

SECURITY GATES

Security gates

9	Single gate 900 mm x 2 100 mm high of 32 mm x 32 mm x 2 mm hollow section mitred , frames and welded frame filled in with 10 mm x 10 mm solid square bars vertical at 100 mm centres maximum and 2 x 32 mm x 10 mm flat section cross braces drilled to receive square bars and fitted with one and a half pair of 100 mm x 125 mm steel projection hinges (hinges welded to frame and bolted to brickwall with 10 mm diameter expansion bolts - head of bolt to pass through hinge into frame when closed), oval cylinder upright lockset with "Gower" handles (lockset to be fully enclosed by mild steel housing) complete with escutcheons, striking plates and forends and top- and bottom bolts.	No	2
10	Purpose made security gate as D11(See attached at the back of the Bill of Quantities).	No	1
11	Purpose made Security gate as D15 size 2600 wide x 2100 high, ditto.	No	1
<u>CELL DOORS</u>			
12	Standard solid steel cell door, grill gate and frame combination size 1 018 mm wide x 2020 mm high complete with and including locks, handles, hinges, etc. as per attached drawings POL2012/D1 - POL2012/D5.	No	6

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CELL GATES

13	Standard grille Cell gate 894 x 1 966mm high formed of 50 x 50 x 4mm hollow section frame, mitred at corners filled in with four 50 x 50 x 4mm horizontal middle rails and 16mm diameter vertical rods at 88mm centres, lock box insert formed of two 40 x 10mm flat section bars 236mm long welded to two 240 x 230 x 5mm lock box plates for lock (elsewhere), gate hinged to steel door frame with two (Type A - Top & Bottom Hinge) and one (Type B - Middle Hinge) 40mm diameter hinges each 120mm formed of hinge pin 90mm (Type A), 100mm (Type B) long with 19,5mm diameter spindle 30mm (Type A), 40mm (Type B) long hollowed for 16mm carbon chromium steel roller ball (Type A) and spindle 60mm long with 20mm diameter hole 45mm long to house spindle (Type A & B) and roller ball and threaded for 12mm diameter x 30mm grade 8.8 bolt with locknut (Type A) and drilled for and including grease nipple (Type A & B) (POL2012/D1 to D5)	No	6
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CELL WINDOWS

14	Standard cell window size 920 mm wide x 1000 mm high complete with window, 6,4 mm laminated glass glazing, internal- and external fixed screens complete, web width 10mm and openings of 10mm x 40mm (POL2012/W1 to W3)	No	6
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STEEL ADJUSTABLE SHELVING

15	1.6mm Thick double slot wall band 2100mm long plugged and screwed to wall	No	31
16	1.6mm Thick shelf support brackets 400mm wide	No	86

ALUMINIUM WINDOWS, DOORS, ETC

Note: Tenderers are referred to architect's drawing attached to these bills of quantities for tender purposes

Windows and doors

Doors and windows to be of the types described, and manufactured by and in accordance with the standard specification of "Aluminium City", or other approved hereinafter referred to as the Manufacturer.

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After manufacture, the Manufacturer shall be responsible for the delivery to site, unloading, placing in temporary storage, setting up and fixing in position, the supply of glass and glazing complete, sealant pointing, application and removal of protection tape and cleaning and servicing on completion of all aluminium doors and windows. Cleaning of glass before handing over shall be the responsibility of the Contractor as all glass is to be glazed clean by the manufacturer.

Glazing

Doors and windows are to be glazed with glass as described. Glazing may be either factory or site glazed and shall be executed by the Manufacturer who must ensure that glass is clean and free from any defects on completion of glazing

Fixing

All doors and windows are to be fixed in position by the Manufacturer. All must be perfectly plumb and shall be strutted and braced as necessary to prevent distortion

Pointing etc.

All doors and windows shall be waterproofed with "Sondor" or other approved wax impregnated sealing strip between the aluminium frame and the structure, and in addition shall be pointed all round on the external face with "Expandite Thioflex 600" or other approved twopart polysulphide liquid polymer sealing compound, applied at the junction of the frame with the structure. Pointing, etc. of doors and windows shall be executed by the manufacturer, or his approved specialist waterproofing sub-contractor

Protection

The protection of aluminium doors and windows during and after fixing shall be the responsibility of the Contractor, they must be kept free from mortar droppings, etc. any units damaged are to be replaced. Aluminium doors and windows shall be protected with suitable adhesive protection tape applied to all exposed surfaces by the Manufacturer at the factory prior to delivery to site. Protection tape is to be of a different colour from the anodising

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Servicing etc.

