

**CONTRACT NO.1H-31918
CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT**

**Item
No**

Qty

Rate

Amount

BILL NO. 1 PRELIMINARIES

PREAMBLES FOR TRADES

The General Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from the brevity of description of items fully described in the said General Preambles will be entertained

Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles

The contractor's price for all items throughout these bills of quantities must take into account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications

Standard of Materials

All materials must comply with the requirements of the NHBRC (National Home Builders Registration Council).

In the absence of detailed specifications for any item or items, the National Building Regulations, the latest applicable South African Bureau of Standards Specification, or where such does not exist, then the latest applicable British Standard Specification shall apply.

Carried to Collection

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Bill No. 1
Preliminaries
PHASE 2A-S

**CONTRACT NO.1H-31918
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<p><u>PRELIMINARIES</u></p> <p>Where explanations or comments are reflected in these Preliminaries, same are to be read as supplementing as opposed to varying the provisions of the relevant clauses</p> <p><u>SECTION A: PRINCIPAL BUILDING AGREEMENT - JBCC Series</u></p> <p>NOTES</p> <p>The JBCC Principal Building Agreement (Edition 6.2 - July 2018) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities</p> <p>Contractor's are referred to the abovementioned documents for the full intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only Where standard clauses or alternatives are not entirely applicable to this contract, such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p>			
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<u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u>				
<u>Interpretation (A1-A7)</u>				
1	Clause 1.0 - Definitions and interpretation	Item		
2	Clause 2.0 - Law, regulations and notices	Item		
3	Clause 3.0 - Offer and acceptance	Item		
4	Clause 4.0 - Cession and assignment	Item		
5	Clause 5.0 - Documents	Item		
6	Clause 6.0 - Employer's agents	Item		
7	Clause 7.0 - Design responsibility	Item		
<u>Insurance and security (A8-A11)</u>				
8	Clause 8.0 - Works risk	Item		
9	Clause 9.0 - Indemnities	Item		
10	Clause 10.0 - Insurances	Item		
11	Clause 11.0 - Securities	Item		
<u>Execution (A12 - A17)</u>				
12	Clause 12.0 - Obligations of the parties	Item		
13	Clause 13.0 - Setting out	Item		
14	Clause 14.0 - Nominated subcontractors	Item		
15	Clause 15.0 - Selected subcontractors	Item		
16	Clause 16.0 - Direct contractors			
	Attendance on direct contractors	Item		
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17	Clause 17.0 - Contract instructions	Item		
	<u>Completion (A18 - A24)</u>			
18	Clause 18.0 - Interim completion	Item		
19	Clause 19.0 - Practical completion	Item		
20	Clause 20.0 - Completion in sections	Item		
21	Clause 21.0 - Defects liability period and final completion	Item		
22	Clause 22.0 - Latent defects liability period	Item		
23	Clause 23.0 - Revision of date for practical completion	Item		
24	Clause 24.0 - Penalty for late or non-completion	Item		
	<u>Payment (A25 - A27)</u>			
25	Clause 25.0 - Payment	Item		
26	Clause 26.0 - Adjustment of the contract value and final account	Item		
27	Clause 27.0 - Recovery of expense and/or loss	Item		
	<u>Suspension and termination (A28 - A29)</u>			
28	Clause 28.0 - Suspension by the contractor	Item		
29	Clause 29.0 - Termination by employer	Item		
	<u>Dispute resolution (A30)</u>			
30	Clause 30.0 - Dispute resolution	Item		
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	<u>SECTION B: PRELIMINARIES</u>			
	<u>Interpretation (B1)</u>			
31	Clause 1.1 - Definitions	Item		
32	Clause 1.2 - Interpretation	Item		
	<u>Documents (B2)</u>			
33	Clause 2.1 - Checking of documents	Item		
34	Clause 2.2 - Provisional bills of quantities	Item		
35	Clause 2.3 - Availability of construction information	Item		
36	Clause 2.4 - Ordering of materials and goods	Item		
	<u>Previous work and adjoining properties (B3)</u>			
37	Clause 3.1 - Previous work - dimensional accuracy	Item		
38	Clause 3.2 - Previous work - defects	Item		
39	Clause 3.3 - Inspection of adjoining properties	Item		
	<u>The site (B4)</u>			
40	Clause 4.1 - Handover of site in stages	Item		
41	Clause 4.2 - Enclosure of the works	Item		
42	Clause 4.3 - Geotechnical and other investigations	Item		
43	Clause 4.4 - Encroachments	Item		
44	Clause 4.5 - Existing premises occupied	Item		
45	Clause 4.6 - Services - known	Item		
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	<u>Management of contract (B5)</u>			
46	Clause 5.1 - Management of the works	Item		
47	Clause 5.2 - Progress meetings	Item		
48	Clause 5.3 - Technical meetings	Item		
	<u>Samples, shop drawings and manufacturer's instructions (B6)</u>			
49	Clause 6.1 - Samples of materials	Item		
50	Clause 6.2 - Workmanship samples	Item		
51	Clause 6.3 - Shop drawings	Item		
52	Clause 6.4 - Compliance with manufacturer's instructions	Item		
	<u>Deposits and fees (B7)</u>			
53	Clause 7.1 - Deposits and fees	Item		
	<u>Temporary services (B8)</u>			
54	Clause 8.1 - Water	Item		
55	Clause 8.2 - Electricity	Item		
56	Clause 8.3 - Ablution and welfare facilities	Item		
57	Clause 8.4 - Communication facilities	Item		
	<u>Prime cost amounts (B9)</u>			
58	Clause 9.1 - Responsibility for prime cost amounts	Item		
	<u>Attendance on subcontractors (B10)</u>			
59	Clause 10.1 - General attendance	Item		
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Item No		Qty	Rate	Amount
60	Clause 10.2 - Special attendance	Item		
	<u>General (B11)</u>			
61	Clause 11.1 - Protection of the works	Item		
62	Clause 11.2 - Protection/isolation of existing works and works occupied in sections	Item		
63	Clause 11.3 - Security of the works	Item		
64	Clause 11.4 - Notice before covering work	Item		
65	Clause 11.5 - Disturbance	Item		
66	Clause 11.6 - Environmental disturbance	Item		
67	Clause 11.7 - Works cleaning and clearing	Item		
68	Clause 11.8 - Vermin	Item		
69	Clause 11.9 - Overhand work	Item		
70	Clause 11.10 - Tenant installations by direct contractors	Item		
71	Clause 11.11 - Advertising	Item		
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
72	Standard Conditions of Tender	Item		
73	Additional Conditions of Tender	Item		
74	Standard Conditions of Contract	Item		
75	Contract Data Schedule	Item		
76	Additional Conditions of Contract	Item		
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Preliminaries

