

Brought Forward

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PREFABRICATED ROOF TRUSSES

All timber roof trusses including gang nailed trusses and bolted trusses with lapped members must comply with SABS 0243: The Design, manufacture and erection of timber trusses.

The tenderer is to allow in his rates for an Registered Engineer nominated by the Roof truss supplier to issue the TR1 and TR2 certificate for the design and installation of related works to the Principle Agent.

Prices for the roof trusses are to include for all temporary bracing and supports and for all necessary top and bottom chord bracing, wind bracing and runners where required all over hanging ends to be wrot faced all round

PREFABRICATED ROOF TRUSSES. ETC.

The following is applicable in respect of timber roof trusses: Trusses are to be designed, manufactured and delivered to site. Ceilings are plaster board or fibre cement sheeting on softwood brandering.

- 1 Irregular - shaped hip roof construction to roof size length 55600 x width 14700mm / width 18200mm overall on plan (area on plan 851m2) over Detective Services and Support Services, all to accommodate roof sheets, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A. pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A. pine purlins at approximately 320mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderers are referred to Architects drawing number: UKU - A - 1000, annexed to these bills of quantities.

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Carpentry and Joinery



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Potion On ERF 75169 OF 59037 (Khayelitsha)

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2	Irregular - shaped hip roof construction to roof size length 47500 x width 10000mm / width 25000mm overall on plan (area on plan 1016m2) over Cells, all to accommodate roof sheets, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A. pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A. pine purlins at approximately 320mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderers are referred to Architects drawing number: UKU - A - 1000, annexed to these bills of quantities.	No	1	
3	Irregular - shaped hip roof construction to roof size length 40000 x width 11000mm / width 25360mm overall on plan (area on plan 864m2) over Vispol and Service Point, all to accommodate roof sheets, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A. pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A. pine purlins at approximately 320mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderers are referred to Architects drawing number: UKU - A - 1000, annexed to these bills of quantities.	No	1	
4	L - shaped hip roof construction to roof size approximately 10190 x 7760mm with 6760 x 2800mm protrusion overall on plan (area on plan 99m2) over Washbay and Cleaners, all to accommodate roof sheets, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A. pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A. pine purlins at approximately 320mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1000, annexed to these bills of quantities.	No	1	
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5	Rectangular - shaped hip roof construction to roof size approximately 18277 x 4741mm overall on plan (area on plan 88m2) over Storerooms and Pumproom, all to accommodate roof sheets, including 114 x 38mm S.A. pine wall plates, 152 x 38mm S.A pine trusses at approximately 760mm centres, rafters, timber beams, permanent bracing and 38 x 38mm S.A pine purlins at approximately 320mm centres for roof covering with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties with rafter end overhang and all exposed timbers at eaves are to be wrot (measured approximate area on plan). Tenderer's are referred to Architects drawing number: UKU - A - 1000, annexed to these bills of quantities.	No	1	
<u>EAVES, VERGES ETC</u>				
<u>Medium density pressed fibre-cement</u>				
6	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	612	
7	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners, etc.	m	34	
<u>FIRE DOORS</u>				
<u>2hr Rated fire door hung to steel frames including hinges, locks, etc.</u>				
8	Class B single door 50 x 1020 x 2032mm high hung to steel frames with galvanised mild steel face on both sides including 6.38mm clear laminated safety glass with hardwood glazing beads. Tenderers are referred to Architects drawing number UKU - A - 1006 - 02, annexured to these Bills of Quantities for the full description. Door Type D15.	No	5	
9	Class B double door 50 x 950 x 2032mm high hung to steel frames with galvanised mild steel face on both sides. Tenderers are referred to Architects drawing number UKU - A - 1006 - 02, annexured to these Bills of Quantities for the full description. Door Type D06.	No	7	
<u>DOORS, ETC</u>				

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<u>Semi solid Supawood double sided two panel door</u>				
10	40mm Single door size 813 x 2032mm high hung to steel frames (Steel Frames elsewhere measured). Tenderers are referred to Architects drawing number UKU - A - 1006 - 02, annexured to these Bills of Quantities for the full description. Door Type D01.	No	99	
11	40mm Single door size 813 x 2032mm high hung to steel frames including metal kickplates (Steel Frames and kickplates elsewhere measured), Tenderers are referred to Architects drawing number UKU - A - 1006 - 02, annexured to these Bills of Quantities for the full description. Door Type D02.	No	25	
12	71mm Double door size 1489 x 2032mm high hung to steel frames (Steel Frames elsewhere measured). Tenderer's are referred to Architects drawing number UKU - A - 1006 - 02, annexured to these Bills of Quantities for the full description. Door Type D05.	No	4	
<u>Soild Meranti, double sided, two fielded panel doors with heavy colection moulds</u>				
13	40mm Single door size 813 x 2032mm high hung to steel frames (Steel Frames elsewhere measured). Tenderers are referred to Architects drawing number UKU - A - 1003 - 02, annexured to these Bills of Quantities for the full description. Door Type D04.	No	19	
<u>Purpose Made Meranti, framed and ledge, flush back solid door</u>				
14	44mm Single door size 813 x 2032mm high hung to steel frames including aluminium louvres (Steel Frames and aluminium louvres elsewhere measured). Tenderer's are referred to Architects drawing number UKU - A - 1006 - 02, annexured to these Bills of Quantities for the full description. Door Type D12.	No	7	
15	44mm Double door size 4200 x 2032mm high hung to steel frames (Steel Frames elsewhere measured). Tenderer's are referred to Architects drawing number UKU - A - 1006 - 02, annexured to these Bills of Quantities for the full description. Door Type D14.	No	1	
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CUPBOARDS

Kitchen fittings shall be constructed of 16mm V313 melamine faced chipboard bottoms, sides, divisions and shelves, waterproof plinths and spray painted backs.

Doors shall be hung on stainless steel concealed self-closing hinges and shall be fitted with magnetic catches and anodised aluminium bow handles.

Drawers to be hung to epoxy coated mild steel runners and guiders.

Prices shall include for the assembling and fixing complete in position, including all necessary cleats, cover fillets, drilling, screwing and nailing, etc and painting of exposed fillets to match.

Prefabricated factory finished kitchen cupboards

- 16 Floor mounted L-shaped kitchen sink cupboard to Tea Room, overall size 3470 x 600 x 870mm high and 1200 x 600 x 870mm high, with six (6) doors, three (3) drawers, comprising of 18mm thick Melamine faced moisture resistant particle board cabinets in colour 'shale oak' or similar approved with high compact pressure laminate doors with individual numbers and ironmongery as indicated on the design drawings. Carcass and shelving to be interior grade moisture resistant particleboard. Backing to be hardboard fixed to back of unit with screws and glue. Edge strips to match board finish. 30mm Quartz D90Cm X H2Cm Vanilla Black work top with bull nose including opening in counter top for sinks (sinks elsewhere measured) manufactured in accordance with Architects drawings. (D 12 x H 35mm) 12mm Solid Steel Bar Handles in a black nickel finish, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 1007 - 01, annexured to these Bills of Quantities for the full description.

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17	Floor mounted kitchen sink cupboard to CSC Kitchen, overall size 3140 x 600 x 870mm high, with five (5) doors, three (3) drawers, comprising of 18mm thick Melamine faced moisture resistant particle board cabinets in colour 'shale oak' or similar approved with high compact pressure laminate doors with individual numbers and ironmongery as indicated on the design drawings. Carcass and shelving to be interior grade moisture resistant particleboard. Backing to be hardboard fixed to back of unit with screws and glue. Edge strips to match board finish. 30mm Quartz D90Cm X H2Cm Vanilla Black work top with bull nose including opening in counter top for sinks (sinks elsewhere measured) manufactured in accordance with Architects drawings. (D 12 x H 35mm) 12mm Solid Steel Bar Handles in a black nickel finish, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 1007 - 01, annexured to these Bills of Quantities for the full description.	No	1	
Wall Mounted Cupboards				
18	Wall mounted cupboard to First Floor Kitchen overall size 2980 x 450 x 588mm high with six (6) doors comprising of Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, manufactured in accordance with Architects drawings, Room Data Sheet 02. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 5000 - 2, annexured to these Bills of Quantities for the full description.	No	1	
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19	Wall mounted cupboard to Lecture Hall Kitchen overall size 1020 x 450 x 588mm high with two (2) doors comprising of Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, manufactured in accordance with Architects drawings, Room Data Sheet 03. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 5000 - 3, annexured to these Bills of Quantities for the full description.	No	1	
20	Wall mounted cupboard to Admin Block Kitchen overall size 1510 x 450 x 588mm high with three (3) doors comprising of Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, manufactured in accordance with Architects drawings, Room Data Sheet 03. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 5000 - 3, annexured to these Bills of Quantities for the full description.	No	1	
21	Wall mounted cupboard to CSC Kitchen overall size 1346 x 450 x 588mm high with two (2) doors comprising of Folkstone Grey Gloss Melawood by PG Bison O.O.E.A or similar approved finish with high impact edging, consisting of melamine impregnated decorative paper, fused under heat and pressure to both sides of a chip board substrate, manufactured in accordance with Architects drawings, Room Data Sheet 06. (D 12 x H 35mm) 12mm Solid Steel bar handles in black nickel finish, Ferrari FGV screw fixing type hinge to doors, all screws and brackets to be included. Tenderers are referred to Architects drawing number UKU - A - 5000 - 6, annexured to these Bills of Quantities for the full description.	No	1	
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**Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)**

