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6. Where modifications or amendments as described are made, such modifications and/or amendments shall supercede any conflicting provisions in the relevant clauses of the Standard Preliminaries or the Principal Building Agreement and the Tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and/or amended.

7. Where any item is not relevant to this specific contract, such item is marked N/A.

8. If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries, each item priced is to be allocated to one or more of the three categories by insertion of "F","V","T" as the case may be against the price in the "rate" column immediately preceding the "amount" column, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value, and "T" denotes an amount proportionate to time.

SECTION A: PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

Definitions and interpretation (Clause 1).

1 F: V: T:

Item

OBJECTIVE AND PREPARATION

Offer, acceptance and performance (Clause 2).

2 F: V: T:

Item

Documents (Clause 3).

Clause 3.1 is deleted and substituted with: 'This tender is for a Government Contract. No Payment Guarantee will be provided.'

Clause 3.3 is deleted and substituted with:

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	The principal agent shall complete the schedule and arrange for formal signing of the agreement once the priced bill of quantities/lump sum document, security, insurances and waiver of lien, where acceptable, have been provided and effected'.			
3	F: V: T: Design responsibility (Clause 4).	Item		
4	F: V: T: Employer's agents (Clause 5).	Item		
5	F: V: T: Site representative (Clause 6).	Item		
6	F: V: T: Compliance with regulations (Clause 7).	Item		
7	F: V: T: Works risk (Clause 8)	Item		
8	F: V: T: Indemnities (Clause 9). Clause 9.1.1 is deleted and substituted with: Claims from other parties consequent upon death of bodily injury or illness of any person or physical loss or damage to any property, other than the works, arising out or due to the execution of the works or occupation of the site by the contractor or his sub contractors'.	Item		
9	F: V: T: Works insurances (Clause 10).	Item		
10	F: V: T: Liability insurances (Clause 11).	Item		
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11 F: V: T:

Effecting insurances (Clause 12).

Item

12 F: V: T:

State Provisions (Clause 13).

Item

13 F: V: T:

Security (Clause 14).

Item

14 F: V: T:

EXECUTION

Preparation for and execution of the works (Clause 15).

Item

15 F: V: T:

Access to the works (Clause 16).

Item

16 F: V: T:

Contract instructions (Clause 17).

Item

17 F: V: T:

Setting out of the works (Clause 18.3).

Item

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. Should incorrect information be given to the contractor in terms of 18.1 and 18.2, which causes the incorrect setting out of the works, the contractor shall not be liable for such incorrect setting out.

18 F: V: T:

Assignment (Clause 19).

Item

19 F: V: T:

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	Nominated subcontractors (Clause 20).		
20	F: V: T:	Item	
	Selected subcontractors (Clause 21).		
21	F: V: T:	Item	
	Employer's Direct contractors (Clause 22).		
22	F: V: T:	Item	
	Contractor's Domestic subcontractors (Clause 23).		
23	F: V: T:	Item	
	<u>COMPLETION</u>		
	Practical completion (Clause 24).		
24	F: V: T:	Item	
	Works completion (Clause 25).		
25	F: V: T:	Item	
	Final completion (Clause 26).		
	Latent defects liability period (Clause 27).		
	Clause 27.0 is amended by the addition of the following clauses:		
	"27.3 Any water leakage into the building, whether in the roof, external wall or other element of the building susceptible to water leakage shall, unless proven to be a design defect, or as a result of obvious storm damage, be classified as a latent defect in terms of clause 1.0 Definitions and Interpretations".		
	"27.4 The Contractor shall attend to defects during the Defects Liability Period on a progressive basis, to the satisfaction of the Principal Agent and will not be permitted to wait until the end of the Defect Liability Period or until the amount of defects accumulates in order to attend to a comprehensive list of defects"		
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[illegible]

CONTRACTING AND OTHER PARTIES (Clause 42.1)

Employer: King Sabatha TVET College

Postal Address: Cicirha Village, Dosi Location , R61
Road , Mthatha

Telephone: 047 501 0000

Facsimile: N/A

Physical address: Cicirha Village , Dosi Location , R61
Road , Mthatha

Principal Agent: RMA Consulting

Postal Address: 6 Shirley Street,Newton Park, Port
Elizabeth

Telephone: 041 365 2896

Facsimile: 041 365 3611

Physical address: Postal Address: 6 Shirley
Street,Newton Park, Port Elizabeth

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CONTRACT DETAILS (Clause 42.2)

Clause 42.2.1

Works Description: Renovations of existing student residence.

Clause 42.2.2

Site Description: The site is the existing school.

Clause 42.2.3

Work or Installations by Others: NIL

Clause 42.2.4

This Agreement is for a State Contract :- Yes

Payment will be made for materials and goods:- Yes

Dispute resolution :- Mediation (in terms of clause 40) followed by litigation.

Arbitration rules as recommended by the Association of Arbitrators (SA) :- N/A

Clause 42.2.5

Date on which possession of the site is intended to be given on :-

To be advised.

Clause 42.2.6

Period for the commencement of the works after the contractor takes possession of the site :- 5 Working days.

Completion in Sections are required : NO

Clause 42.2.7

Intended date of practical completion and the penalty per calendar day for the works as a whole :-

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To be advised.

Penalty amount will be 5,75c/R100 of Contract Sum.

Clause 42.2.8

Intended dates of practical completion and the penalties per calendar day for the works in sections :

N/A

Clause 42.2.9

The law applicable to this agreement shall be that of -
Republic of South Africa.

INSURANCES (Clause 42.3)

Clause 42.3.1

Contract works insurance to be effected by Contractor for the sum of: Contract Sum

With a deductible of : Not exceeding 5% of each and every claim.

Clause 42.3.2

Supplementary insurance is required : Yes

SASRIA insurance required to be effected by the Contractor for the amount of: Contract Sum plus 20% (with a deductible to be determined by the Insurance company issuing the policy).

