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CONSTRUCTION OF MARITE POLICE STATION
SOUTH AFRICAN POLICE SERVICES
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		Brought Forward		R
77	Ablution facilities (B7.5) Option [A] shall apply F:..... V:..... T:..... <u>Prime cost amounts (B8)</u>		Item	
78	Responsibility for prime cost amounts (B8.1)F:..... V:..... T:..... <u>Attendance on N/S Subcontractors (B9)</u>		Item	
79	General attendance (B9.1)F:..... V:..... T:.....		Item	
80	Special attendance (B9.2)F:..... V:..... T:.....		Item	
81	Commissioning - Fuel, water and power (B9.3)F:..... V:..... T:..... <u>Financial aspects (B10)</u>		Item	
82	Statutory taxes, duties and levies (B10.1)F:..... V:..... T:.....		Item	
83	Payment of preliminaries (B10.2) Option [B] shall apply F:..... V:..... T:.....		Item	
84	Adjustment of preliminaries (B10.3) Option [A] shall apply F:..... V:..... T:.....		Item	
85	Payment certificate cash flow (B10.4)F:..... V:..... T:.....		Item	
		Carried Forward		R
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Brought Forward			R
General (B11)			
86	Protection of works (B11.1)F:..... V:..... T:.....	Item	
87	Protection/isolation of existing/sectionally occupied works (B11.2)F:..... V:..... T:.....	N/A	
88	Security of the Works (B11.3) F:..... V:..... T:.....	Item	
89	Notice before covering work (B11.4)F:..... V:..... T:.....	Item	
90	Disturbance (B11.5) F:..... V:..... T:.....	Item	
91	Environmental Disturbance (B11.6) F:..... V:..... T:.....	Item	
92	Works cleaning and clearing (B11.7) F:..... V:..... T:.....	Item	
93	Vermin (B11.8) F:..... V:..... T:.....	Item	
94	Overhand work (B11.9) F:..... V:..... T:.....	Item	
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95	Instruction manuals and guarantees (B11.10) F:..... V:..... T:.....	Item
96	As built information (B11.11) F:..... V:..... T:.....	Item
97	Tenant Installations (B11.12) F:..... V:..... T:.....	Item
<u>Schedule of variables (B12)</u>		
98	Pre-tender information (B12.1)F:..... V:..... T:.....	Item
	12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional: <div style="text-align: right; margin-right: 50px;">No</div>	
	12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete <div style="text-align: right; margin-right: 50px;">No</div>	
	12.1.3 Interest of agents (B2.4)	
	12.1.4 Defined works area (B3.1)	
	12.1.5 Geotechnical investigation (B3.2)	
	N/A	
	12.1.6 Existing premises occupied (B3.4)	
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12.1.7	Previous work - dimensional accuracy (B3.4)	
12.1.8	Previous work - defects (B3.5)	
12.1.9	Services - known (B3.7)	
12.1.10	Protection of trees (B3.9) All trees should be protected and only on instruction of the Principal Agent may any trees be removed	
12.1.11	Inspection of adjoining properties (B3.11)	
12.1.12	Enclosure of the works (B6.2)	
12.1.13	Offices (B6.4.3) An office for the clerck of works should be provided	
12.1.14	Main notice board (B6.5) <i>No</i>	
12.1.15	Subcontractors notice board (B6.6) A notice board is required <i>No</i>	
12.1.16	Water (B7.2) Alternative Selected: A	
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12.1.17 Electricity (B7.3) Alternative selected: A			
12.1.18 Telecommunications (B7.4)			
12.1.19 Ablution facilities (B7.5) Alternative selected: A			
12.1.20 Protection of existing/sectionally occupied works (B11.2)			
12.1.21 Special attendance (B9.2) Subcontractor (1) details: N/A			
12.1.22 Protection of the works (B11.1) N/A			
12.1.23 Disturbance (B11.5) N/A			
12.1.24 Environmental Disturbance (B11.6) N/A			
<u>Post tender information (B12.2)</u>			
12.2.1 Payment of preliminaries Alternative selected: B			
12.2.2 Adjustment of preliminaries Alternative selected: A			
12.2.3 Additional agreed preliminaries items N/A			
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SECTION C: SPECIFIC PRELIMINARIES

Any special items to meet the particular circumstances of a specific project are embodied in this section. Where required for an aspect of the works to be executed according to a design by a consulting engineer, a recital of the headings to the individual clauses of the JBCC Principal Building Agreement are included

99 Black economic empowerment and training

F:..... V:.....
T:.....

Item

100 Proprietary branded products

F:..... V:.....
T:.....

Item

The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorised representative

101 Contract instructions

F:..... V:.....
T:.....

Item

Contract instructions issued on site are to be recorded in triplicate in a contract instruction book which is to be supplied and maintained on site by the contractor

102 Labour record

F:..... V:.....
T:.....

Item

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<p>103 Plant record</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and descriptions of tradesmen and labourers employed by him and all subcontractors on the works each day of that week</p> <p>F:..... V:..... T:.....</p>	Item	
<p>104 Guarantees</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools used on the works each day of that week</p> <p>F:..... V:..... T:.....</p> <p>Where guarantees are called for, the contractor shall obtain a written guarantee, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The guarantee shall state that workmanship, materials and installation are guaranteed for a specified period from the date of certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice from the principal agent to do so. This guarantee will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. The principal agent shall be the sole judge of the cause responsible for defects in the work and his decision shall be final and binding in terms of clause 40.2 of the agreement</p>	Item	
Carried Forward		R
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Brought Forward			R
105	<p>Overtime</p> <p>F:..... V:..... T:.....</p> <p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised, in writing, prior to execution thereof, that costs for such overtime are to be borne by the employer</p>	Item	
106	<p>Co-operation of contractor for cost management</p> <p>F:..... V:..... T:.....</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The quantity surveyor undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedures to be implemented and the contractor will attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures in regard to all subcontractors</p>	Item	
107	<p>Occupational Health and Safety Specification</p> <p>F:..... V:..... T:.....</p>	Item	
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	Brought Forward		R	
108	<p>Any Principal Contractor entering into a contract with The Developer must achieve an acceptable level of Occupational Health and Safety performance. Refer to "Project Specification" and "Safety, Health and Environmental Evaluation Questionnaire" The contractor to comply with all provisions of the above and to be enforced on all selected and or other sub-contractors, as no claim afterwards will be entertained</p> <p>Facilitation and establishment of Project Steering Committee including meeting allowances and logistical support F:..... V:..... T:.....</p>	Item		
	<p style="text-align: right;">Carried to Final Summary</p> <p>Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL Takgalang Consulting</p>		R	