When necessary, all protection tape shall be removed by the Manufacturer, who shall then clean the doors and windows, but excluding the glass, which will have been glazed clean, test and service them, make all necessary adjustments and/or repairs and leave them in perfect order. Protection of the doors and windows after servicing by the Manufacturer and cleaning of glass after glazing shall be the responsibility of the Contractor

Prices

Prices for aluminium shall include the manufacture, delivery to site, unloading, setting up and fixing in position, supply of glass and glazing complete, "Sondor" sealing strips, wrought softwood infill linings to all hollow section aluminium frames according to details and sealant pointing, fixing lugs, brackets, screws, beads, timber grounds, cleaning and servicing of windows, all by the Manufacturer

References

The type numbers used in the following descriptions are those referred to the relevant type numbers on the drawings issued for tender and construction purposes. The sizes given in the following descriptions are nominal and prices are to take cognisance thereof

Ironmongery

Prices for windows, doors and frames should allow for all the ironmongery specified on the drawings referred to

Purpose made Bronze powder coated aluminium windows, complete with and including ironmongery and 4mm glazing as per the specifications and window schedules at the back of the bill of quantities. All as per SABS regulations and fixed into openings between suspended ceilings, concrete beams, steel beams, brick walls, etc.(see attached drawings)

17 Window 600 x 650mm high (W1)

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18	Window 1000 x 650mm high (W2)	No	2
19	Window 1510 x 650mm high (W3)	No	3
20	Window 510 x 950mm high (W4)	No	3
21	Window 1000 x 950mm high (W5)	No	8
22	Window 1500 x 925mm high (W6)	No	2
<p><u>Purpose made Bronze powder coated aluminium windows, complete with and including ironmongery and 6mm glazing as per the specifications and window schedules at the back of the bill of quantities. All as per SABS regulations and fixed into openings between suspended ceilings, concrete beams, steel beams, brick walls, etc.(see attached drawings)</u></p>			
23	Window 1000 x 1250mm high (W7)	No	3
24	Window 1500 x 1250mm high (W8)	No	15
25	Window 2000 x 1250mm high (W9)	No	10
26	Window 2400 x 2100mm high (W10)	No	2
27	Window 3278 x 2100mm high (W11)	No	1
<p><u>Purpose made Bronze powder coated aluminium doors, complete with and including ironmongery and glazed as per the specifications and door schedules at the back of the bill of quantities. All as per SABS regulations and fixed into openings between suspended ceilings, concrete beams, steel beams, brick walls, etc.(see attached drawings)</u></p>			
28	Door size 1800 x 2050mm high (D6)	No	1

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29	Door size 1500 x 2075mm high (D7)	No	3
30	Door size 900 x 2050mm high (D8)	No	11
31	Door size 2400 x 2100mm high (D10)	No	1
32	Door size 1800 x 2075mm high (D14)	No	1

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SECTION NUMBER 2

BILL NUMBER 12

STRUCTURAL STEELWORK (PROVISIONAL)

SUPPLEMENTARY PREAMBLES

The "Model Preambles for Trades" (1992 Edition) as recommended and published by the Association of South African Quantity Surveyors shall be deemed to be incorporated herein for tender purposes. Tenderers are referred to this document for the full intent and meaning thereof

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or other approved may be used with prior approval from the architect.

Where there is a reference to SABS code, it means the new SANS code definition.

NOTES

1. All steel must be grade 300 W to SABS 1431.
Commercial
Grade cold rolled sections to have a minimum yield stress of
225 MPa (Contractor to get confirmation from supplier in this regard).
2. All bolts and nuts to be grade 8.8 unless otherwise specified.
Bolts shall be hot dip galvanised to BS763 and it must be possible to screw mate parts together by hand.
3. All fasteners must be supplied by the Contractor.