Clause 42.3.3

Public liability insurance to be effected by Contractor

For the amount of: R 5million

With a deductible of: Not exceeding 5% of each and every claim.

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DOCUMENTS (Clause 42.4)

Clause 42.4.1

Waiver of the contractor's lien is required :- YES

Clause 42.4.2

Number of construction document copies to be supplied to the Contractor free of charge :- 1

Clause 42.4.3

Bills of Quantities drawn up in accordance with :-

Standard System of Measuring Building Work - Seventh Edition including all amendments

Clause 42.4.4

Number of days for submission of priced documents : 5 working days from the Letter of Appointment.

Clause 42.4.5

JBCC Engineering General Conditions are to be included in the documents :- No

Clause 42.4.6

The contract value is to be adjusted using CPAP:- NO

SECTION B: PRELIMINARIES

DEFINITIONS AND INTERPRETATION (B1)

Definitions and Interpretation (B1)

41 F: V: T:

Item

DOCUMENTS (B2)

Checking of documents (B2.1)

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	<p>Notwithstanding the issue of the tender drawings, it will remain the responsibility of the Tenderer to study all available drawings at the offices of the Principal Agent during normal working hours in order to acquaint himself with all the cost implications of the design, programming, phasing, etc.</p>			
42	<p>F: V: T:</p>	Item		
	<p>Provisional Bills of Quantities (B2.2) YES</p> <p>Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, etc., contained herein may be omitted or reduced at the Principal Agent's sole discretion and the Contractor shall not be entitled to claim for any loss by way of reduction or omission of any discount, or percentage relating to Prime Cost Amounts, Budgetary Allowances, Provisional Amounts, Provisional Quantities, etc., or loss of profit related thereto.</p>			
43	<p>F: V: T:</p> <p>Availability of construction documentation (B2.3)</p>	Item		
44	<p>F: V: T:</p> <p>Interests of Agents (B2.4)</p>	Item		
45	<p>F: V: T:</p> <p>Priced documents (B2.5)</p>	Item		
46	<p>F: V: T:</p> <p>Tender submission (B2.6)</p> <p>Notwithstanding anything contained in this clause, Tenders shall be valid for a period of 20 (Twenty) weeks from the closing date of tenders.</p>	Item		
47	<p>F: V: T:</p> <p><u>THE SITE (B3)</u></p> <p>Defined works area (B3.1)</p>	Item		
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The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over of the site.

Workmen employed on the site are to be restricted to the immediate area of the site and access thereto.

The Tenderer shall make all necessary provision in all rates to take into account these requirements as no claims for extras arising from these matters will be subsequently entertained or admitted.

48 F: V: T: Item

Geotechnical investigation (B3.2)

A desktop geotechnical report is available upon request.

49 F: V: T: Item

Inspection of the Site (B3.3)

50 F: V: T: Item

Existing premises occupied (B3.4)

51 F: V: T: Item

Previous work - dimensional accuracy (B3.5)

52 F: V: T: Item

Previous work - defects (B3.6)

53 F: V: T: Item

Services - known (B3.7)

54 F: V: T: Item

Services - unknown (B3.8)

55 F: V: T: Item

Protection of trees (B3.9)

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56	F: V: T:	Item	
	Articles of value (B3.10)		
57	F: V: T:	Item	
	Inspection of adjoining properties (B3.11)		
58	F: V: T:	Item	
	<u>MANAGEMENT OF CONTRACT (B4)</u>		
	Management of the Works (B4.1)		
59	F: V: T:	Item	
	Programme for the Works (B4.2)		
60	F: V: T:	Item	
	Progress meetings (B4.3)		
61	F: V: T:	Item	
	Technical meetings (B4.4)		
62	F: V: T:	Item	
	<u>SAMPLES AND SHOP DRAWINGS (B5)</u>		
	Samples of materials (B5.1)		
63	F: V: T:	Item	
	Workmanship samples (B5.2)		
64	F: V: T:	Item	
	Shop drawings (B5.3)		
65	F: V: T:	Item	
	<u>TEMPORARY WORKS AND PLANT (B6)</u>		
	Deposits and fees (B6.1)		
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[illegible]

69	Plant and equipment (B6.4) F: V: T:	Item		
70	Main notice board (B6.5) One notice board shall be provided by the Contractor F: V: T:	Item		
71	Subcontractors notice board (B6.6) (N/A) F: V: T:	Item		
<u>TEMPORARY SERVICES (B7)</u>				
72	Location (B7.1) F: V: T:	Item		
73	Water (B7.2) The contractor shall provide water for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor). F: V: T:	Item		
74	Electricity (B7.3) The contractor shall provide electricity for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor). F: V: T:	Item		
75	Telecommunication equipment (B7.4) The contractor shall provide telephones on site for the works in accordance with: Alternative A (i.e. to be provided for by the Contractor). F: V: T:	Item		
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	Ablution facilities (B7.5)			
	The contractor shall provide toilet facilities on site for the works in accordance with:			
	Alternative A (i.e. to be provided for by the Contractor).			
76	F: V: T:	Item		
	<u>PRIME COST AMOUNTS (B8)</u>			
	Responsibility for prime cost amounts (B8.1)			
77	F: V: T:	Item		
	<u>ATTENDANCE ON N/S SUBCONTRACTORS (B9)</u>			
	General Attendance (B9.1)			
78	F: V: T:	Item		
	Special Attendance (B9.2)			
79	F: V: T:	Item		
	Commissioning - fuel, water and power (B9.3)			
80	F: V: T:	Item		
	<u>FINANCIAL ASPECTS (B10)</u>			
	Statutory taxes, duties and levies (B10.1)			
	Provision is made in the Final Summary of these Bills of Quantities for the inclusion of Value Added Tax (VAT).			
81	F: V: T:	Item		
	Payment of Preliminaries (B10.2)			
82	F: V: T:	Item		
	Adjustment of Preliminaries (B10.3)			
83	F: V: T:	Item		
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	Payment certificate cash flow (B10.4)		
84	F: V: T: Contractor information supply (B10.5)	Item	
85	F: V: T: <u>GENERAL (B11)</u> Protection of the Works (B11.1)	Item	
86	F: V: T: Protection/isolation of existing/sectionally occupied works (B11.2)	Item	
87	F: V: T: Site security (B11.3)	Item	
88	F: V: T: Notice before covering work (B11.4)	Item	
89	F: V: T: Disturbance (B11.5)	Item	
90	F: V: T: Works cleaning and clearing (B11.6)	Item	
91	F: V: T: Vermin (B11.7)	Item	
92	F: V: T: Overhand work (B11.8)	Item	
93	F: V: T: <u>SECTION C: SPECIFIC PRELIMINARIES</u>	Item	
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Section C: Specific Preliminaries:

