SECTION NO. 1

PRELIMINARIES

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

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:

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	SECTION A - PRINCIPAL BUILDING AGREEMENT			
	<u>Definitions</u>			
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.	ltem		
	F: V: T:			
	Objective and preparation			
3	Clause 2.0 - Offer, acceptance and performance	Item		
	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	Item		
	F: V: T:			
5	Clause 4.0 - Design responsibility	Item		
		14 · · · ·		
6	Clause 5.0 - Employer's agents F:	Item		
7	Clause 6.0 - Site representative	Item		
•	F: V: T:			
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8	Clause 7.0 - Compliance with regulations	ltem	
	F: V: T:		
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	Item	
	F: V: T:		
10	Clause 8.0 - Works risk	Item	
11	F: V: T: Clause 9.0 - Indemnities	ltem	
	F: V: T:	nem	
12	Clause 10.0 - Works insurances	ltem	
13	F: V: T: 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 **contracto**r 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

14	F: V: T: Clause 11.0 - Liability insurances	
	F: V: T:	
15	Clause 12.0 - Effecting insurances	
16	F: V: T: Clause 13.0 - No clause	
17	F: V: T: Clause 14.0 - Security	
	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 percent (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		
		ltem	
	F: V: T:		
10	Execution	14	
19	Clause 15.0 - Preparation for and execution of the works	ltem	
20	F: V: T: 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	ltem	
	F: V: T:		
21	Clause 16.0 - Access to the works	Item	
	F: V:		
22	Clause 17.0 - Contract instructions	ltem	
23	F: V: T: Clause 18.0 - Setting out of the works	ltem	
23		item	
	F: V: T:		
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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	Item	
	F: V: T:		
25	Clause 19.0 - Assignment	Item	
~	F: V: T:		
26	Clause 20.0 - Nominated subcontractors	Item	
	F: V: T: Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums	Item	
07	F: V: T:		
27	Clause 20.1.3 is amended by replacing it with the following:		
	No Clause		
28	Clause 21.0 - Selected subcontractors	Item	
	F: V: T:		
29	Clause 21 is amended by replacing it with:		
	No Clause	Item	
	F: V: T:		
30	Clause 22.0 - Employer's direct contractors	Item	
	F:		
31	Clause 23.0 - Contractor's domestic subcontractors	Item	
	F: V: T:		
20	Clause 24.0 Brastical completion	ltom	
32	Clause 24.0 - Practical completion	Item	
33	F: V: T: Clause 25.0 - Works completion	Item	
00	F: V:	nom	
34	Clause 26.0 - Final completion	Item	
	F: V: T:		
35	Clause 27.0 - Latent defects liability period	Item	
	F: V: T:		
36	Clause 28.0 - Sectional completion	Item	
	F: V: T:		
37	Clause 29.0 - Revision of the date for practical completion	Item	
	F: V: T:		
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)		
		Item	
	F: V: T:		
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F: V: T: Item Payment Clause 31.0 - Interim payment to the contractor Item Itenclusion 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 Item F: V: T: Item Clause 31.8 is amended by replacing it with the following two alternative clauses: Item 22 Clause 31.1 Ninety-five per cent (95%) of such value in interim payment certificates issued on the date of practical completion 31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the final payment certificates issued on the date of practical completion and up to but excluding the final payment certificate in terms of 34.6 31.8(A).1 Ninety-five per cent (99%) of such value in interim payment certificates in terms of 34.6 31.8(A).1 Ninety-five per cent (99%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the final payment certificate in terms of 34.6 31.8(A).4 One hundred per cent (90%) of such value in interim payment certificate in terms of 34.6 31.8(A).4 One hundred per cent (90%) of such value in the final payment certificate in terms of 34.6 31.8(A).4 One hundred per cent (90%) of such value in interim payment certificate in terms		Brought Forward	
40 Clause 31.0 - Interim payment to the contractor Item ★:	39		Item
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 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 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 certificate Atternative 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 on the date of practical completion and up to but excluding the date of final completion 31.8(3).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 final payment certificates issued on the date of practical completion and up to but excluding the final payment certificates in terms of 34.6 	42		
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		certificates issued on the date of final completion and up to but excluding the	
			R

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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	ltem		
43	F: V: T: Clause 32.0 - Adjustment to the contract value	ltem		
44	F: V: T: 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		
46	F: V: T: 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		
48	F: V: T: T: Clause 34.13 is amended by replacing seven (7) calendar days with twenty-			
40	one (21) calendar days and deleting the words subject to the employer giving the contractor a tax invoice for the amount due	ltem		
	F: V: T:	nom		
49	Clause 35.0 - Payment to other parties	Item		
	F: V: T:			
	Cancellation			
50	Clause 36.0 - Cancellation by employer - contractor's default	Item		
	F: V: T:			
	Carried Forward	R		
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51	Clause 36.3 is amended by removing the reference to No clause and replacing the words principal agent with employer		
	Clause 36.0 is amended by the addition of the following clause:		
	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	Item	
	F: V: T:		
52	Clause 37.0 - Cancellation by employer - loss and damage	Item	
	F: V: T:		
53	Clause 37.0 is amended by the addition of the following clause:		
	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	Item	
	F: V: T:		
54	Clause 38.0 - Cancellation by contractor - employer's default	Item	
55	F: V: T: Clause 38.0 is amended by the addition of the following clause:		
	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	Item	
	F: V: T:		
56	Clause 39.0 - Cancellation - cessation of the works	Item	
	F: V: T:		
	Dispute		
57	Clause 40.0 - Dispute settlement	Item	
	F: V: T:		
58	Clause 40.2.2 is amended by replacing one (1) year with three (3) years		
	Clause 40.6 is amended by removing the reference to:		
	No clause		
	Clause 40. 7.1 is amended by replacing (10) with (15) and by the addition of the following:		
		_	
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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	ltem
	F: V: T:	
	Substitute provisions	
59	Clause 41.0 - State clauses	Item
	F: V: T:	
~	<u>Contract variables</u> Clause 42.0 - Pre-tender information	14
60		Item
61	F: V: T: 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	ltem
	F: V: T:	ILEIII
62	Information necessary for the completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder	ltem
63	F: V: T: Clause 42.0 - Post-tender information	Item
	F: V: T:	nom
64	The required post-tender information shall be inserted in the agreement after consultation with the contractor	ltem
	F: V: T:	
	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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	Brought Forward	
Postal address:	Code: .	
Tel: 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)		
	Corried Forward	-
	Carried Forward	R

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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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Brought Forward	
42.2 CONTRACT DETAILS 42.2.1 Works	
description:	
	Item
F: V: T: 42.2.3 Work or installations by direct contractors	
F: V: T: 42.2.2 Site description:	Item
·	
	ltom
F: V: T: 42.2.4 Specific options that are applicable to a state organ only	Item
Where so:	
(1) Interest rate legislation:	
(2) Lateral support insurance to be effected by the contractor ? yes/no ?	
(3) Payment will be made for materials and goods ? yes/no ?	
Carried Forward	R