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Structural Steelwork
RUBIQUANT QUANTITY SURVEYORS

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4. All welds shall be full penetration 6mm welds to SABS 044 and SABS 455, all round where possible, unless otherwise stated.
5. All construction and workshop details must be approved by the Engineer before fabrication is started.
6. Structural steelwork must be carried out according to SABS 1200H.
7. All bolts and nuts must have washers.
8. The contractor must ensure adequate structural stability of the structure for the full duration of erection. The contractor shall supply all temporary bracing and fixing mechanisms to achieve the above.
9. No holes to be formed or widened with the use of a cutting torch. The contractor must confirm all dimensions on site. Discrepancies to be reported to the engineer.
10. Prices for all structural steelwork are to include for the following:
 - (a) preparation and submission of two complete sets of shop drawings to the Structural Engineers for approval,
 - (b) fabrication,
 - (c) cleaning down and sandblasting to SA 2,5 (SIS 05 5900 - 1967) with profile of between 40 and 70 micron,
 - (d) prime (within 3 hours of sandblasting) with "Plascon zinc phosphate primer (UC. 170) to dry film thickness of between 50 and 100 micron,

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- (e) delivery to site,
- (f) storage, if necessary,
- (g) hoisting and erection complete, including all holing,
galvanised mild steel bolts, washers, packing
pieces,
bolting, welding, etc
- 11. Painting of structural steelwork after erection is
elsewhere
measured

SUNDRY GALVANISED STEELWORK

**Galvanised steel posts as per Engineer's
specification**

1	75 x 75 x 3mm Thick square hollow section	kg	542
2	75 x 50 x 20 x 3mm Thick cold-formed lipped channel	kg	303
3	150 x 75 x 25 x 2.5mm Thick cold-formed lipped channel	kg	337
4	5mm Mild steel connection plate at roof truss welded	No	34
5	5mm Mild steel connection plate at base plate welded	No	34
6	M12 Bolt and nut	No	136
7	M20 Holding down bolt	No	136

HIGH SECURITY MESH SCREEN CEILINGS

**Security mesh ceiling to be manufactured according
recommended specifications. All steelwork to be hot
dipped galvanised. Verify dimensions of areas
mesh panel sizes before manufacturing as per Five
star specifications 2012 POL2012/G1**

8	Screenex or Beahaert Bastion Hi Security 358 Singleskin Galfan Class A coated (SANS Spec. 10244- 2:2003) or other approved, mesh panels fitted into framework with secure fixing	m2	80
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9	IPE 180 x 91 x 19mm I-section beams	kg	1 016
10	Extra over IPE 180 I-section beam for T-intersection	No	26
11	40 x 40 x 3mm Angle section framing	kg	466
12	50 x 50 x 5mm Angle section framing bolted to wall of welded to I-beam (bolts elsewhere)	kg	955
13	90 x 90 x 6mm Angle section framing bolted to wall of welded to I-beam (bolts elsewhere)	kg	245
14	100 x 75 x 6mm Angle section bracket bolted to wall	kg	238
15	150 x 90 x 10mm Angle section support bolted to wall (bolts measured elsewhere)	kg	143
16	250 x 50 x 10mm Lugs built into brickwork	No	196
17	3mm Solid steel plate size 1 250mm x 1 250mm welded to the mesh (elsewhere measured)	No	4
18	Extra over 50 x 50 x 5mm angle section framing for mitred corner intersection	No	44
19	Hole through 5mm steel for bolt	No	651
20	Hole through 6mm steel for bolt	No	768
21	Hole through 10mm steel for bolt	No	365
22	16mm Diameter chemical anchor bolt	No	1 302
23	20mm Diameter chemical anchor bolt	No	462

STEEL FLOORS, STAIRS, ETC

Welded and bolted stairs

24	Mobile steps overall size 1650 x 840mm wide complete as per drawing attached	No	1
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Structural Steelwork

