

SECTION NO. 1
PRELIMINARIES

HTS WELKOM HIGH SCHOOL

Amount

SECTION NO. 1
PRELIMINARIES

BUILDING AGREEMENT AND PRELIMINARIES

The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 as prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described

The ASAQS Preliminaries 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

Contractors are referred to the above mentioned documents for the full intent and meaning of each clause thereof

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

Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"

PREAMBLES FOR TRADES

The Model Preambles for Trades (1999 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claim arising from brevity of description of items fully described in the said Model Preambles will be entertained

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

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

PRICING OF PRELIMINARIES

Pricing of Prelims

- 1 Should the contractor select Option A in terms of clause 10.3 for the purpose of adjustment of these preliminaries, the amount entered in 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)

F: V: T:

Item

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SECTION A - PRINCIPAL BUILDING AGREEMENT

Definitions

2 Clause 1.0 - Definitions and interpretation

1.1 Definition of "**Commencement Date**" is added:

"**COMMENCEMENT DATE**" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:

"**CONSTRUCTION PERIOD**" means the period commencing on the date that possession of the site is given to the contractor and ending on the date of practical completion

Clause 1.1 Definition of "**Interest**" is amended by replacing it with the following:

INTEREST means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No.1 of 1999)

(a) In respect of interest owed by the employer, the interest rate as determined by the Minister of Justice and Constitutional Development, from time to time, in terms of section 1 (2) of the Prescribed Rate of Interest Act, 1975 (Act No. 55 of 1975), will apply; and

(b) in respect of interest owed to the employer, the interest rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999), will apply.

F: V: T:

Objective and preparation

3 Clause 2.0 - Offer, acceptance and performance

F: V: T:

4 Clause 3.0 - Documents

Clause 3.7 is amended by the addition of the following:

The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times

F: V: T:

5 Clause 4.0 - Design responsibility

F: V: T:

6 Clause 5.0 - Employer's agents

F: V: T:

7 Clause 6.0 - Site representative

F: V: T:

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8	Clause 7.0 - Compliance with regulations F: V: T:	Item
9	The provisions herein include inter alia, compliance with all the requirements, without limiting the generality of the provisions of Clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2014 issued in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) and in particular with Regulation 7(1)(a) requiring the compilation of a health and safety plan, as well as Regulation 8(5) requiring the appointment of a Construction Health and Safety Officer, the necessary documented health and safety specifications 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 F: V: T:	Item
10	Clause 8.0 - Works risk F: V: T:	Item
11	Clause 9.0 - Indemnities F: V: T:	Item
12	Clause 10.0 - Works insurances F: V: T:	Item
13	Clause 10.0 Clause 10.0 is amended by the addition of the following clauses: 10.5 Damage to the Works (a) Without in any way limiting the contractors obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary (b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works (c) The employer shall carry the risk of damage to or destruction of the works and material paid for by the employer that is the result of the excepted risks as set out in 10.6 (d) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof 10.6 Injury to Persons or loss of or damage to Properties	
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(a) **The contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable

(b) The **contractor** shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable

(c)The **contractor** shall, upon receiving a contract instruction from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the **contractor**

(d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion

(e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall and will remain adequately insured or insured against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed

(f)The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works

10.7 High risk insurance

In the event of the project being executed in a geological area classified as a High Risk Area, that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The contractor shall, from the commencement date of the works until the date of the certificate of practical completion bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary

When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs

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10.7.2 Injury to persons or loss of or damage to property

The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract

10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractors obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works , submit to the employer proof of such insurance policy, if requested to do so

10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractors default of his obligations as set out in 10. 7.1; 10. 7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole

Item

F: V: T:

14 Clause 11.0 - Liability insurances

Item

F: V: T:

15 Clause 12.0 - Effecting insurances

Item

F: V: T:

16 Clause 13.0 - No clause

N/A

F: V: T:

17 Clause 14.0 - Security

Item

F: V: T:

18 Clauses 14.1 - 14.8 are amended by replacing them with the following:

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14.1 In respect of contracts with a contract sum up to R1 million, the security to be submitted by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) 14.1.1 The payment reduction of the value certified in a payment certificate shall be *mutatis mutandi* in terms of 31.8(A)

14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employers entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor

14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule. Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date. Should the contractor fail to select the security to be provided

or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date, the security in terms of 14.7 shall be deemed to have been selected.

14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:

14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date

14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor

14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1 %) of the contract value (excluding VAT) and refund the balance to the contractor

14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor

14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employers entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor

14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party

14.4 Where security as a variable construction guarantee of ten per cent (10%) of the contract sum (excluding VAT) has been selected:

14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum

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(excluding VAT) within twenty-one (21) calendar days from commencement date	
14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender	
14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring	
14.4.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall issue a written demand in terms of the variable construction guarantee	
14.5 Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:	
14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT)	
14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of practical completion	
14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring	
14.5.4 The payment reduction of the value certified in a payment certificate shall be in terms of 31.8 (A) and 34.8	
14.5.5 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both	
14.6 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:	
14.6.1 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date	
14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor	
14.6.3 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)	
14.6.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both	
14.7 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:	
14.7.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(8)	
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14.7.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employers entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the contractor

14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement

14.9 Should the contractor fail to furnish the security in terms of 14.2, the employer, in his sole discretion and without notification to the contractor, is entitled to change the contractors selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), whereafter 14. 7 shall be applicable

Item

F: V: T:

Execution

19 Clause 15.0 - Preparation for and execution of the works

Item

F: V: T:

20 Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No Clause

Clause 15.1 is amended by the addition of the following clause:

15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), Construction Regulations 2014 as per Government notice within twenty-one (21) calendar days of commencement date

Clause 15.2.1 is amended by replacing it with the following clause:

Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.2 and 15.1.4

Item

F: V: T:

21 Clause 16.0 - Access to the works

Item

F: V: T:

22 Clause 17.0 - Contract instructions

Item

F: V: T:

23 Clause 18.0 - Setting out of the works

Item

F: V: T:

Carried Forward

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24	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
25	Clause 19.0 - Assignment F: V: T:	Item
26	Clause 20.0 - Nominated subcontractors F: V: T:	Item
	Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums F: V: T:	Item
27	Clause 20.1.3 is amended by replacing it with the following: No Clause	
28	Clause 21.0 - Selected subcontractors F: V: T:	Item
29	Clause 21 is amended by replacing it with: No Clause F: V: T:	Item
30	Clause 22.0 - Employer's direct contractors F: V: T:	Item
31	Clause 23.0 - Contractor's domestic subcontractors F: V: T:	Item
	<u>Completion</u>	
32	Clause 24.0 - Practical completion F: V: T:	Item
33	Clause 25.0 - Works completion F: V: T:	Item
34	Clause 26.0 - Final completion F: V: T:	Item
35	Clause 27.0 - Latent defects liability period F: V: T:	Item
36	Clause 28.0 - Sectional completion F: V: T:	Item
37	Clause 29.0 - Revision of the date for practical completion F: V: T:	Item
38	The removal and replacement of materials and/or workmanship which do not conform to specification or drawings shall not constitute grounds for an extension of the construction period nor for an adjustment to the contract value (clause 29.3) F: V: T:	Item
Carried Forward		R
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39	Clause 30.0 - Penalty for noncompletion F: V: T:	Item
	Payment	
40	Clause 31.0 - Interim payment to the contractor F: V: T:	Item
41	The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.4 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable F: V: T:	Item
42	Clause 31.8 is amended by replacing it with the following two alternative clauses: Alternative A 31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments: 31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion 31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion 31.8(A).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6 31.8(A).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate Alternative B 31.8(8) Where security is a payment reduction in terms of 14.7 the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments: 31.8(8).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion 31.8(8).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion 31.8(8).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6	
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	31.8(8).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate	
	31.9 is amended by replacing "twenty-one (21) calender days" with thirty (30) calender days Clause 31.12 is amended by deleting the following: Payment shall be subject to the employer giving the contractor a tax invoice for the amount due	Item
	F: V: T:	
43	Clause 32.0 - Adjustment to the contract value	Item
	F: V: T:	
44	Clauses 32. 5. 1, 32. 5.4 and 32. 5. 7 are amended by the addition of the following at the end of the sentence: "due to no fault of the contractor "	Item
	F: V: T:	
45	Clause 33.0 - Recovery of expense and loss	Item
	F: V: T:	
46	Clause 33.2 is amended by adding the following clauses: 33.2.9 the contractors failure or neglect to commence with the works on the dates prescribed in the contract 33.2.10 the contractors failure or neglect to proceed with the works in terms of the contract 33.2.11 the contractors failure or neglect for any reason to complete the works in accordance with the contract 33.2.12 the contractors refusal or neglect to comply strictly with any of the conditions of contract or any contract instructions and/or orders in writing given in terms of the contract 33.2.13 the contractors estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa	Item
	F: V: T:	
47	Clause 34.0 - Final account and final payment	Item
	F: V: T:	
48	Clause 34.13 is amended by replacing seven (7) calendar days with twenty-one (21) calendar days and deleting the words subject to the employer giving the contractor a tax invoice for the amount due	Item
	F: V: T:	
49	Clause 35.0 - Payment to other parties	Item
	F: V: T:	
	<u>Cancellation</u>	
50	Clause 36.0 - Cancellation by employer - contractor's default	Item
	F: V: T:	
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51	<p>Clause 36.3 is amended by removing the reference to No clause and replacing the words principal agent with employer</p> <p>Clause 36.0 is amended by the addition of the following clause:</p> <p>36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>F: V: T:</p>	Item
52	<p>Clause 37.0 - Cancellation by employer - loss and damage</p> <p>F: V: T:</p>	Item
53	<p>Clause 37.0 is amended by the addition of the following clause:</p> <p>37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>F: V: T:</p>	Item
54	<p>Clause 38.0 - Cancellation by contractor - employer's default</p> <p>F: V: T:</p>	Item
55	<p>Clause 38.0 is amended by the addition of the following clause:</p> <p>38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>F: V: T:</p>	Item
56	<p>Clause 39.0 - Cancellation - cessation of the works</p> <p>F: V: T:</p>	Item
	<u>Dispute</u>	
57	<p>Clause 40.0 - Dispute settlement</p> <p>F: V: T:</p>	Item
58	<p>Clause 40.2.2 is amended by replacing one (1) year with three (3) years</p> <p>Clause 40.6 is amended by removing the reference to:</p> <p>No clause</p> <p>Clause 40. 7.1 is amended by replacing (10) with (15) and by the addition of the following:</p>	
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Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs

Item

F: V: T:

Substitute provisions

59 Clause 41.0 - State clauses

Item

F: V: T:

Contract variables

60 Clause 42.0 - Pre-tender information

Item

F: V: T:

61 User Note -All information for this section requires consultation with the contractor. The principal agent should not pre-select any of the alternatives available to the contractor

Item

F: V: T:

62 Information necessary for the completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder

Item

F: V: T:

63 Clause 42.0 - Post-tender information

Item

F: V: T:

64 The required post-tender information shall be inserted in the agreement after consultation with the contractor

Item

F: V: T:

42.1 CONTRACTING AND OTHER PARTIES

42.1.1 Employer:

Postal address:Code:
.....

