

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.1</u>				
<u>PRELIMINARIES</u>				
<u>BILL NO 1</u>				
<u>PRELIMINARIES</u>				
<u>BUILDING AGREEMENT AND PRELIMINARIES</u>				
<p>The JBCC Series 2000 Principal Building Agreement (JBCC 2005 4.1 Edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the above mentioned 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 above mentioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p>				
<u>PREAMBLES FOR TRADES</u>				
<p>The Model Preambles for Trades (2008 edition) 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 brevity of description of items fully described in the said Model Preambles will be entertained</p>				
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<p style="text-align: right;">Brought Forward</p> <p>Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should the contractor select Option A in terms of sub-clause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)</p> <p><u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>Definitions</u></p> <p>1 Clause 1.0 - Definitions and interpretation</p> <p>F:..... V:..... T:.....</p> <p><u>Objective and preparations</u></p> <p>2 Clause 2.0 - Offer acceptance and performance obligations</p> <p>F:..... V:..... T:.....</p> <p>3 Clause 3.0 - Documents</p> <p>F:..... V:..... T:.....</p> <p>4 Clause 4.0 - Design responsibility</p> <p>F:..... V:..... T:.....</p> <p>5 Clause 5.0 - Employer's agents</p> <p>F:..... V:..... T:.....</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R	
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6	<p>Clause 6.0 - Contractor's site representative</p> <p>F:..... V:..... T:.....</p>	Item	
7	<p>Clause 7.0 - Compliance with laws and regulations</p> <p>F:..... V:..... T:.....</p> <p>Without limiting the generality of the provisions of clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications</p>	Item	
8	<p>The contractor shall allow for and pay any levies required by the National Home Builders Registration Council (NHBRC). The contractor warrants that he is registered and will maintain registration with the NHBRC for the duration of this agreement</p> <p>F:..... V:..... T:.....</p>	Item	
9	<p>Clause 8.0 - Works risk</p> <p>F:..... V:..... T:.....</p>	Item	
10	<p>Clause 9.0 - Indemnities</p> <p>F:..... V:..... T:.....</p>	Item	
11	<p>Clause 10.0 - General insurances</p> <p>F:..... V:..... T:.....</p>	Item	
12	<p>Clause 11.0 - Special insurances</p> <p>F:..... V:..... T:.....</p>	Item	
13	<p>Clause 12.0 - Effecting insurances</p> <p>F:..... V:..... T:.....</p>	Item	
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14	Clause 13.0 - Assignment F:..... V:..... T:.....	Item	
15	Clause 14.0 - Security F:..... V:..... T:.....	Item	
<u>Execution</u>			
16	Clause 15.0 - Preparation for and execution of the works F:..... V:..... T:.....	Item	
17	Clause 16.0 - Site and access F:..... V:..... T:.....	Item	
18	Clause 17.0 - Contract instructions F:..... V:..... T:.....	Item	
19	Clause 18.0 - Setting out of the works 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. F: V:.....T:.....	Item	
20	Clause 19.0 - Temporary works and plant F:..... V:..... T:.....	Item	
21	Clause 20.0 - Nominated subcontractors F:..... V:..... T:.....	Item	
22	Clause 21.0 - Selected subcontractors F:..... V:..... T:.....	Item	
23	Clause 22.0 - Employer's direct contractors F:..... V:..... T:.....	Item	
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24	Clause 23.0 - Contractor's domestic subcontractors F:..... V:..... T:..... <u>Completion</u>	Item	
25	Clause 24.0 - Practical completion F:..... V:..... T:.....	Item	
26	Clause 25.0 - Works completion F:..... V:..... T:.....	Item	
27	Clause 26.0 - Final completion F:..... V:..... T:.....	Item	
28	Clause 27.0 - Latent defects liability period F:..... V:..... T:.....	Item	
29	Clause 28.0 - Sectional completion F:..... V:..... T:.....	Item	
30	Clause 29.0 - Revision of date for practical completion The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3) F:..... V:..... T:.....	Item	
31	Clause 30.0 - Penalty for late or non-completion F:..... V:..... T:..... <u>Payment</u>	Item	
32	Clause 31.0 - Interim payment Clause 31.6.5 shall be deemed to be deleted Materials and goods stored off site shall not be included in the amount authorised for payment F:..... V:..... T:.....	Item	
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33	<p>Clause 32.0 - Adjustment to the contract value</p> <p>Notwithstanding the provision of clause 32.13 or any other clause, all fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor</p> <p>F:..... V:..... T:.....</p>	Item	
34	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item	
35	<p>Clause 34.0 - Final account and final payment</p> <p>F:..... V:..... T:.....</p>	Item	
36	<p>Clause 35.0 - Payment to other parties</p> <p>F:..... V:..... T:.....</p> <p><u>Termination</u></p>	Item	
37	<p>Clause 36.0 - Termination by employer - contractor's default</p> <p>F:..... V:..... T:.....</p>	Item	
38	<p>Clause 37.0 - Termination by employer - loss and damage</p> <p>F:..... V:..... T:.....</p>	Item	
39	<p>Clause 38.0 - Termination by contractor - employer's default</p> <p>F:..... V:..... T:.....</p>	Item	
40	<p>Clause 39.0 - Termination - cessation of the works</p> <p>F:..... V:..... T:.....</p> <p><u>Dispute</u></p>	Item	
41	<p>Clause 40.0 - Settlement of disputes</p> <p>F:..... V:..... T:.....</p>	Item	
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	<u>Contract agreement</u>		
42	Clause 41.0 - Post tender provisions	Item	
43	Clause 42.0 - Contractual agreement	Item	
	1.0 CONTRACT DATA EMPLOYER - CONTRACTOR		
	The JBCC series 2000 Principal Building Agreement Edition 4.1 Contract Data - Employer to Contractor addendum contains all variables referred to in the Principal Building Agreement that are the responsibility of the Employer to provide the appropriate information that is necessary for the Contractor to complete his tender.		
	1.0 CONTRACTING AND OTHER PARTIES		
	1.1 Employer : Development Bank of South Africa (DBSA)		
	Address : 1258 Lever Rd, Headway Hill, Midrand 1685		
	Telephone : 011 313 3500		
	1.2 Principal Agent: GladAfrica		
	Address: GladAfrica House, Hertford Office , Park, Block G, 2nd & 3rd Floor, 90 Bekker Road, Midrand, 1686		
	Telephone : 011 - 312 2537/2584		
	E-mail : unathin@gladafrica.com		
	1.3 Agent's Service: Architect		
	Agent (2) : Melt Architecture & Construction		
	Address : Crn Heuwel Rd & Lenchen Av Shop 6, Biela Centre, Centurion, 0157		
	Telephone : 012 - 641 4030		
	E-mail : info@meltarch.co.za		
	1.4 Agent's Service: Quantity Surveyor		
	Agent (3) : Matino Cost Engineers		
	Address : 810 Breed Street, 290 Oxford Heights. Pretoria 0182		
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<p style="text-align: right;">Brought Forward</p> <p>Telephone : +27 794 000 495</p> <p>E-mail : martin@matino.co.za</p> <p>1.5 Agent's Service: Civil & Structural Engineers Agent (4): GladAfrica Address : GladAfrica House, Hertford Office , Park, Block G, 2nd & 3rd Floor, 90 Bekker Road, Midrand, 1686</p> <p>1.6 Agent's Service: Electrical Engineers Agent (5): GladAfrica Address : GladAfrica House, Hertford Office , Park, Block G, 2nd & 3rd Floor, 90 Bekker Road, Midrand, 1686</p> <p>1.9 Interest of principal agent or other agents in the project: No</p>			R	
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	2.0 CONTRACT AND SITE INFORMATION		
2.1	Law applicable to this agreement: Republic of South Africa		
2.2	Works Identification: The description hereunder is a general guide only. 1.The scope of the works comprises the repairs, maintenance, and renovations. 2. Storm water drainage 3. Boundary Fence		
2.3	Site Description: The location of the site: Isulompakhathi Primary School in Richard Bay area Coordinates:		
2.4	Possession of the site is intended to be given on: 01st March 2023		
2.5	Period for the commencement of the works after the contractor takes possession of the site: 1 Working Day		
2.6	Completion of the works in sections is required: Yes (To be advised working with SGB, Principal and Principal Agent)		
2.7	Waiver of the contractor's lien or right of continuing possession is required: N/A		
2.8	Defined restrictions to the site area: Yes As detailed and noted in the Bills of Quantities.		
2.9	Geotechnical investigation of the site has been undertaken: N/A		
2.10	Existing premises will be occupied: Yes As stated and noted in the Bill of Quantities.		
2.11	Provision of temporary services is required: Yes 2.11.1 Water: Option B 2.11.2 Electricity: Option B 2.11.3 Telecom: Option A 2.11.4 Ablutions Option B		
2.12	Protection of existing trees and shrubs is required: Yes		
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<p style="text-align: right;">Brought Forward</p> <p>3.0 INSURANCES AND SECURITIES</p> <p>3.1 Contract works insurance to be effected by: CONTRACTOR For the sum of: Contract value +10% With a deductible of: R nil</p> <p>3.2 Supplementary/Special insurance required: No</p> <p>3.3 Public liability insurance to be effected by: CONTRACTOR For the amount of: R 5,000,000.00 With a deductible of: R. Nil</p> <p>3.4 Support insurance required: No</p> <p>3.5 Special insurance required: No</p> <p>4.0 PRACTICAL COMPLETION DATES AND PENALTIES</p> <p>4.1 For the works as a whole: The date for practical completion: 29th October 2023</p> <p>Penalty per calendar day: 0.04% of the Contract Value</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>			<p>R</p>	
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5.0 DOCUMENTS AND GENERAL**5.1** Construction document copies to be supplied to theContractor free of charge: **3 (THREE)**Thereafter all drawings and documents will issued
electronically**5.2** The priced document may be used as a
specification of materials and goods and work
methods: **No****5.3** The contractor shall provide a schedule of rates: **No****5.4** Changes made to JBCC standard documents: **Refer
to the Tender document****5.5** On acceptance of the tender the priced document is
to be submitted within:**5 Working Days****5.6** Work to be undertaken by direct contractors: **No**The Employer reserves the right to appoint any
person to perform any works what-so-ever on the
site.

The definable works items are:

1. Maintenance, repairs and renovations of all
building blocks
2. Stormwater Drainage
3. Supply and install boundary security fence

5.7 On achievement of practical completion the
contractor is to hand over manuals, etc. related to
the works:

- (1) Electrical certificate
- (2) All compliance Certificates

5.8 Interim payment certificate to be issued by:
To be agreed**6.0 CHANGES MADE TO THE STANDARD JBCC
DOCUMENT**Changes made to the standard JBCC document: Not
Applicable**CONTRACT DATA CONTRACTOR - EMPLOYER**

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The JBCC series 2000 Principal Building Agreement Edition 4.1, Contract Data - Contract to Employer addendum contains all variable referred to in the Principal Building Agreement that are the responsibility of the Contractor to provide the appropriate information that is necessary for the Contractor to complete his tender.

3.0 PAYMENT AND ADJUSTMENT OF PRELIMINARIES**3.1 & 3.2.5 Payment of Preliminaries:**

The payment of preliminaries shall be according to the option selected by the contractor. The amount included in each monthly payment certificate in respect of preliminaries as stated in the contract data shall be:

Option A or B

3.2.1 - 2 & 3.2.6 Adjustment of Preliminaries:

Option A or B

3.2.3 Payment certificate cash flow:

The Contractor shall provide all reasonable assistance to the principal agent in preparation of cash flow projections of claims for payment certificates where required by the employer. The projections shall be based on the programme and shall be updated as and when the programme requires updating.

3.2.4 The contract value shall be adjusted according CPAP: No (Fixed Contract)**5.0 THE TENDER**

5.1 This is to be submitted to the Employer at the street address provided in the invitation to tender before the tender closing date and time stated therein.

5.2 By the submission of the tender to the Employer The Tenderer offers and agrees to the contract for, execute and complete the works for the tender sum stated.

5.3 Tenders will be opened in public directly after the the stated closing time. Only the total tender sum as stated in each tender will be announced.