Brought Forward				R
<u>Worktops</u>				
22	30mm Rustenburg granite L-shaped work top with bull nose to Radio Room, overall size 3020 x 600mm and 2750 x 600mm. Work top to be fixed on to wall bracket as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1007 - 05 annexured to these Bills of Quantities for the full description.	No	1	
23	30mm Rustenburg granite L-shaped work top with bull nose to Cas Terminal Office, overall size 3020 x 600mm and 1440 x 600mm. Work top to be fixed on to wall bracket as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1007 - 05 annexured to these Bills of Quantities for the full description.	No	1	
24	30mm Rustenburg granite work top with bull nose to Sensitive Statements, overall size 2410 x 600mm. Work top to be fixed on to wall bracket as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1007 - 05 annexured to these Bills of Quantities for the full description.	No	1	
25	30mm Rustenburg granite work top with bull nose to Admittance, overall size 1140 x 600mm; 780 x 600mm and 2550 x 600mm. Work top to be fixed on to wall bracket as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1007 - 05 annexured to these Bills of Quantities for the full description.	No	1	
26	30mm Rustenburg granite work top with bull nose to Entrance to Police Station, overall size 711 x 600mm; 2050 x 600mm and 700 x 600mm. Work top to be fixed on to wall bracket as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1007 - 05 annexured to these Bills of Quantities for the full description.	No	1	
Carried Forward				R
Bill No. 7 Carpentry and Joinery				



**Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)**

Brought Forward				R
27	30mm Rustenburg granite work top with bull nose to Entrance to Police Station, overall size 3750 x 800mm; 2180 x 800mm; 1030 x 800mm; 900 x 800mm; 900 x 800mm and 1200 x 800mm. Work top to be fixed on to wall bracket as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1007 - 05 annexured to these Bills of Quantities for the full description.	No	1	
<u>Wash Hand Basin Counter tops</u>				
28	30mm Thick Rustenburg granite work top with bull nose to Public Ladies comprising of, 600 x 800mm x 2 No. sides, 2200 x 125mm front edge and 2200 x 600mm counter top with openings in counter top for 3 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 01. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 03 annexured to these Bills of Quantities for the full description.	No	1	
29	30mm Thick Rustenburg granite work top with bull nose to Public Men comprising of, 600 x 800mm x 2 No. sides, 2270 x 125mm front edge and 2270 x 600mm counter top with openings in counter top for 3 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 01. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 03 annexured to these Bills of Quantities for the full description.	No	1	
30	30mm Thick Rustenburg granite work top with bull nose to Female Ablution 1 comprising of, 600 x 800mm x 2 No. sides, 2200 x 125mm front edge and 2200 x 600mm counter top with openings in counter top for 3 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 01. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 03 annexured to these Bills of Quantities for the full description.	No	1	
Carried Forward				R
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Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)

Brought Forward				R
31	30mm Thick Rustenberg granite work top with bull nose to Male Ablution 1 comprising of, 600 x 800mm x 2 No. sides, 1855 x 125mm front edge and 1855 x 600mm counter top with openings in counter top for 3 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 01. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 03 annexured to these Bills of Quantities for the full description.	No	1	
32	30mm Thick Rustenberg granite work top with bull nose to Male Ablutions comprising of, 600 x 800mm x 2 No. sides, 1735 x 125mm front edge and 1735 x 600mm counter top with openings in counter top for 3 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 02. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 04 annexured to these Bills of Quantities for the full description.	No	1	
33	30mm Thick Rustenberg granite work top with bull nose to Female Ablutions comprising of, 600 x 800mm x 2 No. sides, 3160 x 125mm front edge and 3160 x 600mm counter top with openings in counter top for 4 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 02. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 04 annexured to these Bills of Quantities for the full description.	No	1	

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**Proposed New Makhaza Police Station
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Brought Forward				R
34	30mm Thick Rustenberg granite work top with bull nose to Bathroom comprising of, 600 x 800mm x 2 No. sides, 720 x 125mm front edge and 720 x 600mm counter top with openings in counter top for 1 No. x wash hand basin, (wash hand basin elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 02. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 04 annexured to these Bills of Quantities for the full description.	No	1	
35	30mm Thick Rustenberg granite work top with bull nose to Male Ablutions 01 comprising of, 600 x 800mm x 2 No. sides, 1215 x 125mm front edge and 1215 x 600mm counter top with openings in counter top for 2 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 02. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 04 annexured to these Bills of Quantities for the full description.	No	1	
36	30mm Thick Rustenberg granite work top with bull nose to Female Ablutions 01 comprising of, 600 x 800mm x 2 No. sides, 2020 x 125mm front edge and 2020 x 600mm counter top with openings in counter top for 3 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 02. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 04 annexured to these Bills of Quantities for the full description.	No	1	
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Brought Forward				R
37	30mm Thick Rustenberg granite work top with bull nose to Male Ablutions 2 comprising of, 600 x 800mm x 2 No. sides, 1775 x 125mm front edge and 1775 x 600mm counter top with openings in counter top for 3 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 03. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 05 annexured to these Bills of Quantities for the full description.	No	1	
38	30mm Thick Rustenberg granite work top with bull nose to Female Ablutions 2 comprising of, 600 x 800mm x 2 No. sides, 1620 x 125mm front edge and 1620 x 600mm counter top with openings in counter top for 2 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 03. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 05 annexured to these Bills of Quantities for the full description.	No	1	
39	30mm Thick Rustenberg granite work top with bull nose to Male Ablutions 02 comprising of, 600 x 800mm x 2 No. sides, 1775 x 125mm front edge and 1775 x 600mm counter top with openings in counter top for 3 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 03. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 05 annexured to these Bills of Quantities for the full description.	No	1	

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Carpentry and Joinery

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- 40 30mm Thick Rustenberg granite work top with bull nose to Female Ablutions 02 comprising of, 600 x 800mm x 2 No. sides, 1410 x 125mm front edge and 1410 x 600mm counter top with openings in counter top for 2 No. x wash hand basins, (wash hand basins elsewhere measured) manufactured in accordance with Architects drawings, Room Data Sheet 03. Work top to be fixed on to wall as per supplier recommendation. Supplier to provide shop drawings for approval. Tenderers are referred to Architects drawing number UKU - A - 1010 - 05 annexured to these Bills of Quantities for the full description.

No

1

THE FOLLOWING IN SHELIVING TO STORES

Meranti or Superwood fixed to metal brackets (Metal brackets elsewhere measured)

- 41 22mm thick x 450mm long, Meranti or Superwood top finished and varnished with two polyurethane varnish fixed to bracket with six, 30mm self-tapping countersunk wood screws
- 42 22mm thick x 480mm long, Meranti or Superwood top finished and varnished with two polyurethane varnish fixed to bracket with six, 30mm self-tapping countersunk wood screws
- 43 22mm thick x 515mm long, Meranti or Superwood top finished and varnished with two polyurethane varnish fixed to bracket with six, 30mm self-tapping countersunk wood screws
- 44 22mm thick x 600mm long, Meranti or Superwood top finished and varnished with two polyurethane varnish fixed to bracket with six, 30mm self-tapping countersunk wood screws
- 45 22mm thick x 700mm long, Meranti or Superwood top finished and varnished with two polyurethane varnish fixed to bracket with six, 30mm self-tapping countersunk wood screws
- 46 50 x 25mm Timber strip behind shelving at 1000mm centres.

m

5

m

24

m

22

m

299

m

45

m

198

Carried to Summary

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Bill No. 7
Carpentry and Joinery

Item
No

Unit Quantity Rate Amount

BILL NO. 8

**CEILINGS, PARTITIONS AND ACCESS
FLOORING**

**(CPAP WORK GROUP NO. 129 UNLESS
OTHERWISE STATED)**

PREAMBLES

The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section

SUPPLEMENTARY PREAMBLES

Openings in ceilings for light fittings, etc. are to include for additional suspension as required