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Item No		Qty	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>EARTHWORKS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of ground</u></p> <p>The Tenderer must acquaint himself with the nature of the material to be excavated. Excavation in 'earth' shall be defined as excavation in all types of material.</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 for same in his pricing</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>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></p> <p><u>Excavation in earth not exceeding 2m deep</u></p>			
1	To remove sloping banks	m3	316	
2	Trenches	m3	1 513	
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	<p>Bill No. 2 Earthworks PHASE 2A-S</p>			

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Item No		Qty	Rate	Amount
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	126	
4	Hard rock	m3	55	
	<u>Extra over all excavations for carting away</u>			
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	1 839	
	<u>Risk of collapse of excavations</u>			
6	Sides of trench and hole excavations not exceeding 1,5m deep	m2	10 533	
	<u>Keeping excavations free of water</u>			
7	Keeping excavations free of water other than subterranean water		Item	
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>			
8	Backfilling to trenches, holes, etc	m3	155	
	<u>Earth filling of G5 material in accordance with SABS 1200 DM supplied by the contractor compacted to 95% Mod AASHTO density</u>			
9	Backfilling to trenches, holes, etc	m3	181	
	<u>Compaction of surfaces</u>			
10	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	5 792	
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Earthworks

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 Earthworks
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Item No		Qty	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Principal Agent. (Test cubes are measured separately)</p> <p>Formwork to sides of 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"</p>			
1	<p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>15MPa/19mm concrete</u></p> <p>Surface blinding under footings and bases m3</p> <p style="text-align: center;">Carried to Collection</p> <p>Bill No. 3 Concrete, Formwork & Reinforcement PHASE 2A-S</p>	121		<p style="text-align: right;">R</p>

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Item No		Qty	Rate	Amount
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>30MPa / 19mm concrete</u>			
2	Strip footings	m3	79	
3	Foundation beams to raft slab	m3	1 219	
4	Raft slab	m3	1 016	
5	Stairs including landings, beams and inverted beams	m3	254	
	<u>TEST BLOCKS</u>			
6	Making and testing 150 x 150 x 150mm concrete strength test cube	No	3 534	
	<u>CONCRETE SUNDRIES</u>			
	<u>Finishing top surfaces of concrete smooth with a power float finish</u>			
7	Raft slabs, etc	m2	7 818	
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
	<u>Rough formwork to sides</u>			
8	Strip footings not exceeding 300mm high	m	574	
9	Ground beams	m2	1 515	
10	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	8 903	
11	Sloping and stepped outer edges of stairs 330mm high extreme	m	746	
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	Bill No. 3 Concrete, Formwork & Reinforcement PHASE 2A-S			

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Item No			Qty	Rate	Amount
	<u>Rough formwork to soffits</u>				
12	Stairs with sloping soffits	m2	956		
	<u>MOVEMENT JOINTS, ETC</u>				
	<u>Two layers 375 micron plastic slip joints between horizontal concrete and brick surfaces including cement mortar bed</u>				
13	Not exceeding 300mm wide	m	6 460		
	<u>Expansion joints with bitumen impregnated softboard between vertical concrete and block surfaces</u>				
14	15mm Joints not exceeding 300mm high	m	1 224		
	<u>Saw cut joints</u>				
15	3 x 30mm Saw cut joints in top of concrete	m	574		
	<u>REINFORCEMENT</u>				
	<u>Mild steel reinforcement to structural concrete work</u>				
16	Bars of various diameters	t	38.00		
	<u>High tensile steel reinforcement to structural concrete work</u>				
17	Bars of various diameters	t	313.00		
	<u>Fabric reinforcement</u>				
18	Type 245 fabric reinforcement in concrete raft slabs, etc	m2	7 818		
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**Item
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SUPPLY & INSTALL THE FOLLOWING

Tenderers are advised that only prefabricated beam and block slab systems will be considered for the first floor slab construction.

The Tenderer shall ensure that all shop drawings are submitted with their tender for approval by the Principal Agent.