Tel:Fax:

E-mail: Tax/VAT registration No:

Physical address:
.....

42.1.2 Principal agent:

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Postal address:Code:
.....

Tel:Fax: E-mail:

42.1.3 Agent (1)

Agent's service:

Postal address:

.....Code:

Tel:Fax:

E-mail:

42.1.4 Agent (2)

Agent's service:

Postal address:

.....Code:

Tel:Fax:

E-mail:

42.1.5 Agent (3)

Agent's service:

Postal address:

.....Code:

Tel:Fax:

E-mail:

42.1.6 Agent (4)

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Agent's service:

Postal address:

.....Code:

Tel:Fax:

E-mail:

42.1.7 Agent (5)

Agent's service:

Postal address:

.....Code:

Tel:Fax:

E-mail:

42.1.8 Agent (6)

Agent's service:

Postal address:

.....Code:

Tel:Fax:

E-mail:

42.1.9 Agent (7)

Agent's service:

Postal address:

.....Code:

Tel:Fax:

E-mail:

Carried Forward

R

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	<u>42.2 CONTRACT DETAILS</u>	
65	42.2.1 Works description:	
	
	
	
	F: V: T:	
66	42.2.3 Work or installations by direct contractors	
	
	
	
	
	
	
	
	F: V: T:	
67	42.2.2 Site description:	
	
	
	
	F: V: T:	
68	42.2.4 Specific options that are applicable to a state organ only	
	Where so:	
	(1) Interest rate legislation:	
	(2) Lateral support insurance to be effected by the contractor - Yes	
	(3) Payment will be made for materials and goods - Yes	
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		Amount
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	(4) Dispute resolution by litigation - No	
	(5) Extended defects liability period applicable	
	
	
	
	
	
	F: V: T:	Item
69	42.2.5 Possession of the site is intended to be given on (date)...(once adjudication is completed, NoC is approved and contract is signed)..	Item
	F: V: T:	
70	42.2.6 Period for the commencement of the works after	
	the contractor takes possession of the site (No of working days)To be confirmed upon contract award.....	Item
	F: V: T:	
71	42.2.7 For the works as a whole: The date for practical completion and the penalty per calendar day	
	Date Penalty R.....	Item
	F: V: T:	
72	42.2.8 For the works in sections: The date for practical completion and the penalty per calendar day - N/A	
	Section 1 Date Penalty R.....	
	Section 2 Date Penalty R.....	
	Section 3 Date Penalty R.....	
	Section 4 Date Penalty R.....	
	Section 5 Date Penalty R	
	Section 6 Date Penalty R	Item
	F: V: T:	
	Carried Forward	R

HTS WELKOM HIGH SCHOOL

		Amount
	Brought Forward	
73	42.2.9 The law applicable to this agreement shall be that of (country)South Africa..... F: V: T:	Item
	<u>42.3 INSURANCES</u>	
74	42.3.1 Contract works insurance to be effected by contractor For the sum of: R With a deductible of: R F: V: T:	Item
75	42.3.2 Supplementary insurance is required - No F: V: T:	Item
76	42.3.3 Public liability insurance to be effected by contractor For the sum of: R..... With a deductible of: R..... F: V: T:	Item
77	42.3.4 Support insurance to be effected by employer F: V: T:	
	<u>42.4 DOCUMENTS</u>	
78	42.4.1 Waiver of the contractor's lien or right of continuing possession is required - Yes F: V: T:	Item
79	42.4.2 Construction document copies to be supplied to the contractor free of charge (No of 3) - Yes F: V: T:	Item
80	42.4.3 State measuring system used for drawing up bills of quantities - Lump sum document F: V: T:	Item
81	42.4.4 Number of working days for submission of priced documents (No. of working days from advert to closing date of tender) F: V: T:	Item
	Carried Forward	R

HTS WELKOM HIGH SCHOOL

Amount

		Brought Forward	
<u>SECTION B - PRELIMINARIES</u>			
<u>Definitions and interpretation</u>			
85	Clause 1.0 - Definitions and interpretation F: V: T:		Item
<u>Documents</u>			
86	Clause 2.1 - Checking of documents F: V: T:		Item
87	Clause 2.2 - Provisional bills of quantities F: V: T:		Item
88	Clause 2.3 - Availability of construction documentation F: V: T:		Item
89	Clause 2.4 - Interests of agents F: V: T:		Item
90	Clause 2.5 - Priced documents F: V: T:		Item
91	Clause 2.6 - Tender submission F: V: T:		Item
92	Tenders shall be valid for a period of ? days from the closing date of tenders F: V: T:		Item
93	Clause 2.6 is amended by replacing JBCC Form of Tender with "Form of Offer/Tender" included in the returnable schedules F: V: T:		Item
<u>The site</u>			
94	Clause 3.1 - Defined works area F: V: T:		Item
95	The area of the works to be occupied by the contractor is indicated on architect's drawing F: V: T:		Item
96	Clause 3.2 - Geotechnical investigation F: V: T:		Item
97	Clause 3.3 - Inspection of the site F: V: T:		Item
98	Tenderers shall complete the Site INspection Certificate included in the tender documents and return the same with the tender submission F: V: T:		Item
99	Clause 3.4 - Existing premises occupied F: V: T:		Item
100	Clause 3.5 - Previous work - dimensional accuracy F: V: T:		Item
		Carried Forward	R
HTS WELKOM HIGH SCHOOL			

Amount

Brought Forward

101	Clause 3.6 - Previous work - defects F: V: T:	Item
102	Clause 3.7 - Services - known F: V: T:	Item
103	Clause 3.8 - Services - unknown F: V: T:	Item
104	Clause 3.9 - Protection of trees F: V: T:	Item
105	Clause 3.10 - Articles of value F: V: T:	Item
106	Clause 3.11 - Inspection of adjoining properties F: V: T:	Item
	<u>Management of contract</u>	
107	Clause 4.1 - Management of the works F: V: T:	Item
108	Clause 4.2 - Programme for the works F: V: T:	Item
109	Clause 4.3 - Progress meetings F: V: T:	Item
110	Clause 4.4 - Technical meetings F: V: T:	Item
111	Clause 4.5 - Labour and plant records F: V: T:	Item
	<u>Samples, shop drawings and manufacturer's instructions</u>	
112	Clause 5.1 - Samples of materials F: V: T:	Item
113	Clause 5.2 - Workmanship samples F: V: T:	Item
114	Clause 5.3 - Shop drawings F: V: T:	Item
115	Clause 5.4 - Compliance with manufacturers' instructions F: V: T:	Item
	<u>Temporary works and plant</u>	
116	Clause 6.1 - Deposits and fees F: V: T:	Item
117	Clause 6.2 - Enclosure of the works F: V: T:	Item
118	Clause 6.3 - Advertising F: V: T:	Item

Carried Forward

R

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Amount

Brought Forward

119	Clause 6.4 - Plant, equipment, sheds and offices F: V: T:	Item
120	Clause 6.5 - Main noticeboard F: V: T:	Item
121	Clause 6.6 - Subcontractors' noticeboard F: V: T:	Item
	<u>Temporary services</u>	
122	Clause 7.1 - Location F: V: T:	Item
123	Clause 7.2 - Water F: V: T:	Item
124	Clause 7.3 - Electricity F: V: T:	Item
125	Clause 7.4 - Telecommunication facilities F: V: T:	Item
126	Clause 7.5 - Ablution facilities F: V: T:	Item
	<u>Prime cost amounts</u>	
127	Clause 8.1 - Responsibility for prime cost amounts F: V: T:	Item
	<u>Attendance on nominated/selected subcontractors</u>	
128	Clause 9.1 - General attendance F: V: T:	Item
129	Clause 9.2 - Special attendance F: V: T:	Item
130	Clause 9.3 - Commissioning - fuel, water and electricity F: V: T:	Item
	<u>Financial aspects</u>	
131	Clause 10.1 - Statutory taxes, duties and levies F: V: T:	Item
132	Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT) F: V: T:	Item
133	Clause 10.2 - Payment of preliminaries F: V: T:	Item
134	Clause 10.3 - Adjustment of preliminaries F: V: T:	Item

Carried Forward

R

HTS WELKOM HIGH SCHOOL

Amount

Brought Forward

135 Should the contractor select Option B but fail to provide the information required prior to the signing of the contract, the principal agent shall have the right to select either Option A or B for the adjustment of preliminaries. If the principal agent selects Option B he shall be entitled to make assumptions at his discretion regarding the information which the contractor would normally have provided prior to the signing of the contract Item

F: V: T:

136 Clause 10.4 - Payment certificate cash flow Item

F: V: T:

General

137 Clause 11.1 - Protection of the works Item

F: V: T:

138 Clause 11.2 - Protection/isolation of existing/sectionally occupied works Item

F: V: T:

139 Clause 11.3 - Security of the works Item

F: V: T:

140 Clause 11.4 - Notice before covering work Item

F: V: T:

141 Clause 11.5 - Disturbance Item

F: V: T:

142 Clause 11.6 - Environmental disturbance Item

F: V: T:

143 ?A copy of the environmental management plan is annexed to these bills of quantities. The contractor shall comply with all the requirements of such environmental management plan? Item

F: V: T:

144 Clause 11.7 - Works cleaning and clearing Item

F: V: T:

145 Clause 11.8 - Vermin Item

F: V: T:

146 Clause 11.9 - Overhand work Item

F: V: T:

147 Clause 11.10 - Instruction manuals and guarantees Item

F: V: T:

148 Clause 11.11 - As built information Item

F: V: T:

149 Clause 11.12 - Tenant installations Item

F: V: T:

Schedule of variables

150 12.1 - Pre-tender information Item

F: V: T:

Carried Forward

R

HTS WELKOM HIGH SCHOOL

Amount

Brought Forward

- 151 Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that either specific requirements are not required or that the clause is not relevant to this specific contract Item
 F: V: T:
- 152 12.1.1 - Provisional bills of quantities [clause 2.2] Item
 F: V: T:
- 153 The quantities are provisional - yes Item
 F: V: T:
- 154 12.1.2 - Availability of construction documentation [clause 2.3] Item
 F: V: T:
- 155 Construction documentation is complete - yes Item
 F: V: T:
- 156 12.1.3 - Interests of agents [clause 2.4] - None Item
 F: V: T:
- 157 12.1.4 - Defined works area [clause 3.1] Item
 Restrictions will be pointed out at the site inspection
 F: V: T:
- 158 12.1.5 - Geotechnical investigation [clause 3.2] Item
 F: V: T:
- 159 12.1.6 - Existing premises occupied [clause 3.4] - Yes, operational school Item
 F: V: T:
- 160 12.1.7 - Previous work - dimensional accuracy [clause 3.5] Item
 F: V: T:
- 161 12.1.8 - Previous work - defects [clause 3.6] Item
 F: V: T:
- 162 12.1.9 - Services - known [clause 3.7] Item
 Existing services and points of connection will be pointed out on site by the principal agent
 F: V: T:
- 163 12.1.10 - Protection of trees [clause 3.9] Item
 F: V: T:
- 164 12.1.11 - Inspection of adjoining properties [clause 3.11] Item
 F: V: T:
- 165 12.1.12 - Enclosure of the works [clause 6.2] Item
 F: V: T:
- 166 12.1.13 - Offices [clause 6.4.3] Item
 Specific requirements:

Carried Forward

R

HTS WELKOM HIGH SCHOOL

Amount

Brought Forward

	The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.	Item	
	F: V: T:		
167	12.1.14 - Main noticeboard [clause 6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering.	Item	
	F: V: T:		
168	12.1.15 - Subcontractors' noticeboard [clause 6.6]	Item	
	F: V: T:		
169	A noticeboard is required - yes	Item	
	F: V: T:		
170	12.1.16 - Water [clause 7.2]	Item	
	F: V: T:		
171	Option A (by contractor) yes Option B (by employer - free of charge) no Option C (by employer - metered) no	Item	
	F: V: T:		
172	12.1.17 - Electricity [clause 7.3]	Item	
	F: V: T:		
173	Option A (by contractor) yes Option B (by employer - free of charge) no Option C (by employer - metered) no	Item	
	F: V: T:		
174	12.1.18 - Telecommunications [clause 7.4]	Item	
	F: V: T:		
175	Telephone yes Facsimile yes E-mail yes	Item	
	F: V: T:		
	Carried Forward	R	

HTS WELKOM HIGH SCHOOL

Amount

Brought Forward

176	12.1.19 - Ablution facilities [clause 7.5] F: V: T:	Item
177	Option A (by contractor) yes Option B (by employer) no F: V: T:	Item
178	12.1.20 - Protection/isolation of existing/sectionally occupied works [clause 11.2] F: V: T:	Item
179	Protection/isolation is required - yes F: V: T:	Item
180	12.1.21 - Special attendance [clause 9.2] F: V: T:	Item
181	12.1.22 - Protection of the works [clause 11.1] F: V: T:	Item
182	12.1.23 - Disturbance [clause 11.5] F: V: T:	Item
183	[11.5] Specific requirements: The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent F: V: T:	Item
184	12.1.24 - Environmental disturbance [clause 11.6] F: V: T:	Item
185	12.2 - Post-tender information F: V: T:	Item
186	The required post-tender information shall be inserted in the preliminaries after consultation with the contractor F: V: T:	Item

SECTION C - SPECIFIC PRELIMINARIES

User Notes-

User Note - All information for this section requires consultation with the contractor. The principal agent should not pre-select any of the alternatives available to the contractor

User Note - Selected examples of typical clauses are provided to show possible ways of describing such clauses. Users must delete, adapt or add to these examples to suit their particular circumstances

Carried Forward

R

HTS WELKOM HIGH SCHOOL

Amount

Brought Forward

Site instructions

187 Site instructions issued on site are to be recorded in triplicate in a site instruction book which is to be provided and maintained on site by the contractor

Item

F: V: T:

Warranties for materials and workmanship

188 Where warranties for materials 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 certified completion of the contract, and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice 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.

Item

F: V: T:

Co-operation of contractor for cost management

189 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 procedures 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

Item

F: V: T:

Confidentiality

190 The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works

No information regarding this project shall be published or disclosed without the prior written consent of the employer

Item

F: V: T:

Carried Forward

R

HTS WELKOM HIGH SCHOOL

Amount

Brought Forward

Propping of floors below

191 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

Item

F: V: T:

Testing of windows for watertightness

192 Each window shall be tested for watertightness with water sprayed on by means of a 20mm hosepipe using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure in the hosepipe shall be boosted by means of compressed air or other approved means

Item

F: V: T:

Testing of flat roof waterproofing for watertightness

193 Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least 36 hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing

Item

F: V: T:

Trade names

194 Wherever a trade name for any product has been described in the bills of quantities, the tenderers attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained

prior to the closing date for submission of tenders

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

Item

F: V: T:

Contract drawings

195 The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed

Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent

Item

F: V: T:

Carried Forward

R

HTS WELKOM HIGH SCHOOL

Amount

Brought Forward

Occupational Health and Safety

196 Allowance to be made under this clause for compliance with all requirements of the occupational health and safety act and regulations

Item

F: V: T:

197 **Health & Safety (clause C15)**

The Contractor shall allow for Health and Safety according to the Occupational Health and Safety Act, 1993, Construction Regulations 2014 as per Government Notice. Contractor to include all OHS requirements such as PPE, safety file, training, medicals, signage, safety officer and covid regulations

Item

F: V: T:

198 Occupational Health and Safety Act

The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities/ lump sum document The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory.

In the event of partial or total non-compliance, the Employer, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause, as well as the clauses that follow hereafter and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under these clauses and no additional claims in this regard shall be entertained

Item

F: V: T:

199 The contractor shall also comply with the additional requirements with regard to the Coronavirus pandemic in terms of all Covid-19 legislation, regulations and guidelines. It is explicitly pointed out that all requirements of the aforementioned are deemed to be priced under this clause and the specific related clauses hereafter and no additional claims in this regard shall be entertained

Item

F: V: T:

Provision of protective personal equipment (PPE)

200 Provision of reflective vests

Item

F: V: T:

201 Provision of hard hats

Item

F: V: T:

202 Provision of protective footwear

Item

F: V: T:

Carried Forward

R

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Amount

Brought Forward

203	Provision of ear plugs F: V: T:	Item
204	Provision of dust masks F: V: T:	Item
205	Provision of gloves F: V: T:	Item
206	Provision of high visibility overalls to SARTSM Chapter 13 Level 3 F: V: T:	Item
207	Provision of SANS approved ear defenders F: V: T:	Item
208	Provision of of face masks (Covid -19) F: V: T:	Item
209	Provision of of face shields (Covid -19) F: V: T:	Item
210	Provision of hand sanitiser (min 70% alcoholl, foot press stands and paper towels (Covid -19) F: V: T:	Item
211	Provision of full time construction health and safety officer (SACPCMP Registered) F: V: T:	Item

SUMMARY OF CATEGORIES

Categories

212	Category: Fixed F:.....	
	Category: Value V:.....	
	Category: Time T:.....	Item
	F: V: T:	

Carried To Section Summary

R

HTS WELKOM HIGH SCHOOL

Amount

SECTION NO. 1
PRELIMINARIES
SECTION SUMMARY

Preliminaries

Page

1-31

Carried to Final Summary

R

HTS WELKOM HIGH SCHOOL

SECTION NO. 2

BUILDINGS

HTS WELKOM HIGH SCHOOL

Unit Quantity Rate Amount

SECTION NO. 2

BUILDINGS

BILL NO. 1

ALTERATIONS

<u>Key:</u>	<u>Location Description:</u>
Item	Item
A	BLOCK A - Classroom
C	BLOCK C - Admin & CI
D	BLOCK D - Ablutions
E	BLOCK E - Admin, Abtn
F	BLOCK F - Classroom
H	Block H - Classroom
I	Block I - Admin
J	Block J - Dining
K	Block K - Hall
N	Block N - Caretaker
P	Block P - Caretaker
Q	Block Q - Library
R	Block R - Classroom
S	Block S - Gym
T	Block T - Carport
X	Block X - Classroom
YZ	Block YZ - Classroom
AA	Block AA - Workshop
AB	Block AB - Workshops
AC	Block AC - Classroom
ADAE	Block AD/AE - Wrkshp
AG	Block AG - Transform
AI	Block AI - Transform
A1&2	Block A1 & A2
AH	Block AH - Transform

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 salvageable from the alterations. 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

General

Note to tenderers: The removal, storage, disposal, etc of asbestos sheeting, etc to be executed in strict accordance to the bye laws (OHS) regarding same by a specialist asbestos sub-contractor. Prices to include for this.

Carried to Collection

R

HTS WELKOM HIGH SCHOOL

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
6	Single security gate, 925 x 2032mm high AH 1	No	1		
7	Double security gate, 3 500 x 2032mm high T 2	No	2		
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>				
8	Corrugated sheet steel roof covering and timber purlins A 50 C 50 E 378 AA 924	m ²	1 402		
9	Corrugated asbestos roof covering and timber purlins Q 350 S 37 AB 1836 AI 146 AH 100	m ²	2 469		
10	Roof insulation I 336 AA 924 AB 1837 AI 146 AH 100	m ²	3 343		
11	Fibre cement fascias and bargeboards A 94 C 88 E 104 I 86 N 64 R 122 AA 152 AB 176 AC 176 ADAE 326 AI 48 AH 47	m	1 483		
12	Gutters and rainwater pipes A 85 C 79 E 95 I 86 N 52 YZ 124 AA 132 AB 12 AC 170 ADAE 376 AI 43	m	1 254		
13	Gypsum plasterboard ceilings, including timber brandering, cornices, etc A 366 C 288 D 450 E 320 H 205 I 672 N 110 Q 350 R 955 YZ 422 AB 1836 ADAE 2072 AI 146 A1&2 794	m ²	8 986		
	<u>Taking out and removing sundry joinery work, fittings, etc</u>				
14	Timber skirtings A 80 C 178 D 290 E 154 H 142 Q 108 R 456 S 100 X 350 YZ 234 AC 293 A1&2 560	m	2 945		
	Carried to Collection				
					R
HTS WELKOM HIGH SCHOOL					

Amount

BILL NO. 1
ALTERATIONS
COLLECTION

Page No

Brought Forward from Page

2-2

2-3

2-4

2-5

2-6

Carried To Section Summary

HTS WELKOM HIGH SCHOOL

R

			Unit	Quantity	Rate	Amount
SECTION NO. 2						
BUILDINGS						
BILL NO. 2						
EARTHWORKS						
Key:		Location Description:				
Item		Item				
A		BLOCK A - Classroom				
C		BLOCK C - Admin & CI				
D		BLOCK D - Ablutions				
E		BLOCK E - Admin, Abtn				
F		BLOCK F - Classroom				
H		Block H - Classroom				
I		Block I - Admin				
J		Block J - Dining				
K		Block K - Hall				
N		Block N - Caretaker				
P		Block P - Caretaker				
Q		Block Q - Library				
R		Block R - Classroom				
S		Block S - Gym				
T		Block T - Carport				
X		Block X - Classroom				
YZ		Block YZ - Classroom				
AA		Block AA - Workshop				
AB		Block AB - Workshops				
AC		Block AC - Classroom				
ADAE		Block AD/AE - Wrkshp				
AG		Block AG - Transform				
AI		Block AI - Transform				
A1&2		Block A1 & A2				
AH		Block AH - Transform				
EARTHWORKS (PROVISIONAL)						
EXCAVATION, FILLING, ETC OTHER THAN BULK						
Excavation in earth not exceeding 2m deep						
1	Reduced levels under floors		m ³	128		
	J	72	S	56		
2	Trenches		m ³	69		
	J	69				
3	Narrow pit		m ³	231		
	N	67	P	55	S	109
4	Underpinning in 1m alternating sections under existing foundations		m ³	58		
	N	17	P	14	S	27
Carried to Collection						
HTS WELKOM HIGH SCHOOL						R