Ceilings

Unless otherwise described ceilings shall be deemed to be horizontal

Fixings

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork 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

SUSPENDED CEILINGS

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Bill No. 8
Ceilings, Partitions and Access Flooring



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<u>"Gyproc Saint-Gobain" or other equally approved suspended acoustic ceiling boards to 'isover soundlite coral', in 40mm thick, 595 x 1195mm panels fixed with hold down clips to an open suspended T-grid system or other equally approved to donn according to manufacturers specifications. 100mm thick thermal blanket by specialist all SANS10400XA minimum requirements.</u>				
1	Ceilings suspended not exceeding 1m below timber roof trusses	m2	1 322	
2	Extra over ceiling for opening for 200mm diameter Light Fittings (provisional)	No	93	
3	Extra over ceiling for opening for 600 x 600mm Light Fittings (provisional)	No	72	
4	Extra over ceiling for opening for 600 x 600mm air-conditioning diffusers (provisional)	No	228	
5	Extra over ceiling for opening for 1200 x 600mm Light Fittings (provisional)	No	112	
<u>Fibre Cement Ceiling Board</u>				
<u>6mm Fibre-cement boards with white H-type PVC jointing strips</u>				
6	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres	m2	517	
7	Extra over ceiling for opening for 200mm diameter light fittings (provisional)	No	22	
8	Extra over ceiling for 600 x 600mm trap door	No	2	
<u>CORNICES</u>				
<u>Shadowline cornices</u>				
9	50 x 50mm Shadow line cornices	m	2 083	
<u>THERMAL/ INSULATED</u>				

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Bill No. 8
Ceilings, Partitions and Access Flooring

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<u>"Isover" or other equally approved 100mm thick x 1200mm wide Aerolite non-combustible flexible lightweight industrial fibreglass roof insulation nominal density 12kg/m³, fixed between trusses over brandering. Fixed all in accordance with manufacturer's instructions</u>	m2	1 839
Insulation laid in between trusses over brandering		
Carried to Summary		R
Bill No. 8 Ceilings, Partitions and Access Flooring		



Item
No

Quantity Rate Amount

BILL NO. 9

FLOOR COVERINGS, WALL LININGS, ETC

PREAMBLES

The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section

SUPPLEMENTARY PREAMBLES

Screed deviations are not to exceed 5mm over 3000mm

Thoroughly clean down with SANS 10183:1-4 compliant diluted natural detergent and thoroughly rinse, allow to dry and apply 3 coats water based floor dressing compliant with SABS 1042.

Remove all contaminates, clean down and apply TAL screedmaster, prime with TAL Floor Primer using pump method all by TAL contractor in accordance with the manufacturer's instructions

EPOXY FLOORING

Prepare surface and prime area with "Flowcrete Flowprime" @ 4m/l other equally approved

1 On floors m2 133

Apply 0.5mm (2 coats) "Flowcoat SF41" or other equally approved, once cured, all movement joints must be re cut to original geometry and filled with "Flowflex HM" or other equally approved flexible joint sealant.

2 On floors m2 133

3 75mm High skirting m 185

CARPET TILES

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Bill No. 9
Floor Covering



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500 x 500 x 8,5mm Thick "Belgotex" or other equally approved Hercules ResinBac stainproof heavy commercial tiles or other equally approved carpet tiles laid on 4,2m wide ResinBac +/-4mm heavy commercial broadloom, accordance with the SANS 10186 fitting code of practice and to be installed in a monolithic direction and all in accordance to manufacturer's specifications

4 On floors

m2

80

VINYL FLOOR COVERINGS

Supply and fix 2,0mm thick homogenous vinyl composite quartz tile A 400mm Exterior boarder in colour Mining with a Interior colour of Table Mountain

5 On floors

m2

46

6 75mm High Skirting

m

51

POLISH, SEALERS, ETC

Polish, Sealers, etc.

7 Two coats wax polish on vinyl flooring

m2

46

Carried to Summary

Bill No. 9
Floor Covering

Item No	Unit	Quantity	Rate	Amount
<u>BILL NO. 10</u>				
<u>IRONMONGERY</u>				
<u>(CPAP WORK GROUP NO. 132 UNLESS OTHERWISE STATED)</u>				
<u>PREAMBLES</u>				
<p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items</u>				
<p>Where applicable the manufacturers names or product catalogue titles are given in sub-headings preceding the items. Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures, etc. clarifying the features of the products/articles offered. On request returnable samples are to be provided to the principal agent for consideration</p>				
<p>The following locks are to be suitable for master key operation</p>				
<u>Finishes to ironmongery</u>				
<p>Sample of all items to be provided for approval prior to placing final orders. Approved samples to remain in the sample room for the duration of the contract. All fittings to be SABS approved and compliant with SANS</p>				
<p>Fittings to be read in conjunction with all floor plans. Number of fittings shown to be checked according to the floor plans and any discrepancies to be brought to the attention of the Architects prior to placing orders</p>				
Carried Forward			R	
<p>Bill No. 10 Ironmongery</p>				

**Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)**

Brought Forward			R
<u>HINGES</u>			
1	"Union" or other equally approved SS 2BB Butt Hinge EN1935GRD13 (JH-BB-STD-2-SS)	No	132
2	"Union" or other equally approved SS 2BB Butt Hinge EN1935GRD13 (SP-JH-BB-STD-2-SS_EA)	No	103
<u>LOCKS</u>			
3	"Union" or other equally approved gemini euro profile double cylinder 65mm KD satin nickel PATENTED (CY2X18-65SNKD)	No	111
4	"Union" or other equally approved gemini euro profile double cylinder 35mm KD satin nickel PATENTED (CY2X20-35SNKD)	No	10
5	"Union" or other equally approved gemini euro profile thumbtum cylinder 65mm KD satin nickel PATENTED (CY2X19-65SNKD)	No	6
6	"Union" or other equally approved bathroom deadbolt - stainless steel (SS2016SS)	No	29
7	"Union" or other equally approved euro cylinder deadlock - stainless steel (L-2115-78SS)	No	112
8	"Union" or other equally approved swing bolt dead lock - 35mm backset - stainless steel (QD35X85MMSW)	No	3
9	"Union" or other equally approved E/P cylinder dead lock with adj. roller latch - stainless steel (L-2115-78SS/R)	No	13
10	"Union" or other equally approved E/P Cylinder upright lock (L-2215-78SS/SL)	No	1
11	"Union" or other equally approved N888 without cylinder (LH8881)	No	5
12	"Union" or other equally approved paraplegic facility indicator bolt AS (37651AS)	No	4
13	"Union" or other equally approved SS E/Profile square Escutcheon (SS5306-05SS)	Pairs	3,0
Carried Forward			R
Bill No. 10 Ironmongery			

**Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)**

Brought Forward			R
14	"Union" or other equally approved escutcheon on rose bathroom (SS5004-73SS)	Pairs	29,0
15	"Union" or other equally approved escutcheon on rose profile (PZ-05SS)	Pairs	3,0
16	"Union" or other equally approved escutcheon on rose profile (SP-SS5305-05SS_EA)	Pairs	8,0
17	"Union" or other equally approved escutcheon on rose profile (SS5305-05SS)	Pairs	5,0
18	"Union" or other equally approved 2915 Rebated set - Satin chrome - for 2115 & 2215 lock (2915SC)	No	11
<u>HANDLES</u>			
19	"Union" or other equally approved SS dove pull handle on back plate LH profile- 152 x 152mm plate (SS5D66L-05SS)	No	110
20	"Union" or other equally approved SS dove pull handle on back plate RH profile - 152 x 152mm plate (SS5D66R-05SS)	No	110
21	"Union" or other equally approved SS dove lever handle on 152 x 152mm SS backplate blank (SS6166-06SS)	No	1
22	"Union" or other equally approved SS dove pull handle on back plate blank - 152 x 152mm plate (SS5D66-06SS)	No	8
23	"Union" or other equally approved D-Handle straight dia 19mm 300mm - CF (PH5320-19-300CFSS)	No	4
24	"Union" or other equally approved D-Handle straight dia 19mm 150mm - BTB (PH5320-19-150BBFSS)	No	29
25	"Union" or other equally approved D-Handle straight dia 19mm 150mm - BTB (PH5320-19-150BTSS)	No	8
26	"Union" or other equally approved D-Handle offset dia 25mm 300mm - BTB (PH5321-25-300BBSS)	No	8
<u>PUSH PLATES AND KICK PLATES</u>			
27	"Union" or other equally approved kick plate 200 x 800mm (SS5089-200W)	No	10

Carried Forward

R

Bill No. 10
Ironmongery

[Handwritten signature]

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**Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)**