Contractor to indicate here the name of the supplier of the beam and block slab proposed :

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The design shall comply with all relevant SANS standards as well as the National Home Building Registration Council Manual (NHBRC Manual). These include but are not restricted to :

- a) Design of Concrete Elements - SANS 0100:2000 Ed2.2
- b) Loading Code - SANS 10160:2011
- c) Construction Methods (National Building Regulations) - SANS 10400

Tenderers are to refer to V. Govender Engineers drawings annexured to this document.

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 Concrete, Formwork & Reinforcement
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Item No	<u>FIRST FLOOR SLAB</u>	Qty	Rate	Amount
19	<p><u>Supply and install prefabricated beam and block first floor slab complete with pre-stressed reinforced concrete beams, approved blocks laid end to end in rows, concrete topping, mesh and bar reinforcement, temporary propping, expansion joints, powerfloated finish to top and 5mm thick cement bagging finish to soffit (Refer attached Engineers drawings)</u></p> <p>First floor slab on 7MPa loadbearing blockwork size 6150 x 4000mm overall on plan and 2,4m above bearing level including 1010 x 2900mm opening for staircase (Unit Type A) (Blockwork and staircase elsewhere measured)</p>	No	287	
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	<p>Bill No. 3 Concrete, Formwork & Reinforcement PHASE 2A-S</p>			

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Concrete, Formwork & Reinforcement

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Item No		Qty	Rate	Amount
	<p><u>BILL NO. 4</u></p> <p><u>MASONRY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>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 methods of similar quality may be used with prior approval from the Architect, prior to submission of Tenders.</p> <p><u>BLOCKWORK</u></p> <p><u>Blockwork</u></p> <p>Blockwork shall comply with SANS 10145 "Concrete Masonry Construction".</p> <p>Blocks shall comply with SANS 1215 and shall bear the SANS mark.</p> <p>All blocks must be saw cut and not broken with a trowel and prices must include for this.</p> <p>All M150 blocks are to have a minimum compressive strength of 7 MPa.</p> <p>Descriptions of blockwork shall be deemed to include for wedging and pinning against columns, beams, slabs, etc.</p> <p>Surfaces to be plastered shall have joints raked out to a depth of at least 10mm to provide a key. Surfaces to receive bagging shall have flush joints.</p>			
	Carried to Collection			
	<p>Bill No. 4 Masonry PHASE 2A-S</p>		R	

Item No		Qty	Rate	Amount
	<u>SAMPLES</u>			
	Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site.			
	<u>FOUNDATIONS</u>			
	<u>Blockwork in "Corobrik Corocrete Coroblok" or equal approved 7MPa concrete masonry blocks in class I cement mortar</u>			
1	140mm Walls in M150 blocks	m2	631	
	<u>SUPERSTRUCTURE</u>			
	<u>Blockwork in "Corobrik Corocrete Coroblok" or equal approved 3,5MPa concrete masonry blocks in Class II cement mortar</u>			
2	90mm Walls in M100 blocks	m2	7 068	
3	90mm Shower kerb one course high in M100 blocks	m	285	
	<u>Blockwork in "Corobrik Corocrete Coroblok" or equal approved 7MPa concrete masonry blocks in Class I cement mortar</u>			
4	140mm Walls in M150 blocks	m2	25 027	
5	140mm Walls in M150 blocks in beamfilling	m2	511	
6	140mm Walls in M150 blocks above wall plate level	m2	2 127	
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Item No		Qty	Rate	Amount
	<u>BLOCKWORK SUNDRIES</u>			
	<u>10MPa/19mm Mass concrete filling to cavity of blockwork</u>			
7	Mass concrete filling	m3	37	
	<u>Galvanised blockwork reinforcement</u>			
8	75mm Wide reinforcement built in horizontally	m	93 580	
	<u>"Fabcon" or equal approved pre-stressed fabricated lintels</u>			
9	90 x 110mm Lintels in lengths not exceeding 3m	m	1 178	
10	140 x 110mm Lintels in lengths not exceeding 3m	m	3 580	
	<u>Galvanised hoop iron cramps, ties, etc</u>			
11	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into blockwork	No	4 318	
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Masonry

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<u>BILL NO. 5</u>				
<u>WATERPROOFING</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
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 methods of similar quality may be used with prior approval from the Architect, prior to submission of Tenders.				
<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
<u>One layer of 375 micron "Consol Plastics Brikgrip DPC" or equal approved embossed damp proof course</u>				
1	In walls	m2	1 075	
2	In walls under window cills	m2	297	
<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" or equal approved waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>				
3	Under raft slabs	m2	6 018	
4	Sides of ground beams	m2	8 869	
<u>PROTECTION TO WATERPROOFING</u>				
<u>10mm Softboard protection</u>				
5	Vertically behind ground beams	m2	876	
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Bill No. 5 Waterproofing PHASE 2A-S				

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Waterproofing

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 Waterproofing
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	<p>BILL NO. 6</p> <p><u>ROOF COVERINGS, ETC</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>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 methods of similar quality may be used with prior approval from the Architect, prior to submission of Tenders.</p>			
	<p><u>TILES</u></p> <p><u>420 x 332mm "Marley" or equal approved Double Roman through colour (Slate Grey) concrete roof tiles fixed with suitable non-corrosive storm clips as required nailed through underlay to and including 38 x 38mm sawn softwood battens at 320mm centres</u></p>			
1	Roof covering with pitch not exceeding 25 degrees	m2	10 835	
2	Ridge tiles to match roofing tiles including soaker underlay, additional battens, etc and bedded and pointed in 1:3 cement mortar tinted to match tile colour	m	1 333	
3	Verge capping tiles to match roofing tiles including soaker underlay, additional battens, etc bedded and pointed in 1:3 cement mortar tinted to match tile colour	m	2 024	
4	Ridge end tiles to match roofing tiles bedded and pointed in 1:3 cement mortar tinted to match tile colour	No	237	
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	<p>Bill No. 6 Roof Coverings PHASE 2A-S</p>			