C1. Proprietary branded products

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

94 F: V: T:

Item

C2. Trade Names, etc.

All materials, fittings, finishings, etc., specified hereinafter under a trade name, catalogue number or reference, must be exactly as described. The Architect's approval in writing must be obtained for the use of any alternative to the specification before the submission of tenders otherwise the specified materials, fittings, finishings, etc., will be assumed to have been allowed for in the tender.

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

95 F: V: T:

Item

C3. Contractors responsibility

The Employer, the Principal Agent and the other professional consultants shall not be responsible for any act or omission on the part of the Contractor which may result in any patent or latent defects, in materials or workmanship, breach or neglect of any local regulations. The Contractor shall at all times be responsible for any such neglect, deviation or wrong act, whether the same is discovered before or after the final certificate, or any other Certificate, has been approved.

96 F: V: T:

Item

C4. Overtime

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	<p>Should overtime be required to be worked for any reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer.</p>			
97	<p>F: V: T:</p>	Item		
	<p>C5. As built drawings</p> <p>The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records.</p> <p>Three full sets of as-built drawings shall be submitted to the Principal Agent no later than fourteen days after practical completion.</p>			
98	<p>F: V: T:</p>	Item		
	<p>C6. Construction Instructions</p> <p>Contract 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. The Contractor shall supply and have available at the site of the works at all times, the following site books:</p> <p>a) Construction Instruction Book:</p> <p>Receiving and recording instructions in a suitable A4 size triplicate book kept on site. Instructions issued shall be recorded by the Architect or other Employer's Agents to whom the Architect has delegated authority to in the book.</p> <p>Only instructions issued in such book shall be recognised.</p> <p>b) Daily Record Book:</p>			
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99	<p>The Contractor shall record in triplicate in a suitable A4 size triplicate book kept at the site, a daily record of work done, all site visits by the Principal Agent and other professional personnel and all events affecting the Works, such as progress, issue of plans, breakdown of machinery, etc. The labour, plant and material on site shall be recorded as well as work performed. Entries must be made by the Contractor and must be signed and forwarded to the Principal Agent for his counter-signature on a daily basis. Copies of these records shall be for the Architect, Quantity Surveyor and Contractor.</p>	Item	R
100	<p>F: V: T:</p> <p>C7. Labour record</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day.</p>	Item	
101	<p>F: V: T:</p> <p>C8. Plant record</p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.</p>	Item	R
102	<p>F: V: T:</p> <p>C9. Encroachment</p> <p>During the course of the building operations, the Contractor shall be held entirely responsible for any encroachment onto any adjoining properties, buildings, etc., or servitudes and the cost of any remedial measures as required by the Principal Agent shall be borne by the Contractor.</p>	Item	
	<p>C10. Method Statement</p>		
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103	<p>The Tenderer shall produce, when required to do so by the Principal Agent, a Method Statement outlining the methods of construction and labour and plant resources that he proposes to use in the execution of the Works. Any approval given or observation made by the Principal Agent shall not relieve the Contractor of his sole responsibility to adopt the methods of construction and to provide the labour and plant resources necessary for the due and proper timeous execution of the Works.</p>	Item	R
	<p>F: V: T:</p> <p>C11. Unauthorised Persons/Workmen on Premises</p> <p>The Contractor shall at all times strictly exclude all unauthorised persons from the Works and the site and shall set up notice boards to that effect.</p> <p>No workmen or labourers (except security guards) are to be allowed under any circumstances to sleep or deposit any kit on the premises. The Contractor must provide any necessary independent shelter or shed required for any labour or watchmen on site, to the approval of the Employer.</p>		
104	<p>F: V: T:</p> <p>C12. Mode of Procedure</p> <p>Notwithstanding anything to the contrary contained herein the Principal Agent at all times reserves the right to direct the order in which the various parts of the Contract are to be executed. The Contractor shall give priority to any individual section or portion of the Works that, in the opinion of the Principal Agent, requires to be expedited.</p> <p>Should it appear, in the Principal Agent's opinion, that work in any area is not being executed in accordance with the requirements of the Contract Programme, the Contractor shall provide additional manpower and resources and shall work additional overtime and do everything else required to bring the work back to programme to the satisfaction of the Principal Agent and to the Contractor's cost.</p>	Item	R
105	<p>F: V: T:</p> <p style="text-align: right;">Carried to Collection</p> <p>Section 1 Bill No. 1 Preliminaries Mthatha Campus - OLD STUDENT BOYS RESIDENCE</p>	Item	

C13. Location of Temporary Buildings and Temporary Services

The Contractor shall provide all necessary temporary works, including temporary roads, tracks, crossings, hardstanding and services, hoardings, dust screens, tunnelling, etc., required for his own and sub-contractors use during the construction and maintenance period.