Brought Forward				R
28	"Union" or other equally approved kick plate 300 x 800mm works (SS5089-300W)	No	17	
29	"Union" or other equally approved slide channel mounting plate for DC175 (DCA280-EV1)	No	7	
<u>DOOR CLOSERS</u>				
30	"Assa Abloy" or other equally approved straight mounting plate door closers (DCA120-40)	No	124	
31	"Assa Abloy" or other equally approved R&P closer EN 3-6 SIL (DC300)	No	115	
32	"Assa Abloy" or other equally approved R&P closer EN 3-6 DA SIL (DC300DA)	No	4	
33	"Assa Abloy" or other equally approved R&P closer EN 3-6 SIL HO (DC300HO)	No	2	
34	"Assa Abloy" or other equally approved cam motion closer EN 1-4 SIL hold open (DC500HO)	No	3	
35	"Assa Abloy" or other equally approved cam motion closer EN3/4 (DC175)	No	7	
<u>SAPS SIGNAGE</u>				
36	1100 x 1100mm cast aluminium SAPS emblem - backing plate out aluminium sprayed blue, cast aluminium star mounted on top of backing (SN01). Signage to be mounted to wall. Aluminium star mounted on top of backing cast bronze SAPS emblem, same sizes as above, Individual letters, cut out aluminium letters sprayed blue/black/white & applied on pins. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU - A - 1008 -01, annexed to these bills of quantities.	No	1	
37	1800 x 1200mm National flag, must be displayed according to SO (G) 202. It will be of 100% polyester multi filament webbing, the finished width and thickness is 25mm and 1.5mm. (SN02). Refer to Architects Drawing UKU-A-1008-01, annexed to these bills of quantities.	No	1	
Carried Forward				R
Bill No. 10 Ironmongery				

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Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)

Brought Forward				R
38	1800 x 1200mm Service flag. It will be of 100% polyester multi-filament webbing, the finished width and thickness is 25mm and 1.5mm. (SN03). Refer to Architects Drawing UKU-A-1008-01, annexed to these bills of quantities.	No	1	
39	2450 x 1220mm 'Welcome Makhaza Police Station' sign to be constructed from 1mm white chromadek sheet. Poles to 50 x 50 x 1.6mm square tube steel poles with a height of 3600mm. Poles to be primer coated and sprayed blue. Poles is to be cast in reinforced concrete 600 x 830mm deep concrete bases, allow for excavations and formwork to bases (SN04). (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-01, annexed to these bills of quantities.	No	1	
40	2450 x 1220mm 'Batho Pele Principles' sign to from 1mm white chromadek sheet. Poles to 50 x 50 x 1.6mm square tube steel poles with a height of 3600mm. Poles to be primer coated and sprayed blue. Poles is to be cast in reinforced concrete 600 x 830mm deep concrete bases, allow for excavations and formwork to bases. (All text to be confirmed by SAPS Architect). (SN05). Refer to Architects Drawing UKU-A-1008-01, annexed to these bills of quantities.	No	1	
41	600 x 1600mm Directory Sign. Single sided system; aluminium single sign holder extrusion (clear anodize); clear cover with silicone seal (glossy/non-glare); metal (aluminium) end caps (clear anodize); or similar approved. Lettering to be done in white. Background to be painted blue. Poles is to be cast in reinforced concrete 600 x 830mm deep concrete bases, allow for excavations and formwork to bases (SN06 & SN07). (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-01, annexed to these bills of quantities.	No	1	
42	600 x 800mm cast aluminium SAPS emblem - backing plate out aluminium sprayed blue, cast aluminium star mounted on top of backing (SN08). Signage to be mounted to wall. Aluminium star mounted on top of backing cast bronze SAPS emblem, same sizes as above. Individual letters, cut our aluminium letters sprayed blue/black/white & applied on pins. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	1	
Carried Forward				R
Bill No. 10 Ironmongery				

Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)

Brought Forward				R
43	600 x 800mm cast aluminium SAPS emblem - backing plate out aluminium sprayed blue, cast aluminium star mounted on top of backing (SN09). Signage to be wall mounted. Aluminium star mounted on top of backing cast bronze SAPS emblem, same sizes as above. Individual letters, cut our aluminium letters sprayed blue/black/white & applied on pins. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	1	
44	600 x 800mm cast aluminium SAPS emblem - backing plate out aluminium sprayed blue, cast aluminium star mounted on top of backing (SN10). Signage to be wall mounted. Aluminium star mounted on top of backing cast bronze SAPS emblem, same sizes as above. Individual letters, cut our aluminium letters sprayed blue/black/white & applied on pins. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	1	
45	600 x 800mm cast aluminium SAPS emblem - backing plate out aluminium sprayed blue, cast aluminium star mounted on top of backing (SN11). Signage to be wall mounted. Aluminium star mounted on top of backing cast bronze SAPS emblem, same sizes as above. Individual letters, cut our aluminium letters sprayed blue/black/white & applied on pins. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	1	
46	600 x 800mm cast aluminium SAPS emblem - backing plate out aluminium sprayed blue, cast aluminium star mounted on top of backing (SN12). Signage to be wall mounted. Aluminium star mounted on top of backing cast bronze SAPS emblem, same sizes as above. Individual letters, cut our aluminium letters sprayed blue/black/white & applied on pins. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	1	
Carried Forward				R
Bill No. 10 Ironmongery				

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**Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)**

Brought Forward			R
47	150 x 300mm wall mounted sign. Double sided system; aluminium single sign holder extrusion (clear anodize); clear cover (glossy/non-glare); plastic (abs) end caps (grey); black steel base; or similar approved. Lettering to be done in black. Background to be painted blue (SN13). Signage to be mounted by specialist, shop drawings are to be presented to Architect for approval. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	1
48	150 x 300mm wall mounted sign. Double sided system; aluminium single sign holder extrusion (clear anodize); clear cover (glossy/non-glare); plastic (abs) end caps (grey); black steel base; or similar approved. Lettering to be done in black. Background to be painted blue (SN14). Signage to be mounted by specialist, shop drawings are to be presented to Architect for approval. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	1
49	150 x 300mm wall mounted sign. Double sided system; aluminium single sign holder extrusion (clear anodize); clear cover (glossy/non-glare); plastic (abs) end caps (grey); black steel base; or similar approved. Lettering to be done in black. Background to be painted blue (SN15). Signage to be mounted by specialist, shop drawings are to be presented to Architect for approval. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	2
50	150 x 300mm wall mounted sign. Double sided system; aluminium single sign holder extrusion (clear anodize); clear cover (glossy/non-glare); plastic (abs) end caps (grey); black steel base; or similar approved. Lettering to be done in black. Background to be painted blue (SN16). Signage to be mounted by specialist, shop drawings are to be presented to Architect for approval. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	10
Carried Forward			R
Bill No. 10 Ironmongery			

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**Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)**

Brought Forward				R
51	150 x 300mm wall mounted sign. Double sided system; aluminium single sign holder extrusion (clear anodize); clear cover (glossy/non-glare); plastic (abs) end caps (grey); black steel base; or similar approved. Lettering to be done in black. Background to be painted blue (SN17). Signage to be mounted by specialist, shop drawings are to be presented to Architect for approval. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	14	
52	150 x 300mm wall mounted sign. Double sided system; aluminium single sign holder extrusion (clear anodize); clear cover (glossy/non-glare); plastic (abs) end caps (grey); black steel base; or similar approved. Lettering to be done in black. Background to be painted blue (SN18). Signage to be mounted by specialist, shop drawings are to be presented to Architect for approval. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	2	
53	150 x 300mm wall mounted sign. Double sided system; aluminium single sign holder extrusion (clear anodize); clear cover (glossy/non-glare); plastic (abs) end caps (grey); black steel base; or similar approved. Lettering to be done in black. Background to be painted blue (SN19). Signage to be mounted by specialist, shop drawings are to be presented to Architect for approval. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	4	
54	150 x 300mm wall mounted sign. Double sided system; aluminium single sign holder extrusion (clear anodize); clear cover (glossy/non-glare); plastic (abs) end caps (grey); black steel base; or similar approved. Lettering to be done in black. Background to be painted blue (SN20). Signage to be mounted by specialist, shop drawings are to be presented to Architect for approval. (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-02, annexed to these bills of quantities.	No	1	
Carried Forward				R
Bill No. 10 Ironmongery				



**Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)**

Brought Forward			
55	200 x 200mm 'Toilets' Sign. Double sided system; aluminium single sign holder extrusion (clear anodize); clear cover (glossy/non-glare); plastic (abs) end caps (grey); black steel base; or similar approved. Lettering to be done in white. Background to be painted blue (SN21). (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-03, annexed to these bills of quantities.	No	5
56	Blue Light with wording 'Police' on it. Writing must be in white. It can be wall-mounted or on a 3m pole. (SN22). (All text to be confirmed by SAPS Architect). Refer to Architects Drawing UKU-A-1008-03, annexed to these bills of quantities.	No	1
57	360 x 450mm Frames for official photographs sizes 210mm x 297mm, including 25mm silver frame, 50mm royal blue board and 20mm x 70mm silver engraved nameplate (SN24). Refer to Architects Drawing UKU-A-1008-03, annexed to these bills of quantities.	No	10
58	594 x 842mm (A1) Snap frames with silver aluminium frame. (SN23). Refer to Architects Drawing UKU - A - 1008 - 03, annexed to these bills of quantities.	No	6
59	Double sided wall mounted standing aluminium sign frame suggestion box with plastic feet. Size to be 215mm wide and 297mm high with 2 interchangeable sign frames on either side. To be supplied fully assembled with all parts and accessories including locks and keys, non-reflective polycarbonate inserts to be supplied cut to size for the A4 frames. The products green certification and SABS testing to be supplied. (SN26). Refer to Architects Drawing UKU - A - 1008 - 03, annexed to these bills of quantities.	No	1
<u>GENERAL SIGNAGE</u>			
60	"Union" or other equally approved tea/kitchen sign 152 x 152 x 1.2mm SS	No	2
61	"Union" or other equally approved female sign 152 x 152 x 1.2mm SS	No	6
62	"Union" or other equally approved male sign 152 x 152 x 1.2mm SS	No	6
63	"Union" or other equally approved male/female sign 152 x 152 x 1.2mm SS	No	6

Carried Forward

Bill No. 10
Ironmongery

Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)

Brought Forward			
64	"Union" or other equally approved paraplegic sign 152 x 152 x 1.2mm SS	No	4
65	"Union" or other equally approved electrical shock sign 152 x 152 x 1.2mm SS	No	1
<u>STATUTORY SIGNAGE</u>			
<u>Supply, delivery & installation to be in accordance with SANS 1186 & SANS 10400. The following signage reference codes are applicable in reference to the fire signage drawings.</u>			
<u>Statutory signage to be SABS approved and photo luminescent, external signage to be UV rated</u>			
<u>Green and white single sided signage screwed fixed on to walls as per manufacturer's details</u>			
66	Combination of 2 No. of 190 x 190mm signage. Signage include arrow (right arrow) and running man. Type E1	No	4
67	Combination of 2 No. of 190 x 190mm signage. Signage include arrow (left arrow) and running man. Type E2	No	2
68	Combination of 2 No. of 190 x 190mm signage. Signage include arrow (down arrow) and running man. Type E3	No	24
69	380 x 190mm Exit signage. Type E6	No	9
70	Combination of 3 No. of 190 x 190mm signage. Signage include arrow (right arrow), staircases and running man. Type E16	No	2
71	Combination of 3 No. of 190 x 190mm signage. Signage include arrow (left arrow), staircases and running man. Type E17	No	1
<u>Statutory signage to be SABS approved and photo luminescent, external signage to be UV rated</u>			
<u>Red and white single sided signage screwed fixed on to walls as per manufacturer's details</u>			
72	380 x 190mm Stairway exit signage. Type F39	No	2

Carried Forward

Bill No. 10
Ironmongery

**Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)**

Brought Forward			
73	Combination of 3 No. of 190 x 190mm signage. Signage include arrow (down arrow), fire hose reel and fire extinguisher. Type F4	No	16
74	Combination of 4 No. of 190 x 190mm signage. Signage include arrow (down arrow), fire hose reel, fire extinguisher and fire hydrant. Type F1	No	4
75	Combination of 2 No. of 190 x 190mm signage. Signage include arrow (down arrow) and fire extinguisher. Type F13	No	1
76	Combination of 2 No. of 190 x 190mm signage. Signage include arrow (down arrow) and fire hydrant. Type F15	No	5
77	380 x 190mm Booster connection signage. Type F49	No	1
<u>SUNDRIES</u>			
78	Analogue clock with SAPS badge branded on black background. (SN25). Refer to Architects Drawing UKU-A-1008-03, annexed to these bills of quantities.	No	1
79	"Union" or other equally approved door Stop (AL870AS)	No	115
80	"Union" or other equally approved 82mm Wall Door Projection Stop (99022SS)	No	32
81	"Union" or other equally approved dust Proof Strike (8852SS)	No	14
82	"Union" or other equally approved flush finger pull 65 x 50mm (FFP65X50SS)	No	2
83	"Union" or other equally approved flushbolt 150mm box ss (SS8208 - 150SS)	No	11
84	"Union" or other equally approved flushbolt 300mm box ss (SS8208 - 300SS)	No	11
85	"Union" or other equally approved flushbolt for metal doors (AL8208-180AS/MD)	No	3

Carried Forward

Bill No. 10
Ironmongery

Brought Forward

R

"BATHROOM FITTINGS"

86	18/10 stainless steel soap dispenser in satin finish. To be surface mounted 150mm above and to the left of individual sinks. (Code 359705)	No	43
87	Rodan ROD672 0.8mm thick satin finished stainless steel double toilet roll holder with spindle system for 2 rolls maximum. (Code 359987)	No	33
88	18/10 stainless steel paper towel dispenser in satin finish. To be surface mounted 1300mm above floor level at bottom edge. (Code 359716)	No	21
89	18/10 stainless steel hands free electric hand dryer in satin finish. To be surface mounted 1300mm above floor level at bottom edge. (Code 359989)	No	19
90	18/10 stainless steel standard size waste bins in satin finish. To be surface mounted 1000mm above floor level at top edge. (Code 359731)	No	19

PARAPLEGIC FITTINGS

91	32mm Stainless steel rear straight grab rail fixed to walls (Code: 8939Z000)	No	5
92	32mm Stainless steel chamfered side grab rail fixed to walls (Code: 8940Z000)	No	5

Carried to Summary

R

Bill No. 10
Ironmongery



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M.B

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Item
No

Unit Quantity Rate Amount

BILL NO. 11

METALWORK

(CPAP WORK GROUP NO. 136 UNLESS OTHERWISE STATED)

PREAMBLES

The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section

SUPPLEMENTARY PREAMBLES

Descriptions of bolts, anchors, etc.

Descriptions of bolts shall be deemed to include nuts and washers.

Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.

Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.

Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres.

Aluminium doors, windows, etc.

Doors and windows shall comply with AAAMSA design criteria.

Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed.

The Contractor is advised that the design, supply and installation of the aluminium windows, doors and shopfronts are to be carried out in strict accordance with the Architect's specification and all aluminium profiles, manufacturing and fixing methods are to comply with

Carried Forward

R

Bill No. 11
Metalwork

M.B

SS

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Brought Forward

R

AAMSA specifications and installation standards.

The Contractor to provide shop drawings for approval by the Architect. The Contractor shall submit shop drawings for approval by the Architect within two weeks of appointment. The Contractor shall only proceed with the works after written approval has been given by the Architect.

The Contractor is to allow for and calculate tolerances for expansion and contraction of all aluminium profiles.

The contractor is to provide a waterproofing guarantee for all shopfront and windows.

The Contractor is to confirm all window and shopfront sizes with the Architect.

The following certificates shall be provided prior to commencement of work on site:

1. A copy of the relevant AAAMSA performance test certificate from the manufacturer/contractor supplying the architectural aluminium product.
2. A certificate of conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively.
3. A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process.
4. A certificate of conformance confirming that glazing has been installed in accordance with SANS 10137 ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked.
5. A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against de-lamination and colour degradation for a period of not less than five years.

Carried Forward

R

Bill No. 11
Metalwork

Brought Forward

R

Ironmongery

All ironmongery to aluminium windows, doors, shopfronts, roller shutter doors, etc. is to be high quality adjustable stainless steel friction hinges with restrictors included with self taper stainless steel screw fixing of plastic handle and lock piece supplied and fixed by the contractor. The Contractor is to provide for approval by the Architect samples of these ironmongery. All ironmongery shall be by the Architect prior to installation.

The Contractor to supply all relevant shopfronts with catches, handles, hinges, etc. to match shopfronts and doors, all to the Architects approval and as per Architect's drawing & schedules.

Sliding gear

All sliding gear to sliding doors and windows to be supplied by the contractor unless otherwise specified. The contractor to provide samples for approval by the Architect of these sliding gear. All sliding gear shall be by the Architect prior to installation.

Joints and sealants

All joints in frames shall be made by mechanical means.

An silicone sealant is to be provided for both sides of all internal and external shop fronts between the aluminium frames and brick wall or concrete column and between the aluminium frame and plaster finish.

GALVANISED STEEL GATES, SCREENS, ETC.