	Brought Forward			
	(4) Dispute resolution by litigation ? yes/no ?			
	(5) Extended defects liability period applicable			
	to the following elements:			
		ltem		
69	F: V: T: 42.2.5 Possession of the site is intended to be given on (date)	ltem		
70	F: V: T: 42.2.6 Period for the commencement of the works after			
	the contractor takes possession of the site (No of working days)	ltem		
71	F: V: T: 42.2.7 For the works as a whole: The date for practical completion and the penalty per calendar day			
	Date Penalty R	Item		
72	F: V: T: 42.2.8 For the works in sections: The date for practical completion and the penalty per calendar day 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	ltem		
	Carried Forward	R		
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73 42.2.9 The law applicable to this agreement shall be that Item of (country) T Item 42.3.1 Contract works insurance to be effected by contractor For the sum of: R Item F: V: T 42.3.2 Supplementary insurance is required - no Item F: V: T 42.3.3 Public liability insurance to be effected by contractor For the sum of: R Item F: V: T 42.3.3 Public liability insurance to be effected by contractor For the sum of: R Item F: V: T Item <th></th> <th>Brought Forward</th> <th></th> <th></th>		Brought Forward		
F: V: T: 42.3 INSURANCES 74 42.3.1 Contract works insurance to be effected by contractor For the sum of: R With a deductible of: R F: V: 75 42.3.2 Supplementary insurance is required - no F: V: 76 42.3.3 Public liability insurance to be effected by contractor 76 42.3.3 Public liability insurance to be effected by contractor For the sum of: R. F: V: T: Item F: V: T: Vith a deductible of: R. Item F: V: T: Vith a deductible of: R. Item F: V: T: 78 42.4.1 Waiver of the contractor's lien or right of continuing po	73	42.2.9 The law applicable to this agreement shall be that		
42.3 INSURANCES 74 42.3.1 Contract works insurance to be effected by contractor For the sum of: R		of (country)	Item	
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For the sum of: R Item With a deductible of: R Item F: V: T: Item 75 42.3.2 Supplementary insurance is required - no Item F: V: T. Item 76 42.3.3 Public liability insurance to be effected by Item 76 42.3.3 Public liability insurance to be effected by Item 77 42.3.4 Support insurance to be effected by employer Item 77 42.3.4 Support insurance to be effected by employer Item For the sum of: R Item F: V: T: Item F: <t< td=""><td>74</td><td>42.3.1 Contract works insurance to be effected by</td><td></td><td></td></t<>	74	42.3.1 Contract works insurance to be effected by		
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F: V: T: Item 75 42.3.2 Supplementary insurance is required - no Item F: V: T: Item 76 42.3.3 Public liability insurance to be effected by Item 76 42.3.3 Public liability insurance to be effected by Item 77 42.3.4 Support insurance to be effected by employer Item 77 42.3.4 Support insurance to be effected by employer Item For the sum of: R. Item F: V: T: Item 78 42.4.1 Waiver of the contractor's lien or right of continuing posession is required - yes Item F: V: T: Item F: V: T: Item 80 42.4.2 Construction document copies to be supplied to the contractor free of charge (No of 3) Item F: V: T: Item 6 quantities (lump sum		For the sum of: R		
75 42.3.2 Supplementary insurance is required - no Item F: V: T: 76 42.3.3 Public liability insurance to be effected by contractor For the sum of: R. Item F: V: T: Item F: V: <td></td> <td>With a deductible of: R</td> <td>Item</td> <td></td>		With a deductible of: R	Item	
F: V: T: 42.3.3 Public liability insurance to be effected by contractor For the sum of: R. With a deductible of: R. F: V: T: 77 42.3.4 Support insurance to be effected by employer For the sum of: R. With a deductible of: R. V: T: With a deductible of: R. Vith a deductible of:		F: V: T:		
76 42.3.3 Public liability insurance to be effected by contractor For the sum of: R	75	42.3.2 Supplementary insurance is required - no	Item	
contractor For the sum of: R				
For the sum of: R	76	42.3.3 Public liability insurance to be effected by		
With a deductible of: R		contractor		
F: V: T:		For the sum of: R		
77 42.3.4 Support insurance to be effected by employer For the sum of: R For the sum of: R With a deductible of: R Item F:		With a deductible of: R	Item	
For the sum of: R With a deductible of: R Item F:				
With a deductible of: R Item F:	77	42.3.4 Support insurance to be effected by employer		
F:		For the sum of: R		
42.4 DOCUMENTS 42.4.1 Waiver of the contractor's lien or right of continuing posession is required - yes F: V: 79 42.4.2 Construction document copies to be supplied to the contractor free of charge (No of 3) F: V: 80 F: 42.4.3 State measuring system used for drawing up bills of quantities (lump sum document?) F: V: F: V: F: V: T: T:		With a deductible of: R	Item	
78 42.4.1 Waiver of the contractor's lien or right of continuing posession is required - yes Item 79 42.4.2 Construction document copies to be supplied to the contractor free of charge (No of 3) Item 79 42.4.3 State measuring system used for drawing up bills Item 80 of quantities (lump sum document?) Item F: V: T:		F: V: T:		
required - yes Item F: V: T: 79 42.4.2 Construction document copies to be supplied to the contractor free of charge (No of 3) Item F: V: T: 80 42.4.3 State measuring system used for drawing up bills Item of quantities (lump sum document?) Item Item		42.4 DOCUMENTS		
79 42.4.2 Construction document copies to be supplied to the contractor free of charge (No of 3) Item F: V: T: 80 42.4.3 State measuring system used for drawing up bills Item of quantities (lump sum document?) Item F: V: T:	78		Item	
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80 42.4.3 State measuring system used for drawing up bills of quantities (lump sum document?) Item F: V:	79		Item	
of quantities (lump sum document?) Item				
document?) Item F: V: T:	80	42.4.3 State measuring system used for drawing up bills		
		of quantities (lump sum document?)	Item	
81 42.4.4 Number of working days for submission of priced		F: V: T:		
	81	42.4.4 Number of working days for submission of priced		
documents (No of) Item			Item	
F: V: T:		F: V: T:		
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42.4.5 JBCC Engineering General Conditions are to	
be included in the contract documents - no	Item
F: V: T:	
42.4.6 The contract value is to be adjusted using CPAP indices no	
Where CPAP is to be used (base month)	
Alternative indices (if applicable)	Item
F: V: T: 42.4.7 Details of changes made to the provisions of	
JBCC standard documentation	
	Item
F: V: T:	
Carried For	ward R