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Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p>NOTE: The contractor is advised to study the "General Preambles for Trades 2017" before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.104 for CPAP formula purposes.</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be compacted fill material and below fill natural gravel, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"</p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material</p>			
<p style="text-align: right;">Carried Forward</p> <p>Section No. 2 BUILDING WORKS Bill No. 1 EARTHWORKS (PROVISIONAL) Takgalang Consulting</p>		R	

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<p><u>Testing</u></p> <p>Prices for filling are to include for all necessary density tests in accordance with SABS 1200D</p> <p><u>Subterranean water</u></p> <p>No information regarding subterranean water is available. The tenderer must acquaint himself of the presence and depth of subterranean water and allow therefore in his prices</p>		
<p><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></p> <p><u>Excavation in compacted imported fill not exceeding 1m deep below reduced level (reduced level not exceeding 2m below ground level)</u></p>		
1	Trenches	m3 146
<p><u>Extra over all excavations for carting away</u></p>		
2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3 146
<p><u>Risk of collapse of excavations</u></p>		
3	Sides of trenches and holes excavations not exceeding 1,5m deep	m2 976
<p><u>Keeping excavations free of water</u></p>		
4	Keeping excavations free of all water other than subterranean water	Item
<p><u>FILLING , ETC</u></p> <p><u>G5 filling supplied by the contractor compacted in 150mm layers to 95% Mod AASHTO density</u></p>		
5	Underfloors, Steps, Paving, etc.	m3 272
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<p>Section No. 2 BUILDING WORKS Bill No. 1 EARTHWORKS (PROVISIONAL) Takgalang Consulting</p>		



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<u>Coarse river sand filling supplied by the contractor</u>			
6	Under floors etc	m3	96
<u>SOIL POISONING</u>			
<u>Soil insecticide - Chlordane or Aldrin according to manufacturers specification, including 50mm sand cover over. Compliance certificate with 10 year quarentee to be provided</u>			
7	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	1,911
8	To bottoms and sides of trenches etc	m2	1,345
Carried Forward to Summary of Section No. 2			R
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	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p>NOTE: The contractor is advised to study the "General Preambles for Trades 2017" before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.110 for CPAP formula purposes.</p>			
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>"Foamcement" lightweight concrete</p> <p>"Foamcement" lightweight concrete is to have a density of 600kg/m³ for the top 50mm and 400kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm</p> <p>Concrete batching</p> <p>Unless otherwise agreed in writing by the Engineer all cement and aggregate shall be batched by weight using an acceptable concrete batching' plant. Details of the proposed type of batching plant must be submitted with the tender</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 2 BUILDING WORKS Bill No. 2 CONCRETE, FORMWORK AND REINFORCEMENT Takgalang Consulting</p>		R	

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Cost of tests

The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)

Formwork

Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.

Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described

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

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<u>LIGHTWEIGHT CONCRETE</u>			
<u>Lightweight concrete</u>			
1	Grading to slabs	m3	7
2	Finishing smooth top surface of grading to falls and currents for waterproofing including 1: 8 monolithic cement plaster screed as necessary	m2	149
<u>UNREINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
3	Steps, urinal steps, cupboard platforms, etc	m3	3
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
4	Foundation beams	m3	154
5	Surface beds on waterproofing	m3	280
6	In ramps	m3	19
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
7	Slabs including beams and inverted beams	m3	127
8	Walls	m3	14
9	Columns	m3	4
<u>TEST BLOCKS</u>			
10	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	313
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CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth with a wood float

11	Surface beds, slabs, etc	m2	332
12	Surface beds, slabs, etc to falls	m2	38

Finishing top surfaces of concrete smooth with a steel float

13	Surface beds, slabs, etc	m2	1,873
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Finishing top surfaces of concrete smooth with non-slip grooves

14	Ramps	m2	87
----	-------	----	----

FORMWORK

NOTE: All items in this section shall be deemed to fall into Work Group No.111 for CPAP formula purposes.

ROUGH FORMWORK (DEGREE OF ACCURACY II)

Smooth formwork to sides

15	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	435
16	Walls with total height not exceeding 3.5m above bearing level	m2	122
17	Rectangular columns with total height exceeding 3,5m and not exceeding 5m above bearing level	m2	74
18	Beams propped up exceeding 3,5m and not exceeding 5m above bearing level	m2	71