DEVELOPMENT BANK OF SOUTH AFRICA

					Unit	Quantity	Rate	Amount
<u>Extra over bulk excavations in earth for excavation in</u>								
5	Soft rock				m ³	41		
	J 7	N 8		P 7				
	S 19							
6	Intermediate				m ³	39		
	J 5	N 8		P 7				
	S 19							
7	Hard rock				m ³	20		
	J 3	N 4		P 4				
	S 9							
<u>Back excavation of vertical sides of excavations in earth for working space including backfilling compacted to ?% Mod AASHTO density</u>								
8	Not exceeding 500mm deep for placing and removing formwork to walls from excavated face				m ²	196		
	J 99	N 28		P 23				
	S 46							
<u>Extra over all excavations for carting away</u>								
9	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor				m ³	196		
	J 72	N 20		P 16				
	S 88							
<u>Risk of collapse of excavations</u>								
10	Sides of excavations not exceeding 1,5m deep				m ²	199		
	J 199							
11	Sides of excavations exceeding 1,5m deep				m ²	290		
	N 84	P 69		S 137				
<u>Keeping excavations free of water</u>								
12	Keeping excavations free of all water other than subterranean water				Item			
	Item 1							
<u>FILLING, ETC</u>								
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density</u>								
13	Under floors, steps, pavings, etc				m ³	56		
	S 56							
14	Backfilling to trenches, holes, etc.				m ³	119		
	J 10	N 30		P 27				
	S 52							
							Carried to Collection	
								R
HTS WELKOM HIGH SCHOOL								

DEVELOPMENT BANK OF SOUTH AFRICA

					Unit	Quantity	Rate	Amount
<u>Filling of G7 supplied by the contractor, compacted to 95% Mod AASHTO density</u>								
15	Backfilling to trenches, holes, etc				m ³	132		
	J	23	N	30			P	27
	S	52						
16	Under floors, steps, paving, etc.				m ³	78		
	J	78						
<u>Filling of coarse river sand supplied by the contractor, consolidated</u>								
17	Under floors etc				m ³	15		
	J	4	S	11				
<u>Compaction of ground surfaces</u>								
18	Compaction of natural or excavated ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density				m ²	431		
	J	156	S	275				
19	Bottoms of trenches, holes, etc				m ²	267		
	J	74	N	56			P	46
	S	91						
<u>WEED KILLERS, INSECTICIDES, ETC</u>								
<u>Soil insecticide in accordance with SANS 5859</u>								
20	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming				m ²	531		
	J	156	S	375				
21	To bottoms and sides of trenches etc				m ²	461		
	J	268	N	56			P	46
	S	91						
Carried to Collection								
								R

HTS WELKOM HIGH SCHOOL

Amount

BILL NO. 2
EARTHWORKS
COLLECTION

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Carried To Section Summary

HTS WELKOM HIGH SCHOOL

R

			Unit	Quantity	Rate	Amount
SECTION NO. 2						
BUILDINGS						
BILL NO. 3						
CONCRETE, FORMWORK AND REINFORCEMENT						
Key:	Location Description:					
Item	Item					
A	BLOCK A - Classroom					
C	BLOCK C - Admin & CI					
D	BLOCK D - Ablutions					
E	BLOCK E - Admin, Abtn					
F	BLOCK F - Classroom					
H	Block H - Classroom					
I	Block I - Admin					
J	Block J - Dining					
K	Block K - Hall					
N	Block N - Caretaker					
P	Block P - Caretaker					
Q	Block Q - Library					
R	Block R - Classroom					
S	Block S - Gym					
T	Block T - Carport					
X	Block X - Classroom					
YZ	Block YZ - Classroom					
AA	Block AA - Workshop					
AB	Block AB - Workshops					
AC	Block AC - Classroom					
ADAE	Block AD/AE - Wrkshp					
AG	Block AG - Transform					
AI	Block AI - Transform					
A1&2	Block A1 & A2					
AH	Block AH - Transform					
UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES						
15Mpa/19mm concrete						
1	Surface blinding under footings			m ³	14	
	J	4	N	3	P	2
	S	5				
REINFORCED CONCRETE						
25 Mpa/19mm Concrete:						
2	Strip footings			m ³	18	
	J	18				
3	Surface beds on waterproofing			m ³	75	
	J	19	S	56		
Carried to Collection						R
HTS WELKOM HIGH SCHOOL						

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
4	Underpinning strip footings in 1m alternating sections under existing footings N 17 P 14 S 27	m ³	58		
	<u>TEST BLOCKS</u>				
	<u>Test blocks:</u>				
5	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes. J 5 N 3 P 3 S 13	Sets	24		
	<u>CONCRETE SUNDRIES</u>				
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
6	Surface beds, slabs, etc J 156 S 375	m ²	531		
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Rough Formwork to Sides:</u>				
7	Footings J 199 N 56 P 46 S 91	m	392		
	<u>Boxing in rough formwork to form</u>				
8	25 x 25mm Chamfers along top or bottom edges S 22	m	22		
	<u>MOVEMENT JOINTS ETC</u>				
	<u>Slip joints with three layers of damp proof sheeting between horizontal concrete and brick surfaces including cement mortar bed:</u>				
9	Not exceeding 300mm wide. J 70 S 179	m	249		
	<u>Expansion joints with bitumen emulsion paint between horizontal concrete and brick surfaces:</u>				
10	Joints not exceeding 300mm high. J 28 S 45	m	73		
	<u>Saw cut joints:</u>				
11	3 x 25mm Saw cut joints in two operations in top of concrete. J 92 S 384	m	476		
	<u>REINFORCEMENT</u>				
	<u>Mild steel reinforcement to structural concrete work:</u>				
12	Bars of varying diameters. J 1 N 1 P 1 S 2	Tonnes	5		
	Carried to Collection				
	HTS WELKOM HIGH SCHOOL				
				R	

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
13	Bars of varying diameters. N 1 P 1 S 1 <u>Fabric reinforcement:</u>	Tonnes	3		
14	Type 193 fabric reinforcement in concrete surface beds, slabs, etc. J 156 S 375 <u>TEST BLOCKS</u>	m ²	531		
Carried to Collection					
HTS WELKOM HIGH SCHOOL					R

Amount

BILL NO. 3

CONCRETE, FORMWORK AND REINFORCEMENT

COLLECTION

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Carried To Section Summary

HTS WELKOM HIGH SCHOOL

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		Unit	Quantity	Rate	Amount
SECTION NO. 2					
BUILDINGS					
BILL NO. 4					
MASONRY					
Key:	Location Description:				
Item	Item				
A	BLOCK A - Classroom				
C	BLOCK C - Admin & CI				
D	BLOCK D - Ablutions				
E	BLOCK E - Admin, Abtn				
F	BLOCK F - Classroom				
H	Block H - Classroom				
I	Block I - Admin				
J	Block J - Dining				
K	Block K - Hall				
N	Block N - Caretaker				
P	Block P - Caretaker				
Q	Block Q - Library				
R	Block R - Classroom				
S	Block S - Gym				
T	Block T - Carport				
X	Block X - Classroom				
YZ	Block YZ - Classroom				
AA	Block AA - Workshop				
AB	Block AB - Workshops				
AC	Block AC - Classroom				
ADAE	Block AD/AE - Wrkshp				
AG	Block AG - Transform				
AI	Block AI - Transform				
A1&2	Block A1 & A2				
AH	Block AH - Transform				
BRICKWORK IN FOUNDATIONS (PROVISIONAL)					
Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar					
1	One brick walls	m ²	70		
	J 70				
Fair face to brickwork of selected building bricks in horizontal stretcher bond pointed with flush horizontal and vertical joints					
2	Extra over for fair face	m ²	14		
	J 14				
2.5mm Brickwork reinforcement					
3	150mm Wide reinforcement built in horizontally	m	325		
	J 325				
				Carried to Collection	
				R	
HTS WELKOM HIGH SCHOOL					

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
<u>BRICKWORK IN SUPERSTRUCTURE</u>					
<u>Brickwork in NFP bricks in Class II mortar:</u>					
4	Piers.	m ³	1,0		
	Item 1				
5	Half brick walls.	m ²	5		
	Item 5				
6	Half brick walls in beamfilling.	m ²	11		
	J 11				
7	One brick walls	m ²	61		
	J 61				
8	One brick walls (firewalls)	m ²	12		
	J 12				
9	One brick walls of two half brick skins bagged and sealed.	m ²	215		
	J 215				
10	One brick walls of two half brick skins bagged and sealed (gable walls).	m ²	3		
	J 3				
<u>BRICKWORK SUNDRIES</u>					
<u>Brickwork reinforcement:</u>					
11	75mm Wide reinforcement built in horizontally.	m	21		
	J 21				
12	150mm Wide reinforcement built in horizontally.	m	1 120		
	J 1120				
<u>Prestressed concrete fabricated lintels:</u>					
13	90 x 114mm Lintels laid side by side in lengths not exceeding 3m.	m	176		
	J 176				
<u>Turning pieces:</u>					
14	110mm Wide turning piece to lintels etc.	m	27		
	J 27				
<u>Galvanised hoop iron cramps, ties, etc:</u>					
15	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end built into brickwork.	No	36		
	J 36				
<u>Air bricks etc:</u>					
16	Set of two Terra-cotta 229 x 152mm clay vermin proof air bricks.	No	6		
	J 4 AA 2				
Carried to Collection					
HTS WELKOM HIGH SCHOOL					R

