings  | m              | 40       |      |                             |
| 61  | Close fitting adjustable ridge cappings   | m              | 40       |      |                             |
| 62  | Hip end cap   | No             | 40       |      |                             |
| 63  | Ridge end cap   | No             | 40       |      |                             |
| 64  | Junction piece at intersection of ridge with two hip cappings   | No             | 40       |      |                             |
| Carried to Collection   |   |                |          |      | <b>R</b>                    |
| Section No. 2   |   |                |          |      |                             |
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| Roof Coverings  |   |                |          |      |                             |

Quantity

Rate

Amount

**PROFILED METAL SHEETING AND ACCESSORIES**

**0,5mm Z275 spelter galvanised corrugated steel sheets with finish of approved standard colour on one side and standard grey backing finish on reverse side, fixed to timber or steel purlins or rails**

|   |  |                |    |  |  |
|---|--|----------------|----|--|--|
| 65  | Roof covering with pitches not exceeding 25 degrees                                | m <sup>2</sup> | 40 |  |  |
| 66  | Roof covering with a 30 degree pitch   | m <sup>2</sup> | 40 |  |  |
| 67  | Side cladding  | m <sup>2</sup> | 40 |  |  |
| 68  | Soffit cladding  | m <sup>2</sup> | 40 |  |  |
| 69  | Roof covering and side cladding to dormers, turrets, etc                           | m <sup>2</sup> | 40 |  |  |
| 70  | Circular cutting   | m              | 40 |  |  |
| 71  | Extra over roof covering for bullnose to 300mm radius, at eaves ends               | m              | 40 |  |  |
| 72  | Extra over roof covering for 20 degree curved turn-up to 200mm radius, at top ends | m              | 40 |  |  |
| <b>0,8mm Z275 spelter galvanised steel sheet accessories to preceding roof covering and side cladding</b> |  |                |    |  |  |
| 73  | Ridge cappings 460mm girth   | m              | 40 |  |  |
| 74  | Hip cappings 460mm girth   | m              | 40 |  |  |
| 75  | Valley gutters 525mm girth   | m              | 40 |  |  |
| 76  | Internal corner trims 350mm girth  | m              | 40 |  |  |
| 77  | External corner trims 300mm girth  | m              | 40 |  |  |
| 78  | Cover flashings 350mm girth  | m              | 40 |  |  |

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Section No. 2  
 Bill No. 6  
 Roof Coverings

|    |  | Quantity | Rate | Maintenance Contract Amount |
|----|--|----------|------|-----------------------------|
| 79 | Side wall flashings 300mm girth<br><br>m   | 40       |      |                             |
|    | <b>0,6mm Z275 spelter galvanised troughed steel sheets in single lengths not exceeding 13m with finish of approved standard colour on one side and standard grey backing finish on reverse side, fixed to timber or steel purlins or rails</b> |          |      |                             |
| 80 | Roof covering with pitches not exceeding 25 degrees<br><br>m <sup>2</sup>  | 40       |      |                             |
| 81 | Roof covering with pitches not exceeding 25 degrees and with side laps seam stitched<br><br>m <sup>2</sup>   | 40       |      |                             |
| 82 | Roof covering with pitches not exceeding 25 degrees with side laps sealed with 6 x 20mm closed cell bitumen impregnated polyurethane foam strips and seam stitched<br><br>m <sup>2</sup>   | 40       |      |                             |
| 83 | Side cladding<br><br>m <sup>2</sup>  | 40       |      |                             |
| 84 | Side cladding circular on plan to not exceeding 5m radius<br><br>m <sup>2</sup>  | 40       |      |                             |
| 85 | Soffit cladding<br><br>m <sup>2</sup>  | 40       |      |                             |
| 86 | Roof covering and side cladding to dormers, turrets, etc<br><br>m <sup>2</sup>   | 40       |      |                             |
| 87 | Circular cutting<br><br>m  | 40       |      |                             |
| 88 | Extra over roof covering side cladding or soffit cladding for 2mm semi-opaque translucent polycarbonate sheet panels<br><br>m <sup>2</sup>   | 40       |      |                             |
|    | <b>Troughed profile semi-opaque translucent polycarbonate sheeting with 300mm side laps and 150mm end laps, fixed to timber or steel purlins or rails</b>  |          |      |                             |
| 89 | Roof covering with pitches not exceeding 25 degrees<br><br>m <sup>2</sup>  | 40       |      |                             |
| 90 | Roof covering with exceeding 25 degree pitch<br><br>m <sup>2</sup>   | 40       |      |                             |
| 91 | Roof covering with pitches not exceeding 25 degrees with side laps sealed with 6 x 20mm closed cell bitumen impregnated polyurethane foam strips and seam stitched<br><br>m <sup>2</sup>   | 40       |      |                             |
|    | Carried to Collection  |          | R    |                             |
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|    | Roof Coverings   |          |      |                             |

|  |   | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---|----------|------|--------------------------------|
| 92   | Side cladding<br>m <sup>2</sup>   | 40       |      |                                |
| 93   | Circular cutting<br>m   | 40       |      |                                |
| <b>ROOF VENTILATORS</b>  |   |          |      |                                |
| <b>Manufactured by Robertsons</b>  |   |          |      |                                |
| 94   | Galvanised sheet steel multi-purpose ventilator 1,83m long fixed through<br>troughed roof sheeting to steel purlins including flashings, closers, sealing<br>strips, etc<br>No  | 40       |      |                                |
| <b>ROOF AND WALL INSULATION</b>  |   |          |      |                                |
| <b>Multi-layered reinforced double-sided aluminium foil sheeting in<br/>accordance with SANS 1381-4 with a mass of not less than 293g/m<sup>2</sup> and a<br/>Class I fire rating in accordance with SANS 0177-3</b> |   |          |      |                                |
| 95   | Insulation sheeting fixed to underside of rafters at not exceeding 850mm<br>centres with 150mm stapled laps including galvanised or PVC coated steel<br>straining wires at not exceeding 400mm centres and double-sided tape at<br>edges where required<br>m <sup>2</sup>   | 40       |      |                                |
| 96   | Insulation sheeting laid taut over purlins at not exceeding 800mm centres and<br>fixed concurrent with roof covering with minimum 150mm stapled laps including<br>galvanised or PVC coated steel straining wires at not exceeding 400mm<br>centres and double-sided tape at edges where required<br>m <sup>2</sup>  | 40       |      |                                |
| <b>Polyethelene bubblefold aluminium foil faced one side sheeting</b>  |   |          |      |                                |
| 97   | Insulation sheeting fixed to underside of rafters at not exceeding 800mm<br>centres with 150mm stapled laps including galvanised or PVC coated steel<br>straining wires at not exceeding 400mm centres and double-sided tape at<br>edges where required<br>m <sup>2</sup>   | 40       |      |                                |
| 98   | Insulation sheeting laid taut over purlins at not exceeding 750mm centres and<br>fixed concurrent with roof covering with minimum 150mm stapled laps including<br>galvanised or PVC coated steel straining wires at not exceeding 400mm<br>centres and double-sided tape at edges where required<br>m <sup>2</sup>  | 40       |      |                                |
| <b>50mm Thick aluminium foil faced fibreglass blanket</b>  |   |          |      |                                |
| 99   | Insulation blanket laid taut over purlins at not exceeding 750mm centres and<br>fixed concurrent with roof covering with stapled longitudinal flap joints, including<br>fixing at top and bottom edges to purlins with and including hoop iron straps<br>m <sup>2</sup>   | 40       |      |                                |
| 100  | Insulation blanket laid taut over purlins at not exceeding 750mm centres and<br>fixed concurrent with roof covering with stapled longitudinal flap joints, including<br>galvanised or PVC coated steel straining wires at not exceeding 300mm<br>centres and fixing at top and bottom edges to purlins with and including hoop<br>iron straps<br>m <sup>2</sup> | 40       |      |                                |
| Carried to Collection  |   |          | R    |                                |
| Section No. 2  |   |          |      |                                |
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| Roof Coverings   |   |          |      |                                |

|  |   | Quantity       | Rate | Maintenance Contract<br>Amount |
|--|---|----------------|------|--------------------------------|
| <b>Aluminium foil faced polyisocyanurate foam core rigid board with clear lacquer finish on one side</b> |   |                |      |                                |
| 101  | Insulation boarding in 450mm widths with longitudinal flap joints, laid over purlins at not exceeding 750mm centres and fixed concurrent with roof covering, including holes through boards etc                           | m <sup>2</sup> | 40   |                                |
| 102  | Insulation boarding in 450mm widths with H-section aluminium bearers at longitudinal joints, laid over purlins at not exceeding 750mm centres and fixed concurrent with roof covering, including holes through boards etc | m <sup>2</sup> | 40   |                                |
| <b>SHEET METAL FLASHINGS, LININGS, COPINGS, ETC</b>  |   |                |      |                                |
| <b>0,6mm Galvanised sheet steel with 150mm laps</b>  |   |                |      |                                |
| 103  | Flashings   | m <sup>2</sup> | 40   |                                |
| 104  | Stepped cover flashings   | m <sup>2</sup> | 40   |                                |
| 105  | Stepped cover flashings to roof pitches exceeding 25 degrees  | m <sup>2</sup> | 40   |                                |
| 106  | Soakers   | m <sup>2</sup> | 40   |                                |
| 107  | Linings to valleys with riveted and sealed joints   | m <sup>2</sup> | 40   |                                |
| 108  | Linings to box gutters with riveted and sealed joints   | m <sup>2</sup> | 40   |                                |
| 109  | Antguards   | m <sup>2</sup> | 40   |                                |
| 110  | Circular cutting  | m              | 40   |                                |
| 111  | Apron flashings 400mm girth with 150mm laps   | m              | 40   |                                |
| 112  | Cover flashings 450mm girth with 150mm laps   | m              | 40   |                                |
| Carried to Collection  |   |                |      | R                              |
| Section No. 2  |   |                |      |                                |
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**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 6**  
**ROOF COVERINGS**  
**COLLECTION**

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Roof Coverings

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**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 7**  
**CARPENTRY AND JOINERY**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**PREAMBLES**

**CARPENTRY AND JOINERY**

**Fixing**

Items described as nailed shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete

Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as bolted, the bolts have been given elsewhere

**STRUCTURAL TIMBERWORK ETC**

**Sawn softwood grade 6**

|    |   |                |    |
|----|---|----------------|----|
| 1  | 38 x 38mm Battening at 380mm centres for tile or slate roof covering at not exceeding 380mm centres | m <sup>2</sup> | 40 |
| 2  | Extra over for 38 x 50mm tilting fillets at eaves   | m              | 40 |
| 3  | 38mm Gutter boarding  | m <sup>2</sup> | 40 |
| 4  | 38mm Boarding to tank stands  | m <sup>2</sup> | 40 |
| 5  | 22mm Tongued and grooved roof boarding in 100mm widths  | m <sup>2</sup> | 40 |
| 6  | Circular cutting to boarding  | m              | 40 |
| 7  | 38 x 114mm Wall plates  | m              | 40 |
| 8  | 38 x 114mm Wall plates bolted   | m              | 40 |
| 9  | 38 x 76mm Bracing   | m              | 40 |
| 10 | 38 x 114mm Bracing  | m              | 40 |

Carried to Collection

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Section No. 2

Bill No. 7

Carpentry And Joinery

Maintenance Contract

|                       |  |   | Quantity | Rate | Maintenance Contract Amount |
|-----------------------|--|---|----------|------|-----------------------------|
| 11                    | 38 x 76mm Hangers  | m | 40       |      |                             |
| 12                    | 38 x 76mm Runners  | m | 40       |      |                             |
| 13                    | 38 x 114mm Runners   | m | 40       |      |                             |
| 14                    | 38 x 76mm Trimmers   | m | 40       |      |                             |
| 15                    | 38 x 114mm Sprockets   | m | 40       |      |                             |
| 16                    | 38 x 114mm Ceiling joists in lengths not exceeding 2,4m                                | m | 40       |      |                             |
| 17                    | 38 x 114mm Ceiling joists in lengths exceeding 2.4m and not exceeding 4.8m             | m | 40       |      |                             |
| 18                    | 38 x 114mm Common rafters in lengths not exceeding 2,4m                                | m | 40       |      |                             |
| 19                    | 38 x 114mm Common rafters in lengths exceeding 2.4m and not exceeding 4.8m             | m | 40       |      |                             |
| 20                    | 38 x 76mm Bearers bolted   | m | 40       |      |                             |
| 21                    | 38 x 76mm Bearers in lengths not exceeding 2,4m  | m | 40       |      |                             |
| 22                    | 38 x 114mm Bearers in lengths exceeding 2.4m and not exceeding 4.8m                    | m | 40       |      |                             |
| 23                    | 38 x 152mm Bearers in lengths exceeding 2.4m and not exceeding 4.8m                    | m | 40       |      |                             |
| 24                    | 38 x 114mm Bolted roof truss members in lengths not exceeding 2,4m                     | m | 40       |      |                             |
| 25                    | 38 x 152mm Bolted roof truss members in lengths not exceeding 2,4m                     | m | 40       |      |                             |
| 26                    | 38. x 114mm Bolted roof truss members in lengths exceeding 2.4m and not exceeding 4.8m | m | 40       |      |                             |
| Carried to Collection |  |   |          |      | R                           |
| Section No. 2         |  |   |          |      |                             |
| Bill No. 7            |  |   |          |      |                             |
| Carpentry And Joinery |  |   |          |      |                             |



|                           |  | Quantity       | Rate | Amount |
|---------------------------|--|----------------|------|--------|
| <b>EAVES, VERGES, ETC</b> |  |                |      |        |
| <b>Sawn softwood</b>      |  |                |      |        |
| 41                        | Slatted eaves soffit covering of 25 x 50mm wide slats at 60mm centres      | m <sup>2</sup> | 40   |        |
| 42                        | Slatted verge soffit covering of 25 x 50mm wide slats at 60mm centres      | m <sup>2</sup> | 40   |        |
| 43                        | Eaves soffit covering of 22mm tongued and grooved boarding in 100mm widths | m <sup>2</sup> | 40   |        |
| 44                        | Verge soffit covering of 22mm tongued and grooved boarding in 100mm widths | m <sup>2</sup> | 40   |        |
| 45                        | 38 x 38mm Branders   | m              | 40   |        |
| 46                        | 38 x 50mm Branders   | m              | 40   |        |
| 47                        | 38 x 38mm Branders wrought on one face                                     | m              | 40   |        |
| 48                        | 38 x 50mm Branders wrought on one face                                     | m              | 40   |        |
| 49                        | 38 x 114mm Bearers in lengths not exceeding 2,4m                           | m              | 40   |        |
| 50                        | 38 x 114mm Bearers in lengths exceeding 2,4m and not exceeding 4,8m        | m              | 40   |        |
| <b>Wrought softwood</b>   |  |                |      |        |
| 51                        | Slatted eaves soffit covering of 22 x 44mm wide slats at 50mm centres      | m <sup>2</sup> | 40   |        |
| 52                        | Slatted verge soffit covering of 22x 44mm wide slats at 50mm centres       | m <sup>2</sup> | 40   |        |
| 53                        | Eaves soffit covering of 22mm tongued and grooved boarding in 100mm widths | m <sup>2</sup> | 40   |        |
| 54                        | Verge soffit covering of 22mm tongued and grooved boarding in 100mm widths | m <sup>2</sup> | 40   |        |
| 55                        | 32 x 32mm Branders   | m              | 40   |        |
| 56                        | 32 x 108m Bearers in lengths not exceeding 2,4m                            | m              | 40   |        |
|                           | Carried to Collection  |                |      | R      |
| Section No. 2             |  |                |      |        |
| Bill No. 7                |  |                |      |        |
| Carpentry And Joinery     |  |                |      |        |

|    |   | Quantity       | Rate | Amount |
|----|---|----------------|------|--------|
| 57 | 44 x 108m Bearers in lengths not exceeding 2,4m   | m              | 40   |        |
| 58 | 19mm Quadrant beads   | m              | 40   |        |
| 59 | 10 x 19mm Beads   | m              | 40   |        |
| 60 | 19mm Half round cover strips  | m              | 40   |        |
| 61 | 32 x 222mm Fascias and barge boards   | m              | 40   |        |
|    | <b>Wrought meranti</b>  |                |      |        |
| 62 | Slatted eaves soffit covering of 22 x 44mm wide slats at 50mm centres   | m <sup>2</sup> | 40   |        |
| 63 | Slatted verge soffit covering of 22 x 44mm wide slats at 50mm centres   | m <sup>2</sup> | 40   |        |
| 64 | Eaves soffit covering of 22mm tongued and grooved boarding in 100mm widths  | m <sup>2</sup> | 40   |        |
| 65 | Verge soffit covering of 22mm tongued and grooved boarding in 100mm widths  | m <sup>2</sup> | 40   |        |
| 66 | 32 x 32mm Branders  | m              | 40   |        |
| 67 | 19mm Quadrant beads   | m              | 40   |        |
| 68 | 10 x 19mm Beads   | m              | 40   |        |
| 69 | 19mm Half round cover strips  | m              | 40   |        |
| 70 | 32 x 222mm Fascias and barge boards   | m              | 40   |        |
|    | <b>Medium density plain fibre-cement flat sheets</b>  |                |      |        |
| 71 | 6mm Eaves soffit covering (brandering elsewhere)  | m <sup>2</sup> | 40   |        |
| 72 | 6mm Eaves soffit covering including 38 x 38mm sawn softwood branders along edges, along centre and at 450mm centres across sheets | m <sup>2</sup> | 40   |        |
|    | Carried to Collection   |                |      |        |
|    | Section No. 2   |                |      |        |
|    | Bill No. 7  |                |      |        |
|    | Carpentry And Joinery   |                |      |        |
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|   |   | Quantity       | Rate | Amount |
|---|---|----------------|------|--------|
| 73  | 6mm Verge soffit covering (brandering elsewhere)  | m <sup>2</sup> | 40   |        |
| 74  | 6mm Verge soffit covering including 38 x 38mm sawn softwood branders along edges and at 450mm centres across sheets   | m <sup>2</sup> | 40   |        |
| <b>High density plain fibre-cement fascias and barge boards</b> |   |                |      |        |
| 75  | 10 x 228mm Fascias and barge boards, including galvanised steel, plastic or aluminium H-profile jointing strips   | m              | 40   |        |
| <b>Fibre-cement socketless barge boards</b>                     |   |                |      |        |
| 76  | 10 x 228mm Barge boards, including aluminium H-profile jointing strips etc  | m              | 40   |        |
| <b>FLOORS</b>   |   |                |      |        |
| <b>Sawn softwood</b>  |   |                |      |        |
| 77  | 38 x 38mm Floor battens wired to concrete with 4mm diameter galvanised wire ties at not exceeding 450mm centres, each tie bent double, embedded in concrete, bound around batten and twisted together including saw cuts in batten for same | m              | 40   |        |
| 78  | 38 x 152mm Floor joists in lengths not exceeding 2,4m   | m              | 40   |        |
| 79  | 38 x 152mm Floor joists in lengths exceeding 2,4m and not exceeding 4,8m  | m              | 40   |        |
| 80  | 50 x 152mm Floor joists in lengths exceeding 2.4m and not exceeding 4.8m  | m              | 40   |        |
| 81  | 38 x 114mm Bearers in lengths not exceeding 2,4m  | m              | 40   |        |
| 82  | 38 x 114mm Bearers in lengths exceeding 2.4m and not exceeding 4.8m   | m              | 40   |        |
| <b>Wrought saligna</b>  |   |                |      |        |
| 83  | Flooring of 19mm tongued and grooved boarding in 100mm widths   | m <sup>2</sup> | 40   |        |
| 84  | Circular cutting  | m              | 40   |        |
| 85  | Extra over flooring for 600 x 600mm trapdoor with 32 x 44mm framing and 32 x 32mm rebated trimmers all round  | No             | 40   |        |
| Carried to Collection   |   |                |      | R      |
| Section No. 2   |   |                |      |        |
| Bill No. 7  |   |                |      |        |
| Carpentry And Joinery   |   |                |      |        |

|   |  | Quantity | Rate | Amount |
|---|--|----------|------|--------|
| <b>SKIRTINGS</b>                                      |  |          |      |        |
| <b>Wrought meranti</b>                                |  |          |      |        |
| 86  | 19 x 44mm Skirtings  | m        | 40   |        |
| 87  | 19 x 69mm Skirtings  | m        | 40   |        |
| 88  | 19 x 44mm Skirtings, nailed  | m        | 40   |        |
| 89  | 19 x 69mm Skirtings, nailed  | m        | 40   |        |
| 90  | 19 x 44mm Skirtings, plugged   | m        | 40   |        |
| 91  | 19 x 69mm Skirtings, plugged   | m        | 40   |        |
| 92  | 19 x 69mm Skirtings stepped over treads and risers of stairs, nailed   | m        | 40   |        |
| 93  | 19 x 69mm Skirtings stepped over treads and risers of stairs, plugged  | m        | 40   |        |
| <b>DOORS ETC</b>                                      |  |          |      |        |
| <b>Wrought meranti fanlights</b>                      |  |          |      |        |
| 94  | Fanlight 900 x 300mm high of 44 x 44mm wide frame, in single pane, rebated all round including 10 x 10mm glazing beads   | No       | 40   |        |
| 95  | Fanlight 900 x 300mm high of 44 x 4mm wide frame and mullion, in two panes, rebated all round including 10 x 10mm glazing beads  | No       | 40   |        |
| <b>Wrought meranti fanlights hung to steel frames</b> |  |          |      |        |
| 96  | Fanlight 900 x 300mm high of 44 x 44mm wide frame, in single pane, rebated all round including 10 x 10mm glazing beads   | No       | 40   |        |
| 97  | Fanlight 900 x 300mm high of 44 x 4mm wide frame and mullion, in two panes, rebated all round including 10 x 10mm glazing beads  | No       | 40   |        |
| <b>Wrought hardwood doors</b>                         |  |          |      |        |
| 98  | 44mm Batten door 813 x 2032mm high of 22 x 108mm top, middle and bottom ledges and braces and covered with 22mm tongued and grooved V-jointed one side vertical boarding | No       | 40   |        |
| Carried to Collection                                 |  |          |      | R      |
| Section No. 2   |  |          |      |        |
| Bill No. 7  |  |          |      |        |
| Carpentry And Joinery                                 |  |          |      |        |

Quantity

Rate

Amount

|  |  |    |    |
|--|--|----|----|
| 99   | 44mm Framed, ledged and braced batten door 813 x 2032mm high of 222mm wide top rail and stiles, 22 x 108mm middle ledge and braces and 22 x 222mm bottom ledge, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-jointed and covered at back with 3mm plywood with matching veneer, let into and including rebates all round | No | 40 |
| 100  | 44mm Single panel stable door 813 x 2032mm high with rebated meeting rails, each leaf of 44 x 108mm wide top rail, stiles and bottom rail and 44 x 108mm brace, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to rails and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint  | No | 40 |
| 101  | 44mm Single panel double door 1511 x 2032mm high with rebated meeting stiles, each leaf of 222 x 22mm wide top rail and stiles, 222 x 22mm bottom rail and 22 x 108mm middle ledge and brace, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to rails and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint  | No | 40 |
| <b>Wrought hardwood doors hung to steel frames</b> |  |    |    |
| 102  | 44mm Batten door 813 x 2032mm high of 22 x 108mm top, middle and bottom ledges and braces and covered with 22mm tongued and grooved V-jointed one side vertical boarding   | No | 40 |
| 103  | 44mm Framed, ledged and braced batten door 813 x 2032mm high of 222mm wide top rail and stiles, 22 x 108mm middle ledge and braces and 22 x 222mm bottom ledge, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-jointed and covered at back with 3mm plywood with matching veneer, let into and including rebates all round | No | 40 |
| 104  | 44mm Single panel stable door 813 x 2032mm high with rebated meeting rails, each leaf of 44 x 108mm wide top rail, stiles and bottom rail and 44 x 108mm brace, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to rails and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint  | No | 40 |
| 105  | 44mm Single panel double door 1511 x 2032mm high with rebated meeting stiles, each leaf of 222 x 22mm wide top rail and stiles, 222 x 22mm bottom rail and 22 x 108mm middle ledge and brace, filled in with 22mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to rails and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint  | No | 40 |

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Carpentry And Joinery



|  |  | Quantity | Rate | Maintenance Contract<br>Amount |
|--|--|----------|------|--------------------------------|
| 119  | Extra over for 600 x 600mm framed opening for metal louvre unit (louvre unit elsewhere)<br>No                      | 40       |      |                                |
| <b>Semi-solid flush doors with commercial veneer, hung to steel frames</b>               |  |          |      |                                |
| 120  | 40mm Door 813 x 2032mm high<br>No  | 40       |      |                                |
| 121  | 40mm Double door 1511 x 2032mm high with rebated meeting edges<br>No   | 40       |      |                                |
| <b>Solid chipcore flush doors with commercial veneer</b>                                 |  |          |      |                                |
| 122  | 40mm Door 813 x 2032mm high<br>No  | 40       |      |                                |
| 123  | 40mm Double door 1511 x 2032mm high with rebated meeting edges<br>No   | 40       |      |                                |
| 124  | Extra over for 600 x 600mm framed opening fitted with 10 x 10mm wrought meranti glazing beads on both sides<br>No  | 40       |      |                                |
| 125  | Extra over for 600 x 600mm framed opening for metal louvre unit (louvre unit elsewhere)<br>No                      | 40       |      |                                |
| <b>Solid chipcore flush doors with commercial veneer, hung to steel frames</b>           |  |          |      |                                |
| 126  | 40mm Door 813 x 2032mm high<br>No  | 40       |      |                                |
| 127  | 40mm Double door 1511 x 2032mm high with rebated meeting edges<br>No   | 40       |      |                                |
| <b>Solid laminated external quality flush doors with commercial veneer on both sides</b> |  |          |      |                                |
| 128  | 40mm Door 813 x 2032mm high<br>No  | 40       |      |                                |
| 129  | 40mm Double door 1511 x 2032mm high with rebated meeting edges<br>No   | 40       |      |                                |
| 130  | Extra over for 600 x 600mm framed opening fitted with 10 x 10mm wrought hardwood glazing beads on both sides<br>No | 40       |      |                                |
| 131  | Extra over for 600 x 600mm framed opening for metal louvre unit (louvre unit elsewhere)<br>No                      | 40       |      |                                |
| Carried to Collection  |  |          | R    |                                |
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| Carpentry And Joinery  |  |          |      |                                |

|  |   | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---|----------|------|--------------------------------|
| <b>Solid laminated external quality flush doors with commercial veneer on both sides, hung to steel frames</b> |   |          |      |                                |
| 132  | 40mm Door 813 x 2032mm high   | No       | 40   |                                |
| 133  | 40mm Double door 1511 x 2032mm high with rebated meeting edges                          | No       | 40   |                                |
| <b>WINDOWS</b>   |   |          |      |                                |
| <b>Wrought hardwood sash type windows (glazing elsewhere measured) (Sizes are nominal)</b>                     |   |          |      |                                |
| 134  | Window size 600 x 600mm in one single top hung opening out pane                         | No       | 40   |                                |
| 135  | Window size 600 x 900mm in one side hung opening out pane                               | No       | 40   |                                |
| 136  | Window size 1200 x 600mm in two top hung opening out panes                              | No       | 40   |                                |
| 137  | Window size 1200 x 1200mm in two side hung opening out panes                            | No       | 40   |                                |
| 138  | Window size 1200 x 1500mm in two side hung opening out panes                            | No       | 40   |                                |
| 139  | Window size 1500 x 1500mm in two side hung opening out panes and one fixed central pane | No       | 40   |                                |
| <b>Wrought hardwood cottage pane type windows (glazing elsewhere measured) (Sizes are nominal)</b>             |   |          |      |                                |
| 140  | Window size 600 x 600mm in one single top hung opening out pane                         | No       | 40   |                                |
| 141  | Window size 600 x 900mm in one side hung opening out pane                               | No       | 40   |                                |
| 142  | Window size 1200 x 600mm in two top hung opening out panes                              | No       | 40   |                                |
| 143  | Window size 1200 x 1200mm in two side hung opening out panes                            | No       | 40   |                                |
| 144  | Window size 1200 x 1500mm in two side hung opening out panes                            | No       | 40   |                                |
| 145  | Window size 1500 x 1500mm in two side hung opening out panes and one fixed central pane | No       | 40   |                                |
| Carried to Collection  |   |          |      |                                |
| Section No. 2  |   |          | R    |                                |
| Bill No. 7   |   |          |      |                                |
| Carpentry And Joinery  |   |          |      |                                |

|                            |                                   | Quantity | Rate     | Maintenance Contract<br>Amount |
|----------------------------|-----------------------------------|----------|----------|--------------------------------|
| <b>LININGS, POSTS, ETC</b> |                                   |          |          |                                |
| <b>Wrought hardwood</b>    |                                   |          |          |                                |
| 146                        | 44 x 44mm Linings                 | m        | 40       |                                |
| 147                        | 44 x 70mm Linings                 | m        | 40       |                                |
| 148                        | 44 x 108mm Linings                | m        | 40       |                                |
| 149                        | 44 x 44mm Rebated linings         | m        | 40       |                                |
| 150                        | 44 x 70mm Rebated linings         | m        | 40       |                                |
| 151                        | 44 x 108mm Rebated linings        | m        | 40       |                                |
| 152                        | 44 x 44mm Rebated posts           | m        | 40       |                                |
| 153                        | 44 x 70mm Rebated posts           | m        | 40       |                                |
| 154                        | 44 x 108mm Rebated posts          | m        | 40       |                                |
| 155                        | 44 x 44mm Rebated posts, plugged  | m        | 40       |                                |
| 156                        | 44 x 70mm Rebated posts, plugged  | m        | 40       |                                |
| 157                        | 44 x 108mm Rebated posts, plugged | m        | 40       |                                |
| 158                        | 44 x 44mm Rebated posts, bolted   | m        | 40       |                                |
| 159                        | 44 x 70mm Rebated posts, bolted   | m        | 40       |                                |
| 160                        | 44 x 108mm Rebated posts, bolted  | m        | 40       |                                |
| Carried to Collection      |                                   |          |          |                                |
| Section No. 2              |                                   |          |          |                                |
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| Carpentry And Joinery      |                                   |          |          |                                |
|                            |                                   |          | <b>R</b> |                                |

|   |  | Quantity | Rate     | Maintenance Contract<br>Amount |
|---|--|----------|----------|--------------------------------|
| <b>FRAMED FRAMES, MULLIONS, TRANSOMS, ETC</b> |  |          |          |                                |
| <b>Wrought hardwood</b>                       |  |          |          |                                |
| 161   | 44 x 70mm Rebated frames                                 | m        | 40       |                                |
| 162   | 44 x 108mm Rebated frames                                | m        | 40       |                                |
| 163   | 44 x 108mm Twice rebated and splayed transoms            | m        | 40       |                                |
| <b>BEADS, ARCHITRAVES, SILLS, ETC</b>         |  |          |          |                                |
| <b>Wrought hardwood</b>                       |  |          |          |                                |
| 164   | 10 x 10mm Glazing beads                                  | m        | 40       |                                |
| 165   | 19 x 19mm Splayed glazing beads                          | m        | 40       |                                |
| 166   | 22 x 22mm Twice angle rounded glazing beads              | m        | 40       |                                |
| 167   | 22 x 22mm Beads  | m        | 40       |                                |
| 168   | 19mm Quadrant beads                                      | m        | 40       |                                |
| 169   | 19mm Half round beads                                    | m        | 40       |                                |
| 170   | 19 x 44mm Architraves                                    | m        | 40       |                                |
| 171   | 19 x 44mm Architraves, plugged                           | m        | 40       |                                |
| 172   | 19 x 44mm Splayed and angle rounded architraves          | m        | 40       |                                |
| 173   | 19 x 44mm Splayed and angle rounded architraves, plugged | m        | 40       |                                |
| 174   | 22 x 108mm Window sills                                  | m        | 40       |                                |
| 175   | 22 x 108mm Window sills, plugged                         | m        | 40       |                                |
| Carried to Collection                         |  |          |          |                                |
| Section No. 2                                 |  |          |          |                                |
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| Carpentry And Joinery                         |  |          |          |                                |
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|   |  | Quantity       | Rate | Maintenance Contract<br>Amount |
|---|--|----------------|------|--------------------------------|
| 176   | 44 x 108mm Splay rebated, angle rounded and grooved window sills   | m              | 40   |                                |
| <b>JOINERY SUNDRIES</b>                         |  |                |      |                                |
| <b>Wrought hardwood</b>                         |  |                |      |                                |
| 177   | Slatted shelving, seats, etc of 44 x 32mm wide slats at 50mm centres, screwed to steel framing including holes | m <sup>2</sup> | 40   |                                |
| 178   | 22 x 44mm Bearers, nailed  | m              | 40   |                                |
| 179   | 22 x 44mm Bearers, plugged   | m              | 40   |                                |
| 180   | 22 x 44mm Bearers, bolted  | m              | 40   |                                |
| 181   | 19 x 69mm Rebated and moulded picture rails, plugged   | m              | 40   |                                |
| 182   | 22 x 108mm Hat and coat rails, nailed  | m              | 40   |                                |
| 183   | 22 x 108mm Hat and coat rails, plugged   | m              | 40   |                                |
| 184   | 44 x 44mm Twice angle rounded handrails  | m              | 40   |                                |
| 185   | 44 x 69mm Grooved and twice angle rounded handrails  | m              | 40   |                                |
| 186   | 19mm Diameter mopstick handrails   | m              | 40   |                                |
| 187   | Extra over for domed end   | No             | 40   |                                |
| <b>NOTICEBOARDS, KEYBOARDS, DUCKBOARDS, ETC</b> |  |                |      |                                |
| <b>Softboard</b>                                |  |                |      |                                |
| 188   | 12mm Pinning boards glued to plastered walls   | m <sup>2</sup> | 40   |                                |
| <b>Interior quality particle board</b>          |  |                |      |                                |
| 189   | 6mm Backboards   | m <sup>2</sup> | 40   |                                |
| Carried to Collection                           |  |                |      | R                              |
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| Bill No. 7                                      |  |                |      |                                |
| Carpentry And Joinery                           |  |                |      |                                |