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<u>Rough formwork to soffits</u>			
19	Slabs propped up exceeding 1,5m and not exceeding 3,5m high	m2	481
20	Beams propped up exceeding 1,5m and not exceeding 3,5m high	m2	48
<u>SMOOTH FORMWORK</u>			
<u>Smooth formwork to circular columns</u>			
21	300mm Diameter column 3m high	No	1
<u>REINFORCEMENT (PROVISIONAL)</u>			
NOTE: All items in this section shall be deemed to fall into Work Group No.114 for CPAP formula purposes.			
<u>Mild steel reinforcement to structural concrete work</u>			
22	10mm Diameter bars	t	5.11
23	8mm Diameter bars	t	0.34
<u>High tensile steel reinforcement to structural concrete work</u>			
24	20mm Diameter bars	t	0.04
25	16mm Diameter bars	t	2.94
26	12mm Diameter bars	t	5.26
27	10mm Diameter bars	t	0.51
<u>High tensile steel reinforcement to brickwork</u>			
28	100x200x5mm Thick mesh built into walls between brickwork	m2	60
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<u>Fabric reinforcement</u>			
29	Type A193 fabric reinforcement in concrete surface beds, slabs, etc	m2	1,044
30	Type A245 fabric reinforcement in concrete surface beds, slabs, etc	m2	867
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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 3</u></p> <p><u>PRECAST CONCRETE</u></p> <p>NOTE: The contractor is advised to study the "General Preambles for Trades 2017" before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.112 for CPAP formula purposes.</p>			
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Sizes:</p> <p>Blocks, sills, etc measured linear shall be made in suitable lengths. Large size setting out drawings shall be prepared where necessary and submitted to the architect for approval before moulds are made</p> <p>General:</p> <p>Where kerbstones, blocks, etc are laid in ground descriptions shall be deemed to include necessary excavation, filling in and ramming</p>			
	<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 BUILDING WORKS Bill No. 3 PRECAST CONCRETE Takgalang Consulting</p>		R	

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COPINGS, CILLS, ETC

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

1	Modcon Concrete Solutions precast concrete pier cap (Type 033) or similar approved, size 220 x 220mm, bedded and jointed in Class II mortar and pointed on all exposed faces	No	34
2	Old world "Dripstone 270 'B' coping" or similar approved	m	7
3	Cut off spoon drain	m	27

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	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 4</u></p> <p><u>MASONRY</u></p> <p>NOTE: The contractor is advised to study the "General Preambles for Trades 2017" before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.118 for CPAP formula purposes.</p>			
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls. etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole</p>			
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Wall ties

Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the brickwork. Ties are to be spaced at intervals of not more than 1m in the horizontal direction and not more than 400mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other

Face bricks

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

Pointing

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

SUPERSTRUCTURE

Brickwork in NFP bricks (7MPa nominal compressive strength) in class II mortar with all joints grouted in solid with liquid cement mortar

1	Piers	m3	5
2	Half brick walls	m2	1,209
3	One brick walls	m2	3,124
4	One brick walls in beamfilling	m2	59
5	Two brick walls	m2	78

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<u>BRICKWORK SUNDRIES</u>			
<u>Air bricks etc</u>			
6	220 x 160 x 35mm Clay vermin proof air brick	No	65
<u>Steel bar reinforcement</u>			
7	8mm Diameter high tensile steel bars built in horizontally	t	16.10
<u>Brickwork reinforcement</u>			
8	75mm Wide reinforcement built in horizontally	m	4,107
9	150mm Wide reinforcement built in horizontally	m	14,206
<u>Prestressed fabricated lintels</u>			
10	100 x 70mm Lintels in lengths not exceeding 3m	m	201
11	100 x 70mm Lintels in lengths exceeding 6m and not exceeding 7,5m	m	13
<u>Turning pieces</u>			
12	90mm Wide turning piece to lintels etc	m	75
13	150mm Wide turning piece to lintels etc	m	36
<u>FACE BRICKWORK</u>			
<u>"Country Meadow Travertine FBS" or similar approved face bricks pointed with recessed horizontal and vertical joints</u>			
14	Extra over brickwork for face brickwork and pointing in stretcher bond	m2	2,265
15	One brick walls in stretcher bond pointed on both sides	m2	83
16	Extra over brickwork in beamfilling for face brickwork	m2	59
17	Extra over brickwork for brick-on-edge header course lintel	m	212
Carried Forward			R
Section No. 2 BUILDING WORKS Bill No. 4 MASONRY Takgalang Consulting			

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Brick-on-edge header course copings, sills, etc of
"Country Meadow Travertine FBS" or similar
approved face bricks pointed with recessed
horizontal and vertical joints

18	220mm Copings on top of one brick walls	m	19
19	150mm Wide sill set sloping and slightly projecting	m	136

Carried Forward to Summary of Section No. 2

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Item No	SECTION NO. 2	Quantity	Rate	Amount
	BILL NO. 5			
	WATERPROOFING			
	NOTE: The contractor is advised to study the "General Preambles for Trades 2017" before pricing this bill			
	NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.			
	NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.120 for CPAP formula purposes.			
	DAMP-PROOFING OF WALLS AND FLOORS			
	One layer of 375 micron black embossed polyethylene damp-proof course (SANS 952-1985 Type B)			
1	In walls	m2	194	
	One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"			
2	Under surface beds	m2	867	
3	Under ramps	m2	87	
	ABE Duraflex or similar approved acrylic emulsion waterproof coating and fabric waterproofing system strictly in accordance with the manufacturer's specification			
4	Vertical in walls (Showers)	m2	15	
	Carried Forward			R
	Section No. 2 BUILDING WORKS Bill No. 5 WATERPROOFING Takgalang Consulting			