5.4 The lowest or any tender will not necessarily be accepted.

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<p>5.5 The Tender will remain in full legal force for thirty (90) calendar days. The Tenderer accepts liability for damages as may be suffered by the employer should the tender validity period not be honoured.</p> <p>5.6 This tender takes into account all listed items [4.0] for the purpose of preparing and submitting this tender.</p> <p>5.7 The successful tenderer will be appointed in terms of the JBCC Principal Building Agreement.</p> <p><u>SECTION B - PRELIMINARIES</u></p> <p><u>Definitions and interpretation</u></p>			
44	<p>Clause 1.0 - Definitions and interpretation</p> <p>F:..... V:..... T:.....</p> <p><u>Documents</u></p>	Item	
45	<p>Clause 2.1 - Checking of documents</p> <p>F:..... V:..... T:.....</p>	Item	
46	<p>Clause 2.2 - Provisional bills of quantities</p> <p>These bills of quantities are provisionally measured and the subsequent trades are budgetary allowances</p> <p>F:..... V:..... T:.....</p>	Item	
47	<p>Clause 2.3 - Availability of construction documentation - Yes</p> <p>F:..... V:..... T:.....</p> <p><u>Previous work and adjoining properties</u></p>	Item	
48	<p>Clause 3.1 - Previous work - dimensional accuracy</p> <p>F:..... V:..... T:.....</p>	Item	
49	<p>Clause 3.2 - Previous work - defects</p> <p>F:..... V:..... T:.....</p>	Item	
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50	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item	
51	Interests of agents (B2.4) F:..... V:..... T:.....	Item	
52	Priced documents (B2.5) F:..... V:..... T:.....	Item	
53	Tender submission (B2.6) F:..... V:..... T:.....	Item	
<u>Management of contract (B4)</u>			
54	Management of the works (B4.1) F:..... V:..... T:.....	Item	
55	Programme for the works (B4.2) F:..... V:..... T:.....	Item	
56	Progress meetings (B4.3) F:..... V:..... T:.....	Item	
57	Technical meetings (B4.4) F:..... V:..... T:.....	Item	
58	Labour and Plant records (B4.5) F:..... V:..... T:.....	Item	
<u>Samples, shop drawings and manufacturer's instructions</u>			
59	Clause 4.1 - Samples of materials F:..... V:..... T:.....	Item	
60	Clause 4.2 - Workmanship samples F:..... V:..... T:.....	Item	
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61	Clause 4.3 - Shop drawings F:..... V:..... T:.....	Item	
62	Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
<u>Deposits and fees</u>			
63	Clause 5.1 - Deposits and fees F:..... V:..... T:.....	Item	
64	Enclosure of the works (B6.2) F:..... V:..... T:.....	Item	
65	Advertising (B6.3) F:..... V:..... T:.....	Item	
66	Plant, equipment, sheds and offices (B6.4) F:..... V:..... T:.....	Item	
67	Main notice board (B6.5) F:..... V:..... T:.....	Item	
68	Subcontractors' notice board (B6.6) F:..... V:..... T:.....	Item	
<u>Temporary services</u>			
69	Clause 6.1 - Water F:..... V:..... T:.....	Item	
70	Clause 6.2 - Electricity F:..... V:..... T:.....	Item	
71	Clause 6.3 - Telecommunication facilities F:..... V:..... T:.....	Item	
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72	Clause 6.4 - Ablution facilities F:..... V:..... T:..... <u>Prime cost amounts</u>	Item	
73	Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:..... <u>Attendance on N/S Subcontractors (B9)</u>	Item	
74	General attendance (B9.1) <u>Special attendance on n/s subcontractors</u>	Item	
75	Clause 8.1 - Special attendance F:..... V:..... T:..... <u>Financial aspects (B10)</u>	Item	
	Statutory taxes, duties and levies (B10.1) F:..... V:..... T:.....	Item	
76	Payment of preliminaries (B10.2) Option [A] / [B] shall apply	Item	
77	Adjustment of preliminaries (B10.3) F:..... V:..... T:.....	Item	
78	Payment certificate cash flow (B10.4) F:..... V:..... T:..... <u>General</u>	Item	
79	Clause 9.1 - Protection of the works F:..... V:..... T:.....	Item	
80	Clause 9.2 - Protection/isolation of existing/sectionally occupied works F:..... V:..... T:.....	Item	
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81	Clause 9.3 - Security of the works F:..... V:..... T:.....	Item	
82	Clause 9.4 - Notice before covering work F:..... V:..... T:.....	Item	
83	Clause 9.5 - Disturbance F:..... V:..... T:.....	Item	
84	Clause 9.6 - Environmental disturbance F:..... V:..... T:	Item	
85	Clause 9.7 - Works cleaning and clearing F:..... V:..... T:.....	Item	
86	Clause 9.8 - Vermin F:..... V:..... T:.....	Item	
87	Clause 9.9 - Overhand work F:..... V:..... T:.....	Item	
88	Instruction manuals and guarantees (B11.10) F:..... V:..... T:.....	Item	
89	As built information (B11.11) F:..... V:..... T:.....	Item	
90	Tenant Installations (B11.12) F:..... V:..... T:.....	Item	
<u>Schedule of variables</u>			
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 no specific requirements are expected or that the clause is not relevant to this specific contract			
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10.1 - Provisional bills of quantities [clause 2.2] The quantities are provisional Yes			
10.2 - Availability of construction documentation [clause 2.3] Construction documentation is complete Yes			
10.3 - Previous work - dimensional accuracy [clause 3.1] N/A			
10.4 Interest of agents (B2.4) NO			
10.5 Defined works area (B3.1) 1. Maintenance, repairs and renovation of all building blocks 2. Stormwater drainage 3. Boundary Security fencing and gates.			
10.6 Geotechnical investigation (B3.2) N/A			
10.7 Existing premises occupied (B3.4) Yes			
10.8 Previous work - dimensional accuracy (B3.4) N/A			
10.9 Previous work - defects [clause 3.2] N/A			
10.10 Services - known (B3.7) NO - Tenderer must allow for investigation of the correct location where needed.			
10.11 Protection of trees (B3.9) YES			
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10.12	Inspection of adjoining properties [clause 3.3]	
	YES	
10.13	Enclosure of the works (B6.2)	
	YES	
10.14	Offices (B6.4.3)	
	YES	
10.15	Main notice board (B6.5)	
	YES, as per the Architect Design	
10.16	Subcontractors notice board (B6.6)	
	A notice board is not required	
	No	
10.17	- Water [clause 7.2]	
	Option A (by Contractor)	YES
10.18	- Electricity [clause 7.3]	
	Option A (by Contractor)	YES
10.19	- Telecommunications [clause 7.4]	
	Telkom/Cell (by Contractor)	YES
10.20	- Ablution facilities [clause 7.5]	
	Option A (by Contractor)	YES
10.21	- Protection of the works [clause 9.1]	
10.22	-Protection/isolation of existing/sectionally occupied works [clause 9.2]	
	Protection/isolation is required	
10.23	- Disturbance [clause 9.5]	
10.24	- Environmental disturbance [clause 9.6]	
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Post tender information (B12.2)

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| 10.25 | Payment of preliminaries
Alternative selected: A and or B |
| 10.26 | Adjustment of preliminaries
Alternative selected: A |
| 10.27 | Additional agreed preliminaries items |

SECTION C - SPECIFIC PRELIMINARIES

91 | **Site instructions**

Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor

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

Item

92 Warranties for material and workmanship

Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, 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 warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion 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 to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor

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93	Co-operation of contractor for cost management It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors F:..... V:..... T:.....		Item	
94	Propping of floors below The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:..... T:.....		Item	
95	Agreement: Code of conduct for Contractors The Contractor must comply with the agreement: Code of Conduct for Contractors, as per Client requirements F:..... V:..... T:.....		Item	
96	Rules and Regulations The Contractor must comply with the Rules and Regulations (as per Client's requirements) F:..... V:..... T:.....		Item	
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	Brought Forward			R
97	<p><u>LOCAL LABOUR</u></p> <p>It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate labour not be available within the locality, other may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour. The Contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilization of local labour in the construction process. In this regard, the Contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The Contractor shall, in general, maximize the involvement of the local community.</p> <p>F:..... V:..... T:.....</p>	Item		
98	<p><u>COMMUNITY LIAISON OFFICER</u></p> <p>Allow for the sum of (R10.000.00 per month) for community Liaison Officer.</p>	Item		
99	<p><u>LABOUR RECORD</u></p> <p>At the end of each week the contractor shall provide the principal agent with written record, in schedule form, reflecting the number and description of tradesmen and labours employed by him and all subcontractors on each day.</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward			R
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>			

	Brought Forward			R
100	<u>C13 HIV/AIDS Awareness</u> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (HIV 1 to HIV 4) of the Department of Public Works, which must be read together with and is deemed to be incorporated under this section of the Bills of Quantities. Provision for pricing of HIV/AIDS awareness is made under C13.1 to C13.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained</p> <p>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the</p> <p>F:..... V:..... T:.....</p>			
		Item		
101	C13.1 Awareness Champion <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification.</p> <p>F..... V..... T.....</p>			
		Item		
102	C13.3 Posters, Booklets, Videos, etc. <p>Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the</p> <p>F..... V..... T.....</p>			
		Item		
103	C13.4 Access to condoms <p>Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenish male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification.</p> <p>F..... V..... T.....</p>			
		Item		
	Carried Forward			R
	Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward			R
104	C13.5 Monitoring Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period, all in accordance with the HIV/AIDS Specification. F..... V..... T.....		Item	
105	C14 Occupational Health and Safety Act No. 85 of 1993 Bidders are to allow for costs in providing a "Construction Phase Safety, Health and Environmental Plan". Bidders are further reminded that it is their responsibility to amend their safety plan if the assessed risk of the work changes in the slightest manner. F..... V..... T.....		Item	
	<u>SUMMARY OF CATEGORIES</u> Category : Fixed R..... Category : Value R..... Category : Time R.....			
	Carried to Final Summary			R
	Section No. 1 Bill No. 1 Preliminaries			

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.2</u>				
	<u>BLOCK A - GUARD HOUSE</u>				
	<u>BILL NO.1</u>				
	<u>ALTERATIONS AND DEMOLITIONS</u>				
	<u>PREAMBLES</u>				
	<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Damage and Repairs to Services</u>				
	<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
	<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
	<u>Disposal of Materials</u>				
	<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
	Carried Forward			R	
	<p>Section No. 2 Bill No. 1 Alterations and Demolitions</p>				

<p style="text-align: center;">Brought Forward</p> <p>If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.</p> <p>All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.</p> <p>The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.</p> <p>Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.</p> <p><u>Old Materials to become the property of the contractor.</u></p> <p>Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.</p> <p><u>Old Materials to be carted away:</u></p> <p>Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 1 Alterations and Demolitions</p>	<p style="text-align: center;">R</p>
	<p style="text-align: center;">R</p>

Brought ForwardHandling over of materials

Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof.

The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.

TEMPORARY BARRIERS, SCREENS, ETC.**Temporary barriers, screens, etc. and including removal**

- 1 Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site

Item

REMOVAL OF EXISTING WORK**Taking down and removing roofs, floors, panelling, ceilings, partitions, etc**

- 2 RhinoBoard ceiling, including cornices, timber bandering, etc.

m2

6

Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings

- 3 Vinyl tile floor covering

m2

6

Taking out and removing sundry joinery work

- 4 Timber skirtings from brickwork

m

9

Carried Forward

R

Section No. 2

Bill No. 1

Alterations and Demolitions

Brought Forward				
<u>Taking out and removing doors, ironmongery</u>				
5	Timber single door including ironmongery	No	1	
<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
<u>'Sika repair system' or similar approved</u>				
6	Repair concrete surface with SIKa monotop 615 on SIKa monotop primer, then seal with SIKAFLEX, as per manufacturer's specification	m2	6	
<u>MAKING GOOD OF FINISHES, ETC.</u>				
<u>Making good</u>				
7	Make good affected 100mm thick surface beds and screed to floors (<i>Guard House</i>)	m2	6	
Carried Forward to Summary of Section No. 2				
Section No. 2				
Bill No. 1				
Alterations and Demolitions				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.2</u> <u>BLOCK A - GUARD HOUSE</u> <u>BILL NO.2</u> <u>ROOF COVERINGS. ETC.</u> <u>PREAMBLES</u> The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill. <hr/> (CPAP WORK GROUP NO. 124) unless otherwise stated <u>SERVICE. REPAIRS. ETC. TO EXISTING WORKS</u> <u>Service, repair and make good existing roof coverings</u>				
1	Service and make good the existing roof coverings including refixing roof sheets with new galvanised screws, patching all roof leaks with derbigum and leave roof in fully functional state for end user. (Provisional) (All leaking roofs iBlocks B, C and D)	m2	6		
	Carried Forward to Summary of Section No. 2 Section No. 2 Bill No. 2 Roof Coverings			R	

Item No	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.2</u></p> <p><u>BLOCK A - GUARD HOUSE</u></p> <p><u>BILL NO.3</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 separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing:</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.</p> <p>Fixing brackets to be hot dipped galvanised where items not specifically mentioned.</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u></p> <p><u>DOORS, ETC</u></p> <p>Refer to Architectural door schedule.</p>				
Carried Forward				R
<p>Section No. 2</p> <p>Bill No. 3</p> <p>Carpentry and Joinery</p>				

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.2</u>				
<u>BLOCK A - GUARD HOUSE</u>				
<u>BILL NO.4</u>				
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
<u>PREAMBLES</u>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<u>CEILINGS, ETC.</u>				
<u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u>				
<u>NAILED-UP CEILINGS</u>				
Carried Forward				R
Section No. 2 Bill No. 4 Ceilings, Partitions and Access Flooring				

Brought Forward				R
<u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u>				
1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	6	
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1	
<u>"Rhino" gypsum plasterboard cornices</u>				
3	75mm Coved cornices	m	9	
<u>"Isotherm" insulation</u>				
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	6	
Carried Forward to Summary of Section No.				
2				R
Section No. 2				
Bill No. 4				
Ceilings, Partitions and Access Flooring				

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO.2</u></p> <p><u>BLOCK A - GUARD HOUSE</u></p> <p><u>BILL NO.5</u></p> <p><u>FLOOR COVERINGS. PLASTIC LININGS. ETC.</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</p> <p><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></p> <p><u>FLOOR COVERINGS</u></p> <p><u>VINYL FLOOR COVERINGS</u></p> <p><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></p>				
1	On floors	m2	6		
	<p><u>POLISH. SEALERS. ETC</u></p>				
2	Three coats waterbased sealer on vinyl flooring.	m2	6		
	<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Bill No. 5 Floor Coverings</p>			R	