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5	<p><u>"Monier Easyflash" or equal approved 1,4mm thick aluminium composite waterproofing membrane with butyl self adhesive fixed in strict accordance to the manufacturer's instructions</u></p> <p>Stepped side wall flashing</p>	m	928	
<u>UNDERTILE MEMBRANE</u>				
6	<p><u>"Marley Econo" or equal approved residential application undertile membrane fixed in strict accordance with the manufacturer's instructions</u></p> <p>Undertile membrane laid taut over rafters (at approximately 690mm centres) and fixed concurrent with tilting battens, purlins, etc</p>	m2	8 509	
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<p>Bill No. 6 Roof Coverings PHASE 2A-S</p>				

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<p><u>BILL NO. 7</u></p>			
<p><u>CARPENTRY AND JOINERY</u></p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p>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 methods of similar quality may be used with prior approval from the Architect, prior to submission of Tenders.</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>ROOFS, ETC</u></p>			
<p>The design, manufacture and transportation of the roof trusses, bracing, etc shall be under the control of a registered Engineer in accordance with SANS 1900, SANS 10166 and SANS 100163. It shall be required from the manufacturer of the trusses to lodge a written guarantee that his construction has been designed by a qualified Structural Engineer and that he is in possession of a capability certificate issued by the Institute for Timber Construction and approved by the Engineer.</p>			
<p>Erection must be carried out as described in "The erection and Bracing of Timber Roof Trusses" published by the Truss Plate Association of South Africa Ltd. and the National Timber Research Institute, CSIR.</p>			
<p>Carried to Collection</p>			
<p>Bill No. 7 Carpentry & Joinery PHASE 2A-S</p>			
		R	

Item No	Descriptions of roof trusses shall be deemed to include for design, manufacture, supply, hoisting and fixing in position, trimming ends, notching, etc, and for any temporary and permanent bracing	Qty	Rate	Amount
	<p><u>Prefabricated plate nailed timber roof truss construction</u></p> <p>The following is applicable in respect of roof trusses:</p> <p>Trusses are at maximum 690mm centres. Roof Covering is concrete roof tiles on timber battens. Ceilings are 6,4mm plasterboard ceilings. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from site before design or fabrication commences.</p> <p><u>Sawn softwood trusses</u></p>			
1	Double pitched roof truss 6036mm span x 1200mm high with 740mm eaves overhang projection both sides	No	574	
2	Double pitched roof truss 6316mm span x 1200mm high with 600mm eaves overhang projection both sides	No	1 435	
3	Double pitched roof truss 6884mm span x 1350mm high with 740mm eaves overhang projection both sides	No	75	
4	Double pitched roof truss 7024mm span x 1350mm high with 600mm eaves projection one side and 740mm other side	No	15	
5	Double pitched roof truss 7164mm span x 1350mm high with 600mm eaves overhang projection both sides	No	60	
	<p>Bill No. 7 Carpentry & Joinery PHASE 2A-S</p> <p style="text-align: right;">Carried to Collection</p>			R

Item No		Qty	Rate	Amount
	<u>Sawn softwood</u>			
6	38 x 76mm Wall plates	m	2 436	
	<u>Sundries</u>			
7	Two coats creosote on sawn timbers	m2	826	
	<u>EAVES, VERGES ETC</u>			
	<u>Fibre-cement fascia and barge boards</u>			
8	10mm x 225mm Fibre cement fascia board fixed to truss and joined with PVC joiner	m	2 546	
9	8mm x 200 x 80mm Barge board with PVC joiners fixed to brandering	m	2 435	
	<u>DOORS, ETC</u>			
	<u>Hollow core flush doors with commercial veneer on both sides suitable for painting hung to steel frames</u>			
10	40mm Door, 813 x 2032mm high	No	906	
	<u>Wrot meranti doors hung to steel frames</u>			
11	44mm Framed, ledged and braced batten door 813 x 2032mm high filled in with 22mm V-jointed boarding both sides	No	589	
	<u>SUPPORT FOR WATER STORAGE TANK</u>			
	<u>S.A Pine</u>			
12	38 x 114mm Bearers bolted	m	906	
	<u>Shutterboard</u>			
13	18mm Thick boarding	m2	302	
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Bill No. 7

Carpentry & Joinery

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 Carpentry & Joinery
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Item No		Unit	Qty	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>CEILINGS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</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><u>NAILED UP CEILINGS</u></p> <p><u>6,4mm Gypsum plasterboard with taped and skimmed joints</u></p>				
1	Ceilings including 38 x 38mm SA Pine bandering at 400mm centres	m2	6 842		
2	Extra over ceiling and bandering for 650 x 650mm trap door of 38 x 38mm wrot softwood rebated framing with 38 x 114mm sawn softwood trimmers covered with ceiling board and fitted flush in opening with 19 x 50mm wrot softwood fillet all round	No	302		
	<p><u>Gypsum plasterboard cornices</u></p>				
3	50 x 50mm cornice fixed to ceiling/wall with cornice adhesive	m	11 132		
	Carried to Collection				
	Bill No. 8 Ceilings PHASE 2A-S				R