Hot dipped galvanised steel gates, etc.

- 1 810 x 2094mm High, single steel gate including 40 x 40 x 2mm square tubing frame with flatex 345 mesh welded between 12 x 12mm solid square bars, and 2mm thick steel plate welded between 12 x 12mm solid square bars, all in accordance with SANS Specification 121 (SABS ISO 1461) including hinges formed out of 19 x 2mm thick mild steel piping. Gate type D16. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 03, annexed to these bills of quantities.

No

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Carried Forward

R

Bill No. 11
Metalwork



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SS

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Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)

Brought Forward				R
2	1495 x 2070mm high approved roller galvanised steel gate including frame which is manufactured from steel angles and 2mm thick steel sheet shaped into sizes, all in accordance with SANS Specification 121 (SABS ISO 1461). Gate type D20. Tenderer's are referred to Architect's drawing No. 132002 UKU - A - 1006 - 03, annexed to these bills of quantities.	No	3	
3	4900 x 2180mm high approved roller galvanised steel gate including frame which is manufactured from steel angles and 2mm thick steel sheet shaped into sizes, all in accordance with SANS Specification 121 (SABS ISO 1461). Gate type D19. Tenderer's are referred to Architect's drawing No. 132002 UKU - A - 1006 - 03, annexed to these bills of quantities.	No	1	
<u>Hot dipped galvanised steel screens, etc.</u>				
4	"Screenex Galvanised or Betafence 358 Doubleskin Zincalu" steel mesh or other equally approved laid into 50 x 50 x 5mm angle iron frames, screen mesh to be laid in panels approximate size 1165 x 31405mm long. Mesh welded into frame and sandwiched between frame of 40 x 40 x 3mm angle welded to mesh and main frame. Frames exceeding 1800mm in length to have an additional 40 x 40 x 3mm angle T-support placed and welded centrally onto the mesh, welding spots to be finished with cold galvanising on site. Frames to be bolted to walls with M6 expansion bolts at 200mm centres. Tenderer's are referred to Engineer's drawing No. 23022-STR-004 Rev F, annexed to these bills of quantities.	No	1	
5	"Screenex Galvanised or Betafence 358 Doubleskin Zincalu" steel mesh or other equally approved laid into 50 x 50 x 5mm angle iron frames, screen mesh to be laid in panels approximate size 2651 x 31405mm long. Mesh welded into frame and sandwiched between frame of 40 x 40 x 3mm angle welded to mesh and main frame. Frames exceeding 1800mm in length to have an additional 40 x 40 x 3mm angle T-support placed and welded centrally onto the mesh, welding spots to be finished with cold galvanising on site. Frames to be bolted to walls with M6 expansion bolts at 200mm centres. Tenderer's are referred to Engineer's drawing No. 23022-STR-004 Rev F, annexed to these bills of quantities.	No	1	
Carried Forward				R
Bill No. 11 Metalwork				

**Proposed New Makhaza Police Station
Potion On ERF 75169 OF 59037 (Khayelitsha)**

Brought Forward				R
6	"Screenex Galvanised or Betafence 358 Doubleskin Zincalu" steel mesh or other equally approved laid into 50 x 50 x 5mm angle iron frames, screen mesh to be laid in panels approximate L-shaped size 2722 x 29725mm long and 725 x 14808mm long. Mesh welded into frame and sandwiched between frame of 40 x 40 x 3mm angle welded to mesh and main frame. Frames exceeding 1800mm in length to have an additional 40 x 40 x 3mm angle T-support placed and welded centrally onto the mesh, welding spots to be finished with cold galvanising on site. Frames to be bolted to walls with M6 expansion bolts at 200mm centres. Tenderer's are referred to Engineer's drawing No. 23022-STR-004 Rev F, annexed to these bills of quantities.	No	1	
7	"Screenex Galvanised or Betafence 358 Doubleskin Zincalu" steel mesh or other equally approved laid into 50 x 50 x 5mm angle iron frames, screen mesh to be laid in panels approximate size 1065 x 29725mm long. Mesh welded into frame and sandwiched between frame of 40 x 40 x 3mm angle welded to mesh and main frame. Frames exceeding 1800mm in length to have an additional 40 x 40 x 3mm angle T-support placed and welded centrally onto the mesh, welding spots to be finished with cold galvanising on site. Frames to be bolted to walls with M6 expansion bolts at 200mm centres. Tenderer's are referred to Engineer's drawing No. 23022-STR-004 Rev F, annexed to these bills of quantities.	No	1	
8	Purpose made flatex 345 or other equally approved hot dipped galvanised internal fixed screens, overall size 850 x 950mm to steel window, screen to be welded to inside of window with 40 x 40 x 5mm mild steel angle iron, 40 x 5mm mild steel flat bar and two openings at bottom corners in grill to open window. Window Type W5A. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	26	
9	Purpose made flatex 345 or other equally approved hot dipped galvanised internal fixed screens, overall size 850 x 950mm to steel window, screen to be welded to inside of window with 40 x 40 x 5mm mild steel angle iron, 40 x 5mm mild steel flat bar and two openings at bottom corners in grill to open window. Window type W5B. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	41	
Carried Forward				R
Bill No. 11 Metalwork				



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Brought Forward				R
10	Purpose made flatex 345 or other equally approved hot dipped galvanised internal fixed screens, overall size 850 x 950mm to steel window, screen to be welded to inside of window with 40 x 40 x 5mm mild steel angle iron, 40 x 5mm mild steel flat bar and two openings at bottom corners in grill to open window. Window Type W5C. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	7	
11	Purpose made flatex 345 or other equally approved approved hot dipped galvanised internal fixed screens, overall size 850 x 950mm to steel window, screen to be welded to inside of window with 40 x 40 x 5mm mild steel angle iron, 40 x 5mm mild steel flat bar and two openings at bottom corners in grill to open window. Window type W5D. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	7	
12	Purpose made flatex 345 or other equally approved hot dipped galvanised external hinged screens, overall size 638 x 950mm to steel window, screen to be fixed with heavy duty hinges, 100 x 75 x 8mm MS angle and cover plate, 40 x 40 x 5mm mild steel angle iron, 40 x 5mm mild steel flat bar welded to angle iron frame. 50 x 50 x 5mm mild steel angle iron, bolted to wall with M6 expansion bolts and 40 x 40 x 40 x 5mm mild steel lug for padlock. Window type W5A. Tenderer's are referred to Architect's drawings drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	26	
13	Purpose made flatex 345 or other equally approved hot dipped galvanised external hinged screens, overall size 850 x 950mm to steel window, screen to be fixed with heavy duty hinges, 100 x 75 x 8mm MS angle and cover plate, 40 x 40 x 5mm mild steel angle iron, 40 x 5mm mild steel flat bar welded to angle iron frame. 50 x 50 x 5mm mild steel angle iron, bolted to wall with M6 expansion bolts and 40 x 40 x 40 x 5mm mild steel lug for padlock. Window type W5B. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	41	
Carried Forward				R
Bill No. 11 Metalwork				

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Brought Forward				R
14	Purpose made flatex 345 or other equally approved hot dipped galvanised external hinged screens, overall size 638 x 950mm to steel window, screen to be fixed with heavy duty hinges, 100 x 75 x 8mm MS angle and cover plate, 40 x 40 x 5mm mild steel angle iron, 40 x 5mm mild steel flat bar welded to angle iron frame. 50 x 50 x 5mm mild steel angle iron, bolted to wall with M6 expansion bolts and 40 x 40 x 40 x 5mm mild steel lug for padlock. Window type W5C. Tenderer's are referred to Architect's drawings drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	7	
15	Purpose made flatex 345 or other equally approved hot dipped galvanised external hinged screens, overall size 850 x 950mm to steel window, screen to be fixed with heavy duty hinges, 100 x 75 x 8mm MS angle and cover plate, 40 x 40 x 5mm mild steel angle iron, 40 x 5mm mild steel flat bar welded to angle iron frame. 50 x 50 x 5mm mild steel angle iron, bolted to wall with M6 expansion bolts and 40 x 40 x 40 x 5mm mild steel lug for padlock. Window type W5D. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	7	
<u>HOT DIPPED GALVANISED SUNDRY STEELWORK</u>				
<u>Brackets, etc. to roof timber, benches, shelvings, etc.</u>				
16	Double slotted H25 wallband fixed to wall to manufacturer's specifications and including wallband saddle H30 for heavy loading	m	173	
17	250mm straight shelf bracket fixed to underside of timber shelves and slotted wallband	No	380	
<u>ROLLER SHUTTER DOORS</u>				
Carried Forward				R
Bill No. 11 Metalwork				



