

Item No		Quantity	Rate	Amount
	<u>SECTION NO.1</u>			
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>NOTES</u>			
	For preambles see "Model Preambles for Trades"			
	i) The agreement is to be the JBCC Series 2000 Principal Building Agreement, prepared by the Joint Building Contracts Committee, Edition 4.1, March 2005 prepared by the Joint Building Contracts Committee			
	ii) The Preliminaries for use with the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, edition code 2101 March 2005 and shall be deemed to be incorporated herein			
	iii) Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
	iv) Where standard clause or alternatives are not entirely applicable to this contract such modification, corrections or supplements as will apply are given under each relevant clause heading			
	v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES			

	Brought Forward		R	
	<p>vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied) "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time.</p> <p><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Definitions (A1)</u></p> <p>1 Definitions and interpretation (clause 1)</p> <p>F:..... V:..... T:.....</p> <p><u>Objective (A2)</u></p> <p>2 Offer acceptance and performance (clause 2)</p> <p>F:..... V:..... T:.....</p> <p><u>Preparation (A3-A14)</u></p> <p>3 Documents (clause 3)</p> <p>F:..... V:..... T:.....</p> <p>4 Design responsibility (clause 4)</p> <p>F:..... V:..... T:.....</p> <p>5 Employer's agents (clause 5)</p> <p>F:..... V:..... T:.....</p>			
		Item		
		Item		
		Item		
		Item		
		Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

	Brought Forward		R	
6	Site representative (clause 6) F:..... V:..... T:.....	Item		
7	Compliance with regulations (clause 7) F:..... V:..... T:.....	Item		
8	Works risk (clause 8) F:..... V:..... T:.....	Item		
9	Indemnities (clause 9) F:..... V:..... T:.....	Item		
10	Works insurance (clause 10) F:..... V:..... T:.....	Item		
11	Liability insurances (clause 11) The contracting parties responsible for effecting the aforesaid insurances shall make available to the Principal Agent as soon as possible, documentary evidence of the insurances for approval by the other contracting parties within five (5) days. Such approval shall not be unreasonably withheld and if not dissented from within the said five (5) days, such approval shall be deemed to have been given F:..... V:..... T:.....	Item		
12	Effecting insurance (clause 12) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES			

Brought Forward			R	
13	No Clause (clause 13) F:..... V:..... T:.....	Item		
14	Security (clause 14) F:..... V:..... T:.....	Item		
<u>Execution (A15-A22)</u>				
15	Preparation for and execution of the works (clause 15) F:..... V:..... T:.....	Item		
16	Access to the works (clause 16) F:..... V:..... T:.....	Item		
17	Contract instructions (clause 17) Supervision by the Principal Agent and other Agents is intended as a means of checking the interpretation of work done and providing clarification and further information where required during the progress of the work. Supervision shall not in any way relieve the Contractor of his responsibility for ensuring that the work is carried out satisfactorily in all aspects, in good time and in accordance with the Contract. Although the Principal Agent and other Agents will make spot checks from time to time on dimensions and levels as the work proceeds, checking of the setting out, dimensions levels and positioning for all items is the Contractor's responsibility and should any errors occur during the course of or be found after completion of the Works, the cost of remedying same will be for the Contractor's account F:..... V:..... T:.....	Item		
Carried Forward			R	
Section No. 1 Bill No. 1 PRELIMINARIES				

Brought Forward			R	
18	<p>Setting out of the works (clause 18)</p> <p>F:..... V:..... T:.....</p> <p>The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments.</p>	Item		
19	<p>Assignment (clause 19)</p> <p>F:..... V:..... T:.....</p>	Item		
20	<p>Nominated subcontractors (clause 20)</p> <p>F:..... V:..... T:.....</p>	Item		
21	<p>Selected subcontractors (clause 21)</p> <p>F:..... V:..... T:.....</p>	Item		
22	<p>Employer's Direct Contractors (clause 22)</p> <p>F:..... V:..... T:.....</p>	Item		
23	<p>Contractor's Domestic Sub-Contractors (clause 23)</p> <p>F:..... V:..... T:.....</p> <p><u>Completion (A24-A30)</u></p>	Item		
24	<p>Practical completion (clause 24)</p> <p>F:..... V:..... T:.....</p>	Item		
Carried Forward			R	
<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>				

	Brought Forward		R	
25	<p>Works completion (clause 25)</p> <p>F:..... V:..... T:.....</p>	Item		
26	<p>Final completion (clause 26)</p> <p>Nothing in clause 26 shall be construed so as to restrict or remove in any way the contractor's liability for any patent defects and any insufficiencies in the works or materials nor to prescribe the employers common law rights in any way</p> <p>F:..... V:..... T:.....</p>	Item		
27	<p>Latent defects liability period (clause 27)</p> <p>F:..... V:..... T:.....</p>	Item		
28	<p>Sectional completion (clause 28)</p> <p>F:..... V:..... T:.....</p>	Item		
29	<p>Revision of date of practical completion (clause 29)</p> <p>An extension of the construction period will only be considered when work on the critical path of the programme for the works is affected</p> <p>The removal and replacement of materials and/or workmanship that do not conform to description shall not constitute grounds for an extension of the construction period nor for an adjustment to the contract sum.</p> <p>F:..... V:..... T:.....</p>	Item		
30	<p>Penalty for non-completion (clause 30)</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

	Brought Forward		R	
	<u>Payment (A31 - A35)</u>			
31	<p>Interim payment to the contractor (clause 31)</p> <p>The employer shall not pay any interest on amounts payable to the contractor after the date of issue of the certificate of practical completion and clause 31.10 shall therefore not apply.</p> <p>The employer shall, however, pay interest to the contractor at the rate stipulated in clause 31.11.1 on any amount payable to the contractor more than sixty (60) days after the date of issue of the certificate of practical completion but only for such period as the settlement of the final account is delayed by the non-performance of the principal agent, or the employer or his agents. In evaluating non-performance for purpose of this clause, a reasonable time shall be allowed to the principal agent or the employer or his agents to respond to any matter brought to his/their attention and which may effect the settlement of the final account.</p> <p>The statement indicating the formulation of the payment certificate (other than the amounts due to selected sub-contractors) referred to in clause 31.13.1 will only be issued if so requested by the contractor. Any payments made by the contractor based on any information provided by the principal agent shall be at the contractor's sole risk if he had not provided the principal agent or the agents with all relevant information that could have had an effect on any amount incorporated in a payment certificate</p> <p>F:..... V:..... T:.....</p>	Item		
32	<p>Adjustment to the contract value (clause 32)</p> <p>Notwithstanding the provisions of clause 32.13 or any other clause all fluctuations in costs shall be for the account of the contractor.</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