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Bill No. 8

Ceilings

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 Ceilings
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Item No		Qty	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>IRONMONGERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>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 methods of similar quality may be used with prior approval from the Architect, prior to submission of Tenders.</p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: 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>LOCKS</u></p> <p><u>"Union" or equal approved</u></p>			
1	Two lever mortice lockset with CB furniture	No	906	
2	Three lever mortice lockset with CB furniture	No	589	
	<p><u>BATHROOM FITTINGS</u></p>			
3	Chromium plated toilet roll holder	No	302	
	Carried to Collection			
	<p>Bill No. 9 Ironmongery PHASE 2A-S</p>			
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CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT

Item No		Qty	Rate	Amount
<u>"Chairman Industries" or equal approved</u>				
4	"Railman" (Code DL2) Stainless steel side wall grab rail with dogleg shape 32mm diameter x 900mm long fixed to wall as per engineers specifications	No	15	
5	"Railman" (Code SR2) Stainless steel side wall straight grab rail 32mm diameter x 750mm long fixed to wall as per engineers specifications	No	15	
6	"Railman" (Code XC) Stainless steel shower corner rail 32mm diameter x 650 x 650 x 90mm overall length fixed to wall as per engineers specifications	No	15	
7	"Railman" (Code XS) Stainless steel fold up shower seat 460 x 480mm long fixed to wall as per engineers specifications	No	15	
<u>SUNDRIES</u>				
8	Rubber door stop plugged	No	1 495	
Bill No. 9 Ironmongery PHASE 2A-S				R
Carried to Collection				

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Bill No. 9

Ironmongery

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 Ironmongery
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Item No		Qty	Rate	Amount
	<p><u>BILL NO. 10</u></p> <p><u>METALWORK</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>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 methods of similar quality may be used with prior approval from the Architect, prior to submission of Tenders.</p> <p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork of concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Glazing to aluminum window to be 4mm float glass and obscure glass to W3 top hung sash</p>			
	<p><u>GALVANIZED STEEL BALUSTRADES, ETC</u></p> <p><u>Welded balustrading to staircase</u></p>			
1	<p>Raking balustrading 1264mm high formed of 40 x 40mm square hollow section continuous top and bottom rails filled in with 30 x 30mm square hollow section horizontal rails at 100mm centres and 40 x 40mm square hollow section stanchions at average 1m centres bolted to side of concrete stairs with 2 No. M16 anchor bolts at 500mm centres</p>	m	818	
	Carried to Collection			R
	<p>Bill No. 10 Metalwork PHASE 2A-S</p>			
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**CONTRACT NO.1H-31918
CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT**

Item No		Qty	Rate	Amount
	<u>GALVANIZED PRESSED STEEL DOOR FRAMES</u>			
	<u>"Durowin" or equal approved 1mm thick single rebated frames with adjustable striking plate including pair of steel hinges per door leaf, rubber buffers to the lock jambs and fixing lugs welded on, suitable for 90mm block walls</u>			
2	Frame for door 813 x 2032mm high	No	906	
	<u>"Durowin" or equal approved 1,2mm thick double rebated frames with adjustable striking plate including pair of steel hinges per door leaf, rubber buffers to the lock jambs and fixing lugs welded on, suitable for 140mm block walls</u>			
3	Frame for door 813 x 2032mm high	No	589	
	<u>GALVANIZED STEEL WINDOWS, DOORS, ETC</u>			
	<u>"Durowin" Standard residential windows</u>			
4	Window Type NE1 (Code W3), 533 x 654mm high	No	302	
5	Window Type NC1 (Code W4), 533 x 949mm high	No	302	
6	Window Type NC7 (Code W2), 1022 x 949mm high	No	1 480	
7	Window Type ND7 (Code W1), 1022 x 1245mm high	No	302	
8	Aluminium 30.5 casement (Class1) 25 micron natural anodized complete, 533 x 654mm	No	1	Rate only
9	Aluminium 30.5 casement (Class1) 25 micron natural anodized complete, 533 x 949mm	No	1	Rate only
10	Aluminium 30.5 casement (Class1) 25 micron natural anodized complete, 1022 x 949mm	No	1	Rate only
11	Aluminium 30.5 casement (Class1) 25 micron natural anodized complete, 1022 x 1245mm	No	1	Rate only
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	Bill No. 10 Metalwork PHASE 2A-S			

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Bill No. 10

Metalwork

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 Metalwork
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Item No		Qty	Rate	Amount
	<u>BILL NO. 11</u>			
	<u>PLASTERING</u>			
	<u>SCREEDS</u>			
	<u>Untinted granolithic on concrete</u>			
1	25mm Thick on treads and risers of stairs including reedings	m2	1 496	
	<u>Untinted granolithic screed with "Sikalite" or equal approved waterproofing admixture on concrete applied in strict accordance with the manufacturers instructions</u>			
2	Average 60mm thick on shower floors to falls	m2	245	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on blockwork and small part on concrete</u>			
3	On walls	m2	36 976	
4	On narrow widths	m2	1 762	
	<u>Cement plaster with "Sikalite" or equal approved waterproofing admixture on blockwork applied in strict accordance with the manufacturers instructions</u>			
5	On walls	m2	5 199	
6	On narrow widths	m2	145	
	<u>Cement plaster on concrete</u>			
7	On raking soffits of stairs	m2	956	
8	On narrow widths	m2	191	
	Carried to Collection			R
	Bill No. 11 Plastering PHASE 2A-S			