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5	Horizontal under grano or tiles (Showers)	m2	1
6	Additional membrane at 38mm diameter outlet to showers	No	1
<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>			
<u>Supplementary preambles</u>			
Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs. Waterproofing is to be laid in accordance with manufacturers instructions. GUARANTEE: The Contractor shall furnish a 10 year waterproofing guarantee for all the roof waterproofing including flashings, outlets and other details installed.			
<u>One layer approved waterproofing membrane with 75mm side laps and 100mm end laps, sealed to primed surface to falls and crossfalls by 'torchfusion' installed by an approved contractor under guarantee and in accordance with the manufacturer's recommendations</u>			
7	On flat roofs	m2	149
8	Flashing strip 150mm girth at turn-up including sealing top edge into groove (groove elsewhere) with mastic	m	207
<u>Two layer waterproofing membrane sealed by means of suitable adhesive with 75mm side laps and 100mm end laps, laid under a ten year guarantee, to receive paint or stone protection (elsewhere)</u>			
9	Sealing edges to brickwork or concrete	m	602
<u>PROTECTIVE STONE DRESSING</u>			
<u>19-25mm Crushed stone evenly spread</u>			
10	50mm Thick on waterproofing to flat roofs	m2	149
Carried Forward			R
Section No. 2 BUILDING WORKS Bill No. 5 WATERPROOFING Takgalang Consulting			

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PROTECTIVE ROOFING PAINT

Two coats bituminous aluminium paint

11

On waterproofing to roofs

m2

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Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p>			
<p><u>BILL NO. 6</u></p>			
<p><u>ROOF COVERINGS ETC</u></p>			
<p>NOTE: The contractor is advised to study the "General Preambles for Trades 2017" before pricing this bill</p>			
<p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p>			
<p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.122 for CPAP formula purposes.</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Straight cutting</u></p>			
<p>Descriptions of all roof coverings are deemed to include for all straight cutting</p>			
<p><u>Guarantee</u></p>			
<p>The contractor must issue the client with a five year guarantee of site workmanship and water tightness from the manufacturer on completion</p>			
<p>Carried Forward</p>			
<p>Section No. 2 BUILDING WORKS Bill No. 6 ROOF COVERING, ETC Takgalang Consulting</p>			
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<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>0,53mm "African Charcoal CLEAN COLORBOND™" or similar approved interlocking roof covering, fixed to steel purlins at 1728mm centres and end-span purlins at 1536mm centres (final spacing to be calculated by an engineer) using clips secured to purlins with approved wafer head self-tapping fasteners with roof insulation, all in accordance with the manufacturer's recommendations. • Installation region: inland • Atmospheric corrosion category: C3</u>			
1	Roof covering with pitch not exceeding 25 degrees with Comproband sealant at all laps	m2	1,068
2	Ridge cappings 660mm girth	m	8
3	Side wall flashing 660mm girth two times bent along girth	m	11
4	Counter flashing 185mm girth	m	11
<u>0,53mm "African Charcoal CLEAN COLORBOND™" or similar approved interlocking roof covering, fixed to timber purlins at 1728mm centres and end-span purlins at 1536mm centres (final spacing to be calculated by an engineer) using clips secured to purlins with approved wafer head self-tapping fasteners with roof insulation, all in accordance with the manufacturer's recommendations. • Installation region: inland • Atmospheric corrosion category: C3</u>			
5	Roof covering with pitch not exceeding 25 degrees with Comproband sealant at all laps	m2	850
6	Side wall flashing 660mm girth two times bent along girth	m	52
7	Counter flashing 185mm girth	m	45
Carried Forward			R
Section No. 2 BUILDING WORKS Bill No. 6 ROOF COVERING, ETC Takgalang Consulting			

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ROOF AND WALL INSULATION

Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4

8 Insulation laid taut over purlins and fixed concurrent with roof covering including galvanised straining wires all in strict accordance with manufacturers specifications m2 1,918

90mm laminated Polyisocyanurate core board with White mineral facing on one side, laminated both sides, butt jointed and fastened to the slab using nylon anchors as per manufacturer's instruction. Application: On top of waterproofing with ballast overlay, R-value: 3.75m².K/W, Core density: 34kg/m³.

9 On roof slabs m2 149

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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 7</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p>NOTE: The contractor is advised to study the "General Preambles for Trades 2017" before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.126 for CPAP formula purposes.</p>			
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Particle board</u></p> <p>Particle board shall comply with the following specifications:</p> <p>a) SABS 1300 Particle board: exterior and flooring type</p> <p>b) SABS 1301 Particle board: interior type</p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc</p> <p><u>Joinery</u></p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p>			
	<p>Carried Forward</p>		R	
	<p>Section No. 2 BUILDING WORKS Bill No. 7 CARPENTRY AND JOINERY Takgalang Consulting</p>			

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<p style="text-align: center;">Brought Forward</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p>		R	
<p><u>ROOFS ETC</u></p> <p><u>Prefabricated timber roof trusses</u></p> <p>The following is applicable in respect of roof trusses:</p>			
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 BUILDING WORKS Bill No. 7 CARPENTRY AND JOINERY Takgalang Consulting</p>		R	

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Brought Forward			R
<p>Prefabricated trusses shall be manufactured in accordance with the relevant requirements of SANS 10400 and SANS 10243</p> <p>Trusses shall be transported singly or banded together in bundles. When banding is used, care shall be taken to avoid damage by badly positioned or excessively tight banding. Undue sagging or flexing of single units or bundles shall be avoided and particular care shall be taken, when using mechanical handling equipment, to avoid damage by impact or rough handling.</p> <p>Timber roof structure shall be fully designed, constructed of South African pine and certified on completion by a firm of Specialist Timber Roof Designers and Manufacturers</p> <p>The Tenderers are referred to the Architect's roof plan annexed to these bills of quantities/accompanying these bills of quantities for tender purposes</p> <p>The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the Architect and/or the site before design or fabrication commences</p> <p>Prices shall include designs and certification on completion. The designs shall be availed to the Structural Engineer on award of the contract</p>			
1	<p>Fully designed timber roof structure complete with trusses, jack rafters, permanent bracing and purlins/battens as necessary all in accordance with the Architect's roof plan including provision of an Engineer's Approval Certificate on completion (area measured on plan over the roof line as per the Architect's drawings)</p>	m2	850
<u>Sawn softwood</u>			
2	38 x 114mm Wall plates	m	751
<u>Sundries</u>			
3	Wrought faces on sawn timbers	m2	177
Carried Forward			R
<p>Section No. 2 BUILDING WORKS Bill No. 7 CARPENTRY AND JOINERY Takgalang Consulting</p>			