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 7**  
**CARPENTRY AND JOINERY**  
**COLLECTION**

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Section No. 2  
Bill No. 7  
Carpentry And Joinery

Quantity Rate Amount

**SECTION NO. 2**  
**SUPERSTRUCTURE**

**BILL NO. 8**  
**CEILINGS PARTITIONS AND ACCESS FLOORING**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**CEILING TIMBERS, BEADS, INSULATION, ETC**

**Non-combustible fibreglass insulation of a density of not less than 10kg/m3 bonded with an inert thermo-setting resin**

|   |  |                |    |  |
|---|--|----------------|----|--|
| 1 | 40mm Insulation in blanket form closely fitted and laid on top of brandering between roof timbers etc                            | m <sup>2</sup> | 40 |  |
| 2 | 40mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of brandering between roof timbers etc | m <sup>2</sup> | 40 |  |

**NAILED-UP CEILINGS**

**6,4mm Gypsum plasterboard with H-profile galvanised steel or pvc jointing strips**

|   |   |                |    |  |
|---|---|----------------|----|--|
| 3 | Ceilings including standard steel brandering at 400mm centres in one direction only, joined with joiner sections and hung with suspension brackets including standard steel perimeter angles fixed to walls etc         | m <sup>2</sup> | 40 |  |
| 4 | Sloping ceilings including standard steel brandering at 400mm centres in one direction only, joined with joiner sections and hung with suspension brackets including standard steel perimeter angles fixed to walls etc | m <sup>2</sup> | 40 |  |
| 5 | Vertical ceilings including standard steel brandering at 400mm centres in one direction only, joined with joiner sections and hung with suspension brackets   | m <sup>2</sup> | 40 |  |
| 6 | Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres and cross brandering at 600mm centres  | m <sup>2</sup> | 40 |  |
| 7 | Vertical ceilings including 38 x 38mm sawn softwood brandering at 400mm centres and cross brandering at 600mm centres   | m <sup>2</sup> | 40 |  |
| 8 | Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres generally in one direction and 38 x 38mm branders and cross branders at joints and edges of boards   | m <sup>2</sup> | 40 |  |
| 9 | Sloping ceilings including 38 x 38mm sawn softwood brandering at 450mm centres generally in one direction and 38 x 38mm branders and cross branders at joints and edges of boards                                       | m <sup>2</sup> | 40 |  |

Carried to Collection

R

Section No. 2

Bill No. 8

Ceilings Partitions And Access Flooring

Maintenance Contract

|    |   | Quantity | Rate | Amount |
|----|---|----------|------|--------|
| 10 | Circular cutting  | m        | 40   |        |
| 11 | Horizontal portion of bulkhead 250mm wide including standard steel branderling at 400mm centres, joined with joiner sections and hung with suspension brackets (supporting framework elsewhere)   | m        | 40   |        |
| 12 | Horizontal portion of bulkhead 600mm wide including standard steel branderling at 400mm centres, joined with joiner sections and hung with suspension brackets (supporting framework elsewhere)   | m        | 40   |        |
| 13 | Vertical portion of bulkhead 400mm high including standard steel branderling at 400mm centres, joined with joiner sections and hung with suspension brackets (supporting framework elsewhere)   | m        | 40   |        |
| 14 | Sloping portion of bulkhead 400mm high (measured on slope) including standard steel branderling at 400mm centres, joined with joiner sections and hung with suspension brackets (supporting framework elsewhere)                                    | m        | 40   |        |
| 15 | Vertical portion of bulkhead 400mm high including 38 x 38mm sawn softwood branderling at 400mm centres (supporting framework elsewhere)   | m        | 40   |        |
| 16 | Sloping portion of bulkhead 600mm high (measured on slope) including 38 x 38mm sawn softwood branderling at 400mm centres (supporting framework elsewhere)  | m        | 40   |        |
| 17 | Rectangular bulkhead against wall, 1m wide x 300mm high, including standard steel branderling at 400mm centres, joined with joiner sections and hung with suspension brackets (supporting framework elsewhere)                                      | m        | 40   |        |
| 18 | Rectangular bulkhead against wall, 1m wide x 300mm high, including 38 x 38mm sawn softwood branderling at 400mm centres (supporting framework elsewhere)  | m        | 40   |        |
| 19 | Bulkhead against wall with sloping front, 1m wide on soffit x 300mm high (measured on slope), including standard steel branderling at 300mm centres, joined with joiner sections and hung with suspension brackets (supporting framework elsewhere) | m        | 40   |        |
| 20 | Bulkhead against wall with sloping front, 1m wide on soffit x 300mm high (measured on slope), including 38 x 38mm sawn softwood branderling at 400mm centres (supporting framework elsewhere)   | m        | 40   |        |
| 21 | Opening for sprinkler head  | No       | 40   |        |
|    | Carried to Collection   |          |      | R      |
|    | Section No. 2   |          |      |        |
|    | Bill No. 8  |          |      |        |
|    | Ceilings Partitions And Access Flooring   |          |      |        |

|   |  | Quantity | Rate | Amount |
|---|--|----------|------|--------|
| 22                                      | Opening for 80mm diameter downlighter<br>No  | 40       |      |        |
| 23                                      | Extra over ceiling for opening for 1200 x 600mm light fitting<br>No  | 40       |      |        |
| 24                                      | Extra over ceiling for 600 x 600mm opening for ventilation grille/air conditioning diffuser<br>No  | 40       |      |        |
| 25                                      | Extra over ceiling for 600 x 600 x 3mm thick pressed steel trap door, hinged to open 180 degrees onto ceiling, T-section steel frame<br>No   | 40       |      |        |
| 26                                      | Extra over ceiling for 600 x 600mm trap door of 38 x 50mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around<br>No                   | 40       |      |        |
|   | <b>9,5mm Taper-edge gypsum plasterboard with taped joints and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer</b>                                       |          |      |        |
| 27                                      | Ceilings including standard steel brander at 400mm centres in one direction only, joined with joiner sections and hung with suspension brackets including standard steel perimeter angles fixed to walls etc<br>m <sup>2</sup>         | 40       |      |        |
| 28                                      | Sloping ceilings including standard steel brander at 400mm centres in one direction only, joined with joiner sections and hung with suspension brackets including standard steel perimeter angles fixed to walls etc<br>m <sup>2</sup> | 40       |      |        |
| 29                                      | Vertical ceilings including standard steel brander at 400mm centres in one direction only, joined with joiner sections and hung with suspension brackets<br>m <sup>2</sup>   | 40       |      |        |
| 30                                      | Ceilings including 38 x 38mm sawn softwood brander at 400mm centres and cross brander at 600mm centres<br>m <sup>2</sup>   | 40       |      |        |
| 31                                      | Sloping ceilings including 38 x 38mm sawn softwood brander at 400mm centres and cross brander at 600mm centres<br>m <sup>2</sup>   | 40       |      |        |
| 32                                      | Vertical ceilings including 38 x 38mm sawn softwood brander at 400mm centres and cross brander at 600mm centres<br>m <sup>2</sup>  | 40       |      |        |
| 33                                      | Ceilings including 38 x 38mm sawn softwood brander at 400mm centres generally in one direction and 38 x 38mm branders and cross branders at joints and edges of boards<br>m <sup>2</sup>   | 40       |      |        |
|   | Carried to Collection  |          | R    |        |
| Section No. 2                           |  |          |      |        |
| Bill No. 8                              |  |          |      |        |
| Ceilings Partitions And Access Flooring |  |          |      |        |

|   |  | Quantity       | Rate | Amount |
|---|--|----------------|------|--------|
| 34                                      | Sloping ceilings including 38 x 38mm sawn softwood branderling at 400mm centres generally in one direction and 38 x 38mm branders and cross branders at joints and edges of boards                               | m <sup>2</sup> | 40   |        |
| 35                                      | Vertical ceilings including 38 x 38mm sawn softwood branderling at 400mm centres generally in one direction and 38 x 38mm branders and cross branders at joints and edges of boards                              | m <sup>2</sup> | 40   |        |
| 36                                      | Margins or borders not exceeding 500mm wide flush with acoustic panel ceilings, including 38 x 38mm sawn softwood branderling along edges and across at 600mm centres  | m              | 40   |        |
| 37                                      | Margins or borders exceeding 500mm and not exceeding 1000mm wide flush with acoustic panel ceilings, including 38 x 38mm sawn softwood branderling along edges and across at 600mm centres                       | m              | 40   |        |
| 38                                      | Circular cutting   | m              | 40   |        |
| 39                                      | Horizontal portion of bulkhead 500mm wide including standard steel branderling at 400mm centres, joined with joiner sections and hung with suspension brackets (supporting framework elsewhere)                  | m              | 40   |        |
| 40                                      | Opening for sprinkler head   | No             | 40   |        |
| 41                                      | Opening for not exceeding 100mm diameter downlighter   | No             | 40   |        |
| 42                                      | Extra over ceiling for opening for 600 x 600mm light fitting   | No             | 40   |        |
| 43                                      | Extra over ceiling for opening for 600 x 1200mm light fitting  | No             | 40   |        |
| 44                                      | Extra over ceiling for 600 x 600mm opening for ventilation grille/air conditioning diffuser  | No             | 40   |        |
| 45                                      | Extra over ceiling for 600 x 1200mm opening for ventilation grille/air conditioning diffuser   | No             | 40   |        |
|   | <b>4,6mm Fibre-cement plain ceiling boards with H-profile galvanised steel or PVC jointing strips</b>  |                |      |        |
| 46                                      | Ceilings including standard steel branderling at 400mm centres in one direction only, joined with joiner sections and hung with suspension brackets including standard steel perimeter angles fixed to walls etc | m <sup>2</sup> | 40   |        |
|   | Carried to Collection  |                |      | R      |
| Section No. 2                           |  |                |      |        |
| Bill No. 8                              |  |                |      |        |
| Ceilings Partitions And Access Flooring |  |                |      |        |

Maintenance Contract

Quantity

Rate

Amount

|    |  |                |    |
|----|--|----------------|----|
| 47 | Sloping ceilings including standard steel branderling at 400mm centres in one direction only, joined with joiner sections and hung with suspension brackets including standard steel perimeter angles fixed to walls etc | m <sup>2</sup> | 40 |
| 48 | Vertical ceilings including standard steel branderling at 400mm centres in one direction only, joined with joiner sections and hung with suspension brackets   | m <sup>2</sup> | 40 |
| 49 | Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres and cross branderling at 600mm centres   | m <sup>2</sup> | 40 |
| 50 | Sloping ceilings including 38 x 38mm sawn softwood branderling at 400mm centres and cross branderling at 600mm centres   | m <sup>2</sup> | 40 |
| 51 | Vertical ceilings including 38 x 38mm sawn softwood branderling at 400mm centres and cross branderling at 600mm centres  | m <sup>2</sup> | 40 |
| 52 | Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres generally in one direction and 38 x 38mm branders and cross branders at joints and edges of boards   | m <sup>2</sup> | 40 |
| 53 | Sloping ceilings including 38 x 38mm sawn softwood branderling at 400mm centres generally in one direction and 38 x 38mm branders and cross branders at joints and edges of boards                                       | m <sup>2</sup> | 40 |
| 54 | Vertical ceilings including 38 x 38mm sawn softwood branderling at 400mm centres generally in one direction and 38 x 38mm branders and cross branders at joints and edges of boards                                      | m <sup>2</sup> | 40 |
| 55 | Margins or borders not exceeding 500mm wide flush with acoustic panel ceilings, including 38 x 38mm sawn softwood branderling along edges and across at 600mm centres  | m              | 40 |
| 56 | Margins or borders exceeding 500mm and not exceeding 1m wide flush with acoustic panel ceilings, including 38 x 38mm sawn softwood branderling along edges and across at 600mm centres                                   | m              | 40 |
| 57 | Circular cutting   | m              | 40 |
| 58 | Opening for sprinkler head   | No             | 40 |
| 59 | Opening for not exceeding 100mm diameter downlighter   | No             | 40 |

Carried to Collection

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Section No. 2

Bill No. 8

Ceilings Partitions And Access Flooring

Quantity

Rate

Amount

|   |  |                |    |
|---|--|----------------|----|
| 60  | Extra over ceiling for opening for 600 x 600mm light fitting   | No             | 40 |
| 61  | Extra over ceiling for opening for 1200 x 600mm light fitting  | No             | 40 |
| 62  | Extra over ceiling for 600 x 600mm opening for ventilation grille/air conditioning diffuser  | No             | 40 |
| 63  | Extra over ceiling for 600 x 600mm pressed steel trap door, hinged to open 180 degrees onto ceiling, in T-section steel frame  | No             | 40 |
| 64  | Extra over ceiling for 600 x 600mm trap door of 32 x 44mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around | No             | 40 |
| <b>Gypsum plasterboard cornices</b>   |  |                |    |
| 65  | 76mm Coved cornices  | m              | 40 |
| 66  | 76mm Coved cornices, plugged   | m              | 40 |
| 67  | Moulded timber cornices (PC R 100.00 per metre) plugged  | m              | 40 |
| 68  | Polystyrene coved or moulded cornices fixed with approved adhesive (PC R 100.00 per metre)   | m              | 40 |
| 69  | Polyurethane coved or moulded cornices fixed with approved adhesive (PC R 100.00 per metre)  | m              | 40 |
| <b>9mm Vinyl faced gypsum ceiling tiles size 1200 x 600mm including concealed tee metal grid system to suit</b> |  |                |    |
| 70  | Ceilings suspended not exceeding 1m below concrete slab of timber trusses at not exceeding 8mm centres   | m <sup>2</sup> | 40 |
| <b>9mm Vinyl faced gypsum ceiling tiles size 600 x 600mm including concealed tee metal grid system to suit</b>  |  |                |    |
| 71  | Ceilings suspended not exceeding 1m below concrete slab of timber trusses at not exceeding 8mm centres   | m <sup>2</sup> | 40 |
| <b>Cornices, edge trims, etc</b>  |  |                |    |
| 72  | Z-section angle trim fixed at 200mm centres  | m              | 40 |

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Bill No. 8

Ceilings Partitions And Access Flooring

|    |   | Quantity       | Rate | Amount |
|----|---|----------------|------|--------|
| 73 | L-section angle trim fixed at 200mm centres   | m              | 40   |        |
|    | <b>15mm Mineral wool (Owa Futura or other approved) ceiling tiles size 600 x 600mm including exposed tee metal grid system to suit</b>  |                |      |        |
| 74 | Ceilings suspended not exceeding 1m below concrete slab of timber trusses at not exceeding 8mm centres  | m <sup>2</sup> | 40   |        |
|    | <b>15mm Mineral wool (Owa Futura or other approved) ceiling tiles size 1200 x 600mm including exposed tee metal grid system to suit</b>   |                |      |        |
| 75 | Ceilings suspended not exceeding 1m below concrete slab of timber trusses at not exceeding 8mm centres  | m <sup>2</sup> | 40   |        |
|    | <b>'Owa' trims</b>  |                |      |        |
| 76 | W-section angle trim fixed at 200mm centres   | m              | 40   |        |
| 77 | L-section angle trim fixed at 200mm centres   | m              | 40   |        |
|    | <b>DRYWALL PARTITIONS</b>   |                |      |        |
|    | <b>76mm Partitions with 12,5mm thick gypsum plasterboard cladding on both sides</b>   |                |      |        |
| 78 | Partitions 2.7m high with bottom and top tracks plugged   | m              | 40   |        |
| 79 | Partitions 2.7m high with bottom track plugged and top track fixed to suspended ceiling tees  | m              | 40   |        |
| 80 | Partitions 2.7m high with top and bottom tracks plugged, with lower section solid 1.2m high and upper section 900mm high framed all round with Drywall natural anodised aluminium glazing sections and divided into panels with aluminium mullions at 900mm centres, with each panel glazed with 6mm clear float glass including neoprene glazing gaskets | m              | 40   |        |
| 81 | Extra over partition 2.7m high for vertical abutment  | No             | 40   |        |
| 82 | Extra over partition 2.7m high for corner   | No             | 40   |        |
| 83 | Extra over partition 2.7m high for irregular corner   | No             | 40   |        |
| 84 | Extra over partition 2.7m high for T-intersection   | No             | 40   |        |
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|    | Ceilings Partitions And Access Flooring   |                |      |        |

|    |   | Quantity | Rate | Amount |
|----|---|----------|------|--------|
| 85 | Extra over partition 2.7m high for fair end   | No       | 40   |        |
|    | <b>91mm Partitions with 12,5mm thick gypsum plasterboard cladding on both sides</b>   |          |      |        |
| 86 | Partitions 2.7m high with bottom and top tracks plugged   | m        | 40   |        |
| 87 | Partitions 2.7m high with bottom track plugged and top track fixed to suspended ceiling tees  | m        | 40   |        |
| 88 | Partitions 2.7m high with top and bottom tracks plugged, with lower section solid 1.2m high and upper section 900mm high framed all round with Drywall natural anodised aluminium glazing sections and divided into panels with aluminium mullions at 900mm centres, with each panel glazed with 6mm clear float glass including neoprene glazing gaskets | m        | 40   |        |
| 89 | Extra over partition 2.7m high for vertical abutment  | No       | 40   |        |
| 90 | Extra over partition 2.7m high for corner   | No       | 40   |        |
| 91 | Extra over partition 2.7m high for irregular corner   | No       | 40   |        |
| 92 | Extra over partition 2.7m high for T-intersection   | No       | 40   |        |
| 93 | Extra over partition 2.7m high for fair end   | No       | 40   |        |
|    | <b>91mm Partitions with 12,5mm thick gypsum plasterboard cladding on both sides and the cavity filled in with 50mm thick glasswool insulation in blanket form with a density of not less than 32kg/m2</b>   |          |      |        |
| 94 | Partitions 2.7m high with bottom and top tracks plugged   | m        | 40   |        |
| 95 | Partitions 2.7m high with bottom track plugged and top track fixed to suspended ceiling tees  | m        | 40   |        |
| 96 | Partitions 2.7m high with top and bottom tracks plugged, with lower section solid 1.2m high and upper section 900mm high framed all round with Drywall natural anodised aluminium glazing sections and divided into panels with aluminium mullions at 900mm centres, with each panel glazed with 6mm clear float glass including neoprene glazing gaskets | m        | 40   |        |
| 97 | Extra over partition 2.7m high for vertical abutment  | No       | 40   |        |
|    | Carried to Collection   |          |      | R      |
|    | Section No. 2   |          |      |        |
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|    | Ceilings Partitions And Access Flooring   |          |      |        |

|   |   |                | Quantity | Rate | Maintenance Contract<br>Amount |
|---|---|----------------|----------|------|--------------------------------|
| 98  | Extra over partition 2.7m high for corner   | No             | 40       |      |                                |
| 99  | Extra over partition 2.7m high for irregular corner   | No             | 40       |      |                                |
| 100   | Extra over partition 2.7m high for T-intersection   | No             | 40       |      |                                |
| 101   | Extra over partition 2.7m high for fair end   | No             | 40       |      |                                |
| <b>Extra over 76mm partitions for opening for 40mm thick doors including including with one pair of 100mm aluminium hinges to each hanging stile, including additional studding, trimming, etc. to partitions</b><br>Barrel bolts, locksets, etc measured elsewhere |   |                |          |      |                                |
| 102   | Hollow core door 762 x 2032mm high  | No             | 40       |      |                                |
| 103   | Hollow core door 813 x 2032mm high  | No             | 40       |      |                                |
| 104   | Hollow core double door 1511 x 2032mm high  | No             | 40       |      |                                |
| <b>Extra over 91mm partitions for opening for 40mm thick doors including including with one pair of 100mm aluminium hinges to each hanging stile, including additional studding, trimming, etc. to partitions</b><br>Barrel bolts, locksets, etc measured elsewhere |   |                |          |      |                                |
| 105   | Hollow core door 762 x 2032mm high  | No             | 40       |      |                                |
| 106   | Hollow core door 813 x 2032mm high  | No             | 40       |      |                                |
| 107   | Hollow core double door 1511 x 2032mm high  | No             | 40       |      |                                |
| <b>ACCESS FLOORING</b>  |   |                |          |      |                                |
| <b>Approved type access flooring</b>  |   |                |          |      |                                |
| 108   | 600 x 600mm Modular and interchangeable board panel access flooring including pedestals and panels finished with factory bonded 1,3mm thick plastic laminate (access flooring to finish 600mm above concrete sub-floor)                               | m <sup>2</sup> | 40       |      |                                |
| 109   | 600 x 600mm Modular and interchangeable board panel access flooring including stringers, pedestals and panels finished with 8mm polypropylene carpet tiles glued on with approved adhesive (access flooring to finish 600mm above concrete sub-floor) | m <sup>2</sup> | 40       |      |                                |
| Carried to Collection   |   |                |          | R    |                                |
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| Ceilings Partitions And Access Flooring   |   |                |          |      |                                |

|   |   | Quantity       | Rate | Maintenance Contract<br>Amount |
|---|---|----------------|------|--------------------------------|
| 110                                     | 600 x 600mm Modular and interchangeable board panel access flooring including stringers, pedestals and panels with cementitious filling, finished with factory bonded 1,3mm thick plastic laminate (access flooring to finish 600mm above concrete sub-floor) | m <sup>2</sup> | 40   |                                |
| 111                                     | Junctions against walls and columns   | m              | 40   |                                |
| 112                                     | Junctions against circular walls and columns  | m              | 40   |                                |
| 113                                     | Hole for not exceeding 100mm external diameter pipe through floor panel including sealing   | No             | 40   |                                |
| 114                                     | Extra over access flooring for 600 x 600mm ventilation grille   | No             | 40   |                                |
| 115                                     | Extra over access flooring for 600 x 600mm strengthened panel   | No             | 40   |                                |
| 116                                     | Supplying, erecting, dismantling and removing from site 600 x 600 x 600mm high sample of access flooring  | No             | 40   |                                |
| <b>Sundries</b>                         |   |                |      |                                |
| 117                                     | Vacuum cleaning the floor void after installation of services   | m <sup>2</sup> | 40   |                                |
| 118                                     | Fire barrier high between concrete sub-floor and floor panels (2 hour fire rating)  | m              | 40   |                                |
| 119                                     | Cutting and fitting fire barrier around not exceeding 100mm diameter pipe including sealing   | No             | 40   |                                |
| 120                                     | Cutting and fitting fire barrier around not exceeding 600 x 600mm metal duct including sealing  | No             | 40   |                                |
| 121                                     | Carpet panel lifting device   | No             | 40   |                                |
| 122                                     | Double suction-type panel lifting device  | No             | 40   |                                |
| 123                                     | Spare floor panel finished with factory bonded 1,3mm thick plastic laminate, handed to the employer   | No             | 40   |                                |
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**CEILINGS PARTITIONS AND ACCESS FLOORING**  
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**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 9**  
**IRONMONGERY**

Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

Where the manufacturer or brand name has been specified in the following items, the tenderer shall substitute with another of equal quality to be approved by the implementing agent of the Owner

**HINGES, BOLTS, ETC**

**Approved heavy duty type**

|    |                                      |    |    |
|----|--------------------------------------|----|----|
| 1  | 50mm (Open) brass piano hinges       | m  | 20 |
| 2  | 75mm Steel hinge                     | No | 20 |
| 3  | 75mm Brass hinge                     | No | 20 |
| 4  | 100mm Steel hinge                    | No | 20 |
| 5  | 100mm Brass hinge                    | No | 20 |
| 6  | 100mm Aluminium hinge                | No | 20 |
| 7  | 100mm Stainless steel rising hinge   | No | 20 |
| 8  | 100mm Stainless steel fallng hinge   | No | 20 |
| 9  | 100mm Brass rising hinge             | No | 20 |
| 10 | 100mm Brass fallng hinge             | No | 20 |
| 11 | 100mm Brass hinge with nylon washers | No | 20 |
| 12 | 100mm Brass ball bearing butt hinge  | No | 20 |

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 Ironmongery

Maintenance Contract

|    |   |    | Quantity | Rate | Amount |
|----|---|----|----------|------|--------|
| 13 | 100 x 100mm Brass parliament hinge  | No | 20       |      |        |
| 14 | 100mm Chromium plated brass barrel bolt   | No | 20       |      |        |
| 15 | 100mm Chromium plated brass barrel bolt with keep fixed to metal  | No | 20       |      |        |
| 16 | 100mm Chromium plated brass barrel bolt with keep let into concrete   | No | 20       |      |        |
| 17 | 150mm Chromium plated brass barrel bolt   | No | 20       |      |        |
| 18 | 150mm Chromium plated brass barrel bolt with keep fixed to metal  | No | 20       |      |        |
| 19 | 150mm Chromium plated brass barrel bolt with keep let into concrete   | No | 20       |      |        |
| 20 | Cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged (PC R 160.00 each) | No | 20       |      |        |
|    | <b>Assa Abloy or other equal and approved type</b>  |    |          |      |        |
| 21 | 8052-150NP Nickel plated flush bolt   | No | 20       |      |        |
| 22 | 8052-200NP Nickel plated flush bolt   | No | 20       |      |        |
| 23 | 8052-150PL Polished brass flush bolt  | No | 20       |      |        |
| 24 | 8052-200PL Polished brass flush bolt  | No | 20       |      |        |
| 25 | CZ80941 Bathroom / WC indicator bolt  | No | 20       |      |        |
| 26 | Assa Abloy CE853 PL Exisafe panic latch for single door not exceeding 950mm wide                                | No | 20       |      |        |
| 27 | Assa Abloy J883SIL push bar panic latch for double door not exceeding 900mm per leaf                            | No | 20       |      |        |
|    | Carried to Collection   |    |          |      |        |
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|  |   | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---|----------|------|--------------------------------|
| 28   | Assa Abloy J883WSIL push bar panic latch for double door exceeding 900mm and not exceeding 1200mm per leaf) | No       | 20   |                                |
| <b>LOCKS</b>                                       |   |          |      |                                |
| <b>Assa Abloy or other equal and approved type</b> |   |          |      |                                |
| 29   | Union 40mm Brass padlock with 20mm standard hardened steel shackle  | No       | 20   |                                |
| 30   | Union 40mm Brass padlock with 63mm hardened stainless steel shackle for use with 1500GY Reslock             | No       | 20   |                                |
| 31   | CZ682-24-95 Gower two lever lockset   | No       | 20   |                                |
| 32   | CZ682-24-52 Gower three lever lockset   | No       | 20   |                                |
| 33   | CZ682-24-61 Gower four lever lockset  | No       | 20   |                                |
| 34   | CZ682-05-222 Gower Euro profile cylinder lockset  | No       | 20   |                                |
| <b>HANDLES</b>                                     |   |          |      |                                |
| <b>Assa Abloy or other equal and approved type</b> |   |          |      |                                |
| 35   | 5920BT 600 x 32mm Sandpiper stainless steel pull handle   | No       | 20   |                                |
| 36   | 5920BB 600 x 32mm Sandpiper stainless steel pull handle set   | Pairs    | 20   |                                |
| 37   | SS5D96-22-06 Stainless steel pull handle with 228 x 152mm plate   | No       | 20   |                                |
| 38   | AL5515-300BB Anodised silver pull handle set  | Pairs    | 20   |                                |
| 39   | AL5D66-06 Anodised silver pull handle with 152 x 152mm back plate   | No       | 20   |                                |
| 40   | AL5A67-06 Sable anodised silver pull handle with 178 x 152mm back plate                                     | No       | 20   |                                |
| <b>PUSH PLATES AND KICK PLATES</b>                 |   |          |      |                                |
| <b>Assa Abloy or other equal and approved type</b> |   |          |      |                                |
| 41   | AL5023-228W 152 x 228 x 3mm AS aluminium push plate   | No       | 20   |                                |
| Carried to Collection                              |   |          |      | R                              |
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|    |   |    |    |
|----|---|----|----|
| 42 | AL5023-608W 152 x 608 x 3mm AS aluminium push plate         | No | 20 |
| 43 | AL5023-988W 152 x 988 x 3mm AS aluminium push plate         | No | 20 |
| 44 | SS5023-228W 152 x 228 x 1.2mm SS stainless steel push plate | No | 20 |
| 45 | SS5023-532W 152 x 532 x 1.2mm SS stainless steel push plate | No | 20 |
| 46 | SS5023-988W 152 x 988 x 1.2mm SS stainless steel push plate | No | 20 |
| 47 | AL5089-150W 150 x 800 x 2mm AS aluminium kick plate         | No | 20 |
| 48 | AL5089-550W 550 x 800 x 2mm AS aluminium kick plate         | No | 20 |
| 49 | AL5089-1000W 1000 x 800 x 2mm AS aluminium kick plate       | No | 20 |
| 50 | SS5089-150W 150 x 800 x 1.2mm SS stainless steel kick plate | No | 20 |
| 51 | SS5089-550W 550 x 800 x 1.2mm SS stainless steel kick plate | No | 20 |
| 52 | SS5089-950W 950 x 800 x 1.2mm SS stainless steel kick plate | No | 20 |

**DOOR CLOSERS**

**Assa Abloy or other equal and approved type**

|    |   |    |    |
|----|---|----|----|
| 53 | DC500 Cam-Motion closer                                       | No | 20 |
| 54 | FD461 - DC700 Door closer                                     | No | 20 |
| 55 | DC700G-CM Cam motion door closer with integrated close motion | No | 20 |

**SLIDING GEAR**

**'Henderson' or other equal and approved type**

|    |   |    |    |
|----|---|----|----|
| 56 | Senator sliding gear set for single door with track, ncluding brackets for side or soffit fixing, hangers, rollers, guides, stops, etc. | No | 20 |
|----|---|----|----|

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|    |  | Quantity | Rate | Maintenance Contract<br>Amount |
|----|--|----------|------|--------------------------------|
| 57 | Senator sliding gear set for bi-parting double door, including brackets for side or soffit fixing, hangers, rollers, guides, stops, etc. | No       | 20   |                                |
|    | <b>LETTERS, NAMEPLATES, ETC</b>  |          |      |                                |
|    | <b>Assa Abloy or other equal and approved type</b>   |          |      |                                |
| 58 | Union AL5066-06AS 150 x 150mm x 3mm thick aluminium full infill engraved plates  | No       | 20   |                                |
| 59 | Union SS5066-06SSS 150 x 150mm x 3mm thick stainless steel full infill engraved plates   | No       | 20   |                                |
| 60 | Union SS5066-06SSE 150 x 150mm x 3mm thick stainless steel outline engraved plates   | No       | 20   |                                |
|    | <b>SUNDRIES</b>  |          |      |                                |
|    | <b>Assa Abloy other equal and approved type</b>  |          |      |                                |
| 61 | 87001SS Stainless steel floor mounted door stop plugged  | No       | 20   |                                |
| 62 | AL8730AS Aluminium door stop plugged   | No       | 20   |                                |
| 63 | CZ8731 Cast zinc door stop plugged   | No       | 20   |                                |
| 64 | 99022 Wall mounted door stop plugged   | No       | 20   |                                |
| 65 | AL8254AS Aluminium wall mounted door stop  | No       | 20   |                                |
| 66 | 8025SS Stainless steel hat and coat hook   | No       | 20   |                                |
| 67 | AL8721AS Aluminium hat and coat hook   | No       | 20   |                                |
| 68 | AL87253AS Aluminium rubber tipped hat and coat hook  | No       | 20   |                                |
| 69 | 99001NP Nickel plated wishbone door guard  | No       | 20   |                                |
| 70 | 99001BP Brass plated wishbone door guard   | No       | 20   |                                |
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Maintenance Contract