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BLOCK A - GUARD HOUSE</u> <u>BILL NO.6</u> <u>IRONMONGERY</u> <u>PREAMBLES</u> The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u> <u>LOCKS</u> <u>"Dorma" or similar approved</u> 1 "Ref 390/313" four-lever mortice lockset	No	1		
	<u>SUNDRIES</u> 2 38mm Diameter rubber door stop plugged	No	1		
	<u>KEY TAGS</u> 3 28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	1		
	4 Approved standard stainless steel key rings	No	1		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 6 Ironmongery				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO. 2</u> <u>BLOCK A - GUARD HOUSE</u> <u>BILL NO.7</u> <u>GLAZING</u> <u>PREAMBLES</u> The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u> <u>GLAZING TO STEEL WITH PUTTY</u> <u>6mm Clear float glass</u>				
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	3		
	Carried Forward to Summary of Section No. 2 Section No. 2 Bill No. 7 Glazing			R	

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.2</u> <u>BLOCK A - GUARD HOUSE</u> <u>BILL NO.8</u> <u>PLUMBING AND DRAINAGE</u> <u>PREAMBLES</u> The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>FIRE APPLAINCES. ETC</u> <u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u>				
1	4.5kg Dry chemical powder portable fire extinguisher	No	1		
2	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall.	No	1		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 8 Plumbing and Drainage				

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.2</u>				
<u>BLOCK A - GUARD HOUSE</u>				
<u>BILL NO.9</u>				
<u>PAINTWORK</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>PAINT SPECIFICATIONS</u>				
<p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p>				
<p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p>				
<p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p>				
<p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p>				
<p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p>				
<p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
Carried Forward			R	
<p>Section No. 2 Bill No. 9 Paintwork</p>				

Brought Forward			R
<u>COLOURS</u> Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091 <u>(CPAP WORK GROUP NO. 152) unless otherwise stated</u> <u>PAINTWORK ETC.</u> <u>ON INTERNAL FLOATED PLASTER SURFACES</u> <u>Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:</u>			
1	On internal walls	m2	25
2	External walls	m2	25
<u>ON PLASTERBOARD</u> <u>Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:</u>			
3	On ceilings and cornices.	m2	6
<u>ON METAL</u> <u>Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:</u>			
4	On door frames	m2	4
5	On gates	m2	3
<u>ON WOOD</u>			
Carried Forward			R
Section No. 2 Bill No. 9 Paintwork			

Brought Forward

Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:

6	On doors
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m2

3

ON FIBRE-CEMENT

Apply Plascon meit plaster primer and two coats Plascon Velvagro Polyurethane Enamel paint.

7	Fascias and barge boards.
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m

5

Carried Forward to Summary of Section No.

2

Section No. 2
Bill No. 9
Paintwork

R

Bill No	SECTION SUMMARY - BLOCK A - GUARD HOUSE	Page No	Amount
1	Alterations and Demolitions	28	
2	Roof Coverings	29	
3	Carpentry and Joinery	31	
4	Ceilings, Partitions and Access Flooring	33	
5	Floor Coverings	34	
6	Ironmongery	35	
7	Glazing	36	
8	Plumbing and Drainage	37	
9	Paintwork	40	
Carried to Final Summary			R
Section No. 2			

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u>				
<u>BLOCK B - 3NO CLASSROOM BLOCK</u>				
<u>BILL NO.1</u>				
<u>ALTERATIONS AND DEMOLITIONS</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Damage and Repairs to Services</u>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p> <p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<u>Disposal of Materials</u>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
Carried Forward			R	
<p>Section No. 3 Bill No. 1 Alterations and Demolitions</p>				

Brought Forward

R

If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.

All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.

The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.

Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.

Old Materials to become the property of the contractor.

Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.

Old Materials to be carted away:

Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.

Carried Forward

R

Section No. 3
Bill No. 1
Alterations and Demolitions

Brought Forward		R	
<u>Handling over of materials</u>			
Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof.			
The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.			
<u>TEMPORARY BARRIERS, SCREENS, ETC.</u>			
<u>Temporary barriers, screens, etc. and including removal</u>			
1	Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site	Item	
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
2	RhinoBoard ceiling, including cornices, timber bandering, etc	m2	175
<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u>			
3	Vinyl tile floor covering	m2	175
<u>Taking out and removing doors, windows, etc and prepare openings to receive new doors, etc. and make good brickwork and plaster to one brick walls:</u>			
4	812 x 2032mm High timber single doors including timber frame, ironmongery, etc	No	3
Carried Forward		R	
Section No. 3			
Bill No. 1			
Alterations and Demolitions			

Brought Forward			R
<u>Taking out and removing sundry joinery work</u>			
5	Timber skirtings from brickwork	m	102
<u>Taking up and remove damaged fascia board</u>			
6	Fascia boards and barge boards	m	66
<u>Remove existing chalkboard</u>			
7	Chalkboard	No	3
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>'Sika repair system' or similar approved</u>			
8	Repair concrete surface with SIKA monotop 615 on SIKA monotop primer, then seal with SIKAFLEX, as per manufacture's specification	m2	175
<u>MAKING GOOD OF FINISHES. ETC.</u>			
<u>Making good</u>			
9	Make good screed to floors to receive new floor coverings (elsewhere)	m2	175
Carried Forward to Summary of Section No.			
3			R
Section No. 3			
Bill No. 1			
Alterations and Demolitions			

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u>				
<u>BLOCK B - 3NO CLASSROOM BLOCK</u>				
<u>BILL NO.2</u>				
<u>ROOF COVERINGS. ETC.</u>				
<u>PREAMBLES</u>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<hr/>				
<u>(CPAP WORK GROUP NO. 124) unless otherwise stated</u>				
<u>SERVICE. REPAIRS. ETC. TO EXISTING WORKS</u>				
<u>Service, repair and make good existing roof coverings</u>				
1	Service and make good the existing roof coverings including refixing roof sheets with new galvanised screws, patching all roof leaks with derbigum and leave roof in fully functional state for end user. (Provisional) <i>(All leaking roofs iBlocks B, C and D)</i>	m2	196	
Carried Forward to Summary of Section No.				
3				R
Section No. 3				
Bill No. 2				
Roof Coverings				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.3</u> <u>BLOCK B - 3NO CLASSROOM BLOCK</u> <u>BILL NO.3</u> <u>CARPENTRY AND JOINERY</u> <u>PREAMBLES</u> The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u> <u>EAVES. VERGES. ETC</u> <u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia jointers</u>				
1	12 x 225mm Fascia boards, including aluminium H-profile fascia joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 041-203 and 685-195)	m	47		
	<u>"Everite Nutech" Fibre-cement socketless barge boards</u>				
2	10 x 80 x 225mm Barge boards including aluminium H-profile barge joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 721-800)	m	19		
	<u>DOORS. ETC.</u> <u>SOLID DOORS</u>				
	Carried Forward			R	
	Section No. 3 Bill No. 3 Carpentry and Joinery				

Brought Forward			
<u>"Saligna Blaco"</u>			
3	40mm Framed ledged and braced batten door 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	3
<u>SKIRTINGS</u>			
<u>Wrought meranti</u>			
4	19 x 76mm Skirtings with 19mm quadrant bead, plugged	m	102
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 3			
Carpentry and Joinery			

Item No	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.3</u></p> <p><u>BLOCK B - 3NO CLASSROOM BLOCK</u></p> <p><u>BILL NO.4</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 separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be 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 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>CEILINGS. ETC.</u></p> <p><u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u></p> <p><u>NAILED-UP CEILINGS</u></p>				
Carried Forward			R	
<p>Section No. 3</p> <p>Bill No. 4</p> <p>Ceilings, Partitions and Access Flooring</p>				

Brought Forward				R
<u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u>				
1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	175	
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	2	
<u>"Rhino" gypsum plasterboard cornices</u>				
3	75mm Coved cornices	m	102	
<u>"Isotherm" insulation</u>				
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	175	
Carried Forward to Summary of Section No. 3				
Section No. 3				
Bill No. 4				
Ceilings, Partitions and Access Flooring				

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO.3</u></p> <p><u>BLOCK B - 3NO CLASSROOM BLOCK</u></p> <p><u>BILL NO.5</u></p> <p><u>FLOOR COVERINGS. PLASTIC LININGS. ETC.</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</p> <p><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></p> <p><u>FLOOR COVERINGS</u></p> <p><u>VINYL FLOOR COVERINGS</u></p> <p><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></p>				
1	On floors	m2	175		
	<p><u>POLISH. SEALERS. ETC.</u></p>				
2	Three coats water based sealer on vinyl flooring.	m2	175		
	<p>Carried Forward to Summary of Section No. 3</p> <p>Section No. 3 Bill No. 5 Floor Coverings</p>			R	

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.3</u> <u>BLOCK B - 3NO CLASSROOM BLOCK</u> <u>BILL NO.6</u> <u>IRONMONGERY</u> <u>PREAMBLES</u> The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u> <u>LOCKS</u> <u>"Dorma" or similar approved</u> 1 "Ref 390/313" four-lever mortice lockset	No	3		
	<u>SUNDRIES</u> 2 38mm Diameter rubber door stop plugged	No	3		
	<u>KEY TAGS</u> 3 28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	3		
	4 Approved standard stainless steel key rings	No	3		
	<u>WRITING BOARDS. ETC</u> <u>"Parrot" or equal approved</u> 5 Model 2203 white vitreous enamelled wall mounted white board 2400 x 900mm high complete with aluminium pen rail etc fixed to brickwork or partition system (Magnetic)	No	3		
	<u>PINNING BOARD</u>				
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 3 Bill No. 6 Ironmongery</p>				
					R

Brought Forward			
<u>EP09 Floortime domestic pinning boards fixed to brickwall strictly in accordance to manufacturer's instructions</u>			
6	2400 x 1200mm high pinning board fixed 900mm above finished floor level	No	3
<u>CHALKBOARDS</u>			
<u>Green chalkboard to comply with CKS-38-1980 complete with chalk rail fixed in accordance with the manufacturers specifications</u>			
7	4800 x 1140mm high Chalkboard	No	3
Carried Forward to Summary of Section No. 3			R
Section No. 3 Bill No. 6 Ironmongery			

Item No	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.3</u></p> <p><u>BLOCK B - 3NO CLASSROOM BLOCK</u></p> <p><u>BILL NO.7</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<p><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6mm Clear float glass</u></p>				
1	m2	5		
<p>Panes exceeding 0,1m2 and not exceeding 0,5m2</p>				
<p>Carried Forward to Summary of Section No. 3</p>				R
<p>Section No. 3 Bill No. 7 Glazing</p>				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.3</u>				
	<u>BLOCK B - 3NO CLASSROOM BLOCK</u>				
	<u>BILL NO.8</u>				
	<u>PLUMBING AND DRAINAGE</u>				
	<u>PREAMBLES</u>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>RAINWATER DISPOSAL</u>				
	<u>0.6mm Chromadek seamless gutters and rainwater pipes</u>				
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	46		
2	Extra over gutter for stopped end	No	4		
3	75 x 100mm Diameter rainwater pipes	m	11		
4	Extra over gutter for outlet for 100 x 75mm pipe	No	4		
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection.	No	4		
	<u>FIRE APPLAINCES. ETC</u>				
	<u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u>				
6	4.5kg Dry chemical powder portable fire extinguisher	No	1		
7	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall.	No	1		
	Carried Forward to Summary of Section No.				
	3				
	Section No. 3				
	Bill No. 8				
	Plumbing and Drainage				
				R	

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.3</u>				
<u>BLOCK B - 3NO CLASSROOM BLOCK</u>				
<u>BILL NO.9</u>				
<u>PAINTWORK</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>PAINT SPECIFICATIONS</u>				
<p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p>				
<p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p>				
<p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p>				
<p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p>				
<p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p>				
<p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
Carried Forward			R	
<p>Section No. 3 Bill No. 9 Paintwork</p>				

Brought Forward

COLOURS

Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091

(CPAP WORK GROUP NO. 152) unless otherwise stated

PAINTWORK ETC.**ON INTERNAL FLOATED PLASTER SURFACES**

Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:

1	On internal walls	m2	287
2	External walls	m2	171

ON PLASTERBOARD

Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:

3	On ceilings and cornices	m2	175
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ON METAL

Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:

4	On door frames	m2	4
5	On gates	m2	10
6	On Windows	m2	30

ON WOOD

Carried Forward

R

Section No. 3
Bill No. 9
Paintwork

Brought Forward				
<u>Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:</u>				
7	On doors	m2	10	
8	On Skirting	m	102	
<u>ON FIBRE-CEMENT</u>				
<u>Apply Plascon meit plaster primer and two coats Plascon Velvaglo Polyurethane Enamel paint.</u>				
9	Fascias and barge boards.	m	66	
Carried Forward to Summary of Section No.				
3				R
Section No. 3				
Bill No. 9				
Paintwork				

SECTION SUMMARY - BLOCK B - 3NO CLASSROOM BLOCK			Page No	Amount
Bill No				
1	Alterations and Demolitions		45	
2	Roof Coverings		46	
3	Carpentry and Joinery		48	
4	Ceilings, Partitions and Access Flooring		50	
5	Floor Coverings		51	
6	Ironmongery		53	
7	Glazing		54	
8	Plumbing and Drainage		55	
9	Paintwork		58	
Carried to Final Summary				R
Section No. 3				

Item No	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.4</u></p> <p><u>BLOCK C - 6NO CLASSROOM AND ADMINISTRATION</u></p> <p><u>BILL NO.1</u></p> <p><u>ALTERATIONS AND DEMOLITIONS</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Damage and Repairs to Services</u></p> <p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p> <p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p> <p><u>Disposal of Materials</u></p> <p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
Carried Forward				R
<p>Section No. 4</p> <p>Bill No. 1</p> <p>Alterations and Demolitions</p>				

Brought Forward

If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.