RUBIQUANT QUANTITY SURVEYORS

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	<u>SECTION NUMBER 2</u>			
	<u>BILL NUMBER 13</u>			
	<u>PLASTERING</u>			
	JBCC Work Group No. 142			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	The "Model Preambles for Trades" (1992 Edition) as recommended and published by the Association of South African Quantity Surveyors shall be deemed to be incorporated herein for tender purposes. Tenderers are referred to this document for the full intent and meaning thereof			
	<u>SCREEDS</u>			
	<u>Sponge finished wood floated on concrete</u>			
1	50mm Thick on floors and landings	m2	511	
2	50mm thick on roofs to falls and currents	m2	86	
	<u>GRANOLITHIC</u>			
	<u>Untinted smooth floated granolithic on concrete</u>			
3	35 mm Thick on floors and landings in panels strictly (Provisional)	m2	234	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork</u>			
4	On walls	m2	268	
5	On narrow widths	m2	71	
	<u>Cement plaster on concrete finished with a steel trowel</u>			
6	On ceilings	m2	86	
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EXTERNAL PLASTER

Cement plaster on brickwork

7	On walls	m2	193
8	On narrow widths	m2	63

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Item No		Quantity	Rate	Amount
	<u>SECTION NUMBER 2</u>			
	<u>BILL NUMBER 14</u>			
	<u>TILING</u>			
	JBCC Work Group No. 144			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	The "Model Preambles for Trades" (1992 Edition) as recommended and published by the Association of South African Quantity Surveyors shall be deemed to be incorporated herein for tender puposes. Tenderers are refered to this document for the full intent and meaning thereof			
	<u>WALL TILING</u>			
	<u>200 x 200 x 4.7mm thick 1st grade white ceramic wall tiles fixed with approved adhesive to plaster (plaster elsewhere measured) and flush pointed with waterproof jointing compound</u>			
1	On walls	m2	316	
2	In narrow widths	m2	3	
	<u>FLOOR TILING</u>			
	<u>300 x 300 x 8mm Full Body Porcelain non-slip tiles on and including 10mm bedding laid on screed (screed elsewhere measured) and flush pointed with tinted waterproof jointing compound with maximum 8mm joints</u>			
3	On floors	m2	511	
4	Skirting 100mm high	m	551	
	<u>SUNDRIES</u>			
	<u>Internal or external corner strips</u>			
5	8mm Aluminium Round Edge Trim (ARE080)	m	12	
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	Section No. 2 Bill No. 14 Tiling RUBIQUANT QUANTITY SURVEYORS			

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	<u>SECTION NUMBER 2</u>			
	<u>BILL NUMBER 15</u>			
	<u>PLUMBING AND DRAINAGE (Provisional)</u>			
	JBCC Work Group No. 146 & 148			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	The "Model Preambles for Trades" (1992 Edition) as recommended and published by the Association of South African Quantity Surveyors shall be deemed to be incorporated herein for tender puposes. Tenderers are refered to this document for the full intent and meaning thereof			
	<u>RAINWATER DISPOSAL</u>			
	<u>0.7mm Baked enamel on aluminium gutter system in continues lengths to replace existing</u>			
1	100 x 125mm Ogee eaves gutters	m	269	
2	Extra over eaves gutter for stopped end	No	18	
3	Extra over eaves gutter for angle	No	22	
4	Extra over eaves gutter for outlet for 100 x 76mm pipe	No	48	
5	100 x 76mm Downpipe	m	154	
6	100 x 76mm Spreader pipe 800mm long	No	48	
7	Extra over rainwater pipe for offset bend	No	48	
8	Ditto for shoe	No	48	
9	380 X 900mm Concrete water channel	No	48	
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SANITARY FITTINGS

Replace existing WASH HAND BASINS complete in position and connected to services

10	Vaal cameo code 7028 wash hand basin or similar approved, fix into vanity slab	No	7
11	32 x 50 mm Chromium plated bottle trap as Cobra 50521 -or other approved- including coupling and joints to uPVC pipe and to fitting	No	7
12	15 mm Copper (1.2 mm thick) service pipe average 350 mm girth, bent as necessary, including one straight copper to iron fitting (tap)	No	7
13	Cobra Heritage PA-851 -or other approved- basin mixer and 32 mm chromium plated waste union with backnut, chain and vulcanite plug	No	5
14	Cobra -or other approved- helping hand basin mixer and 32 mm chromium plated waste union with backnut, chain and vulcanite plug	No	2
15	15 mm Castle -or other approved- ballostop	No	14