	Brought Forward		R	
33	Recovery of expense and loss (clause 33) F:..... V:..... T:.....	Item		
34	Final account and final payment (clause 34) F:..... V:..... T:.....	Item		
35	Payment to other parties (clause 35) F:..... V:..... T:.....	Item		
	<u>Cancellation (A36-A39)</u>			
36	Cancellation by employer - contractor's default (clause 36) F:..... V:..... T:.....	Item		
37	Cancellation by employer - loss and damage (clause 37) F:..... V:..... T:.....	Item		
38	Cancellation by contractor - employer's default (clause 38) Without derogating from any of the contractor's rights in terms of the agreement the contractor shall have the right to suspend the works in the event that any of the circumstances contained in clause 38.1 occur. The right of suspension of the works shall not extend beyond 90 calendar days , after which termination shall be deemed to have occurred. In the event that the contractor exercises his right of suspension of the works , the employer shall be obliged to revise the date for practical completion for the period of suspension in terms of clause 29 and compensate the contractor for loss and expense in terms of clause 32. F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES			

	Brought Forward		R	
39	<p>Cancellation - cessation of the works (clause 39)</p> <p>F:..... V:..... T:.....</p> <p><u>Dispute (A40)</u></p>	Item		
40	<p>Settlement of disagreements and disputes (clause 40)</p> <p>F:..... V:..... T:.....</p> <p><u>Contract variables (A41)</u></p>	Item		
41	<p>The schedule:Pre-tender information (clause 41)</p> <p>F:..... V:..... T:.....</p> <p>Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder</p> <p>41.1 <u>CONTRACT DETAILS</u></p> <p>41.1.1 Works Description:</p> <p style="padding-left: 40px;">Renovations and alterations at Brookdale Secondary School</p> <p style="padding-left: 40px;">The duration of the project is 6 Months</p> <p>41.1.2 Site Description:</p> <p style="padding-left: 40px;">The site has existing structures which will be refurbished.</p> <p style="padding-left: 40px;">The school is located at:</p> <p style="padding-left: 40px;">126 Cardham Drive Brookdale Phoenix 4068</p> <p>41.1.3 Work for installation by direct contractors:</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

	Brought Forward		R	
	<p>41.1.4 This agreement is for a government contract: Yes</p> <p>41.2.4.1 Date on which possession of the site is intended to be given: TBC</p> <p>41.2.4.2 Period for the commencement of the works after the contractor takes possession of the site: 7 days</p> <p>41.2.4.3 Completions in sections are required: No</p> <p>41.2.4.4 Intended date of practical completion and the TBA and the penalty per day is: R 1500 Contract duration : 6 Months</p> <p>SPECIAL COMPLETION REQUIREMENTS</p> <p>Beneficial occupation dates</p> <p>Tenant Installations beneficial occupation</p> <p>F..... V..... T</p>			
42	<p>41.1.5 Arbitration rules as recommended by the Association of Arbitrators (SA)</p> <p>F V T</p>	Item		
43	<p>41.1.6 The law applicable to this agreement shall be that of South Africa</p> <p>F V T</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

		Brought Forward		R	
	<u>41.2</u>	<u>INSURANCES</u>			
44	41.2.1	Contract works insurance to be effected by Contractor For the amount of: The Contract Sum plus 20% with a deductible of R20 000.00 Notwithstanding the provisions of Clause 41.3.2, the first amount deductible will be for the Contractor's account SASRIA insurance required: F:..... V:..... T:.....	Item		
45	41.2.2	Public liability insurance to be effected by Contractor For the amount of: R10 000 000.00 With a deductible of: R10 000.00 per claim F:..... V:..... T:.....	Item		
	<u>41.3</u>	<u>DOCUMENTS</u>			
	41.3.1	Waivers of contractors lien is required Yes			
	41.3.2	Number of construction document copies to be supplied free of charge: 1			
	41.3.3	Number of days for submission of priced documents: TBA Notwithstanding the provisions of Clause 41.4.4, no payments will be certified unless the priced documents are agreed with the Quantity Surveyors.			
	41.3.4	JBCC Engineering General Conditions are to be included in the documents: No			
		Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES				

<p style="text-align: center;">Brought Forward</p> <p>41.3.5 Alternative if contract value is not adjusted using Contract Price Adjustment Provision: N/A</p> <p>Tender Price is requested for Fixed Rates.</p> <p>41.3.6 Details of changes made to the provision of JBCC standard documentation:.....</p> <p>The Contractor shall issue a Tax Invoice immediately to enable the Employer to process payment.</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		R	

	Brought Forward		R	
	<u>SECTION B: PRELIMINARIES</u>			
	<u>Definition and interpretation (B1)</u>			
46	Definition and interpretation (B1.1 - B1.6.5) F:..... V:..... T:.....	Item		
	<u>Documents (B2)</u>			
47	Checking of documents (B2.1) F:..... V:..... T:.....	Item		
48	These bills of quantities contain pages and annexures as indexed on the flyleaf The items in these bills of quantities are to be read and priced in conjunction with the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 2008 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained.	Item		
49	Provisional bills of quantities (B2.2) F:..... V:..... T:.....	Item		
50	Availability of construction documentation for contracts based on provisional bills of quantities (B2.3) F:..... V:..... T:.....	Item		
51	Interests of agents (B2.4) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES			

	Brought Forward		R	
52	<p>Priced documents (B2.5)</p> <p>F:..... V:..... T:.....</p>	Item		
53	<p>Tender submission (B2.6)</p> <p>F:..... V:..... T:.....</p>	Item		
54	<p>Notwithstanding anything contained in this clause tenders shall be valid for a period of 90 days from the closing date of tenders</p> <p>F..... V T</p> <p><u>The site (B3)</u></p>	Item		
55	<p>Defined works area (B3.1)</p> <p>F:..... V:..... T:.....</p>	Item		
56	<p>The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent at the official site briefing meeting.</p> <p>Site Meeting Date: TBC The meeting will be held at: TBC Tenderers are advise to arrive at least an hour earlier for the briefing meeting in order to avoid delays related to locating the venue.</p> <p>F:..... V:..... T:.....</p>	Item		
57	<p>Inspection of the site (B3.3)</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

	Brought Forward		R	
58	<p>There will be a compulsory site inspection will be conducted by the Principal Agent, tenderers are advised to attend the site briefing meeting to make themselves thoroughly acquainted with the conditions on site and scope of works.</p> <p>Tenderers are advise to arrive atleast an hour earlier for the briefing meeting in order to avoid delays related to locating the venue.</p> <p>No claims for extras arising from the contractor having failed to comply with this clause will be entertained</p> <p>F:..... V:..... T:.....</p>	Item		
59	<p>Existing premises occupied (B3.4)</p> <p>F:..... V:..... T:.....</p>	Item		
60	<p>Previous work - dimensional accuracy (B3.5)</p> <p>F:..... V:..... T:.....</p>	Item		
61	<p>Previous work - defects (B3.6)</p> <p>F:..... V:..... T:.....</p>	Item		
62	<p>Services - known (B3.7)</p> <p>F:..... V:..... T:.....</p>	Item		
63	<p>Services - unknown (B3.8)</p> <p>F:..... V:..... T:.....</p>	Item		
64	<p>Protection of trees etc (B3.9)</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