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Brought Forward			R
<u>EAVES, VERGES, ETC</u>			
<u>High density plain ungrooved fascia boards, fixed to 38 x 38mm tiler batten and 38 x 38mm support battens between rafters twice screwed with 12 x 40mm countersunk brass screws at 900mm centres to support battens with aluminium fascia joiner between boards and at board ends</u>			
4	225 x 15mm Fascias and barge boards	m	586
<u>DOORS ETC</u>			
<u>FRAMED FRAMES ETC</u>			
<u>Wrought meranti</u>			
5	44 x 106mm Frames plugged	m	5
<u>Wrought meranti solid horizontally slatted double sided doors</u>			
6	44mm Single door 813 x 2032mm high	No	1
<u>Custom made semi-solid timber door including frame, all to Architectural specifications</u>			
7	40mm Double door 1250 x 1400mm high (SRD01)	No	2
<u>Solid timber doors hung to steel frames</u>			
8	40mm Door 762 x 2032mm high	No	4
9	40mm Door 813 x 2032mm high	No	94
10	40mm Double door 1600 x 2032mm high	No	1
<u>Timber sliding rail hung doors to architect's specification</u>			
11	40mm Door 813 x 2040mm high (DSD01)	No	1
Carried Forward			R
Section No. 2 BUILDING WORKS Bill No. 7 CARPENTRY AND JOINERY Takgalang Consulting			

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	Brought Forward		R
	<p><u>JOINERY FITTINGS</u></p> <p><u>General</u></p> <p><u>The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc. All joinery must be completed after the Architect's approval of samples</u></p> <p><u>NOTE : All as per Architect's drawings</u></p> <p><u>NOTE: All joinery units to be priced complete including carcasses, ironmongery, side-, back panels, tops etc</u></p>		
	<p><u>THE FOLLOWING IN FRONT HELP DESK</u></p> <p><u>Rustenburg Grey or similar approved</u></p>		
12	<p>900 x 32mm Polished granite with 70mm edges, fixed to and including 40 x 40 x 3mm steel angle irons. See section S-S and R-R and front help desk detail on drawing A013-5-8</p>	m	6
	<p><u>Melamine or similar approved</u></p>		
13	<p>16mm White Melamine shelves (two shelves high) fixed to walls with exposed edges to be finished with 3mm high impact edging on and including 85mm high 16mm melamine footing fixed to floor. See section S-S on drawing A013-5-8</p>	m	3
	Carried Forward		R
	<p>Section No. 2 BUILDING WORKS Bill No. 7 CARPENTRY AND JOINERY Takgalang Consulting</p>		

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R

THE FOLLOWING IN WORK AREA COUNTER

Rustenburg Grey or similar approved

14 600 x 32mm Polished granite with 70mm down turn edges, fixed to and including 40 x 40 x 3mm steel angle irons. See section R-R and front help desk detail on drawing A013-5-8

m

14

THE FOLLOWING IN KITCHEN CUPBOARDS

Kitchen cupboard for Single quarters kitchen

15 2750 x 900mm High overall kitchen cupboard consisting of: 2750 x 900 x 32mm thick polished "Rustenburg Grey" granite counter top with 1200 x 530mm opening for sink; two 900 x 768mm high cabinets where each consists of of two 16mm white melamine shelves, side and bottom panels with 3mm thick high impact edging, two 16mm white melamine cabinet doors with 3mm thick high impact edging with 2x consealed hinges per door leaf, 180mm brushed stainless steel handles, two 50 x 16mm white melamine bottom panels, 16 x 100mm high white melamine footings; one 450 x 768mm high cabinet which consists of two 16mm white melamine shelves, side and bottom panels with 3mm thick high impact edging, one 16mm white melamine cabinet doors with 3mm thick high impact edging with 2x consealed hinges per door leaf, 180mm brushed stainless steel handles, two 50 x 16mm white melamine bottom panels, 16 x 100mm high white melamine footings; one set of drawers consisting of 16mm white melamine side and bottom panels with 3mm thick high impact edging, four 16mm white melamine drawers with 10mm rounded epoxy coated heavy duty track with nylon rollers, 180mm brushed stainless steel handles, 50 x 16mm white melamine supports and 16 x 100mm high white melamine footing. See section N-N and M-M and detail on drawing A013-5-10

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Kitchen cupboard for Married Quarters kitchen

16

2300 x 900mm High overall kitchen cupboard consisting of: 2300 x 900 x 32mm thick polished "Rustenburg Grey" granite counter top with 1200 x 530mm opening for sink; two 900 x 768mm high cabinets where each consists of of two 16mm white melamine shelves, side and bottom panels with 3mm thick high impact edging, two 16mm white melamine cabinet doors with 3mm thick high impact edging with 2x consealed hinges per door leaf, 180mm brushed stainless steel handles, two 50 x 16mm white melamine bottom panels, 16 x 100mm high white melamine footings; one set of drawers consisting of 16mm white melamine side and bottom panels with 3mm thick high impact edging, four 16mm white melamine drawers with 10mm rounded epoxy coated heavy duty track with nylon rollers, 180mm brushed stainless steel handles, 50 x 16mm white melamine supports and 16 x 100mm high white melamine footing. See section N-N and M-M and detail on drawing A013-5-10

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Kitchen cupboard for Cell block kitchen