			Amount
	Brought Forward		
	SECTION B - PRELIMINARIES		
	Definitions and interpretation		
85	Clause 1.0 - Definitions and interpretation	ltem	
60		nem	
	F: V: T: Documents		
96	Clause 2.1 - Checking of documents	Itom	
86	-	ltem	
07	F: V: T:	ltom	
87	Clause 2.2 - Provisional bills of quantities	ltem	
00	F: V: T: Tcanal Clause 2.3 - Availability of construction documentation	ltom	
88	-	ltem	
20	F: V: T: Clause 2.4 - Interests of agents	ltom	
89		ltem	
00	F: V: T: Clause 2.5 - Priced documents	ltom	
90		ltem	
91	F: V: T: Clause 2.6 - Tender submission	ltom	
91		Item	
02	F: V: T: T: Tenders shall be valid for a period of ? days from the closing date of tenders	ltom	
92		ltem	
93	F: V: T: T: Clause 2.6 is amended by replacing JBCC Form of Tender with "Form of Offer/Tender" included in the returnable schedules	ltom	
		ltem	
	F: V: T:		
~	The site		
94	Clause 3.1 - Defined works area	Item	
	F: V: T:		
95	The area of the works to be occupied by the contractor is indicated on architect's drawing	Item	
	F: V: T:		
96	Clause 3.2 - Geotechnical investigation	Item	
	F: V: T:		
97	Clause 3.3 - Inspection of the site	Item	
	F:		
98	Tenderers shall complete the Site INspection Certificate included in the tender documents and return the same with the tender submission	Item	
	F: V: T:		
99	Clause 3.4 - Existing premises occupied	Item	
	F: V: T:		
100	Clause 3.5 - Previous work - dimensional accuracy	Item	
	F: V: T:		
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	Brought Forward			
101	Clause 3.6 - Previous work - defects	ltem		
102	F: V: T: Clause 3.7 - Services - known	ltem		
103	F: V: T: Clause 3.8 - Services - unknown	Item		
104	F: V: T: Clause 3.9 - Protection of trees	ltem		
105	F: V: T: Clause 3.10 - Articles of value	ltem		
106	F: V: T: Clause 3.11 - Inspection of adjoining properties	ltem		
	F: V: T: T:			
107	Clause 4.1 - Management of the works	Item		
108	F: V: T: Clause 4.2 - Programme for the works	ltem		
109	F: V: T: Clause 4.3 - Progress meetings	Item		
110	F: V: T: Clause 4.4 - Technical meetings	ltem		
111	F: V: T: Clause 4.5 - Labour and plant records	ltem		
	F: V: T: T: Samples, shop drawings and manufacturer's instructions			
112	Clause 5.1 - Samples of materials F: V: T:	ltem		
113	Clause 5.2 - Workmanship samples F:	ltem		
114	Clause 5.3 - Shop drawings F: V: T:	Item		
115	Clause 5.4 - Compliance with manufacturers' instructions	ltem		
116	Temporary works and plant Clause 6.1 - Deposits and fees	ltem		
117	F: V: T: Clause 6.2 - Enclosure of the works	ltem		
	F: V: T: Clause 6.3 - Advertising			
118	F: V: T:	ltem		
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			Amount
	Brought Forward		
119	Clause 6.4 - Plant, equipment, sheds and offices	Item	
120	F: V: T: Clause 6.5 - Main noticeboard	Item	
121	F: V: T: Clause 6.6 - Subcontractors' noticeboard	Item	
	F: V: T: Temporary services		
122	Clause 7.1 - Location F: V: T:	Item	
123	Clause 7.2 - Water	Item	
124	F: V: T: Clause 7.3 - Electricity	Item	
125	F: V: T: Clause 7.4 - Telecommunication facilities	Item	
126	F: V: T: Clause 7.5 - Ablution facilities	Item	
	F: V: T: <u>Prime cost amounts</u>		
127	Clause 8.1 - Responsibility for prime cost amounts	Item	
	Attendance on nominated/selected subcontractors		
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	Item	
	F: V: T: Financial aspects		
131	Clause 10.1 - Statutory taxes, duties and levies	Item	
132	Provision is made in the summary of these bills of quantities for the inclusion of Value Added Tax (VAT)	Item	
133	F: V: T: Clause 10.2 - Payment of preliminaries	Item	
134	F: V: T: Clause 10.3 - Adjustment of preliminaries	Item	
	F: V: T:		
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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: W. T. Item 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. Item </th <th></th> <th>Brought Forward</th> <th></th> <th></th>		Brought Forward		
F:	135	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	ltem	
F: V: T: General Item 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: 140 Clause 11.5 - Disturbance Item F: V: T: 141 Clause 11.6 - Environmental disturbance Item F: V: T: 142 Clause 11.6 - 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: Item F: V:			nom	
General Item 137 Clause 11.1 - Protection of the works Item 138 Clause 11.2 - Protection/isolation of existing/sectionally occupied works Item 139 Clause 11.3 - Security of the works Item 139 Clause 11.3 - Security of the works Item 140 Clause 11.4 - Notice before covering work Item 141 Clause 11.5 - Disturbance Item 142 Clause 11.6 - Environmental disturbance Item 143 Clause 11.6 - Environmental disturbance Item 144 Clause 11.7 - Works cleaning and clearing Item 15 Clause 11.7 - Works cleaning and clearing Item 15 Clause 11.8 - Vermin Item 15 Clause 11.9 - Overhand work Item 16 Clause 11.1 - As built information Item 17 Clause 11.1 - So built information Item 18 Clause 11.1 - As built information Item 19 Clause 11.1 - As built information Item 19 Clause 11.12 - Tenant installations Item	136	Clause 10.4 - Payment certificate cash flow	Item	
137 Clause 11.1 - Protection of the works Item F:				
F: V: T: Item 138 Clause 11.2 - Protection/isolation of existing/sectionally occupied works Item F: V: T: Item 139 Clause 11.3 - Security of the works Item F: V: T: Item 140 Clause 11.4 - Notice before covering work Item F: V: T: Item 141 Clause 11.5 - Disturbance Item F: V: T: Item 142 Clause 11.6 - Environmental distrbance Item F: V: T: Item 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 143 Clause 11.7 - Works cleaning and cleaning Item F: V: T: Item 144 Clause 11.8 - Vermin Item F: V: T: Item F: V: T: Item F: V: T: Item F: V: T: <td></td> <td><u>General</u></td> <td></td> <td></td>		<u>General</u>		
138 Clause 11.2 - Protection/isolation of existing/sectionally occupied works Item F:	137	Clause 11.1 - Protection of the works	Item	
F: V: T: Item 139 Clause 11.3 - Security of the works Item F: V: T: Item 140 Clause 11.4 - Notice before covering work Item F: V: T: Item 141 Clause 11.5 - Disturbance Item F: V: T: Item 142 Clause 11.6 - Environmental disturbance Item F: V: T: Item 142 Clause 11.6 - 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: Item F: V:				
139 Clause 11.3 - Security of the works Item F: V: T: Item 140 Clause 11.4 - Notice before covering work Item F: V: T: Item 141 Clause 11.5 - Disturbance Item 142 Clause 11.6 - Environmental disturbance Item F: V: T: Item 142 Clause 11.6 - Environmental disturbance Item F: V: T: Item 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: Item F: <td>138</td> <td>Clause 11.2 - Protection/isolation of existing/sectionally occupied works</td> <td>Item</td> <td></td>	138	Clause 11.2 - Protection/isolation of existing/sectionally occupied 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: Item F: V:		F: V: T:		
140 Clause 11.4 - Notice before covering work Item F:	139	Clause 11.3 - Security of the works	Item	
F: V: T: Item 141 Clause 11.5 - Disturbance Item F: V: T: Item 142 Clause 11.6 - Environmental disturbance Item F: V: T: Item 143 CAcopy 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 143 Clause 11.7 - Works cleaning and clearing Item F: V: T: Item 6 Clause 11.8 - Vermin Item F: V: T:		F: V: T:		
141 Clause 11.5 - Disturbance Item F: V: T: Item 142 Clause 11.6 - Environmental disturbance Item 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 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 144 Clause 11.7 - Works cleaning and clearing Item F:	140	Clause 11.4 - Notice before covering work	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 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 144 Clause 11.7 - Works cleaning and clearing Item F:		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: Item	141	Clause 11.5 - Disturbance	Item	
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F:	143	quantities. The contractor shall comply with all the requirements of such	ltem	
144 Clause 11.7 - Works cleaning and clearing Item F:			nom	
F: V: T: Item 145 Clause 11.8 - Vermin Item F: V: T: Item 146 Clause 11.9 - Overhand work Item F: V: T: Item 147 Clause 11.10 - Instruction manuals and guarantees Item F: V: T: Item F: V: T: Item 148 Clause 11.11 - As built information Item F: V: T: Item 149 Clause 11.12 - Tenant installations Item F: V: T: Item	144		ltem	
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: 148 Clause 11.12 - Tenant installations Item F: V: T: 149 Clause 11.12 - Tenant installations Item F: V: T: 150 12.1 - Pre-tender information Item F: V: T: 150 12.1 - Pre-tender information Item	177		nom	
F:	145		ltem	
146 Clause 11.9 - Overhand work Item F: V: T: 147 Clause 11.10 - Instruction manuals and guarantees Item F: V: T: 148 Clause 11.10 - As built information 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: 149 Clause 11.12 - Tenant installations Item F: V: T: 150 12.1 - Pre-tender information Item F: V: T: F: V: T: (12.1 - Pre-tender information Item F: V: T:	140		nom	
F: V: T: Item 147 Clause 11.10 - Instruction manuals and guarantees Item F: V: T: Item 148 Clause 11.11 - As built information Item F: V: T: Item 149 Clause 11.12 - Tenant installations Item F: V: T: Item 50 12.1 - Pre-tender information Item F: V: T: Item F: V: T: Item	146		ltem	
147 Clause 11.10 - Instruction manuals and guarantees Item 148 F:	040		ICHII	
F: V: T: Item 148 Clause 11.11 - As built information Item 149 F: V: T: 149 Clause 11.12 - Tenant installations Item F: V: T: Item 50 12.1 - Pre-tender information Item F: V: T: Item F: V: T: Item	147		ltem	
148 Clause 11.11 - As built information Item 149 F:	1-7/	_	ICHII	
149 F:	1/18		ltem	
149 Clause 11.12 - Tenant installations Item F: V: T: 150 12.1 - Pre-tender information Item F: V: T: V: T: Item	140			
F:	140		ltem	
Schedule of variables Item 150 12.1 - Pre-tender information Item F: V: T:	173		nem	
150 12.1 - Pre-tender information Item F: V: T:				
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	150		item	
		F: V: I:		
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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:		
155	Construction documentation is complete - yes	Item	
450	F: V: T:		
156	12.1.3 - Interests of agents [clause 2.4] - None	Item	
457	F: V: T:		
157	12.1.4 - Defined works area [clause 3.1]		
	Restrictions will be pointed out at the site inspection	Item	
	F:		
158	12.1.5 - Geotechnical investigation [clause 3.2]	Item	
450	F:		
159	12.1.6 - Existing premises occupied [clause 3.4] - Yes, operational school	Item	
160	F: V: T: 12.1.7 - Previous work - dimensional accuracy [clause 3.5]	Itom	
160		Item	
161	F: V: T:	Item	
	F: V:	nom	
162	12.1.9 - Services - known [clause 3.7]		
	Existing services and points of connection will be pointed out on site by the principal agent	Item	
	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]		
	Specific requirements:		
		-	
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	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.	ltem	
167	F: V: T: 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 painted sans serif lettering.		
	Gark green painted sans sem nettering. F: V: T:	Item	
168	12.1.15 - Subcontractors' noticeboard [clause 6.6]	Item	
	F: V: T:		
169	A noticeboard is required - yes	Item	
170	F: V: T: 12.1.16 - Water [clause 7.2]	ltem	
171	F: V: T: 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	
173	F: V: T: Option A (by contractor) yes		
	Option B (by employer - free of charge) no		
	Option C (by employer - metered) no	Item	
174	F: 12.1.18 - Telecommunications [clause 7.4]	ltem	
175	F: V: T: Telephone yes		
	Facsimile yes		
	E-mail yes	Item	
	F: V: T:		
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176	12.1.19 - Ablution facilities [clause 7.5]	Item
	F: V: T:	
177	Option A (by contractor) yes	
	Option B (by employer) no	Item
	F: V: T:	
178	12.1.20 - Protection/isolation of existing/sectionally occupied works [clause 11.2]	Item
	F: V: T:	
179	Protection/isolation is required - yes	Item
	F: V: T:	
180	12.1.21 - Special attendance [clause 9.2]	Item
4.0.4	F: V: T:	
181	12.1.22 - Protection of the works [clause 11.1]	Item
182	F: 12.1.23 - Disturbance [clause 11.5]	Item
	F: V: T:	
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	Item
	F: V: T:	
184	12.1.24 - Environmental disturbance [clause 11.6]	Item
185	F: V: T: 12.2 - Post-tender information	Item
	F: V: T:	
186	The required post-tender information shall be inserted in the preliminaries after consultation with the contractor	Item
	F: V: T:	
	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	
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	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: 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 warranteed 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.	ltem	
	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	ltem	
	F: V: T: <u>Confidentiality</u>		
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	
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	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	ltem		
	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:	nom		
	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	ltem		
	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	ltem		
	F: V: T:			
	Carried Forward	R		
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	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	ltem	
197	F: V: T: 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:		
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203	Provision of ear plugs	Item
204	F: Provision of dust masks	Item
205	F: Provision of gloves	Item
206	F: Provision of high visibility overalls to SARTSM Chapter 13 Level 3	Item
207	F: V: T: Provision of SANS approved ear defenders	Item
208	F: V: T: Provision of of face masks (Covid -19)	Item
209	F: Provision of of face shields (Covid -19)	Item
210	F: Provision of hand sanitiser (min 70% alchoholl, foot press stands and paper towels (Covid -19)	Item
211	F: V: T: Provision of full time construction health and safety officer (SACPCMP Registered)	ltem
	F: V: T: SUMMARY OF CATEGORIES	
	<u>Categories</u>	
212	Category: Fixed F:	
	Category: Value V:	
	Category: Time T:	Item
	F: V: T:	
	Carried To Section Summary HTS WELKOM HIGH SCHOOL	R