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|                          |  |    |    |  |
|--------------------------|--|----|----|--|
| 71                       | 99200 PL Brass door viewer   | No | 20 |  |
| 72                       | 99200 CH Chrome door viewer  | No | 20 |  |
| 73                       | Hardwood longarm with brass pole hook on one end, two broom clips each with 20 x 70 x 70mm wrought and chamfered hardwood block twice oiled and plugged and 20 x 70 x 70mm wrought and chamfered hardwood block with sinking , twice oiled and plugged | No | 20 |  |
| <b>Door mats</b>         |  |    |    |  |
| 74                       | 'Coba' 600 x 900mm Bubble mat laid loose   | No | 5  |  |
| 75                       | 'Coba' 600 x 1200mm Safegrip mat laid loose  | No | 5  |  |
| 76                       | 'Coba' 800 x 1200mm Ramp mat laid loose  | No | 5  |  |
| 77                       | 'Mat Marketing EM PP12x9' 1200 x 900mm plain polyfibre mat laid loose  | No | 5  |  |
| <b>BATHROOM FITTINGS</b> |  |    |    |  |
| <b>Approved type</b>     |  |    |    |  |
| 78                       | 19mm Diameter x 600mm chromium plated towel or hanging rail with flanged end brackets plugged  | No | 20 |  |
| 79                       | 19mm Diameter x 900mm chromium plated towel or hanging rail with flanged end brackets plugged  | No | 20 |  |
| 80                       | 19mm Diameter x 1200mm chromium plated towel or hanging rail with flanged end brackets plugged   | No | 20 |  |
| 81                       | 19mm Diameter x 600mm chromium plated double towel or hanging rail with flanged end brackets plugged   | No | 20 |  |
| 82                       | 19mm Diameter x 900mm chromium plated double towel or hanging rail with flanged end brackets plugged   | No | 20 |  |
| 83                       | 19mm Diameter x 1200mm chromium plated double towel or hanging rail with flanged end brackets plugged  | No | 20 |  |

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|  |  |    |    |
|--|--|----|----|
| 84   | "Builders 24207 Econo' Steel toilet roll holder plugged                                | No | 10 |
| 85   | 'Africa Floorcare' TR2 Two roll white toilet roll holder / dispenser plugged           | No | 10 |
| 86   | 'Africa Floorcare' TR3 Three roll white toilet roll holder / dispenser plugged         | No | 10 |
| 87   | "Chromecater' 1200ml Stainless steel soap dispenser with lock plugged                  | No | 10 |
| 88   | 'Vaal F14C' Chromium plated cranked grab rail plugged                                  | No | 10 |
| 89   | 'Vaal F16C' Chromium plated cistern rail plugged                                       | No | 10 |
| 90   | 'CTM' 460 x 280 x 120mm White single door cabinet plugged                              | No | 10 |
| <b>SHELVES ETC</b>   |  |    |    |
| <b>Linvar (Contact No. 0100 15 15 15) type steel shelving with standard powder coated finish</b> |  |    |    |
| 91   | Single slot wall band, plugged (PC R 50.00 each)                                       | No | 20 |
| 92   | BF 1829305 914 x 305 x 1829mm High free standing bolted shelving unit with six shelves | No | 10 |
| 93   | BF 1829457 914 x 457 x 1829mm High free standing bolted shelving unit with six shelves | No | 10 |
| 94   | BF 1829610 914 x 610 x 1829mm High free standing bolted shelving unit with six shelves | No | 10 |
| 95   | BS305 914 x 305mm Loose shelf including nuts and bolts                                 | No | 20 |
| 96   | BS457 914 x 457mm Loose shelf including nuts and bolts                                 | No | 20 |
| 97   | BS610 914 x 610mm Loose shelf including nuts and bolts                                 | No | 20 |
| 98   | 57203010 White double slot wall band 995mm long, plugged                               | No | 20 |

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|  |  |    | Quantity | Rate | Maintenance Contract<br>Amount |
|--|--|----|----------|------|--------------------------------|
| 99   | 57203034 White double slot wall band 1995mm long, plugged  | No | 20       |      |                                |
| 100  | 57204017 220mm White double slot wall bracket  | No | 20       |      |                                |
| 101  | 57204031 370mm White double slot wall bracket  | No | 20       |      |                                |
| 102  | 57207025 800 x 300mm White steel shelf including bolts and nuts and assembly   | No | 20       |      |                                |
| 103  | 57207049 800 x 400mm White steel shelf including bolts and nuts and assembly   | No | 20       |      |                                |
| <b>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</b> |  |    |          |      |                                |
| 104  | Parrot 900 x 600mm Grey pinning board plugged  | No | 20       |      |                                |
| 105  | Parrot 1200 x 1000mm Grey pinning board plugged  | No | 20       |      |                                |
| 106  | Parrot 1000 x 1000mm white non magnetic writing board plugged  | No | 10       |      |                                |
| 107  | Parrot 2000 x 1000mm white non magnetic writing board plugged  | No | 10       |      |                                |
| 108  | Green or white folding type writing board, with wall mounted centre board with chalk rail and two swing leaves plugged (PC R 2500.00 each) | No | 10       |      |                                |
| Carried to Collection  |  |    |          |      |                                |
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Carried To Section Summary

R

Section No. 2  
Bill No. 9  
Ironmongery

Quantity

Rate

Amount

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 10**  
**STRUCTURAL STEELWORK**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**STEEL COLUMNS AND BEAMS**

**Welded columns in single lengths with flat base, cap, bearer and connection plates, bolted to concrete**

|   |   |        |   |  |
|---|---|--------|---|--|
| 1 | I-section / H-section / U-section columns | Tonnes | 4 |  |
|---|---|--------|---|--|

|   |  |        |   |  |
|---|--|--------|---|--|
| 2 | I-section / H-section / U-section columns in heights exceeding 13m and not exceeding 18m | Tonnes | 4 |  |
|---|--|--------|---|--|

**Welded beams in single lengths with flat bearer and connection plates, bolted to steel**

|   |   |        |   |  |
|---|---|--------|---|--|
| 3 | I-section / H-section / U-section beams | Tonnes | 4 |  |
|---|---|--------|---|--|

|   |   |        |   |  |
|---|---|--------|---|--|
| 4 | I-section / H-section / U-section beams exceeding 13m and not exceeding 18m | Tonnes | 4 |  |
|---|---|--------|---|--|

|   |                     |        |   |  |
|---|---------------------|--------|---|--|
| 5 | Box section columns | Tonnes | 4 |  |
|---|---------------------|--------|---|--|

**STEEL PORTAL FRAMES**

**Welded portal frames with flat bearer, gusset and connection plates and angle cleats, bolted to concrete**

|   |   |        |   |  |
|---|---|--------|---|--|
| 6 | Double pitched portal frames of I-section / H-section / U-section rafters and columns | Tonnes | 4 |  |
|---|---|--------|---|--|

**GALVANISED STEEL PORTAL FRAMES**

**Galvanised Welded portal frames with flat bearer, gusset and connection plates and angle cleats, bolted to concrete**

|   |  |        |   |  |
|---|--|--------|---|--|
| 7 | Galvanised Double pitched portal frames of I-section / H-section / U-section rafters and columns | Tonnes | 4 |  |
|---|--|--------|---|--|

**STEEL TRUSSES**

**Welded roof trusses of angle rafters, tie beams, rails, struts, braces, cleats, etc and flat bearer, gusset and connection plates, bolted to steel**

|   |                     |        |   |  |
|---|---------------------|--------|---|--|
| 8 | Monopitched trusses | Tonnes | 4 |  |
|---|---------------------|--------|---|--|

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Bill No. 10

Structural Steelwork

|    |   | Quantity | Rate | Maintenance Contract Amount |
|----|---|----------|------|-----------------------------|
| 9  | Double pitched trusses  | Tonnes   | 4    |                             |
| 10 | Lattice trusses   | Tonnes   | 4    |                             |
|    | <b>Welded roof trusses of rectangular / round hollow section rafters, tie beams, rails, struts, braces, cleats, etc and flat bearer, gusset and connection plates, bolted to steel</b>            |          |      |                             |
| 11 | Monopitched trusses   | Tonnes   | 4    |                             |
| 12 | Double pitched trusses  | Tonnes   | 4    |                             |
| 13 | Lattice trusses   | Tonnes   | 4    |                             |
|    | <b>GALVANISED STEEL TRUSSES</b>   |          |      |                             |
|    | <b>Galvanised Welded roof trusses of angle rafters, tie beams, rails, struts, braces, cleats, etc and flat bearer, gusset and connection plates, bolted to steel</b>                              |          |      |                             |
| 14 | Lattice trusses   | Tonnes   | 4    |                             |
| 15 | Double pitched trusses  | Tonnes   | 4    |                             |
| 16 | Monopitched trusses   | Tonnes   | 4    |                             |
|    | <b>Galvanised Welded roof trusses of rectangular / round hollow section rafters, tie beams, rails, struts, braces, cleats, etc and flat bearer, gusset and connection plates, bolted to steel</b> |          |      |                             |
| 17 | Monopitched trusses   | Tonnes   | 4    |                             |
| 18 | Double pitched trusses  | Tonnes   | 4    |                             |
| 19 | Lattice trusses   | Tonnes   | 4    |                             |
|    | <b>STEEL PURLINS, GIRTS, BRACING, ETC</b>   |          |      |                             |
|    | <b>Purlins and girts, bolted to steel</b>   |          |      |                             |
| 20 | Angle purlins   | Tonnes   | 4    |                             |
| 21 | Angle girts   | Tonnes   | 4    |                             |
|    | Carried to Collection   |          |      | R                           |
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|    | Bill No. 10   |          |      |                             |
|    | Structural Steelwork  |          |      |                             |

|   |  | Quantity | Rate     | Maintenance Contract<br>Amount |
|---|--|----------|----------|--------------------------------|
| 22  | Cold-formed lipped channel purlins                                 | Tonnes   | 4        |                                |
| 23  | Cold-formed lipped channel girts                                   | Tonnes   | 4        |                                |
| <b>Welded bracing, anti-sag rails, etc with flat connection plates, bolted to steel</b> |  |          |          |                                |
| 24  | Angle bracing  | Tonnes   | 4        |                                |
| 25  | Angle anti-sag rails   | Tonnes   | 4        |                                |
| 26  | Round anti-sag rods with threaded ends, including nuts and washers | Tonnes   | 4        |                                |
| 27  | Round hollow section bracing                                       | Tonnes   | 4        |                                |
| <b>GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC</b>                                    |  |          |          |                                |
| <b>Welded bracing, anti-sag rails, etc with flat connection plates, bolted to steel</b> |  |          |          |                                |
| 28  | Angle bracing  | Tonnes   | 4        |                                |
| 29  | Angle anti-sag rails   | Tonnes   | 4        |                                |
| 30  | Round anti-sag rods with threaded ends, including nuts and washers | Tonnes   | 4        |                                |
| 31  | Round hollow section bracing                                       | Tonnes   | 4        |                                |
| <b>Purlins and girts, bolted to steel</b>   |  |          |          |                                |
| 32  | Angle purlins  | Tonnes   | 4        |                                |
| 33  | Angle girts  | Tonnes   | 4        |                                |
| 34  | Cold-formed lipped channel purlins                                 | Tonnes   | 4        |                                |
| 35  | Cold-formed lipped channel girts                                   | Tonnes   | 4        |                                |
| Carried to Collection   |  |          |          |                                |
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| Bill No. 10   |  |          |          |                                |
| Structural Steelwork  |  |          |          |                                |

Maintenance Contract  
Amount

Quantity

Rate

**TESTS**

**Weld Testing**

36 X-Ray test of butt weld joint to web plate

No

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Carried to Collection

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Section No. 2  
Bill No. 10  
Structural Steelwork

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 10**  
**STRUCTURAL STEELWORK**  
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Bill No. 10  
Structural Steelwork

Quantity

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**SECTION NO. 2**  
**SUPERSTRUCTURE**

**BILL NO. 11**  
**METALWORK**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**STEEL STAIRS**

**Welded single flight stair - inclusive measurement**

|   |  |    |    |  |  |
|---|--|----|----|--|--|
| 1   | Welded single flight stair with balustrades, 4.5m long x 1m on plan x 2.8mm high overall of Vastrap plate continuous treads, risers and landing welded along edges to flat section stringers, with one side bolted to brickwork or concrete (bolts elsewhere)  | Kg | 20 |  |  |
| 2   | Welded horizontal or raking balustrades for stairs of flat section continuous top and bottom rails with hollow section standards, the top of the standard welded to underside of handrail and the bottom framed through bottom rail and welded to side of stringer; the balustrades filled in with mm hollow section balusters welded between top and bottom rails | Kg | 20 |  |  |
| 3   | 8mm Expansion bolt   | No | 20 |  |  |
| <b>The following in welded single flight stair:</b> |  |    |    |  |  |
| 4   | 5mm Vastrap plate continuous treads, risers and landing  | Kg | 20 |  |  |
| 5   | 100 x 8mm Flat section stringers   | Kg | 20 |  |  |
| 6   | Extra over for ramp or knee  | No | 20 |  |  |
| 7   | Extra over for L-intersection  | No | 20 |  |  |
| 8   | Hole through 8mm steel for bolt  | No | 20 |  |  |
| 9   | 50 x 6mm Flat section continuous handrails and bottom rails  | Kg | 20 |  |  |
| 10  | Extra over for fanged end  | No | 20 |  |  |
| 11  | Extra over for L-intersection  | No | 20 |  |  |

Carried to Collection

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Section No. 2

Bill No. 11

Metalwork



|                                   |   |    | Quantity | Rate | Maintenance Contract Amount |
|-----------------------------------|---|----|----------|------|-----------------------------|
| 28                                | Extra over for turned down end                            | No | 20       |      |                             |
| 29                                | Extra over for ramp or knee                               | No | 20       |      |                             |
| 30                                | 30 x 30 x 3mm Square hollow section balusters             | Kg | 40       |      |                             |
| 31                                | 76 x 50 x 3mm Rectangular hollow section bottom rail      | Kg | 40       |      |                             |
| 32                                | 8mm Expansion bolt  | No | 40       |      |                             |
| 33                                | 10mm Expansion bolt                                       | No | 40       |      |                             |
| <b>STEEL HANDRAILS</b>            |   |    |          |      |                             |
| <b>Welded handrails to stairs</b> |   |    |          |      |                             |
| 34                                | 50 x 5mm Flat section continuous rails                    | Kg | 20       |      |                             |
| 35                                | Extra over for fanged end                                 | No | 20       |      |                             |
| 36                                | Extra over for rounded end                                | No | 20       |      |                             |
| 37                                | 60 x 30 x 3mm Hollow section continuous rails             | Kg | 20       |      |                             |
| 38                                | Extra over for flat closed end                            | No | 20       |      |                             |
| 39                                | Extra over for mitred L-intersection                      | No | 20       |      |                             |
| 40                                | Extra over for T-intersection                             | No | 20       |      |                             |
| 41                                | Extra over for knee or ramp                               | No | 20       |      |                             |
| 42                                | 76 x 38 x 3mm Rectangular hollow section continuous rails | Kg | 20       |      |                             |
| 43                                | Extra over for flat closed end                            | No | 20       |      |                             |
| Carried to Collection             |   |    |          |      | <b>R</b>                    |
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| Metalwork                         |   |    |          |      |                             |

Maintenance Contract

|               |  | Quantity | Rate | Amount |
|---------------|--|----------|------|--------|
| 44            | Extra over for mitred L-intersection                       | No       | 20   |        |
| 45            | Extra over for T-intersection                              | No       | 20   |        |
| 46            | Extra over for ramp or knee                                | No       | 20   |        |
| 47            | 100 x 50 x 4mm Hollow section continuous rails             | Kg       | 20   |        |
| 48            | Extra over for flat closed end                             | No       | 20   |        |
| 49            | Extra over for mitred L-intersection                       | No       | 20   |        |
| 50            | Extra over for T-intersection                              | No       | 20   |        |
| 51            | Extra over for ramp or knee                                | No       | 20   |        |
| 52            | 38mm External diameter x 2.5mm thick continuous pipe rails | Kg       | 20   |        |
| 53            | Extra over for flat closed end                             | No       | 20   |        |
| 54            | Extra over for mitred L-intersection                       | No       | 20   |        |
| 55            | Extra over for T-intersection                              | No       | 20   |        |
| 56            | Extra over for ramp or knee                                | No       | 20   |        |
| 57            | 51mm External diameter x 3mm thick continuous pipe rails   | Kg       | 20   |        |
| 58            | Extra over for flat closed end                             | No       | 20   |        |
| 59            | Extra over for mitred L-intersection                       | No       | 20   |        |
| 60            | Extra over for T-intersection                              | No       | 20   |        |
|               | Carried to Collection                                      |          |      | R      |
| Section No. 2 |  |          |      |        |
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| Metalwork     |  |          |      |        |

|                                   |  |    | Quantity | Rate | Maintenance Contract<br>Amount |
|-----------------------------------|--|----|----------|------|--------------------------------|
| 61                                | Extra over for ramp or knee  | No | 20       |      |                                |
| 62                                | Bracket of 12mm diameter bar 150mm girth, once bent at right angles and with one end welded to rail and other end with 50mm diameter x 5mm thick plate twice holed for bolts and welded on | No | 20       |      |                                |
| 63                                | 8mm Expansion bolt   | No | 20       |      |                                |
| 64                                | 8mm Expansion anchor with loose bolt   | No | 20       |      |                                |
| <b>GALVANISED STEEL HANDRAILS</b> |  |    |          |      |                                |
| <b>Welded handrails to stairs</b> |  |    |          |      |                                |
| 65                                | 50 x 5mm Flat section continuous rails   | Kg | 20       |      |                                |
| 66                                | Extra over for fanged end  | No | 20       |      |                                |
| 67                                | Extra over for rounded end   | No | 20       |      |                                |
| 68                                | Extra over for mitred L-intersection   | No | 20       |      |                                |
| 69                                | Extra over for T-intersection  | No | 20       |      |                                |
| 70                                | Extra over for knee or ramp  | No | 20       |      |                                |
| 71                                | 60 x 30 x 3mm Hollow section continuous rails  | Kg | 20       |      |                                |
| 72                                | Extra over for flat closed end   | No | 20       |      |                                |
| 73                                | Extra over for mitred L-intersection   | No | 20       |      |                                |
| 74                                | Extra over for T-intersection  | No | 20       |      |                                |
| 75                                | Extra over for knee or ramp  | No | 20       |      |                                |
| Carried to Collection             |  |    |          |      | R                              |
| Section No. 2                     |  |    |          |      |                                |
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| Metalwork                         |  |    |          |      |                                |

Maintenance Contract

|    |  |    | Quantity | Rate | Maintenance Contract<br>Amount |
|----|--|----|----------|------|--------------------------------|
| 76 | 76 x 38 x 3mm Hollow section continuous rails              | Kg | 20       |      |                                |
| 77 | Extra over for flat closed end                             | No | 10       |      |                                |
| 78 | Extra over for mitred L-intersection                       | No | 10       |      |                                |
| 79 | Extra over for T-intersection                              | No | 20       |      |                                |
| 80 | Extra over for ramp or knee                                | No | 20       |      |                                |
| 81 | 100 x 50 x 4mm Hollow section continuous rails             | Kg | 20       |      |                                |
| 82 | Extra over for flat closed end                             | No | 20       |      |                                |
| 83 | Extra over for mitred L-intersection                       | No | 20       |      |                                |
| 84 | Extra over for T-intersection                              | No | 20       |      |                                |
| 85 | Extra over for ramp or knee                                | No | 20       |      |                                |
| 86 | 38mm External diameter x 2.5mm thick continuous pipe rails | Kg | 20       |      |                                |
| 87 | Extra over for flat closed end                             | No | 20       |      |                                |
| 88 | Extra over for mitred L-intersection                       | No | 20       |      |                                |
| 89 | Extra over for T-intersection                              | No | 20       |      |                                |
| 90 | Extra over for ramp or knee                                | No | 20       |      |                                |
| 91 | 51mm External diameter x 3mm thick continuous pipe rails   | Kg | 20       |      |                                |
| 92 | Extra over for flat closed end                             | No | 20       |      |                                |
|    | Carried to Collection                                      |    |          |      |                                |
|    |  |    |          |      | R                              |
|    |  |    |          |      |                                |

Section No. 2

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Metalwork

|   |   | Quantity | Rate     | Maintenance Contract<br>Amount |
|---|---|----------|----------|--------------------------------|
| 93  | Extra over for mitred L-intersection  | No       | 20       |                                |
| 94  | Extra over for T-intersection   | No       | 20       |                                |
| 95  | Extra over for ramp or knee   | No       | 20       |                                |
| 96  | Bracket of 12mm diameter bar 150mm girth, once bent at right angles and with one end welded to rail and other end with 50mm diameter x 5mm thick plate twice holed for bolts and welded on  | No       | 20       |                                |
| 97  | 8mm Expansion bolt  | No       | 20       |                                |
| 98  | 8mm Expansion anchor with loose bolt  | No       | 20       |                                |
| <b>STEEL CAT LADDER</b>                           |   |          |          |                                |
| <b>Cat ladder</b>                                 |   |          |          |                                |
| 99  | Welded cat ladder of flat section stringers, pipe rungs, including flat and angle section connections bolted to brickwork or concrete (bolts elsewhere)   | Kg       | 20       |                                |
| <b>GALVANISED STEEL CAT LADDER</b>                |   |          |          |                                |
| <b>Galvanised cat ladder</b>                      |   |          |          |                                |
| 100   | Galvanised welded cat ladder of flat section stringers, pipe rungs, including flat and angle section connections bolted to brickwork or concrete (bolts elsewhere)  | Kg       | 20       |                                |
| <b>STEEL BALUSTRADING</b>                         |   |          |          |                                |
| <b>Welded balustrading to walkways and stairs</b> |   |          |          |                                |
| 101   | Horizontal balustrading not exceeding 1200mm high to walkways flat section continuous top rail, flat section continuous bottom and intermediate rails , square section balusters and posts with flat section base plates bolted to concrete (bolts elsewhere) | Kg       | 20       |                                |
| 102   | Raking balustrading not exceeding 1200mm high to walkways flat section continuous top rail, flat section continuous bottom and intermediate rails , square section balusters and posts with flat section base plates bolted to concrete (bolts elsewhere)     | Kg       | 20       |                                |
| 103   | Raking balustrading not exceeding 1200mm high circular on plan to not exceeding 1.8m radius continuous hand rails, bottom rails and balusters with flat section footplates bolted to concrete (bolts elsewhere)   | Kg       | 20       |                                |
| Carried to Collection                             |   |          |          |                                |
| Section No. 2                                     |   |          | <b>R</b> |                                |
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| Metalwork   |   |          |          |                                |

|  |   | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---|----------|------|--------------------------------|
| 104  | 8mm Expansion bolt  | No       | 20   |                                |
| 105  | 10mm Expansion bolt   | No       | 20   |                                |
| <b>GALVANISED STEEL BALUSTRADING</b>                         |   |          |      |                                |
| <b>Galvanised welded balustrading to walkways and stairs</b> |   |          |      |                                |
| 106  | Horizontal balustrading not exceeding 1200mm high to walkways flat section continuous top rail, flat section continuous bottom and intermediate rails , square section balusters and posts with flat section base plates bolted to concrete (bolts elsewhere) | Kg       | 20   |                                |
| 107  | Raking balustrading not exceeding 1200mm high to walkways flat section continuous top rail, flat section continuous bottom and intermediate rails , square section balusters and posts with flat section base plates bolted to concrete (bolts elsewhere)     | Kg       | 20   |                                |
| 108  | Raking balustrading not exceeding 1200mm high circular on plan to not exceeding 1.8m radius continuous hand rails, bottom rails and balusters with flat section footplates bolted to concrete (bolts elsewhere)   | Kg       | 20   |                                |
| 109  | 8mm Expansion bolt  | No       | 20   |                                |
| 110  | 10mm Expansion bolt   | No       | 20   |                                |
| <b>GALVANISED STEEL FLOORS</b>                               |   |          |      |                                |
| <b>Floor duct covers</b>                                     |   |          |      |                                |
| 111  | Vastrap plate duct covers in various widths and thicknesses to suitable lengths laid loose in frames (frames elsewhere)   | Kg       | 20   |                                |
| 112  | 70 x 70 x 6mm Angle section bearers welded to frames  | Kg       | 20   |                                |
| 113  | Extra over for mitred and welded L-intersection   | No       | 20   |                                |
| 114  | 80 x 80 x 6mm Angle section frames with 40 x 4mm flat section bent lugs each 250mm girth welded on at 250mm centres including embedding in concrete   | Kg       | 20   |                                |
| 115  | Extra over for mitred and welded L-intersection   | No       | 20   |                                |
| 116  | Extra over for welded T-intersection  | No       | 20   |                                |
| Carried to Collection  |   |          |      |                                |
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| Metalwork  |   |          |      |                                |

|                                       |  |                | Quantity | Rate | Maintenance Contract<br>Amount |
|---------------------------------------|--|----------------|----------|------|--------------------------------|
| 117                                   | 10mm Expansion bolt  | No             | 20       |      |                                |
| 118                                   | 10mm Expansion anchor with loose bolt  | No             | 20       |      |                                |
| <b>Welded cat-walks in pipe ducts</b> |  |                |          |      |                                |
| 119                                   | 80 x 6mm Flat section bearers holed for bolt(s) at 250mm centres   | Kg             | 20       |      |                                |
| 120                                   | 70 x 70 x 6mm Angle section bearers holed for bolts at 300mm centres   | Kg             | 20       |      |                                |
| 121                                   | 100 x 100 x 8mm Angle section frames welded to bearers   | Kg             | 20       |      |                                |
| 122                                   | Extra over for mitred and welded L-intersection  | No             | 20       |      |                                |
| <b>STEEL GATES, SCREENS, ETC</b>      |  |                |          |      |                                |
| <b>Welded screens and gates</b>       |  |                |          |      |                                |
| 123                                   | 50 x 2,5mm Galvanised diamond mesh covering in approximately 1.2m high panels tied with 1,6mm galvanised binding wire to frames              | m <sup>2</sup> | 20       |      |                                |
| 124                                   | 50 x 2,5mm Plastic coated galvanised diamond mesh covering in approximately 2.4m high panels tied with 1,6mm plastic covered binding wire to | m <sup>2</sup> | 20       |      |                                |
| 125                                   | Expanded metal mesh covering in panels spot welded to frames   | Kg             | 20       |      |                                |
| 126                                   | 60 x 60 x 5mm L-section framing  | Kg             | 20       |      |                                |
| 127                                   | Extra over for mitred L-intersection   | No             | 20       |      |                                |
| 128                                   | Extra over for T-intersection  | No             | 20       |      |                                |
| 129                                   | 90 x 90 x 5mm Square hollow section posts, rails, etc  | Kg             | 20       |      |                                |
| 130                                   | Extra over for mitred L-intersection   | No             | 20       |      |                                |
| 131                                   | Extra over for T-intersection  | No             | 20       |      |                                |
| Carried to Collection                 |  |                |          | R    |                                |
| Section No. 2                         |  |                |          |      |                                |
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| Metalwork                             |  |                |          |      |                                |

|                       |  | Quantity | Rate     | Maintenance Contract<br>Amount |
|-----------------------|--|----------|----------|--------------------------------|
| 132                   | 50 x 50 x 3mm Square hollow section posts, rails, etc  | Kg       | 20       |                                |
| 133                   | Extra over for mitred L-intersection   | No       | 20       |                                |
| 134                   | Extra over for T-intersection  | No       | 20       |                                |
| 135                   | 89mm Diameter x 4mm thick pipe rails, posts, etc   | Kg       | 20       |                                |
| 136                   | Extra over for mitred L-intersection   | No       | 20       |                                |
| 137                   | Extra over for T-intersection  | No       | 20       |                                |
| 138                   | 76mm Diameter x 4mm thick pipe rails, posts, etc   | Kg       | 20       |                                |
| 139                   | Extra over for mitred L-intersection   | No       | 20       |                                |
| 140                   | Extra over for T-intersection  | No       | 20       |                                |
| 141                   | L-shaped cleat of 60 X 5mm flat section 200mm girth twice holed for bolts and welded on  | No       | 20       |                                |
| 142                   | 90 x 90 x 4.5mm Hollow section post 2.4m long with flat closed top end and 120 x 120 x 5mm base plate four holed for bolts and welded on   | No       | 20       |                                |
| 143                   | 8mm Expansion bolt   | No       | 20       |                                |
| 144                   | 10mm Expansion bolt  | No       | 20       |                                |
| 145                   | Single gate flat section outer frame and angle section inner frame welded to outer frame, filled in with expanded metal panel fixed all round to inner frame with angle section fixing beads | Kg       | 20       |                                |
| 146                   | Double gate flat section outer frame and angle section inner frame welded to outer frame, filled in with expanded metal panel fixed all round to inner frame with angle section fixing beads | Kg       | 20       |                                |
| Carried to Collection |  |          |          |                                |
| Section No. 2         |  |          |          |                                |
| Bill No. 11           |  |          |          |                                |
| Metalwork             |  |          |          |                                |
|                       |  |          | <b>R</b> |                                |

|   |   | Quantity       | Rate     | Maintenance Contract<br>Amount |
|---|---|----------------|----------|--------------------------------|
| <b>GALVANISED STEEL GATES, SCREENS, ETC</b> |   |                |          |                                |
| <b>Welded screens and gates</b>             |   |                |          |                                |
| 147   | 50 x 2,5mm Galvanised diamond mesh covering in approximately 1.2m high panels tied with 1,6mm galvanised binding wire to frames                     | m <sup>2</sup> | 20       |                                |
| 148   | 50 x 2,5mm Plastic coated galvanised diamond mesh covering in approximately 2.4m high panels tied with 1,6mm plastic covered binding wire to frames | m <sup>2</sup> | 20       |                                |
| 149   | Galvanised expanded metal mesh covering in panels spot welded to frames   | Kg             | 20       |                                |
| 150   | 60 x 60 x 5mm L-section framing   | Kg             | 20       |                                |
| 151   | Extra over for mitred L-intersection  | No             | 20       |                                |
| 152   | Extra over for T-intersection   | No             | 20       |                                |
| 153   | 90 x 90 x 5mm Square hollow section posts, rails, etc   | Kg             | 20       |                                |
| 154   | Extra over for mitred L-intersection  | No             | 20       |                                |
| 155   | Extra over for T-intersection   | No             | 20       |                                |
| 156   | 50 x 50 x 3mm Square hollow section posts, rails, etc   | Kg             | 20       |                                |
| 157   | Extra over for mitred L-intersection  | No             | 20       |                                |
| 158   | Extra over for T-intersection   | No             | 20       |                                |
| 159   | 89mm Diameter x 4mm thick pipe rails, posts, etc  | Kg             | 20       |                                |
| 160   | Extra over for mitred L-intersection  | No             | 20       |                                |
| 161   | Extra over for T-intersection   | No             | 20       |                                |
| Carried to Collection                       |   |                |          |                                |
| Section No. 2                               |   |                | <b>R</b> |                                |
| Bill No. 11                                 |   |                |          |                                |
| Metalwork                                   |   |                |          |                                |

|                         |  |    | Quantity | Rate | Maintenance Contract<br>Amount |
|-------------------------|--|----|----------|------|--------------------------------|
| 162                     | 76mm Diameter x 4mm thick pipe rails, posts, etc   | Kg | 20       |      |                                |
| 163                     | Extra over for mitred L-intersection   | No | 20       |      |                                |
| 164                     | Extra over for T-intersection  | No | 20       |      |                                |
| 165                     | L-shaped cleat of 60 X 5mm flat section 200mm girth twice holed for bolts and welded on  | No | 20       |      |                                |
| 166                     | 90 x 90 x 4.5mm Hollow section post 2.4m long with flat closed top end and 120 x 120 x 5mm base plate four holed for bolts and welded on   | No | 20       |      |                                |
| 167                     | 8mm Expansion bolt   | No | 20       |      |                                |
| 168                     | 10mm Expansion bolt  | No | 20       |      |                                |
| 169                     | Single gate of flat section outer frame and angle section inner frame welded to outer frame, filled in with expanded metal panel fixed all round to inner frame with angle section fixing bead | Kg | 20       |      |                                |
| 170                     | Double gate flat section outer frame and angle section inner frame welded to outer frame, filled in with expanded metal panel fixed all round to inner frame with angle section fixing beads   | Kg | 20       |      |                                |
| <b>STEEL MINOR WORK</b> |  |    |          |      |                                |
| <b>Bolts</b>            |  |    |          |      |                                |
| 171                     | Bolts  | Kg | 20       |      |                                |
| 172                     | 6mm Expansion bolt   | No | 20       |      |                                |
| 173                     | 8mm Expansion bolt   | No | 20       |      |                                |
| 174                     | 10mm Expansion bolt  | No | 20       |      |                                |
| 175                     | 12mm Expansion bolt  | No | 20       |      |                                |
| Carried to Collection   |  |    |          | R    |                                |
| Section No. 2           |  |    |          |      |                                |
| Bill No. 11             |  |    |          |      |                                |
| Metalwork               |  |    |          |      |                                |