17 2750 x 900mm High overall kitchen cupboard consisting of: 2750 x 900 x 32mm thick polished "Rustenburg Grey" granite counter top with 1200 x 530mm opening for sink; two 900 x 768mm high cabinets where each consists of of two 16mm white melamine shelves, side and bottom panels with 3mm thick high impact edging, two 16mm white melamine cabinet doors with 3mm thick high impact edging with 2x consealed hinges per door leaf, 180mm brushed stainless steel handles, two 50 x 16mm white melamine bottom panels, 16 x 100mm high white melamine footings; one 450 x 768mm high cabinet which consists of two 16mm white melamine shelves, side and bottom panels with 3mm thick high impact edging, one 16mm white melamine cabinet doors with 3mm thick high impact edging with 2x consealed hinges per door leaf, 180mm brushed stainless steel handles, two 50 x 16mm white melamine bottom panels, 16 x 100mm high white melamine footings; one set of drawers consisting of 16mm white melamine side and bottom panels with 3mm thick high impact edging, four 16mm white melamine drawers with 10mm rounded epoxy coated heavy duty track with nylon rollers, 180mm brushed stainless steel handles, 50 x 16mm white melamine supports and 16 x 100mm high white melamine footing. See section N-N and M-M and detail on drawing A013-5-10

Item

THE FOLLOWING IN BENCHES

Meranti or similar approved benches

18 400mm Deep Meranti slatted bench consisting of three 110 x 50mm meranti strips fixed to and including 40 x 40 x 2mm square tubing black powder coated frame fixed to wall with expansion bolts and consisting of 150 x 32mm meranti section backrest screwed to 140 x 30(20) x 32mm meranti support. See detail section T-T on drawing A013-5-6

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Brought Forward		R
<u>THE FOLLOWING IN COUNTER TOPS</u>		
<u>Rustenburg Grey or similar approved</u>		
19	900 x 32mm Polished granite with 70mm edges, fixed to and including 40 x 40 x 3mm steel angle irons (DPO admin) See section Q-Q DPO admin detail on drawing A013-5-8	m 9
20	1200 x 32mm Polished granite with 70mm edges, fixed to and including 40 x 40 x 3mm steel angle irons (Clerk / lobby) Similar to section Q-Q and clerk/lobby detail on drawing A013-5-8 and A013-5-9	m 9
21	600 x 32mm Polished granite top with 70mm downturn edges fixed to and including 40 x 40 x 3mm steel angle iron and 30 x 30 x 3mm black powder coated steel square tubing frame (CAS terminal) See section O-O and CAS terminal detail on drawing A013-5-9	m 8
<u>THE FOLLOWING IN SHELVING</u>		
<u>Shotgun Racks</u>		
22	R1 and shotgun racks 1768 x 2500mm high overall consisting of two shelves including 104 x 25mm hardwood front rail, hardwood butt support, 25 x 293mm softwood wedge at 10 degree angle, 32 x 70mm hardwood wall bracket, 152 x 38mm hardwood barrel support, 32 x 32mm hardwood brackets screwed to side rails, hardwood fillerpiece, soft wood bracing etc. See detail 1 on drawing A013-5-2	No 30
<u>Pistol Rack</u>		
23	Pistol racks 934 x 1354mm high overall consisting of three shelves including 30 x 19mm hardwood backrail, 104 x 19mm hardwood front rail, 240 x 6mm hardwood dividers, 240 x 20mm chipboard shelf, 104 x 19mm hardwood side rail, 3mm mild steel flange, 40 x 40 x 5mm angle iron supports built into walls with split and splayed ends, rubber lining etc. See detail 2 & 3 on drawing A013-5-2	No 60
Carried Forward		R
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Brought Forward			R
Shelving			
24	391mm x 2009mm High overall and four shelves high archive shelving against wall consisting of mild steel frame made from 38 x 38 x 2.5mm square tubing bolted to walls and floors and 16mm supawood trays fixed to steel frame. See section V-V on drawing A013-5-5	m	6
25	782mm x 2009mm High overall and four shelves high archive shelving consisting of two 391mm deep back to back shelving consisting of mild steel frame made from 38 x 38 x 2.5mm square tubing bolted to walls and floors and 16mm supawood trays fixed to steel frame. See section U-U on drawing A013-5-5	m	7
26	Shelving consisting of five 350 x 22mm thick supawood top fixed to and including 250 x 250mm mild steel shelf bracket with 20mm x No.6 self-tapping countersink woodscrews, fixed against 50 x 25mm thick hardwood beam with 20 x No.6 self-tapping screws. See section Z-Z on drawing A013-5-1	m	21
27	Shelving consisting of five 450 x 22mm thick supawood top fixed to and including 350 x 400mm mild steel shelf bracket with 20mm x No.6 self-tapping countersink woodscrews, fixed against 50 x 25mm thick hardwood beam with 20 x No.6 self-tapping screws. See detail on drawing A013-5-3	m	25
28	750mm x 1610mm Long admittance bench complete. (Basin elsewhere) See detail drawing A013-5-11	No	6
29	600mm x 4115mm Long admittance bench complete. (Cuff rail elsewhere) See detail drawing A013-5-11	No	10
30	750mm x 6069mm Long admission counter complete, including security screen, sundry metalwork etc. See detail drawing A013-5-11	No	7
31	Meranti or supawood storage shelves for the pantry. 1500x650x1800 mm (LxWxH)	No	2
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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 8</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p>NOTE: The contractor is advised to study the "General Preambles for Trades 2017" before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.129 for CPAP formula purposes.</p>			
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p>Ceilings shall be deemed to be horizontal unless otherwise described</p>			
	<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 BUILDING WORKS Bill No. 8 CEILINGS, PARTITIONS AND ACCESS FLOORING Takgalang Consulting</p>		R	