There is no guarantee given or implied that Site conditions will be such that the Contractor will be able to erect such temporary works, roads, hardhats, offices, stores and temporary accommodation within the site boundaries and it shall be the Contractor's responsibility to adopt whatever measures he deems necessary in this regard and to obtain all necessary permission and pay all costs in connection therewith.

106 F: V: T:

Item

C14. Office accommodation

The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18]

107 F: V: T:

Item

C15. Storage Facilities

108 The Contractor shall provide a Container for storage of materials.

Item

109 F: V: T:

Item

C16. Removal and Making Good of Temporary Works, etc, on Completion

The Contractor shall remove (except where specifically stated otherwise) all temporary works, roads, services and the like used for this contract and shall make good to the entire satisfaction of the Principal Agent any damage resulting therefrom.

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Item No	Quantity	Rate	Amount
<u>BILL No. 2</u>			
<u>HEALTH AND SAFETY</u>			
<u>MODEL PREAMBLES</u>			
The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates.			
<u>SUPPLEMENTARY PREAMBLES</u>			
Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles.			
The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications.			
Prior to pricing the principal contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications.			
The items in this Bill do not contain quantities hence the Contractor must insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety Specifications.			
The costs included herein must incorporate Community Liaison Officer (CLO).			
<u>OCCUPATIONAL HEALTH AND SAFETY</u>			
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General:

1	Preparation of Contractor's site specific Health and Safety Plan.		Item	
2	Submission of the Health and Safety File.		Item	
3	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations.		Item	
4	Principal Contractor's time related obligations in respect of the OHS Act and Construction Regulations for the entire construction period.		Item	
5	Provision of full time Health and Safety Officer for the entire construction period.		Item	
6	Induction training of personnel.	No	4	
7	Provision of first aid boxes.	Pairs	1.0	
8	SANS approved weld mesh type temporary barrier fencing 1,8m high covered with a net fixed to and including 100mm diameter gum poles set securely min 300mm deep in ground at max 3m spacing including excavation, backfilling, etc	m	25	35
9	Extra over mesh fence for pedestrian gate size 1.8 x 1,8m high.	No	1	

Provision for Personal Protective Equipment and Protective Clothing:

10	Reflective vests.	No	15	
11	Hard hats.	No	15	
12	Protective foot wear	No	15	
13	Ear Plugs in boxes	Pairs	4.0	
14	Dust Mask in boxes	Pairs	2.0	

Costs of Medical Certificates and Medical Surveillance:

15	Initial (baseline) medical examinations.	No	15	
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BILL No. 3

DEMOLITIONS

MODEL PREAMBLES

The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates

SUPPLEMENTARY PREAMBLES

View site

Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained

Explosives

No explosives whatsoever may be used for demolition purposes unless otherwise stated.

General

Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent.

Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site.

Carried to Collection

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Section 1

Bill No. 3

Alterations

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Removal of asbestos material

All preparatory work, alterations, etc., to existing asbestos cement roof sheeting, gutters, rainwater pipes, etc., is to be carried out strictly by an approved and certified specialist company and in accordance with statutory requirements (Occupational Health and Safety Act, 1993 - Asbestos Regulations 2001) and all necessary precautions must be taken when working with and disposing of asbestos cement products and the disposal of waste water resulting from cleaning operations, etc.

The following shall apply in respect of asbestos removal

The removal of asbestos shall be carried out by a certified entity, registered in accordance with the Occupational Health and Safety Act, 1993 and the Asbestos Regulations 2001

Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose

Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material

Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the Contractor will be held responsible contractually and may further be prosecuted criminally

The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in terms for removal of asbestos material. No further claims in this regard will therefore be entertained

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Section 1

Bill No. 3

Alterations

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

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Protection from damage

All floors, doors, windows, fittings, ceilings, roofs, etc not to be removed and become the property of the Contractor shall be adequately protected from damage during the progress of the works and any damage resulting from the repairs, renovations, alterations or demolitions shall be made good by the Contractor at his own expense

- | | | | |
|---|---|----|-----|
| 1 | All ceilings, etc not to be removed and become the property of the Contractor shall be adequately protected from damage during the progress of the works and any damage resulting from the repairs, renovations, alterations or demolitions shall be made good by the Contractor at his own expense | m2 | 935 |
|---|---|----|-----|

Temporary barriers, screens, etc including removal

Contractors will be held responsible for all damages, however caused, to floors, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damages at his own expense to the approval of the Principal Agent

Taking down and removing roofs, floors, panelling, ceilings, partitions, etc

- | | | | |
|---|--|----|------|
| 2 | Carefully take out and remove existing timber extremal doors size 815 x 2010mm high including door furniture | | Item |
| 3 | Carefully take up and remove existing vinyl tiling | m2 | 202 |
| 4 | Carefully take out and remove internal timber doors including door furniture | No | 16 |
| 5 | Carefully take out and remove steel windows size 1800 x 1800mm including making good to window jambs, etc. | No | 98 |
| 6 | take down ceilings including cornice | m2 | 612 |

BRICKWORK

- | | | | |
|---|--|----|---|
| 7 | Breakdown existing 230mm concrete slab including temporal support . | m2 | 7 |
| 8 | Build close door opening size 810 x 2010mm opening with 230mm brickwall to match existing brickwork finish | No | 1 |

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Bill No. 3

Alterations

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

9 Break down existing 230mm brickwall to form sstairase
opening size 2400 x 1200 x 2400mm

No

2

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Section 1
Bill No. 3
Aletrations

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Section 1

Bill No. 3

Aletrations

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Section 1

Bill No. 3

Aletrations

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Dewatering of excavations:

The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water

Density testing on filling:

Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.

Imported fill:

"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"

Classification of excavated material

"Hard rock" shall mean granite, quartzitic sandstone or other rock of similar hardness, the removal of which requires drilling, wedging and splitting or the use of explosives.