			Amount	
SECTION NO. 1				
PRELIMINARIES				
SECTION SUMMARY		Page		
Preliminaries		1-31		
Preliminaries		1-51		
		-		
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SECTION NO. 2

BUILDINGS

		Unit	Quantity	Rate	Amount	
SECTION NO.	2					
BUILDINGS						
BILL NO. 1						
ALTERATION	<u>S</u>					
Key:	Location Description:					
Item	Item					
A C	BLOCK A - Classroom BLOCK C - Admin & Cl					
	BLOCK D - Ablutions					
E	BLOCK E - Admin,Abtn					
F	BLOCK F - Classroom					
н	Block H - Classroom					
I	Block I - Admin					
J	Block J - Dining					
K N	Block K - Hall Block N - Caretaker					
P	Block P - Caretaker					
Q	Block Q - Library					
R	Block R - Classroom					
S	Block S - Gym					
Т	Block T - Carport					
X	Block X - Classoom					
YZ AA	Block YZ - Classroom Block AA - Workshop					
AA 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					
SUPPLEMENT	TARY PREAMBLES					
View site						
site and satisfy work to be don salvageable fro variations of th	ing his tender the tenderer shall visit the himself as to the nature and extent of the e and the value of the materials om the alterations. No claim for any e contract sum in respect of the nature he work or of inferior or damaged be entertained					
General						
of asbestos she accordance to	ers: The removal, storage ,disposal, etc eeting, etc to be executed in strict the bye laws (OHS) regarding same by a estos sub-contractor. Prices to include for					
	Carried to Collection			R		
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		Unit	Quantity	Rate	Amount	
	The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide , erect and remove when directed , any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent					
	Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored					
	Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described . Re-painting or re-varnishing is given separately					
	The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc.)					
	REMOVAL OF EXISTING WORK					
	Demolition					
1	Demolition of existing block complete comprising of surface bed, brickwork, roof, etc.	m²	208			
	J 208 Breaking up and removing reinforced concrete, including cutting off and removing reinforcement					
2	170mm Thick surface beds	m²	382			
	K 7 S 375 Breaking down and removing brickwork etc					
3	One brick walls	m²	2			
	AB 2 <u>Taking out and removing doors, windows, etc.</u> <u>including thresholds, sills, etc</u>					
4	Timber single door and frame, size 813 x 2032mm high	No	5			
5	AB 2 AG 2 AH 1 Timber double door and frame, size 1500 x 2032mm high	No	1			
	Carried to Collection			R		

							Unit	Quantity	Rate	Amount
6	Single	e security ga	te, 925	x 2032mn	n high		No	1		
	AH	1								
7	7 Double security gate, 3 500 x 2032mm high						No	2		
	⊤ Takir	2 ng down and	d remo	vina roofs	s, floors, r	panelling.				
	ceilir	ngs, partitio	ns, etc	<u>vilig rook</u>	<u>, 110010, 1</u>	<u>vanoning,</u>				
8	Corru	igated sheet	steel r	oof coverin	ng and tim	per purlins	m²	1 402		
	A	50	С	50	E	378				
9	AA Corru	⁹²⁴ Igated asbes	tos roc	f covering	and timbe	r purlins	m²	2 469		
-	Q	350	S	37	AB	1836				
	AI	146	AH	100						
10		insulation		004		4007	m²	3 343		
	I Al	336 146	AA AH	924 100	AB	1837				
11	Fibre	cement fasc	cias and	d bargeboa	ards		m	1 483		
	A	94	С	88	E	104				
	I AA	86 152	N AB	64 176	R AC	122 176				
	ADAE	326	AI	48	AH	47				
12	Gutte	ers and rainw	ater pip	bes			m	1 254		
	A	85	С	79 50	E	95				
	I AA	86 132	N AB	52 12	YZ AC	124 170				
	ADAE		AI	43						
13		um plasterbo dering, cornio			uding timb	er	m²	8 986		
	A	366	C	288	D	450		0.000		
	E	320	H	205	I	672				
	N	110	Q	350	R	955				
	YZ Al	422 146	AB A1&2	1836 794	ADAE	2072				
	<u>Takir</u>	ng out and r	emovi	ng sundry	joinery w	<u>vork,</u>				
		gs, etc								
14		er skirtings	-		_		m	2 945		
	A E	80 154	С Н	178 142	D Q	290 108				
	R	456	S	100	X	350				
	ΥZ	234	AC	293	A1&2	560				
					Corrigad	o Collection			_	
	цте				Carried t	o Collection			R	
HTS WELKOM HIGH SCHOOL										