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Bill No. 11

Plastering

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Bill No. 11
 Plastering
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CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT**

Item No		Qty	Rate	Amount
	<p><u>BILL NO. 12</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>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 methods of similar quality may be used with prior approval from the Architect, prior to submission of Tenders.</p> <p><u>High density polyethylene pipes :</u></p> <p>Pipes shall be firmly fixed to walls, etc with coloured nylon snap-in pipe clips at maximum 500mm centres, with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p> <p>All pipe diameters are nominal external</p> <p><u>uPVC pipes and fittings:</u></p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p style="text-align: right;">Carried to Collection</p> <p>Bill No. 12 Plumbing & Drainage PHASE 2A-S</p>			
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CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT**

Item No		Qty	Rate	Amount
	<p><u>Flush pans</u></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p> <p><u>Stainless steel sinks</u></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Waste unions</u></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p> <p><u>Sealing around sanitary fittings, etc</u></p> <p>Joints around sanitary fittings at junction with walls, etc are to be sealed with an approved silicone sealant and prices shall include for this</p>			
	<p><u>STORMWATER DRAINAGE</u></p> <p><u>Normal duty uPVC pipes</u></p>			
1	110mm Pipes laid in and including trenches not exceeding 1m deep	m	3 624	
	<p><u>Extra over normal duty uPVC pipes for fittings</u></p>			
2	110mm Bend	No	604	
3	110mm Access Junction	No	302	
	Carried to Collection			R
	<p>Bill No. 12 Plumbing & Drainage PHASE 2A-S</p>			

Item No		Qty	Rate	Amount
	<u>Precast Concrete Gulleys</u>			
4	Precast concrete gulley with 160mm diameter uPVC gulley trap with 110mm diameter outlet and joint to uPVC drain pipe including PVC grating	No	604	
	<u>SOIL DRAINAGE</u>			
	<u>Normal duty uPVC pipes</u>			
5	110mm Pipes laid in and including trenches not exceeding 1m deep	m	4 384	
	<u>Extra over normal duty uPVC pipes for fittings</u>			
6	110mm Bend	No	1 540	
7	110mm Junction	No	317	
8	110mm Access Junction	No	317	
9	110mm Access reducing junction	No	287	
10	110mm Diameter rodding eye consisting of plain bend at bottom jointed to drain pipe, vertical piping not exceeding 1000mm long including all necessary slow bends, cast iron 'ABC' cover and frame, 150mm thick mass concrete 15MPa/19mm surround all round and including all necessary additional excavation, etc	No	302	
	<u>Precast Concrete Gulleys</u>			
11	Precast concrete gulley with 160mm diameter uPVC gulley trap with 110mm diameter outlet and joint to uPVC drain pipe including PVC grating	No	302	
	Carried to Collection			R
	Bill No. 12 Plumbing & Drainage PHASE 2A-S			

Item No		Qty	Rate	Amount
	<u>Connection</u>			
12	Locating and cutting into side of existing 160mm pipe for and connecting 110mm pipe including inserting 110mm junction	No	302	
	<u>Sundries to drainage</u>			
13	25mm Diameter hole through 140mm blockwall	No	604	
	<u>PLUMBING</u>			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Marley Vynadeep" or equal approved uPVC</u>			
14	125mm Half round eaves gutters with beaded front edge	m	2 546	
15	Extra over eaves gutter for stopped end	No	1 208	
16	Extra over eaves gutter for outlet for 75mm diameter pipe	No	604	
	<u>uPVC pipes</u>			
17	75mm rainwater pipes	m	3 339	
18	Extra over 75mm rainwater pipe for bend	No	1 208	
19	Extra over 75mm rainwater pipe for shoe	No	604	
	<u>SANITARY FITTINGS</u>			
	<u>Stainless steel sinks</u>			
20	Single end bowl sink size 900 x 535mm with chromium plated grating, waste, plug with stirrup, chain and stay, fixed to block wall with and including galvanised gallow brackets (taps, trap elsewhere)	No	302	
	Carried to Collection			R
	Bill No. 12 Plumbing & Drainage PHASE 2A-S			

Item No		Qty	Rate	Amount
	<u>Glazed ceramic fittings</u>			
21	White basin, size 560 x 405mm, with 38mm chromium plated waste union, with one tap hole, anti-theft plug with spindle fixed to wall with and including two 10mm bolts (Taps, traps elsewhere)	No	287	
22	White low-level 90 degree outlet WC suite including matching 4,5 litre low flush cistern and heavy duty white plastic double flap seat	No	287	
	<u>"Vaal" or equal approved</u>			
23	"Protea Paraplegic" 90° outlet pan (code 750246) and matching 9 litre cistern (code 7116LP) complete with lid, fittings, and purpose-made C.P. side-flush lever (left or right). Bottom inlet water supply must be on same side as flush lever including double flap seat & cover (code 411-65533) (traps, taps elsewhere measured)	No	15	
24	Rounded 510 x 405 x 130mm deep "Hibiscus" basin with one semi-punched tapholes, integrated overflow, and chainstay hole through the centre semi-punched taphole fixed to wall using two 10 mm bolts (code 8448Z0) or as per engineers specifications (waste, taps and traps elsewhere measured)	No	15	
	<u>TRAPS, ETC</u>			
	<u>Flexible rubber</u>			
25	50mm Deep seal rubber P-trap	No	604	
	<u>Brass</u>			
26	50mm Rough brass shower P-trap with CP grating	No	302	
	Carried to Collection			R
	Bill No. 12 Plumbing & Drainage PHASE 2A-S			