"Soft rock" shall mean hard material, the removal of which warrants the use of pneumatic tools and includes hard shale, ferricite, compact outcrop and material of similar hardness.

"Earth" shall mean all ground other than that classified as "hard rock" or "soft rock" and shall include made-up ground and any loose stones or pieces of concrete not exceeding 0,03m³ in volume.

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Section 1

Bill No. 4

Earthworks (Provisional)

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Section 1
Bill No. 4
Earthworks (Provisional)
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

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Earthworks (Provisional)
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Bill No. 4

Earthworks (Provisional)

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Bill No. 4

Earthworks (Provisional)

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Item No	Quantity	Rate	Amount
<u>BILL No. 5</u>			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>Quantity Split:</u>			
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:			
<u>MODEL PREAMBLES</u>			
The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary products in descriptions:</u>			
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
<u>Cost of tests:</u>			
The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately).			
Carried to Collection			R
Section 1			
Bill No. 5			
Concrete, Formwork and Reinforcement			
Mthatha Campus - OLD STUDENT BOYS RESIDENCE			

Formwork:

Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.

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

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

UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES

15Mpa/19mm Concrete

1	Strip footings to walls.	m3	0.2
2	On sloping surfaces.	m3	2
3	On treads and risers	m3	1

20Mpa/19mm Concrete

4	On slabs.	m3	1
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TEST BLOCKS

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Mthatha Campus - OLD STUDENT BOYS RESIDENCE

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Test blocks:

- 5 Making and testing of 150x150x150mm concrete strength test cubes (Provisional).

No

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Section 1
Bill No. 5
Concrete, Formwork and Reinforcement
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

FINISHING TOP SURFACE OF CONCRETE

Finishing top surfaces of concrete smooth with a wood float:

6	Surface beds, etc.	m2	1
---	--------------------	----	---

ROUGH FORMWORK (DEGREE OF ACCURACY III)

Rough Formwork to Sides:

7	To soffit of slabs not exceeding 250mm thick, etc.	m2	3
---	--	----	---

8	To sloping surfaces, etc.	m2	6
---	---------------------------	----	---

9	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	15
---	---	---	----

MOVEMENT JOINTS ETC

Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces:

10	12mm Joints not exceeding 300mm high (Provisional).	m	1
----	---	---	---

REINFORCEMENT

Mild steel reinforcement to structural concrete work in various diameters

11	All bars	t	1
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Concrete, Formwork and Reinforcement
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Section 1

Bill No. 5

Concrete, Formwork and Reinforcement

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Concrete, Formwork and Reinforcement

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Item No	Quantity	Rate	Amount
<u>BILL No. 6</u>			
<u>MASONRY</u>			
<u>Quantity Split:</u>			
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:			
<u>MODEL PREAMBLES</u>			
The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
All references to SABS shall be deemed to be the relevant SANS specification			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>BRICKWORK</u>			
<u>Hollow walls etc</u>			
Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixal" bitumen emulsion waterproofing coating.			
<u>Face bricks</u>			
Bricks shall be ordered timeously to obtain uniformity in size and colour			
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Masonry			
Mthatha Campus - OLD STUDENT BOYS RESIDENCE			

Pointing

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

Samples

Samples of all masonry building units, except those of walls described as "loadbearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "loadbearing" shall consist of 30 units from every 30 000 units delivered to site

Trade names

Where trade names are specified it will read "or equal approved"

BRICKWORK

Brickwork consisting of solid bricks with 10.5 MPa minimum nominal compressive strength in Class I mortar (Cement to be 42.5N all-purpose cement):

- | | | | |
|---|------------------|----|---|
| 1 | One brick walls. | m2 | 1 |
|---|------------------|----|---|

Note that the total quantity per each item is split into the various buildings and appears below each description as follows:

BRICKWORK AND BLOCKWORK SUNDRIES

Galvanized brickwork reinforcement

- | | | | |
|---|--|---|---|
| 2 | 150mm Wide reinforcement built in horizontally | m | 4 |
|---|--|---|---|

FACE BRICK

"Rustgold FBS/Qunu Travertine" clay face brick or equal approved, size 222 x 106 x 73mm, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints, suitable for exposure zones 1-2 (Cement to be 42.5N all-purpose cement):

- | | | | |
|---|---|----|---|
| 3 | Extra over brickwork for face brickwork externally. | m2 | 2 |
|---|---|----|---|

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Bill No. 6

Masonry

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Masonry

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Item No	Quantity	Rate	Amount
<u>BILL No. 7</u>			
<u>ROOF COVERINGS</u>			
<u>Quantity Split:</u>			
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:			
<u>MODEL PREAMBLES</u>			
The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Flashings</u>			
Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with S10 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel splatter from penetrating colour coated areas. The flashings shall be supplied with a paint finish consisting of a full top coat silicon modified polyester Colour : White to one side			
<u>Quality Assurance</u>			
The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System			
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Section 1 Bill No. 7 Roof Coverings Etc. Mthatha Campus - OLD STUDENT BOYS RESIDENCE			

Guarantee

Z200 Galvanized Metal or equal approved sheeting shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a ten year written guarantee on materials by the manufacturer.

Safety

The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity

Handling and Storage

The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction

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Bill No. 7

Roof Coverings Etc.

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

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Inspection Prior to Installation or Erection

Before commencing with installation, the contractor shall verify that the following items have been checked and accepted:

- a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted
- b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances
- c. The corners of the roof are square and the wall framework is perpendicular or as specified
- d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework
- e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square
- f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided
- g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding

Protrusion through Sheeted Surfaces

Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation

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Roof Coverings Etc.