Replace existing WC suites complete

16	White Vitreous China floor mounted WC set with flushing cistern, Vaal sanitary WC DAISY (code 772403), semi-close coupled 90 degree outlet open rim washdown pan (code 751400) with B2 thermoset seat (code 8517Z020) and matching 9 litre cistern (code 7116SC) complete with lid fitments and flush pipe elbow or other approved, ball valves to be of brass and SABS 752 to size, plastic ball floats for ball valves to SABS 1006, specifications having closed fronts of size and shape required to fit the pan, each attached to pan with non-ferrous metal fixing bolts, fixing and installation procedures as per Manufacturer's specifications, securely screw fixed by means of suitable approved wall plugs.	No	6
17	15 mm Copper (1.2 mm thick) service pipe average 350 mm girth, bent as necessary, including one straight copper to iron fitting (tap)	No	13
18	15 mm Chromium plated ballostop	No	13

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Plumbing and Drainage
RUBIQUANT QUANTITY SURVEYORS

The following in PARAPLEGIC WC suite complete

19	Low level paraplegic WC suite comprising of Vaal sanitary WC DAISY (code 772403), semi-close coupled 90 degree outlet open rim washdown pan (code 751400) with B2 thermoset seat (code 8517Z020) and matching flush master (code 8960z0000) complete or other approved, specifications having closed fronts of size and shape required to fit the pan, each attached to pan with non-ferrous metal fixing bolts, fixing and installation procedures as per Manufacturer's specifications, securely screw fixed by means of suitable approved wall plugs	No	2
20	15 mm Copper (1.2 mm thick) service pipe average 350 mm girth, bent as necessary, including one straight copper to iron fitting (tap)	No	2
21	15 mm Chromium plated ballostop	No	2

The following in URINAL complete

22	Flatback urinal code 7053	No	2
23	32 x 50 mm Chromium plated bottle trap including coupling and joints to uPVC pipe and to fitting	No	2

STAINLESS STEEL (340 (18/10)) WASH HAND BASINS, WC SUITES, ETC

Replace existing fittings

The following in wash hand basins fixed complete in position and connected to services (refer to 5 Star Specification : 2012)

24	"OVE Model OSB 1A/125" or other approved vandal proof wash hand basin (Drinking Fountain) manufactured from 1,2mm grade 304 AISI (18/10) stainless steel; fully welded and polished to a no. 4 satin finish; size 340 x 350 x 125mm, including a fitted 15mm push-button tap mounted at top with 38mm chromium plated brass waste outlet, built flush into brick wall and secured with steel lugs (POL2012/S1 to S2)	No	3
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Plumbing and Drainage
RUBIQUANT QUANTITY SURVEYORS

<u>The following in WC suites fixed complete in position and connected to services (refer to 5 Star Specification : 2012)</u>		
25	"OVE Model OSPA1" or other approved vandal proof wc pan (concrete filled) manufactured from 1,2mm grade 304 AISI (18/10) stainless steel; fully welded and polished to a no. 4 satin finish; 485 x 390 x 435mm high with circular flushing rim and bowl, full flow "P" trap, 38mm diameter supply flush pipe; both sufficient length to protrude the wall. (All connections to be outside). Integral 35mm wide fixing flange to bottom sides and top 7 times bolted to wall and floor complete with expanded metal mesh for mechanical bond for plaster/screed to the pan flange (POL2012/S1)	No 7
26	"WALCRO No 104" or other approved brass back entry non hold open toilet flush valve with integral vacuum breaker and modified push-rod connector, complete with 38mm diameter flushpipe, bend and pan connector (POL2012/S1)	No 7
27	Prison type "ECONOFLUSH" as type KF3.404 or other approved including elbow, straight pipe and pan connector (POL2012/S1)	No 7
<u>The following in showers fixed complete in position and connected to services (refer to 5 Star Specification : 2012)</u>		
28	Walcro metering Shower rose CIRS-V2 with 150NHS shower valve or similar and approved min 2400mm above FFL	No 3
<u>Sinks, washtroughs, etc.</u>		
29	Single pressed bowl wash trough 560 x 495mm with 40mm chromium plated waste union and fixed with 2 (No.) 25mm stainless steel gallows brackets to walls.	No 5
30	Double centre bowl stainless steel (Grade 304(18/10)) overlay sink size 530 mm wide x 1 200 mm long fixed watertight on top of floor unit (elsewhere measured)	No 4
31	15 mm Chromium plated Star pattern wall type swing outlet sink mixer tap complete with 2 x 32 mm basin union, plug and chain.	No 9