|                                    |   | Quantity | Rate | Maintenance Contract<br>Amount |
|------------------------------------|---|----------|------|--------------------------------|
| 176                                | 8mm Expansion anchor with loose bolt  | No       | 20   |                                |
| 177                                | 10mm Expansion anchor with loose bolt   | No       | 20   |                                |
| 178                                | 12mm Expansion anchor with loose bolt   | No       | 20   |                                |
| 179                                | 8mm Chemical anchor with loose bolt   | No       | 20   |                                |
| 180                                | 10mm Chemical anchor with loose bolt  | No       | 20   |                                |
| 181                                | 12mm Chemical anchor with loose bolt  | No       | 20   |                                |
| <b>Corner protectors</b>           |   |          |      |                                |
| 182                                | 100 x 50mm x 11kg/m Channel section corner protectors in varying lengths with flat section lugs welded on including embedding in concrete   | Kg       | 20   |                                |
| 183                                | 100 x 50mm x 11kg/m Channel section corner protectors, circular on plan to not exceeding 1m radius, in varying lengths with flat section lugs welded on including embedding in concrete | Kg       | 20   |                                |
| 184                                | Extra over for mitred and welded L-intersection   | No       | 20   |                                |
| 185                                | 100 x 100 x 8mm Angle section corner protectors in varying lengths with flat section lugs welded on including embedding in concrete   | Kg       | 20   |                                |
| 186                                | 100 x 100 x 8mm Angle section corner protectors, circular on plan to not exceeding 1m radius, in varying lengths with flat section lugs welded on including embedding in concrete       | Kg       | 20   |                                |
| 187                                | Extra over for mitred and welded L-intersection   | No       | 20   |                                |
| <b>GALVANISED STEEL MINOR WORK</b> |   |          |      |                                |
| 188                                | Galvanised bolts  | Kg       | 20   |                                |
| 189                                | 6mm Expansion bolt  | No       | 20   |                                |
| Carried to Collection              |   |          |      |                                |
| Section No. 2                      |   |          | R    |                                |
| Bill No. 11                        |   |          |      |                                |
| Metalwork                          |   |          |      |                                |



|                          |  | Quantity | Rate | Maintenance Contract<br>Amount |
|--------------------------|--|----------|------|--------------------------------|
| <b>STEEL FLOORS</b>      |  |          |      |                                |
| <b>Floor duct covers</b> |  |          |      |                                |
| 205                      | Vastrap plate duct covers in varying thicknesses, lengths and widths laid loose in frames (frames elsewhere)     | Kg       | 20   |                                |
| 206                      | Angle section frames with flat section lugs welded on including embedding in concrete                            | Kg       | 20   |                                |
| 207                      | Extra over for mitred and welded L-intersection  | No       | 20   |                                |
| 208                      | Extra over for welded T-intersection   | No       | 20   |                                |
| 209                      | 25mm Diameter finger hole through not exceeding 10mm steel   | No       | 20   |                                |
| 210                      | 8mm Expansion bolt   | No       | 20   |                                |
| 211                      | 10mm Expansion bolt  | No       | 20   |                                |
| <b>Welded cat-walks</b>  |  |          |      |                                |
| 212                      | Flat section bearers   | Kg       | 20   |                                |
| 213                      | Angle section bearers  | Kg       | 20   |                                |
| 214                      | Extra over for mitred and welded L-intersection  | No       | 20   |                                |
| 215                      | Expanded metal mesh floors in varying lengths, widths and thicknesses in panels spot welded to framing           | Kg       | 20   |                                |
| 216                      | Non slip raised dimple grille floors in varying lengths, widths and thicknesses in panels spot welded to framing | Kg       | 20   |                                |
| 217                      | Hole through not exceeding 10mm steel for bolt   | No       | 20   |                                |
| Carried to Collection    |  |          |      | R                              |
| Section No. 2            |  |          |      |                                |
| Bill No. 11              |  |          |      |                                |
| Metalwork                |  |          |      |                                |

|  |  |    | Quantity | Rate     | Maintenance Contract<br>Amount |
|--|--|----|----------|----------|--------------------------------|
| <b>PRESSED STEEL DOOR FRAMES</b>   |  |    |          |          |                                |
| <b>1,2mm Rebated frames suitable for half brick walls including one pair 100mm steel butt hinges per door leaf</b> |  |    |          |          |                                |
| 218  | Frame for door 762 x 2032mm high   | No | 20       |          |                                |
| 219  | Frame for door 813 x 2032mm high   | No | 20       |          |                                |
| 220  | Frame for double door 1511 x 2032mm high   | No | 20       |          |                                |
| 221  | Frame for door 813 x 2032mm high and fixed fanlight 350mm high   | No | 20       |          |                                |
| 222  | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high   | No | 20       |          |                                |
| 223  | Frame for door 813 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight         | No | 20       |          |                                |
| 224  | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight | No | 20       |          |                                |
| <b>1,2mm Double rebated frames suitable for one brick walls including one pair steel butt hinges per leaf</b>      |  |    |          |          |                                |
| 225  | Frame for door 813 x 2032mm high   | No | 20       |          |                                |
| 226  | Frame for double door 1511 x 2032mm high   | No | 20       |          |                                |
| 227  | Frame for door 813 x 2032mm high and fixed fanlight 350mm high   | No | 20       |          |                                |
| 228  | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high   | No | 20       |          |                                |
| 229  | Frame for door 813 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight         | No | 20       |          |                                |
| 230  | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight | No | 20       |          |                                |
| 231  | Frame for door 813 x 2032mm high and hinged fanlight 350mm high  | No | 20       |          |                                |
| Carried to Collection  |  |    |          |          |                                |
| Section No. 2  |  |    |          |          |                                |
| Bill No. 11  |  |    |          |          |                                |
| Metalwork  |  |    |          |          |                                |
|  |  |    |          | <b>R</b> |                                |

|     |  | Quantity | Rate | Maintenance Contract<br>Amount |
|-----|--|----------|------|--------------------------------|
| 232 | Frame for double door 1511 x 2032mm high and hinged fanlight 350mm high<br>No  | 20       |      |                                |
|     | <b>1,2mm Double rebated frames suitable for half brick walls including one pair steel butt hinges per door leaf</b>                            |          |      |                                |
| 233 | Frame for door 762 x 2032mm high<br>No   | 20       |      |                                |
| 234 | Frame for door 813 x 2032mm high<br>No   | 20       |      |                                |
| 235 | Frame for double door 1511 x 2032mm high<br>No   | 20       |      |                                |
| 236 | Frame for door 813 x 2032mm high and fixed fanlight 350mm high<br>No   | 20       |      |                                |
| 237 | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high<br>No   | 20       |      |                                |
| 238 | Frame for door 813 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight<br>No         | 20       |      |                                |
| 239 | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight<br>No | 20       |      |                                |
| 240 | Frame for door 813 x 2032mm high and hinged fanlight 350mm high<br>No  | 20       |      |                                |
| 241 | Frame for double door 1511 x 2032mm high and hinged fanlight 350mm high<br>No  | 20       |      |                                |
|     | <b>1,6mm Rebated frames suitable for one brick walls including one pair steel butt hinges per door leaf</b>                                    |          |      |                                |
| 242 | Frame for door 813 x 2032mm high<br>No   | 20       |      |                                |
| 243 | Frame for double door 1511 x 2032mm high<br>No   | 20       |      |                                |
| 244 | Frame for door 813 x 2032mm high and fixed fanlight 350mm high<br>No   | 20       |      |                                |
| 245 | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high<br>No   | 20       |      |                                |
| 246 | Frame for door 813 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight<br>No         | 20       |      |                                |
|     | Carried to Collection  |          | R    |                                |
|     | Section No. 2  |          |      |                                |
|     | Bill No. 11  |          |      |                                |
|     | Metalwork  |          |      |                                |

|  |  | Quantity | Rate | Maintenance Contract<br>Amount |
|--|--|----------|------|--------------------------------|
| 247  | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight | No<br>20 |      |                                |
| 248  | Frame for door 813 x 2032mm high and hinged fanlight 350mm high  | No<br>20 |      |                                |
| 249  | Frame for double door 1511 x 2032mm high and hinged fanlight 350mm high  | No<br>20 |      |                                |
| <b>Sundries</b>  |  |          |      |                                |
| 250  | Extra over 100mm steel hinges for 100mm brass butt hinges  | No<br>20 |      |                                |
| <b>Preparation of frames for fixing of ironmongery</b>   |  |          |      |                                |
| 251  | Arm of door closer   | No<br>20 |      |                                |
| <b>GALVANISED PRESSED STEEL DOOR FRAMES</b>  |  |          |      |                                |
| <b>1,2mm Rebated frames suitable for half brick walls including one pair 100mm steel butt hinges per door leaf</b> |  |          |      |                                |
| 252  | Frame for door 762 x 2032mm high   | No<br>20 |      |                                |
| 253  | Frame for door 813 x 2032mm high   | No<br>20 |      |                                |
| 254  | Frame for double door 1511 x 2032mm high   | No<br>20 |      |                                |
| 255  | Frame for door 813 x 2032mm high and fixed fanlight 350mm high   | No<br>20 |      |                                |
| 256  | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high   | No<br>20 |      |                                |
| 257  | Frame for door 813 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight         | No<br>20 |      |                                |
| 258  | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight | No<br>20 |      |                                |
| <b>1,2mm Double rebated frames suitable for one brick walls including one pair steel butt hinges per leaf</b>      |  |          |      |                                |
| 259  | Frame for door 813 x 2032mm high   | No<br>20 |      |                                |
| Carried to Collection  |  |          | R    |                                |
| Section No. 2  |  |          |      |                                |
| Bill No. 11  |  |          |      |                                |
| Metalwork  |  |          |      |                                |

|     |  | Quantity | Rate | Maintenance Contract<br>Amount |
|-----|--|----------|------|--------------------------------|
| 260 | Frame for double door 1511 x 2032mm high   | No       | 20   |                                |
| 261 | Frame for door 813 x 2032mm high and fixed fanlight 350mm high   | No       | 20   |                                |
| 262 | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high   | No       | 20   |                                |
| 263 | Frame for door 813 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight         | No       | 20   |                                |
| 264 | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight | No       | 20   |                                |
| 265 | Frame for door 813 x 2032mm high and hinged fanlight 350mm high  | No       | 20   |                                |
| 266 | Frame for double door 1511 x 2032mm high and hinged fanlight 350mm high  | No       | 20   |                                |
|     | <b>1,2mm Double rebated frames suitable for half brick walls including one pair steel butt hinges per door leaf</b>                      |          |      |                                |
| 267 | Frame for door 762 x 2032mm high   | No       | 20   |                                |
| 268 | Frame for door 813 x 2032mm high   | No       | 20   |                                |
| 269 | Frame for double door 1511 x 2032mm high   | No       | 20   |                                |
| 270 | Frame for door 813 x 2032mm high and fixed fanlight 350mm high   | No       | 20   |                                |
| 271 | Frame for double door 1511 x 2032mm high and hinged fanlight 350mm high  | No       | 20   |                                |
| 272 | Frame for door 813 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight         | No       | 20   |                                |
| 273 | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight | No       | 20   |                                |
| 274 | Frame for door 813 x 2032mm high and hinged fanlight 350mm high  | No       | 20   |                                |
|     | Carried to Collection  |          |      | R                              |
|     | Section No. 2  |          |      |                                |
|     | Bill No. 11  |          |      |                                |
|     | Metalwork  |          |      |                                |

|   |   | Quantity | Rate | Maintenance Contract<br>Amount |
|---|---|----------|------|--------------------------------|
| 275   | Frame for double door 1511 x 2032mm high and hinged fanlight 350mm high<br>No   | 20       |      |                                |
| <b>1,6mm Rebated frames suitable for one brick walls including one pair steel butt hinges per door leaf</b> |   |          |      |                                |
| 276   | Frame for door 813 x 2032mm high<br>No  | 20       |      |                                |
| 277   | Frame for double door 1511 x 2032mm high<br>No  | 20       |      |                                |
| 278   | Frame for door 813 x 2032mm high and fixed fanlight 350mm high<br>No  | 20       |      |                                |
| 279   | Frame for double door 1511 x 2032mm high and fixed fanlight 350mm high<br>No  | 20       |      |                                |
| 280   | Frame for door 813 x 2032mm high and fixed fanlight 350mm high with standard pressed steel glazing beads on one side of fanlight<br>No          | 20       |      |                                |
| 281   | Frame for door 813 x 2032mm high and hinged fanlight 350mm high<br>No   | 20       |      |                                |
| 282   | Frame for double door 1511 x 2032mm high and fixed fanlight ?350mm high with standard pressed steel glazing beads on one side of fanlight<br>No | 20       |      |                                |
| 283   | Frame for double door 1511 x 2032mm high and hinged fanlight 350mm high<br>No   | 20       |      |                                |
| <b>Sundries</b>   |   |          |      |                                |
| 284   | Extra over 100mm steel hinges for 100mm brass butt hinges<br>No   | 20       |      |                                |
| <b>Preparation of frames for fixing of ironmongery</b>  |   |          |      |                                |
| 285   | Arm of door closer<br>No  | 20       |      |                                |
| <b>GALVANISED PRESSED STEEL TRANSFORMER ROOM DOORS AND FRAMES</b>   |   |          |      |                                |
| Ethekwini type (Refer to Ethekwini Electrical Department Standard Drawings)                                 |   |          |      |                                |
| <b>1.6mm Galvanised steel doors including rebated frame and ironmongery complete to suit one brick wall</b> |   |          |      |                                |
| 286   | 1050 x 2400mm High door (D1 - fully slatted)<br>No  | 20       |      |                                |
| 287   | 1600 x 2400mm High door (D3 - fully slatted)<br>No  | 20       |      |                                |
| Carried to Collection   |   |          | R    |                                |
| Section No. 2   |   |          |      |                                |
| Bill No. 11   |   |          |      |                                |
| Metalwork   |   |          |      |                                |

|   |   | Quantity | Rate     | Maintenance Contract<br>Amount |
|---|---|----------|----------|--------------------------------|
| <b>PRESSED STEEL GARAGE DOORS</b>                     |   |          |          |                                |
| <b>Tip - up doors fixed to brickwork or concrete</b>  |   |          |          |                                |
| 288   | Galvanised Zinalume door for 2400 x 2100mm high opening                   | No       | 10       |                                |
| 289   | Galvanised Zinalume door for 4800 x 2100mm high opening                   | No       | 10       |                                |
| <b>Roll - up doors fixed to brickwork or concrete</b> |   |          |          |                                |
| 290   | Galvanised Zinalume door for 2400 x 2100mm high opening                   | No       | 10       |                                |
| 291   | Galvanised Zinalume door for 4800 x 2100mm high opening                   | No       | 10       |                                |
| <b>PRESSED STEEL ROLL - UP DOORS</b>                  |   |          |          |                                |
| 292   | Manually operated galvanised zinalume door for 2400 x 3000mm high opening | No       | 10       |                                |
| 293   | Manually operated galvanised zinalume door for 3000 x 3000mm high opening | No       | 10       |                                |
| 294   | Manually operated galvanised zinalume door for 4000 x 4000mm high opening | No       | 10       |                                |
| <b>STEEL WINDOWS, DOORS, ETC</b>                      |   |          |          |                                |
| References are as per Caspeco Windows Catalogue       |   |          |          |                                |
| <b>Standard residential section windows</b>           |   |          |          |                                |
| 295   | Window type NE1 533 x 652mm high  | No       | 10       |                                |
| 296   | Window type NEX7 1022 x 652mm high  | No       | 10       |                                |
| 297   | Window type NE4 1511 x 652mm high   | No       | 10       |                                |
| 298   | Window type NE11 2000 x 652mm high  | No       | 10       |                                |
| 299   | Window type NC2 1022 x 949mm high   | No       | 10       |                                |
| 300   | Window type NC4 1511 x 949mm high   | No       | 10       |                                |
| 301   | Window type NC11 2000 x 949mm high  | No       | 10       |                                |
| Carried to Collection                                 |   |          |          |                                |
| Section No. 2   |   |          | <b>R</b> |                                |
| Bill No. 11   |   |          |          |                                |
| Metalwork   |   |          |          |                                |

|  |                                       | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---------------------------------------|----------|------|--------------------------------|
| 302  | Window type ND2 1022 x 1245mm high    | No       | 10   |                                |
| 303  | Window type ND4 1511 x 1245mm high    | No       | 10   |                                |
| 304  | Window type ND11 2000 x 1245mm high   | No       | 10   |                                |
| 305  | Window type ND57 1022 x 1540mm high   | No       | 10   |                                |
| 306  | Window type ND54F 1511 x 1540mm high  | No       | 10   |                                |
| 307  | Window type ND511F 2000 x 1540mm high | No       | 10   |                                |
| <b>Standard school windows</b>   |                                       |          |      |                                |
| References are as per Steel Doors and Frames Manufacturers' Catalogue (Sagewise 24 cc) |                                       |          |      |                                |
| 308  | Window type 3-HCH 889 x 457mm high    | No       | 10   |                                |
| 309  | Window type 1-HCH 1143 x 457mm high   | No       | 10   |                                |
| 310  | Window type 14-BH 889 x 854mm high    | No       | 10   |                                |
| 311  | Window type 12-BH 1143 x 854mm high   | No       | 10   |                                |
| 312  | Coupling transom 889mm long           | No       | 10   |                                |
| 313  | Coupling transom 1143mm long          | No       | 10   |                                |
| 314  | Coupling mullion 457mm long           | No       | 10   |                                |
| 315  | Coupling mullion 854mm long           | No       | 10   |                                |
| <b>Standard industrial windows</b>   |                                       |          |      |                                |
| 316  | Window type SS21 673 x 511mm high     | No       | 10   |                                |
| Carried to Collection  |                                       |          |      | R                              |
| Section No. 2  |                                       |          |      |                                |
| Bill No. 11  |                                       |          |      |                                |
| Metalwork  |                                       |          |      |                                |

|     |  | Quantity | Rate | Maintenance Contract<br>Amount |
|-----|--|----------|------|--------------------------------|
| 317 | Window type SS31 987 x 511mm high                                      | No       | 10   |                                |
| 318 | Window type SS22 673 x 978mm high                                      | No       | 10   |                                |
| 319 | Window type SS32 987 x 978mm high                                      | No       | 10   |                                |
| 320 | Window type SS42 1302 x 978mm high                                     | No       | 10   |                                |
| 321 | Window type SS23 673 x 1445mm high                                     | No       | 10   |                                |
| 322 | Window type SS33 987 x 1445mm high                                     | No       | 10   |                                |
| 323 | Window type SS43 1302 x 1445mm high                                    | No       | 10   |                                |
| 324 | Coupling mullion 511mm long  | No       | 10   |                                |
| 325 | Coupling mullion 978mm long  | No       | 10   |                                |
| 326 | Coupling mullion 1445mm long   | No       | 10   |                                |
| 327 | Coupling transom 673mm long  | No       | 10   |                                |
| 328 | Coupling transom 987mm long  | No       | 10   |                                |
| 329 | Coupling transom 1302mm long   | No       | 10   |                                |
|     | <b>Standard industrial windows with burglar bars to opening sashes</b> |          |      |                                |
| 330 | Window type SS21 673 x 511mm high                                      | No       | 10   |                                |
| 331 | Window type SS31 987 x 511mm high                                      | No       | 10   |                                |
| 332 | Window type SS22 673 x 978mm high                                      | No       | 10   |                                |
|     | Carried to Collection  |          |      | R                              |
|     | Section No. 2  |          |      |                                |
|     | Bill No. 11  |          |      |                                |
|     | Metalwork  |          |      |                                |

|  |  | Quantity | Rate | Maintenance Contract<br>Amount |
|--|--|----------|------|--------------------------------|
| 333  | Window type SS32 987 x 978mm high        | No       | 10   |                                |
| 334  | Window type SS42 1302 x 978mm high       | No       | 10   |                                |
| 335  | Window type SS23 673 x 1445mm high       | No       | 10   |                                |
| 336  | Window type SS33 987 x 1445mm high       | No       | 10   |                                |
| 337  | Window type SS43 1302 x 1445mm high      | No       | 10   |                                |
| <b>Standard medium universal doors, sidelights, fanlights, etc</b> |  |          |      |                                |
| 338  | Sidelight type NSDA 610 x 2134mm high    | No       | 10   |                                |
| 339  | Sidelight type SDAH 610 x 2134mm high    | No       | 10   |                                |
| 340  | Sidelight type SDA 610 x 2134mm high     | No       | 10   |                                |
| 341  | Sidelight type NSDAS 800 x 2134mm high   | No       | 10   |                                |
| 342  | Sidelight type SDASH 800 x 2134mm high   | No       | 10   |                                |
| 343  | Sidelight type SDAS 800 x 2134mm high    | No       | 10   |                                |
| 344  | Sidelight type NDSDDA 1511 x 2134mm high | No       | 10   |                                |
| 345  | Sidelight type DSDDAH 1511 x 2134mm high | No       | 10   |                                |
| 346  | Sidelight type DSDDA 1511 x 2134mm high  | No       | 10   |                                |
| 347  | Door type NSDAS 800 x 2134mm high        | No       | 10   |                                |
| 348  | Door type DASH 800 x 2134mm high         | No       | 10   |                                |
| Carried to Collection  |  |          |      | R                              |
| Section No. 2  |  |          |      |                                |
| Bill No. 11  |  |          |      |                                |
| Metalwork  |  |          |      |                                |

|  |  | Quantity | Rate                  | Maintenance Contract<br>Amount |
|--|--|----------|-----------------------|--------------------------------|
| 349  | Door type DAS 800 x 2134mm high          | No       | 10                    |                                |
| 350  | Double door type NADA 1022 x 2134mm high | No       | 10                    |                                |
| 351  | Double door type ADAH 1022 x 2134mm high | No       | 10                    |                                |
| 352  | Double door type ADA 1022 x 2134mm high  | No       | 10                    |                                |
| 353  | Double door type NDDA 1511 x 2134mm high | No       | 10                    |                                |
| 354  | Double door type DDAH 1511 x 2134mm high | No       | 10                    |                                |
| 355  | Double door type DDA 1511 x 2134mm high  | No       | 10                    |                                |
| 356  | Coupling mullion 2134mm long             | No       | 10                    |                                |
| <b>GALVANISED STEEL WINDOWS, DOORS, ETC</b>            |  |          |                       |                                |
| <b>Galvanised Standard residential section windows</b> |  |          |                       |                                |
| 357  | Window type NE1 533 x 652mm high         | No       | 10                    |                                |
| 358  | Window type NEX7 1022 x 652mm high       | No       | 10                    |                                |
| 359  | Window type NE4 1511 x 652mm high        | No       | 10                    |                                |
| 360  | Window type NE11 2000 x 652mm high       | No       | 10                    |                                |
| 361  | Window type NC2 1022 x 949mm high        | No       | 10                    |                                |
| 362  | Window type NC11 2000 x 949mm high       | No       | 10                    |                                |
| 363  | Window type NC4 1511 x 949mm high        | No       | 10                    |                                |
| 364  | Window type ND2 1022 x 1245mm high       | No       | 10                    |                                |
|  |  |          | Carried to Collection | R                              |
| Section No. 2  |  |          |                       |                                |
| Bill No. 11  |  |          |                       |                                |
| Metalwork  |  |          |                       |                                |



|     |   | Quantity | Rate | Maintenance Contract<br>Amount |
|-----|---|----------|------|--------------------------------|
| 381 | Window type SS32 987 x 978mm high   | No       | 10   |                                |
| 382 | Window type SS42 1302 x 978mm high  | No       | 10   |                                |
| 383 | Window type SS23 673 x 1445mm high  | No       | 10   |                                |
| 384 | Window type SS33 987 x 1445mm high  | No       | 10   |                                |
| 385 | Window type SS43 1302 x 1445mm high   | No       | 10   |                                |
| 386 | Coupling mullion 511mm long   | No       | 10   |                                |
| 387 | Coupling mullion 978mm long   | No       | 10   |                                |
| 388 | Coupling mullion 1445mm long  | No       | 10   |                                |
| 389 | Coupling transom 673mm long   | No       | 10   |                                |
| 390 | Coupling transom 987mm long   | No       | 10   |                                |
| 391 | Coupling transom 1302mm long  | No       | 10   |                                |
|     | <b>Galvanised Standard industrial windows with burglar bars to opening sashes</b> |          |      |                                |
| 392 | Window type SS21 673 x 511mm high   | No       | 10   |                                |
| 393 | Window type SS31 987 x 511mm high   | No       | 10   |                                |
| 394 | Window type SS22 673 x 978mm high   | No       | 10   |                                |
| 395 | Window type SS32 987 x 978mm high   | No       | 10   |                                |
| 396 | Window type SS42 1302 x 978mm high  | No       | 10   |                                |
|     | Carried to Collection   |          |      | R                              |
|     | Section No. 2   |          |      |                                |
|     | Bill No. 11   |          |      |                                |
|     | Metalwork   |          |      |                                |

|   |  | Quantity | Rate     | Maintenance Contract<br>Amount |
|---|--|----------|----------|--------------------------------|
| 397   | Window type SS23 673 x 1445mm high       | No       | 10       |                                |
| 398   | Window type SS33 987 x 1445mm high       | No       | 10       |                                |
| 399   | Window type SS43 1302 x 1445mm high      | No       | 10       |                                |
| <b>Galvanised Standard medium universal doors, sidelights, fanlights, etc</b> |  |          |          |                                |
| 400   | Sidelight type NSDA 610 x 2134mm high    | No       | 10       |                                |
| 401   | Sidelight type SDAH 610 x 2134mm high    | No       | 10       |                                |
| 402   | Sidelight type SDA 610 x 2134mm high     | No       | 10       |                                |
| 403   | Sidelight type NSDAS 800 x 2134mm high   | No       | 10       |                                |
| 404   | Sidelight type SDASH 800 x 2134mm high   | No       | 10       |                                |
| 405   | Sidelight type SDAS 800 x 2134mm high    | No       | 10       |                                |
| 406   | Sidelight type NDSDDA 1511 x 2134mm high | No       | 10       |                                |
| 407   | Sidelight type DSDDAH 1511 x 2134mm high | No       | 10       |                                |
| 408   | Sidelight type DSDDA 1511 x 2134mm high  | No       | 10       |                                |
| 409   | Door type NSDAS 800 x 2134mm high        | No       | 10       |                                |
| 410   | Door type DASH 800 x 2134mm high         | No       | 10       |                                |
| 411   | Door type DAS 800 x 2134mm high          | No       | 10       |                                |
| 412   | Double door type NADA 1022 x 2134mm high | No       | 10       |                                |
| Carried to Collection   |  |          |          |                                |
| Section No. 2   |  |          |          |                                |
| Bill No. 11   |  |          |          |                                |
| Metalwork   |  |          |          |                                |
|   |  |          | <b>R</b> |                                |

|  |  | Quantity | Rate     | Maintenance Contract<br>Amount |
|--|--|----------|----------|--------------------------------|
| 413  | Double door type ADAH 1022 x 2134mm high   | No       | 10       |                                |
| 414  | Double door type ADA 1022 x 2134mm high  | No       | 10       |                                |
| 415  | Double door type NDDA 1511 x 2134mm high   | No       | 10       |                                |
| 416  | Double door type DDAH 1511 x 2134mm high   | No       | 10       |                                |
| 417  | Double door type DDA 1511 x 2134mm high  | No       | 10       |                                |
| 418  | Coupling mullion 2134mm long   | No       | 10       |                                |
| <b>STEEL ROLLER SHUTTERS ETC</b>   |  |          |          |                                |
| <b>Galvanised steel roller shutters with 76mm slats (18kg/m<sup>2</sup>), fixed to brickwork or concrete</b> |  |          |          |                                |
| 419  | Manual push-up slatted roller shutter for 2400 x 3000mm high opening   | No       | 5        |                                |
| 420  | Chain operated slatted roller shutter for 4000 x 4000mm high opening   | No       | 5        |                                |
| 421  | Side fixed crank operated slatted roller shutter for 5000 x 5000mm high  | No       | 5        |                                |
| 422  | Manual push up class B fire resistant slatted roller shutter for 3000 x 4000mm high opening, with fusible link | No       | 5        |                                |
| 423  | Manual push up class B fire resistant slatted roller shutter for 4 x 4mm high opening, with fusible link       | No       | 5        |                                |
| <b>STEEL RECORDROOM AND STRONGROOM DOORS, VENTILATORS, ETC</b>   |  |          |          |                                |
| <b>Record room or strong room doors etc suitable for 230mm walls fixed to brickwork or concrete</b>          |  |          |          |                                |
| 424  | Single ended record room or strong room ventilator   | No       | 5        |                                |
| 425  | Double ended record room or strong room ventilator   | No       | 5        |                                |
| 426  | Record room door and frame 749 x 1854mm high overall with a mass of 280kg                                      | No       | 5        |                                |
| Carried to Collection  |  |          |          |                                |
| Section No. 2  |  |          | <b>R</b> |                                |
| Bill No. 11  |  |          |          |                                |
| Metalwork  |  |          |          |                                |

|  |  | Quantity | Rate | Maintenance Contract<br>Amount |
|--|--|----------|------|--------------------------------|
| <b>ALUMINIUM WINDOWS</b>   |  |          |      |                                |
| Windows to be manufactured and glazed in accordance with AAAMSA requirements carried out by SAGGA accredited installers                          |  |          |      |                                |
| References are as per Caspeco Windows Catalogue  |  |          |      |                                |
| <b>Natural anodised top or side hung windows, complete with sub frames, ironmongery, glass, sealing, etc and fixing to brickwork or concrete</b> |  |          |      |                                |
| 427  | Standard window type PT66 600 x 600mm high     | No       | 10   |                                |
| 428  | Standard window type PT96 900 x 600mm high     | No       | 10   |                                |
| 429  | Standard window type PT126 1200 x 600mm high   | No       | 10   |                                |
| 430  | Standard window type PT186 1800 x 600mm high   | No       | 10   |                                |
| 431  | Standard window type PT216 2100 x 600mm high   | No       | 10   |                                |
| 432  | Standard window type PT246 2400 x 600mm high   | No       | 10   |                                |
| 433  | Standard window type PT99 900 x 900mm high     | No       | 10   |                                |
| 434  | Standard window type PT159 1500 x 900mm high   | No       | 10   |                                |
| 435  | Standard window type PT189 1800 x 900mm high   | No       | 10   |                                |
| 436  | Standard window type PT219 2100 x 900mm high   | No       | 10   |                                |
| 437  | Standard window type PT249 2400 x 900mm high   | No       | 10   |                                |
| 438  | Standard window type PT912 900 x 1200mm high   | No       | 10   |                                |
| 439  | Standard window type PT1812 1800 x 1200mm high | No       | 10   |                                |
| 440  | Standard window type PT2412 2400 x 1200mm high | No       | 10   |                                |
| 441  | Standard window type PTT615 600 x 1500mm high  | No       | 10   |                                |
| Carried to Collection  |  |          |      |                                |
| Section No. 2  |  |          | R    |                                |
| Bill No. 11  |  |          |      |                                |
| Metalwork  |  |          |      |                                |

|     |   | Quantity | Rate | Maintenance Contract<br>Amount |
|-----|---|----------|------|--------------------------------|
| 442 | Standard window type PTT1215 1200 x 1500mm high   | No       | 10   |                                |
| 443 | Standard window type PTT2415 2400 x 1500mm high   | No       | 10   |                                |
| 444 | Standard window type PS69 600 x 900mm high  | No       | 10   |                                |
| 445 | Standard window type PS129 1200 x 900mm high  | No       | 10   |                                |
| 446 | Standard window type PS189 1800 x 900mm high  | No       | 10   |                                |
| 447 | Standard window type PS249 2400 x 900mm high  | No       | 10   |                                |
| 448 | Standard window type PS912 900 x 1200mm high  | No       | 10   |                                |
| 449 | Standard window type PS1812 1800 x 1200mm high  | No       | 10   |                                |
| 450 | Standard window type PS1215 1200 x 1500mm high  | No       | 10   |                                |
| 451 | Standard window type PS2115 2100 x 1500mm high  | No       | 10   |                                |
| 452 | Standard window type PS1218 1200 x 1800mm high  | No       | 10   |                                |
| 453 | Standard window type PS1518 1500 x 1800mm high  | No       | 10   |                                |
| 454 | Standard window type PS2118 2100 x 1800mm high  | No       | 10   |                                |
|     | <b>Powder coated top or side hung windows, complete with sub frames, ironmongery, glass, sealing, etc and fixing to brickwork or concrete</b> |          |      |                                |
| 455 | Standard window type PT66 600 x 600mm high  | No       | 10   |                                |
| 456 | Standard window type PT96 900 x 600mm high  | No       | 10   |                                |
| 457 | Standard window type PT216 2100 x 600mm high  | No       | 10   |                                |
|     | Carried to Collection   |          |      | R                              |
|     | Section No. 2   |          |      |                                |
|     | Bill No. 11   |          |      |                                |
|     | Metalwork   |          |      |                                |



|  |   | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---|----------|------|--------------------------------|
| 475  | Standard window type PS249 2400 x 900mm high  | No       | 10   |                                |
| 476  | Standard window type PS912 900 x 1200mm high  | No       | 10   |                                |
| 477  | Standard window type PS1812 1800 x 1200mm high  | No       | 10   |                                |
| 478  | Standard window type PS1215 1200 x 1500mm high  | No       | 10   |                                |
| 479  | Standard window type PS2115 2100 x 1500mm high  | No       | 10   |                                |
| 480  | Standard window type PS1218 1200 x 1800mm high  | No       | 10   |                                |
| 481  | Standard window type PS1518 1500 x 1800mm high  | No       | 10   |                                |
| 482  | Standard window type PS2118 2100 x 1800mm high  | No       | 10   |                                |
| <b>ALUMINIUM DOORS, SLIDING DOORS ETC</b>  |   |          |      |                                |
| <b>Natural anodised sliding doors as described below, complete with sub frames, ironmongery, glass, sealing, etc and fixing to brickwork or concrete</b> |   |          |      |                                |
| 483  | Door 850 x 2100mm high  | No       | 10   |                                |
| 484  | Door and fanlight 850 x 2400mm high   | No       | 10   |                                |
| 485  | Double door 1600 x 2100mm high in two equal leaves  | No       | 10   |                                |
| 486  | Double door and fanlight 1600 x 2400mm high in two equal leaves and fanlight in two equal fixed panes | No       | 10   |                                |
| 487  | Sliding door 1800 x 2100mm high in one sliding and one fixed panes                                    | No       | 10   |                                |
| 488  | Sliding door 2400 x 2100mm high in three sections, one sliding and two equal fixed panes              | No       | 10   |                                |
| 489  | Sliding door 3000 x 2100mm high in three sections, one sliding and two equal fixed panes              | No       | 10   |                                |
| Carried to Collection  |   |          |      |                                |
| Section No. 2  |   |          | R    |                                |
| Bill No. 11  |   |          |      |                                |
| Metalwork  |   |          |      |                                |

|   |   | Quantity | Rate | Maintenance Contract<br>Amount |
|---|---|----------|------|--------------------------------|
| 490   | Sliding door 3000 x 2400mm high in three sections, one sliding and two equal fixed panes<br>No              | 10       |      |                                |
| 491   | Sliding folding bi-parting door 6000 x 2100mm high in eight equal sections<br>No                            | 10       |      |                                |
| 492   | Sliding folding bi-parting door 6000 x 2400mm high in eight equal sections<br>No                            | 10       |      |                                |
| 493   | Sliding folding door 6000 x 2100mm high in eight equal sections to stack at one end<br>No                   | 10       |      |                                |
| 494   | Sliding folding door 6000 x 2400mm high in eight equal sections to stack at one end<br>No                   | 10       |      |                                |
| <b>Powder coated sliding doors as described below, complete with sub frames, ironmongery, glass, sealing, etc and fixing to brickwork or concrete</b> |   |          |      |                                |
| 495   | Door 850 x 2100mm high<br>No  | 10       |      |                                |
| 496   | Door and fanlight 850 x 2400mm high<br>No   | 10       |      |                                |
| 497   | Double door and fanlight 1600 x 2400mm high in two equal leaves and fanlight in two equal fixed panes<br>No | 10       |      |                                |
| 498   | Double door 1600 x 2100mm high in two equal leaves<br>No  | 10       |      |                                |
| 499   | Sliding door 1800 x 2100mm high in one sliding and one fixed panes<br>No                                    | 10       |      |                                |
| 500   | Sliding door 2400 x 2100mm high in three sections, one sliding and two equal fixed panes<br>No              | 10       |      |                                |
| 501   | Sliding door 3000 x 2100mm high in three sections, one sliding and two equal fixed panes<br>No              | 10       |      |                                |
| 502   | Sliding door 3000 x 2400mm high in three sections, one sliding and two equal fixed panes<br>No              | 10       |      |                                |
| 503   | Sliding folding bi-parting door 6000 x 2100mm high in eight equal sections<br>No                            | 10       |      |                                |
| Carried to Collection   |   |          |      |                                |
| Section No. 2   |   |          |      |                                |
| Bill No. 11   |   |          |      |                                |
| Metalwork   |   |          |      |                                |
|   |   |          | R    |                                |

|                       |   | Quantity | Rate     | Maintenance Contract<br>Amount |
|-----------------------|---|----------|----------|--------------------------------|
| 504                   | Sliding folding bi-parting door 6000 x 2400mm high in eight equal sections<br>No          | 10       |          |                                |
| 505                   | Sliding folding door 6000 x 2100mm high in eight equal sections to stack at one end<br>No | 10       |          |                                |
| 506                   | Sliding folding door 6000 x 2400mm high in eight equal sections to stack at one end<br>No | 10       |          |                                |
| Carried to Collection |   |          |          |                                |
| Section No. 2         |   |          |          |                                |
| Bill No. 11           |   |          |          |                                |
| Metalwork             |   |          |          |                                |
|                       |   |          | <b>R</b> |                                |