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Cleaning of Roofs, etc

All debris, etc arising from the fixing of the cladding shall be removed from the sheetin as the fixing progresses. In addition, off-cuts of insulation, surplus fastners and sealants, mandrels from pop rivets, off-cuts of flashings and sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, downpipes, etc

ROOF COVERINGS

PROFILED METAL SHEETING AND ACCESSORIES

0.58mm Thick Z200 "IBR Profile" galvanised metal roof sheeting, in single sheet lengths, with "Chromadek" finish to external face and standard backing coat to internal face :

1	Roof sheeting laid to a double-pitch.	m2	30
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Bill No. 7

Roof Coverings Etc.

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

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Roof Coverings Etc.

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Bill No. 7

Roof Coverings Etc.

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Section 1
Bill No. 8
Carpentry and Joinery
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

SANS Approved meranti:

3	44mm Framed, ledged, and battened single door with flush ply panel internally size 813 x 2032mm high comprising 44 x 110mm top rail and stiles, 44 x 220mm bottom rail, 44 x 150mm lock rail and 22 x 70mm vertical "v" jointed boards (D1).	No	138
---	--	----	-----

FRAMED FRAMES, ETC

Wrought Meranti :

Fixing :

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete

Semi - Solid Hollow Core doors

4	110 x 44mm Rebated frames, plugged	m	80
---	------------------------------------	---	----

JOINERY, ETC

Study table:

5	1000 x 600mm x 40mm Thick super wood timber with edging supported by I shaped steel brackets size 600 x 600 x 20mm fixed expansion joints to walls and screwed to top wood	No	116
---	--	----	-----

Filing Cabinet

6	1000 x 1000 x 600mm , 40mm with one side open size 400 x 400 x 600mm , Thick super wood timber with edging supported by I shaped steel brackets size 600 x 600 x 20mm fixed expansion joints to walls and screwed together	No	132
---	--	----	-----

Sudent wadrobe:

7	900 x 1800 x 20mm Thick super wood timber, with two doors size 450 x 450mm with edging,, one suitable for hanging clothes , one side with four shelving size 400mm wide , complete door handles and locking mechanism	No	128
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Bill No. 8
Carpentry and Joinery
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

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Bill No. 8

Carpentry and Joinery

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Section 1

Bill No. 8

Carpentry and Joinery

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Item No		Quantity	Rate	Amount
	<u>BILL No. 9</u>			
	<u>CEILING AND PARTITIONS</u>			
	<u>Quantity Split:</u>			
	Note that the total quantity per each item is split into the various buildings and appears below each description as follows:			
	<u>MODEL PREAMBLES</u>			
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>FIXING</u>			
	All nailing of timber roof rafters, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.			
	<u>NAILED UP CEILINGS</u>			
	<u>Gypsum rhino boards with H-profile pvc jointing strips:</u>			
1	Ceilings including 38 x 38mm sawn softwood brandering at not exceeding 450 mm centersin one direction,including cross brandering at joints,ends of sheets and at light fitting etc	m2	951	
2	Extra over ceiling for 900 x 900mm hinged trap door of wrought softwood rebated framing with one sawn softwood cross brander covered with ceiling board and fitted flush in opening, including necessary trimmers all around.	No	13	
	<u>Gypsum plasterboard cornices:</u>			
3	75mm Coved cornices, plugged, etc.	m	634	
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	Section 1			
	Bill No. 9			
	Ceiling and Partitions			
	Mthatha Campus - OLD STUDENT BOYS RESIDENCE			

Item No	Quantity	Rate	Amount
<u>BILL No. 10</u>			
<u>FLOOR COVERINGS</u>			
<u>Quantity Split:</u>			
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:			
<u>MODEL PREAMBLES</u>			
The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>FIXING</u>			
All materials shall be in colours to be selected by the Representative/Agent and, where applicable, laid to approved patterns			
<u>INTERLOCKING VINYL SHEETING :</u>			
1	Polyflor or equal and approved Camaro Loc Wood and Stone Effect Interlocking Vinyl Tiles : Flexible vinyl plank and tile with laminated construction of a 0.30mm clear PVC wear layer , with a polyretharane reinforced surface treatment , 0.70mm print film layer and 1.63mm backing ply and feature strip on all joints, approximately 2.00mm Gauge	m2	1 448
<u>SKIRTINGS, NOSINGS, ETC</u>			
<u>Polyflor or similar and approved fixed to walls</u>			
2	150mm High vinyl coved skirting with 20 x 20mm PC20 Polycove and CS 48 Polycap clip-on strip	m	224
<u>POLISH, SEALERS, ETC</u>			
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Section 1 Bill No. 10 Floor Coverings Mthatha Campus - OLD STUDENT BOYS RESIDENCE			

Clean by stripping and sealing and apply three coats water based copolymer emulsion or other approved sealer:

3 On vinyl flooring

m2	1 448
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FLOOR TILING :

300 x 300 x 6mm non slippery glazed ceramic tiles
fixed with adhesive to screeds (screeds elsewhere)

4 On floors in patches, etc.

m2	60
----	----

WALL TILING :

200 x 200 x 6mm glazed ceramic tiles , fixed with adhesive to plaster (plaster elsewhere)

5 | On walls in isolated panels, splash backs, etc

m2	40
----	----

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Section 1
Bill No. 10
Floor Coverings
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Section 1

Bill No. 10

Floor Coverings

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Section 1

Bill No. 10

Floor Coverings

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

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Security Gate , trellidor or equal approved consisting of 25 x 25 x 2mm steel frame with 12mm steel square members infill placed at 109mm centres, hung with one pair of steel hinges including locks, handles, ironmongery complete and fixed to brickwork:

3	Security gate size 1600 x 2100mm high	No	2
4	Security gate size 3600 x 2100mm high	No	2

STEEL BALUSTRADES

Balustrade steel consist of consisting of 25 x 25 x 2mm steel frame with steel tubular members infill placed at 110mm centres, welded together to form a framed structure fixed to concrete :

Note: The contractor is to check on site measurements before placing of order.