Brought Forward			R	
65	Articles of value (B3.10) F:..... V:..... T:.....	Item		
66	Inspection of adjoining properties etc (B3.11) F:..... V:..... T:.....	Item		
<u>Management of contract (B4)</u>				
67	Management of the works (B4.1) The contractor is to submit with his tender a synopsis of the proposed management team envisaged for this project. F:..... V:..... T:.....	Item		
68	Programme for the works The contractor is to submit with his tender a detailed program outlining the envisaged programming of the works F V T	Item		
69	Progress meetings (B4.3) F:..... V:..... T:.....	Item		
70	Technical meetings (B4.4) F:..... V:..... T:.....	Item		
Carried Forward			R	
Section No. 1 Bill No. 1 PRELIMINARIES				

	Brought Forward		R	
	<u>Samples and shop drawings and manufacturer's instructions (B5)</u>			
71	Samples of materials (B5.1) F:..... V:..... T:.....	Item		
72	Workmanship samples (B5.2) F:..... V:..... T:.....	Item		
73	Shop drawings (B5.3) F:..... V:..... T:.....	Item		
	<u>Temporary works and plant (B6)</u>			
74	Deposits and fees (B6.1) F:..... V:..... T:.....	Item		
75	Enclosure of the works (B6.2) F:..... V:..... T:.....	Item		
76	Advertising (B6.3) F:..... V:..... T:.....	Item		
77	Plant, equipment, sheds and offices (B6.4) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES			

	Brought Forward		R	
78	<p>Main notice board (B6.5)</p> <p>Provision shall be made for 1 set of Professional boards</p> <p>Lettering shall include:</p> <ul style="list-style-type: none"> • 1 logo not exceeding 200 x 200mm per consultant, • 1 logo not exceeding 200 x 200mm for the contractor • 1 logo not exceeding 200 x 200mm for the implementing agent • 1 logo not exceeding 200 x 200mm for the user client <p>all in colour chromadek signage board that must be 2 x 4m.</p> <p>F:..... V:..... T:.....</p>	Item		
79	<p>Subcontractors notice board (B6.6)</p> <p>F:..... V:..... T:.....</p> <p><u>Temporary services (B7)</u></p>	Item		
80	<p>Location (B7.1)</p> <p>F:..... V:..... T:.....</p>	Item		
81	<p>Water (B7.2)</p> <p>OPTION A</p> <p>F:..... V:..... T:.....</p>	Item		
82	<p>Electricity (B7.3)</p> <p>OPTION A</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

	Brought Forward		R	
83	Telecommunication equipment (B7.4) F:..... V:..... T:.....	Item		
84	Ablution facilities (B7.5) OPTION A F:..... V:..... T:.....	Item		
	<u>Prime cost amounts (B8)</u>			
85	Responsibility for prime cost amounts (B8.1) F:..... V:..... T:.....	Item		
	<u>Attendance on N/S Subcontractors (B9)</u>			
86	General attendance (B9.1) F:..... V:..... T:.....	Item		
87	Special attendance (B9.2) F:..... V:..... T:.....	Item		
88	Commissioning - Fuel, water and power (B9.3) F:..... V:..... T:.....	Item		
	<u>Financial aspects (B10)</u>			
	Statutory taxes, duties and levies (B10.1) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES			

	Brought Forward		R	
89	Provision for Value Added Tax (VAT) is made in the Final Summary F:..... V:..... T:.....	Item		
90	Payment of preliminaries (B10.2) F:..... V:..... T:.....	Item		
91	Adjustment of preliminaries (B10.3) F:..... V:..... T:.....	Item		
92	Payment certificate cash flow (B10.4) F:..... V:..... T:.....	Item		
93	Contractor information supply (B10.5) F:..... V:..... T:.....	Item		
	<u>General (B11)</u>			
94	Protection of works (B11.1) F:..... V:..... T:.....	Item		
95	Protection/isolation of existing/sectionally occupied works (B11.2) F:..... V:..... T:.....	Item		
96	Site security (B11.3) F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES			

	Brought Forward		R	
97	Notice before covering work (B11.4) F:..... V:..... T:.....	Item		
98	Disturbance (B11.5) F:..... V:..... T:.....	Item		
99	Works cleaning and clearing (B11.6) F:..... V:..... T:.....	Item		
100	Vermin (B11.7) F:..... V:..... T:.....	Item		
101	Overhand work (B11.8) F:..... V:..... T:.....	Item		
	<u>Schedule of variables (B12)</u>			
102	Pre-tender information (B12.1) F:..... V:..... T:..... Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that either no details or specific requirements are available or that the clause is not relevant to this specific contract 12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional: <div style="text-align: right;">Yes</div> 12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete <div style="text-align: right;">Yes</div>	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES			

<p style="text-align: center;">Brought Forward</p> <p>12.1.3 Interest of agents (B2.4)</p> <p>12.1.4 Defined works area (B3.1)</p> <p>12.1.5 Geotechnical investigation (B3.2)</p> <p>F V T</p> <p>12.1.6 Existing premises occupied (B3.4)</p> <p>12.1.7 Services - known (B3.7)</p> <p>F V T</p> <p>12.1.8 Protection of trees (B3.9)</p> <p>12.1.9 Inspection of adjoining properties (B3.11)</p> <p>12.1.10 Enclosure of the works (B6.2)</p> <p>12.1.11 Offices (B6.4.3)</p> <p>12.1.12 Main notice board (B6.5)</p> <p>Provision shall be made for 1 set of Professional boards</p> <p>Lettering shall include:</p> <ul style="list-style-type: none"> • 1 logo not exceeding 200 x 200mm per consultant, • 1 logo not exceeding 200 x 200mm for the contractor • 1 logo not exceeding 200 x 200mm for the implementing agent • 1 logo not exceeding 200 x 200mm for the user client <p>all in colour chromadek signage board that must be 2 x 4m.</p> <p>F V T</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		R	

<p style="text-align: right;">Brought Forward</p> <p>12.1.13 Subcontractors notice board (B6.6) A notice board is required</p> <p style="text-align: right;">Yes</p> <p>12.1.14 Water (B7.2) Alternative Selected:</p> <p style="text-align: right;">A</p> <p>The contractor shall make provision for water connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the Local Authority. Should the local authority refuse services supply to site, the contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Local authority would have supplied services to site ie in compliance with the specifications of the Local authority.</p> <p>F V T</p> <p>12.1.15 Electricity (B7.3) Alternative selected:</p> <p style="text-align: right;">A</p> <p>The contractor shall make provision for electrical power connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the Local authority. The contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Local authority would have supplied services to site ie in compliance with the specifications of the Local authority.</p> <p>F V T</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		<p style="text-align: center;">R</p>	
---	--	--------------------------------------	--