All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.

The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.

Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.

Old Materials to become the property of the contractor.

Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.

Old Materials to be carted away:

Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.

Carried Forward

Section No. 4
Bill No. 1
Alterations and Demolitions

R

Brought ForwardHandling over of materials

Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof.

The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.

TEMPORARY BARRIERS, SCREENS, ETC.**Temporary barriers, screens, etc. and including removal**

- 1 Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site

Item

REMOVAL OF EXISTING WORK**Taking down and removing roofs, floors, panelling, ceilings, partitions, etc**

- 2 RhinoBoard ceiling, including cornices, timber bandering, etc

m2

553

Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings

- 3 Vinyl tile floor covering

m2

553

Taking out and removing doors, windows, etc and prepare openings to receive new doors, etc. and make good brickwork and plaster to one brick walls:

- 4 812 x 2032mm High timber single doors including timber frame, ironmongery, etc

No

5

Carried Forward

R

Section No. 4

Bill No. 1

Alterations and Demolitions

Brought Forward			
<u>Taking out and removing sundry joinery work</u>			
5	Timber skirtings from brickwork	m	93
<u>Taking up and remove damaged fascia board</u>			
6	Fascia boards and barge boards	m	58
<u>Remove existing chalkboard</u>			
7	Chalkboard	No	3
<u>Removal of timber roof structure composed of purlins, trusses wall plates, etc. complete and prepare to receive new roof structure</u>			
8	Roof structure overall size 22400mm long x 10600mm x 3500mm pitched roof less than 25 degrees	No	1
<u>Remove existing chalkboard</u>			
9	Chalkboard	No	3
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>'Sika repair system' or similar approved</u>			
10	Repair concrete surface with SIKA monotop 615 on SIKA monotop primer, then seal with SIKAFLEX, as per manufacture's specification	m2	341
<u>MAKING GOOD OF FINISHES. ETC.</u>			
<u>Making good</u>			
11	Make good screed to floors to receive new floor coverings (elsewhere)	m2	553
Carried Forward to Summary of Section No.			
4			
Section No. 4			
Bill No. 1			
Alterations and Demolitions			

R

5	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including steel straining wires at not exceeding 400mm centres and double sided tape at edges where required
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581

4

R

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO.4</u></p> <p><u>BLOCK C - 6NO CLASSROOM AND ADMINISTRATION</u></p> <p><u>BILL NO.3</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 separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing:</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.</p> <p>Fixing brackets to be hot dipped galvanised where items not specifically mentioned.</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u></p> <p><u>ROOFS ETC</u></p> <p><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION, ETC.</u></p>				
	Carried Forward			R	
	<p>Section No. 4</p> <p>Bill No. 3</p> <p>Carpentry and Joinery</p>				

Brought Forward			R
<u>SUPPLEMENTARY PREAMBLES</u>			
Tenderers are to make allowance in their rates for additional expenses in regard to treatment of timber against insect pest affecting softwood fixed permanently in the building			
The design of prefabricated roof trusses, bracings and secondary members forming part of the total timber roof construction shall be prepared by a professional structural engineer- Truss System Engineer			
A copy of letter reference TR1 and TR2 must be completed and signed by the Truss System Engineer and submitted to the Architect			
The tenderer is to allow in his rates for the roof trusses for the design, manufacture, supply, hoisting and fixing of the roof trusses and permanent bracings, any necessary temporary bracing, and for the costs of all inspections by the Truss System Engineer			
Roof pitch is to be 17.5 degrees			
Ceilings are 6.0mm Gypsum on 38 x 38mm brandering at 400 c/c			
The dimensions in the description of the trusses are nominal and actual measurements are to be obtained from the Architect/Engineers and or taken on site before design or fabrication.			
<u>Sawn treated softwood grade V4</u>			
1	Roof construction to double pitched roof 22400mm long x 10600mm x 3500mm wide x 1750mm high (17.5 degrees pitch) with 600mm overhang on both sides including trusses, runners, bracings etc (all plates, purlins hurricane clips, elsewhere measured).	No	1
2	38 x 114mm Wall plates	m	51
3	38 x 228mm Gangboards	m	33
4	50 x 76mm Purlins	m	403
5	Extra over for 300mm long wrought end to purlins	No	24
6	76 x 76mm Splayed purlins	m	24
Carried Forward			R
Section No. 4 Bill No. 3 Carpentry and Joinery			

Brought Forward				
7	Supply Performance certificate to certify that the roof has been constructed and erected in accordance with approved design (TR1 and TR2 Certificates)		Item	
	<u>Sundries</u>			
8	Two coats "ABE provonite" paint on exposed roof timbers and wall plates.	m2	10	
9	"Teco" two way hurricane clips	No	220	
	<u>EAVES. VERGES. ETC</u>			
	<u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia jointers</u>			
10	12 x 225mm Fascia boards, including aluminium H-profile fascia joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 041-203 and 685-195)	m	51	
	<u>"Everite Nutech" Fibre-cement socketless barge boards</u>			
11	10 x 80 x 225mm Barge boards including aluminium H-profile barge joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 721-800)	m	7	
	<u>DOORS. ETC.</u>			
	Refer to Architectural door schedule.			
	<u>"Saligna Blaco"</u>			
12	40mm Framed ledged and braced batten door 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	5	
	<u>SKIRTINGS</u>			
	<u>Wrought meranti</u>			
13	19 x 76mm Skirtings with 19mm quadrant bead, plugged.	m	93	
	Carried Forward to Summary of Section No.			
	4			R
	Section No. 4			
	Bill No. 3			
	Carpentry and Joinery			

Item No	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.4</u></p> <p><u>BLOCK C - 6NO CLASSROOM AND ADMINISTRATION</u></p> <p><u>BILL NO.4</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 separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be 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 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>CEILINGS. ETC.</u></p> <p><u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u></p> <p><u>NAILED-UP CEILINGS</u></p>				
Carried Forward				R
<p>Section No. 4</p> <p>Bill No. 4</p> <p>Ceilings, Partitions and Access Flooring</p>				

Brought Forward

6.5mm Gypsum plasterboard with H-profile metal steel jointing strips

- | | |
|---|---|
| 1 | Ceilings including 50 x 50mm sawn softwood brander
at 400mm centres generally in one direction and 50 x
50mm branders and cross branders at joints and edges
of boards |
|---|---|

m2

553

- | | |
|---|---|
| 2 | Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around |
|---|---|

No

3

"Rhino" gypsum plasterboard cornices

- | | |
|---|---------------------|
| 3 | 75mm Coved cornices |
|---|---------------------|

m

93

"Isotherm" insulation

- | | |
|---|---|
| 4 | 50mm Insulation closely fitted and laid on top of
brandering between roof timbers, etc |
|---|---|

m2

553

Carried Forward to Summary of Section No.

4

Section No. 4

Bill No. 4

Ceilings, Partitions and Access Flooring

R

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO.4</u></p> <p><u>BLOCK C - 6NO CLASSROOM AND ADMINISTRATION</u></p> <p><u>BILL NO.5</u></p> <p><u>FLOOR COVERINGS. PLASTIC LININGS. ETC.</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</p> <p><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></p> <p><u>FLOOR COVERINGS</u></p> <p><u>VINYL FLOOR COVERINGS</u></p> <p><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></p>				
1	On floors	m2	341		
	<p><u>POLISH. SEALERS. ETC.</u></p>				
2	Three coats water based sealer on vinyl flooring.	m2	341		
	<p>Carried Forward to Summary of Section No.</p> <p style="text-align: right;">4</p> <p>Section No. 4 Bill No. 5 Floor Coverings</p>				
				R	

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.4</u> <u>BLOCK C - 6NO CLASSROOM AND ADMINISTRATION</u> <u>BILL NO.6</u> <u>IRONMONGERY</u> <u>PREAMBLES</u> The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u> <u>LOCKS</u> <u>"Dorma" or similar approved</u> 1 "Ref 390/313" four-lever mortice lockset	No	5		
	<u>SUNDRIES</u> 2 38mm Diameter rubber door stop plugged	No	5		
	<u>KEY TAGS</u> 3 28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	5		
	4 Approved standard stainless steel key rings	No	5		
	<u>WRITING BOARDS. ETC</u> <u>"Parrot" or equal approved</u> 5 Model 2203 white vitreous enamelled wall mounted white board 2400 x 900mm high complete with aluminium pen rail etc fixed to brickwork or partition system (Magnetic)	No	3		
	<u>PINNING BOARD</u>				
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 4 Bill No. 6 Ironmongery</p>			R	

Brought Forward			
<u>EP09 Floortime domestic pinning boards fixed to brickwall strictly in accordance to manufacturer's instructions</u>			
6	2400 x 1200mm high pinning board fixed 900mm above finished floor level	No	3
<u>CHALKBOARDS</u>			
<u>Green chalkboard to comply with CKS-38-1980 complete with chalk rail fixed in accordance with the manufacturers specifications</u>			
7	4800 x 1140mm high Chalkboard	No	3
Carried Forward to Summary of Section No. 4			R
Section No. 4 Bill No. 6 Ironmongery			

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.4</u>				
	<u>BLOCK C - 6NO CLASSROOM AND ADMINISTRATION</u>				
	<u>BILL NO.7</u>				
	<u>PLUMBING AND DRAINAGE</u>				
	<u>PREAMBLES</u>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>RAINWATER DISPOSAL</u>				
	<u>0.6mm Chromadek seamless gutters and rainwater pipes</u>				
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	51		
2	Extra over gutter for stopped end	No	6		
3	75 x 100mm Diameter rainwater pipes	m	17		
4	Extra over gutter for outlet for 100 x 75mm pipe	No	6		
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection	No	6		
	<u>FIRE APPLIANCES, ETC</u>				
	<u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u>				
6	4.5kg Dry chemical powder portable fire extinguisher	No	2		
7	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall.	No	2		
	Carried Forward to Summary of Section No.				
	4				R
	Section No. 4				
	Bill No. 7				
	Plumbing and Drainage				

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO.4</u></p> <p><u>BLOCK C - 6NO CLASSROOM AND ADMINISTRATION</u></p> <p><u>BILL NO.8</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
	<p><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6mm Clear float glass</u></p>				
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	18		
	<p>Carried Forward to Summary of Section No. 4</p> <p>Section No. 4 Bill No. 8 Glazing</p>			R	

Item No	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.4</u></p> <p><u>BLOCK C - 6NO CLASSROOM AND ADMINISTRATION</u></p> <p><u>BILL NO.9</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>PAINT SPECIFICATIONS</u></p> <p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p> <p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p> <p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p> <p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p> <p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p> <p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
Carried Forward				R
<p>Section No. 4</p> <p>Bill No. 9</p> <p>Paintwork</p>				

Brought Forward

COLOURS

Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091

(CPAP WORK GROUP NO. 152) unless otherwise stated

PAINTWORK ETC.**ON INTERNAL FLOATED PLASTER SURFACES**

Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:

1	On internal walls	m2	259
2	External walls	m2	161

ON PLASTERBOARD

Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:

3	On ceilings and cornices	m2	553
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ON METAL

Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:

4	On door frames	m2	7
5	On gates	m2	8
6	On Windows	m2	71

ON WOOD

Carried Forward

R

Section No. 4
Bill No. 9
Paintwork

[illegible]

SECTION SUMMARY - BLOCK C - 6NO CLASSROOMS AND ADMINISTRATIVE

Bill No		Page No	Amount
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1	Alterations and Demolitions	63
2	Roof Coverings	65
3	Carpentry and Joinery	68
4	Ceilings, Partitions and Access Flooring	70
5	Floor Coverings	71
6	Ironmongery	73
7	Plumbing and Drainage	74
8	Glazing	75
9	Paintwork	78

Carried to Final Summary

Section No. 4

R

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.5</u>				
<u>BLOCK E - 2NO CLASSROOM BLOCK</u>				
<u>BILL NO.1</u>				
<u>ALTERATIONS AND DEMOLITIONS</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Damage and Repairs to Services</u>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<u>Disposal of Materials</u>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
Carried Forward			R	
<p>Section No. 5 Bill No. 1 Alterations and Demolitions</p>				

<p style="text-align: center;">Brought Forward</p> <p>If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.</p> <p>All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, sotorage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.</p> <p>The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.</p> <p>Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representatitive/Agent and remove when directed.</p> <p><u>Old Materials to become the property of the contractor.</u></p> <p>Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.</p> <p><u>Old Materials to be carted away:</u></p> <p>Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 5 Bill No. 1 Alterations and Demolitions</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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Brought ForwardHandling over of materials

Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handing over thereof.

The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.