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Plumbing and Drainage
RUBIQUANT QUANTITY SURVEYORS

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32	50 mm Deep seal "P" or "S" trap	No	9
<u>TAPS, VALVES, ETC.</u>			
<u>Brass</u>			
33	15mm Stopcock	No	3
34	22mm Stopcock	No	6
<u>ELECTIC WATER HEATERS</u>			
35	150 Litre horizontal high pressure electric water heater	No	2
36	Drip tray to suit 150 litre horizontal geyser with 100mm high upstand with top edge bent over all round including 50mm diameter overflow pipe 3000mm long approximately 3m above ground level	No	2
<u>SANITARY PLUMBING</u>			
<u>PIPES, ETC.</u>			
<u>uPVC pipes</u>			
37	50mm Pipes	m	63
38	110mm Pipes	m	8
<u>Extra over uPVC pipes for fittings</u>			
39	50mm Bend	No	42
40	110mm Bend	No	8
41	50mm Junction	No	18
42	110mm Pan connector	No	8
43	50mm Access bend	No	21
44	50mm Access junction	No	18
45	110mm "GI Two-way" vent valve	No	8

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Bill No. 15
Plumbing and Drainage
RUBIQUANT QUANTITY SURVEYORS

WATER SUPPLIES

Copper pipes (class 460/2) with soldered joints

46	15mm Pipes	m	172
47	22mm Pipes	m	121

Extra over copper pipes (class 460/2) for capillary fittings

48	15mm Fittings	No	168
49	22mm Fittings	No	59

Extra over copper pipes for capillary soldered fittings

50	15 mm Fittings	No	172
51	22 mm Fittings	No	73

LAGGING

25mm Thick fibre glass insulation wrapped around pipes and fittings including straps, etc.

52	15mm Pipes	m	92
53	22mm Pipes	m	93

Taps, valves, etc.

54	15 mm Brass bibcock with hose connection and 1/2" threaded outlet	No	3
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FIRE APPLIANCES. ETC.

Fire hose reels, extinguishers, etc.

55	4,5kg Dry chemical fire extinguisher	No	7
56	4,5kg Carbon dioxide fire extinguisher	No	8
57	9kg Stored pressurised dry chemical powder fire extinguisher mounted on and including 22 x 100 x 520mm hardwood chamfered board plugged	No	8

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The following in fire hose reel, etc

58	25mm Galvanised steel pipe fixed to wall with U-bolt brackets	m	15
59	Female adaptor - 7030 32 x 1	No	5
60	25mm Brass quick-coupling valve as model 44RC	No	5
61	SH-2 Hose swivel	No	5
62	100mm Diameter uPVC sleeve not exceeding 250mm long	No	5
63	Hose reel complete with 30m plastic hose, chromium plated stopcock, shutt-off nozzle and wall bracket	No	5

TESTING, ETC.

64	Provide all necessary apparatus, water, etc. for and test the internal drainage system to the satisfaction of the Representative/Agent	Item	
65	Provide all necessary apparatus, water, etc. for and test the internal hot and cold water and fire reticulation to the satisfaction of the Representative/Agent	Item	

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Section No. 2
Bill No. 15
Plumbing and Drainage
RUBIQUANT QUANTITY SURVEYORS

WATERPROOFING TO ROOFS

Derbigum roofing to low-slope (flat) screeded concrete roofs or other approved

- 4 One layer SP4 waterproofing membrane, with 75mm side and 100mm end laps, sealed to bitumen primed surface to falls and cross falls by 'torchfusion' finished with two coats bitumenous aluminum paint.
(Waterproofing to be installed by an Approved Contractor under a ten year guarantee)

m2

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Waterproofing
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Waterproofing