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 11**  
**METALWORK**  
**COLLECTION**

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Section No. 2

Bill No. 11

Metalwork

Quantity

Rate

Amount

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 12**  
**PLASTERING**

The Contractor is Referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**SCREEDS**

**Screeds wood floated, on concrete**

|    |   |                |    |  |  |
|----|---|----------------|----|--|--|
| 1  | 20mm Thick on floors and landings                                     | m <sup>2</sup> | 40 |  |  |
| 2  | 30mm Thick on floors and landings                                     | m <sup>2</sup> | 40 |  |  |
| 3  | 20mm Thick on floors in sunk panels not exceeding 2m                  | m <sup>2</sup> | 40 |  |  |
| 4  | 20mm Thick on floors in raised panels not exceeding 2m                | m <sup>2</sup> | 40 |  |  |
| 5  | 20mm Thick on floors on waterproofing membrane                        | m <sup>2</sup> | 40 |  |  |
| 6  | Average 25mm thick on floors with upper surface to falls              | m <sup>2</sup> | 40 |  |  |
| 7  | Average 35mm thick on floors with upper surface to falls and currents | m <sup>2</sup> | 40 |  |  |
| 8  | Average 35mm thick on roofs with upper surface to falls               | m <sup>2</sup> | 40 |  |  |
| 9  | Average 40mm thick on roofs with upper surface to falls and currents  | m <sup>2</sup> | 40 |  |  |
| 10 | 20mm Thick on treads and risers of stairs                             | m <sup>2</sup> | 40 |  |  |
| 11 | 30mm Thick on treads and risers of stairs including reedings          | m <sup>2</sup> | 40 |  |  |
| 12 | 30mm Thick on narrow widths not exceeding 300mm wide                  | m <sup>2</sup> | 40 |  |  |
| 13 | Reedings in finish on ramps   | m <sup>2</sup> | 40 |  |  |

Carried to Collection

R

Section No. 2  
 Bill No. 12  
 Plastering

Maintenance Contract

|   |   | Quantity       | Rate | Amount |
|---|---|----------------|------|--------|
| 14  | 20mm Thick on top and sides of kerbs not exceeding 300mm girth        | m              | 40   |        |
| 15  | 30 x 30mm Triangular fillets against walls, kerbs, etc                | m              | 40   |        |
| 16  | Skirtings 70mm high   | m              | 40   |        |
| 17  | Skirtings 70mm high stepped over treads and risers                    | m              | 40   |        |
| 18  | Raking skirtings average 80mm high over treads and risers             | m              | 40   |        |
| <b>Screeds steel trowelled, on concrete</b> |   |                |      |        |
| 19  | 20mm Thick on floors and landings                                     | m <sup>2</sup> | 40   |        |
| 20  | 30mm Thick on floors and landings                                     | m <sup>2</sup> | 40   |        |
| 21  | 30mm Thick on floors in sunk panels not exceeding 2m                  | m <sup>2</sup> | 40   |        |
| 22  | 30mm Thick on floors in raised panels not exceeding 2m                | m <sup>2</sup> | 40   |        |
| 23  | 30mm Thick on floors on waterproofing membrane                        | m <sup>2</sup> | 40   |        |
| 24  | Average 30mm thick on floors with upper surface to falls              | m <sup>2</sup> | 40   |        |
| 25  | Average 35mm thick on floors with upper surface to falls and currents | m <sup>2</sup> | 40   |        |
| 26  | Average 40mm thick on roofs with upper surface to falls               | m <sup>2</sup> | 40   |        |
| 27  | Average 40mm thick on roofs with upper surface to falls and currents  | m <sup>2</sup> | 40   |        |
| 28  | 20mm Thick on treads and risers of stairs                             | m <sup>2</sup> | 40   |        |
| 29  | 30mm Thick on treads and risers of stairs including reedings          | m <sup>2</sup> | 40   |        |
| Carried to Collection                       |   |                |      | R      |
| Section No. 2                               |   |                |      |        |
| Bill No. 12                                 |   |                |      |        |
| Plastering                                  |   |                |      |        |

|  |   | Quantity       | Rate | Amount |
|--|---|----------------|------|--------|
| 30   | 30mm Thick on narrow widths not exceeding 300mm wide                                | m <sup>2</sup> | 40   |        |
| 31   | Reedings in finish on ramps   | m <sup>2</sup> | 40   |        |
| 32   | 20mm Thick on top and sides of kerbs not exceeding 300mm girth                      | m              | 40   |        |
| 33   | 30 x 30mm Triangular fillets against walls, kerbs, etc                              | m              | 40   |        |
| 34   | Skirtings 70mm high   | m              | 40   |        |
| 35   | Skirtings 70mm high stepped over treads and risers                                  | m              | 40   |        |
| 36   | Raking skirtings average 70mm high over treads and risers                           | m              | 40   |        |
| <b>INTERNAL PLASTER</b>                                    |   |                |      |        |
| <b>Cement plaster wood floated for tiles, on brickwork</b> |   |                |      |        |
| 37   | On walls  | m <sup>2</sup> | 40   |        |
| 38   | On walls in sunk panels not exceeding 2m  | m <sup>2</sup> | 40   |        |
| 39   | On walls in raised panels not exceeding 2m  | m <sup>2</sup> | 40   |        |
| 40   | On walls between timber grounds to receive panelling (area of grounds not deducted) | m <sup>2</sup> | 40   |        |
| 41   | On circular walls   | m <sup>2</sup> | 40   |        |
| 42   | On projecting and isolated columns  | m <sup>2</sup> | 40   |        |
| 43   | On ceilings   | m <sup>2</sup> | 40   |        |
| 44   | On raking soffits of stairs   | m <sup>2</sup> | 40   |        |
| 45   | On projecting and isolated beams  | m <sup>2</sup> | 40   |        |
| Carried to Collection                                      |   |                |      | R      |
| Section No. 2  |   |                |      |        |
| Bill No. 12  |   |                |      |        |
| Plastering   |   |                |      |        |

Maintenance Contract

|   |  | Quantity       | Rate | Amount |
|---|--|----------------|------|--------|
| 46  | On narrow widths not exceeding 300mm wide  | m <sup>2</sup> | 40   |        |
| 47  | On sides and front edge of surrounds not exceeding 300mm girth   | m              | 40   |        |
| 48  | On sloping top, front edge and projecting soffit of sills not exceeding 300mm girth  | m              | 40   |        |
| 49  | On sloping top, edges and projecting soffits of copings not exceeding 300mm girth  | m              | 40   |        |
| 50  | Horizontal and vertical mouldings 80mm x 30mm projection and not exceeding 300mm girth, including ends, mitres and intersections | m              | 40   |        |
| <b>Cement plaster steel trowelled, on brickwork</b> |  |                |      |        |
| 51  | On walls   | m <sup>2</sup> | 40   |        |
| 52  | On walls in sunk panels not exceeding 2m   | m <sup>2</sup> | 40   |        |
| 53  | On walls in raised panels not exceeding 2m   | m <sup>2</sup> | 40   |        |
| 54  | On walls between timber grounds to receive panelling (area of grounds not deducted)  | m <sup>2</sup> | 40   |        |
| 55  | On circular walls  | m <sup>2</sup> | 40   |        |
| 56  | On projecting and isolated columns   | m <sup>2</sup> | 40   |        |
| 57  | On ceilings  | m <sup>2</sup> | 40   |        |
| 58  | On raking soffits of stairs  | m <sup>2</sup> | 40   |        |
| 59  | On projecting and isolated beams   | m <sup>2</sup> | 40   |        |
| 60  | On narrow widths not exceeding 300mm wide  | m <sup>2</sup> | 40   |        |
| Carried to Collection                               |  |                |      | R      |
| Section No. 2                                       |  |                |      |        |
| Bill No. 12   |  |                |      |        |
| Plastering  |  |                |      |        |

|  |   | Quantity       | Rate | Amount |
|--|---|----------------|------|--------|
| 61   | On sloping top, front edge and projecting soffit of sills not exceeding 300mm girth | m              | 40   |        |
| 62   | On sloping top, edges and projecting soffits of copings not exceeding 300mm girth   | m              | 40   |        |
| <b>Cement plaster steel trowelled, on concrete</b>   |   |                |      |        |
| 63   | On walls  | m <sup>2</sup> | 40   |        |
| 64   | On circular walls   | m <sup>2</sup> | 40   |        |
| 65   | On projecting and isolated columns  | m <sup>2</sup> | 40   |        |
| 66   | On ceilings   | m <sup>2</sup> | 40   |        |
| 67   | On raking soffits of stairs   | m <sup>2</sup> | 40   |        |
| 68   | On projecting and isolated beams  | m <sup>2</sup> | 40   |        |
| 69   | On narrow widths not exceeding 300mm wide   | m <sup>2</sup> | 40   |        |
| <b>Cement plaster rendering coat with gypsum skim plaster finishing coat, on brickwork</b> |   |                |      |        |
| 70   | On walls  | m <sup>2</sup> | 40   |        |
| 71   | On circular walls   | m <sup>2</sup> | 40   |        |
| 72   | On projecting and isolated columns  | m <sup>2</sup> | 40   |        |
| 73   | On narrow widths not exceeding 300mm wide   | m <sup>2</sup> | 40   |        |
| <b>Rough-cast plaster, on brickwork</b>  |   |                |      |        |
| 74   | On walls  | m <sup>2</sup> | 40   |        |
| 75   | On circular walls   | m <sup>2</sup> | 40   |        |
| Carried to Collection  |   |                |      | R      |
| Section No. 2  |   |                |      |        |
| Bill No. 12  |   |                |      |        |
| Plastering   |   |                |      |        |



|   |   |                | Quantity | Rate | Maintenance Contract<br>Amount |
|---|---|----------------|----------|------|--------------------------------|
| 91                                      | On walls in sunk panels not exceeding 2m  | m <sup>2</sup> | 40       |      |                                |
| 92                                      | On walls in raised panels not exceeding 2m  | m <sup>2</sup> | 40       |      |                                |
| 93                                      | On walls between timber grounds to receive panelling (area of grounds not deducted) | m <sup>2</sup> | 40       |      |                                |
| 94                                      | On circular walls   | m <sup>2</sup> | 40       |      |                                |
| 95                                      | On projecting and isolated columns  | m <sup>2</sup> | 40       |      |                                |
| 96                                      | On narrow widths not exceeding 300mm wide   | m <sup>2</sup> | 40       |      |                                |
| 97                                      | On sloping top, front edge and projecting soffit of sills not exceeding 300mm girth | m              | 40       |      |                                |
| 98                                      | On sloping top, edges and projecting soffits of copings not exceeding 300mm girth   | m              | 40       |      |                                |
| <b>Rough-cast plaster, on brickwork</b> |   |                |          |      |                                |
| 99                                      | On walls  | m <sup>2</sup> | 40       |      |                                |
| 100                                     | On walls in sunk panels not exceeding 2m  | m <sup>2</sup> | 40       |      |                                |
| 101                                     | On walls in raised panels not exceeding 2m  | m <sup>2</sup> | 40       |      |                                |
| 102                                     | On walls between timber grounds to receive panelling (area of grounds not deducted) | m <sup>2</sup> | 40       |      |                                |
| 103                                     | On circular walls   | m <sup>2</sup> | 40       |      |                                |
| 104                                     | On projecting and isolated columns  | m <sup>2</sup> | 40       |      |                                |
| 105                                     | On narrow widths not exceeding 300mm wide   | m <sup>2</sup> | 40       |      |                                |
| Carried to Collection                   |   |                |          |      |                                |
| Section No. 2                           |   |                |          |      |                                |
| Bill No. 12                             |   |                |          |      |                                |
| Plastering                              |   |                |          |      |                                |
|   |   |                |          | R    |                                |

|  |   | Quantity | Rate     | Maintenance Contract<br>Amount |
|--|---|----------|----------|--------------------------------|
| <b>CORNER PROTECTORS, DIVIDING STRIPS, ETC</b> |   |          |          |                                |
| <b>Edge strips, etc.:</b>                      |   |          |          |                                |
| 106  | 50 x 2mm Thick galvanised steel edge strips fixed to brickwork or concrete      | m        | 40       |                                |
| 107  | 50 x 50 x 3mm Galvanised steel corner protectors fixed to brickwork or concrete | m        | 40       |                                |
| 108  | 3 x 40mm Flat section brass dividing strips between differing floor finishes    | m        | 40       |                                |
| 109  | 40 x 40 x 3mm L-section brass dividing strips between differing floor finishes  | m        | 40       |                                |
| Carried to Collection                          |   |          |          |                                |
| Section No. 2                                  |   |          | <b>R</b> |                                |
| Bill No. 12                                    |   |          |          |                                |
| Plastering                                     |   |          |          |                                |

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 12**  
**PLASTERING**  
**COLLECTION**

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**SECTION NO. 2**  
**SUPERSTRUCTURE**

**BILL NO. 13**  
**TILING**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**SUPPLEMENTARY PREAMBLES**

**Patterns**

Unless otherwise described, tiles shall be laid with continuous joints in both directions

**Fixing**

Unless described as fixed with adhesive to plaster (plaster elsewhere) descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding

Tiling described as fixed with adhesive on power floated concrete shall be deemed to include for approved tiling key-coat

Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles

**WALL TILING**

**200 x 200 x 5mm White glazed ceramic tiles fixed with adhesive to plaster (plaster elsewhere)**

|   |  |                |    |
|---|--|----------------|----|
| 1 | On walls   | m <sup>2</sup> | 40 |
| 2 | On walls circular to exceeding 300mm radius                    | m <sup>2</sup> | 40 |
| 3 | On walls circular to not exceeding 300mm radius                | m <sup>2</sup> | 40 |
| 4 | On walls in isolated panels, splashbacks, etc not exceeding 1m | m <sup>2</sup> | 40 |
| 5 | On walls to diagonal pattern                                   | m <sup>2</sup> | 40 |
| 6 | On projecting and isolated columns                             | m <sup>2</sup> | 40 |
| 7 | On piers and pilasters   | m <sup>2</sup> | 40 |
| 8 | On narrow widths not exceeding 300mm                           | m <sup>2</sup> | 40 |

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Bill No. 13

Tiling

|   |  | Quantity       | Rate | Maintenance Contract Amount |
|---|--|----------------|------|-----------------------------|
| 9   | On narrow widths not exceeding 300mm to diagonal pattern   | m <sup>2</sup> | 40   |                             |
| 10  | On sills not exceeding 200mm wide of bullnose tiles laid flat  | m              | 40   |                             |
| 11  | Circular cutting   | m              | 40   |                             |
| 12  | Fair exposed cutting and fitting around rectangular handrail, baluster, etc not exceeding 300mm girth  | No             | 40   |                             |
| 13  | Fair exposed cutting and fitting around pipe not exceeding 100mm external diameter                     | No             | 40   |                             |
| 14  | Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 150mm external diameter | No             | 40   |                             |
| <b>CTM Kyra Grey Ceramic wall tile 300 x 200mm fixed with adhesive to walls and flush pointed with approved grout</b> |  |                |      |                             |
| 15  | On walls   | m <sup>2</sup> | 40   |                             |
| 16  | On walls circular to exceeding 300mm radius  | m <sup>2</sup> | 40   |                             |
| 17  | On walls circular to not exceeding 300mm radius  | m <sup>2</sup> | 40   |                             |
| 18  | On walls in isolated panels, splashbacks, etc not exceeding 1m   | m <sup>2</sup> | 40   |                             |
| 19  | On walls to diagonal pattern   | m <sup>2</sup> | 40   |                             |
| 20  | On projecting and isolated columns   | m <sup>2</sup> | 40   |                             |
| 21  | On piers and pilasters   | m <sup>2</sup> | 40   |                             |
| 22  | On narrow widths not exceeding 300mm   | m <sup>2</sup> | 40   |                             |
| 23  | On narrow widths not exceeding 300mm to diagonal pattern   | m <sup>2</sup> | 40   |                             |
| Carried to Collection   |  |                |      | R                           |
| Section No. 2   |  |                |      |                             |
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| Tiling  |  |                |      |                             |

Maintenance Contract

|  |  | Quantity       | Rate | Amount |
|--|--|----------------|------|--------|
| 24   | On sills not exceeding 200mm wide of bullnose tiles laid flat  | m              | 40   |        |
| 25   | Circular cutting   | m              | 40   |        |
| 26   | Fair exposed cutting and fitting around rectangular handrail, baluster, etc not exceeding 300mm girth  | No             | 40   |        |
| 27   | Fair exposed cutting and fitting around pipe not exceeding 100mm external diameter                     | No             | 40   |        |
| 28   | Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 150mm external diameter | No             | 40   |        |
| <b>CTM Lotus Ivory Shine Finish Ceramic wall tile 400 x 250mm fixed with adhesive to walls and flush pointed with approved grout</b> |  |                |      |        |
| 29   | On walls   | m <sup>2</sup> | 40   |        |
| 30   | On walls circular to exceeding 300mm radius  | m <sup>2</sup> | 40   |        |
| 31   | On walls circular to not exceeding 300mm radius  | m <sup>2</sup> | 40   |        |
| 32   | On walls in isolated panels, splashbacks, etc not exceeding 1m   | m <sup>2</sup> | 40   |        |
| 33   | On walls to diagonal pattern   | m <sup>2</sup> | 40   |        |
| 34   | On projecting and isolated columns   | m <sup>2</sup> | 40   |        |
| 35   | On piers and pilasters   | m <sup>2</sup> | 40   |        |
| 36   | On narrow widths not exceeding 300mm   | m <sup>2</sup> | 40   |        |
| 37   | On narrow widths not exceeding 300mm to diagonal pattern   | m <sup>2</sup> | 40   |        |
| 38   | On sills not exceeding 200mm wide of bullnose tiles laid flat  | m              | 40   |        |
| Carried to Collection  |  |                |      | R      |
| Section No. 2  |  |                |      |        |
| Bill No. 13  |  |                |      |        |
| Tiling   |  |                |      |        |

Maintenance Contract

|   |  | Quantity       | Rate | Amount |
|---|--|----------------|------|--------|
| 39  | Circular cutting   | m              | 40   |        |
| 40  | Fair exposed cutting and fitting around rectangular handrail, baluster, etc not exceeding 300mm girth  | No             | 40   |        |
| 41  | Fair exposed cutting and fitting around pipe not exceeding 100mm external diameter                     | No             | 40   |        |
| 42  | Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 150mm external diameter | No             | 40   |        |
| <b>CTM Shiny White Ceramic wall tile 600 x 300mm fixed with adhesive to walls and flush pointed with approved grout</b> |  |                |      |        |
| 43  | On walls   | m <sup>2</sup> | 40   |        |
| 44  | On walls circular to not exceeding 300mm radius  | m <sup>2</sup> | 40   |        |
| 45  | On walls circular to exceeding 300mm radius  | m <sup>2</sup> | 40   |        |
| 46  | On walls in isolated panels, splashbacks, etc not exceeding 1m   | m <sup>2</sup> | 40   |        |
| 47  | On projecting and isolated columns   | m <sup>2</sup> | 40   |        |
| 48  | On narrow widths not exceeding 300mm   | m <sup>2</sup> | 40   |        |
| 49  | On sills not exceeding 200mm wide of bullnose tiles laid flat  | m              | 40   |        |
| 50  | Circular cutting   | m              | 40   |        |
| 51  | Fair exposed cutting and fitting around pipe not exceeding 100mm external diameter                     | No             | 40   |        |
| 52  | Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 150mm external diameter | No             | 40   |        |
| Carried to Collection   |  |                |      | R      |
| Section No. 2   |  |                |      |        |
| Bill No. 13   |  |                |      |        |
| Tiling  |  |                |      |        |

Quantity

Rate

Amount

**FLOOR TILING**

**CTM 350 x 350mm Kilimanjaro Nairobi Terracotta Matt Porcelain floor tiles on screed and flush pointed with tinted grout**

|    |  |                |    |
|----|--|----------------|----|
| 53 | On floors and landings   | m <sup>2</sup> | 40 |
| 54 | On narrow widths not exceeding 300mm wide  | m <sup>2</sup> | 40 |
| 55 | Circular cutting   | m              | 40 |
| 56 | On margins 150mm wide of tiles laid to stretcher pattern   | m              | 40 |
| 57 | On risers 170mm high of cut tiles  | m              | 40 |
| 58 | On treads 250mm wide of cut tiles  | m              | 40 |
| 59 | Skirting 70mm high of cut tiles  | m              | 40 |
| 60 | Skirting 100mm high of cut tiles   | m              | 40 |
| 61 | Sloping skirting 100mm high extreme including stepped cutting over treads and risers                   | m              | 40 |
| 62 | Fair exposed cutting and fitting around rectangular handrail, baluster, etc not exceeding 300mm girth  | No             | 40 |
| 63 | Fair exposed cutting and fitting around pipe not exceeding 100mm external diameter                     | No             | 40 |
| 64 | Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 150mm external diameter | No             | 40 |

**CTM 600 x 600mm Scotia Nano Shiny Finish Polished Porcelain floor tiles fixed with adhesive to screed (screed elsewhere) and flush pointed with approved tinted grout**

|    |   |                |    |
|----|---|----------------|----|
| 65 | On floors and landings                    | m <sup>2</sup> | 40 |
| 66 | On narrow widths not exceeding 300mm wide | m <sup>2</sup> | 40 |

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Tiling

|    |   | Quantity       | Rate | Amount |
|----|---|----------------|------|--------|
| 67 | Circular cutting  | m              | 40   |        |
| 68 | On margins 300mm wide of tiles laid to stretcher pattern  | m              | 40   |        |
| 69 | On risers 170mm high of cut tiles   | m              | 40   |        |
| 70 | On treads 250mm wide of cut tiles   | m              | 40   |        |
| 71 | On raking and stepped outer edges of stairs 100mm wide extreme  | m              | 40   |        |
| 72 | Skirting 70mm high of cut tiles   | m              | 40   |        |
| 73 | Skirting 100mm high of cut tiles  | m              | 40   |        |
| 74 | Sloping skirting 100mm high extreme including stepped cutting over treads and risers  | m              | 40   |        |
| 75 | Fair exposed cutting and fitting around rectangular handrail, baluster, etc not exceeding 300mm girth   | No             | 40   |        |
| 76 | Fair exposed cutting and fitting around pipe not exceeding 100mm external diameter  | No             | 40   |        |
| 77 | Fair exposed cutting and fitting around pipe exceeding 100mm and not exceeding 150mm external diameter  | No             | 40   |        |
|    | <b>CTM 600 x 600mm Super White Polished Porcelain floor tiles fixed with adhesive to screed (screed elsewhere) and flush pointed with approved tinted grout</b> |                |      |        |
| 78 | On floors and landings  | m <sup>2</sup> | 40   |        |
| 79 | On narrow widths not exceeding 300mm wide   | m <sup>2</sup> | 40   |        |
| 80 | Circular cutting  | m              | 40   |        |
| 81 | On risers 170mm high of cut tiles   | m              | 40   |        |
|    | Carried to Collection   |                |      | R      |
|    | Section No. 2   |                |      |        |
|    | Bill No. 13   |                |      |        |
|    | Tiling  |                |      |        |

|  |  | Quantity | Rate | Maintenance Contract Amount |
|--|--|----------|------|-----------------------------|
| 82   | On margins 300mm wide of tiles laid to stretcher pattern                             | m        | 40   |                             |
| 83   | On treads 250mm wide of cut tiles  | m        | 40   |                             |
| 84   | Skirting 70mm high of cut tiles  | m        | 40   |                             |
| 85   | Sloping skirting 100mm high extreme including stepped cutting over treads and risers | m        | 40   |                             |
| <b>SUNDRIES</b>  |  |          |      |                             |
| <b>White glazed ceramic soap dishes etc</b>  |  |          |      |                             |
| 86   | 150 x 150mm Semi-recessed toilet paper holder  | No       | 40   |                             |
| 87   | 150 x 150mm Recessed toilet paper holder   | No       | 40   |                             |
| 88   | 150 x 150mm Semi-recessed soap dish  | No       | 40   |                             |
| 89   | 150 x 150mm Recessed soap dish   | No       | 40   |                             |
| 90   | 300 x 150mm Recessed soap dish with hand grip  | No       | 40   |                             |
| <b>Brass dividing strips</b>   |  |          |      |                             |
| 91   | 3 x 40mm Flat section dividing strips between tiles                                  | m        | 40   |                             |
| 92   | 30 x 30 x 3mm L-section dividing strips between tiles                                | m        | 40   |                             |
| <b>Aluminium corner protectors, stair nosings, expansion joint strips, etc</b>       |  |          |      |                             |
| 93   | 50 x 50 x 3mm L-section corner protectors  | m        | 40   |                             |
| <b>Stainless steel corner protectors, stair nosings, expansion joint strips, etc</b> |  |          |      |                             |
| 94   | 50 x 50 x 3mm L-section corner protectors plgged with countersunk screws             | m        | 40   |                             |
| Carried to Collection  |  |          |      | R                           |
| Section No. 2  |  |          |      |                             |
| Bill No. 13  |  |          |      |                             |
| Tiling   |  |          |      |                             |

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**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 14**  
**PLUMBING AND DRAINAGE**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**RAINWATER DISPOSAL**

**2mm Seamless aluminium prepainted gutters and rainwater pipes**

|    |  |    |    |  |  |
|----|--|----|----|--|--|
| 1  | 140mm Ogee roof gutters                              | m  | 40 |  |  |
| 2  | 80mm Diameter rainwater pipes                        | m  | 40 |  |  |
| 3  | 100 x 80mm Rainwater pipes                           | m  | 40 |  |  |
| 4  | Extra over gutter for stopped end                    | No | 40 |  |  |
| 5  | Extra over gutter for angle                          | No | 40 |  |  |
| 6  | Extra over gutter for outlet for 80mm diameter pipe  | No | 40 |  |  |
| 7  | Extra over gutter for outlet for 100 x 80mm pipe     | No | 40 |  |  |
| 8  | Extra over 80mm rainwater pipe for bend              | No | 40 |  |  |
| 9  | Extra over 100 x 80mm rainwater pipe for bend        | No | 40 |  |  |
| 10 | Extra over 80mm rainwater pipe for plinth bend       | No | 40 |  |  |
| 11 | Extra over 100 x 80mm rainwater pipe for plinth bend | No | 40 |  |  |
| 12 | Extra over 80mm rainwater pipe for shoe              | No | 40 |  |  |
| 13 | Extra over 100 x 80mm rainwater pipe for shoe        | No | 40 |  |  |

Carried to Collection

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Section No. 2  
 Bill No. 14  
 Plumbing And Drainage

|   |  | Quantity | Rate | Maintenance Contract Amount |
|---|--|----------|------|-----------------------------|
| 14  | Extra over 80mm rainwater pipe for eaves or plinth offset  | No       | 40   |                             |
| 15  | Extra over 100 x 80mm rainwater pipe for eaves or plinth offset  | No       | 40   |                             |
| 16  | Extra over 80mm rainwater pipe for swan-neck   | No       | 40   |                             |
| 17  | Extra over 100 x 80mm rainwater pipe for swan-neck   | No       | 40   |                             |
| 18  | Spreader for 80mm pipe 300mm long  | No       | 40   |                             |
| 19  | Spreader for 100 x 80mm pipe 300mm long  | No       | 40   |                             |
| 20  | Spreader 500mm long for 80mm diameter pipe with half closed ends and 25mm diameter holes at 75mm centres | No       | 40   |                             |
| 21  | Spreader 500mm long for 100 x 80mm pipe with half closed ends and 25mm diameter holes at 75mm centres    | No       | 40   |                             |
| 22  | 300 x 200 x 200mm Deep rainwater head with outlet for 80mm diameter pipe                                 | No       | 40   |                             |
| 23  | 300 x 200 x 200mm Deep rainwater head with outlet for 100 x 80mm pipe                                    | No       | 40   |                             |
| <b>Fibre-cement gutters and rainwater pipes</b> |  |          |      |                             |
| 24  | 125mm Half-round roof gutters  | m        | 40   |                             |
| 25  | 125 x 125 x 125mm VHV roof gutters   | m        | 40   |                             |
| 26  | 75mm Diameter rainwater pipes  | m        | 40   |                             |
| 27  | Extra over gutter for stopped end  | No       | 40   |                             |
| 28  | Extra over gutter for angle  | No       | 40   |                             |
| 29  | Extra over gutter for outlet for 75m pipe  | No       | 40   |                             |
| Carried to Collection                           |  |          |      | R                           |
| Section No. 2                                   |  |          |      |                             |
| Bill No. 14                                     |  |          |      |                             |
| Plumbing And Drainage                           |  |          |      |                             |