Amount

BILL NO. 4
MASONRY
COLLECTION

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Carried To Section Summary

HTS WELKOM HIGH SCHOOL

R

		Unit	Quantity	Rate	Amount
SECTION NO. 2					
BUILDINGS					
BILL NO. 5					
WATERPROOFING					
Key:	Location Description:				
Item	Item				
A	BLOCK A - Classroom				
C	BLOCK C - Admin & CI				
D	BLOCK D - Ablutions				
E	BLOCK E - Admin, Abtn				
F	BLOCK F - Classroom				
H	Block H - Classroom				
I	Block I - Admin				
J	Block J - Dining				
K	Block K - Hall				
N	Block N - Caretaker				
P	Block P - Caretaker				
Q	Block Q - Library				
R	Block R - Classroom				
S	Block S - Gym				
T	Block T - Carport				
X	Block X - Classroom				
YZ	Block YZ - Classroom				
AA	Block AA - Workshop				
AB	Block AB - Workshops				
AC	Block AC - Classroom				
ADAE	Block AD/AE - Wrkshp				
AG	Block AG - Transform				
AI	Block AI - Transform				
A1&2	Block A1 & A2				
AH	Block AH - Transform				
DAMPPROOFING OF WALLS AND FLOORS					
<u>Brikrip SABS approved DPC embossed damp proof course:</u>					
1	In walls	m ²	68		
	J 68				
2	In walls under cills.	m ²	12		
	J 12				
<u>One layer of 250 micron Consol Plastics Gunplas</u>					
<u>USB Green waterproof sheeting sealed at laps with</u>					
<u>Gunplas Pressure Sensitive Tape:</u>					
3	Under surface beds.	m ²	531		
	J 156 S 375				
Carried to Collection					
HTS WELKOM HIGH SCHOOL					R

		Unit	Quantity	Rate	Amount
<u>FLASHINGS ETC.</u>					
<u>One coat primer and three coats SABS approved acrylic emulsion.</u>					
4	Bandage flashing 300mm wide.	m	22		
	S 22				
<u>JOINT SEALANTS ETC</u>					
<u>Approved clear silicone sealant:</u>					
5	In joints between steel frames and walls	m	60		
	Item 60				
<u>Two - part polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>					
6	3 x 25 mm In saw cut joints in floors.	m	476		
	J 92 S 384				
7	10 x 10mm In expansion / seperation joints in floors including raking out expansion joint filler as necessary.	m	322		
	J 98 S 224				
Carried to Collection					
					R

HTS WELKOM HIGH SCHOOL

Amount

BILL NO. 5
WATERPROOFING
COLLECTION

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Carried To Section Summary

HTS WELKOM HIGH SCHOOL

R

		Unit	Quantity	Rate	Amount	
SECTION NO. 2						
BUILDINGS						
BILL NO. 6						
ROOF COVERINGS						
Key:	Location Description:					
Item	Item					
A	BLOCK A - Classroom					
C	BLOCK C - Admin & Cl					
D	BLOCK D - Ablutions					
E	BLOCK E - Admin, Abtn					
F	BLOCK F - Classroom					
H	Block H - Classroom					
I	Block I - Admin					
J	Block J - Dining					
K	Block K - Hall					
N	Block N - Caretaker					
P	Block P - Caretaker					
Q	Block Q - Library					
R	Block R - Classroom					
S	Block S - Gym					
T	Block T - Carport					
X	Block X - Classroom					
YZ	Block YZ - Classroom					
AA	Block AA - Workshop					
AB	Block AB - Workshops					
AC	Block AC - Classroom					
ADAE	Block AD/AE - Wrkshp					
AG	Block AG - Transform					
AI	Block AI - Transform					
A1&2	Block A1 & A2					
AH	Block AH - Transform					
RIBBED METAL SHEETING AND ACCESSORIES						
<u>Safintra Saflok 700 AZ 200 0.55mm thick concealed fixing roof sheeting with Colorplus pre-painted white finish fixed to steel purlins at about 1600mm centres in accordance with manufacturers instruction</u>						
1	Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m.			m ²	3 934	
A	50	C	50	E	378	
J	163	Q	350	S	37	
AA	924	AB	1836	AI	146	
Flashings:						
2	Ridge capping 462mm girth, three times bent along girth and notched on site to suit roof profile.			m	219	
E	42	J	31	Q	21	
AA	56	AB	54	AI	15	
Carried to Collection						
HTS WELKOM HIGH SCHOOL					R	

					Unit	Quantity	Rate	Amount
3	Polyclosers to suite profile of sheeting.				m	839		
	E	168	J	87	Q	84		
	AA	224	AB	216	AI	60		
4	Ridge end cap				No	14		
	E	2	J	4	Q	2		
	AA	2	AB	2	AI	2		
<u>ROOF AND WALL LINING AND INSULATION</u>								
<u>Super Sisalation® Heavy Industrial Grade 430 - Double sided reflective foil laminate incorporating layers of kraft paper and reinforcing scrim, laminated together with low density polyethylene (293gsm).</u>								
5	Insulation laid taut over timber rafters (at approximately 1200mm centres) and fixed concurrent with tiling battens, purlins, etc.				m ²	4 311		
	A	50	C	60	E	346		
	I	336	J	163	Q	350		
	AA	924	AB	1836	AI	146		
	AH	100						
Carried to Collection								
								R

HTS WELKOM HIGH SCHOOL

Amount

BILL NO. 6

ROOF COVERINGS

COLLECTION

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Carried To Section Summary

HTS WELKOM HIGH SCHOOL

R

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>					
<u>BUILDINGS</u>					
<u>BILL NO. 7</u>					
<u>CARPENTRY AND JOINERY</u>					
<u>Key:</u>	<u>Location Description:</u>				
Item	Item				
A	BLOCK A - Classroom				
C	BLOCK C - Admin & Cl				
D	BLOCK D - Ablutions				
E	BLOCK E - Admin, Abtn				
F	BLOCK F - Classroom				
H	Block H - Classroom				
I	Block I - Admin				
J	Block J - Dining				
K	Block K - Hall				
N	Block N - Caretaker				
P	Block P - Caretaker				
Q	Block Q - Library				
R	Block R - Classroom				
S	Block S - Gym				
T	Block T - Carport				
X	Block X - Classroom				
YZ	Block YZ - Classroom				
AA	Block AA - Workshop				
AB	Block AB - Workshops				
AC	Block AC - Classroom				
ADAE	Block AD/AE - Wrkshp				
AG	Block AG - Transform				
AI	Block AI - Transform				
A1&2	Block A1 & A2				
AH	Block AH - Transform				
<u>ROOF CONSTRUCTION</u>					
<u>Sawn softwood :</u>					
1	38 x 114mm Wall plates	m	44		
	J 44				
2	38 x 114mm Bracings.	m	176		
	J 176				
3	50 x 76mm Purlins.	m	88		
	J 88				
4	50 x 76mm Gable trim.	m	20		
	J 20				
<u>Wrought softwood:</u>					
5	70 x 70mm Splayed purlins.	m	44		
	J 44				
				Carried to Collection	
				R	

HTS WELKOM HIGH SCHOOL

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
<u>LAMINATED TIMBER</u>					
<u>Wrought softwood Grade 5:</u>					
6	50 x 220mm Beams bolted.	m	14		
	J 14				
<u>ROOF SUNDRIES</u>					
<u>Sundries:</u>					
7	Teco rafter / beam connector.	No	72		
	J 72				
<u>EAVES, VERGES, ETC</u>					
<u>Pressed fibre-cement:</u>					
8	12 x 225mm Medium density fascia boards including galvanised steel H-profile jointing strips.	m	1 243		
	A 70 C 64 E 80				
	I 56 J 44 Q 42				
	R 98 AA 112 AB 176				
	AC 152 ADAE 296 AI 30				
	AH 23				
9	12 x 80 x 200mm Medium density angle section bargeboards including galvanised steel H-profile jointing strips.	m	334		
	A 24 C 24 E 24				
	I 30 J 36 Q 36				
	R 24 AA 40 AC 24				
	ADAE 30 AI 18 AH 24				
<u>SKIRTINGS</u>					
<u>Wrought meranti:</u>					
10	19 x 70mm Skirting including 19mm quadrant bead.	m	3 706		
	A 80 C 178 D 290				
	E 154 H 142 I 200				
	J 99 N 86 Q 107				
	R 456 S 100 X 350				
	YZ 234 AC 293 ADAE 377				
	A1&2 560				
<u>SEMI SOLID CORE FLUSH DOORS</u>					
<u>Flush doors with hardboard covering on both sides with hardwood finger-jointed stiles hung to steel frames:</u>					
11	40mm Door 813 x 2032mm high	No	13		
	J 13				
Carried to Collection					
HTS WELKOM HIGH SCHOOL					R

			Unit	Quantity	Rate	Amount
<u>SOLID CORE FLUSH DOORS</u>						
<u>Flush doors with 3mm thick commercial ply on both sides:</u>						
12	44mm Door 813 x 2032mm high		No	6		
	J 2	AB 1				
	AH 1					
13	44mm Door 2100 x 2032mm high		No	1		
	I 1					
Carried to Collection						
HTS WELKOM HIGH SCHOOL						R

Amount

BILL NO. 7

CARPENTRY AND JOINERY

COLLECTION

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HTS WELKOM HIGH SCHOOL

R

Unit Quantity Rate Amount

SECTION NO. 2

BUILDINGS

BILL NO. 8

CEILINGS PARTITIONS AND ACCESS FLOORING

<u>Key:</u>	<u>Location Description:</u>
Item	Item
A	BLOCK A - Classroom
C	BLOCK C - Admin & CI
D	BLOCK D - Ablutions
E	BLOCK E - Admin, Abtn
F	BLOCK F - Classroom
H	Block H - Classroom
I	Block I - Admin
J	Block J - Dining
K	Block K - Hall
N	Block N - Caretaker
P	Block P - Caretaker
Q	Block Q - Library
R	Block R - Classroom
S	Block S - Gym
T	Block T - Carport
X	Block X - Classroom
YZ	Block YZ - Classroom
AA	Block AA - Workshop
AB	Block AB - Workshops
AC	Block AC - Classroom
ADAE	Block AD/AE - Wrkshp
AG	Block AG - Transform
AI	Block AI - Transform
A1&2	Block A1 & A2
AH	Block AH - Transform

NAILED UP AND SCREW UP CEILINGS

6.4mm 'Rhinoboard' M-Strip ceiling fixed print side up to brandering with 32mm galvanized clout nails or 32mm grabber screws at 150mm centers with 'M-Strip' cover strips over joints with all nail or screw heads stopped and sanded level, all in strict accordance with the manufacturer's instructions:

1 Ceilings including 50 x 50 mm sawn softwood brandering at 400mm centres in one direction only to trusses (elsewhere) at 1,5mm centres.

m² 10 712

A	631	C	288	D	450
E	320	H	205	I	672
J	156	N	110	Q	350
R	955	X	760	YZ	422
AB	1836	AC	545	ADAE	2072
AI	146	A1&2	794		

Carried to Collection

R

HTS WELKOM HIGH SCHOOL

Amount

BILL NO. 8

CEILINGS PARTITIONS AND ACCESS FLOORING

COLLECTION

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HTS WELKOM HIGH SCHOOL

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Unit Quantity Rate Amount

SECTION NO. 2

BUILDINGS

BILL NO. 9

FLOOR COVERINGS

<u>Key:</u>	<u>Location Description:</u>
Item	Item
A	BLOCK A - Classroom
C	BLOCK C - Admin & CI
D	BLOCK D - Ablutions
E	BLOCK E - Admin, Abtn
F	BLOCK F - Classroom
H	Block H - Classroom
I	Block I - Admin
J	Block J - Dining
K	Block K - Hall
N	Block N - Caretaker
P	Block P - Caretaker
Q	Block Q - Library
R	Block R - Classroom
S	Block S - Gym
T	Block T - Carport
X	Block X - Classroom
YZ	Block YZ - Classroom
AA	Block AA - Workshop
AB	Block AB - Workshops
AC	Block AC - Classroom
ADAE	Block AD/AE - Wrkshp
AG	Block AG - Transform
AI	Block AI - Transform
A1&2	Block A1 & A2
AH	Block AH - Transform

VINYL FLOOR COVERINGS, WALL LININGS, ETC.