TEMPORARY BARRIERS, SCREENS, ETC.**Temporary barriers, screens, etc. and including removal**

- 1 Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site

Item

REMOVAL OF EXISTING WORK**Taking down and removing roofs, floors, panelling, ceilings, partitions, etc**

- 2 RhinoBoard ceiling, including cornices, timber bandering, etc

m2

150

Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings

- 3 Vinyl tile floor covering

m2

150

Taking out and removing doors, windows, etc and prepare openings to receive new doors, etc. and make good brickwork and plaster to one brick walls:

- 4 812 x 2032mm High timber single doors including timber frame, ironmongery, etc

No

1

Carried Forward

R

Section No. 5

Bill No. 1

Alterations and Demolitions

Brought Forward				
<u>Taking out and removing sundry joinery work</u>				
5	Timber skirtings from brickwork	m		
<u>Taking up and remove damaged fascia board</u>				
6	Fascia boards and barge boards	m		
<u>Remove existing chalkboard</u>				
7	Chalkboard	No		
<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
<u>'Sika repair system' or similar approved</u>				
8	Repair concrete surface with SIKA monotop 615 on SIKA monotop primer, then seal with SIKAFLEX, as per manufacture's specification	m2		
<u>MAKING GOOD OF FINISHES. ETC.</u>				
<u>Making good</u>				
9	Make good screed to floors to receive new floor coverings (elsewhere)	m2		
Carried Forward to Summary of Section No.				
5				R
Section No. 5				
Bill No. 1				
Alterations and Demolitions				

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO.5</u></p> <p><u>BLOCK E - 2NO CLASSROOM BLOCK</u></p> <p><u>BILL NO.2</u></p> <p><u>ROOF COVERINGS. ETC.</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><u>(CPAP WORK GROUP NO. 124) unless otherwise stated</u></p> <p><u>SERVICE. REPAIRS. ETC. TO EXISTING WORKS</u></p> <p><u>Service, repair and make good existing roof coverings</u></p>				
1	Service and make good the existing roof coverings including refixing roof sheets with new galvanised screws, patching all roof leaks with derbigum and leave roof in fully functional state for end user. (Provisional)	m2	175		
	<p>Carried Forward to Summary of Section No. 5</p> <p>Section No. 5 Bill No. 2 Roof Coverings</p>			R	

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO.5</u></p> <p><u>BLOCK E - 2NO CLASSROOM BLOCK</u></p> <p><u>BILL NO.3</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 separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing:</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.</p> <p>Fixing brackets to be hot dipped galvanised where items not specifically mentioned.</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u></p> <p><u>ROOFS ETC</u></p> <p><u>ROOF STRUCTURE REPAIRS</u></p>				
1	Allow for roof structure repairs for damaged and rotten roof timber members for roof overall size 20250mm long x 7400mm wide (<i>Block E</i>)	No	1		
	Carried Forward			R	
	<p>Section No. 5</p> <p>Bill No. 3</p> <p>Carpentry and Joinery</p>				

Brought Forward

EAVES, VERGES, ETC**"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia joiners**

- 2 12 x 225mm Fascia boards, including aluminium H-profile fascia joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 041-203 and 685-195)

m 39

"Everite Nutech" Fibre-cement socketless barge boards

- 3 10 x 80 x 225mm Barge boards including aluminium H-profile barge joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 721-800)

m 16

DOORS, ETC.

Refer to Architectural door schedule.

"Saligna Blaco"

- 4 40mm Framed ledged and braced batten door 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint

No 2

SKIRTINGS**Wrought meranti**

- 5 19 x 76mm Skirtings with 19mm quadrant bead, plugged.

m 69

Carried Forward to Summary of Section No.

5

Section No. 5
Bill No. 3
Carpentry and Joinery

R

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.5</u>				
<u>BLOCK E - 2NO CLASSROOM BLOCK</u>				
<u>BILL NO.4</u>				
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
<u>PREAMBLES</u>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<u>CEILINGS, ETC.</u>				
<u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u>				
<u>NAILED-UP CEILINGS</u>				
Carried Forward				R
Section No. 5 Bill No. 4 Ceilings, Partitions and Access Flooring				

Brought Forward**6.5mm Gypsum plasterboard with H-profile metal steel jointing strips**

1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	150
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices	m	69
<u>"Isotherm" insulation</u>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	150

Carried Forward to Summary of Section No. 5

Section No. 5

Bill No. 4

Ceilings, Partitions and Access Flooring

R

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.5</u> <u>BLOCK E - 2NO CLASSROOM BLOCK</u> <u>BILL NO.5</u> <u>IRONMONGERY</u> <u>PREAMBLES</u> The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u> <u>LOCKS</u> <u>"Dorma" or similar approved</u> 1 "Ref 390/313" four-lever mortice lockset	No	2		
	<u>SUNDRIES</u> 2 38mm Diameter rubber door stop plugged	No	2		
	<u>KEY TAGS</u> 3 28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	2		
	4 Approved standard stainless steel key rings	No	2		
	<u>WRITING BOARDS. ETC</u> <u>"Parrot" or equal approved</u> 5 Model 2203 white vitreous enamelled wall mounted white board 2400 x 900mm high complete with aluminium pen rail etc fixed to brickwork or partition system (Magnetic)	No	2		
	<u>PINNING BOARD</u>				
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 5 Bill No. 5 Ironmongery</p>				
					R

Brought Forward				
<u>EP09 Floortime domestic pinning boards fixed to brickwall strictly in accordance to manufacturer's instructions</u>				
6	2400 x 1200mm high pinning board fixed 900mm above finished floor level	No	2	
<u>CHALKBOARDS</u>				
<u>Green chalkboard to comply with CKS-38-1980 complete with chalk rail fixed in accordance with the manufacturers specifications</u>				
7	4800 x 1140mm high Chalkboard	No	2	
Carried Forward to Summary of Section No. 5				R
Section No. 5				
Bill No. 5				
Ironmongery				

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO.5</u></p> <p><u>BLOCK E - 2NO CLASSROOM BLOCK</u></p> <p><u>BILL NO.6</u></p> <p><u>FLOOR COVERINGS. PLASTIC LININGS. ETC.</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
	<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing</u></p> <p>Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</p> <p><u>(CPAP WORK GROUP NO. 130) unless otherwise stated</u></p> <p><u>FLOOR COVERINGS</u></p> <p><u>VINYL FLOOR COVERINGS</u></p> <p><u>2mm thick x 1200mm wide Superflex fully flexible vinyl floor tiles</u></p>				
1	On floors	m2	150		
	<p><u>POLISH. SEALERS. ETC.</u></p>				
2	Three coats water based sealer on vinyl flooring.	m2	150		
	<p>Carried Forward to Summary of Section No. 5</p> <p>Section No. 5 Bill No. 6 Floor Coverings</p>			R	

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.5</u>				
	<u>BLOCK E - 2NO. CLASSROOM BLOCK</u>				
	<u>BILL NO.7</u>				
	<u>PLUMBING AND DRAINAGE</u>				
	<u>PREAMBLES</u>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>RAINWATER DISPOSAL</u>				
	<u>0.6mm Chromadek seamless gutters and rainwater pipes</u>				
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	41		
2	Extra over gutter for stopped end	No	4		
3	75 x 100mm Diameter rainwater pipes	m	11		
4	Extra over gutter for outlet for 100 x 75mm pipe	No	4		
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection	No	4		
	<u>FIRE APPLAINCES. ETC</u>				
	<u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u>				
6	4.5kg Dry chemical powder portable fire extinguisher	No	1		
7	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall	No	1		
	Carried Forward to Summary of Section No. 5				
	Section No. 5				
	Bill No. 7				
	Plumbing and Drainage				
				R	

Item No	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.5</u></p> <p><u>BLOCK E - 2NO CLASSROOM BLOCK</u></p> <p><u>BILL NO.8</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<p><u>(CPAP WORK GROUP NO. 150) unless otherwise stated</u></p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6mm Clear float glass</u></p>				
1	m2	10		
<p>Panes exceeding 0,1m2 and not exceeding 0,5m2</p>				
<p>Carried Forward to Summary of Section No. 5</p>				R
<p>Section No. 5 Bill No. 8 Glazing</p>				

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.5</u>				
<u>BLOCK E - 2NO. CLASSROOM BLOCK</u>				
<u>BILL NO.9</u>				
<u>PAINTWORK</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>PAINT SPECIFICATIONS</u>				
<p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p>				
<p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p>				
<p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p>				
<p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p>				
<p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p>				
<p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
Carried Forward			R	
<p>Section No. 5 Bill No. 9 Paintwork</p>				

Brought Forward

COLOURS

Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091

(CPAP WORK GROUP NO. 152) unless otherwise stated

PAINTWORK ETC.**ON INTERNAL FLOATED PLASTER SURFACES**

Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:

1	On internal walls	m2	193
2	External walls	m2	113

ON PLASTERBOARD

Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:

3	On ceilings and cornices	m2	150
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ON METAL

Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:

4	On door frames	m2	3
5	On gates	m2	7
6	On Windows	m2	60

ON WOOD

Carried Forward

R

Section No. 5
Bill No. 9
Paintwork

[illegible]

SECTION SUMMARY - BLOCK E - 2NO CLASSROOM BLOCK			Page No	Amount
Bill No				
1	Alterations and Demolitions		83	
2	Roof Coverings		84	
3	Carpentry and Joinery		86	
4	Ceilings, Partitions and Access Flooring		88	
5	Ironmongery		90	
6	Floor Coverings		91	
7	Plumbing and Drainage		92	
8	Glazing		93	
9	Paintwork		96	
Carried to Final Summary				R
Section No. 5				

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.6</u>				
<u>BLOCK F - FEMALE ABLUTIONS</u>				
<u>BILL NO.1</u>				
<u>ALTERATIONS AND DEMOLITIONS</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Damage and Repairs to Services</u>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<u>Disposal of Materials</u>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
Carried Forward			R	
<p>Section No. 6 Bill No. 1 Alterations and Demolitions</p>				

<p style="text-align: center;">Brought Forward</p> <p>If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.</p> <p>All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.</p> <p>The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.</p> <p>Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.</p> <p><u>Old Materials to become the property of the contractor.</u></p> <p>Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.</p> <p><u>Old Materials to be carted away:</u></p> <p>Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 6 Bill No. 1 Alterations and Demolitions</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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Brought Forward			R
<u>Handling over of materials</u> Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.			
<u>TEMPORARY BARRIERS. SCREENS. ETC.</u>			
<u>Temporary barriers, screens, etc. and including removal</u>			
1	Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site	Item	
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking out and removing doors, ironmongery</u>			
2	Timber single door including ironmongery	No	7
<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
3	Vitreous china wash hand basin	No	3
4	Vitreous china WC pan with cistern	No	4
<u>Take out and remove wall tiles</u>			
5	Existing wall tiles	m2	10
Carried Forward			R
Section No. 6 Bill No. 1 Alterations and Demolitions			

Brought Forward				
<u>Taking up and remove damaged fascia board</u>				
6	Fascia boards and bardge boards	m	18	
<u>Making Good</u>				
7	Make good affected screed to floors	m2	24	
<u>Removal of timber roof structure composed of purlins, trusses wall plates, etc. complete and prepare to receive new roof structure</u>				
8	Roof structure overall size 6000mm long x 2918mm wide pitched roof less than 25 degrees	No	1	
<u>BUDGETARY ALLOWANCE</u>				
9	Allow the budgetary amount of R 50 000 (Fifty Thousand Rands) to be used for any unforeseen alterations or omitted in part or in whole as required for additional builder's work not to be used at the discretion of contractor.			
			Item	50,000.00
Carried Forward to Summary of Section No.				
	6			R
Section No. 6				
Bill No. 1				
Alterations and Demolitions				

5	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including steel straining wires at not exceeding 400mm centres and double sided tape at edges where required
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36

6

R

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.6</u>				
<u>BLOCK G - FEMALE ABLUTIONS</u>				
<u>BILL NO.3</u>				
<u>CARPENTRY AND JOINERY</u>				
<u>PREAMBLES</u>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing:</u>				
Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.				
Fixing brackets to be hot dipped galvanised where items not specifically mentioned.				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Decorative thermosetting plastic laminate covering</u>				
Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish				
<u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u>				
<u>ROOFS ETC</u>				
<u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION, ETC.</u>				
Carried Forward			R	
Section No. 6 Bill No. 3 Carpentry and Joinery				

Brought Forward

R

SUPPLEMENTARY PREAMBLES

Tenderers are to make allowance in their rates for additional expenses in regard to treatment of timber against insect pest affecting softwood fixed permanently in the building

The design of prefabricated roof trusses, bracings and secondary members forming part of the total timber roof construction shall be prepared by a professional structural engineer- Truss System Engineer

A copy of letter reference TR1 and TR2 must be completed and signed by the Truss System Engineer and submitted to the Architect

The tenderer is to allow in his rates for the roof trusses for the design, manufacture, supply, hoisting and fixing of the roof trusses and permanent bracings, any necessary temporary bracing, and for the costs of all inspections by the Truss System Engineer

Roof pitch is to be 17.5 degrees

Ceilings are 6.0mm Gypsum on 38 x 38mm brandering at 400 c/c

The dimensions in the description of the trusses are nominal and actual measurements are to be obtained from the Architect/Engineers and or taken on site before design or fabrication.