		Unit	Quantity	Rate	Amount
15	Taking up and removing wood block floorcoverings, vinyl floor coverings, carpets, etc andpreparing screeds for new floor coveringsVinyl tile floor coveringA457C288D450	m²	6 714		
	E320H204Q350R955S375X760YZ422AC545A1&21588Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc				
16	30mm Screed from floor Q 27 Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc	m²	27		
17	Tiles to floors	m²	112		
18	I 112 Tiles to walls	m²	196		
	AB50ADAE50A1&296Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)				
19	Vitreous china wash hand basin	No	19		
20	AA1ADAE12A1&26Vitreous china WC pan with cistern and flush pipeAA1ADAE5A1&24	No	10		
21	Steel urinal	No	4		
22	AA 1 A1&2 3 CP star pillar taps A1&2 6	No	6		
23	Servicing of existing workInvestigate and isolate tap leak and repairAB1A1&21	No	2		
	Carried to Collection			R	ļ
	HTS WELKOM HIGH SCHOOL				

		Unit	Quantity	Rate	Amount
24	PREPARATORY WORK TO EXISTING SURFACES MAKING GOOD OF FINISHES ETC Pavelite steel trowelled on existing screed Average 4mm thick on floors and landings	m²	6 339		
24	Average 4mm thick on floors and landingsA2045C288D450E320H204Q350R955X760YZ422AC545	m²	6 339		
25	On cracks on plastered walls J 10 K 6 N 1 P 7 S 29 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'	m	53		
26	On cracks on concrete floors, walkways, roofs, etc K 5 N 25 S 18 <u>Resealing of joints</u>	m	48		
27	Ream out joint and install UV resistant polysulphide sealant	m	32		
28	Pressure cleaning existing buildings External facebrick	m²	296		
29	A 296 Existing floors	m²	110		
30	N 110 BUDGETARY ALLOWANCE Allow a budgetary amount of R100 000.00 for Remedial Works Item 1	ltem			100 000 00
	Carried to Collection			R	

		Amount	
BILL NO. 1 ALTERATIONS COLLECTION	Page No		
Brought Forward from Page	2-2		
Diougint of ward from Fuge	2-3		
	2-4		
	2-5		
	2-6		
Carried To Section Summary	R		
HTS WELKOM HIGH SCHOOL			

		Unit	Quantity	Rate	Amount
SECTION NO. 2					
BUILDINGS					
BILL NO. 2					
EARTHWORKS					
Key:	Location Description:				
Item	Item BLOCK A - Classroom				
A C	BLOCK C - Admin & Cl				
D	BLOCK D - Ablutions				
E	BLOCK E - Admin,Abtn				
F	BLOCK F - Classroom				
Н	Block H - Classroom				
I.	Block I - Admin				
J	Block J - Dining				
K	Block K - Hall				
N	Block N - Caretaker				
P	Block P - Caretaker				
Q R	Block Q - Library Block R - Classroom				
S	Block S - Gym				
Т	Block T - Carport				
x	Block X - Classoom				
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 AH	Block A1 & A2 Block AH - Transform				
АП					
EARTHWORKS	(PROVISIONAL)				
	FILLING, ETC OTHER THAN BULK				
Excavation in ea	arth not exceeding 2m deep				
Reduced levels u	under floors	m³	128		
J 72	S 56				
Trenches		m³	69		
J 69 Narrow pit		m ³	004		
Narrow pit		m³	231		
N 67	P 55 S 109				
	1m alternating sections under existing				
foundations		m³	58		
N 17	P 14 S 27				
		1	1 1		d l
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
	Extra over bulk excavations in earth for excavation in				
5	III Soft rock	m³	41		
	J 7 N 8 P 7				
6	S 19 Intermediate	m³	39		
	J 5 N 8 P 7 S 19				
7	Hard rock	m³	20		
	J 3 N 4 P 4 S 9				
	Back excavation of vertical sides of excavations in earth for working space including backfilling				
	compacted to ?% Mod AASHTO density				
8	Not exceeding 500mm deep for placing and removing formwork to walls from excavated face	m²	196		
	J 99 N 28 P 23 S 46				
	Extra over all excavations for carting away				
9	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m³	196		
	J 72 N 20 P 16 S 88				
	Risk of collapse of excavations				
10	Sides of excavations not exceeding 1,5m deep	m²	199		
11	J 199 Sides of excavations exceeding 1,5m deep	m²	290		
	N 84 P 69 S 137				
12	<u>Keeping excavations free of water</u> Keeping excavations free of all water other than				
12	subterranean water	Item			
	Item 1 FILLING, ETC				
	Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density				
13	Under floors, steps, pavings, etc	m³	56		
14	S 56 Backfilling to trenches, holes, etc.	m³	119		
	J 10 N 30 P 27 S 52				
				-	
	Carried to Collection HTS WELKOM HIGH SCHOOL			R	

		Unit	Quantity	Rate	Amount	
	Filling of G7 supplied by the contractor, compacted to 95% Mod AASHTO density					
15	Backfilling to trenches, holes, etc	m³	132			
	J 23 N 30 P 27 S 52					
16	Under floors, steps, paving, etc.	m³	78			
	J 78					
	Filling of coarse river sand supplied by the contractor, consolidated					
17	Under floors etc	m³	15			
	J 4 S 11					
	Compaction of ground surfaces					
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 ?% Mod AASHTO density	m²	431			
19	J 156 S 275 Bottoms of trenches, holes, etc	m²	267			
10	J 74 N 56 P 46		207			
	WEED KILLERS, INSECTICIDES, ETC Soil insecticide in accordance with SANS 5859					
20	Under floors etc, including forming and poisoning					
20	shallow furrows against foundation walls etc, filling in furrows and ramming		504			
	J 156 S 375	m²	531			
21	To bottoms and sides of trenches etc	m²	461			
	J 268 N 56 P 46					
	S 91					
	Carried to Collection			R		
	HTS WELKOM HIGH SCHOOL					

		Amount	
BILL NO. 2 EARTHWORKS COLLECTION	Page No		
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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 & 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				
	RBlock R - ClassroomSBlock S - Gym				
	T Block T - Carport				
	X Block X - Classoom				
	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				
	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	m³	14		
	J 4 N 3 P 2 S 5				
	REINFORCED CONCRETE				
	25 Mpa/19mm Concrete:				
2	Strip footings	т³	18		
	J 18		75		
3	Surface beds on waterproofing	т³	75		
	J 19 S 56				
	Carried to Collection			R	
	HTS WELKOM HIGH SCHOOL				