Item No			Qty	Rate	Amount
	<u>TAPS, VALVES, ETC</u>				
27	15mm Stopcock	No	604		
28	22mm Stopcock	No	589		
	<u>"Cobra Watertech" or equal approved</u>				
29	15mm "Cobra 111" Star chromium plated pillartap	No	574		
30	15mm "500 Series (Code 503-21b)" Chromium plated elbow action pillartap	No	30		
31	15mm "Cobra 128" Star chromium plated underwall pattern stoptap	No	302		
32	15mm "Cobra 027" Chromium plated overhead shower arm	No	287		
33	15mm "Cobra 068BJ" Chromium plated shower rose	No	287		
34	15mm "TVSH1202/CH" Chromium plated 1 function hand shower including water saving insert and 1500mm chrome flexible hose with wall bracket brass outlet (Code TVSH1397/CH)	No	15		
	<u>SANITARY PLUMBING</u>				
	<u>Soil, waste & vent uPVC pipes</u>				
35	50mm Pipes to walls, columns, soffits, etc	m	2 027		
36	110mm Pipes to walls, columns, soffits, etc	m	574		
	<u>Extra over uPVC pipes for fittings</u>				
37	50mm Access bend	No	1 208		
38	50mm Junction	No	302		
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Item No			Qty	Rate	Amount
39	110mm x 245mm Long "Wirquin Soupless" flexible fitting	No	302		
40	110mm Access bend	No	302		
41	110mm Access junction	No	302		
42	110mm Pan connector	No	302		
43	110 x 50mm Access reducing junction	No	302		
44	50mm "GI One way" vent valve	No	302		
45	110mm "GI Two way" vent valve	No	302		
<u>WATER SUPPLIES</u>					
<u>HDPE Class 12 rigid high density polyethylene pipes with plastic compression fittings</u>					
46	16mm Pipes laid in and including trenches not exceeding 1m deep	m	3 624		
47	16mm Pipes to walls, soffits ,etc	m	4 530		
48	25mm Pipes to walls, soffits ,etc	m	3 896		
49	32mm Pipes to walls, soffits ,etc	m	1 510		
<u>Extra over rigid high density polyethylene pipes for plastic compression fittings</u>					
50	16mm Fittings	No	3 926		
51	25mm Fittings	No	2 099		
52	32mm Elbow	No	604		
53	32 x 25mm Reducing tee	No	302		
Carried to Collection					R
Bill No. 12 Plumbing & Drainage PHASE 2A-S					

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Item No		Qty	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>GLAZING</u>			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>4mm Clear float glass</u>			
1	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	1 434	
2	Panes exceeding 0,5m ² and not exceeding 2m ²	m2	385	
	<u>4mm Obscure glass</u>			
3	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	106	
	<u>MIRRORS</u>			
	<u>4mm Silvered float glass copper backed mirrors with bevelled edges holed for and fixed to blockwork</u>			
4	Mirror 500 x 600mm high	No	15	
	Carried to Summary			
	Bill No. 13 Glazing PHASE 2A-S			
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CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT**

Item No		Qty	Rate	Amount
	<p><u>BILL NO. 14</u></p> <p><u>PAINTWORK</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>SABS Specifications</u></p> <p>High gloss enamel paint : SANS 630 Grade I</p> <p>Oil gloss enamel paint : SANS 631</p> <p>Primers for wood for external work : SANS 678 Type I</p> <p>Primers for wood for internal work : SANS 678 Type III</p> <p>Zink chromate primers for steel : SANS 679 Type I</p> <p>Wash primer (metal etch) : SANS 723</p> <p>Varnish for interior use : SANS 887 Type I</p> <p>Emulsion paints : SANS 1586</p>			
	<p><u>PAINTWORK, ETC TO NEW WORK</u></p> <p><u>ON SCREEDED FLOORS</u></p> <p><u>Apply one coat primer and two coats "Flowcrete Flowseal EPW" or equal approved pigmented water based epoxy resin coating applied in strict accordance with the manufacturers instructions</u></p>			
1	On granolithic screeded shower floors	m2	245	
	Carried to Collection			R
	<p>Bill No. 14 Paintwork PHASE 2A-S</p>			

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Item No		Qty	Rate	Amount
	<u>ON BAGGED BLOCKWORK</u>			
	<u>One coat alkali resistant primer, one undercoat and one finishing coat Stipple Texture PVA emulsion paint</u>			
2	On soffit of precast beam and block slab	m2	6 495	
	<u>ON FLOATED PLASTER</u>			
	<u>Apply one coat primer and two coats "Flowcrete Flowseal EPW" or equal approved pigmented water based epoxy resin coating applied in strict accordance with the manufacturers instructions</u>			
3	On internal shower walls	m2	1 966	
	<u>One coat alkali resistant primer, one undercoat and one finishing coat PVA emulsion paint</u>			
4	On internal walls	m2	43 915	
5	On external walls	m2	19 498	
	<u>One coat alkali resistant primer, one undercoat and one finishing coat acrylic co-polymer emulsion paint</u>			
6	On ceilings and beams	m2	1 147	
	<u>ON PLASTER BOARD</u>			
	<u>One coat primer, one undercoat and one finishing coat acrylic co-polymer emulsion paint</u>			
7	On ceilings and cornices	m2	6 842	
	Carried to Collection			R
	Bill No. 14 Paintwork PHASE 2A-S			