Sawn treated softwood grade V4

1	Roof construction to double pitched roof 6000mm long x 2918mm wide x 1750mm high (17.5 degrees pitch) with 600mm overhang on both sides including trusses, runners, bracings etc (all plates, purlins hurricane clips, elsewhere measured).	No	1
2	38 x 114mm Wall plates	m	12
3	38 x 228mm Gangboards	m	6
4	50 x 76mm Purlins	m	48
5	Extra over for 300mm long wrought end to purlins	No	12
6	76 x 76mm Splayed purlins	m	6

Carried Forward

R

Section No. 6
Bill No. 3
Carpentry and Joinery

Brought Forward				
7	Supply Performance certificate to certify that the roof has been constructed and erected in accordance with approved design (TR1 and TR2 Certificates)		Item	
	<u>Sundries</u>			
8	Two coats "ABE provonite" paint on exposed roof timbers and wall plates.	m2	10	
9	"Teco" two way hurricane clips	No	30	
	<u>EAVES. VERGES. ETC</u>			
	<u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia jointers</u>			
10	12 x 225mm Fascia boards, including aluminium H-profile fascia joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 041-203 and 685-195)	m	12	
	<u>"Everite Nutech" Fibre-cement socketless barge boards</u>			
11	10 x 80 x 225mm Barge boards including aluminium H-profile barge joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 721-800)	m	8	
	<u>DOORS. ETC.</u>			
	Refer to Architectural door schedule.			
	<u>Semi-solid flush core timber door with masonite veneer hung to 1.2mm galvanised steel door frames (elsewhere)</u>			
12	44mm x 730 x 2032mm high single door with 100mm undercut	No	4	
	<u>SOLID DOORS</u>			
	<u>"Saligna Blaco"</u>			
13	40mm Framed ledged and braced batten door 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	3	
	Carried Forward to Summary of Section No.			
	6			R
	Section No. 6			
	Bill No. 3			
	Carpentry and Joinery			

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.6</u>				
<u>BLOCK G - FEMALE ABLUTIONS</u>				
<u>BILL NO.4</u>				
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
<u>PREAMBLES</u>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<u>CEILINGS, ETC.</u>				
<u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u>				
<u>NAILED-UP CEILINGS</u>				
Carried Forward			R	
Section No. 6 Bill No. 4 Ceilings, Partitions and Access Flooring				

Brought Forward			
<u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u>			
1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	24
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices	m	30
<u>"Isotherm" insulation</u>			
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	24
Carried Forward to Summary of Section No.			
6			R
Section No. 6			
Bill No. 4			
Ceilings, Partitions and Access Flooring			

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.6</u>				
<u>BLOCK G - FEMALE ABLUTIONS</u>				
<u>BILL NO.5</u>				
<u>IRONMONGERY</u>				
<u>PREAMBLES</u>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u>				
<u>LOCKS</u>				
<u>"Dorma" or similar approved</u>				
1	No	3		
"Ref 390/313" four-lever mortice lockset				
2	No	4		
Anodised Aluminium mortice indicator bolt Solid Art 294 WC				
<u>SUNDRIES</u>				
3	No	7		
38mm Diameter rubber door stop plugged				
<u>KEY TAGS</u>				
4	No	7		
28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved				
5	No	7		
Approved standard stainless steel key rings				
Carried Forward to Summary of Section No. 6				R
Section No. 6				
Bill No. 5				
Ironmongery				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.6</u>				
	<u>BLOCK G - FEMALE ABLUTIONS</u>				
	<u>BILL NO.6</u>				
	<u>PLUMBING AND DRAINAGE</u>				
	<u>PREAMBLES</u>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>RAINWATER DISPOSAL</u>				
	<u>0.6mm Chromadek seamless gutters and rainwater pipes</u>				
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	12		
2	Extra over gutter for stopped end	No	4		
3	75 x 100mm Diameter rainwater pipes	m	11		
4	Extra over gutter for outlet for 100 x 75mm pipe	No	4		
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection.	No	4		
	<u>SANITARY FITTINGS</u>				
	Rates for sanitary fittings to include for silicone sealing.				
6	Vaal Sanitaryware vitreous china size 450 x 350mm BANTAM CLOAKROOM rectangular basin with one tap hole, CODE: 703003, bolted to the wall using two 10mm bolts CODE: 8448Z0 complete with all necessary accessories	No	3		
	Carried Forward			R	
	Section No. 6 Bill No. 6 Plumbing and Drainage				

Brought Forward		
7	Vaal Sanitaryware vitreous china URBAN COMPACT close coupled 90° outlet closed rim wash down pan and matching 6 litre top dual flush cistern, CODE: 772562. Complete with lid, fitments, quality thermoset soft-close seat and floor brackets	No 4
	<u>WASTE UNIONS. ETC.</u>	
	<u>'Cobra Watertech' or other equal and approved</u>	
8	32mm WC waste union	No 4
	<u>TRAPS. ETC.</u>	
	<u>uPVC:</u>	
9	Cobra re-seal 340 BOTTLE TRAP with telescopic basin connection pipe	No 3
	<u>TAPS. VALVES. ETC.</u>	
	<u>"Cobra Watertech"</u>	
10	Cobra LEDIMO square type pillar tap with cold indice, CODE: TC-951	No 3
	<u>SANITARY PLUMBING</u>	
	<u>uPVC pipes:</u>	
11	40mm Pipes	m 20
12	50mm Pipes	m 12
13	110mm Pipes	m 10
	<u>Extra over uPVC pipes for fittings:</u>	
14	40mm Bend	No 4
15	50mm Bend	No 3
16	110mm Bend	No 3
17	110mm Pan connector	No 4
18	40mm Access bend	No 2
Carried Forward		
Section No. 6 Bill No. 6 Plumbing and Drainage		

R

		Brought Forward	
19	50mm Access bend	No	3
20	110mm Access bend	No	4
21	110mm Junction	No	4
22	50mm Reducing junction	No	2
23	110mm Reducing junction.	No	2
24	110mm "GI Two-way" vent valve	No	4
<u>Sundries:</u>			
25	Testing waste pipe system.		Item
<u>WATER SUPPLIES</u>			
<u>Class 1 copper pipes:</u>			
26	15mm pipes.	m	12
27	22mm pipes.	m	8
<u>Extra over Class 1 copper pipes for cappilary fittings:</u>			
28	15mm Fittings	No	6
29	22mm Fittings	No	3
<u>Sundries:</u>			
30	Testing water pipe system.		Item
<u>FIRE APPLAINCES. ETC</u>			
<u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u>			
31	4.5kg Dry chemical powder portable fire extinguisher	No	1
32	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall.	No	1
<u>BUDGETARY ALLOWANCE</u>			
Carried Forward			
Section No. 6 Bill No. 6 Plumbing and Drainage			

Brought Forward

The following budgetary allowance for plumbing work, if required, to be executed by the contractor:

33 Provide the amount of R 50, 000.00 (Fifty Thousand Rands) for plumbing work to be spent in whole or part or omitted from the contract. Work will be measured at scheduled rates.

Item

50,000.00

Carried Forward to Summary of Section No.

6

Section No. 6
Bill No. 6
Plumbing and Drainage

R

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.6</u>				
<u>BLOCK F - FEMALE ABLUTIONS</u>				
<u>BILL NO.7</u>				
<u>TILING</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<p>Smooth, off form/shutter or power floated cement surfaces must be acid washed to remove laitance and rinsed with water</p>				
<p>No adhesive is to be applied to wet screeds nor to screeds with a water content greater than that required by the adhesive manufacturer.</p>				
<p>Loading and heavy duty installations</p>				
<p>In areas where the loading exceeds 20kg/m², heavy traffic areas and floor areas which are frequently washed down or external and wet conditions flexible water resistant adhesives and grouts are recommended.</p>				
<p>Preparation of surfaces:</p>				
<p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p>				
<p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p>				
<p>Surfaces must be firm and free of dust, mould, oil, grease, wax polish and organic growth. Organic growth must be removed and the spores killed with an effective fungicide such as a household bleaching solution.</p>				
Carried Forward			R	
<p>Section No. 6 Bill No. 7 Tiling</p>				

Brought Forward

Unless described as fixed with adhesive to plaster (plaster elsewhere), descriptions of tiling on brick or concrete walls, columns, etc., shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding.

CERAMIC WALL TILING

Glazed ceramic wall tiles size 200 x 200 x 5mm thick fixed with Ceresit Tylon recommended adhesive or equal and approved with straight joints in both directions, jointed and flush pointed with Ceresit Tylon CM33 white grout or equal and approved:

1	On Walls	m2	20
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FLOOR TILING

600 x 600 x 10mm Non slip glazed floor tiles fixed with high strength rapid setting adhesive to and plaster bedding on concrete (elsewhere measured) and flush pointed with tinted waterproof jointing compound

2	On floors and landings	m2	24
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3	Extra over tiles to floors for work done in patterns	m2	8
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4	100mm High cut tile	m	30
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Carried Forward to Summary of Section No.

6

Section No. 6
Bill No. 7
Tiling

R

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.6</u>				
<u>BLOCK G - FEMALE ABLUTIONS</u>				
<u>BILL NO.8</u>				
<u>PAINTWORK</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>PAINT SPECIFICATIONS</u>				
<p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p>				
<p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p>				
<p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint.</p>				
<p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine.</p>				
<p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p>				
<p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval.</p>				
Carried Forward			R	
<p>Section No. 6 Bill No. 8 Paintwork</p>				

Brought Forward

COLOURS

Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091

(CPAP WORK GROUP NO. 152) unless otherwise stated

PAINTWORK ETC.**ON INTERNAL FLOATED PLASTER SURFACES**

Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:

1	On internal walls	m2	133
2	External walls	m2	50

ON PLASTERBOARD

Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:

3	On ceilings and cornices	m2	24
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ON WOOD

Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:

4	On doors	m2	23
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ON METAL

Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:

5	On door frames	m2	10
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Carried Forward

R

Section No. 6
Bill No. 8
Paintwork

Carried Forward to Summary of Section No.

R

6

7 Fascias and barge boards

18

SECTION SUMMARY - BLOCK G - FEMALE ABLUTIONS					
Bill No			Page No		Amount
1	Alterations and Demolitions		101		
2	Roof Coverings		103		
3	Carpentry and Joinery		106		
4	Ceilings, Partitions and Access Flooring		108		
5	Ironmongery		109		
6	Plumbing and Drainage		113		
7	Tiling		115		
8	Paintwork		118		
Carried to Final Summary				R	
Section No. 6					

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.7</u>				
<u>BLOCK H - BOYS ABLUTIONS</u>				
<u>BILL NO.1</u>				
<u>ALTERATIONS AND DEMOLITIONS</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Damage and Repairs to Services</u>				
<p>Should the Contractor damage any services which are to remain in operation or any services which have not yet been disconnected prior to removal, then the Contractor will be held solely responsible for such damage and any further resultant damage.</p>				
<p>The Contractor shall immediately notify the Representative/Agent and the Authorities concerned and he shall at his own cost make all necessary arrangements for disconnection and repairs with the relevant Authorities and shall pay all fees and charges levied.</p>				
<u>Disposal of Materials</u>				
<p>All existing materials specified to be "removed", demolished and removed", "hacked up or off and removed", or "taken down or off and removed" or "broken down and removed", etc., become the property of the contractor. These materials and all debris, rubbish and earth must be carted away by the Contractor and the site must be left clean and unencumbered. The Contractor must make his own arrangements for dumping and shall pay all fees and charges levied.</p>				
Carried Forward			R	
<p>Section No. 7 Bill No. 1 Alterations and Demolitions</p>				

<p align="center">Brought Forward</p>			<p align="center">R</p>
<p>If any of the bricks or other materials specified to be "removed" are sound and considered suitable for any portion of the new work they must be thoroughly cleaned off and stacked on site for inspection by the Representative/Agent must be obtained before any such materials are re-used in the new work.</p> <p>All existing materials specified to be "taken down and set aside for re-use" or "taken down and set aside" shall remain the property of Employer and must be cleaned off, cleared off all nails, etc. and neatly stacked and stored on site by the Contractor where directed and carefully handled during taking down, storage and re-fixing. The Contractor will be held responsible for the safety of these materials and must take all necessary precautions for their protection and any damage or loss that may occur must be made good by the Contractor at his own expense.</p> <p>The Contractor must visit the site and the buildings and acquaint himself fully with conditions and scope of alterations and demolitions. Descriptions herein are brief and are to serve as a means of identifying work only. The full extent of work is to be assessed by the contractor on site. All sizes indicated are approximate.</p> <p>Rates for demolitions and alterations are to include for all needling, strutting and shoring, etc. that may be necessary whilst carrying out any portion of the work to ensure the stability of the building with suitable and substantial materials to the satisfaction of the Representative/Agent and remove when directed.</p> <p><u>Old Materials to become the property of the contractor.</u></p> <p>Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor who must allow credit in the final summary.</p> <p><u>Old Materials to be carted away:</u></p> <p>Old materials from alterations, except where described to be re-used or handed over, as well as rubbish, etc. must be regularly carted from site and not to be allowed to accumulate on or around the site.</p>			
<p align="center">Carried Forward</p>			<p align="center">R</p>
<p>Section No. 7 Bill No. 1 Alterations and Demolitions</p>			