<p style="text-align: center;">Brought Forward</p> <p>12.1.16 Telecommunications (B7.4) Alternative selected: A</p> <p>The contractor shall make provision for telephone connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the relevant Agency. Should the Agency refuse services supply to site, the contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Agency would have supplied services to site ie in compliance wit the specifications of the Agency.</p> <p>F..... V T</p> <p>12.1.17 Ablution facilities (B7.5) Alternative selected: A</p> <p>The contractor shall make provision for sewer connection requirements that will enable them to carry out works around the site. The contractor shall apply for all necessary supply connections requirements with the Local authority. The contractor shall connect to any other existing services pointed to him by the Principal Agent in the same manner that the Local authority would have supplied services to site ie in compliance wit the specifications of the Local authority.</p> <p>F..... V T</p> <p>12.1.8 Special attendance (B9.2)</p> <p>12.1.19 Protection of the works (B11.1)</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		R	
		R	

	Brought Forward		R	
	<p>12.1.20 Protection of existing/sectionally occupied works (B11.2) Protection is required</p> <p style="text-align: right;">No</p> <p>The contractor shall conduct an as built survey (photographic and written) prior to commencing works. All damage caused by the Contractor during the contract shall be rectified at the Contractors cost.</p> <p>F V T</p> <p>12.1.21 Disturbance (B11.5) F..... V T</p>			
103	<p>Post tender information (B12.2) F:..... V:..... T:.....</p> <p>12.2.1 Payment of preliminaries Alternative selected: (A or B) F..... V..... T.....</p> <p>12.2.2 Adjustment of preliminaries Alternative selected: (A or B) F..... V T</p> <p>12.2.3 Additional agreed preliminaries items F V T</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

	Brought Forward		R	
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
104	GUARANTEE <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 structural defects in the building in which case the responsibility for replacement shall rest entirely with the contractor unless found to be as a result of a design fault.</p> <p>F V T</p>			
		Item		
105	SHOP DRAWINGS <p>The contractor and/or nominated/selected sub-contractor shall prepare and submit, at his own expense, three (3) copies of shop drawings of all fabricated work, working or setting out drawings shop details and schedules to the principal agent for approval prior to commencement of manufacture.</p> <p>Correction of shop drawings shall not constitute a change in scope of work unless the contractor notifies the Principal Agent in writing within seven (7) calendar days and shall not proceed with fabrication until so authorised by the principal agent</p>			
		Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES			

	Brought Forward		R	
106	<p>SAMPLES</p> <p>Samples are physical examples furnished by the contractor to illustrate materials, equipment or workmanship and to establish standards by which the work will be judged. The contractor shall furnish without delay such samples and "mock ups" as may be called for by the Principal Agent, who may reject all material and workmanship not corresponding with the approved samples.</p> <p>Samples must be submitted in duplicate or as instructed and must allow a reasonable time for their consideration.</p> <p>Samples must be properly labelled with the project name and location, contractor's name, the type, finish composition of materials date of submission and the contract document reference in which the project is identified.</p> <p>F V T</p>	Item		
107	<p>SITE INSTRUCTIONS</p> <p>Site instructions issued are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor.</p> <p>Site instructions to the various sub-contractors may be issued only by the Principal Agent and must be issued via the contractor.</p> <p>Copies of all site instructions issued are to be submitted for the principal agent and the quantity surveyors within two (2) days of issue.</p> <p>F V T</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

	Brought Forward		R	
108	OVERTIME 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 the execution thereof, that costs for such overtime are to be borne by the employer. F:..... V:..... T:.....	Item		
109	CO-OPERATION OF CONTRACTOR FOR COST CONTROL It is specifically agreed that the contractor accepts the obligation of assisting the professional consultants in implementing proper cost control in an effort to prevent the final building cost from exceeding the budget. It is specifically agreed that the professionals and the contractor will endeavour to agree and sign off variations within sixty days of them arising. F V T	Item		
110	SITE LEVELS Before commencement of the works, the contractor shall carry out and provide the principal agent, for approval, a survey of the existing site levels in sufficient details to enable the preparation of a final account. F V T	Item		
111	PROPRIETARY BRANDED PRODUCTS The contractor shall take delivery of, handle, store, use apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instruction after consultation with the manufacturer's authorised representative F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 PRELIMINARIES			

[illegible]

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>DECANTING</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill</p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the project manager</p> <p>The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing. <i>All occupants of the existing school must be removed into the decanted site before the works commence.</i></p> <p><u>Transportation of units</u></p> <p>Transportation of the units and any other associated materials to provide a fully functional structure will be at the cost of the contractor factored into the cost per unit. Contractor to factor in the consequences of inflation into costs.</p>			
	Carried Forward		R	
	<p>Section No. 2</p> <p>Bill No. 1</p> <p>DECANTING</p>			

<p style="text-align: right;">Brought Forward</p> <p><u>Delivery Period</u></p> <p>Delivery period of the units needs to accommodate the removal of the occupants of the existing school to the decanting site. Contractors programme needs to reflect the sequence of the removal of occupants and furniture into the mobile units.</p> <p><u>Positioning and Site Requirements</u></p> <p>a) The site is required to be level with a slope not exceeding 200mm over the full length of each building b) The positioning of the units will be as per Architectural drawing</p> <p><u>Access to Site</u></p> <p>Contractor is to ensure that delivery trucks/trailers for the units have access to the site for delivery.</p> <p><u>Warranty</u></p> <p>Contractor to ensure all necessary warranties and insurances for the units are in place and handed over to the Project Manager upon evacuation of the units. Warranties are to also include all equipment and appliances.</p> <p><u>De-establishment</u></p> <p>Contractor to de-establish the whole decanting site upon completion and arrange for the transportation of the units to a destination selected by the Client</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Tenderers are advised to inspect the site and to acquaint themselves with the site conditions and it's surroundings.</p> <p>The items as referenced in this BOQ and the drawing are INDICATIVE and for reference/identification only.</p> <p>It shall be the tenderer's responsibility in it's entirety to identify all items (even if not identified in this BOQ or on the drawings).</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Bill No. 1 DECANTING</p>		R	
---	--	---	--