5	1200mm High balustrade	m	15
---	------------------------	---	----

STEEL WINDOWS

Note: The contractor is to check all the necessary all window fittings, glazing .. etc. on site and agree with principal agent which item to fixed before placing of order.

6	All windows	No	110
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Bill No. 11
Metalwork
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Section 1

Bill No. 11

Metalwork

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Bill No. 11
Metalwork
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Item No	Quantity	Rate	Amount
<u>BILL No. 11</u>			
<u>IRONMONGERY</u>			
<u>Quantity Split:</u>			
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:			
<u>MODEL PREAMBLES</u>			
The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Keys/Locks</u>			
Each lock is to be distinctly numbered with consecutive numbers and each key is to be stamped with the corresponding number to the lock that it controls. All locks are to have two keys			
<u>Trade Names</u>			
Where trade names are specified other ironmongery approved by the Principal Agent may be used			
<u>Fixing</u>			
Fixing of ironmongery is deemed to be fixed to timber unless otherwise described			
<u>HINGES, BOLTS, ETC.</u>			
<u>Bolts and latches</u>			
1	75 x 100mm Brass Medium duty ball bearing HMP butt hinges.	Pairs	228.0
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Section 1 Bill No. 12 Ironmongery Mthatha Campus - OLD STUDENT BOYS RESIDENCE			

LOCKS

- 2 "UNION 2277-78SS" or equal approved three lever sash mortice lockset.

No

98

HANDLES

- 3 "Dorma DPH301B" or equal approved Stainless Steel Straight Tubular Pull handle flange fixing.

No

98

Sundries:

- 4 38mm Diameter black rubber door stop plugged and screwed to wall.

No

98

SIGN PLATES:

All sign plates are to be with engraved blue perspex all in accordance with the standard sign plates for Schools.

- 5 Sign plate plugged and screwed to door with chromium plated dome headed screws.

No

98

DOOR CLOSERS

Approved door closers

- 6 TS73V/ EN3 - Variable spring strength regular door arm door closer

No

98

WASTE BIN

- 7 Disposer wall mounted general waste bin , colour white, overall size 334 x 258 x 635mm higher installed as per manufactures specification , complete

No

196

Grade 304 stainless steel ware:

- 8 32mm outside diameter x 1,6mm thick tubular wall mounted side stainless steel grab rail 1,06m girth with two 45 degree and two 90 degree formed bends and each end fitted with 80mm diameter x 5mm thick flange welded on and four times countersunk holed for and plugged and screwed to wall with stainless steel crews.

No

29

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Section 1
Bill No. 12
Ironmongery

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Satin Grey Plastics or equal approved

9 "Satin plastic N-SBIN-12-SA SHE Bin size 463 x 140 x 480mm, floor standing loose.

No

264

Carried to Collection

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Section 1
Bill No. 12
Ironmongery
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Section 1

Bill No. 12

Ironmongery

COLLECTION

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Amount

65

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Section 1

Bill No. 12

Ironmongery

Mthatha Campus - OLD STUDENT BOYS RESIDENCE

	Quantity	Rate	Amount
<u>BILL No. 14</u>			
<u>PLUMBING AND DRAINAGE</u>			
<u>(PROVISIONAL)</u>			
<u>Quantity Split:</u>			
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:			
<u>MODEL PREAMBLES</u>			
The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
<u>RAINWATER DISPOSAL:</u>			
<u>Watertite or equal approved Aluminium Gutters and Downpipes:</u>			
125 x 85 x 0.6mm Ogee domestic gutters including gutter brackets at 600mm centres.	m	171	
Extra over eaves gutter for stopped end.	No	12	
Extra over eaves gutter for outlet for 100 x 75mm aluminium downpipe.	No	16	
100 x 75 x 0.6mm rectangular fluted downpipes fixed to wall with and including proprietary holderbats to 5000L rainwater tanks (elsewhere measured).	m	20	
Extra over rainwater downpipe for bends.	No	20	
<u>TAPS, VALVES, ETC</u>			
Carried to Collection			R
Section 1 Bill No. 14 Plumbing and Drainage (Provisional) Mthatha Campus - OLD STUDENT BOYS RESIDENCE			

Solid Cast brass taps, valves, etc:

6	"Cobra KM2-200"or other approved 15mm chrome plated metered bib tap with non-hold open feature and flow controller.	No	12
7	15mm Ball-o-stop valve.	No	8
8	22mm Non Return valve.	No	2

WASTE UNIONS ETC

Outlets, traps, etc:

9	40mm 342/50 CP bottle trap.	No	44
10	40mm Code 316 chrome plated unslotted waste outlet.	No	44
11	40mm Rubber "P" or "S" trap	No	18

SANITARY FITTINGS

Vaal or equal approved:

12	Lavatera White Vitreous china wall mounted bowl urinal with top inlet [code: 704001] 610x385mm, supplied with 38mm chromium plated domical grating [code: 8787], chromium plated spreader [code: 8543], and two hanger brackets [code: 8127]	No	20
13	Hibiscus White Vitreous china 510 x 405mm rounded basin [code: 7050] with one tap hole on left hand side, including integrated overflow, bolted to wall with two 8mm bolts [code 8448Z0], to manufacturer's specification.	No	18
14	Service existing showers including all necessary plumbing and sanitary fittings, glazing , ironmongery , etc.	No	28

SANITARY PLUMBING

PVC waste or vent pipes and fittings:

15	50mm Waste pipe.	m	77
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Plumbing and Drainage (Provisional)
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