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Brought Forward				R
	<p><u>"Roll-Up Serranda" or other equally approved alu-solid powder coated aluminium solid slats roller shutter door as per manufacturer specification and design. Roller shutter door fixed to brickworks, reinforced concrete or structural steel.</u></p>			
18	Manually operated roller shutter door with perforated slats to suite overall opening 2400 x 2100mm high. Door Type D17. Tenderer's are referred to Architect's drawing No. 132002 UKU - A - 1006 - 03, annexed to these bills of quantities.	No	4	
	<p><u>GALVANISED MILD STEEL HANDRAILS, BALUSTRADING, ETC.</u></p> <p><u>Hot dipped galvanised welded and bolted balustrading including bolting with and including approved fixing plate and bolts</u></p>			
19	50mm Diameter horizontal hot dipped galvanised steel hollow round bar continuous balustrades welded to 75 x 8mm flat bar stanchion posts at approximately 1500mm centres recessed into 88mm diameter x 260mm deep core in concrete or brickwork and fixed into recess with non shrink grouted with 200 x 75 x 5mm galvanised mild steel covered plate.	m	86	
20	50mm Diameter raking hot dipped galvanised steel hollow round bar continuous balustrades welded to 75 x 8mm flat bar stanchion posts at approximately 1500mm centres recessed into 88mm diameter x 260mm deep core in concrete or brickwork and fixed into recess with non shrink grouted with 200 x 75 x 5mm galvanised mild steel covered plate	m	19	
21	50mm Diameter raking hot dipped galvanised steel hollow round bar handrail set raking with support brackets at 1200mm centres comprising 12mm diameter x 110mm long hot dipped galvanised steel rod with one end welded to rail other end bent and epoxied into brickwork including to 75mm diameter steel fixing / cover plate.	m	13	
	<p><u>(CPAP WORK GROUP NO. 140 UNLESS OTHERWISE STATED)</u></p> <p><u>ALUMINIUM WINDOWS, ETC.</u></p>			

Carried Forward

Bill No. 11
Metalwork



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Brought Forward				R
<u>Aluminium windows complete with subframes, ironmongery, glass, sealing, etc., and fixing to brickwork or concrete or steel</u> <u>All windows to with AAAMSA performance criteria A2 and able to meet the mechanical performance requirements of SANS 613 for wind loads up to 1500Pa.</u> <u>Glazing shall be executed strictly on conformance with glass manufacturer's recommendation and SANS 10137:2011 and SANS 10400 Parts B, N, XA.</u> <u>Frames to be installed strictly according to manufacturer's specifications.</u>				
22	Purpose made 'charcoal finish' powder coated aluminium window comprises of one fixed panel and two opening panels, all glazing with 4mm clear glass, overall size 1600 x 1200mm high. Window Type W01. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	93	
23	Purpose made 'charcoal finish' powder coated aluminium window comprises of one fixed panel and two opening panels, all glazing with 4mm clear glass, overall size 2100 x 1200mm high. Window Type W02. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	11	
24	Purpose made 'charcoal finish' powder coated aluminium window comprises of one fixed panel and two opening panels, all glazing with 4mm bullet resistant glass, overall size 2100 x 1200mm high. Window Type W02. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	2	
25	Purpose made 'charcoal finish' powder coated aluminium window comprises of one opening panel, all glazing with 4mm clear glass, overall size 600 x 600mm high. Window Type W03. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	39	

Carried Forward

R

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Metalwork



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Brought Forward				R
26	<p>Purpose made 'charcoal finish' powder coated aluminium window comprises of one opening panel, all glazing with 4mm clear glass, overall size 600 x 910mm high. Window Type W04. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.</p> <p><u>ALUMINIUM DOORS, ETC.</u></p> <p><u>Aluminium doors complete with subframes, ironmongery, glass, sealing, etc., and fixing to brickwork or concrete or steel</u></p> <p><u>All units suitable for coastal conditions, complying with AAAMSA performance criteria A2 and able to meet the mechanical performance requirements of SANS 613 for wind loads up to 1500Pa.</u></p> <p><u>Glazing shall be executed strictly on conformance with glass manufacturer's recommendation and SANS 10137:2011 and SANS 10400 Parts B, N, XA.</u></p> <p><u>Frames to be installed strictly according to manufacturer's specifications.</u></p>	No	4	
27	<p>1559 x 2032mm High purpose made aluminium double doors with glazed panels in 6mm thick laminated safety glass to be provided in the top and bottom panels. Door Type D03. Tenderer's are referred to Architect's drawings annexed to these Bills of Quantities, Architect's drawing no. UKU - A- 1006 - 02.</p> <p><u>Aluminium pivot shower panels, factory glazed with 6mm thick frosted laminated safety glass, and fix in strict accordance with the manufacturers specifications:</u></p>	No	3	
28	<p>900 x 1940mm High shower door</p> <p><u>SHOPFRONTS</u></p>	No	1	
Carried Forward				R
Bill No. 11 Metalwork				



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Brought Forward				R
<p><u>Aluminium shopfronts complete with subframes, ironmongery, glass, sealing, etc., and fixing to brickwork or concrete or steel</u></p> <p><u>All units suitable for coastal conditions, complying with AAAMSA performance criteria A2 and able to meet the mechanical performance requirements of SANS 613 for wind loads up to 1500Pa.</u></p> <p><u>Glazing shall be executed strictly on conformance with glass manufacturer's recommendation and SANS 10137:2011 and SANS 10400 Parts B, N, XA.</u></p> <p><u>Frames to be installed strictly according to manufacturer's specifications.</u></p>				
29	<p>2285 x 2100mm High purpose made "charcoal finish" powder coated aluminium shopfront, all glazing with 6.4mm laminated safety glass. Shopfront Type CURT01. Tenderer's are referred to Architect's drawings annexed to these Bills of Quantities, Architect's drawing No. UKU - A -1006-01.</p> <p><u>(CPAP WORK GROUP NO. 136 UNLESS OTHERWISE STATED)</u></p> <p><u>GALVANISED PRESSED STEEL DOOR FRAMES</u></p> <p><u>1.6mm Double rebated frames suitable for one brick wall</u></p>	No	23	
30	<p>Frame for single door size 813 x 2032mm high including hinges welded to frame. Door Type D01. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.</p>	No	98	
31	<p>Frame for single door size 813 x 2032mm high including hinges welded to frame. Door Type D02. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.</p>	No	25	
32	<p>Frame for single door size 813 x 2032mm high including hinges welded to frame. Door Type D04. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.</p>	No	19	

Carried Forward

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Metalwork

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**Proposed New Makhaza Police Station
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Brought Forward				R
33	Frame for single door size 813 x 2032mm high including hinges welded to frame. Door Type D12. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.	No	7	
34	Frame for single door size 813 x 2032mm high including hinges welded to frame. Door Type D13. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.	No	1	
35	Frame for double door size 1489 x 2032mm high including hinges welded to frame. Door Type D05. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.	No	4	
36	Frame for double door size 4200 x 2030mm high including hinges welded to frame. Door Type D14. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.	No	1	
<u>STEEL STRONGROOM DOORS, VENTILATORS, ETC</u>				
<u>Approved strongroom doors etc suitable for 230mm walls, fixed to brickwork or concrete</u>				
37	164 x 750 x 1860mm High single strongroom steel door, and 480kg in weight, all to manufacturers specifications including 50mm frame, category 2 (light duty) strongroom door to manufacturers specifications with rustproof undercoat by manufacturer two coats of universal SABS approved gloss enamel paint to door and door frame. Ironmongery to include 8 bolts of 40mm diameter (4 front, 4 back). All to manufacturers specifications. 2 x 7-lever security keylock to manufacturer's specifications. Colour by architect (elsewhere measured). Door type D07. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.	No	4	
<u>Approved strongroom ventilators</u>				
38	Ventilator size 250 x 250mm	No	4	
<u>GALVANISED PRESSED STEEL DOORS</u>				
Carried Forward				R
Bill No. 11 Metalwork				

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Brought Forward				R
<u>Steel doors suitable for one brick wall</u>				
39	813 x 2032mm High single steel door, manufactured from 40 x 40 x 2.5mm square tube frame and 2mm sheet metal on both sides, finished to have rounded edges all sides, all steel work to be hot dipped galvanised and in accordance to SAPS and Five Star Specifications. Door type D13. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.	No	1	
40	894 x 1958mm High single steel door, manufactured from steel angles shaped into size as per drawings (POL 2012/D1/D3/ & D4), all steel work to be hot dipped galvanised and all in accordance to SAPS and Five Star Specifications. Door type D08. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.	No	23	
41	894 x 1958mm High single steel door, manufactured from steel angles shaped into size as per drawings (POL 2012/D1/D3/ & D4), all steel work to be hot dipped galvanised and all in accordance to SAPS and Five Star Specifications. Door type D09. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.	No	20	
42	1084 x 1958mm High single steel door, manufactured from steel angles shaped into size as per drawings (POL 2012/D1/D3/ & D4), all steel work to be hot dipped galvanised and all in accordance to SAPS and Five Star Specifications. Door type D10. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.	No	4	
43	1084 x 1958mm High single door manufactured from steel angles shaped into size as per drawings (POL 2012/D1/D3/ & D4), all steel work to be hot dipped galvanised and all in accordance to SAPS and Five Star Specifications. Door type D11. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 02, annexed to these bills of quantities.	No	2	
<u>GALVANISED PRESSED STEEL WINDOWS</u>				
Carried Forward				R
Bill No. 11 Metalwork				