Maintenance Contract

|  |  |    | Quantity | Rate     | Maintenance Contract<br>Amount |
|--|--|----|----------|----------|--------------------------------|
| 30   | Extra over rainwater pipe for bend                                       | No | 40       |          |                                |
| 31   | Extra over rainwater pipe for plinth bend                                | No | 40       |          |                                |
| 32   | Extra over rainwater pipe for shoe                                       | No | 40       |          |                                |
| 33   | Extra over rainwater pipe for eaves or plinth offset                     | No | 40       |          |                                |
| 34   | Extra over rainwater pipe for swan-neck                                  | No | 40       |          |                                |
| 35   | 300 x 300 x 200mm Deep rainwater head with outlet for 75mm diameter pipe | No | 40       |          |                                |
| <b>RWP PVC-U soil and vent pipes</b>               |  |    |          |          |                                |
| 36   | 80mm Pipes   | m  | 40       |          |                                |
| 37   | 110mm Pipes  | m  | 40       |          |                                |
| 38   | 80mm Pipes in columns  | m  | 40       |          |                                |
| 39   | 110mm Pipes in columns   | m  | 40       |          |                                |
| 40   | 80mm Pipes suspended not exceeding 1m below concrete soffits             | m  | 40       |          |                                |
| 41   | 110mm Pipes suspended not exceeding 1m below concrete soffits            | m  | 40       |          |                                |
| <b>Extra on PVC-U rainwater pipes for fittings</b> |  |    |          |          |                                |
| 42   | 80mm Bend  | No | 40       |          |                                |
| 43   | 110mm Bend   | No | 40       |          |                                |
| 44   | 80mm Junction  | No | 40       |          |                                |
| 45   | 110mm Junction   | No | 40       |          |                                |
|  |  |    |          |          |                                |
| Carried to Collection                              |  |    |          |          |                                |
|  |  |    |          | <b>R</b> |                                |
|  |  |    |          |          |                                |
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| Plumbing And Drainage                              |  |    |          |          |                                |

Quantity

Rate

Amount

**Cast iron outlets**

|    |                             |    |    |  |
|----|-----------------------------|----|----|--|
| 46 | 80mm Vertical outlet        | No | 40 |  |
| 47 | 100mm Vertical outlet       | No | 40 |  |
| 48 | 80mm 45 Degree side outlet  | No | 40 |  |
| 49 | 100mm 45 Degree side outlet | No | 40 |  |
| 50 | 80mm Two-way outlet         | No | 40 |  |
| 51 | 100mm Two-way outlet        | No | 40 |  |

**SUBSOIL DRAINAGE**

**Slotted PVC-U flexible drainage pipes**

|    |   |   |    |  |
|----|---|---|----|--|
| 52 | 110mm Pipes laid in and including 19mm stone encasing wrapped in filter fabric all round (encasing elsewhere) | m | 40 |  |
| 53 | 160mm Pipes laid in and including 19mm stone encasing wrapped in filter fabric all round (encasing elsewhere) | m | 40 |  |

**PRECAST CONCRETE CHANNELS**

**Channels**

|    |  |    |    |  |
|----|--|----|----|--|
| 54 | 350 x 150mm Channel 600mm long with segmental channel with one open end and one stopped end formed therein and finished smooth, including placing in position under shoe of rainwater pipe on a well rammed earth bottom | No | 40 |  |
|----|--|----|----|--|

**STORMWATER DRAINAGE**

**Class 100D concrete pipes with spigot and socket joints with rubber rings**

|    |   |   |    |  |
|----|---|---|----|--|
| 55 | 300mm Pipes laid in and including trenches not exceeding 1m deep                  | m | 40 |  |
| 56 | 450mm Pipes laid in and including trenches not exceeding 1m deep                  | m | 40 |  |
| 57 | 600mm Pipes laid in and including trenches not exceeding 1m deep                  | m | 40 |  |
| 58 | 300mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m | 40 |  |

Carried to Collection

R

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 Plumbing And Drainage

|  |   | Quantity | Rate | Maintenance Contract Amount |
|--|---|----------|------|-----------------------------|
| 59   | 450mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m        | 40   |                             |
| 60   | 600mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m        | 40   |                             |
| 61   | 300mm Pipes laid in and including trenches exceeding 2m and not exceeding 3m deep | m        | 40   |                             |
| <b>Heavy duty (Class 34) PVC-U sewer and drain pipes</b>                         |   |          |      |                             |
| 62   | 110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)             | m        | 40   |                             |
| 63   | 160mm Pipes vertically or ramped to cleaning eyes etc (no excavation)             | m        | 40   |                             |
| 64   | 110mm Pipes laid in and including trenches not exceeding 1m deep                  | m        | 40   |                             |
| 65   | 160mm Pipes laid in and including trenches not exceeding 1m deep                  | m        | 40   |                             |
| 66   | 200mm Pipes laid in and including trenches not exceeding 1m deep                  | m        | 40   |                             |
| 67   | 110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m        | 40   |                             |
| 68   | 160mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m        | 40   |                             |
| 69   | 200mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m        | 40   |                             |
| 70   | 110mm Pipes laid in and including trenches exceeding 2m and not exceeding 3m deep | m        | 40   |                             |
| 71   | 160mm Pipes laid in and including trenches exceeding 2m and not exceeding 3m deep | m        | 40   |                             |
| <b>Extra over heavy duty (Class 34) PVC-U sewer and drain pipes for fittings</b> |   |          |      |                             |
| 72   | 110mm Bend  | No       | 40   |                             |
| Carried to Collection  |   |          |      | R                           |
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| Plumbing And Drainage  |   |          |      |                             |

Maintenance Contract

|  |  |    | Quantity | Rate | Maintenance Contract Amount |
|--|--|----|----------|------|-----------------------------|
| 73   | 160mm Bend   | No | 40       |      |                             |
| 74   | 200mm Bend   | No | 40       |      |                             |
| 75   | 110mm Junction   | No | 40       |      |                             |
| 76   | 160mm Junction   | No | 40       |      |                             |
| 77   | 160mm Reducing junction  | No | 40       |      |                             |
| 78   | 200mm Reducing junction  | No | 40       |      |                             |
| <b>Sumps, catchpits, inspection chambers, etc including concrete kerbs or precast concrete cover slabs (gratings and covers elsewhere)</b> |  |    |          |      |                             |
| 79   | 450 x 450mm Junction box not exceeding 750mm deep internally                         | No | 20       |      |                             |
| 80   | 600 x 600mm Junction box not exceeding 750mm deep internally                         | No | 20       |      |                             |
| 81   | 600 x 600mm Junction box exceeding 1000mm and not exceeding 1250mm deep internally   | No | 20       |      |                             |
| 82   | 380 x 380mm Rainwater sump not exceeding 750mm deep internally                       | No | 20       |      |                             |
| 83   | 450 x 600mm Brick catchpit not exceeding 750mm deep internally                       | No | 20       |      |                             |
| 84   | 450 x 600mm Brick catchpit exceeding 750mm and not exceeding 1000mm deep internally  | No | 20       |      |                             |
| 85   | 600 x 600mm Brick catchpit not exceeding 750mm deep internally                       | No | 20       |      |                             |
| 86   | 600 x 600mm Brick catchpit exceeding 750mm and not exceeding 1000mm deep internally  | No | 20       |      |                             |
| 87   | 600 x 600mm Brick catchpit exceeding 1500mm and not exceeding 1750mm deep internally | No | 20       |      |                             |
| Carried to Collection  |  |    |          |      | <b>R</b>                    |
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|  |   | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---|----------|------|--------------------------------|
| 88                                     | 600 x 600mm Brick catchpit exceeding 2000mm and not exceeding 2250mm deep internally<br>No  | 20       |      |                                |
| 89                                     | 450 x 600mm Brick inspection chamber not exceeding 750mm deep internally<br>No  | 20       |      |                                |
| 90                                     | 600 x 600mm Brick inspection chamber not exceeding 750mm deep internally<br>No  | 20       |      |                                |
| 91                                     | 450 x 600mm Brick inspection chamber exceeding 1000mm and not exceeding 1250mm deep internally<br>No  | 20       |      |                                |
| 92                                     | 450 x 600mm Brick inspection chamber 2000mm deep internally, the lower 750mm increased to 600 x 600mm internally and with 150mm precast concrete reducer slab<br>No   | 20       |      |                                |
| 93                                     | 1050mm Diameter precast concrete circular inspection chamber not exceeding 750mm deep internally including cover<br>No  | 20       |      |                                |
| 94                                     | 1050mm Diameter precast concrete circular inspection chamber not exceeding 750mm deep internally including cover<br>No  | 20       |      |                                |
| 95                                     | 1050mm Diameter precast concrete circular inspection chamber exceeding 750mm and not exceeding 1000mm deep internally including cover<br>No   | 20       |      |                                |
| 96                                     | 1050mm Diameter precast concrete circular inspection chamber exceeding 1500mm and not exceeding 1750mm deep internally including cover<br>No  | 20       |      |                                |
| 97                                     | 1050mm Diameter precast concrete circular inspection chamber exceeding 2250mm and not exceeding 2500mm deep internally, the lower 1000mm increased to 1500mm diameter internally and with 150mm precast concrete reducer slab including cover<br>No | 20       |      |                                |
| <b>Cast iron gratings, covers, etc</b> |   |          |      |                                |
| 98                                     | 380 x 380mm x 7kg Dished grating and frame<br>No  | 20       |      |                                |
| 99                                     | 450 x 600mm x medium duty dished grating and frame<br>No  | 20       |      |                                |
| 100                                    | 450 x 600mm x medium duty single seal manhole cover and frame<br>No   | 20       |      |                                |
| 101                                    | 550mm Diameter x 180kg road manhole cover and frame<br>No   | 20       |      |                                |
| Carried to Collection                  |   |          | R    |                                |
| Section No. 2                          |   |          |      |                                |
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|  |  |    | Quantity | Rate | Maintenance Contract<br>Amount |
|--|--|----|----------|------|--------------------------------|
| <b>SLEEVES FOR ELECTRICAL AND TELEPHONE CABLES ETC.</b>  |  |    |          |      |                                |
| <b>Class 6 PVC-U pipes</b>                               |  |    |          |      |                                |
| 102  | 80mm Pipes laid in trenches (trenches elsewhere)   | m  | 40       |      |                                |
| 103  | Set of two 110mm pipes laid side-by-side in trenches (trenches elsewhere)  | m  | 40       |      |                                |
| 104  | 110mm Pipes laid in and including trenches not exceeding 1m deep   | m  | 40       |      |                                |
| 105  | Set of two 110mm pipes laid side-by-side in and including trenches not exceeding 1m deep                           | m  | 40       |      |                                |
| 106  | Set of five 110mm pipes laid side-by-side in and including trenches not exceeding 1m deep                          | m  | 40       |      |                                |
| 107  | Set of six 110mm pipes in two tiers, one on top of the other, laid in and including trenches not exceeding 1m deep | m  | 40       |      |                                |
| <b>Extra over Class 6 PVC-U pipes for fittings</b>       |  |    |          |      |                                |
| 108  | 110mm Bend   | No | 40       |      |                                |
| 109  | 110mm Long radius bend   | No | 40       |      |                                |
| <b>Inspection chambers</b>                               |  |    |          |      |                                |
| 110  | 600 x 600mm Brick inspection chamber not exceeding 1m deep internally (cover elsewhere)                            | No | 40       |      |                                |
| 111  | 450 x 600 x medium duty cast iron single seal manhole cover and frame  | No | 40       |      |                                |
| <b>SOIL DRAINAGE</b>                                     |  |    |          |      |                                |
| <b>Heavy duty (Class 34) PVC-U sewer and drain pipes</b> |  |    |          |      |                                |
| 112  | 110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)  | m  | 40       |      |                                |
| 113  | 160mm Pipes vertically or ramped to cleaning eyes etc (no excavation)  | m  | 40       |      |                                |
| 114  | 110mm Pipes laid in and including trenches not exceeding 1m deep   | m  | 40       |      |                                |
|  |  |    |          |      |                                |
| Carried to Collection                                    |  |    |          | R    |                                |
| Section No. 2  |  |    |          |      |                                |
| Bill No. 14  |  |    |          |      |                                |
| Plumbing And Drainage                                    |  |    |          |      |                                |

|  |   |    | Quantity | Rate     | Maintenance Contract<br>Amount |
|--|---|----|----------|----------|--------------------------------|
| 115  | 160mm Pipes laid in and including trenches not exceeding 1m deep                  | m  | 40       |          |                                |
| 116  | 200mm Pipes laid in and including trenches not exceeding 1m deep                  | m  | 40       |          |                                |
| 117  | 110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m  | 40       |          |                                |
| 118  | 160mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m  | 40       |          |                                |
| 119  | 200mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m  | 40       |          |                                |
| 120  | 110mm Pipes laid in and including trenches exceeding 2m and not exceeding 3m deep | m  | 40       |          |                                |
| 121  | 160mm Pipes laid in and including trenches exceeding 2m and not exceeding 3m deep | m  | 40       |          |                                |
| <b>Extra over heavy duty (Class 34) PVC-U sewer and drain pipes for fittings</b> |   |    |          |          |                                |
| 122  | 110mm Bend  | No | 40       |          |                                |
| 123  | 160mm Bend  | No | 40       |          |                                |
| 124  | 200mm Bend  | No | 40       |          |                                |
| 125  | 110mm Junction  | No | 40       |          |                                |
| 126  | 160mm Junction  | No | 40       |          |                                |
| 127  | 200mm Junction  | No | 40       |          |                                |
| 128  | 110mm Reducing junction   | No | 40       |          |                                |
| 129  | 160mm Reducing junction   | No | 40       |          |                                |
| Carried to Collection  |   |    |          |          |                                |
| Section No. 2  |   |    |          |          |                                |
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|  |   |    |          | <b>R</b> |                                |

|   |   |    | Quantity | Rate | Maintenance Contract<br>Amount |
|---|---|----|----------|------|--------------------------------|
| 130                                       | 200mm Reducing junction   | No | 40       |      |                                |
| 131                                       | 110mm Access pipe   | No | 40       |      |                                |
| 132                                       | 160mm Access pipe   | No | 40       |      |                                |
| 133                                       | 110mm Access bend   | No | 40       |      |                                |
| 134                                       | 160mm Access bend   | No | 40       |      |                                |
| 135                                       | 200mm Access bend   | No | 40       |      |                                |
| 136                                       | 110mm Access junction   | No | 40       |      |                                |
| 137                                       | 160mm Access junction   | No | 40       |      |                                |
| 138                                       | 200mm Access junction   | No | 40       |      |                                |
| 139                                       | 110mm Access reducing junction  | No | 40       |      |                                |
| 140                                       | 160mm Access reducing junction  | No | 40       |      |                                |
| 141                                       | 110mm Access double junction  | No | 40       |      |                                |
| 142                                       | 160mm Access double junction  | No | 40       |      |                                |
| 143                                       | 110mm Rodding eye   | No | 40       |      |                                |
| 144                                       | 110mm Overflow gulley head  | No | 40       |      |                                |
| <b>Cast iron pipes with SSN couplings</b> |   |    |          |      |                                |
| 145                                       | 100mm Pipes vertically or ramped to cleaning eyes etc (no excavation) | m  | 10       |      |                                |
|   |   |    |          |      |                                |
| Carried to Collection                     |   |    |          | R    |                                |
| Section No. 2                             |   |    |          |      |                                |
| Bill No. 14                               |   |    |          |      |                                |
| Plumbing And Drainage                     |   |    |          |      |                                |

|   |   |    | Quantity | Rate     | Maintenance Contract<br>Amount |
|---|---|----|----------|----------|--------------------------------|
| 146   | 100mm Pipes laid in and including trenches not exceeding 1m deep                  | m  | 10       |          |                                |
| 147   | 100mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep | m  | 10       |          |                                |
| 148   | 100mm Pipes laid in and including trenches exceeding 2m and not exceeding 3m deep | m  | 10       |          |                                |
| <b>Extra over cast iron pipes with SSN couplings for fittings</b> |   |    |          |          |                                |
| 149   | 100mm Taper pipe  | No | 10       |          |                                |
| 150   | 100mm Bend  | No | 10       |          |                                |
| 151   | 100mm Junction  | No | 10       |          |                                |
| 152   | 100mm Reducing junction   | No | 10       |          |                                |
| 153   | 100mm Access bend   | No | 10       |          |                                |
| 154   | 100mm Access junction   | No | 10       |          |                                |
| 155   | 100mm Access reducing junction  | No | 10       |          |                                |
| <b>Cast iron gulleys</b>  |   |    |          |          |                                |
| 156   | 100mm Gulley not exceeding 500mm deep   | No | 10       |          |                                |
| 157   | 100mm Gulley exceeding 500mm and not exceeding 750mm deep                         | No | 10       |          |                                |
| 158   | 100mm Dished gulley not exceeding 500mm deep                                      | No | 10       |          |                                |
| <b>uPVC gulleys</b>   |   |    |          |          |                                |
| 159   | 110mm Gulley not exceeding 500mm deep   | No | 10       |          |                                |
| Carried to Collection   |   |    |          |          |                                |
| Section No. 2   |   |    |          |          |                                |
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| Plumbing And Drainage   |   |    |          |          |                                |
|   |   |    |          | <b>R</b> |                                |

|   |   | Quantity | Rate | Maintenance Contract<br>Amount |
|---|---|----------|------|--------------------------------|
| <b>Brick inspection chambers including benching and channels to suit (covers elsewhere)</b> |   |          |      |                                |
| 160   | 450 x 600mm Brick inspection chamber not exceeding 750mm deep internally<br>No  | 10       |      |                                |
| 161   | 600 x 600mm Brick inspection chamber not exceeding 750mm deep internally<br>No  | 10       |      |                                |
| 162   | 450 x 600mm Brick inspection chamber exceeding 1000mm and not exceeding 1250mm deep internally<br>No  | 10       |      |                                |
| 163   | 450 x 600mm Brick inspection chamber 2000mm deep internally, the lower 750mm increased to 600 x 600mm internally and with 150mm precast concrete reducer slab<br>No   | 10       |      |                                |
| 164   | 1050mm Diameter precast concrete circular inspection chamber exceeding 750mm and not exceeding 1000mm deep internally including cover<br>No   | 10       |      |                                |
| 165   | 1050mm Diameter precast concrete circular inspection chamber exceeding 1500mm and not exceeding 1750mm deep internally including cover<br>No  | 10       |      |                                |
| 166   | 1050mm Diameter precast concrete circular inspection chamber exceeding 2250mm and not exceeding 2500mm deep internally, the lower 1000mm increased to 1500mm diameter internally and with 150mm precast concrete reducer slab including cover<br>No | 10       |      |                                |
| <b>Cast iron covers etc</b>   |   |          |      |                                |
| 167   | 450 x 600 x medium duty double seal manhole cover and frame<br>No   | 10       |      |                                |
| 168   | 550mm Diameter x heavy duty pavement manhole cover and frame<br>No  | 10       |      |                                |
| <b>The following in inspection chambers</b>   |   |          |      |                                |
| 169   | Excavation in earth not exceeding 2m deep<br>m <sup>3</sup>   | 40       |      |                                |
| 170   | Excavation in earth exceeding 2m and not exceeding 4m deep<br>m <sup>3</sup>  | 40       |      |                                |
| 171   | Unreinforced concrete (20MPa) in bottoms<br>m <sup>3</sup>  | 40       |      |                                |
| 172   | Reinforced concrete (20MPa) in bottoms<br>m <sup>3</sup>  | 40       |      |                                |
| Carried to Collection   |   |          | R    |                                |
| Section No. 2   |   |          |      |                                |
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|     |  | Quantity | Rate | Maintenance Contract<br>Amount |
|-----|--|----------|------|--------------------------------|
| 173 | Unreinforced concrete benching in bottom of 450 x 600mm chamber, dished down to channels and finished smooth with cement plaster<br>No   | 40       |      |                                |
| 174 | Unreinforced concrete benching in bottom of 600 x 600mm chamber, dished down to channels and finished smooth with cement plaster<br>No   | 40       |      |                                |
| 175 | 450 x 600 x 100mm Thick precast concrete reducer slab with 300 x 300mm opening including necessary formwork and reinforcement<br>No  | 40       |      |                                |
| 176 | 75mm Thick precast concrete cover slab for 600 x 600mm inspection chamber with 450 x 600mm rebated opening for cover and frame and finished smooth on exposed surfaces with cement plaster, including formwork and reinforcement<br>No | 40       |      |                                |
| 177 | Mild steel or high tensile reinforcing bars of various diameter in concrete bottoms<br>Kg  | 40       |      |                                |
| 178 | Type 100 fabric reinforcement in concrete bottoms<br>m <sup>2</sup>  | 40       |      |                                |
| 179 | Type 193 fabric reinforcement in concrete bottoms<br>m <sup>2</sup>  | 40       |      |                                |
| 180 | Type 245 fabric reinforcement in concrete bottoms<br>m <sup>2</sup>  | 40       |      |                                |
| 181 | One brick walls<br>m <sup>2</sup>  | 40       |      |                                |
| 182 | One and a half brick walls<br>m <sup>2</sup>   | 40       |      |                                |
| 183 | Extra over for fair face to brickwork pointed with flush joints<br>m <sup>2</sup>  | 40       |      |                                |
| 184 | Plaster on brick walls<br>m <sup>2</sup>   | 40       |      |                                |
| 185 | 40mm Diameter galvanised steel rod step iron 600mm long, built in across corner of chamber<br>No   | 40       |      |                                |
| 186 | 100 x 100mm Cast iron horseshoe pattern step iron built into brickwork<br>No   | 40       |      |                                |
|     | <b>French drains in accordance with Ethekwini standard details for french drains</b>   |          |      |                                |
| 187 | French drain 600 x 300mm deep<br>m   | 40       |      |                                |
|     | Carried to Collection  |          | R    |                                |
|     | Section No. 2  |          |      |                                |
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|     | Plumbing And Drainage  |          |      |                                |

|  |  | Quantity       | Rate | Maintenance Contract<br>Amount |
|--|--|----------------|------|--------------------------------|
| <b>Septic tanks</b>  |  |                |      |                                |
| 188  | Approved type 2000 litre 2 compartment PVC septic tank complete with accessories including excavations and placing in position and compacted backfilling | No             | 10   |                                |
| <b>SUNDRIES TO SOIL AND STORMWATER DRAINAGE</b>                |  |                |      |                                |
| <b>Sundries</b>  |  |                |      |                                |
| 189  | Extra over excavation in earth for pipe trenches, chambers, etc for excavation in soft rock  | m <sup>3</sup> | 40   |                                |
| 190  | Extra over excavation in earth for pipe trenches, chambers, etc for excavation in hard rock  | m <sup>3</sup> | 40   |                                |
| 191  | Extra over excavation for pipe trenches, chambers, etc for carting away surplus material to a dumping site to be located by the contractor               | m <sup>3</sup> | 40   |                                |
| 192  | Extra over backfilling to drain trenches, chambers, etc for suitable earth backfilling supplied by the contractor  | m <sup>3</sup> | 40   |                                |
| 193  | Concrete encasing to 100mm horizontal pipes  | m              | 40   |                                |
| 194  | Concrete encasing to 150mm horizontal pipes  | m              | 40   |                                |
| 195  | Concrete encasing to 100mm vertical pipes  | m              | 40   |                                |
| 196  | 350 x 350 x 50mm Precast concrete inspection eye marker slab set in ground   | No             | 40   |                                |
| 197  | 100mm ABC Cast iron cleaning eye cover and frame including concrete encasing   | No             | 40   |                                |
| 198  | 150mm ABC Cast iron cleaning eye cover and frame including concrete encasing   | No             | 40   |                                |
| <b>SANITARY FITTINGS</b>                                       |  |                |      |                                |
| <b>Stainless steel Franke or other equal and approved type</b> |  |                |      |                                |
| 199  | 900 x 460mm SA94 Single end bowl drop on sink fitted on cupboard (cupboard elsewhere)  | No             | 10   |                                |
| Carried to Collection  |  |                |      | R                              |
| Section No. 2  |  |                |      |                                |
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| Plumbing And Drainage  |  |                |      |                                |

|  |   | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---|----------|------|--------------------------------|
| 200  | 1050 x 535mm 711 Trendline single end bowl drop on sink fitted on cupboard (cupboard elsewhere)<br>No                                 | 10       |      |                                |
| 201  | 1200 x 535mm 721 Trendline double end bowl drop on sink fitted on cupboard (cupboard elsewhere)<br>No                                 | 10       |      |                                |
| 202  | 1500 x 535mm 722 Trendline double centre bowl drop on sink fitted on cupboard (cupboard elsewhere)<br>No                              | 10       |      |                                |
| 203  | 600 x 500 x 257mm DLX Luxtup drop on wash trough fitted on cupboard (cupboard elsewhere)<br>No  | 10       |      |                                |
| 204  | 600 x 500 x 257mm DLX Luxtup wall mounted wash trough fitted to wall with Falcon brackets<br>No                                       | 10       |      |                                |
| 205  | 1220mm Long CB102-1220 curved back urinal with automatic high level cistern, flush and sparge pipes and hinged domical grating<br>No  | 10       |      |                                |
| 206  | 1830mm Long CB102-1830 curved back urinal with automatic high level cistern, flush and sparge pipes and hinged domical grating<br>No  | 10       |      |                                |
| 207  | 2440mm Long CB102-2440 curved back urinal with automatic high level cistern, flush and sparge pipes and hinged domical gratings<br>No | 10       |      |                                |
| <b>Ceramic Vaal or other equal and approved type</b> |   |          |      |                                |
| 208  | Taphole stopper<br>No   | 10       |      |                                |
| 209  | Cameo white oval drop in basin with three semi punched tapholes<br>No   | 10       |      |                                |
| 210  | Hibiscus 510 Bermuda white wall hung basin with three semi punched tapholes<br>No   | 10       |      |                                |
| 211  | Concorde 630 paraplegic white basin with fixations fixed to wall<br>No  | 10       |      |                                |
| 212  | Sola 630 white medical basin with fixations fixed to wall<br>No   | 10       |      |                                |
| 213  | Vaal Hibiscus close couple suite with double flap heavy duty plastic seat, cistern, lid and fitments<br>No                            | 10       |      |                                |
| Carried to Collection                                |   |          |      |                                |
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|  |   |          | R    |                                |

|   |   | Quantity | Rate | Maintenance Contract<br>Amount |
|---|---|----------|------|--------------------------------|
| 214   | Daisy semi-close couple suite with double flap heavy duty plastic seat, cistern, lid and fitments<br>No   | 10       |      |                                |
| 215   | Protea paraplegic PAR suite suite with cistern, lid and fitments and purpose made chromium plated side flush lever<br>No                          | 10       |      |                                |
| 216   | Orchid wall hung WC pan with cradle bracket and legs and double flap white epoxy painted wooden seat (flush valve and flush pipe elsewhere)<br>No | 10       |      |                                |
| 217   | 800 x 800mm Cobra Cola shower tray set in 1:6 cement sand bedding<br>No   | 10       |      |                                |
| 218   | Flatback wall hung urinal with spreader and waste union (flush valve elsewhere)<br>No   | 10       |      |                                |
| 219   | Lavatera wall hung urinal with spreader and waste union (flush valve elsewhere)<br>No   | 10       |      |                                |
| <b>WASTE UNIONS ETC</b>                                 |   |          |      |                                |
| <b>Cobra or other equal and approved type</b>           |   |          |      |                                |
| 220   | 32mm Chromium plated basin waste fitting<br>No  | 10       |      |                                |
| 221   | 50mm Chromium plated basin waste fitting<br>No  | 10       |      |                                |
| 222   | 40mm Chromium plated bath or sink waste fitting<br>No   | 10       |      |                                |
| 223   | 32mm Chromium plated bath overflow union<br>No  | 10       |      |                                |
| <b>TRAPS ETC</b>  |   |          |      |                                |
| <b>Marley or Flexi or other equal and approved type</b> |   |          |      |                                |
| 224   | 50mm uPVC one-way vent valve<br>No  | 20       |      |                                |
| 225   | 110mm uPVC one-way vent valve<br>No   | 20       |      |                                |
| 226   | 40mm Rubber P or S trap<br>No   | 20       |      |                                |
| 227   | 40mm Rubber reseal P or S trap<br>No  | 20       |      |                                |
| Carried to Collection                                   |   |          |      | R                              |
| Section No. 2   |   |          |      |                                |
| Bill No. 14   |   |          |      |                                |
| Plumbing And Drainage                                   |   |          |      |                                |

|   |  |    | Quantity | Rate | Maintenance Contract<br>Amount |
|---|--|----|----------|------|--------------------------------|
| 228   | 40mm Rubber bath P trap with overflow outlet and pipe                      | No | 20       |      |                                |
| 229   | 40mm Rubber double bowl wash trough or sink reseal P or S trap combination | No | 20       |      |                                |
| 230   | Anti-vac bottle trap   | No | 20       |      |                                |
| 231   | 50mm Cast iron P trap  | No | 20       |      |                                |
| 232   | 75mm Cast iron P urinal trap   | No | 20       |      |                                |
| 233   | 100mm PVC floor drain  | No | 20       |      |                                |
| 234   | 75mm Chromium plated hinged urinal domical grating                         | No | 20       |      |                                |
| 235   | 40mm Brass shower trap with chromium plated grating                        | No | 20       |      |                                |
| 236   | 50mm Brass shower trap with chromium plated waste and grating              | No | 20       |      |                                |
| 237   | 32mm Chromium plated PVC bottle trap                                       | No | 20       |      |                                |
| 238   | 32mm Chromium plated brass bottle trap                                     | No | 20       |      |                                |
| 239   | 40mm Chromium plated PVC bottle trap                                       | No | 20       |      |                                |
| 240   | 40mm Chromium plated brass bottle trap                                     | No | 20       |      |                                |
| 241   | 40mm Brass bath trap with combined bath waste and overflow                 | No | 20       |      |                                |
| <b>TAPS, VALVES, ETC</b>                      |  |    |          |      |                                |
| <b>Cobra or other equal and approved type</b> |  |    |          |      |                                |
| 242   | Cobra 1030-15 15mm Brass mini ball valve                                   | No | 20       |      |                                |
| 243   | Cobra 1080-20 20mm Brass ball cock with lever                              | No | 20       |      |                                |
| Carried to Collection                         |  |    |          | R    |                                |
| Section No. 2                                 |  |    |          |      |                                |
| Bill No. 14                                   |  |    |          |      |                                |
| Plumbing And Drainage                         |  |    |          |      |                                |







|     |  |    | Quantity | Rate | Maintenance Contract<br>Amount |
|-----|--|----|----------|------|--------------------------------|
| 294 | Cobra Junior FJ6-000 brushed chrome exposed type urinal flushvalve | No | 10       |      |                                |
|     | <b>Kwikot or other equal and approved type</b>                     |    |          |      |                                |
| 295 | KHN3.104 15mm Copper to copper mono valve (400kPa)                 | No | 10       |      |                                |
| 296 | KHN3.106 15mm Copper to copper mono valve (600kPa)                 | No | 10       |      |                                |
| 297 | KHN3.112 22mm Copper to copper mono valve (200kPa)                 | No | 10       |      |                                |
| 298 | KHN3.114 22mm Copper to copper mono valve (400kPa)                 | No | 10       |      |                                |
| 299 | KHN3.116 22mm Copper to copper mono valve (600kPa)                 | No | 10       |      |                                |
| 300 | KHN3.204 15mm Copper to copper multi valve (400kPa)                | No | 10       |      |                                |
| 301 | KHN3.206 15mm Copper to copper multi valve (600kPa)                | No | 10       |      |                                |
| 302 | KHN3.212 22mm Copper to copper multi valve (200kPa)                | No | 10       |      |                                |
| 303 | KHN3.214 22mm Copper to copper multi valve (400kPa)                | No | 10       |      |                                |
| 304 | KHN3.216 22mm Copper to copper multi valve (600kPa)                | No | 10       |      |                                |
|     | <b>SANITARY PLUMBING</b>   |    |          |      |                                |
|     | <b>PVC-U soil and vent pipes</b>                                   |    |          |      |                                |
| 305 | 40mm Pipes   | m  | 40       |      |                                |
| 306 | 50mm Pipes   | m  | 40       |      |                                |
| 307 | 110mm Pipes  | m  | 40       |      |                                |
| 308 | 160mm Pipes  | m  | 40       |      |                                |
| 309 | 40mm Pipes chased into brickwork or concrete                       | m  | 40       |      |                                |
|     | Carried to Collection  |    |          | R    |                                |
|     | Section No. 2  |    |          |      |                                |
|     | Bill No. 14  |    |          |      |                                |
|     | Plumbing And Drainage  |    |          |      |                                |

|  |   | Quantity | Rate     | Maintenance Contract<br>Amount |
|--|---|----------|----------|--------------------------------|
| 310  | 50mm Pipes chased into brickwork or concrete<br>m   | 40       |          |                                |
| 311  | 50mm Pipes suspended exceeding not exceeding 1m below concrete soffits<br>m                         | 40       |          |                                |
| 312  | 110mm Pipes suspended exceeding not exceeding 1m below concrete soffits<br>m                        | 40       |          |                                |
| 313  | 160mm Pipes suspended exceeding not exceeding 1m below concrete soffits<br>m                        | 40       |          |                                |
| 314  | 110mm Pipes suspended not exceeding 1m below steel roof trusses at not exceeding 900mm centres<br>m | 40       |          |                                |
| 315  | 160mm Pipes suspended not exceeding 1m below steel roof trusses at not exceeding 900mm centres<br>m | 40       |          |                                |
| <b>Extra over PVC-U soil and vent pipes for fittings</b> |   |          |          |                                |
| 316  | 40mm End cap<br>No  | 40       |          |                                |
| 317  | 50mm End cap<br>No  | 40       |          |                                |
| 318  | 40mm BSP adaptor<br>No  | 40       |          |                                |
| 319  | 50mm BSP adaptor<br>No  | 40       |          |                                |
| 320  | 110mm Reducer<br>No   | 40       |          |                                |
| 321  | 160mm Reducer<br>No   | 40       |          |                                |
| 322  | 110mm Eccentric reducer<br>No   | 40       |          |                                |
| 323  | 160mm Eccentric reducer<br>No   | 40       |          |                                |
| 324  | 110mm Pan connector<br>No   | 40       |          |                                |
| 325  | 110mm Bent pan connector<br>No  | 40       |          |                                |
| Carried to Collection                                    |   |          | <b>R</b> |                                |
| Section No. 2  |   |          |          |                                |
| Bill No. 14  |   |          |          |                                |
| Plumbing And Drainage                                    |   |          |          |                                |