All vinyl flooring materials require a smooth, hard, clean, true and level surface, not only for appearance but also for achieving a satisfactory adhesive bond and long term durability

The main contractor shall ensure that the sub-floor is acceptable to receive the vinyl flooring specified in respect of levelness, smoothness, soundness and cleanness

Carried to Collection

R

HTS WELKOM HIGH SCHOOL

				Unit	Quantity	Rate	Amount
<p><u>300 x 300 x 2,5mm Thick hard wearing semi-flexible vinyl floor tiles fixed with 'Marley No.60 Acrylic Adhesive':</u></p>							
1	On floors.			m ²	9 245		
	A 637	C 288	D 350				
	E 320	H 205	I 112				
	J 156	N 110	Q 350				
	R 955	S 375	X 760				
	YZ 422	AC 545	ADAE 2072				
	A1&2 1588						
<p><u>POLISH, SEALERS, ETC</u></p>							
<p><u>Polish, sealers, etc:</u></p>							
2	Two coats wax polish on vinyl flooring.			m ²	9 245		
	A 233	C 288	D 350				
	E 320	H 205	I 112				
	J 156	N 110	Q 350				
	R 955	S 375	X 760				
	YZ 422	AC 545	ADAE 2476				
	A1&2 1588						
<p><u>FLOOR COVERINGS</u></p>							
<p><u>Resin backed polypropylene needlepunch carpeting</u></p>							
3	On floors			m ²	112		
	I 112						
Carried to Collection							
HTS WELKOM HIGH SCHOOL							R

Amount

BILL NO. 9

FLOOR COVERINGS

COLLECTION

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HTS WELKOM HIGH SCHOOL

R

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
SECTION NO. 2					
BUILDINGS					
BILL NO. 10					
IRONMONGERY					
	Key:		Location Description:		
	Item		Item		
	A		BLOCK A - Classroom		
	C		BLOCK C - Admin & CI		
	D		BLOCK D - Ablutions		
	E		BLOCK E - Admin, Abtn		
	F		BLOCK F - Classroom		
	H		Block H - Classroom		
	I		Block I - Admin		
	J		Block J - Dining		
	K		Block K - Hall		
	N		Block N - Caretaker		
	P		Block P - Caretaker		
	Q		Block Q - Library		
	R		Block R - Classroom		
	S		Block S - Gym		
	T		Block T - Carport		
	X		Block X - Classroom		
	YZ		Block YZ - Classroom		
	AA		Block AA - Workshop		
	AB		Block AB - Workshops		
	AC		Block AC - Classroom		
	ADAE		Block AD/AE - Wrkshp		
	AG		Block AG - Transform		
	AI		Block AI - Transform		
	A1&2		Block A1 & A2		
	AH		Block AH - Transform		
IRONMONGERY					
LOCKS					
Manufactured by Union					
1	40mm Padlock (gate)	No	2		
	Item 2				
2	65mm Padlock (trap door)	No	85		
	A 4		C 4		D 10
	E 3		H 3		I 3
	J 5		N 2		Q 5
	R 10		X 5		YZ 10
	AB 13		AC 7		AI 1
Manufactured by Geze					
3	Ref 730/68 - 76 mm Profile arch sashlock S/S	No	20		
	H 1		J 15		AB 1
	AG 2		AH 1		
Carried to Collection					
HTS WELKOM HIGH SCHOOL					R

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
4	Ref 880-66/78 - 5 Pin NP Double cylinder 66mm 3K N.PL I 1 J 15 AB 1 AG 2 AH 1	No	20		
5	Master key Item 3	No	3		
6	Grand master key Item 1 Union	No	1		
7	Four - lever lockset I 1 J 15 AB 1 AG 2 AH 1 HANDLES Manufactured by Geze	No	20		
8	Ref EDE/101C-Daytona19mm/165X165X1.5/PL.CYL I 1 J 15 AB 1 AG 2 AH 1	No	20		
9	Ref 295/01 - Helping hand L/H OR R/H I 1	No	1		
10	Ref JD213/305 - B/T S.S P/hand 330X305X25mm I 1 PUSH PLATES AND KICK PLATES Manufactured by 'Geze'	No	1		
11	160 x 160mm stainless steel push plate I 2	No	2		
12	813 x 20mm stainless steel kick plate I 2 DOOR CLOSERS Dorma:	No	2		
13	'TS91' Overhead door closer with bracket fixed to metal I 1 LETTERS, NAMEPLATES, ETC. Manufactured by 'Geze'	No	1		
14	90 x 32 x 3mm Thick perspex plate with 25mm high engraved and painted letters or numerals. Item 3	No	3		
15	Ref 079/160E-S/ST P/PL 160 x 160 x 1.2mm anodised aluminium plate with male or female symbol. I 2	No	2		
Carried to Collection					
HTS WELKOM HIGH SCHOOL					R

Amount

BILL NO. 10
IRONMONGERY
COLLECTION

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Carried To Section Summary

HTS WELKOM HIGH SCHOOL

R

			Unit	Quantity	Rate	Amount
SECTION NO. 2						
BUILDINGS						
BILL NO. 11						
METALWORK						
Key:	Location Description:					
Item	Item					
A	BLOCK A - Classroom					
C	BLOCK C - Admin & CI					
D	BLOCK D - Ablutions					
E	BLOCK E - Admin, Abtn					
F	BLOCK F - Classroom					
H	Block H - Classroom					
I	Block I - Admin					
J	Block J - Dining					
K	Block K - Hall					
N	Block N - Caretaker					
P	Block P - Caretaker					
Q	Block Q - Library					
R	Block R - Classroom					
S	Block S - Gym					
T	Block T - Carport					
X	Block X - Classroom					
YZ	Block YZ - Classroom					
AA	Block AA - Workshop					
AB	Block AB - Workshops					
AC	Block AC - Classroom					
ADAE	Block AD/AE - Wrkshp					
AG	Block AG - Transform					
AI	Block AI - Transform					
A1&2	Block A1 & A2					
AH	Block AH - Transform					
GALVANISED STEEL BALUSTRADING						
Framed and welded balustrading to access balconies (unpainted):						
1	1100mm High balustrading comprising 25 x 50 x 2,5mm hollow section top and bottom rails, filled with 12 x 12mm solid section balusters at 100mm centres, 40 x 40 x 3mm hollow section baluster with 100 x 150 x 8mm base plate welded on and twice bolted at 1500mm centres (As per drawing).					
			m	232		
YZ	100	AA	56	AC	76	
Carried to Collection						R
HTS WELKOM HIGH SCHOOL						

Amount

BILL NO. 11
METALWORK
COLLECTION

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Carried To Section Summary

HTS WELKOM HIGH SCHOOL

R

		Unit	Quantity	Rate	Amount
SECTION NO. 2					
BUILDINGS					
BILL NO. 12					
PLASTERING					
Key:	Location Description:				
Item	Item				
A	BLOCK A - Classroom				
C	BLOCK C - Admin & CI				
D	BLOCK D - Ablutions				
E	BLOCK E - Admin, Abtn				
F	BLOCK F - Classroom				
H	Block H - Classroom				
I	Block I - Admin				
J	Block J - Dining				
K	Block K - Hall				
N	Block N - Caretaker				
P	Block P - Caretaker				
Q	Block Q - Library				
R	Block R - Classroom				
S	Block S - Gym				
T	Block T - Carport				
X	Block X - Classroom				
YZ	Block YZ - Classroom				
AA	Block AA - Workshop				
AB	Block AB - Workshops				
AC	Block AC - Classroom				
ADAE	Block AD/AE - Wrkshp				
AG	Block AG - Transform				
AI	Block AI - Transform				
A1&2	Block A1 & A2				
AH	Block AH - Transform				
SCREEDS					
All vinyl flooring materials require a smooth, hard, clean, true and level surface, not only for appearance but also for achieving satisfactory adhesive bond and long term durability					
The main contractor should ensure the sub-floor is acceptable to receive vinyl flooring specified in respect of levelness. Smoothness, soundness and cleanness					
Screeds on concrete:					
1	20mm Thick on floors and landings to falls to receive floor tiles.	m ²	112		
	I 112				
2	23mm Thick on floors and landings to receive vinyl tiles.	m ²	27		
	Q 27				
				Carried to Collection	
HTS WELKOM HIGH SCHOOL				R	

		Unit	Quantity	Rate	Amount
<u>INTERNAL PLASTER</u>					
<u>Cement plaster on brickwork:</u>					
3	On walls.	m ²	474		
	J 470 AB 4				
4	On walls to receive tiles.	m ²	91		
	A1&2 91				
<u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u>					
<u>Corner protectors, dividing strips, etc</u>					
5	25 x 3mm Flat section brass dividing strips between different floor finishes.	m	24		
	A 2 E 4 F 5				
	H 5 I 4 J 4				
Carried to Collection					
HTS WELKOM HIGH SCHOOL					R

Amount

BILL NO. 12
PLASTERING
COLLECTION

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Carried To Section Summary

HTS WELKOM HIGH SCHOOL

R

			Unit	Quantity	Rate	Amount
SECTION NO. 2						
BUILDINGS						
BILL NO. 13						
TILING						
Key:	Location Description:					
Item	Item					
A	BLOCK A - Classroom					
C	BLOCK C - Admin & CI					
D	BLOCK D - Ablutions					
E	BLOCK E - Admin, Abtn					
F	BLOCK F - Classroom					
H	Block H - Classroom					
I	Block I - Admin					
J	Block J - Dining					
K	Block K - Hall					
N	Block N - Caretaker					
P	Block P - Caretaker					
Q	Block Q - Library					
R	Block R - Classroom					
S	Block S - Gym					
T	Block T - Carport					
X	Block X - Classroom					
YZ	Block YZ - Classroom					
AA	Block AA - Workshop					
AB	Block AB - Workshops					
AC	Block AC - Classroom					
ADAE	Block AD/AE - Wrkshp					
AG	Block AG - Transform					
AI	Block AI - Transform					
A1&2	Block A1 & A2					
AH	Block AH - Transform					
WALL TILING						
<u>200 x 200 x 4mm White glazed wall tiles fixed with adhesive to plaster (elsewhere) and flush pointed with tinted jointing compound:</u>						
1	On walls		m ²	195		
	AB 50	ADAE 50				
		A1&2 95				
2	On splashbacks.		m ²	10		
	AB 10					
3	Fair exposed cutting and fitting around pipe not exceeding 50mm diameter.		No	1		
	J 1					
4	Ditto but exceeding 50mm and not exceeding 100mm diameter.		No	1		
	J 1					
Carried to Collection						
HTS WELKOM HIGH SCHOOL						R