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Brought Forward				R
<u>CEILING TIMBERS, BEADS, INSULATION, ETC</u>				
<u>Flexible non-combustible glass mineral wool thermal insulation complying with SANS 1381-1:2007 and SANS 428:2012</u>				
1	100mm Insulation in blanket laid over ceiling joists or brandering in accordance with manufacturer's recommendations	m2	1,046	
<u>NAILED UP CEILINGS</u>				
<u>4mm Plain ceiling boards, manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, fixed to 38 x 38mm battens at 450mm centres using 32 x 2.5mm serrated ceiling nails at 150mm centres, minimum of 12mm from edge of board. All joints to be covered using H profile white PVC jointing strips, all in accordance with the manufacturer's recommendations</u>				
2	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres in one direction with cover strips over joints with all nail or screw heads stopped and sanded level when dry	m2	185	
3	Extra over ceiling for 600 x 600mm trap door including frame with ceiling board and fitted flush in opening	No	3	
<u>12mm Plasterboard with staggered and skimmed joints and fixed to steel brandering using 25mm drywall screws at maximum 150mm centres. Fibatape to all joints all in strict accordance with manufacturer's specification & requirements</u>				
4	Ceilings including 38 x 50mm sawn softwood brandering at 400mm centres in one direction with cover strips over joints with all nail or screw heads stopped and sanded level when dry	m2	70	
5	Extra over ceiling for 600 x 600mm trap door including frame with ceiling board and fitted flush in opening	No	2	
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Section No. 2 BUILDING WORKS Bill No. 8 CEILINGS, PARTITIONS AND ACCESS FLOORING Takgalang Consulting				

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	Brought Forward			R
	<p><u>Moulded polystyrene cornice fixed using a Utility adhesive, all in accordance with the manufacturer's recommendations</u></p>			
6	50 x 50mm Cornices	m	377	
	<p><u>SUSPENDED CEILINGS</u></p> <p>Note: Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary suspended ceilings</u></p> <p>Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations</p>			
	<p><u>600 x 600 x 9mm Gypsum ceiling panels face-covered with Fissured embossed vinyl laid on fire rated S3 exposed demountable butt-cut suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm all installed to manufacturer's instructions</u></p>			
7	Ceilings suspended not exceeding 1m below timber steel purlins	m2	273	
	Carried Forward			R
	<p>Section No. 2 BUILDING WORKS Bill No. 8 CEILINGS, PARTITIONS AND ACCESS FLOORING Takgalang Consulting</p>			

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Brought Forward				R
	<p><u>1200 x 1200 x 12.5mm Pre-painted acoustic panels (ISO 9001 & 14001 certification) fixed to cross tee (locally manufactured recycled content ISO 9001 & 14001 certification) using sharp-point screws 25mm at maximum 150mm centres, main tee installed at 1200mm centres and suspended using galvanised angle 25mm x 25mm hangers at 1200mm centres, cross Tee at 600mm centres, hanger to be maximum 400mm from perimeter wall. Apply rhino tape to all joints, cover rhino tape with 2 coats of "RhinoGlide" or similar approved (locally manufactured). Install corner bead to all external corners and plaster Trim 12.5mm (locally manufactured) to the wall using fixings at 300mm centres all in accordance with the manufacturer's detail and specification</u></p>			
8	Ceilings suspended not exceeding 1m below timber steel purlins	m2	518.0	
	<u>Cornices to suspended ceilings</u>			
9	Gypsum recessed shadowline W-trim cornice, plugged and screwed at 200mm centres to brickwork or concrete	m	260	
<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 BUILDING WORKS Bill No. 8 CEILINGS, PARTITIONS AND ACCESS FLOORING Takgalang Consulting</p>				R

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Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 9</u></p> <p><u>IRONMONGERY</u></p> <p>NOTE: The contractor is advised to study the "General Preambles for Trades 2017" before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No.132 for CPAP formula purposes.</p>			
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p> <p>BS - Satin bronze lacquered CH Chromium plated SC - Satin chromium plated SE - Silver enamelled GE - Grey enamelled AS - Anodised silver AB - Anodised bronze AG - Anodised gold ABL - Anodised black PB - Polished brass PL - Polished and lacquered PT - Epoxy coated SD - Sanded</p>			
	<p><u>HINGES, BOLTS, ETC</u></p>			
	<p>Carried Forward</p>		R	
	<p>Section No. 2 BUILDING WORKS Bill No. 9 IRONMONGERY Takgalang Consulting</p>			

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Brought Forward			R
<u>"Dormakaba or similar approved"</u>			
1	"DBB-SS-009" 102 x 75 x 3mm SS two ball bearing butt hinges	Pairs	9.0
2	"FBMF" Flushbolt	No	20
3	"HFADS" Hinges and flush bolts by aluminium door supplier	No	2
4	"HBDFM" Hinges and flush bolts by aluminium door supplier	Sets	84.0
5	"DFB-SC-180" 153mm Manual flush bolt with heel	No	1
6	"DFB-SC-181" 305mm Manual flush bolt with heel	No	1
7	"DPS-SS-032" Dust proof strike	No	14
8	"BHD 150" Heavy duty barrel bolt 150 x 32mm	No	2
9	"NBHD 150" Heavy duty necked bolt 150 x 32mm	No	2
10	"BTS75 SAA-NHO" Adjustable size single action floor spring for 120kg door leaf weight with adjustable closing and latching speeds	No	20
11	"DWC-005" Bathroom WC indicator (Red and White) and turnknob	No	20
12	"DWC-006" Disabled WC indicator (Red & White) and turnknob for physically impaired	No	2
<u>CATCHES, CABIN HOOKS, ETC</u>			
<u>"Dormakaba or similar approved"</u>			
13	"DHC-SS-031B" Hat and Coat Hook with rubber buffer	No	6
14	"CH 150" 150mm Satin chrome cabin hook	No	3
<u>LOCKS</u>			
Carried Forward			R
Section No. 2 BUILDING WORKS Bill No. 9 IRONMONGERY Takgalang Consulting			