		Unit	Quantity	Rate	Amount	
4	Underpinning strip footings in 1m alternating sections under existing footings	m³	58			
	N 17 P 14 S 27 <u>TEST BLOCKS</u>					
	Test blocks:					
5	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes.	Sets	24			
	J 5 N 3 P 3 S 13 <u>CONCRETE SUNDRIES</u>					
	Finishing top surfaces of concrete smooth with a wood float					
6	Surface beds, slabs, etc	m²	531			
	J 156 S 375 ROUGH FORMWORK (DEGREE OF ACCURACY II)					
	Rough Formwork to Sides:					
7	Footings J 199 N 56 P 46	m	392			
	S 91 Boxing in rough formwork to form					
8	25 x 25mm Chamfers along top or bottom edges	m	22			
	S 22 MOVEMENT JOINTS ETC					
	Slip joints with three layers of damp proof sheeting between horizontal concrete and brick surfaces					
9	including cement mortar bed: Not exceeding 300mm wide.	m	249			
3	J 70 S 179		243			
	Expansion joints with bitumen emulsion paint between horizontal concrete and brick surfaces:					
10	Joints not exceeding 300mm high.	m	73			
	J 28 S 45 <u>Saw cut joints:</u>					
11	3 x 25mm Saw cut joints in two operations in top of concrete.	m	476			
	J 92 S 384 REINFORCEMENT					
	Mild steel reinforcement to structural concrete work:					
12	Bars of varying diameters.	Tonnes	5			
	J 1 N 1 P 1 S 2					
	Carried to Collection			R		
	HTS WELKOM HIGH SCHOOL	I				

			Unit	Quantity	Rate	Amount	
13	Bars of varying diameters.		Tonnes	3			
10		S 1	1011103				
	Fabric reinforcement:	5					
14	Type 193 fabric reinforcement in co	ncrete surface beds.					
	slabs, etc.	,	m²	531			
	J 156 S 375						
	TEST BLOCKS						
		Carried to Collection			R		
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Amount

BILL NO. 3 CONCRETE, FORMWORK AND REINFORCEMENT COLLECTION	Page No	
Brought Forward from Page	2-12 2-13 2-14	
Carried To Section Summary HTS WELKOM HIGH SCHOOL	R	

		Unit	Quantity	Rate	Amount
SECTION NO. 2					
BUILDINGS					
<u>BILL NO. 4</u> MASONRY					
	Location Description				
<u>Key:</u> Item	Location Description: Item				
A	BLOCK A - Classroom				
C	BLOCK C - Admin & Cl				
D	BLOCK D - Ablutions				
E	BLOCK E - Admin,Abtn				
F	BLOCK F - Classroom				
Н	Block H - Classroom				
I.	Block I - Admin				
J	Block J - Dining				
К	Block K - Hall				
N	Block N - Caretaker				
Р	Block P - Caretaker				
Q	Block Q - Library				
R	Block R - Classroom				
S T	Block S - Gym Block T - Corport				
X	Block T - Carport Block X - Classoom				
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)				
	X bricks (14 MPa nominal				
	rength) in class II mortar				
One brick walls		m²	70		
J 70					
	kwork of selected building bricks in				
	cher bond pointed with flush				
horizontal and v					
Extra over for fair		m²	14		
J 14			17		
	rk reinforcement				
150mm Wide rei	nforcement built in horizontally	m	325		
J 325	, ,				
	Carried to Collection			R	
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		Unit	Quantity	Rate	Amount
	BRICKWORK IN SUPERSTRUCTURE				
	Brickwork in NFP bricks in Class II mortar:				
4	Piers.	m³	1,0		
5	ltem 1 Half brick walls.	m²	5		
6	^{Item 5} Half brick walls in beamfilling.	m²	11		
7	J 11 One brick walls	m²	61		
8	J 61 One brick walls (firewalls)	m²	12		
9	J 12 One brick walls of two half brick skins bagged and sealed.	m²	215		
10	J 215 One brick walls of two half brick skins bagged and sealed (gable walls).	m²	3		
	J 3 BRICKWORK SUNDRIES				
	Brickwork reinforcement:				
11	75mm Wide reinforcement built in horizontally.	m	21		
12	J 21 150mm Wide reinforcement built in horizontally.	m	1 120		
	J 1120 Prestressed concrete fabricated lintels:				
13	90 x 114mm Lintels laid side by side in lengths not exceeding 3m.	m	176		
	J 176				
14	<u>Turning pieces:</u> 110mm Wide turning piece to lintels etc.	m	27		
	J 27 Galvanised hoop iron cramps, ties, etc:				
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 Air bricks etc:				
16	Set of two Terra-cotta 229 x 152mm clay vermin proof air bricks.	No	6		
	J 4 AA 2				
	Carried to Collection			R	
I	HTS WELKOM HIGH SCHOOL			I	

		Unit	Quantity	Rate	Amount	
	FACE BRICKWORK					
	Corobrik Ruby Light Satin FBS or Equivalent/similar approved face bricks pointed with recessed horizontal and vertical joints:					
17	Extra over brickwork for face brickwork externally.	m²	111			
18	J 111 Extra over brickwork for face brickwork in beamfilling.	m²	82			
19	Item 82 Extra over brickwork for brick-on-edge header course lintel pointed on one face and 220mm soffit.	m	20			
20	J 20 Fair raking cutting.	m	20			
21	J 20 Fair splay cutting.	m	18			
	J 18 Brick-on-edge header course copings, sills, etc of Corobrik Ruby Light Satin SBS face bricks, pointed with flush joints on all exposed faces					
22	170 mm Wide sills set sloping and slightly projecting	m	20			
	J 20					
	Carried to Collection HTS WELKOM HIGH SCHOOL			R		

		Amount	
BILL NO. 4 MASONRY COLLECTION	Page No		
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Carried To Section Summary HTS WELKOM HIGH SCHOOL	R		

		Unit	Quantity	Rate	Amount
SECTION NO. 2					
BUILDINGS					
<u>BILL NO. 5</u>					
WATERPROOFIL	NG				
<u>Key:</u>	Location Description:				
Item	Item				
A	BLOCK A - Classroom				
С	BLOCK C - Admin & Cl				
D	BLOCK D - Ablutions				
E	BLOCK E - Admin,Abtn BLOCK F - Classroom				
H	Block H - Classroom				
	Block I - Admin				
J	Block J - Dining				
К	Block K - Hall				
Ν	Block N - Caretaker				
Р	Block P - Caretaker				
Q	Block Q - Library				
R S	Block R - Classroom				
T T	Block S - Gym Block T - Carport				
X	Block X - Classoom				
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 AH	Block A1 & A2 Block AH - Transform				
	G OF WALLS AND FLOORS				
	pproved DPC embossed damp proof				
course:					
In walls		m²	68		
J 68					
In walls under cills	S	m²	12		
	micron Consol Plastics Gunplas				
	rproof sheeting sealed at laps with				
	re Sensitive Tape:				
Under surface be		ma 2	501		
Under surface De	us.	m²	531		
J 156	S 375				
	Carried to Collection			R	
	IGH SCHOOL				