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CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT**

Item No		Qty	Rate	Amount
	<u>ON FIBRE-CEMENT</u>			
	<u>One coat primer, one undercoat and two coats pure acrylic emulsion paint</u>			
8	On fascias and barge boards	m2	1 877	
	<u>ON METAL</u>			
	<u>One coat calcium plumbate primer</u>			
9	On backs of frames not exceeding 300mm girth	m	7 625	
	<u>One coat galvanised iron cleaning primer, one coat calcium plumbate primer, one undercoat and one finishing coat polyurethane velvet enamel paint on galvanised steel</u>			
10	On door frames	m2	2 160	
11	On windows	m2	3 850	
12	On balustrades (both sides measured over the full flat area)	m2	2 105	
	<u>ON WOOD</u>			
	<u>One coat wood primer, one undercoat and one finishing coat polyurethane velvet enamel paint</u>			
13	On doors	m2	3 157	
	<u>Two coats exterior quality clear polyurethane varnish</u>			
14	On doors	m2	2 053	
	Carried to Collection			R
	Bill No. 14 Paintwork PHASE 2A-S			

Item No		Qty	Rate	Amount
	<u>HOUSE NUMBERING</u>			
	<u>150mm High by 100mm wide black lettering painted using approved stencils - priced per set of 4 digits per unit</u>			
15	On painted walls	No	302	
	Carried to Collection			R
	Bill No. 14 Paintwork PHASE 2A-S			

**CONTRACT NO.1H-31918
 CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT**

Bill No. 14

Paintwork

COLLECTION

Total Brought Forward from Page No.

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No**

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Amount

Carried to Summary

R

Bill No. 14
 Paintwork
PHASE 2A-S

**CONTRACT NO.1H-31918
CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT**

Item No		Qty	Rate	Amount
<u>BILL NO. 15</u>				
<u>PROVISIONAL AMOUNTS</u>				
The following Provisional Amounts are all NET amounts EXCLUSIVE of commission for the Contractor. These amounts are for work to be executed complete by Nominated/Selected Sub-Contractors.				
Provisional Amounts may be omitted or reduced at the Employer's sole discretion and the contractor shall not be entitled to claim for any loss by way of reductions or omissions of any discount, or percentage relating to Provisional Amounts or P.C. amounts or any loss of profit related thereto.				
<u>ELECTRICAL INSTALLATION</u>				
1	Allow the provisional amount of R 2 114 000.00 (Two Million One Hundred and Fourteen Thousand Rand) for Electrical Installation	Item		2 114 000.00
2	Profit	Item		
3	Attendance	Item		
<u>PROFESSIONAL FEES</u>				
4	Allow the provisional amount of R 1 208 000.00 (One Million Two Hundred and Eight Thousand Rand) for Structural Element Design, Monitoring and Certification	Item		1 208 000.00
5	Profit	Item		
6	Attendance	Item		
Carried to Collection		R		
Bill No. 15 Provisional Amounts PHASE 2A-S				

Item No		Qty	Rate	Amount
<u>ENVIRONMENTAL MONITORING AND REPORTING</u>				
7	Allow the provisional amount of R 453 000.00 (Four Hundred and Fifty Three Thousand Rand) for Environmental Monitoring and Reporting as per the approved Environmental Management Programme (EMPr) to Relevant Statutory Authorities	Item		453 000.00
8	Profit	Item		
9	Attendance	Item		
<u>BUDGETARY ALLOWANCES</u>				
<u>The following Budgetary Allowances are for work to be executed by the Contractor and priced at Bill rates or rates to be agreed</u>				
<u>BUILDERS WORK IN CONNECTION WITH SPECIALIST INSTALLATIONS</u>				
10	Allow the Budgetary Amount of R 100 000.00 (One Hundred Thousand Rand) for builders work in connection with specialist installations	Item		100 000.00
Carried to Collection				R
Bill No. 15 Provisional Amounts PHASE 2A-S				

**CONTRACT NO.1H-31918
 CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT**

Bill No. 15

Provisional Amounts

COLLECTION

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No**

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Amount

Carried to Summary

R

Bill No. 15
 Provisional Amounts
PHASE 2A-S

**CONTRACT NO.1H-31918
CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT**

Bill No	<u>FINAL SUMMARY</u>	Page No	Amount
1	Preliminaries	8	
2	Earthworks	12	
3	Concrete, Formwork & Reinforcement	18	
4	Masonry	22	
5	Waterproofing	25	
6	Roof Coverings	28	
7	Carpentry & Joinery	32	
8	Ceilings	35	
9	Ironmongery	38	
10	Metalwork	41	
11	Plastering	44	
12	Plumbing & Drainage	54	
13	Glazing	55	
14	Paintwork	60	
15	Provisional Amounts	63	
	SUB-TOTAL		R
	Add: Contract Skills Development Goals (0,5%)	%	
	Carried to Form of Tender		R
	PHASE 2A-S		

CONTRACT NO.1H-31918
CORNUBIA INTEGRATED HUMAN SETTLEMENT DEVELOPMENT