Brought Forward			R	
<u>MODULAR UNITS</u>				
<u>NB: Pricing of units to include fabrication (if/where necessary, installation/jointing where required and rigging of units into place) Units to accommodate all internal Electrical Installations including DB Boards, Light Fittings, Switches, Plugs, where required.</u>				
<u>ADMINISTRATION UNIT</u>				
1	Provide mobile Admin Unit approximate size 15.1m x 7.06m placed on top of concrete pads (0.4m x 0.4m) concrete pads with vinyl sheeting installed in the to floors.			
	Note: All windows and doors to include burglar bars	No	1	
<u>ABLUTION UNITS</u>				
2	Provide mobile ablution unit overall approximate size 9700mm x 3000mm, placed on top of concrete pads (400mm x 400mm) concrete pads. The ablutions consists of 8x WC Porcelain close couple cubicle and 6x Wash hand basin porcelain pedestal complete with plumbing	No	1	
<u>Removal of Furniture</u>				
3	Contractor to ensure that all furniture is removed and transported to the decanting units where required or stored securely.		Item	
<u>De-establishment Costs</u>				
4	Provision for the de-establishment of the decanting site (Including dismantling and site clearance) of the area where the units were positioned		Item	
<u>Transportation Costs</u>				
5	Transportation of units to site selected and confirmed by Client		Item	
Carried Forward to Summary of Section No. 2			R	
Section No. 2				
Bill No. 1				
DECANTING				

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 2</u></p> <p><u>DEMOLITIONS AND ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Supplementary preamble items described in Bill No. 1, shall equally apply to this Bill.</p> <p><u>Existing structures</u></p> <p>In taking down and removing existing work, the utmost care shall be taken to prevent any structural or other damage to the remaining portions on the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensure the stability of all structures during the alteration work, Any damage to the structure and/or building as well as the rectification of same will be for the contractor's account</p> <p><u>Services</u></p> <p>Special care shall be exercised during the progress of the work to ensure that electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Representative/Agent if any disconnection or alterations become necessary.</p> <p><u>Dust and noise</u></p> <p>The Contractor is to take all necessary precautions to the satisfaction of the Representative/Agent to prevent any nuisance from the dust and /or noise whilst carrying out the work.</p>			
	Carried Forward		R	
	<p>Section No. 2</p> <p>Bill No. 2</p> <p>ALTERATIONS AND RENOVATIONS</p>			

<p style="text-align: right;">Brought Forward</p> <p><u>Disposal of debris</u></p> <p>The Contractor shall be responsible for the removal from site of all materials, debris and rubbish resulting from the work which removal is deemed to be included in the rates unless otherwise stated.</p> <p>Rates for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p><u>Temporary support to openings through existing walls</u></p> <p>Making openings, altering openings in existing walls and removing lintels above existing openings shall be done with the utmost care to prevent any structural damage. All necessary supports, propping, shoring, needling, strutting, turning pieces, etc. to walls openings is deemed to be included in the contractor's rates.</p> <p><u>Electrical and Mechanical</u></p> <p>Where items include for taking down electrical and mechanical fittings the disconnection and making safe electrically is deemed to be included.</p> <p><u>GENERAL NOTES TO TENDERERS</u></p> <p>Tenderers are to inspect the drawings issued with these Bills of Quantities and to satisfy themselves with the nature and the requirements of the Contract works. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard.</p> <p>Tenderers are to read the descriptions, which are intended as a means of identifying various facets of the work, in conjunction with the drawings. Tenderers shall allow for all costs in connection with the various items taking full cognisance of both the drawings and the Bills of Quantities.</p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Bill No. 2 ALTERATIONS AND RENOVATIONS</p>		R	

	Brought Forward			R	
	<p>Tenderers shall notify the Quantity Surveyor in writing of any discrepancies encountered upon which clarification will be given by the Quantity Surveyor in writing to the Tenderer. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard</p> <p>Tenderers are to note that setting out of the works will be the complete responsibility of the Tenderer and they should therefore acquaint themselves with the site boundaries, site co-ordinates, datum levels etc. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard.</p> <p>Tenderers are to note that all items with ZERO quantities are Rate Only items and should be priced as such.</p> <p>Tenderers are to note that there might be specified suppliers to be used for certain trades as per the annexure to this tender document. Tenderers should familiarise themselves with the suppliers on the list and ensure to allow for accordingly. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard.</p> <p>Tenderers are to fully acquaint themselves with the construction period and shall allow for any night shift if required. Failure to do so will be the complete responsibility of the Tenderer and no claims whatsoever will be entertained in this regard.</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking up and removing vinyl floor coverings, carpeting, etc</u></p>				
1	Vinyl tile floor covering including preparing screed for new vinyl floor covering	m2	3 205		
	<u>Breaking up and removing mass concrete</u>				
2	170mm Thick surface bed	m2	56		
3	250mm thick slab to ramp	m2	105		
	Carried Forward			R	
	<p>Section No. 2 Bill No. 2 ALTERATIONS AND RENOVATIONS</p>				

Brought Forward			R	
<u>Breaking down and removing brickwork etc</u>				
4	One brick wall	m2	142	
<u>Taking out and removing doors, windows, etc from brickwork to be demolished</u>				
5	Timber single door and frame 813 x 2032mm high	No	28	
6	Timber single door and frame 1611 x 2032mm high	No	10	
7	Glazed steel window 1500 x 1500mm high from 230mm brick wall	No	4	
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>				
8	Pitched corrugated iron roof 9850 x 5200 x 3015mm high overall including roof covering, timber trusses and purlins, ceilings and cornices, eaves soffit covering, fascias, barge boards, gutters and rainwater pipes	No	1	
9	Roof sheeting from structural steel support structure including damaged fascia and barge boards	m2	1 089	
<u>Taking out/off and removing asbestos gutters and downpipes</u>				
10	Gutters	m	163	
11	Rainwater goods downpipes	m	85	
<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
12	Hacking face of existing plastered brickwork to receive plaster (elsewhere) and repair hairline cracks	m2	861	
<u>MAKING GOOD OF FINISHES ETC</u>				
<u>Sandblast and prepare concrete tile roof to receive two coats final finish (elsewhere)</u>				
13	To roof tiles	m2	2 698	
Carried Forward to Summary of Section No. 2			R	
Section No. 2				
Bill No. 2				
ALTERATIONS AND RENOVATIONS				

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 3</u>			
<u>EARTHWORKS (PROVISIONAL)</u>			
<u>PREAMBLES:</u>			
The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill			
<u>EXCAVATION. FILLING. ETC</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
1	Reduced levels under floors	m3	8
2	Trenches for ground beams	m3	17
<u>Extra over excavations in earth to trenches and holes for</u>			
3	Excavation in soft rock	m3	3
<u>CARTING AWAY OF EXCAVATED MATERIAL</u>			
<u>Extra over all excavations for carting away</u>			
<u>Note:</u>			
Description 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.			
Carried Forward			R
Section No. 2 Bill No. 3 EARTHWORKS - PROVISIONAL			