FLASHINGS ETC. One coat primer and three coats SABS approved acrylic emulsion. m 22 4 Bandage flashing 300mm wide. m 22 JOINT SEALANTS ETC Approved clear silicone sealant: 5 n joints between steel frames and walls m 60 Item 0 Two- part polysubhide sealing compound including backing cord, bond breaker, primer, etc. 7 7 7 7 8 34 7 7 10 × 10m In expansion joints in floors including raking out expansion joint filler as necessary. m 322 3 2 3 × 2 × × × m 322 322 3 2 9 × 8 × 34 × × 5 × 224 10 ************************************			Unit	Quantity	Rate	Amount	
One coat primer and three coats SABS approved m 22 Bandage flashing 300mm wide. m 22 S = 22 JOINT SEALANTS ETC Approved clear silicone sealant: 60 Item = 60 Two- part polysulphide sealing compound including backing out expansion / separation joints in floors including raking out expansion / separation joints in floors including raking out expansion / separation joints in floors including raking out expansion / separation joints in floors joint simulation of the sealing out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joints in floors joint during raking out expansion / separation joint during raking out expansion / separation joint during the separation joint							
One coat primer and three coats SABS approved arc/lic emulsion. m 22 4 Bandage flashing 300mm wide. m 22 yOINT SEALANTS ETC Approved clear silicone sealant: n 60 Item 60 Two-part polysulphide sealing compound including backing out expansion / seperation joints in floors including raking out expansion / seperation joints in floo							
One coat primer and three coats SABS approved m 22 A Bandage flashing 300mm wide. m 22 YOINT SEALANTS ETC Approved clear silicone sealant: 0 Item 60 Two-part polysulphide sealing compound including backing out expansion / seperation joints in floors including raking out expansion / seperation joints in floors including raking out expansion / seperation joints in floors including raking out expansion / seperation joints in floors joint flier as necessary. m 322 J 98 S 224		FLASHINGS ETC.					
Bandage flashing 300mm wide. m 22 JOINT SEALANTS ETC Approved clear silicone sealant: m 60 In joints between steel frames and walls m 60 Item 60 Two - part polysulphide sealing compound including backing cord, bond breaker, primer, stc a 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 3222 J 98 S 224 m 322							
S 22 JOINT SEALANTS ETC Approved clear silicone sealant: 5 In joints between steel frames and walls m 60 Item 60 Two-part polysulphide sealing compound including backing cord, bond breaker, primer, etc m 476 6 3 x 25 mm in saw cut joints in floors. m 476 7 10 x 10mm in expansion / separation joints in floors including raking out expansion joint filler as necessary. m 3222 J 98 S 224 m 322 J 98 S 224 m 322		acrylic emulsion.					
JOINT SEALANTS ETC Approved clear silicone sealant: n 6 5 In joints between steel frames and walls m 60 Item 60 Two-part polysulphide sealing compound including backing cord, bond breaker, primer, etc m 476 3 x 25 mm in saw cut joints in floors. m 476 7 10 x 10mm in expansion / seperation joints in floors including raking out expansion joint filler as necessary. m 322 J 98 S 224	4	Bandage flashing 300mm wide.	m	22			
Approved clear silicone sealant: m 60 1n joints between steel frames and walls m 60 Two-pat polysulphide sealing compound including backing cord, bond breaker, primer, etc. m 476 3 x 25 mm In saw cut joints in floors. m 476 J 92 S 384 7 10 x 10m In expansion / seperation joints in floors including raking out expansion joint filler as necessary. m 322 J 98 S 224 m 322 J 98 S 224 m 322							
5 In joints between steel frames and walls m 60 Hem 80 Two-part polysulphide sealing compound including backing cord, bond breaker, primer, etc 6 3 x 25 mm In saw cut joints in floors. m 476 7 10 x 10m In expansion / separation joints in floors including raking out expansion joint filler as necessary. m 322 J 98 S 224 m 322 J 98 S 224 m 322 L 98 S 224 m 322 L 98 S 224 m 322							
Item 60 Two-part polysulphide sealing compound including backer, primer, etc. 6 3 x 25 mm In saw cut joints in floors. m 476 7 92 S 384 7 10 x 10mm th expansion / seperation joints in floors including raking out expansion joint filler as necessary. m 322 J 98 S 224	_						
Two - part polysulphide sealing compound including backing cord, bond breaker, primer, etc. m 476 3 x 25 mm In saw cut joints in floors. m 476 J 92 S 384 7 10 x 10mm In expansion / seperation joint filler as necessary. m 322 J 98 S 224 J 98 S 224 J 98 S 224	5		m	60			
6 3 x 25 mm ln 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		Two - part polysulphide sealing compound including					
7 10 x 10mm In expansion / seperation joints in floors including raking out expansion joint filler as necessary. m 322 J 98 S 224 Image: Carried to Collection R	6		m	476			
including raking out expansion joint filler as necessary. m 322 J 98 S 224		J 92 S 384					
Carried to Collection	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		

		Amount	
BILL NO. 5 WATERPROOFING COLLECTION	Page No		
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	_		
Carried To Section Summary HTS WELKOM HIGH SCHOOL	R		<u> </u>

						Unit	Quantity	Rate	Amount	
		_								
	SECTION NO.	2								
	BUILDINGS									
	<u>BILL NO. 6</u>									
	ROOF COVER									
	Key:		tion Descrip	otion:						
	Item	Item								
	А	BLOO	CK A - Classi	room						
	С	BLOO	CK C - Admir	n & Cl						
	D		CK D - Abluti							
	E		CK E - Admir							
	F		CK F - Classr							
	H		H - Classro	om						
	J		: I - Admin : J - Dining							
	K		K - Hall							
	N		N - Caretak	er						
	Р	Block	P - Caretak	er						
	Q	Block	Q - Library							
	R		R - Classroo	om						
	S		S - Gym							
	Т		T - Carport							
	X		X - Classoo							
	YZ AA		: YZ - Classro : AA - Works							
	AA AB		AA - Works AB - Works	•						
	AC		AC - Classr	-						
	ADAE		AD/AE - Wr							
	AG		AG - Transf							
	AI	Block	AI - Transfo	orm						
	A1&2	Block	A1 & A2							
	AH	Block	AH - Transf	orm						
	RIBBED META	AL SHEET		ACCESS	ORIES					
	Safintra Saflol									
	fixing roof she	-								
	finish fixed to									
	in accordance	with mai	nufacture	rs instru	ction					
1	Roof covering v transportable le				egrees, in	m²	3 934			
	A 50	С	50	Е	378					
	J 163	Q	350	S	37					
	AA 924	AB	1836	AI	146					
	Flashings:									
2	Ridge capping and notched or				nt along girth	m	219			
	E 42	J	31	Q	21		1.0			
	E 42 AA 56	J AB	31 54	AI	21 15					
				Cominal	to Collection			-		
				Carried	to Collection			R		
	HTS WELKON	I HIGH SC	CHOOL							

							Unit	Quantity	Rate	Amount	
3	Polyc	losers to suit	e nrofil	e of sheeting			m	839			
5	E	168	J	87	Q.	84		009			
	AA	224	AB	216	AI	60					
4	Ridge	end cap					No	14			
	Е	2	J	4	Q	2					
		2 F AND WALL			AI	2 ON					
		r Sisalation									
	Doub	le sided refl	ective	foil laminate	e incol	rporating					
	layers	s of kraft pa	per an	d reinforcing	<u>g scrin</u>	<u>n.</u> Mariana					
	(293g	ated togethe	er witt	1 low density	y polye	<u>etnylene</u>					
5		ation laid taut	over ti	mber rafters	(at app	proximately					
-	1200r	mm centres)	and fix								
	batter	ns, purlins, et	C.				m²	4 311			
	A I	50 336	L C	60 163	E Q	346 350					
	AA	924	AB	1836	AI	146					
	AH	100									
				C	Carried	to Collection			R		
	HTS	WELKOM HI	GH SC								

		Amount	
BILL NO. 6 ROOF COVERINGS COLLECTION	Page No		
Brought Forward from Page	2-23		
	2-24		
Carried To Section Summary	R		
HTS WELKOM HIGH SCHOOL			<u> </u>

	Unit	Quantity	Rate	Amount
SECTION NO. 2				
BUILDINGS				
BILL NO. 7				
CARPENTRY AND JOINERY				
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 - Classoom				
YZ Block YZ - Classroom AA Block AA - Workshop				
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				
ROOF CONSTRUCTION				
Sawn softwood :				
38 x 114mm Wall plates	m	44		
J 44 38 x 114mm Bracings.	m	176		
	m	011		
J 176				
50 x 76mm Purlins.	m	88		
J 88				
50 x 76mm Gable trim.	m	20		
J 20				
Wrought softwood:				
	-			
70 x 70mm Splayed purlins.	m	44		
J 44				
Carried to Collection			R	

		Unit	Quantity	Rate	Amount
	LAMINATED TIMBER				
	Wrought softwood Grade 5:				
6	50 x 220mm Beams bolted.	m	14		
-	J 14				
	ROOF SUNDRIES				
	Sundries:				
7	Teco rafter / beam connector.	No	72		
	J 72				
	EAVES, VERGES, ETC				
	Pressed fibre-cement:				
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				
	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				
	SKIRTINGS				
	Wrought meranti:				
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 SEMI SOLID CORE FLUSH DOORS				
	Flush doors with hardboard covering on both sides				
	with hardwood finger-jointed stiles hung to steel frames:				
11	40mm Door 813 x 2032mm high	No	13		
	J 13				
	Carried to Collection			R	
	HTS WELKOM HIGH SCHOOL				ļ