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Waterproofing

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	BILL NUMBER 6			
	ROOF COVERINGS, ETC.			
	JBCC Work Group No. 122			
	SUPPLEMENTARY PREAMBLES			
	The "Model Preambles for Trades" (1992 Edition) as recommended and published by the Association of South African Quantity Surveyors shall be deemed to be incorporated herein for tender puposes. Tenderers are refered to this document for the full intent and meaning thereof			
	<i>NOTE : The Contractor is to submit a certificate signed by the Merchant, stating that the galvanised roof covering supplied complies with the required thickness specified</i>			
	TILED ROOFING			
	Replace existing with "Everite Clifton" or other approved concrete roof tiles. to approved colours on and including 38 x 38mm sawn wood tiling battens at 320mm centres spiked to timber rafters.			
1	Roof coverings with pitch not exceeding 50° degrees.	m2	123	
2	Replace existing slate tiles in patches	m2	30	
3	120° Angeled and butt jointed ridge capping bedded and pointed in 1:3 colour tinted cement mortar on ridge or hip apex.	m	67	
4	90° Angled spigot & socket jointed verge capping tiles fixed with non-corrosive fixing accessories to sprocket ends.	m	8	
5	Extra on roof tiles for fair splay cut joint at hips and valleys.	m	122	
	Carried to Collection			R
	Section No. 2 Bill No. 6 Roofcovering RUBIQUANT QUANTITY SURVEYORS			

6	Extra on roof tiles for fixing two courses of exposed tiles at eaves with stromclips.	m	295
7	End of ridge tile filled in with 1:3 tinted cement mortar and finished fair.	No	4
PROFILED METAL SHEETING AND ACCESSORIES			
<u>Replace existing metal roof sheeting with Global Roofing Solutions or equal and approved @ 700.58mm thick 700mm cover Klip-Tite™ profile Z275spelter ISQ550 galvanised steel roof sheeting, fixed totimber intermediate purlins at 600mm centres andeaves and ridge purlins at 600mm centres usingKL700 clips fixed with 10No.16 x 16mm long selfdrilling wafer head PH2 screws. No. 3 drill pointfasteners. all in accordance with the manufacturer'sspecifications.</u>			
8	Roof covering with pitch not exceeding 25 degrees	m2	272
<u>0.58mm Global Roofing Solutions or equal and approved complete with ridge cappings, fixing brackets and polyclosers, with 10No.16 x 16mm long selfdrilling wafer head PH2 screws. No. 3 drill pointfasteners. all in accordance with the manufacturer'sspecifications.</u>			
9	Headwall flashing	m	24
10	Eave flashing	m	408
11	Side wall flashing 375mm girth	m	46
12	Cover flashing	m	70
<u>0.55mm Galvanized steel with 550Mpa yield strength to be fastened with 12 x 40mm timber fixing screw on each flange</u>			
13	50mm Purlins	m	116

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RUBIQUANT QUANTITY SURVEYORS

ROOF INSULATION

Sisalation 420' heavy industrial grade reinforced aluminium foil and polyethylene insulation or other approved

14 Insulation laid taut over purlins (at maximum 1000mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires

m2

97

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RUBIQUANT QUANTITY SURVEYORS

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Section No. 2

Bill No. 6

Roofcovering

COLLECTION

Total Brought Forward from Page No.

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No

71

72

73

Amount

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Section No. 2

Bill No. 6

Roofcovering

RUBIQUANT QUANTITY SURVEYORS

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Item
No

SECTION NUMBER 2

BILL NUMBER 7

CARPENTRY AND JOINERY

JBCC Work Group No. 126

SUPPLEMENTARY PREAMBLES

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ROOFS. ETC.

PRETREATMENT OF TIMBER

This service falls within the area defined in Government Gazette No 2577 of 1978-12-29 containing regulations for Treatment of Timber against insect pest affecting softwood fixed permanently in the building and tenderers are to make allowance in their rates for any additional expense in this regard.

THE FOLLOWING IN ROOF CONSTRUCTION TO REPLACE EXISTING

ROOF CONSTRUCTION

All trusses are to be manufactured by an approved specialist factory

Carried to Collection

Section No. 2
Bill No. 7
Carpentry and Joinery
RUBIQUANT QUANTITY SURVEYORS

Quantity	Rate	Amount
R		

R