	Brought Forward			R	
4	Extra over all excavation for carting away surplus material from excavation and / or stockpile on site to a dumping site to be located by the Contractor	m3	25		
	<u>RISK OF COLLAPSE OF EXCAVATIONS</u>				
	<u>Risk of collapse to side of excavation in earth not exceeding 1.5m deep</u>				
5	Trench and holes	m2	42		
	<u>KEEPING EXCAVATIONS FREE FROM WATER</u>				
	<u>Keeping excavations free of water</u>				
6	Allow for keeping excavations free from water		Item		
	<u>FILLING. ETC.</u>				
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density</u>				
7	Backfilling to trenches, holes, etc	m3	11		
	<u>Filling supplied by the Contractor under floors, trenches, etc.</u>				
8	Sub-base filling (G6) from excavations under solid floors, steps, pavings, etc., compacted to 95% modified AASHTO density	m3	52		
	<u>COMPACTION OF SURFACES</u>				
	<u>Compaction of surfaces</u>				
9	Prepare ground surface by scarifying subgrade, rip and recompact 150mm to 93% modified AASHTO density	m2	55		
10	To bottom of excavated trenches, rip and recompact 150mm to 93% modified AASHTO density	m2	22		
	Carried Forward			R	
	Section No. 2 Bill No. 3 EARTHWORKS - PROVISIONAL				

[illegible]

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.2</u></p> <p><u>BILL NO. 4</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES:</u></p> <p>The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>NOTES:</u></p> <p>Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)</p> <p><u>Formwork:</u></p> <p>Formwork to soffits of solid slabs etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>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.</p>			
	Carried Forward		R	
	<p>Section No. 2</p> <p>Bill No. 4</p> <p>CONCRETE, FORMWORK AND REINFORCEMENT</p>			

	Brought Forward			R	
	<p>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.</p> <p>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.</p> <p><u>UNREINFORCED CONCRETE</u></p> <p><u>Grade 15Mpa/19mm concrete</u></p>				
1	75mm mass concrete in aprons	m3	70		
	<p><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></p> <p><u>Grade 15Mpa/19mm concrete</u></p>				
2	50mm concrete blinding under footings and bases	m3	1		
	<p><u>REINFORCED CONCRETE</u></p> <p><u>30MPa/19mm Concrete:</u></p>				
3	In ground beams	m3	9		
4	In surface beds	m3	9		
	<p><u>TEST BLOCKS</u></p> <p><u>Notes:</u></p> <p>Curing and testing of test blocks are to be carried out by a approved laboratory</p>				
5	Making and testing set of six 150 x 150 x 150mm concrete strength test cubes	Sets	4		
	Carried Forward			R	
	<p>Section No. 2 Bill No. 4 CONCRETE, FORMWORK AND REINFORCEMENT</p>				

[illegible]

Item No	Quantity	Rate	Amount
<u>SECTION NO.2</u>			
<u>BILL NO. 5</u>			
<u>MASONRY</u>			
<u>PREAMBLES</u>			
The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill			
<u>FOUNDATIONS (PROVISIONAL)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
1	One brick walls m2	24	
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressivestrength) in class II mortar in load bearing walls etc</u>			
2	Half brickwall m2	18	
3	One brick wall m2	141	
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement:</u>			
4	75mm Wide reinforcement built in horizontally m	53	
5	150mm Wide reinforcement built in horizontally. m	419	
<u>Precast concrete prestressed fabricated lintels</u>			
6	100 x 70mm Lintels in lengths not exceeding 3m m	21	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 5			
MASONRY			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 6</u>			
	<u>WATERPROOFING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill			
	<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>			
	<u>4mm bituminous waterproofing</u>			
1	On flat roofs including turnups	m2	221	
	<u>PROTECTIVE ROOFING PAINT</u>			
	<u>Two coats bituminous aluminium paint</u>			
2	On waterproofing to roofs	m2	221	
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron embossed damp proof course</u>			
3	Under walls	m2	11	
	<u>One layer of 250 micron, or similar approved waterproof sheeting all side overlaps sealed at laps with 'Superstik' tape/approved contact adhesive on 50mm sand on approved filling,</u>			
4	Under surface beds.	m2	31	
	Carried Forward		R	
	Section No. 2 Bill No. 6 WATERPROOFING			

[illegible]

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 7</u></p> <p><u>ROOF COVERINGS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill</p> <p><u>NOTES:</u></p> <p>Tenderers are advised to study the "specification of materials and methods to be used" (EP/ASC Revision 0)</p> <p><u>User note:</u></p> <p>The fixing recommendations of the manufacturer of the tiles used for the specific region and/or situation are to be incorporated as supplementary preambles</p> <p><u>ROOF SHEETING</u></p> <p><u>Concealed Fix interlocking "KLIP-LOK 700", 0,48mm thick heavy industrial Z275 spelter galvanised steel sheeting with Chromadek, ColorPlus, Colourbond or Globalcoat finish to one side and Grey other side and accessories, fixed to steel purlins using SL 700 approved clips and fasteners. Cover width 700mm. High wind - 120km/h plus - loading to be considered with installation and fixing must be in accordance with manufacturer's recommendations and specifications.</u></p>			
1	Roof covering with pitch not exceeding 15 degrees	m2	1 121	
	<p><u>ROOF AND WALL INSULATION</u></p>			
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Bill No. 7 ROOF COVERINGS</p>		R	

	Brought Forward			R	
	<u>Super Sisalation® 400 double-sided reflective foil laminate incorporating layers of kraft paper and reinforcing scrim laminated together with with low density polyethylene (217gsm), laid taut over steel purlins at centres as by manufacturer and fixed concurrent with roof covering including galvanised steel straining wires. All in accordance with manufacturer's and/or supplier's specifications and recommendations</u>				
2	Insulation laid taut over purlins (at approximately 350mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	32		
Carried Forward to Summary of Section No. 2 Section No. 2 Bill No. 7 ROOF COVERINGS					R

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.2</u></p> <p><u>BILL NO. 8</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.</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> <p><u>Timber</u></p> <p>All softwood to be South African Pine</p>			
	Carried Forward		R	
	<p>Section No. 2</p> <p>Bill No. 8</p> <p>CARPENTRY AND JOINERY</p>			

	Brought Forward			R	
	<u>ROOFS. ETC</u>				
	<u>Plate nailed timber roof truss construction</u>				
	The following is applicable in respect of roof trusses:				
	All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245.				
	Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish.				
	All joints to be close fitted butt joints.				
	Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation.				
	The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.				
	Tenderers must study the roof plan and sections as attached to the back of these bills of quantities and must obtain prices from a qualified and registered roof truss supplier as no claims in this regard will be entertained.				
	<u>Sawn softwood</u>				
	38 x 114mm Wall plates	m	9		
1	Design, take delivery, temporary store, hoist in position and erect plate nailed termite treated timber roof trusses, purlins, gangboarding, temporary and permanent bracing, etc (measured on plan).	m2	31		
	<u>Sundries</u>				
2	Two coats creosote on sawn timbers	m2	2		
	Carried Forward			R	
	Section No. 2 Bill No. 8 CARPENTRY AND JOINERY				