|                       |   |                       | Quantity | Rate | Maintenance Contract<br>Amount |
|-----------------------|---|-----------------------|----------|------|--------------------------------|
| 343                   | 110mm Access bend                       | No                    | 40       |      |                                |
| 344                   | 160mm Access bend                       | No                    | 40       |      |                                |
| 345                   | 110mm Access bend with anti-syphon horn | No                    | 40       |      |                                |
| 346                   | 50mm Access junction                    | No                    | 40       |      |                                |
| 347                   | 110mm Access junction                   | No                    | 40       |      |                                |
| 348                   | 160mm Access junction                   | No                    | 40       |      |                                |
| 349                   | 110mm Access reducing junction          | No                    | 40       |      |                                |
| 350                   | 160mm Access reducing junction          | No                    | 40       |      |                                |
| 351                   | 50mm Access double junction             | No                    | 40       |      |                                |
| 352                   | 110mm Access double junction            | No                    | 40       |      |                                |
| 353                   | 110mm Access reducing double junction   | No                    | 40       |      |                                |
| 354                   | 160mm Access reducing double junction   | No                    | 40       |      |                                |
| 355                   | 50mm Air vent cowl                      | No                    | 40       |      |                                |
| 356                   | 110mm Air vent cowl                     | No                    | 40       |      |                                |
| 357                   | 50mm Two-way vent valve                 | No                    | 40       |      |                                |
| 358                   | 110mm Two-way vent valve                | No                    | 40       |      |                                |
|                       |   |                       |          |      |                                |
|                       |   | Carried to Collection |          |      | R                              |
| Section No. 2         |   |                       |          |      |                                |
| Bill No. 14           |   |                       |          |      |                                |
| Plumbing And Drainage |   |                       |          |      |                                |

|  |  |    | Quantity | Rate | Maintenance Contract<br>Amount |
|--|--|----|----------|------|--------------------------------|
| <b>Cast iron pipes with spigot and socket joints</b>                         |  |    |          |      |                                |
| 359  | 50mm Pipes   | m  | 40       |      |                                |
| 360  | 100mm Pipes  | m  | 40       |      |                                |
| 361  | 50mm Pipes chased into brickwork or concrete   | m  | 40       |      |                                |
| 362  | 50mm Pipes suspended not exceeding 1m below concrete soffits                                   | m  | 40       |      |                                |
| 363  | 100mm Pipes suspended not exceeding 1m below concrete soffits                                  | m  | 40       |      |                                |
| 364  | 50mm Pipes suspended not exceeding 1m below steel roof trusses at not exceeding 900mm centres  | m  | 40       |      |                                |
| 365  | 100mm Pipes suspended not exceeding 1m below steel roof trusses at not exceeding 900mm centres | m  | 40       |      |                                |
| <b>Extra over cast iron pipes with spigot and socket joints for fittings</b> |  |    |          |      |                                |
| 366  | 100mm Eccentric reducer  | No | 40       |      |                                |
| 367  | 100mm Rodding eye  | No | 40       |      |                                |
| 368  | 50mm Bend  | No | 40       |      |                                |
| 369  | 100mm Bend   | No | 40       |      |                                |
| 370  | 50mm Junction  | No | 40       |      |                                |
| 371  | 100mm Junction   | No | 40       |      |                                |
| 372  | 100mm Reducing junction  | No | 40       |      |                                |
| 373  | 50mm Double junction   | No | 40       |      |                                |
| Carried to Collection  |  |    |          | R    |                                |
| Section No. 2  |  |    |          |      |                                |
| Bill No. 14  |  |    |          |      |                                |
| Plumbing And Drainage  |  |    |          |      |                                |

|   |   |    | Quantity | Rate | Maintenance Contract<br>Amount |
|---|---|----|----------|------|--------------------------------|
| 374   | 100mm Double junction   | No | 40       |      |                                |
| 375   | 100mm Reducing double junction                                  | No | 40       |      |                                |
| 376   | 100mm Pan connector   | No | 40       |      |                                |
| 377   | 100mm Access pipe   | No | 40       |      |                                |
| 378   | 50mm Access bend  | No | 40       |      |                                |
| 379   | 100mm Access bend   | No | 40       |      |                                |
| 380   | 50mm Access junction  | No | 40       |      |                                |
| 381   | 100mm Access junction   | No | 40       |      |                                |
| 382   | 100mm Access reducing junction                                  | No | 40       |      |                                |
| 383   | 100mm Access double junction                                    | No | 40       |      |                                |
| 384   | 100mm Access reducing double junction                           | No | 40       |      |                                |
| <b>Approved type pumps etc</b>                                  |   |    |          |      |                                |
| <b>Testing</b>  |   |    |          |      |                                |
| 385   | Testing waste pipe system                                       | No | 40       |      |                                |
| <b>WATER SUPPLIES TO FIRE SERVICES</b>                          |   |    |          |      |                                |
| <b>Class 16 PVC-U pressure pipes with solvent welded joints</b> |   |    |          |      |                                |
| 386   | 32mm Pipes laid in and including trenches not exceeding 1m deep | m  | 40       |      |                                |
| 387   | 50mm Pipes laid in and including trenches not exceeding 1m deep | m  | 40       |      |                                |
| 388   | 80mm Pipes laid in and including trenches not exceeding 1m deep | m  | 40       |      |                                |
|   |   |    |          |      |                                |
| Carried to Collection   |   |    |          | R    |                                |
| Section No. 2   |   |    |          |      |                                |
| Bill No. 14   |   |    |          |      |                                |
| Plumbing And Drainage   |   |    |          |      |                                |

|   |  |    | Quantity | Rate | Maintenance Contract<br>Amount |
|---|--|----|----------|------|--------------------------------|
| 389   | 100mm Pipes laid in and including trenches not exceeding 1m deep | m  | 40       |      |                                |
| <b>Extra over Class 16 PVC-U pressure pipes for fittings with solvent welded joints</b> |  |    |          |      |                                |
| 390   | 32mm Bend  | No | 40       |      |                                |
| 391   | 50mm Bend  | No | 40       |      |                                |
| 392   | 80mm Bend  | No | 40       |      |                                |
| 393   | 100mm Bend   | No | 40       |      |                                |
| <b>Class 16 HDPE pipes with 'plasson' fittings</b>                                      |  |    |          |      |                                |
| 394   | 25mm Pipes laid in and including trenches not exceeding 1m deep  | m  | 40       |      |                                |
| 395   | 32mm Pipes laid in and including trenches not exceeding 1m deep  | m  | 40       |      |                                |
| 396   | 40mm Pipes laid in and including trenches not exceeding 1m deep  | m  | 40       |      |                                |
| 397   | 50mm Pipes laid in and including trenches not exceeding 1m deep  | m  | 40       |      |                                |
| 398   | 65mm Pipes laid in and including trenches not exceeding 1m deep  | m  | 40       |      |                                |
| 399   | 80mm Pipes laid in and including trenches not exceeding 1m deep  | m  | 40       |      |                                |
| 400   | 100mm Pipes laid in and including trenches not exceeding 1m deep | m  | 40       |      |                                |
| <b>Extra over Class 10 HDPE type IV pipes fo 'plasson' fittings</b>                     |  |    |          |      |                                |
| 401   | 25mm Fittings  | No | 40       |      |                                |
| 402   | 32mm Reducer   | No | 40       |      |                                |
| 403   | 40mm Reducer   | No | 40       |      |                                |
| Carried to Collection   |  |    |          |      |                                |
| Section No. 2   |  |    |          | R    |                                |
| Bill No. 14   |  |    |          |      |                                |
| Plumbing And Drainage   |  |    |          |      |                                |



|                       |   | Quantity | Rate     | Maintenance Contract<br>Amount |
|-----------------------|---|----------|----------|--------------------------------|
| 420                   | 22mm Pipes  | m        | 40       |                                |
| 421                   | 22mm Pipes laid in ground including excavation not exceeding 1m deep  | m        | 40       |                                |
| 422                   | 28mm Pipes  | m        | 40       |                                |
| 423                   | 28mm Pipes laid in ground including excavation not exceeding 1m deep  | m        | 40       |                                |
| 424                   | 35mm Pipes  | m        | 40       |                                |
| 425                   | 35mm Pipes laid in ground including excavation not exceeding 1m deep  | m        | 40       |                                |
| 426                   | 42mm Pipes  | m        | 40       |                                |
| 427                   | 42mm Pipes laid in ground including excavation not exceeding 1m deep  | m        | 40       |                                |
| 428                   | 54mm Pipes  | m        | 40       |                                |
| 429                   | 54mm Pipes laid in ground including excavation not exceeding 1m deep  | m        | 40       |                                |
| 430                   | 67mm Pipes  | m        | 40       |                                |
| 431                   | 67mm Pipes laid in ground including excavation not exceeding 1m deep  | m        | 40       |                                |
| 432                   | 76mm Pipes  | m        | 40       |                                |
| 433                   | 76mm Pipes laid in ground including excavation not exceeding 1m deep  | m        | 40       |                                |
| 434                   | 108mm Pipes   | m        | 40       |                                |
| 435                   | 108mm Pipes laid in ground including excavation not exceeding 1m deep | m        | 40       |                                |
| 436                   | 15mm Pipes chased into brickwork including brown paper lagging        | m        | 40       |                                |
| Carried to Collection |   |          |          |                                |
| Section No. 2         |   |          |          |                                |
| Bill No. 14           |   |          |          |                                |
| Plumbing And Drainage |   |          |          |                                |
|                       |   |          | <b>R</b> |                                |

|   |  | Quantity | Rate | Maintenance Contract<br>Amount |
|---|--|----------|------|--------------------------------|
| 437   | 22mm Pipes chased into brickwork including brown paper lagging | m        | 40   |                                |
| 438   | 28mm Pipes chased into brickwork including brown paper lagging | m        | 40   |                                |
| <b>Extra over Class 2 copper pipes for capillary fittings</b> |  |          |      |                                |
| 439   | 15mm Fittings  | No       | 40   |                                |
| 440   | 22mm Fittings  | No       | 40   |                                |
| 441   | 28mm Fittings  | No       | 40   |                                |
| 442   | 35mm Reducer   | No       | 40   |                                |
| 443   | 54mm Reducer   | No       | 40   |                                |
| 444   | 76mm Reducer   | No       | 40   |                                |
| 445   | 108mm Reducer  | No       | 40   |                                |
| 446   | 35mm Elbow   | No       | 40   |                                |
| 447   | 42mm Elbow   | No       | 40   |                                |
| 448   | 67mm Elbow   | No       | 40   |                                |
| 449   | 76mm Elbow   | No       | 40   |                                |
| 450   | 108mm Elbow  | No       | 40   |                                |
| 451   | 35mm Tee   | No       | 40   |                                |
| 452   | 42mm Tee   | No       | 40   |                                |
| Carried to Collection   |  |          |      | R                              |
| Section No. 2   |  |          |      |                                |
| Bill No. 14   |  |          |      |                                |
| Plumbing And Drainage   |  |          |      |                                |

|   |                                |    | Quantity | Rate     | Maintenance Contract<br>Amount |
|---|--------------------------------|----|----------|----------|--------------------------------|
| 453   | 54mm Tee                       | No | 40       |          |                                |
| 454   | 67mm Tee                       | No | 40       |          |                                |
| 455   | 76mm Tee                       | No | 40       |          |                                |
| 456   | 108mm Tee                      | No | 40       |          |                                |
| 457   | 35mm Reducing tee              | No | 40       |          |                                |
| 458   | 54mm Reducing tee              | No | 40       |          |                                |
| 459   | 67mm Reducing tee              | No | 40       |          |                                |
| 460   | 76mm Reducing tee              | No | 40       |          |                                |
| 461   | 108mm Reducing tee             | No | 40       |          |                                |
| <b>Extra over Class 2 copper pipes for brass compression fittings</b> |                                |    |          |          |                                |
| 462   | 15mm Fittings                  | No | 40       |          |                                |
| 463   | 22mm Fittings                  | No | 40       |          |                                |
| 464   | 28mm Fittings                  | No | 40       |          |                                |
| 465   | 32mm Reducing coupling         | No | 40       |          |                                |
| 466   | 32mm Adaptor coupling          | No | 40       |          |                                |
| 467   | 32mm Bent adaptor coupling     | No | 40       |          |                                |
| 468   | 32mm Reducing adaptor coupling | No | 40       |          |                                |
| Carried to Collection   |                                |    |          |          |                                |
|   |                                |    |          | <b>R</b> |                                |
| Section No. 2<br>Bill No. 14<br>Plumbing And Drainage                 |                                |    |          |          |                                |

|                       |   |    | Quantity | Rate | Maintenance Contract<br>Amount |
|-----------------------|---|----|----------|------|--------------------------------|
| 469                   | 32mm Reducing bent adaptor coupling   | No | 40       |      |                                |
| 470                   | 32mm Elbow  | No | 40       |      |                                |
| 471                   | 32mm Tee  | No | 40       |      |                                |
| 472                   | 32mm Reducing elbow   | No | 40       |      |                                |
| 473                   | 32mm Reducing tee   | No | 40       |      |                                |
| 474                   | 40mm Multi-step reducer   | No | 40       |      |                                |
| 475                   | 100mm Cast iron flanged non-return valve  | No | 40       |      |                                |
| 476                   | 100mm Cast iron flanged gate valve  | No | 40       |      |                                |
| <b>HYDRANTS ETC</b>   |   |    |          |      |                                |
| <b>Approved type</b>  |   |    |          |      |                                |
| 477                   | 100mm Diameter 2500 KPa pressure gauge syphon and stopcock, including tapped hole in steel pipe             | No | 40       |      |                                |
| 478                   | 80 x 65mm Brass right-angle hydrant valve with cap and chain  | No | 40       |      |                                |
| 479                   | 80 x 65mm Brass double booster pump connection and Y-piece, with caps and chains                            | No | 40       |      |                                |
| 480                   | 100mm Brass hydrant including two flanged spacer pipes, 100mm duckfoot bend, connecting bolts, gaskets, etc | No | 40       |      |                                |
| 481                   | 'Woodlands' WHS-80 right angle brass hydrant valve on concrete pedestal (pedestal elsewhere)                | No | 40       |      |                                |
| 482                   | 'Woodlands' WMB-100 2 port booster complete with gauge  | No | 40       |      |                                |
| Carried to Collection |   |    |          |      |                                |
| Section No. 2         |   |    |          |      |                                |
| Bill No. 14           |   |    |          |      |                                |
| Plumbing And Drainage |   |    |          |      |                                |
|                       |   |    |          | R    |                                |

|  |   |    | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---|----|----------|------|--------------------------------|
| <b>Testing</b>                                 |   |    |          |      |                                |
| 483  | Testing water pipe system   | No | 40       |      |                                |
| <b>DRIP TRAYS, TANKS, ETC</b>                  |   |    |          |      |                                |
| <b>0,6mm Galvanised sheet steel or PVC</b>     |   |    |          |      |                                |
| 484  | 600 x 1500mm Drip tray for water heater, with 100mm high upstand all round with top edge bent over and with 50mm threaded outlet union  | No | 20       |      |                                |
| <b>ELECTRIC WATER HEATERS</b>                  |   |    |          |      |                                |
| <b>Kwikot or other equal and approved type</b> |   |    |          |      |                                |
| 485  | Prisma 10 litre under basin hot water geyser installed including all necessary copper pipes, fittings, valves, overflow pipes, etc. (electrical connection by others)                               | No | 20       |      |                                |
| 486  | 400 Dual Superline 50 litre 400kPa geyser installed horizontally or vertically including all necessary copper pipes, fittings, valves, drip tray, overflow, etc. (electrical connection by others)  | No | 20       |      |                                |
| 487  | 400 Dual Superline 100 litre 400kPa geyser installed horizontally or vertically including all necessary copper pipes, fittings, valves, drip tray, overflow, etc. (electrical connection by others) | No | 20       |      |                                |
| 488  | 400 Dual Superline 150 litre 400kPa geyser installed horizontally or vertically including all necessary copper pipes, fittings, valves, drip tray, overflow, etc. (electrical connection by others) | No | 20       |      |                                |
| 489  | 400 Dual Superline 200 litre 400kPa geyser installed horizontally or vertically including all necessary copper pipes, fittings, valves, drip tray, overflow, etc. (electrical connection by others) | No | 20       |      |                                |
| 490  | 400 Dual Superline 250 litre 400kPa geyser installed horizontally or vertically including all necessary copper pipes, fittings, valves, drip tray, overflow, etc. (electrical connection by others) | No | 20       |      |                                |
| <b>FIRE APPLIANCES ETC</b>                     |   |    |          |      |                                |
| 491  | Fire hose reel with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket   | No | 20       |      |                                |
| 492  | 2.5kg Dry chemical powder fire extinguisher   | No | 20       |      |                                |
| 493  | 4.5kg Dry chemical powder fire extinguisher   | No | 20       |      |                                |
| Carried to Collection                          |   |    |          | R    |                                |
| Section No. 2                                  |   |    |          |      |                                |
| Bill No. 14                                    |   |    |          |      |                                |
| Plumbing And Drainage                          |   |    |          |      |                                |

|     |   | Quantity       | Rate | Maintenance Contract<br>Amount |
|-----|---|----------------|------|--------------------------------|
| 494 | 9kg Carbon dioxide fire extinguisher  | No             | 20   |                                |
|     | <b>Sundries</b>   |                |      |                                |
| 495 | Unreinforced concrete in thrust blocks in trenches at bends, tees, etc including extra excavation, formwork, etc  | m <sup>3</sup> | 20   |                                |
| 496 | 450 x 450 x 7kg Cast iron stopcock box including brick chamber below not exceedin 600mm deep internally   | No             | 20   |                                |
| 497 | 600 x 600 x 7kg Cast iron meter or valve box including brick chamber below not exceeding 600mm deep internally  | No             | 20   |                                |
| 498 | 450 x 600mm x meduim duty cast iron single seal cover and frame   | No             | 20   |                                |
|     | <b>Fire hydrant pedestals</b>   |                |      |                                |
| 499 | Unreinforced concrete hydrant pedestal 900mm high, cast around vertical pipe with bottom 300mm below ground, 300 x 300mm square at base and tapering to 200 x 200mm overall octagonal shaped top, including excavation, formwork and two coats of paint to exposed surfaces | No             | 20   |                                |
| 500 | Selected granular filling in bedding under and filling around pipes   | m <sup>3</sup> | 20   |                                |
|     | <b>PIPE INSULATION</b>  |                |      |                                |
|     | <b>10mm Thick approved type pipe insulation</b>   |                |      |                                |
| 501 | Insulation to 15mm internal diameter pipes including couplings and fittings   | m              | 40   |                                |
| 502 | Insulation to 20mm internal diameter pipes including couplings and fittings   | m              | 40   |                                |
| 503 | Insulation to 20mm internal diameter pipes including couplings and fittings   | m              | 40   |                                |
| 504 | Insulation to 25mm internal diameter pipes including couplings and fittings   | m              | 40   |                                |
| 505 | Insulation to 32mm internal diameter pipes including couplings  | m              | 40   |                                |
| 506 | Insulation to 50mm internal diameter pipes including couplings  | m              | 40   |                                |
|     | Carried to Collection   |                |      | R                              |
|     | Section No. 2   |                |      |                                |
|     | Bill No. 14   |                |      |                                |
|     | Plumbing And Drainage   |                |      |                                |

|  |   |    | Quantity | Rate | Maintenance Contract<br>Amount |
|--|---|----|----------|------|--------------------------------|
| <b>Extra over 10mm pipe insulation for insulation around</b>                           |   |    |          |      |                                |
| 507  | 32mm Fittings   | No | 40       |      |                                |
| 508  | 50mm Fittings   | No | 40       |      |                                |
| <b>20mm Thick approved type pipe insulation</b>  |   |    |          |      |                                |
| 509  | Insulation to 15mm internal diameter pipes including couplings and fittings | m  | 40       |      |                                |
| 510  | Insulation to 25mm internal diameter pipes including couplings and fittings | m  | 40       |      |                                |
| 511  | Insulation to 32mm internal diameter pipes including couplings              | m  | 40       |      |                                |
| 512  | Insulation to 50mm internal diameter pipes including couplings              | m  | 40       |      |                                |
| <b>Extra over 20mm pipe insulation for insulation around</b>                           |   |    |          |      |                                |
| 513  | 32mm Fittings   | No | 40       |      |                                |
| 514  | 50mm Fittings   | No | 40       |      |                                |
| <b>SLEEVES</b>   |   |    |          |      |                                |
| <b>PVC sleeves for pipes not exceeding 100mm external diameter</b>                     |   |    |          |      |                                |
| 515  | Sleeve not exceeding 250mm long   | No | 40       |      |                                |
| 516  | Sleeve exceeding 250mm and not exceeding 500mm long                         | No | 40       |      |                                |
| <b>PVC sleeves for pipes exceeding 100mm and not exceeding 200mm external diameter</b> |   |    |          |      |                                |
| 517  | Sleeve not exceeding 250mm long   | No | 40       |      |                                |
| 518  | Sleeve exceeding 250mm and not exceeding 500mm long                         | No | 40       |      |                                |
| <b>HOLES ETC</b>   |   |    |          |      |                                |
| <b>Core drilling hole not exceeding 50mm diameter</b>                                  |   |    |          |      |                                |
| 519  | Not exceeding 300mm thick reinforced concrete slab, beam, wall, etc         | No | 40       |      |                                |
|  |   |    |          |      |                                |
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**SECTION NO. 2**  
**SUPERSTRUCTURE**

**BILL NO. 15**  
**GLAZING**

The Contractor is Referred to the relevent Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**GLAZING TO STEEL WITH PUTTY**

**4mm Clear float glass**

|   |   |                |    |  |  |
|---|---|----------------|----|--|--|
| 1 | Panes not exceeding 0,1m                    | m <sup>2</sup> | 40 |  |  |
| 2 | Panes exceeding 0,1m and not exceeding 0,5m | m <sup>2</sup> | 40 |  |  |
| 3 | Panes exceeding 0,5m and not exceeding 2m   | m <sup>2</sup> | 40 |  |  |
| 4 | Panes exceeding 2m and not exceeding 4m     | m <sup>2</sup> | 40 |  |  |

**5mm Clear float glass**

|   |   |                |    |  |  |
|---|---|----------------|----|--|--|
| 5 | Panes not exceeding 0,1m                    | m <sup>2</sup> | 40 |  |  |
| 6 | Panes exceeding 0,1m and not exceeding 0,5m | m <sup>2</sup> | 40 |  |  |
| 7 | Panes exceeding 0,5m and not exceeding 2m   | m <sup>2</sup> | 40 |  |  |
| 8 | Panes exceeding 2m and not exceeding 4m     | m <sup>2</sup> | 40 |  |  |

**4mm Obscure glass**

|    |   |                |    |  |  |
|----|---|----------------|----|--|--|
| 9  | Panes not exceeding 0,1m                    | m <sup>2</sup> | 40 |  |  |
| 10 | Panes exceeding 0,1m and not exceeding 0,5m | m <sup>2</sup> | 40 |  |  |
| 11 | Panes exceeding 0,5m and not exceeding 2m   | m <sup>2</sup> | 40 |  |  |
| 12 | Panes exceeding 2m and not exceeding 4m     | m <sup>2</sup> | 40 |  |  |

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Section No. 2  
Bill No. 15  
Glazing



|   |   | Quantity       | Rate | Maintenance Contract Amount |
|---|---|----------------|------|-----------------------------|
| 28                                      | Panes exceeding 0,5m and not exceeding 2m   | m <sup>2</sup> | 40   |                             |
| 29                                      | Panes exceeding 2m and not exceeding 4m     | m <sup>2</sup> | 40   |                             |
| <b>5mm Clear float glass</b>            |   |                |      |                             |
| 30                                      | 5mmPanes not exceeding 0,1m                 | m <sup>2</sup> | 40   |                             |
| 31                                      | Panes exceeding 0,1m and not exceeding 0,5m | m <sup>2</sup> | 40   |                             |
| 32                                      | Panes exceeding 0,5m and not exceeding 2m   | m <sup>2</sup> | 40   |                             |
| 33                                      | Panes exceeding 2m and not exceeding 4m     | m <sup>2</sup> | 40   |                             |
| <b>5mm Obscure glass</b>                |   |                |      |                             |
| 34                                      | Panes not exceeding 0,1m                    | m <sup>2</sup> | 40   |                             |
| 35                                      | Panes exceeding 0,1m and not exceeding 0,5m | m <sup>2</sup> | 40   |                             |
| 36                                      | Panes exceeding 0,5m and not exceeding 2m   | m <sup>2</sup> | 40   |                             |
| 37                                      | Panes exceeding 2m and not exceeding 4m     | m <sup>2</sup> | 40   |                             |
| <b>6mm Clear toughened safety glass</b> |   |                |      |                             |
| 38                                      | Panes not exceeding 0,1m                    | m <sup>2</sup> | 40   |                             |
| 39                                      | Panes exceeding 0,1m and not exceeding 0,5m | m <sup>2</sup> | 40   |                             |
| 40                                      | Panes exceeding 0,5m and not exceeding 2m   | m <sup>2</sup> | 40   |                             |
| 41                                      | Panes exceeding 2m and not exceeding 4m     | m <sup>2</sup> | 40   |                             |
| <b>Sundries</b>                         |   |                |      |                             |
| 42                                      | Polished edges to 5mm float glass           | m              | 40   |                             |
| Carried to Collection                   |   |                |      | R                           |
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| Glazing                                 |   |                |      |                             |

|   |  | Quantity | Rate     | Maintenance Contract Amount |
|---|--|----------|----------|-----------------------------|
| 43  | Polished edges to 6mm laminated glass  | m        | 40       |                             |
| 44  | Butt joints to 6mm toughened glass including polished edges and silicone sealant | m        | 40       |                             |
| 45  | Butt joints to 6mm laminated glass including polished edges and silicone sealant | m        | 40       |                             |
| <b>GLASS LOUVRE BLADES</b>  |  |          |          |                             |
| <b>5mm Clear float glass louvre blades with polished edges</b>  |  |          |          |                             |
| 46  | Louvre blades 150mm wide x 500mm long  | No       | 40       |                             |
| 47  | Louvre blades 150mm wide x 750mm long  | No       | 40       |                             |
| <b>TOPS, SHELVES, DOORS, MIRRORS, ETC</b>   |  |          |          |                             |
| <b>6mm Silvered float glass copper backed mirrors with polished edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</b> |  |          |          |                             |
| 48  | Mirror 300 x 300mm high with four screws   | No       | 40       |                             |
| 49  | Mirror 300 x 450mm high with four screws   | No       | 40       |                             |
| 50  | Mirror 450 x 450mm high with four screws   | No       | 40       |                             |
| 51  | Mirror 600 x 450mm high with six screws  | No       | 40       |                             |
| 52  | Mirror 900 x 450mm high with eight screws  | No       | 40       |                             |
| 53  | Mirror 900 x 900mm high with ten screws  | No       | 40       |                             |
| Carried to Collection   |  |          |          |                             |
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**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 16**  
**PAINTWORK**

The Contractor is Referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**ON NEW QUARRY TILE SURFACES**

**Two coats approved brick dressing**

|   |        |                |    |  |  |
|---|--------|----------------|----|--|--|
| 1 | Floors | m <sup>2</sup> | 40 |  |  |
|---|--------|----------------|----|--|--|

|   |                        |                |    |  |  |
|---|------------------------|----------------|----|--|--|
| 2 | Sills, thresholds, etc | m <sup>2</sup> | 40 |  |  |
|---|------------------------|----------------|----|--|--|

**ON NEW INTERNAL FLOATED PLASTER SURFACES**

**One coat alkali resistant primer and two coats PVA emulsion paint for interior use**

|   |       |                |    |  |  |
|---|-------|----------------|----|--|--|
| 3 | Walls | m <sup>2</sup> | 40 |  |  |
|---|-------|----------------|----|--|--|

|   |                                    |                |    |  |  |
|---|------------------------------------|----------------|----|--|--|
| 4 | Walls in patterned multi - colours | m <sup>2</sup> | 40 |  |  |
|---|------------------------------------|----------------|----|--|--|

|   |   |                |    |  |  |
|---|---|----------------|----|--|--|
| 5 | Ceilings and beams (White colour group) | m <sup>2</sup> | 40 |  |  |
|---|---|----------------|----|--|--|

|   |   |                |    |  |  |
|---|---|----------------|----|--|--|
| 6 | Mouldings and bands picked out in colours differing from surrounding work | m <sup>2</sup> | 40 |  |  |
|---|---|----------------|----|--|--|

|   |   |   |    |  |  |
|---|---|---|----|--|--|
| 7 | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work | m | 40 |  |  |
|---|---|---|----|--|--|

**One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use**

|   |       |                |    |  |  |
|---|-------|----------------|----|--|--|
| 8 | Walls | m <sup>2</sup> | 40 |  |  |
|---|-------|----------------|----|--|--|

|   |                                    |                |    |  |  |
|---|------------------------------------|----------------|----|--|--|
| 9 | Walls in patterned multi - colours | m <sup>2</sup> | 40 |  |  |
|---|------------------------------------|----------------|----|--|--|

|    |   |                |    |  |  |
|----|---|----------------|----|--|--|
| 10 | Ceilings and beams (White colour group) | m <sup>2</sup> | 40 |  |  |
|----|---|----------------|----|--|--|

|    |   |                |    |  |  |
|----|---|----------------|----|--|--|
| 11 | Mouldings and bands picked out in colours differing from surrounding work | m <sup>2</sup> | 40 |  |  |
|----|---|----------------|----|--|--|

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 Bill No. 16  
 Paintwork

|               |   | Quantity       | Rate | Maintenance Contract Amount |
|---------------|---|----------------|------|-----------------------------|
| 12            | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work   | m              | 40   |                             |
|               | <b>One coat alkali resistant primer and two coats low odour premium quality highly washable and stain resistant acrylic emulsion paint for interior use</b> |                |      |                             |
| 13            | Walls   | m <sup>2</sup> | 40   |                             |
| 14            | Walls in patterned multi - colours  | m <sup>2</sup> | 40   |                             |
| 15            | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40   |                             |
| 16            | Mouldings and bands picked out in colours differing from surrounding work   | m <sup>2</sup> | 40   |                             |
| 17            | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work   | m              | 40   |                             |
|               | <b>One coat alkali resistant primer and two coats premium quality polyurethane enamel paint</b>   |                |      |                             |
| 18            | Walls   | m <sup>2</sup> | 40   |                             |
| 19            | Walls in patterned multi - colours  | m <sup>2</sup> | 40   |                             |
| 20            | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40   |                             |
| 21            | Mouldings and bands picked out in colours differing from surrounding work   | m <sup>2</sup> | 40   |                             |
| 22            | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work   | m              | 40   |                             |
|               | <b>One coat alkali resistant primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint</b>                     |                |      |                             |
| 23            | Walls   | m <sup>2</sup> | 40   |                             |
| 24            | Walls in patterned multi - colours  | m <sup>2</sup> | 40   |                             |
| 25            | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40   |                             |
|               | Carried to Collection   |                |      | R                           |
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| Paintwork     |   |                |      |                             |

Quantity

Rate

Amount

|   |   |                |    |
|---|---|----------------|----|
| 26  | Mouldings and bands picked out in colours differing from surrounding work                                   | m <sup>2</sup> | 40 |
| 27  | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work | m              | 40 |
| <b>One coat alkali resistant primer, one coat superior quality acrylic emulsion paint for interior and exterior use and one coat pure acrylic smooth ripple paint applied with a stipple roller</b> |   |                |    |
| 28  | Walls   | m <sup>2</sup> | 40 |
| 29  | Walls in patterned multi - colours  | m <sup>2</sup> | 40 |
| 30  | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40 |
| 31  | Mouldings and bands picked out in colours differing from surrounding work                                   | m <sup>2</sup> | 40 |
| 32  | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work | m              | 40 |
| <b>ON NEW EXTERNAL FLOATED PLASTER SURFACES</b>   |   |                |    |
| <b>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</b>   |   |                |    |
| 33  | Walls   | m <sup>2</sup> | 40 |
| 34  | Walls in patterned multi-colours  | m <sup>2</sup> | 40 |
| 35  | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40 |
| 36  | Mouldings and bands picked out in colours differing from surrounding work                                   | m <sup>2</sup> | 40 |
| 37  | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work | m              | 40 |
| <b>One coat alkali resistant primer and two coats premium quality polyurethane enamel paint</b>   |   |                |    |
| 38  | Walls   | m <sup>2</sup> | 40 |