Brought Forward		R	
<u>Handling over of materials</u>			
Where certain materials or articles from alterations are described to be handed over by the contractor to the Regional Representative/Agent, such materials or articles shall be properly stored by the contractor, until handling over thereof.			
The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Municipality for the full replacement value thereof, which will be deducted from any monies due to the Contractor.			
<u>TEMPORARY BARRIERS. SCREENS. ETC.</u>			
<u>Temporary barriers, screens, etc. and including removal</u>			
1	Provide, fix, maintain, move and subsequently remove all temporary barriers, screens, overhead projections, etc. that may be necessary whilst carrying out any portion of the work for the protection of persons, animals and things, including the protection of existing buildings, structures, pavings and services on the remainder of the site	Item	
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking out and removing doors, ironmongery</u>			
2	Timber single door including ironmongery	No	7
<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
3	Vitreous china wash hand basin	No	3
4	Vitreous china WC pan with cistern	No	4
<u>Take out and remove wall tiles</u>			
5	Existing wall tiles	m2	10
Carried Forward		R	
Section No. 7 Bill No. 1 Alterations and Demolitions			

Brought Forward				
<u>Taking up and remove damaged fascia board</u>				
6	Fascia boards and barge boards	m	18	
<u>Making Good</u>				
7	Make good affected screed to floors	m2	24	
<u>Removal of timber roof structure composed of purlins, trusses wall plates, etc. complete and prepare to receive new roof structure</u>				
8	Roof structure overall size 6000mm long x 2918mm wide pitched roof less than 25 degrees	No	1	
<u>BUDGETARY ALLOWANCE</u>				
9	Allow the budgetary amount of R 50 000 (Fifty Thousand Rands) to be used for any unforeseen alterations or omitted in part or in whole as required for additional builder's work not to be used at the discretion of contractor.			Item
Carried Forward to Summary of Section No.				
7				R
Section No. 7				
Bill No. 1				
Alterations and Demolitions				

5	Insulation sheeting laid taut over purlins and fixed concurrent with roof covering with minimum 150mm stapled laps including steel straining wires at not exceeding 400mm centres and double sided tape at edges where required
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36

7

R

Item No	Unit	Quantity	Rate	Amount
<p><u>SECTION NO.7</u></p> <p><u>BLOCK H - BOYS ABLUTIONS</u></p> <p><u>BILL NO.3</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 separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p> <hr/> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Fixing:</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened stainless steel nails/slots pins/spinless screws to brick or concrete.</p> <p>Fixing brackets to be hot dipped galvanised where items not specifically mentioned.</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere</p> <p><u>Decorative thermosetting plastic laminate covering</u></p> <p>Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish</p> <p><u>(CPAP WORK GROUP NO. 126) unless otherwise stated</u></p> <p><u>ROOFS ETC</u></p> <p><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION, ETC.</u></p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 7 Bill No. 3 Carpentry and Joinery</p>				
			R	

Brought Forward			R
<u>SUPPLEMENTARY PREAMBLES</u>			
Tenderers are to make allowance in their rates for additional expenses in regard to treatment of timber against insect pest affecting softwood fixed permanently in the building			
The design of prefabricated roof trusses, bracings and secondary members forming part of the total timber roof construction shall be prepared by a professional structural engineer- Truss System Engineer			
A copy of letter reference TR1 and TR2 must be completed and signed by the Truss System Engineer and submitted to the Architect			
The tenderer is to allow in his rates for the roof trusses for the design, manufacture, supply, hoisting and fixing of the roof trusses and permanent bracings, any necessary temporary bracing, and for the costs of all inspections by the Truss System Engineer			
Roof pitch is to be 17.5 degrees			
Ceilings are 6.0mm Gypsum on 38 x 38mm brandering at 400 c/c			
The dimensions in the description of the trusses are nominal and actual measurements are to be obtained from the Architect/Engineers and or taken on site before design or fabrication.			
<u>Sawn treated softwood grade V4</u>			
1	Roof construction to double pitched roof 6000mm long x 2918mm wide x 1750mm high (17.5 degrees pitch) with 600mm overhang on both sides including trusses, runners, bracings etc (all plates, purlins hurricane clips, elsewhere measured).	No	1
2	38 x 114mm Wall plates	m	12
3	38 x 228mm Gangboards	m	6
4	50 x 76mm Purlins	m	48
5	Extra over for 300mm long wrought end to purlins	No	12
6	76 x 76mm Splayed purlins	m	6
Carried Forward			R
Section No. 7 Bill No. 3 Carpentry and Joinery			

Brought Forward				
7	Supply Performance certificate to certify that the roof has been constructed and erected in accordance with approved design (TR1 and TR2 Certificates)		Item	
	<u>Sundries</u>			
8	Two coats "ABE provonite" paint on exposed roof timbers and wall plates.	m2	10	
9	"Teco" two way hurricane clips	No	30	
	<u>EAVES. VERGES. ETC</u>			
	<u>"Everite Nutech" Medium density fibre-cement fascia board with H-profile plastic fascia jointers</u>			
10	12 x 225mm Fascia boards, including aluminium H-profile fascia joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 041-203 and 685-195)	m	12	
	<u>"Everite Nutech" Fibre-cement socketless barge boards</u>			
11	10 x 80 x 225mm Barge boards including aluminium H-profile barge joiners and fixed with hot dipped galvanised drive screws and washers (no paint) (Everite Nutech - product number 721-800)	m	8	
	<u>DOORS. ETC.</u>			
	Refer to Architectural door schedule.			
	<u>Semi-solid flush core timber door with masonite veneer hung to 1.2mm galvanised steel door frames (elsewhere)</u>			
12	44mm x 730 x 2032mm high single door with 100mm undercut	No	4	
	<u>SOLID DOORS</u>			
	<u>"Saligna Blaco"</u>			
13	40mm Framed ledged and braced batten door 813 x 2032mm high with 40 x 110mm styles and top rail, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces filled in with V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-joint	No	3	
	Carried Forward to Summary of Section No.			
	7			R
	Section No. 7			
	Bill No. 3			
	Carpentry and Joinery			

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.7</u>				
<u>BLOCK H - BOYS ABLUTIONS</u>				
<u>BILL NO.4</u>				
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
<u>PREAMBLES</u>				
The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Fixing</u>				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
<u>Ceilings</u>				
Unless otherwise described ceilings shall be deemed to be horizontal				
<u>CEILINGS, ETC.</u>				
<u>(CPAP WORK GROUP NO. 129) unless otherwise stated</u>				
<u>NAILED-UP CEILINGS</u>				
Carried Forward				R
Section No. 7 Bill No. 4 Ceilings, Partitions and Access Flooring				

Brought Forward				
<u>6.5mm Gypsum plasterboard with H-profile metal steel jointing strips</u>				
1	Ceilings including 50 x 50mm sawn softwood brandering at 400mm centres generally in one direction and 50 x 50mm branders and cross branders at joints and edges of boards	m2	24	
2	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	1	
<u>"Rhino" gypsum plasterboard cornices</u>				
3	75mm Coved cornices	m	30	
<u>"Isotherm" insulation</u>				
4	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc	m2	24	
Carried Forward to Summary of Section No. 7				
Section No. 7				
Bill No. 4				
Ceilings, Partitions and Access Flooring				

R

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.7</u>				
	<u>BLOCK H - BOYS ABLUTIONS</u>				
	<u>BILL NO.5</u>				
	<u>IRONMONGERY</u>				
	<u>PREAMBLES</u>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>(CPAP WORK GROUP NO. 132) unless otherwise stated</u>				
	<u>LOCKS</u>				
	<u>"Dorma" or similar approved</u>				
1	"Ref 390/313" four-lever mortice lockset	No	3		
2	Anodised Aluminium mortice indicator bolt Solid Art 294 WC	No	4		
	<u>SUNDRIES</u>				
3	38mm Diameter rubber door stop plugged	No	7		
	<u>KEY TAGS</u>				
4	28mm Diameter x 1mm thick brass key tags with one numeral and one letter engraved	No	7		
5	Approved standard stainless steel key rings	No	7		
	Carried Forward to Summary of Section No. 7				
	Section No. 7				
	Bill No. 5				
	Ironmongery				
				R	

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.7</u>				
	<u>BLOCK H - BOYS ABLUTIONS</u>				
	<u>BILL NO.6</u>				
	<u>PLUMBING AND DRAINAGE</u>				
	<u>PREAMBLES</u>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>RAINWATER DISPOSAL</u>				
	<u>0.6mm Chromadek seamless gutters and rainwater pipes</u>				
1	155 x 100 x 115mm aluminium ogee roof gutters with baked enamel finish fixed with concealed brackets	m	12		
2	Extra over gutter for stopped end	No	4		
3	75 x 100mm Diameter rainwater pipes	m	11		
4	Extra over gutter for outlet for 100 x 75mm pipe	No	4		
5	Extra over 100mm rainwater pipe for eaves or plinth offset 650mm projection.	No	4		
	<u>SANITARY FITTINGS</u>				
	Rates for sanitary fittings to include for silicone sealing				
6	Vaal Sanitaryware vitreous china size 450 x 350mm BANTAM CLOAKROOM rectangular basin with one tap hole, CODE: 703003, bolted to the wall using two 10mm bolts CODE: 8448Z0 complete with all necessary accessories	No	3		
	Carried Forward			R	
	Section No. 7 Bill No. 6 Plumbing and Drainage				

Brought Forward		
7	Vaal Sanitaryware vitreous china URBAN COMPACT close coupled 90° outlet closed rim wash down pan and matching 6 litre top dual flush cistern, CODE: 772562. Complete with lid, fitments, quality thermoset soft-close seat and floor brackets	No 4
	<u>WASTE UNIONS. ETC.</u>	
	<u>'Cobra Watertech' or other equal and approved</u>	
8	32mm WC waste union	No 4
	<u>TRAPS. ETC.</u>	
	<u>uPVC:</u>	
9	Cobra re-seal 340 BOTTLE TRAP with telescopic basin connection pipe	No 3
	<u>TAPS. VALVES. ETC.</u>	
	<u>"Cobra Watertech"</u>	
10	Cobra LEDIMO square type pillar tap with cold indice, CODE: TC-951	No 3
	<u>SANITARY PLUMBING</u>	
	<u>uPVC pipes:</u>	
11	40mm Pipes	m 20
12	50mm Pipes	m 12
13	110mm Pipes	m 10
	<u>Extra over uPVC pipes for fittings:</u>	
14	40mm Bend	No 4
15	50mm Bend	No 3
16	110mm Bend	No 3
17	110mm Pan connector	No 4
18	40mm Access bend	No 2
Carried Forward		
Section No. 7 Bill No. 6 Plumbing and Drainage		

R

Brought Forward			
19	50mm Access bend	No	3
20	110mm Access bend	No	4
21	110mm Junction	No	4
22	50mm Reducing junction	No	2
23	110mm Reducing junction	No	2
24	110mm "GI Two-way" vent valve	No	4
<u>Sundries:</u>			
25	Testing waste pipe system.		Item
<u>WATER SUPPLIES</u>			
<u>Class 1 copper pipes:</u>			
26	15mm pipes	m	12
27	22mm pipes	m	8
<u>Extra over Class 1 copper pipes for capillary fittings:</u>			
28	15mm Fittings	No	6
29	22mm Fittings	No	3
<u>Sundries:</u>			
30	Testing water pipe system		Item
<u>FIRE APPLAINCES. ETC</u>			
<u>"Chubb" or other equal and approved fire appliances all to SABS 543 requirements</u>			
31	4.5kg Dry chemical powder portable fire extinguisher	No	1
32	190 x 190mm ABS plastic symbolic safety sign type FB2 plugged and screwed to wall	No	1
<u>BUDGETARY ALLOWANCE</u>			
Carried Forward			R
Section No. 7 Bill No. 6 Plumbing and Drainage			

Brought Forward

The following budgetary allowance for plumbing work, if required, to be executed by the contractor:

33 Provide the amount of R 50, 000.00 (Fifty Thousand Rands) for plumbing work to be spent in whole or part or omitted from the contract. Work will be measured at scheduled rates.

Item

50,000.00

Carried Forward to Summary of Section No.

7

Section No. 7
Bill No. 6
Plumbing and Drainage

R

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.7</u>				
<u>BLOCK H - BOYS ABLUTIONS</u>				
<u>BILL NO.7</u>				
<u>TILING</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<p>Smooth, off form/shutter or power floated cement surfaces must be acid washed to remove laitance and rinsed with water</p>				
<p>No adhesive is to be applied to wet screeds nor to screeds with a water content greater than that required by the adhesive manufacturer.</p>				
<p>Loading and heavy duty installations</p>				
<p>In areas where the loading exceeds 20kg/m², heavy traffic areas and floor areas which are frequently washed down or external and wet conditions flexible water resistant adhesives and grouts are recommended.</p>				
<p>Preparation of surfaces:</p>				
<p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p>				
<p>On both walls and floors there are minimum curing periods for walls and concrete floors as well as screeds and plasters and they are as follows:</p>				
<p>Surfaces must be firm and free of dust, mould, oil, grease, wax polish and organic growth. Organic growth must be removed and the spores killed with an effective fungicide such as a household bleaching solution.</p>				
Carried Forward			R	
<p>Section No. 7 Bill No. 7 Tiling</p>				

Brought Forward

Unless described as fixed with adhesive to plaster (plaster elsewhere), descriptions of tiling on brick or concrete walls, columns, etc., shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding.

CERAMIC WALL TILING

Glazed ceramic wall tiles size 200 x 200 x 5mm thick fixed with Ceresit Tylon recommended adhesive or equal and approved with straight joints in both directions, jointed and flush pointed with Ceresit Tylon CM33 white grout or equal and approved:

1	On Walls	m2	20
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FLOOR TILING

600 x 600 x 10mm Non slip glazed floor tiles fixed with high strength rapid setting adhesive to and plaster bedding on concrete (elsewhere measured) and flush pointed with tinted waterproof jointing compound

2	On floors and landings	m2	24
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3	Extra over tiles to floors for work done in patterns	m2	8
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4	100mm High cut tile	m	30
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Carried Forward to Summary of Section No.