Brought Forward			R
3	3mm galvanised hoop iron 2500mm girth wrapped around rafter and purlin with ends tied together	No	8
<u>FASCIAS AND BARGE BOARDS</u>			
4	12 x 300 x 3600mm plain (medium density) un-grooved fibre cement fascia boards fixed to 38 x 114mm timber rafters to comply with SANS 803 complete with all accessories	m	9
<u>DOORS ETC</u>			
All framed and ledged batten doors and combination doors, where battens are utilised, shall only be of construction acceptable to the Department, i.e. mortice and tenon where the tenon is exposed on the outside edges of styles and where the tenon is wedged to form a dove tailed shape.			
<u>Meranti</u>			
<u>Solid timber door with commercial veneer for painting</u>			
5	900 x 2032mm single door	No	28
6	1600 x 2032mm double door	No	10
<u>SKIRTINGS</u>			
<u>Wrought Meranti</u>			
7	19 x 76mm Meranti Skirting board with 19mm rounded quarter round nailed to wall. All nails to be punched and fitted. finish with 2 coats clear eggshell polyurethane vanish	m	26
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 8			
CARPENTRY AND JOINERY			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 9</u></p> <p><u>FLOOR COVERINGS. WALL LININGS. ETC.</u></p> <p><u>PREAMBLES</u></p> <p><u>FLOOR COVERINGS</u></p> <p>The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill</p> <p><u>2.5mm Thick fully flexible vinyl floor tiles size 300 x 300mm laid on cement screed (elsewhere measured) on floors and in doors/openings</u></p>			
1	On floors	m2	3 205	
	<p><u>POLISH. SEALERS. ETC.</u></p> <p><u>Two coats floor dressing as recommended by the manufacturer of the vinyl flooring</u></p>			
2	On vinyl tiles (elsewhere measured)	m2	3 205	
	Carried Forward to Summary of Section No. 2		R	
	Section No. 2			
	Bill No. 9			
	FLOOR COVERINGS, PLASTIC LININGS ETC			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO.2</u></p> <p><u>BILL NO. 10</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Note:</u></p> <p>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 inseting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>CEILINGS ETC</u></p> <p><u>6.4mm Gypsum plasterboard ceiling, fixed at same roof on 38 x 38mm saw brandering at 400mm centers, including all necessary hangers, braces, etc. fixed with staples or nails, finished with a 9.5mm thick gypsum plasterboard panels including wire lathing at all joints between ceiling panels and a coat of "Rhinolite" plaster, trowelled smooth to receive decoration by others, complete as per Architects Ceilings Specification.</u></p>			
1	2400mm x 1200mm x 6mm Ceilings including 38 x 38 mm sawn softwood brandering at 600 mm centres	m2	617	
	Carried Forward		R	
	Section No. 2 Bill No. 10 CEILINGS, PARTITIONING AND ACCESS FLOORING			

[illegible]

SECTION NO. 2

BILL NO. 11

IRONMONGERY

PREAMBLES

The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill

Where ironmongery is described as plugged, prices are to include for screwing to and including approved patent plugs in concrete or brickwork with plaster or tiled finish, etc.

IRONMONGERY FIXED TO DOORS, etc.

Bolts and Latches

LOCKS

1	75mm Three lever upright mortice lockset with satin chrome furniture	No	38
	<u>HANDLES, etc.</u>		
2	100mm Chromium plated bow handle bolted through door with the bolt ends hammered to prevent the nuts being removed	No	38
	<u>SUNDRIES</u>		
3	38mm Rubber door stop plugged and screwed to wall or floor	No	47

Carried Forward to Summary of Section No. 2

Section No. 2
Bill No. 11
IRONMONGERY

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 12</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill</p> <p><u>ALUMINIUM</u></p> <p>The contractor is to make due allowance in his prices for complying with the following requirements.</p> <p><u>General:</u></p> <p>All aluminium windows and door frames are to meet the recommended performance requirements of (Class designation A2) as set out by the Association of Architectural Aluminium Manufacturers of South Africa, and proof of this is to be provided in the form of an AAAMSA performance certificate for each product.</p> <p><u>Preliminary and Shop Drawings:</u></p> <p>The contractor shall submit preliminary design drawings showing basic system sections for the Architect's approval.</p> <p>After approval and prior to fabrication detailed shop drawings shall be prepared and submitted to the Architect for approval.</p>			
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Bill No. 12 METALWORK</p>		R	

<p style="text-align: center;">Brought Forward</p> <p><u>Fixing:</u></p> <p>The contractor is to take special note of all fixing details of all aluminium elements and must allow in his price for properly securing the aluminium sections to the structure with and including all necessary steel brackets, rails, timber grounds and sub-frames, including all necessary holing and bolting, etc. This fixing is to be adequately spaced and securely fixed to ensure total stiffness of the door frames, windows, etc. as no sagging causing improper functioning of the windows and doors will be accepted.</p> <p><u>Deflection of structure:</u></p> <p>The contractor is advised to make adequate provision for the design deflection of the structure.</p> <p><u>Tolerances:</u></p> <p>Sizes are approximate only and measurements on site must be taken before fabrication. Due allowance must be made for tolerances in accordance with the Architect's details.</p> <p><u>Protection:</u></p> <p>The contractor will be required to protect his work during the course of construction, which protection shall be adequate for the purpose and to the full approval of the Architect.</p> <p>Such protection shall only be removed after a written instruction from the Architect.</p> <p><u>Cleaning:</u></p> <p>All work must be cleaned down upon completion. Glazing as installed will not be accepted as clean glass and the contractor must allow for polishing glass as and when instructed by the Architect.</p> <p><u>WELDED SCREENS, GATES, ETC.</u></p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 12 METALWORK</p>		R	

Brought Forward			R
<u>Gates to external doors</u>			
1	Double welded screen and gate overall size 1600 x 2032mm high of 50 x 50 x 3mm hollow section frame and 25 x 25 x 2mm hollow section horizontal rail fitted in. G06	No	1
<u>PRESSED STEEL DOOR FRAMES</u>			
<u>1,2mm Single rebated frames suitable for one brick walls</u>			
2	Frame for door 900 x 2032mm high	No	28
<u>1,2mm Single rebated frames suitable for cavity brick walls</u>			
3	2Frame for double door size 1600 x 2032mm high	No	10
<u>WINDOWS FRAMES. etc.</u>			
<u>Standard steel school type window frame with brass fittings plus B1 buglar bars to opening sections only, to be finished with one coat manufacturer's red oxide, one coat universal undercoat, two coats enamel</u>			
4	Window 1600 x 1800mm high	No	6
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 12			
METALWORK			

[illegible]

[illegible]