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1964

Brought Forward				R
<u>Windows, doors, etc of rolled sections</u>				
44	Purpose made steel window, overall size 850 x 950mm high security cell window with two stage barrier installation, as per manufacturers specification, with 30 x 16mm manganese grade SS14/7 or Creusabro 8000 (water laser) steel bar built 150mm into wall and 230 x 1,6mm mild steel lug built into wall with 6.4mm laminated safety glass, internal fixed screens and external hinged screens (internal and external screens, elsewhere measured). Window Type W5A. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	26	
45	Purpose made steel window, overall size 850 x 950mm high security cell window with two stage barrier installation, as per manufacturers specification, with 30 x 16mm manganese grade SS14/7 or Creusabro 8000 (water laser) steel bar built 150mm into wall and 230 x 1,6mm mild steel lug built into wall with 6.4mm laminated safety glass, internal fixed screens and external hinged screens (internal and external screens, elsewhere measured). Window Type W5B. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	41	
46	Purpose made steel window, overall size 638 x 950mm high security cell window with two stage barrier installation, as per manufacturers specification, with 30 x 16mm manganese grade SS14/7 or Creusabro 8000 (water laser) steel bar built 150mm into wall and 230 x 1,6mm mild steel lug built into wall with 6.4mm laminated safety glass, internal fixed screens and external hinged screens (internal and external screens, elsewhere measured). Window Type W5C. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	7	
47	Purpose made steel window, overall size 850 x 950mm high security cell window with two stage barrier installation, as per manufacturers specification, with 30 x 16mm manganese grade SS14/7 or Creusabro 8000 (water laser) steel bar built 150mm into wall and 230 x 1,6mm mild steel lug built into wall with 6.4mm laminated safety glass, internal fixed screens and external hinged screens (internal and external screens, elsewhere measured). Window Type W5D. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	7	
Carried Forward				R
Bill No. 11 Metalwork				

Brought Forward				R
48	Purpose made steel window, overall size 900 x 1000mm high security cell window with two stage barrier installation and 100 x 50 x 2,5mm steel open channel frame with glazing beads, steel mesh with 6.4mm thick laminated glass including a circular cut out. Fitted with 16mm diameter bright mild steel bars at 80mm centres with M8 expansion bolts to fix frame onto wall, including 8mm rivets to secure speech profile at 150mm centres with timber spacers to hold glass in position. Window Type W6. Tenderer's are referred to Architect's drawing No. UKU - A - 1006 - 01, annexed to these bills of quantities.	No	3	
<u>BULLET PROOF GLASS</u>				
<u>53mm thick ballistic glass with 75mm diameter communication hole at 1600mm high from floor. Window to be installed on top of countertop. Provide for the window to be tinted to reduce vision from the outside.</u>				
<u>All to meet AAAMSA certification. Contractor to provide shop drawings for approval and AAAMSA certification. All measurements to be checked on site prior to manufacture.</u>				
49	Bullet proof glass 900 x 2900mm high	No	2	
50	Bullet proof glass 1080 x 2900mm high	No	1	
51	Bullet proof glass 1200 x 2900mm high	No	1	
52	Bullet proof glass 1259 x 2900mm high	No	1	
53	Bullet proof glass 2180 x 2900mm high	No	1	
54	Bullet proof glass 2380 x 2900mm high	No	1	
<u>GALVANISED STEEL BURGLAR BARS</u>				
<u>Galvanised mild steel burglar bars comprises of 12mm vertical round bars welded on 40 x 5mm flat bar frame at 80mm centres. Frames to be bolted to walls with M6 expansion bolts at 500mm centres. All visible bolts must be tack welded.</u>				
55	Burglar bar size 4770 x 3000mm high including opening for a single steel door, door type D08 (Door elsewhere measured).	No	1	
Carried Forward				R
Bill No. 11 Metalwork				



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SS

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Brought Forward

R

PINNING BOARDS

Anodized aluminium framed felt pinning board plugged and screwed to walls with counter sunk brass screws and cupped washers

- 56 Pinning board, size 1500 x 900mm high. Tenderer's are referred to Architect's drawing No. UKU - A - 1008 - 03, annexed to these bills of quantities.

No 9

STEEL LOCKERS

Three tier three door steel lockers (Code: LOC003), epoxy powder coated with flush fitting doors, for padlock. To comply with BS EN ISO 9001-2000 requirements. Colour, admiral grey.

- 57 300 x 450 x 1800mm high steel lockers

No 35

SUNDRIES

- 58 Galvanised spiral intersecting cross type razor wire(barbed wire) with 3 to 5 clips on every to neighbour coil loop. Tenderer's are referred to Architects drawing No. 132002 UKU - A - 1003 - SP3 , annexed to these bills of quantities.

m 706

- 59 Uni-Angle 914mm x 610mm x 1829mm high galvanised steel shelving with maximum load of 120kg UDL. Product Code(USS-BG-G-1.8-610-6). Tenderer's are referred to Architect's drawing No. UKU - A - 3000 - SP20, annexed to these bills of quantities.

No 17

- 60 30mm diameter stainless steel grade 304 hand cuff rail fixed to wall with 4xM10 full threaded bolts, chemically anchored in wall, through 150 x 150 x 6mm stainless steel base plate @1m intervals. Tenderer's are referred to Architect's drawing No. UKU - A - 1007- 02, annexed to these bills of quantities.

m 8

- 61 Blinds Premium (G2) 2400 Roller blind colour Riviera - Grey with stainless steel chain mechanism with right/ left hand side chain control (to be confirmed on site) , size between 1500 to 2450mm wide x 2300mm drop, face fixed in accordance with manufacturer's recommendations.

No 100

Carried Forward

R

Bill No. 11
Metalwork

Proposed New Makhaza Police Station
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Brought Forward

R

62 Library steel ladder for 120mm sliding bracket kit size
400 x 3000mm long, installed all in accordance to
specialist

No

1

Carried to Summary

R

Bill No. 11
Metalwork



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M.B SS

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Item
No

BILL NO. 12

PLASTERING

**(CPAP WORK GROUP NO. 142 UNLESS
OTHERWISE STATED)**

PREAMBLES

The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "General Preambles for Trades 2017" as published by the Association of South African Quantity Surveyors", and Supplementary Preambles for further description and amplification of work in this section

SUPPLEMENTARY PREAMBLES

Method

The method to be used shall be either the monolithic method or the bonded method

Laying

Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels

Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels

After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and latence shall then be removed and the surface steel trowelled or power floated

SELF LEVELLING SCREED

Carried Forward

R

Bill No. 12
Plastering



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M.B SS

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Brought Forward			R
<u>"TAL SCREEDMASTER" or other equally approved 5mm Self Levelling compound, installed in strict accordance with manufacturers instructions. To include "TAL Primer" or other equally approved.</u>			
1	On floors to receive vinyl sheeting (vinyl sheeting elsewhere measured)	m2	46
<u>SCREEDS</u>			
<u>Screeds wood floated, on concrete</u>			
2	30mm Thick screeds (LI)	m2	1 303
3	30mm Screed to stairs (LI)	m2	13
4	40mm screed to falls (LI)	m2	11
<u>GRANOLITHIC</u>			
<u>Untinted granolithic, on concrete</u>			
5	30mm thick on floors (LI)	m2	777
6	30mm Grano screeds to stairs (LI)	m2	17
7	15mm thick on concrete benches (LI)	m2	39
8	75mm High coved skirting (LI)	m	69
9	90mm High coved skirting (LI)	m	547
<u>INTERNAL PLASTER</u>			
<u>One coat cement plaster steel floated on brickwork</u>			
10	On walls (LI)	m2	1 909
11	On narrow widths (LI)	m2	134
<u>One coat cement plaster steel floated on concrete</u>			
12	On concrete walls (LI)	m2	187
13	On concrete soffits (LI)	m2	577
14	On concrete beams (LI)	m2	515
Carried Forward			R
Bill No. 12 Plastering			