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Brought Forward			R
<u>"Dormakaba or similar approved"</u>			
15	"D02735 SS" Narrow stile dead lock	No	12
16	"D032D SS" Bathroom deadlock	No	2
17	"D037D SS" Cylinder deadlock	No	7
18	"D02835 SS" Narrow stile roller dead lock	No	1
19	"D036S SS" Cylinder sash Lock	No	101
20	"DBC006501" 65mm Euro-profile bathroom/privacy Cylinder	No	24
21	"DSC204101 GMK" 40.5mm Euro-profile Nickel Plated E-SP 5 pin single cylinder lockset grand master keyed	No	7
22	"DKC206301 GMK" 63mm Euro-profile Nickel Plated E-SP 5 pin knob cylinder lockset grand master keyed	No	13
23	"DDC206301 GMK" 63mm Euro-profile Nickel Plated E-SP 5 pin knob cylinder lockset grand master keyed	No	98
24	"DPL2000 GMK" 45mm E-SP Chrome padlock with 8mm SS shackle 30mm clearance grand master keyed	No	1
25	"DCE-002 S.S" Round cylinder escutcheon	Pairs	6.0
26	"DCE-105 S.S" Narrow stile cylinder escutcheon	Pairs	13.0
27	"D038R NP" Rebate conversion set	No	3
<u>HANDLES</u>			
<u>"Dormakaba or similar approved"</u>			
28	"CB30 Cyl S.C" Lever handle on plate with cylinder cut-out	Sets	101.0
29	"DRP-SS-023" 62 x 44mm Ring flush pull handle	No	9
Carried Forward			R
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Brought Forward			R
30	"DFP-SS-026" 102 x 50mm Rectangular flush pull handle	No	2
31	"DPH215 BTB" 382 x 32mm D-shaped offset tubular pull handle	Pairs	23.0
32	"DPH301B" 325 x 25mm Straight tubular pull handle flange fixing	No	4
33	"DHP-430-CR-SF" Pull handle fixed on a 150 x 300 x 1.2mm thick Grade 430 SS plate with cylinder cut-out right. SS plate to have 6 countersunk holes for screw fixing	No	6
34	"DHP-430-BL-SF" Pull handle fixed on a 150 x 300 x 1.2mm thick Grade 430 SS plate with cylinder cut-out right. SS plate to have 6 countersunk holes for screw fixing	No	6
35	"DHP-430-BL-SF" Pull handle fixed on a 75 x 170 x 1.2mm thick Grade 430 SS plate with no cylinder cut-out right. SS plate to have 6 countersunk holes for screw fixing	No	6
36	"DHP-430-CL-SF" Pull Handle BT fixed on a 150 x 300 x 1.2mm thick Grade 430 SS plate with cylinder cut-out left. SS plate to have 6 countersunk holes for screw fixing	No	3
<u>PUSH PLATES AND KICKING PLATES</u>			
<u>"Dormakaba or similar approved"</u>			
37	"DPP-430-BL-SF" 75 x 170 x 1.2mm thick Grade 430 SS plate. SS plate to have 4 countersunk holes for screw fixing	No	6
38	"DPP-430-BL-SF" 150 x 300 x 1.2mm thick Grade 430 SS plate. SS plate to have 6 countersunk holes for screw fixing	No	6
39	"DPP-430-CL-SF" 150 x 300 x 1.2mm thick Grade 430 SS plate with cylinder cut-out left. SS plate to have 6 countersunk holes for screw fixing	No	4
Carried Forward			R
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Brought Forward			R
40	"DPP-430-CR-SF" 150 x 300 x 1.2mm thick Grade 430 SS plate with cylinder cut-out right. SS Plate to have 6 countersunk holes for screw fixing	No	4
41	"DKP-430-SF" 200 x 1.2mm thick Grade 430 SS kick plate. SS kick plate to have 10 countersunk holes for screw fixing	No	20
<u>DOOR CLOSERS</u>			
<u>"Dormakaba or similar approved"</u>			
42	"TS90 - SL" Cam action door closer with standard slide channel arm, hydraulic speed control and back check, standard pull side fixing, transom push-side fixing	No	11
43	"TS73V DC PA SL" Rack and pinion door closer with standard scissor arm and parallel arm bracket, hydraulic speed control and back check and delayed action, standard push side fixing	No	2
Carried Forward			R
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Brought Forward			R
<u>LETTERS, NAMEPLATES, ETC</u>			
<u>"Dormakaba or similar approved"</u>			
44	"DSS-130 M" 150 x 150mm Male symbol	No	3
45	"DSS-131 F" 150 x 150mm Female symbol	No	3
46	"DSS-133 P" 150 x 150mm Paraplegic symbol	No	2
47	"DSS-136 EL" 150 x 150mm Electrical symbol	No	2
48	"DSS-138 C" 150 x 150mm Cleaner symbol	No	1
<u>Door number sign size 90 x 30mm high of 3mm thick perspex or aluminium with engraving. 20mm high Arial black vinyl text numerals and letters on white background screwed to metal door frame with 15mm countersunk raised head chromium plated screws</u>			
49	Sign with three letters or numerals	No	48
<u>Door room name signs to be clear anodised aluminium sign holder extrusion (clear cover - glossy/non glare) with grey plastic end caps, as per Vista System by E.G. Maud or similar and approved, including 23mm Arial black vinyl text numerals or letters on silver/grey background digitally printed and cut, plugged to wall or screwed to door with 15mm countersunk raised head chromium plated screws at each corner all as per manufacturer's instructions.</u>			
50	400 x 80mm Sign fixed to door (S12)	No	60
Carried Forward			R
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