7

Section No. 7

Bill No. 7

Tiling

R

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.7</u>				
<u>BLOCK H - BOYS ABLUTIONS</u>				
<u>BILL NO.8</u>				
<u>PAINTWORK</u>				
<u>PREAMBLES</u>				
<p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2017 Edition) and to the Supplementary Preambles which are incorporated in this Bill.</p>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>PAINT SPECIFICATIONS</u>				
<p>All painting shall be done in accordance with "Plascon" specifications unless otherwise described</p>				
<p>Prime all skirtings and timber work not visible prior to installation. Further paint all glazing beads and reveals prior to glazing.</p>				
<p>Primers and first coats may be thinned in accordance with the paint specifications to aid the absorption of the paint</p>				
<p>Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Merit' plaster primer thinned 10% with turpentine</p>				
<p>All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc.</p>				
<p>The paint and surface finishes specified herein are for normal applications as intended by the manufacturer. Should a finish be required for a surface other than that for which it would normally be used, then the specifier should contact manufacturer for approval</p>				
Carried Forward			R	
<p>Section No. 7 Bill No. 8 Paintwork</p>				

Brought Forward

COLOURS

Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091

(CPAP WORK GROUP NO. 152) unless otherwise stated

PAINTWORK ETC.**ON INTERNAL FLOATED PLASTER SURFACES**

Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 20% and one coat 'Plascon Wall and All Pure Acrylic' paint or equal and approved:

1	On internal walls	m2	133
2	External walls	m2	50

ON PLASTERBOARD

Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:

3	On ceilings and cornices	m2	24
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ON WOOD

Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:

4	On doors	m2	23
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ON METAL

Prepare surfaces and remove all loose material, dust, grease, salts and contamination with a degreaser, rinse and apply one coat Calcium Plumbate Primer, one coat Universal Undercoat and two coats High Gloss Enamel paint on galvanised steel:

5	On door frames	m2	10
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Carried Forward

R

Section No. 7
Bill No. 8
Paintwork

Carried Forward to Summary of Section No.

7

Section No. 7
Bill No. 8
Paintwork

6

18

R

<u>SECTION SUMMARY - BLOCK H - BOYS ABLUTIONS</u>		Page No	Amount
Bill No			
1	Alterations and Demolitions	123	
2	Roof Coverings	125	
3	Carpentry and Joinery	128	
4	Ceilings, Partitions and Access Flooring	130	
5	Ironmongery	131	
6	Plumbing and Drainage	135	
7	Tiling	137	
8	Paintwork	140	
Carried to Final Summary			R
Section No. 7			

[illegible]

Item No		Unit	Quantity	Rate	Amount
<u>SECTION NO.8</u>					
<u>CIVIL WORKS</u>					
<u>BILL NO.3</u>					
<u>PAVING</u>					
1	Supply and install 60 mm grey concrete interlocking blocks complete with including 25 mm thick bedding sand	m2	1,991		
2	150 mm Imported Upper Sub-Base Layer Stabilised With 3% Cement Compacted To 95% MOD AASHTO - (C4)	m3	299		
3	150 mm Imported Upper Selected Gravel Layer Compacted To 93% Mod AASHTO - (G5)	m3	299		
4	200 mm Imported Sub Grade Gravel Layer Compacted To 90% Mod AASHTO - (G7)	m3	398		
Carried Forward to Summary of Section No. 8					R
Section No. 8					
Bill No. 3					
Paving					

SECTION SUMMARY - CIVIL WORKS		Page No	Amount
Bill No			
1	Water Reticulation	142	
2	Stormwater	143	
3	Paving	144	
Carried to Final Summary			R
Section No. 8			

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.9</u>				
	<u>ELECTRICAL WORKS</u>				
	<u>BILL NO.1</u>				
	<u>Preliminary & General</u>				
	The Contractor shall at his own cost, supply all samples that may be required. Material or work not conforming to the approved samples shall be rejected. The Engineer reserves to himself the right to submit samples to any tests to ensure that the material represented by the sample conforms to the requirements of the specifications.				
1	Amount required to comply with the Conditions of Contract			SUM	
2	Amount required to comply with the Technical Specification			SUM	
3	Amount required to comply with Health & Safety Specification			SUM	
	<u>Site Establishment</u>				
4	Amount required as a Fixed Amount			SUM	
5	Amount required as Adjustable with Contract Period			SUM	
6	Amount required as Adjustable with Contract Amount			SUM	
	Carried Forward to Summary of Section No.				
	9			R	
	Section No. 9				
	Bill No. 1				
	Preliminaries and Generals				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.9</u>				
	<u>ELECTRICAL WORKS</u>				
	<u>BILL NO. 2</u>				
	<u>LV RETICULATION</u>				
1	Refurbishment of Main DB and issuing of COC			SUM	
2	Refurbishment and modification of DB-1 and issuing of COC			SUM	
3	Refurbishment and modification of DB-2 and issuing of COC			SUM	
4	Refurbishment and modification of DB-3 and issuing of COC			SUM	
5	Refurbishment and modification of DB-4 and issuing of COC			SUM	
6	Refurbishment and modification of DB-5 and issuing of COC			SUM	
7	Supply and Installation of 1 x 35mm ² 4C PVC/SWA/Cu cable	m	65		
8	Supply and Installation of 1 x 25mm ² BCEW	m	65		
9	Cable terminations for 1 x 35mm ² 4C PVC/SWA/Cu cable to new Prefab cLassrooms	m	6		
10	Earth terminations for 1 x 25mm ² BCEW	m	6		
11	Supply and Installation of 1 x 10mm ² 4C PVC/SWA/Cu cable	m	125		
12	Supply and Installation of 1 x 6mm ² BCEW	m	125		
13	Electrical wireways: P8000 trunking complete with covers, bends and accessories	m	420		
14	Sleeves wireways: 50mm diameter HDPE	m	75		
	Carried Forward to Summary of Section No.				
	9			R	
	Section No. 9				
	Bill No. 2				
	LV Reticulation				

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO.9</u>				
<u>ELECTRICAL WORKS</u>				
<u>BILL NO. 3</u>				
<u>POWER INSTALLATION</u>				
1	No	28		
Supply, installation and Wiring of 16A Switched Socket outlet (SANS 164-1, 164-2) c/w 4mm2 L+N & 2.5mm2 E copper conductors wired from DB.				
2	No	5		
Allow for an electrical heating system / air-conditioners, 32A Isolators for heaters / aircon c/w 6mm2 L+N & 4mm2 E copper conductors wired from DB, 3 phase cable to DB and additional circuit breakers per classroom				
Carried Forward to Summary of Section No.				
9				R
Section No. 9				
Bill No. 3				
Power Installation				

Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.9</u>				
	<u>ELECTRICAL WORKS</u>				
	<u>BILL NO. 4</u>				
	<u>LIGHTING INSTALLATION</u>				
1	Supply and installation of Type A Luminaire: 2 x 18W Linear LED Vapourproof (T8) 1500mm long, mild steel, c/w accessories (min. efficacy: 105 lm/W)			SUM	
2	5A unswitched sockets for Type A Luminaire c/w 2.5mm2 L+N & 1.5mm2 E copper conductors wired from DB.			SUM	
3	Supply and installation of Type C Luminaire: Round Bulkhead c/w 2x9W E27 LED Lamps, Surface mounted, die cast aluminium body and polycarbonate diffuser.			SUM	
4	Control point for Type C Luminaire c/w 2.5mm2 L+N & 1.5mm2 E copper conductors wired from DB.			SUM	
5	Supply and installation of Type VP Luminaire: Round Bulkhead c/w 2x9W E27 LED Lamps, Surface mounted, die cast aluminium body and polycarbonate diffuser.			SUM	
6	Control point for Type VP Luminaire c/w 2.5mm2 L+N & 1.5mm2 E copper conductors wired from DB.			SUM	
7	Supply and install light switch c/w 2.5mm2 L+N & 1.5mm2 E copper conductors wired from DB.			SUM	
8	Supply and install 16A Day/night switch, IP65 installed in empty rectangular bulkhead fitting			SUM	
	Carried Forward to Summary of Section No. 9			R	
	Section No. 9				
	Bill No. 4				
	Lighting Installation				

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SECTION SUMMARY - ELECTRICAL WORKS		Page No	Amount
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2	LV Reticulation	147	
3	Power Installation	148	
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5	Earthing and Lightning Protection Installation	150	
Carried to Final Summary			R
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Item No		Unit	Quantity	Rate	Amount
	<u>SECTION NO.10</u>				
	<u>EXTERNAL WORKS</u>				
	<u>BILL NO. 1</u>				
	<u>GENERAL SITE WORKS</u>				
	<u>PREAMBLES</u>				
	The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2009 Edition) and to the Supplementary Preambles which are incorporated in this Bill				
	<hr/>				
	<u>ALUMINIUM FLAGPOLE</u>				
	<u>(CPAP WORK GROUP NO. 140) unless otherwise stated</u>				
	<u>The following in a 8,5m high standard government type aluminium flagpole as "Aluweld" or other similar approved and erected on 600 x 600 x 800mm deep 20Mpa concrete base, including excavations, carting away, etc.</u>				
1	"Aluweld" or similar approved aluminium flagpole comprising 76mm and 50mm outside diameter aluminium tubing tapered by way of an aluminium cone casting, welded, and complete with spherical top cap, two pulleys, two cleats, two halyards (ropes) and swivel type base, etc.	No	1		
	<u>ASBESTOS REMOVAL</u>				
2	Allow for removal of asbestos by the specialists, loading, dumping to the authorised municipal site, provide the specialist details with the tender.		Item		
3	Allow for testing the roof materials suspected to be Asbestos before removal		Item		
	Carried Forward			R	
	Section No. 10 Bill No. 1 General Site Works				

Brought Forward				
<u>STRUCTURAL STEEL REPAIRS</u>				
4	Allow for the repairs of damaged structural steel structures on site, supply and replace where necessary make good and paint as directed by the Engineer and the Architect.	t	2.51	
5	Allow for supply and fit new structural steel parts (Remeasurable on site)	t	2.50	
6	Allow for all necessary accessories to complete the above		Item	
Carried Forward to Summary of Section No. 10				R
Section No. 10				
Bill No. 1				
General Site Works				

Item No		Unit	Quantity	Rate	Amount
	<p><u>SECTION NO.10</u></p> <p><u>EXTERNAL WORKS</u></p> <p><u>BILL NO.2</u></p> <p><u>FENCING AND GATES</u></p> <p><u>PREAMBLES</u></p> <p>The tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated in this Bill</p> <hr/> <p><u>(CPAP WORK GROUP NO. 136) unless otherwise stated</u></p> <p><u>REMOVAL OF EXISTING FENCE</u></p> <p>1 Break down and remove existing fence and gate complete with all posts, droppers, concrete footings, concrete underdig, etc.</p> <p><u>SECURITY FENCING</u></p> <p><u>THE FOLLOWING WORK SHALL BE UNDERTAKEN BY REPUTABLE CONTRACTORS WHO ARE TO BE APPROVED BY THE PRINCIPAL AGENT PRIOR TO COMMENCING ANY WORK ON SITE</u></p> <p><u>ClearVu or equal approved fencing</u></p>	m	481		
	Carried Forward			R	
	Section No. 10 Bill No. 2 Fencing				

Brought Forward				
<u>ClearVU or equal approved anti-climbing and anti-cut pressed mesh panel fencing 2,1m high, formed of 3mm dia. horizontal and 4mm dia. vertical high tensile line galvanised with polymer coating wires with aperture size 76,2mm x 12,7mm and reinforcing V-section ribs, bolted with vandal resistant bolts and clamping plates to 60 x 60 x 3mm square tube posts 2,75m high at 2,534m centres with sealed end caps and 30 x 3mm x 250mm long angle section base anchors with posts bedded in 15MPa concrete bases size 400 x 400 x 600mm deep with anti theft double bar riveted to mesh and mesh base:</u>				
2	1800mm High fencing	m	481	
3	100mm high powder coated charcoal shark tooth type spike rail, bolted to 50mm wide mesh fencing flange bent along the top	m	481	
4	200 x 200mm concrete sill for anti-burrow including excavations, cartaway, backfilling, formwork to sides, etc.	m	481	
5	Extra over fencing for all necessary accessories, components, transportation, etc.		Item	
<u>GATES</u>				
6	Purpose made sliding gate size 7000 x 2100mm high complete with, rail, motor, lock and locking mechanism	No	1	
7	Purpose made pedestrian gate size 1000 x 2100mm high complete with lock and locking mechanism	No	2	
Carried Forward to Summary of Section No.				
10				R
Section No. 10				
Bill No. 2				
Fencing				

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Carried to Collection

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11	PROVISIONAL SUMS	157	
	SUB-TOTAL		R
	<u>ADD: CONTINGENCY</u>		
	Provide 5% to be used as directed by the Client/Employer and deducted in whole or in part if not required		R
	SUB-TOTAL		R
	ADD: VAT @15%		R
	TOTAL TENDER AMOUNT (CARRIED TO FORM OF TENDER)		R
	Carried to Form of Tender		R