Carried to Collection

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Paintwork

|    |   | Quantity       | Rate | Amount |
|----|---|----------------|------|--------|
| 39 | Walls in patterned multi-colours  | m <sup>2</sup> | 40   |        |
| 40 | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40   |        |
| 41 | Mouldings and bands picked out in colours differing from surrounding work   | m <sup>2</sup> | 40   |        |
| 42 | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work                                 | m              | 40   |        |
|    | <b>One coat alkali resistant primer and two coats extremely durable UV-resistant washable pure acrylic emulsion sheen paint with teflon</b> |                |      |        |
| 43 | Walls   | m <sup>2</sup> | 40   |        |
| 44 | Walls in patterned multi-colours  | m <sup>2</sup> | 40   |        |
| 45 | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40   |        |
| 46 | Mouldings and bands picked out in colours differing from surrounding work   | m <sup>2</sup> | 40   |        |
| 47 | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work                                 | m              | 40   |        |
|    | <b>One coat alkali resistant primer and two coats extremely durable UV-resistant waterbased mica reinforced fine textured acrylic paint</b> |                |      |        |
| 48 | Walls   | m <sup>2</sup> | 40   |        |
| 49 | Walls in patterned multi-colours  | m <sup>2</sup> | 40   |        |
| 50 | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40   |        |
| 51 | Mouldings and bands picked out in colours differing from surrounding work   | m <sup>2</sup> | 40   |        |
| 52 | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work                                 | m              | 40   |        |
|    | Carried to Collection   |                |      |        |
|    |   |                |      | R      |

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Paintwork

|  |   | Quantity       | Rate | Amount |
|--|---|----------------|------|--------|
| <b>ON NEW INTERNAL GYPSUM PLASTER SURFACES</b>   |   |                |      |        |
| <b>One coat primer and two coats superior quality acrylic emulsion paint for interior and exterior use</b>                                 |   |                |      |        |
| 53   | Walls   | m <sup>2</sup> | 40   |        |
| 54   | Walls in patterned multi-colours  | m <sup>2</sup> | 40   |        |
| 55   | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40   |        |
| 56   | Mouldings and bands picked out in colours differing from surrounding work                                   | m <sup>2</sup> | 40   |        |
| 57   | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work | m              | 40   |        |
| <b>One coat primer and two coats low odour premium quality highly washable and stain resistant acrylic emulsion paint for interior use</b> |   |                |      |        |
| 58   | Walls   | m <sup>2</sup> | 40   |        |
| 59   | Walls in patterned multi-colours  | m <sup>2</sup> | 40   |        |
| 60   | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40   |        |
| 61   | Mouldings and bands picked out in colours differing from surrounding work                                   | m <sup>2</sup> | 40   |        |
| 62   | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work | m              | 40   |        |
| <b>One coat primer and two coats premium quality polyurethane enamel paint</b>   |   |                |      |        |
| 63   | Walls   | m <sup>2</sup> | 40   |        |
| 64   | Walls in patterned multi-colours  | m <sup>2</sup> | 40   |        |
| 65   | Ceilings and beams (White colour group)   | m <sup>2</sup> | 40   |        |
| 66   | Mouldings and bands picked out in colours differing from surrounding work                                   | m <sup>2</sup> | 40   |        |
| Carried to Collection  |   |                |      | R      |
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|    |  | Quantity       | Rate | Amount |
|----|--|----------------|------|--------|
| 67 | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work  | m              | 40   |        |
|    | <b>One coat primer and one coat alkyd based universal undercoat and two coats superior quality universal enamel paint</b>  |                |      |        |
| 68 | Walls  | m <sup>2</sup> | 40   |        |
| 69 | Walls in patterned multi-colours   | m <sup>2</sup> | 40   |        |
| 70 | Ceilings and beams (White colour group)  | m <sup>2</sup> | 40   |        |
| 71 | Mouldings and bands picked out in colours differing from surrounding work  | m <sup>2</sup> | 40   |        |
| 72 | Mouldings and bands not exceeding 300mm wide or girth picked out in colours differing from surrounding work  | m              | 40   |        |
|    | <b>ON NEW BAGGED BRICKWORK OR CONCRETE SURFACES</b>  |                |      |        |
|    | <b>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</b>  |                |      |        |
| 73 | Walls  | m <sup>2</sup> | 40   |        |
| 74 | Ceilings and beams (White colour group)  | m <sup>2</sup> | 40   |        |
|    | <b>One coat alkali resistant primer and two coats low odour premium quality highly washable and stain resistant acrylic emulsion paint for interior and exterior use</b> |                |      |        |
| 75 | Walls  | m <sup>2</sup> | 40   |        |
| 76 | Ceilings and beams (White colour group)  | m <sup>2</sup> | 40   |        |
|    | <b>ON NEW FAIR FACED BRICKWORK</b>   |                |      |        |
|    | <b>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</b>  |                |      |        |
| 77 | Walls  | m <sup>2</sup> | 40   |        |
|    | Carried to Collection  |                |      | R      |

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**One coat alkali resistant primer and two coats low odour premium quality highly washable and stain resistant acrylic emulsion paint for interior and exterior use**

78 Walls m<sup>2</sup> 40

**ON NEW SMOOTH CONCRETE SURFACES**

**One coat bonding liquid, one coat primer and two coats superior quality acrylic emulsion paint for interior and exterior use, including stopping blow holes**

79 Walls and columns m<sup>2</sup> 40

80 Ceilings and beams (White colour group) m<sup>2</sup> 40

81 Coffered ceilings (total girth measured) (White colour group) m<sup>2</sup> 40

**ON NEW PLASTERBOARD SURFACES**

**One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use**

82 Partitions m<sup>2</sup> 40

83 Ceilings and cornices (White colour group) m<sup>2</sup> 40

84 Ceilings and cornices, including priming metal cover strips and nailheads (White colour group) m<sup>2</sup> 40

**One coat alkali resistant primer and two coats low odour premium quality highly washable and stain resistant acrylic emulsion paint for interior use**

85 Partitions m<sup>2</sup> 40

86 Ceilings and cornices (White colour group) m<sup>2</sup> 40

87 Ceilings and cornices, including priming metal cover strips and nailheads (White colour group) m<sup>2</sup> 40

**ON NEW FIBRE-CEMENT BOARD SURFACES**

**One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use**

88 Ceilings and cornices , including priming metal cover strips and nailheads (White colour group) m<sup>2</sup> 40

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|   |   | Quantity       | Rate | Maintenance Contract<br>Amount |
|---|---|----------------|------|--------------------------------|
| 89  | Fascias and barge boards , including priming metal jointing strips                              | m <sup>2</sup> | 40   |                                |
| 90  | Flues, pipes, etc including priming metal holderbats  | m <sup>2</sup> | 40   |                                |
| 91  | Fascias and barge boards including priming metal jointing strips                                | m <sup>2</sup> | 40   |                                |
| 92  | Fascias and barge boards not exceeding 300mm girth , including priming metal jointing strips    | m              | 40   |                                |
| 93  | Flues, pipes, etc not exceeding 300mm girth , including priming metal holderbats                | m              | 40   |                                |
| <b>Two coats extremely durable UV-resistant, washable pure acrylic emulsion sheen paint</b>   |   |                |      |                                |
| 94  | Ceilings and cornices , including priming metal cover strips and nailheads (White colour group) | m <sup>2</sup> | 40   |                                |
| 95  | Fascias and barge boards , including priming metal jointing strips                              | m <sup>2</sup> | 40   |                                |
| 96  | Flues, pipes, etc including priming metal holderbats  | m <sup>2</sup> | 40   |                                |
| 97  | Fascias and barge boards including priming metal jointing strips                                | m <sup>2</sup> | 40   |                                |
| 98  | Fascias and barge boards not exceeding 300mm girth , including priming metal jointing strips    | m              | 40   |                                |
| 99  | Flues, pipes, etc not exceeding 300mm girth , including priming metal holderbats                | m              | 40   |                                |
| <b>ON NEW METAL SURFACES</b>  |   |                |      |                                |
| <b>One coat alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on steel</b> |   |                |      |                                |
| 100   | Doors   | m <sup>2</sup> | 40   |                                |
| 101   | Door frames   | m <sup>2</sup> | 40   |                                |
| Carried to Collection   |   |                |      | R                              |
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| Paintwork   |   |                |      |                                |



|  |   |                | Quantity | Rate     | Maintenance Contract<br>Amount |
|--|---|----------------|----------|----------|--------------------------------|
| <b>One coat self etching primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on galvanised steel</b> |   |                |          |          |                                |
| 119  | Doors   | m <sup>2</sup> | 40       |          |                                |
| 120  | Door frames   | m <sup>2</sup> | 40       |          |                                |
| 121  | Recordroom and strongroom doors and frames  | m <sup>2</sup> | 40       |          |                                |
| 122  | Roller shutter boxes  | m <sup>2</sup> | 40       |          |                                |
| 123  | Windows   | m <sup>2</sup> | 40       |          |                                |
| 124  | Cottage pane windows  | m <sup>2</sup> | 40       |          |                                |
| 125  | Windows with burglar bars   | m <sup>2</sup> | 40       |          |                                |
| 126  | Windows with steel louvres  | m <sup>2</sup> | 40       |          |                                |
| 127  | Columns and beams   | m <sup>2</sup> | 40       |          |                                |
| 128  | Members of lattice columns and beams  | m <sup>2</sup> | 40       |          |                                |
| 129  | Members of roof trusses   | m <sup>2</sup> | 40       |          |                                |
| 130  | Members of lattice roof trusses   | m <sup>2</sup> | 40       |          |                                |
| 131  | Gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area) | m <sup>2</sup> | 40       |          |                                |
| 132  | Rails, bars, pipes, etc   | m <sup>2</sup> | 40       |          |                                |
| 133  | Eaves gutters   | m <sup>2</sup> | 40       |          |                                |
| 134  | Rainwater downpipes   | m <sup>2</sup> | 40       |          |                                |
| Carried to Collection  |   |                |          |          |                                |
| Section No. 2  |   |                |          |          |                                |
| Bill No. 16  |   |                |          |          |                                |
| Paintwork  |   |                |          |          |                                |
|  |   |                |          | <b>R</b> |                                |

|  |  | Quantity       | Rate | Maintenance Contract<br>Amount |
|--|--|----------------|------|--------------------------------|
| 135  | Rails, bars, pipes, etc not exceeding 300mm girth                              | m              | 40   |                                |
| 136  | Eaves gutters not exceeding 300mm girth  | m              | 40   |                                |
| 137  | Rainwater downpipes not exceeding 300mm girth                                  | m              | 40   |                                |
| <b>ON NEW WOOD SURFACES</b>  |  |                |      |                                |
| <b>One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint</b> |  |                |      |                                |
| 138  | Doors  | m <sup>2</sup> | 40   |                                |
| 139  | Moulded panel doors  | m <sup>2</sup> | 40   |                                |
| 140  | Windows, sash doors and fanlights  | m <sup>2</sup> | 40   |                                |
| 141  | Cottage pane windows, sash doors, etc  | m <sup>2</sup> | 40   |                                |
| 142  | Louvred windows and doors  | m <sup>2</sup> | 40   |                                |
| 143  | Door frames etc  | m <sup>2</sup> | 40   |                                |
| 144  | Roof timbers at eaves and verges   | m <sup>2</sup> | 40   |                                |
| 145  | Boarded panelling  | m <sup>2</sup> | 40   |                                |
| 146  | Boarded ceilings   | m <sup>2</sup> | 40   |                                |
| 147  | Open slatted shelves, seats, etc (both sides measured over the full flat area) | m <sup>2</sup> | 40   |                                |
| 148  | Open slatted panelling (both sides measured over the full flat area)           | m <sup>2</sup> | 40   |                                |
| 149  | Skirtings, rails, etc not exceeding 300mm girth                                | m              | 40   |                                |
| Carried to Collection  |  |                |      | R                              |
| Section No. 2  |  |                |      |                                |
| Bill No. 16  |  |                |      |                                |
| Paintwork  |  |                |      |                                |

|   |  |                |    | Quantity | Rate     | Maintenance Contract<br>Amount |
|---|--|----------------|----|----------|----------|--------------------------------|
| <b>Three coats superior quality clear gloss varnish</b> |  |                |    |          |          |                                |
| 150   | Doors  | m <sup>2</sup> | 40 |          |          |                                |
| 151   | Moulded panel doors  | m <sup>2</sup> | 40 |          |          |                                |
| 152   | Windows, sash doors and fanlights  | m <sup>2</sup> | 40 |          |          |                                |
| 153   | Cottage pane windows, sash doors, etc  | m <sup>2</sup> | 40 |          |          |                                |
| 154   | Louvred windows and doors  | m <sup>2</sup> | 40 |          |          |                                |
| 155   | Door frames etc  | m <sup>2</sup> | 40 |          |          |                                |
| 156   | Roof timbers at eaves and verges   | m <sup>2</sup> | 40 |          |          |                                |
| 157   | Boarded panelling  | m <sup>2</sup> | 40 |          |          |                                |
| 158   | Boarded ceilings   | m <sup>2</sup> | 40 |          |          |                                |
| 159   | Open slatted shelves, seats, etc both sides (measured over the full flat area) | m <sup>2</sup> | 40 |          |          |                                |
| 160   | Open slatted panelling (both sides measured over the full flat area)           | m <sup>2</sup> | 40 |          |          |                                |
| 161   | Skirtings, rails, etc not exceeding 300mm girth                                | m              | 40 |          |          |                                |
| <b>Three coats superior quality clear matt varnish</b>  |  |                |    |          |          |                                |
| 162   | Doors  | m <sup>2</sup> | 40 |          |          |                                |
| 163   | Moulded panel doors  | m <sup>2</sup> | 40 |          |          |                                |
| 164   | Windows, sash doors and fanlights  | m <sup>2</sup> | 40 |          |          |                                |
| 165   | Cottage pane windows, sash doors, etc  | m <sup>2</sup> | 40 |          |          |                                |
| Carried to Collection                                   |  |                |    |          |          |                                |
| Section No. 2   |  |                |    |          |          |                                |
| Bill No. 16   |  |                |    |          |          |                                |
| Paintwork   |  |                |    |          |          |                                |
|   |  |                |    |          | <b>R</b> |                                |



**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 16**  
**PAINTWORK**  
**COLLECTION**

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Carried To Section Summary

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Section No. 2  
Bill No. 16  
Paintwork

Quantity

Rate

Amount

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 17**  
**EXTERNAL WORKS**

The Contractor is Referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill

**LANDSCAPING**

**Excavate in earth not exceeding 2m deep**

|   |   |                |    |  |
|---|---|----------------|----|--|
| 1 | Not exceeding 150mm deep to remove humps, form shallow ditches, etc | m <sup>2</sup> | 40 |  |
|---|---|----------------|----|--|

**Ground preparation**

|   |  |                |    |  |
|---|--|----------------|----|--|
| 2 | Cultivation and preparation of areas to be planted | m <sup>2</sup> | 40 |  |
|---|--|----------------|----|--|

**Well sifted topsoil supplied by the contractor, including spreading and levelling**

|   |   |                |    |  |
|---|---|----------------|----|--|
| 3 | In plant beds, grassed areas and holes for trees, shrubs, etc | m <sup>3</sup> | 40 |  |
|---|---|----------------|----|--|

|   |                            |                |    |  |
|---|----------------------------|----------------|----|--|
| 4 | In plant boxes , pots, etc | m <sup>3</sup> | 40 |  |
|---|----------------------------|----------------|----|--|

**Garden soil supplied by the contractor (3 parts well sifted top soil, 1 part compost and 1 part milled pine bark), including spreading and levelling**

|   |   |                |    |  |
|---|---|----------------|----|--|
| 5 | In plant beds, grassed areas and holes for trees, shrubs, etc | m <sup>3</sup> | 40 |  |
|---|---|----------------|----|--|

|   |                            |                |    |  |
|---|----------------------------|----------------|----|--|
| 6 | In plant boxes , pots, etc | m <sup>3</sup> | 40 |  |
|---|----------------------------|----------------|----|--|

**Compost, lime and fertilizer**

|   |   |                |    |  |
|---|---|----------------|----|--|
| 7 | Compost in plant beds, holes for trees, shrubs, etc | m <sup>3</sup> | 40 |  |
|---|---|----------------|----|--|

|   |                                   |                |    |  |
|---|-----------------------------------|----------------|----|--|
| 8 | Compost in plant boxes, pots, etc | m <sup>3</sup> | 40 |  |
|---|-----------------------------------|----------------|----|--|

|   |   |    |    |  |
|---|---|----|----|--|
| 9 | Agricultural lime for trees, shrubs, ground covers, etc | Kg | 40 |  |
|---|---|----|----|--|

Carried to Collection

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Section No. 2  
 Bill No. 17  
 External Works

|    |  | Quantity       | Rate | Amount |
|----|--|----------------|------|--------|
| 10 | Super phosphate granular commercial fertilizer for trees, shrubs, ground covers, etc   | Kg             | 40   |        |
|    | <b>Mulch</b>   |                |      |        |
| 11 | 25mm Thick mulch layer in plant beds between plants  | m <sup>2</sup> | 40   |        |
|    | <b>Grassing, ground covers, etc</b>  |                |      |        |
| 12 | Kikuyu roots in rows at 250mm centres  | m <sup>2</sup> | 40   |        |
| 13 | Kikuyu sods approximately 500 x 500 x 50mm thick   | m <sup>2</sup> | 40   |        |
| 14 | Kikuyu rolls 50mm thick  | m <sup>2</sup> | 40   |        |
|    | <b>Pebble covering</b>   |                |      |        |
| 15 | Covering of river stone pebbles varying in size from 20mm to 50mm diameter   | m <sup>2</sup> | 40   |        |
|    | <b>Rockery boulders</b>  |                |      |        |
| 16 | Rockery boulder approximately 400mm diameter supplied by the contractor  | No             | 40   |        |
| 17 | Roughly rectangular rockery boulder approximately 0,1 m3 supplied by the contractor  | No             | 40   |        |
|    | <b>BENCHES, TABLES, ETC</b>  |                |      |        |
|    | <b>Garden furniture with grey exposed aggregate finish to precast concrete components, including excavation, backfilling and unreinforced concrete footings where applicable</b> |                |      |        |
| 18 | Bench (PC R 2 000.00)  | No             | 40   |        |
| 19 | Bench and table combination (PC R 4 000.00)  | No             | 40   |        |
|    | <b>RETAINING STRUCTURES FORMED OF PLANTER BLOCKS</b>   |                |      |        |
|    | <b>Open face excavation in earth</b>   |                |      |        |
| 20 | To embankment behind retaining blocks including trimming to slope  | m <sup>3</sup> | 40   |        |
|    | <b>Excavation in earth not exceeding 2m deep</b>   |                |      |        |
| 21 | Trenches   | m <sup>3</sup> | 40   |        |
|    | Carried to Collection  |                |      | R      |
|    | Section No. 2  |                |      |        |
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|    | External Works   |                |      |        |

|    |  | Quantity       | Rate | Amount |
|----|--|----------------|------|--------|
| 22 | Holes  | m <sup>3</sup> | 40   |        |
|    | <b>Risk of collapse of excavations</b>   |                |      |        |
| 23 | Sides of trench and hole excavations not exceeding 1,5m deep   | m <sup>2</sup> | 40   |        |
|    | <b>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</b>   |                |      |        |
| 24 | To form embankments for retaining structures   | m <sup>3</sup> | 40   |        |
|    | <b>20MPa/19mm unreinforced concrete</b>  |                |      |        |
| 25 | Strip footings   | m <sup>3</sup> | 40   |        |
|    | <b>Rough formwork to sides</b>   |                |      |        |
| 26 | Edges not exceeding 300mm high   | m              | 40   |        |
|    | <b>ROADWORK, PARKING AREAS AND PAVING</b>  |                |      |        |
|    | <b>Testing of material and filling</b>   |                |      |        |
|    | Descriptions of earth filling, compaction, etc shall be deemed to include for all necessary testing required in accordance with the SABS 1200 series                           |                |      |        |
|    | <b>Precast concrete block road surfacing</b>   |                |      |        |
|    | Paving shall be laid in accordance with SABS 1200 MJ, SANS 1058 and the Concrete Masonry Associations specifications   |                |      |        |
|    | Paving shall be laid in stretcher bond pattern on 20mm thick (thickness after final compaction) clean river sand (preparation of ground or filling elsewhere)                  |                |      |        |
|    | Clean sand shall be swept into joints between roadstones at completion   |                |      |        |
|    | <b>Site clearance</b>  |                |      |        |
| 27 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth   | m <sup>2</sup> | 40   |        |
|    | <b>Open face excavation in earth over sloping site</b>   |                |      |        |
| 28 | Open face excavation to form platforms under parking areas etc and depositing excavated material over site, including haulage not exceeding 200m from perimeter of excavations | m <sup>3</sup> | 40   |        |
|    | <b>Excavation in earth</b>   |                |      |        |
| 29 | Not exceeding 2m deep over site between buildings, retaining walls, etc to reduce levels and dispose in prescribed stock piles on site   | m <sup>3</sup> | 40   |        |
| 30 | Not exceeding 300mm deep over site between buildings, retaining walls, etc to remove top soil and dispose in prescribed stock piles on site                                    | m <sup>2</sup> | 40   |        |
|    | Carried to Collection  |                |      | R      |
|    | Section No. 2  |                |      |        |
|    | Bill No. 17  |                |      |        |
|    | External Works   |                |      |        |

|  |  | Quantity       | Rate | Amount |
|--|--|----------------|------|--------|
| <b>Extra over bulk excavation in earth for excavation in</b>                 |  |                |      |        |
| 31   | Soft rock  | m <sup>3</sup> | 40   |        |
| 32   | Hard rock  | m <sup>3</sup> | 40   |        |
| <b>Extra over bulk excavation in earth for breaking up and removing</b>      |  |                |      |        |
| 33   | Brickwork  | m <sup>3</sup> | 40   |        |
| 34   | Unreinforced concrete  | m <sup>3</sup> | 40   |        |
| 35   | Reinforced concrete  | m <sup>3</sup> | 40   |        |
| <b>Extra over all excavations for carting away</b>                           |  |                |      |        |
| 36   | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor   | m <sup>3</sup> | 40   |        |
| <b>Keeping excavations free of water</b>                                     |  |                |      |        |
| 37   | Keeping excavations free of water other than subterranean water  | Item           |      |        |
| <b>Compaction of surfaces</b>  |  |                |      |        |
| 38   | Compaction of ground surfaces under parking areas etc by wetting and compacting with 12 passes of a 3-sided 25 kilo Joule high energy impact compactor   | m <sup>2</sup> | 40   |        |
| 39   | Compaction of ground surfaces under pavings etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density | m <sup>2</sup> | 40   |        |
| <b>Filling supplied by the contractor under parking areas, roadways, etc</b> |  |                |      |        |
| 40   | G9 Gravel-soil material compacted to 95% Mod AASHTO density  | m <sup>3</sup> | 40   |        |
| 41   | G8 Gravel-soil material compacted to 95% Mod AASHTO density  | m <sup>3</sup> | 40   |        |
| 42   | G7 Gravel-soil material compacted to 95% Mod AASHTO density  | m <sup>3</sup> | 40   |        |
| 43   | Subbase course of G6 natural gravel material, compacted to 95% Mod AASHTO density  | m <sup>3</sup> | 40   |        |
| Carried to Collection  |  |                |      | R      |
| Section No. 2  |  |                |      |        |
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| External Works   |  |                |      |        |

|  |  | Quantity       | Rate | Maintenance Contract Amount |
|--|--|----------------|------|-----------------------------|
| 44   | Subbase course of G5 natural gravel material, compacted to 95% Mod AASHTO density                            | m <sup>3</sup> | 40   |                             |
| 45   | Subbase course of G2 natural gravel material, compacted to 95% Mod AASHTO density                            | m <sup>3</sup> | 40   |                             |
| <b>Additional tests required by the principal agent</b>                                    |  |                |      |                             |
| 46   | In-situ dry density test in accordance with method A10(b) of TMH1  | No             | 40   |                             |
| 47   | Maximum dry density and optimum moisture content test in accordance with method A7 of TMH1                   | No             | 40   |                             |
| 48   | Atterberg limits test in accordance with methods A2 to A4 of TMH1  | No             | 40   |                             |
| 49   | CBR test in accordance with method A8 of TMH1  | No             | 40   |                             |
| 50   | UCS test in accordance with method A14 of TMH1   | No             | 40   |                             |
| <b>Bituminous premix road surfacing</b>  |  |                |      |                             |
| 51   | 25mm Thick paving to parking areas, roadways, etc including bitumin spray to base course 2.5l/m <sup>2</sup> | m <sup>2</sup> | 40   |                             |
| 52   | 40mm Thick paving to parking areas, roadways, etc including bitumin spray to base course 2.5l/m <sup>2</sup> | m <sup>2</sup> | 40   |                             |
| <b>25MPa/19mm reinforced concrete</b>  |  |                |      |                             |
| 53   | Paving to parking areas, roadways, etc in panels between construction joints etc                             | m <sup>3</sup> | 40   |                             |
| 54   | Edging to kerbs etc  | m <sup>3</sup> | 40   |                             |
| <b>Finishing top surfaces of concrete with a power float and a coarse hard grass broom</b> |  |                |      |                             |
| 55   | Paving to parking areas, roads, etc to falls   | m <sup>2</sup> | 40   |                             |
| 56   | Edging to kerbs etc not exceeding 300mm wide   | m <sup>2</sup> | 40   |                             |
| Carried to Collection  |  |                |      |                             |
| Section No. 2  |  |                |      |                             |
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| External Works   |  |                |      |                             |

R

Quantity Rate Amount

**Saw-cut joints**

57 3 x 40mm Saw - cut joints in top of concrete  
m 40

58 4 x 40mm Saw - cut joints with bevelled top corners in top of concrete  
m 40

**Expansion joints with 13mm closed cell expanded polyethelene through concrete paving**

59 Paving not exceeding 300mm thick  
m 40

**Vertical joggle construction joints through concrete, including thick cement slurry to one face**

60 Paving not exceeding 300mm thick  
m 40

**Fabric reinforcement**

61 Type 193 fabric reinforcement in concrete paving etc  
m<sup>2</sup> 40

62 Type 245 fabric reinforcement in concrete paving etc  
m<sup>2</sup> 40

63 Type 395 fabric reinforcement in concrete paving etc  
m<sup>2</sup> 40

Where SANS 1058 in the following heading is not applicable, refer to other suitable construction standards or provide full specifications

**Precast concrete interlocking block paving of 220 x 97mm grey paving blocks in accordance with SANS 1200MJ, laid to falls on and including 25mm thick sand layer with joints filled in with sand, compacted with a vibration compactor**

64 50mm Thick blocks in aving to parking areas etc to falls, including necessary straight edge blocks  
m<sup>2</sup> 40

65 80mm Thick blocks in paving to parking areas etc to falls, including necessary straight edge blocks  
m<sup>2</sup> 40

66 50mm Thick blocks in paving to sidewalks etc to falls , including necessary straight edge blocks  
m<sup>2</sup> 40

**Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing**

67 150 x 300mm High kerbs (SANS 927 fig 3) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc  
m 40

Carried to Collection

R

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Quantity Rate Amount

68 150 x 300mm High kerbs (SA N S 927 fig 3) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint , circular on plan exceeding 4m radius , formed with straight kerbs, including excavation, backfilling, etc

m 40

69 150 x 300mm High kerbs (SA N S 927 fig 3) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint , circular on plan not exceeding 4m radius , formed with short lengths of straight kerbs, including excavation, backfilling, etc

m 40

**Two-part grey polysulphide sealing compound, including backing cord, bond breaker, primer, etc**

70 3 x 40mm In saw - cut joints

m 40

71 4 x 40mm In saw - cut joints with bevelled top corners

m 4

**Road signs**

72 Standard STOP sign with 50mm diameter galvanised mild steel post bedded in and including unreinforced concrete base, including any necessary excavation, paint finish, etc

No 40

**Paintwork: Two coats reflective road marking paint on tarmacadam**

73 Line not exceeding 100mm wide

m 40

74 Numeral or letter not exceeding 300mm high

No 40

75 Traffic arrow 2000 x 1000mm wide extreme

No 40

**FENCING**

**Galvanised barbed wire fence with bitumen dipped steel standards and droppers and bitumen-aluminium painted steel pipe posts, stays, gates, etc including galvanised steel bolts, straining eye bolts, etc, site clearance and preparation of ground**

76 Fence 1.2m high of 5 strands type barbed wire tied to and including standards at not exceeding 6mm centres with droppers at not exceeding 1m centres in between

m 40

77 Extra over for 75mm diameter inclined stay 1.5m long, including concrete base

No 40

78 Extra over for 75mm diameter straining or gate post 1.5m long, including concrete base

No 40

Carried to Collection

R

Section No. 2  
Bill No. 17  
External Works

Maintenance Contract

|    |  | Quantity | Rate | Amount |
|----|--|----------|------|--------|
| 79 | Gate 900 x 1500mm high of 40mm diameter framing filled in with galvanised diamond mesh including hinges, spring latch with catch, etc  | No       | 40   |        |
|    | <b>'Clearvu' or other similar security fence including posts, strainers, etc complete</b>  |          |      |        |
| 80 | 1.8m High Fence  | m        | 40   |        |
| 81 | 3m High Fence  | m        | 40   |        |
| 82 | Extra over 1.8m high fence for end post  | No       | 40   |        |
| 83 | Extra over 1.8m high fence for corner post   | No       | 40   |        |
| 84 | Extra over 1.8m high fence for gate post   | No       | 40   |        |
| 85 | Extra over 3m high fence for end post  | No       | 40   |        |
| 86 | Extra over 3m high fence for corner post   | No       | 40   |        |
| 87 | Extra over 3m high fence for gate post   | No       | 40   |        |
| 88 | 900mm Wide x 1.8m high gate to suit security fencing including hinges, heavy duty lockable barrel bolt   | No       | 40   |        |
| 89 | 900mm Wide x 3m high gate to suit security fencing including hinges, heavy duty lockable barrel bolt   | No       | 40   |        |
| 90 | 3m Wide x 1.8m high double gate in two equal leaves to suit security fencing, including hinges, heavy duty locking mechanisms and two heavy duty long barrel bolts, each with 300mm long keeps in and including 300 x 300 x 300mm concrete anchor blocks | No       | 40   |        |
| 91 | 3m Wide x 3m high double gate in two equal leaves to suit security fencing, including hinges, heavy duty locking mechanisms and two heavy duty long barrel bolts, each with 300mm long keeps in and including 300 x 300 x 300mm concrete anchor blocks   | No       | 40   |        |
|    | Carried to Collection  |          |      | R      |
|    | Section No. 2  |          |      |        |
|    | Bill No. 17  |          |      |        |
|    | External Works   |          |      |        |

|   |  | Quantity | Rate | Amount |
|---|--|----------|------|--------|
| <b>Reinforced precast concrete fence finished smooth on exposed surfaces, including site clearance and preparation of ground</b>          |  |          |      |        |
| 92  | Precast concrete fence 1.2m high above ground level over flat or sloping terrain with 100 x 100mm standard H-section posts at 1.5m centres, filled in with standard 30 x 300mm high panels with big brick or louvre design on one side, including concrete bases and grouting panels in cement mortar                    | m        | 40   |        |
| 93  | Precast concrete fence 1.5m high above ground level over flat or sloping terrain with 100 x 100mm standard H-section posts at 1.5m centres, filled in with standard 30 x 300mm high panels with big brick or louvre design on one side, including concrete bases and grouting panels in cement mortar                    | m        | 40   |        |
| 94  | Precast concrete fence 1.8m high above ground level over flat or sloping terrain with 100 x 100mm standard H-section posts at 1.5m centres, filled in with standard 30 x 300mm high panels with big brick or louvre design on one side, including concrete bases and grouting panels in cement mortar                    | m        | 40   |        |
| <b>Reinforced precast concrete palisade fence finished smooth on exposed surfaces, including site clearance and preparation of ground</b> |  |          |      |        |
| 95  | Palisade fence 1.8m high above ground level over flat or sloping terrain with intermediate and end posts at 3m centres cast into concrete bases, top and bottom horizontal rails with ends grouted into mortices in posts, palings bolted to rails at intersections including stopping off bolt holes with cement mortar | m        | 40   |        |
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**EXTERNAL WORKS**  
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External Works

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
**BILL NO. 18**  
**PROVISIONAL SUMS**

**BUDGETARY ALLOWANCES**

**SOIL POISONING**

The following item is for soil poisoning specialists to inspect and carry out the necessary soil poisoning required to each site. Payment for the soil poisoning will be made in accordance with the rate per square metre tendered for in the Earthworks bill of this tender document.

1 Provide the sum of R 20 000.00 for 'callout' fee for soil poisoning

Item 20 000 00

**PROVISIONAL SUMS FOR NOMINATED/SELECTED SUBCONTRACT WORKS**

**Cupboards etc**

2 Provide the sum of R 200 000.00 (Two Hundred Thousand Rand) for cupboards etc

Item 200 000 00

3 Profit

Item

4 Attendance

Item

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Section No. 2  
Bill No. 18  
Provisional Sums

**SECTION NO. 2**  
**SUPERSTRUCTURE**  
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**FINAL SUMMARY**

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2 SUPERSTRUCTURE

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SubTotal before VAT

ADD VAT @ 15%:

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FINAL SUMMARY

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