Item No		Quantity	Rate	Amount	
	<u>SECTION NO. 2</u>				
	<u>BILL NO. 15</u>				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>PREAMBLES</u>				
	The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill				
	<u>RAINWATER GOODS</u>				
	<u>100 x 75 x 0.5mm thick galvanised steel seamless eaves gutter hung on conceals internal clip on brackets at 600mm intervals.</u>				
1	Extruded galvanized steel gutters with 20mm overlapping joints sealed with and including bitumen impregnated foam plastic joint sealing strip and riveted at 20mm centres	m	335		
2	Rectangular fluted profile 75 x 50 x 0.5mm thick rainwater downpipe fixed to wall with colour matching metal straps and nylon anchors	m	170		
3	Extra over eaves gutter for offset	No	64		
4	Extra over eaves gutter for outlet	No	64		
5	Extra over eaves gutter for stopped end	No	36		
6	Extra over for shoe	No	64		
	<u>BUDGETARY ALLOWANCES</u>				
7	Provide the Amount of R30 000,00(Thirty Thousand Rand) for the servicing of all sanitary ware to full functionality.	Item		30 000, 0	
	Carried Forward to Summary of Section No. 2				
	Section No. 2				
	Bill No. 15				
	PLUMBING AND DRAINAGE (PROVISIONAL)				

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 16</u>			
<u>PAINTWORK</u>			
<u>PREAMBLES</u>			
The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill			
<u>PAINTWORK ETC TO NEW WORK</u>			
<u>ON FLOATED PLASTER</u>			
<u>Prepare and apply Prime with one coat Plascon Plaster Primer (UC56) with an overcoating time of 16 hours and finish with two coats Wall & All (WAA 1) with 2 hours drying time between coats, for a maintenance cycle of 7 years. Colour to Client's approval</u>			
1	Walls	m2	195
2	Plastered walls including plaster bands	m2	71
<u>PAINTWORK ETC TO EXISTING WORK</u>			
<u>ON FLOATED PLASTER</u>			
<u>Prepare and apply one coat professional plaster primer and two coats acrylic PVA paint.Colour code (Papyrus 22) Plascon DC 8 or similar</u>			
3	Walls	m2	5 078
<u>ON ROUGH CONCRETE</u>			
Carried Forward			R
Section No. 2 Bill No. 16 PAINTWORK			

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 17</u>			
	<u>PROVISIONAL SUMS</u>			
	<u>Note</u>			
	The items described hereunder cover work which is not fully defined at tender date and which is intended to be executed by the contractor and/or his subcontractors. The amounts shown shall be used as directed by the principal agent and shall be deducted in all or in part if not required.			
	<u>ELECTRICAL INSTALLATION</u>			
1	Allow an amount of R1 347 665,00 (One Million Three Hundred and Forty Seven Thousand Six Hundred and Sixty Five Rand) for the Electrical installation	Item		1 347 665, 0
2	Profit		%	
3	Attendance		%	
	<u>SKY ROOF INSTALLATION</u>			
4	Allow an amount of R15 000,00 (Fifteen Thousand Rand) for the Sky Roof installation	Item		15 000, 0
5	Profit		%	
6	Attendance		%	
	Carried Forward to Summary of Section No. 2		R	
	Section No. 2			
	Bill No. 17			
	PROVISIONAL SUMS			

Bill No	SECTION SUMMARY - BUILDER'S WORKS		Page No		Amount
1	DECANTING		32		
2	ALTERATIONS AND RENOVATIONS		36		
3	EARTHWORKS - PROVISIONAL		39		
4	CONCRETE, FORMWORK AND REINFORCEMENT		42		
5	MASONRY		43		
6	WATERPROOFING		45		
7	ROOF COVERINGS		47		
8	CARPENTRY AND JOINERY		50		
9	FLOOR COVERINGS, PLASTIC LININGS ETC		51		
10	CEILINGS, PARTITIONING AND ACCESS FLOORING		53		
11	IRONMONGERY		54		
12	METALWORK		57		
13	PLASTERING		58		
14	TILING		59		
15	PLUMBING AND DRAINAGE (PROVISIONAL)		60		
16	PAINTWORK		62		
17	PROVISIONAL SUMS		63		
Carried to Final Summary					R
Section No. 2					

Item No		Quantity	Rate	Amount
	<u>SECTION NO.3</u>			
	<u>BILL NO. 1</u>			
	<u>STORMWATER DRAINAGE - (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	The tenderer is referred to the relevant clauses in the Model Preambles for Trades (2017 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill			
	<u>PIPE TRENCHES</u>			
	<u>EXCAVATION</u>			
	<u>Excavation in earth not exceeding 2m deep</u>			
1	Trenches	m3	109	
	<u>Excavation in earth exceeding 2m and not exceeding 4m deep</u>			
2	Trenches	m3	64	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
3	Soft rock	m3	17	
4	Hard rock	m3	9	
	<u>BEDDING AND FILL BLANKET</u>			
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site including haulage, stock pile and compacted</u>			
5	Selected fill in-situ material filling material supplied by the Contractor, and spread, level, water and compact to not less than 95% of the modified AASHTO maximum density, and trim to level	m3	81	
	Carried Forward			
	Section No. 3 Bill No. 1 STORMWATER DRAINAGE		R	

	Brought Forward			R	
	<u>Provision of bedding (class B) from trench excavation</u>				
6	Selected granular material - pipe bedding	m3	29		
7	Selected fill material (blanket)	m3	45		
	<u>PIPES, CULVERTS, ETC</u>				
	<u>Supply, handle, lay, bed, joint precast concrete Class 75 D with ogee joints of the following nominal diameter</u>				
8	450mm dia. Type 100D	m	84		
	<u>MANHOLES</u>				
	<u>Manhole to invert level formed of precast concrete components all bedded and joined with approved watertight joints, the chamber comprising 1000mm internal diameter x 67mm wall thickness rings, the bottom ring set on and including 1230 x 1230mm x 100mm thick 25Mpa/19mm mass concrete base with mesh ref# 395 at 50mm bottom cover and sealed to ring with 75mm wide x 125mm high 20Mpa/19mm mass concrete triangular fillet complete with pre-cast manhole cover and frame with a handed ductile iron lid class D400 cover and frame comprising 125mm thick x 67kg frame and 125mm thick x 66kg cover, complete with and including necessary step irons, 20Mpa/19mm mass concrete benching in bottom with top surface to falls and finish smooth with (1:1) cement plaster, 150mm vitrified clay channels, channel bends, channel junctions, etc. additional excavations and backfilling compacted to 93% modified AASHTO density</u>				
9	0,5m to 1,0m deep	No	2		
10	1,0m to 2,0m deep	No	3		
11	2,0m to 3,0m deep	No	1		
	Carried Forward			R	
	Section No. 3 Bill No. 1 STORMWATER DRAINAGE				

[illegible]

**Development Bank of Southern Africa
KwaZulu-Natal Department of Education
Infrastructure Development and Maintenance Program
Brookdale Primary School**

[illegible]