16	110mm Pipe and laying in ground or filling not exceeding 2m deep including excavation, filling in and ramming.	m	26		
17	110mm Vent pipe fixed to wall with proprietary brackets at not exceeding 500mm centres.	m	12		
<u>uPVC gulleys</u>					
18	200mm Precast concrete gully dish and uPVC lowback assembly complete with 110mm P trap gulley (code UGB 40) including 190mm diameter head (code UGA 40) and grate (code UGG 40), not exceeding 750mm deep, jointed to 110mm drain pipe, including excavations for and encasing in concrete (15MPa crushing strength after 28 days) worked up to form kerb, finished smooth on top in 1:3 cement mortar.	No	2		
<u>Extra for:</u>					
19	50mm Bend.	No	20		
20	50mm Access bend.	No	10		
21	110mm Bend.	No	15		
22	110mm Access bend.	No	12		
<u>WATER SUPPLIES</u>					
<u>Polycop pipes:</u>					
Pipes shall be class 10.					
<u>Fixing of pipes</u>					
Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls etc. casting in, building in or suspending not exceeding 1m below suspension level					
<u>Polycop pipes chased in walls:</u>					
Where pipes have been chased in walls, the price for making good of plaster and paint etc shall be deemed to be included in the description of pipe chased in walls.					
Carried to Collection				R	
Section 1 Bill No. 14 Plumbing and Drainage (Provisional) Mthatha Campus - OLD STUDENT BOYS RESIDENCE					

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Class 10 Polycop pipes:

23	15mm Pipe chased into brick walls.	m	65
24	22mm Pipe chased into brick walls.	m	80

Extra over polycop pipes for compression fittings:

25	15mm Fittings.	No	16
26	22mm Fittings.	No	24

TESTING

27	Testing water pipe system		Item
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FIRE APPLIANCES ETC

"Chubb"

28	4,5kg Carbon dioxide fire extinguisher complete with 520 x 115 x 22mm thick timber blackboard plugged to wall and varnished	No	16
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Plumbing and Drainage (Provisional)
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

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Plumbing and Drainage (Provisional)

COLLECTION

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Plumbing and Drainage (Provisional)
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

Item No	Quantity	Rate	Amount
<u>BILL No. 15</u>			
<u>PAINTWORK</u>			
<u>Quantity Split:</u>			
Note that the total quantity per each item is split into the various buildings and appears below each description as follows:			
<u>MODEL PREAMBLES</u>			
The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Trade Names</u>			
Where trade names are specified it will read "or equal approved"			
<u>Epoxy paint</u>			
The product and its methodology for application must be approved by Principal Agent before it is used.			
Contractor must prepare a 1m x 1m sample in the presence of the Principal Agent. In this case, the Contractor must give at least 48 hours notice prior to the date when the application of the epoxy paint is intended to be done.			
Contractor to provide a Letter of Compliance confirming that epoxy paint has been applied as per Manufacturer's instructions and data sheet. Proof of payment for the epoxy paint must be provided to the Principal Agent once approval has been granted.			
<u>PAINTWORK, ETC. EXISTING WORK</u>			
Carried to Collection			R
Section 1 Bill No. 15 Paintwork Mthatha Campus - OLD STUDENT BOYS RESIDENCE			

ON STEEL

Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats eggshell enamel paint as per Plascon or equal approved:

1	On doors	m2	330
2	On door frames	m	63

Prepare and apply two coats carbolenium on:

3	On exposed timbers.	m2	5
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ON FIBRE-CEMENT

Prepare and apply two coats pure acrylic roof paint on:

4	On fascias and barge boards.	m2	15
5	On ceilings	m2	957

ON PLASTERED WALLS

Prepare and apply coat plaster primer and two coats wash and wear silk paint on existing wall

6	On external plastered walls	m2	770
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ON EXISTING CONCRETE SURFACES

Prepare and apply coat plaster primer and two coats wash and wear silk paint on existing wall

7	On internal concrete surface	m2	202
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ON SMOOTH CONCRETE

Two coats "cemcrete"Thermoplastic coating" applied in strict accordance with the manufacturer's instructions

8	On concrete floors	m2	1 036
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Carried to Collection

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Section 1
Bill No. 15
Paintwork
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

<u>Making good external or internal cement plastered walls</u>				
9	Walls in patches	m2	5	
<u>Stitching existing brick walls</u>				
10	10 x 30 x 0.5mm 'Menlath 213' mesh strips 205mm wide fixed by shot pinning or nail fixing to masonry walls over cracks exceeding 0.5mm but exceeding 2mm extending 100mm to either side of crack to both faces of the masonry wall	m2	14	
<u>Prepare and apply two coats black PVA paint:</u>				
<u>ON STEEL</u>				
<u>PAINTWORK ETC TO EXISTING WORK</u>				
<u>One coat alkyd based zinc phosphate primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on steel (rate to include preparation:</u>				
11	On steel windows	m2	674	
12	On existing steel roof	m2	1	
13	On steel columns	m2	1	
14	On steel balustrade	m2	22	
Carried to Collection				R
Section 1				
Bill No. 15				
Paintwork				
Mthatha Campus - OLD STUDENT BOYS RESIDENCE				

Section 1

Bill No. 15

Paintwork

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Paintwork
Mthatha Campus - OLD STUDENT BOYS RESIDENCE

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Repairs ,Renovations - OLD BOYS STUDENT RESIDENCE
KSD TVET COLLEGE- MTHATHA CAMPUS

9	Add: Profit		%	
10	Allow a sum of R160 000.00 for Water Boilers and Heaters system with electrical connections, clearv view fencing	Item		160 000.00
11	Add: Mark-up		%	
12	Add: Profit		%	
Carried to Collection				R
Section 1				
Bill No. 16				
Provisional Sums				
Mthatha Campus - OLD STUDENT BOYS RESIDENCE				

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Mthatha Campus - OLD STUDENT BOYS RESIDENCE

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