		Unit	Quantity	Rate	Amount
<u>FLOOR TILING</u>					
<u>300 x 300 x 8mm Colour glazed floor tiles (PC. Of R100.00m2 net supply only excluding VAT) fixed with adhesive to screeded (elsewhere) concrete floors and flush pointed with tinted waterproof jointing compound including approved expansion joints:</u>					
5	On floors and landings.	m ²	112		
	I 112				
6	Skirting 100mm high of cut tiles.	m	220		
	I 220				
				Carried to Collection	
				R	
HTS WELKOM HIGH SCHOOL					

Amount

BILL NO. 13
TILING
COLLECTION

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Carried To Section Summary

HTS WELKOM HIGH SCHOOL

R

			Unit	Quantity	Rate	Amount
SECTION NO. 2						
BUILDINGS						
BILL NO. 14						
PLUMBING AND DRAINAGE						
	Key:	Location Description:				
	Item	Item				
	A	BLOCK A - Classroom				
	C	BLOCK C - Admin & CI				
	D	BLOCK D - Ablutions				
	E	BLOCK E - Admin, Abtn				
	F	BLOCK F - Classroom				
	H	Block H - Classroom				
	I	Block I - Admin				
	J	Block J - Dining				
	K	Block K - Hall				
	N	Block N - Caretaker				
	P	Block P - Caretaker				
	Q	Block Q - Library				
	R	Block R - Classroom				
	S	Block S - Gym				
	T	Block T - Carport				
	X	Block X - Classroom				
	YZ	Block YZ - Classroom				
	AA	Block AA - Workshop				
	AB	Block AB - Workshops				
	AC	Block AC - Classroom				
	ADAE	Block AD/AE - Wrkshp				
	AG	Block AG - Transform				
	AI	Block AI - Transform				
	A1&2	Block A1 & A2				
	AH	Block AH - Transform				
RAINWATER DISPOSAL						
Ogee aluminium:						
1	125mm Ogee eaves gutters.			m	1 109	
	A	70	C	64	D	30
	E	80	I	56	J	31
	N	40	Q	42	X	106
	AA	112	AC	152	ADAE	296
	AI	30				
2	Extra over Ogee eaves gutter for stopped end.			No	52	
	A	4	C	4	D	4
	E	4	I	4	J	4
	N	4	Q	4	X	4
	AA	4	AC	4	ADAE	4
	AI	4				
Carried to Collection						R
HTS WELKOM HIGH SCHOOL						

DEVELOPMENT BANK OF SOUTH AFRICA

				Unit	Quantity	Rate	Amount
3	Extra over Ogee eaves gutter for outlet for 100 x 75mm pipe.			No	71		
	A 4 C 4 D 4						
	E 4 I 4 J 8						
	N 4 Q 4 X 4						
	AA 6 AC 6 ADAE 15						
	AI 4						
4	100 x 75mm Rainwater pipes.			m	307		
	A 16 C 15 D 12						
	E 15 I 30 J 24						
	N 12 Q 12 X 28						
	AA 20 AB 12 AC 18						
	ADAE 80 AI 13						
5	Extra over 100 x 75mm rainwater pipe for bend.			No	213		
	A 12 C 12 D 12						
	E 12 I 12 J 24						
	N 12 Q 12 X 12						
	AA 18 AC 18 ADAE 45						
	AI 12						
6	Extra over 100 x 75mm rainwater pipe for shoe.			No	79		
	A 4 C 4 D 4						
	E 12 I 4 J 8						
	N 4 Q 4 X 4						
	AA 6 AC 6 ADAE 15						
	AI 4						
<u>SANITARY FITTINGS</u>							
Prices are to include for sealing all round with approved silicone waterproofing sealant at junction/gaps with tiled walls, timber fittings, vanity tops, etc.							
<u>'Lecico Sanitaryware' vitreous china wash hand basins and pedestals:</u>							
7	410 x 500mm 'Atlas' white vitreous china lavatory basin (product code ATLDUOBAS0500BE) with one taphole including integrated overflow and chainstay hole, fixed with stainless steel screws and washers to plugs in wall (tap and waste fitting elsewhere).			No	24		
	J 5 AA 1 ADAE 12						
	A1&2 6						
<u>'Lecico Sanitaryware' vitreous china WC suites:</u>							
8	'Madison' white vitreous china close couple suite (product code MADBOXDFL0SCSBE) with 100mm outlet and matching 6 litre cistern including lid, fitments, flushpipe, etc., bedded in 4:1 cement mortar on concrete floors.			No	15		
	J 5 AA 1 ADAE 5						
	A1&2 4						
Carried to Collection							
HTS WELKOM HIGH SCHOOL							R

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
	<u>'Plumline' vitreous china urinals:</u>				
9	'Amaro' urinal (code 031129) size 300 x 245 x 400mm high or equal approved with top inlet spreader and waste outlet including wall mounting brackets and connected to water supply, sealed with silicone sealant where urinal meets wall	No	7		
	J 3 AA 1 A1&2 3				
	<u>WASTE UNIONS ETC</u>				
	<u>'Cobra Watertech':</u>				
10	32 mm CP basin waste union.	No	18		
	ADAE 12 A1&2 6				
	<u>TRAPS ETC</u>				
	Priced are to include for jointing to uPVC pipe with and including the necessary adaptors unless otherwise described.				
	<u>Butyl rubber:</u>				
11	32 mm deep seal "P" or "S" trap.	No	18		
	ADAE 12 A1&2 6				
	<u>TAPS, VALVES, ETC</u>				
	Priced are to include for jointing to copper pipe with and including the necessary fittings unless otherwise described.				
	<u>Brass.</u>				
12	15 mm Fulway gate valve.	No	1		
	Item 1				
13	22 mm Fulway gate valve.	No	1		
	Item 1				
14	28 mm Fulway gate valve.	No	1		
	Item 1				
	<u>Plumline</u>				
15	15 mm CP Ballostop.	No	1		
	Item 1				
16	22 mm CP Ballostop.	No	1		
	Item 1				
17	15 mm CP Star pillartaps.	No	18		
	ADAE 12 A1&2 6				
	<u>SANITARY PLUMBING</u>				
	<u>uPVC pipes:</u>				
18	50mm Pipes.	m	1		
	Item 1				
	Carried to Collection				
					R

HTS WELKOM HIGH SCHOOL

DEVELOPMENT BANK OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount
<u>WATER SUPPLIES</u>					
<u>Class 1 copper pipes:</u>					
37	15mm Pipes. Item 1	m	1		
38	22mm Pipes. Item 1	m	1		
39	28mm Pipes. Item 1	m	1		
40	15mm Pipes chased into brick walls. Item 1	m	1		
41	22mm Pipes chased into brick walls. Item 1	m	1		
<u>Extra over copper pipe for capillary fitting:</u>					
42	15mm Fittings. Item 1	No	1		
43	22mm Fittings. Item 1	No	1		
44	28mm Fittings. Item 1	No	1		
<u>Extra over copper pipe for brass compression fitting:</u>					
45	15mm Fittings. Item 1	No	1		
46	22mm Fittings. Item 1	No	1		
47	28mm Fittings. Item 1	No	1		
<u>Copper overflow and service pipes:</u>					
48	15mm Bent service pipe average 450mm girth and joint to copper pipe and fittings. Item 1	No	1		
49	22mm Bent overflow pipe average 450mm girth and joint to fittings. Item 1	No	1		
<u>FIRE APPLIANCES ETC.</u>					
<u>'Chubb':</u>					
50	'Everyway' hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket. Item 1	No	1		
Carried to Collection					
HTS WELKOM HIGH SCHOOL					
				R	

Amount

BILL NO. 14

PLUMBING AND DRAINAGE

COLLECTION

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HTS WELKOM HIGH SCHOOL

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		Unit	Quantity	Rate	Amount
SECTION NO. 2					
BUILDINGS					
BILL NO. 15					
GLAZING					
Key:	Location Description:				
Item	Item				
A	BLOCK A - Classroom				
C	BLOCK C - Admin & CI				
D	BLOCK D - Ablutions				
E	BLOCK E - Admin, Abtn				
F	BLOCK F - Classroom				
H	Block H - Classroom				
I	Block I - Admin				
J	Block J - Dining				
K	Block K - Hall				
N	Block N - Caretaker				
P	Block P - Caretaker				
Q	Block Q - Library				
R	Block R - Classroom				
S	Block S - Gym				
T	Block T - Carport				
X	Block X - Classroom				
YZ	Block YZ - Classroom				
AA	Block AA - Workshop				
AB	Block AB - Workshops				
AC	Block AC - Classroom				
ADAE	Block AD/AE - Wrkshp				
AG	Block AG - Transform				
AI	Block AI - Transform				
A1&2	Block A1 & A2				
AH	Block AH - Transform				
GLAZING TO STEEL WITH PUTTY					
6.38 mm Clear laminated safety glass					
1	Panes exceeding 0,5m2 and not exceeding 2.5m2.		m ²	55	
	I 10	J 25	AA 10		
	AB 10				
4 mm Patterned toughened glass:					
2	Panes exceeding 0,1m2 and not exceeding 0.5m2.		m ²	5	
	N 5				
TOPS, SHELVES, DOORS, MIRRORS, ETC.					
3mm Silvered float glass copper backed mirrors with polished edges fixed with double sided adhesive tape:					
3	Frameless mirror 700 x 450 mm high.		No	5	
	Item 5				
Carried To Section Summary					
HTS WELKOM HIGH SCHOOL					R

			Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u>						
<u>BUILDINGS</u>						
<u>BILL NO. 16</u>						
<u>PAINTWORK</u>						
	<u>Key:</u>					
	Item					
	A	BLOCK A - Classroom				
	C	BLOCK C - Admin & CI				
	D	BLOCK D - Ablutions				
	E	BLOCK E - Admin, Abtn				
	F	BLOCK F - Classroom				
	H	Block H - Classroom				
	I	Block I - Admin				
	J	Block J - Dining				
	K	Block K - Hall				
	N	Block N - Caretaker				
	P	Block P - Caretaker				
	Q	Block Q - Library				
	R	Block R - Classroom				
	S	Block S - Gym				
	T	Block T - Carport				
	X	Block X - Classroom				
	YZ	Block YZ - Classroom				
	AA	Block AA - Workshop				
	AB	Block AB - Workshops				
	AC	Block AC - Classroom				
	ADAE	Block AD/AE - Wrkshp				
	AG	Block AG - Transform				
	AI	Block AI - Transform				
	A1&2	Block A1 & A2				
	AH	Block AH - Transform				
<u>PAINTWORK ETC. TO NEW SURFACES</u>						
<u>ON FLOATED PLASTER</u>						
<u>Prepare surfaces and remove all loose material, apply one coat Alkali Resistant Plaster Primer and two coats superior quality acrylic emulsion paint:</u>						
1	On interior walls.		m ²	484		
	J	480	AB	4		
Carried to Collection						R
HTS WELKOM HIGH SCHOOL						

			Unit	Quantity	Rate	Amount
9	On interior / exterior skirtings, rails, etc not exceeding 300mm girth.		m	3 799		
	A 80 C 178 D 290					
	E 154 H 142 I 200					
	J 101 N 86 Q 200					
	R 454 S 100 X 350					
	YZ 234 AC 293 ADAE 377					
	A1&2 560					
	<u>SUPPLEMENTARY PREAMBLES</u>					
	<u>PREPARATORY WORK TO EXISTING WORK</u>					
	Previously painted plastered surfaces					
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth					
	Previously painted metal surfaces					
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal					
	Previously painted wood surfaces					
	Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth					
	<u>ON PREVIOUSLY PAINTED SURFACES</u>					
	<u>ON EXISTING INTERNAL FLOATED PLASTER SURFACES</u>					
	<u>Two coats superior quality acrylic emulsion paint for interior and exterior use</u>					
10	Walls		m ²	24 726		
	A 1381 C 664 D 1416					
	E 572 I 1596 K 4718					
	N 408 Q 321 R 1398					
	S 608 X 2429 YZ 1212					
	AB 1811 AC 907 ADAE 1998					
	AG 75 AI 152 A1&2 2928					
	AH 132					
	<u>ON EXISTING PLASTERBOARD SURFACES</u>					
	<u>Two coats superior quality acrylic emulsion paint for interior and exterior use</u>					
11	Ceilings and cornices (White colour group)		m ²	845		
	K 670 X 175					
	Carried to Collection					
	HTS WELKOM HIGH SCHOOL					
					R	

		Unit	Quantity	Rate	Amount
<u>ON EXISTING FIBRE-CEMENT BOARD SURFACES</u>					
<u>Two coats extremely durable UV-resistant washable pure acrylic paint, on work in poor condition</u>					
12	Cills	m ²	35		
	YZ 35				
<u>ON EXISTING METAL SURFACES</u>					
<u>One coat alkyd based universal undercoat and one coat superior quality universal enamel paint</u>					
13	Door frames	m ²	46		
	A 6 AA 3 AB 2				
	AI 2 A1&2 33				
14	Security gates	m ²	90		
	X 75 AB 15				
15	On window frames with burglar bars (bsm).	m ²	2 824		
	A 143 C 175 E 215				
	S 75 X 250 YZ 150				
	AB 108 ADAE 1149 A1&2 559				
16	On steel balustrades (bsm)	m ²	264		
	X 264				
17	On roof sheeting	m ²	380		
	X 380				
<u>ON EXISTING WOOD SURFACES</u>					
<u>One coat alkyd based universal undercoat and one coat superior quality universal enamel paint</u>					
18	Doors	m ²	256		
	A 21 I 10 YZ 35				
	AA 10 AB 5 ADAE 50				
	AI 5 A1&2 120				
Carried to Collection					
HTS WELKOM HIGH SCHOOL					R

Amount

BILL NO. 16
PAINTWORK
COLLECTION

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HTS WELKOM HIGH SCHOOL

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SECTION NO. 2

BUILDINGS

SECTION SUMMARY

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HTS WELKOM HIGH SCHOOL

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SECTION NO. 3
EXTERNAL WORKS

HTS WELKOM HIGH SCHOOL

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>EXTERNAL WORKS</u>				
<u>BILL NO. 1</u>				
<u>EXTERNAL WORKS (PROVISIONAL)</u>				
<u>REMOVAL OF EXISTING WORK</u>				
Note to tenderers: The removal, storage ,disposal, etc of asbestos sheeting, etc to be executed in strict accordance to the bye laws (OHS) regarding same by a specialist asbestos sub-contractor. Prices to include for this.				
All work to be demolished, etc is to be removed off site, unless otherwise stated, prices to include for this.				
<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement including layerworks</u>				
1	m	18		
2	m ²	200		
<u>ALTERATIONS</u>				
<u>JOINT SEALANTS</u>				
<u>Chip open the crack to form a "V" shape 20mm wide x 10mm deep and scratch out the debris that may block the crack in the sides of the hole. Grinding in the floor approximately 200mm to 300mm apart from the rebar to be placed into an epoxy repair mortar 'SIKA TOP-ARMATEC 100'. Fill the crack with structural epoxy repair mortar SIKA MONO TOP 615HB'</u>				
3	m	9		
<u>Resealing of joints</u>				
4	m	25		
<u>TEMPORARY WORKS</u>				
5	m	315		
6	No	1		
Carried to Collection				
HTS WELKOM HIGH SCHOOL			R	

DEVELOPMENT BANK OF SOUTH AFRICA

	Unit	Quantity	Rate	Amount
<u>GENERAL SITE CLEARANCE, ETC.</u>				
<u>Site clearance, etc.:</u>				
7	Allow for clearing of the site all grass, weeds, shrubs, debris, etc and cartway all vegetation and stockpile	m ²	350	
<u>KEEPING EXCAVATIONS FREE OF WATER</u>				
<u>Keeping excavations free of water:</u>				
8	Keeping excavations free of all water other than subterranean water through out this bill .	Item		
<u>APRONS, PAVING, RAMPS, PATHS AND STEPS</u>				
<u>Earthworks:</u>				
9	Excavate in soft excavations in earth to reduce levels under ramps, pavings, aprons.	m ³	20	
10	Extra over excavations for excavating in soft rock.	m ³	2	
11	Extra over excavations for carting away surplus material off site.	m ³	30	
12	Approved filling supplied by the Contractor under pavings and paths compacted to a density of 93% Mod AASHTO.	m ³	20	
13	Over site of G5 material as sub -base layer in accordance with SABS 1200DM 125mm layer compacted to 95% Mod AASHTO density and trim to grades	m ³	15	
14	Over site of G2 material as base layer in according with SABS 1200DM 125mm layer compacted to 98% Mod AASHTO density and trim to grades.	m ³	15	
15	Trim, level, excavate and scarify for a depth of 150mm ground surface to receive concrete paving and compact to 93% Mod AASHTO density.	m ²	200	
16	Approved weed killer to surface of earth under pavings, aprons, etc.	m ²	200	
<u>Take from where set aside and relay paving</u>				
17	Relay corobrik block paving	m ²	200	
<u>Monetary Allowance</u>				
18	Allow a provisional allowance of R 150 000.00 (One Hundred and Fifty Thousand Rands) for external works to be ascertained on site	Item		150 000 00
Carried to Collection				
			R	

HTS WELKOM HIGH SCHOOL

Amount

BILL NO. 1

EXTERNAL WORKS (PROVISIONAL)

COLLECTION

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HTS WELKOM HIGH SCHOOL

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>EXTERNAL WORKS</u>				
<u>BILL NO. 2</u>				
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
<u>STORM WATER CHANNELS.</u>				
<u>Smooth finished in-situ reinforced concrete</u>				
<u>25Mpa/13mm channels:</u>				
1				
1	m	143		
2	No	4		
3	m	143		
4	m	143		
<u>Monetary Allowance</u>				
5	Item			50 000 00
6	Item			25 000 00
<u>TESTING</u>				
7	Item			
Carried To Section Summary				
				R

HTS WELKOM HIGH SCHOOL

Amount

SECTION NO. 3

EXTERNAL WORKS

SECTION SUMMARY

Bill No.

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1 EXTERNAL WORKS (PROVISIONAL)

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2 PLUMBING AND DRAINAGE (PROVISIONAL)

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HTS WELKOM HIGH SCHOOL

R

SECTION NO. 4
PROVISIONAL SUMS

HTS WELKOM HIGH SCHOOL

Amount

SECTION NO. 4

PROVISIONAL SUMS

The following Provisional Amounts are all Net amounts Exclusive of commission for the Contractor. These amounts are for the work to be executed complete by the Nominated/Selected Sub-Contractors:

LANDSCAPING

1	Provide the amount of R 35,000.00 (Thirty Five Thousand Rands) for Landscaping, etc.	Item	35 000 00
2	Profit on above item.	Item	
3	Attendance on ditto.	Item	

SIGNAGE

4	Provide the amount of R 20,000.00 (Twenty Thousand Rands) for Signage.	Item	20 000 00
5	Profit on above item.	Item	
6	Attendance on ditto.	Item	

PLUMBING AND DRAINAGE

7	Provide the amount of R 360,000.00 (Three Hundred and Sixty Thousand Rands) for Plumbing & Drainage related items	Item	360 000 00
8	Profit on above item	Item	
9	Attendance on ditto.	Item	

TEMPORARY ACCOMMODATION & ABLUTIONS

10	Provide the amount of R 3 305 000.00 (Three Million Three Hundred and Five Thousand Rands Only Rands) for the purchase, transportation, ground works and erection of mobile classrooms and ablution facilities, including the regular maintenance of the ablution facilities for the duration of the contract. The units are to be made good upon project completion and relocated to another site determined by the principal Agent and/or client, less or equal to 200km from the site, all as per Architectural / Engineering specifications, to be performed by a specialist where required	Item	3 305 000 00
11	Profit on above item.	Item	
12	Attendance on ditto.	Item	

GEOTECH & SURVEY

13	Provide the amount of R 100,000.00 (One Hundred Thousand Rands) for Geotech and Survey	Item	100 000 00
14	Profit on above item	Item	

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HTS WELKOM HIGH SCHOOL

Amount

SECTION NO. 4

PROVISIONAL SUMS

SECTION SUMMARY

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HTS WELKOM HIGH SCHOOL

FINAL SUMMARY

HTS WELKOM HIGH SCHOOL

FINAL SUMMARY

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<u>CONDITIONS OF CONTRACT</u>		
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SUB TOTAL	R	
ADD: ESCALATION (PRE & POST TENDER)	R	900,000.00
SUB TOTAL	R	
ADD: CONTINGENCIES	R	2,420,000.00
SUB TOTAL	R	
VALUE ADDED TAX		
Value added tax @ 15%	R	
<u>TOTAL CARRIED TO FORM OF OFFER</u>	R	