SOLID CORE FLUSH DOORS	
Flush doors with 3mm thick commercial ply on both	
sides: 12 44mm Door 813 x 2032mm high No 6	
J 2 AB 1 AG 2 AH 1	
13 44mm Door 2100 x 2032mm high No 1	
I 1	
Carried to Collection R	

		Amount	
BILL NO. 7 CARPENTRY AND JOINERY COLLECTION	Page No		
Brought Forward from Page	2-26 2-27 2-28		
Carried To Section Summary HTS WELKOM HIGH SCHOOL	R		

		Unit	Quantity	Rate	Amount
SECTION NO.	2				
BUILDINGS					
BILL NO. 8					
	RTITIONS AND ACCESS FLOORING				
Key:	Location Description:				
Item					
A C	BLOCK A - Classroom BLOCK C - Admin & Cl				
D	BLOCK D - Ablutions				
E	BLOCK E - Admin,Abtn				
F	BLOCK F - Classroom				
Н	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 S	Block R - Classroom Block S - Gym				
T	Block T - Carport				
x	Block X - Classoom				
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 AH	Block A1 & A2 Block AH - Transform				
6,4mm 'Rhino up to brander or 32mm grab Strip' cover st heads stoppe	ND SCREW UP CEILINGS board' M-Strip ceiling fixed print side ing with 32mm galvanized clout nails ber screws at 150mm centers with 'M- trips over joints with all nail or screw d and sanded level, all in strict with the manufacturer's instructions:				
brandering at 4	ing 50 x 50 mm sawn softwood 100mm centres in one direction only to here) at 1,5mm centres.	m²	10 712		
A 631 E 320 J 156 R 955 AB 1836 AI 146	C 288 D 450 H 205 I 672 N 110 Q 350 X 760 YZ 422 AC 545 ADAE 2072 A1&2 794 2012				
	Carried to Collection			R	
HTS WELKOM	1 HIGH SCHOOL	I	ı I		11

DEVELOPMENT BANK OF SOUTH AFRICA

			Unit	Quantity	Rate	Amount	
2	Extra over ceiling for 600 x 600mm	trap door.	No	85			
	A 4 C 4 E 3 H 3 J 5 N 2 R 10 X 5 AB 3 AC 7 AI 1	D 10 I 3 Q 5 YZ 10 ADAE 10					
3	19 x 44mm Cornice nailed		m	4 445			
3	19 x 44mm Cornice nailed A 120 C 178 E 154 H 142 J 99 N 86 R 456 X 350 AB 602 AC 293 AI 46 A1&2 244	D 290 I 667 Q 107 YZ 234 ADAE 377	m	4 445			
	HTS WELKOM HIGH SCHOOL	Carried to Collection			R		

Amount

BILL NO. 8 CEILINGS PARTITIONS AND ACCESS FLOORING COLLECTION	Page No		
Brought Forward from Page	2-30		
	2-31		
Corried To Section Summer (-		<u> </u>
Carried To Section Summary HTS WELKOM HIGH SCHOOL	R		<u> </u>

SECTION NO. 2 BUILDINGS ELLING.3 COCOCOVERNOS Name			Unit	Quantity	Rate	Amount
BULDINGS BULLOQ.3 FLOCA COVERINGS Num Name A BLOCK A- Classroom C BLOCK C- Admin & Ci D BLOCK C- Admin & Ci D BLOCK C- Admin & Ci B BLOCK C- Admin H BLOCK C- Admin J BLOCK C- Classroom H BLOCK C- Admin J BLOCK C- Admin J BLOCK C- Classroom H BLOCK C- Classroom B BLOCK C- Classroom S BLOCK C- Classroom A BLOCK A- Classroom A BLOCK A- Vortshops A BLOCK A- Transform ADAE BLOCK A- Transform						
BULDINGS BULLOQ.3 FLOCA COVERINGS Num Name A BLOCK A- Classroom C BLOCK C- Admin & Ci D BLOCK C- Admin & Ci D BLOCK C- Admin & Ci B BLOCK C- Admin H BLOCK C- Admin J BLOCK C- Classroom H BLOCK C- Admin J BLOCK C- Admin J BLOCK C- Classroom H BLOCK C- Classroom B BLOCK C- Classroom S BLOCK C- Classroom A BLOCK A- Classroom A BLOCK A- Vortshops A BLOCK A- Transform ADAE BLOCK A- Transform						
BULDINGS BULLOQ.3 FLOCA COVERINGS Num Name A BLOCK A- Classroom C BLOCK C- Admin & Ci D BLOCK C- Admin & Ci D BLOCK C- Admin & Ci B BLOCK C- Admin H BLOCK C- Admin J BLOCK C- Classroom H BLOCK C- Admin J BLOCK C- Admin J BLOCK C- Classroom H BLOCK C- Classroom B BLOCK C- Classroom S BLOCK C- Classroom A BLOCK A- Classroom A BLOCK A- Vortshops A BLOCK A- Transform ADAE BLOCK A- Transform						
BULDINGS BULLOQ.3 FLOCA COVERINGS Num Name A BLOCK A- Classroom C BLOCK C- Admin & Ci D BLOCK C- Admin & Ci D BLOCK C- Admin & Ci B BLOCK C- Admin H BLOCK C- Admin J BLOCK C- Classroom H BLOCK C- Admin J BLOCK C- Admin J BLOCK C- Classroom H BLOCK C- Classroom B BLOCK C- Classroom S BLOCK C- Classroom A BLOCK A- Classroom A BLOCK A- Vortshops A BLOCK A- Transform ADAE BLOCK A- Transform	SECTION NO.	2				
BiLL NO. 3 Max Lock A. Classroom A BLOCK A. Classroom C BLOCK A. Classroom B BLOCK A. Classroom E BLOCK D. Abluitons E BLOCK A. Classroom I Block I. Admin J Block J. Admin K Block I. Admin J Block I. Classroom I Block I. Classroom K Block I. Classroom S Block A. Classroom S Block A. Classroom A Block A. Classroom AA Block A. Transform AL Block A. Transform AL Block A. Transform AL Block A. Transform AL Block A. Transform ALS Block A. Transform ALS Block A. Transform ALS						
FLOOR COVERINGS Max Location Dascription: Nem Nem A BLOCK A - Classroom C BLOCK D - Abluitons P BLOCK D - Abluitons F BLOCK F - Classroom I Block H - Classroom S Block A - Classroom K Block A - Classroom S Block A - Classroom S Block A - Classroom S Block A - Classroom A Block A - Classroom AA Block A - Classroom AC Block A - Classroom ADAE Block A - Classroom ADAE Block A - Transform Al Block A - Transform Al Block A - Transform Al Block A H & AZ Block A - Transform Ar Block A H & AZ Block A - Classroom						
Kev: Location Description: Item Item A BLOCK - Classroom C BLOCK 6 - Admins C I D BLOCK 6 - Admins A CI E BLOCK F - Classroom H Block 1 - Admin J Block 1 - Admin J Block 1 - Admin K Block 1 - Carestoon R Block 1 - Carestoon S Block C - Carestoon X Block 1 - Carestoon X Block 7 - Classroom AA Block 7 - Classroom AA Block 7 - Classroom AA Block A - Corestaker Q Block A - Carestaker AB Block A - Corestaker AB Block A - Carestaker AB Block A - Workshop AC Block A - Morkshop AC Block A - Transform Alt2 Block A - AdvAc - Witshop AC Block A - Transform Alt32 Block A - AdvAc - Witshop AC Block A - AdvAc - Markary Minter Outpoing a satisfactory adhesive bond and long term <						
Item Hem A BLOCK A - Classroom C BLOCK D - Ablutions E BLOCK D - Ablutions F BLOCK F - Classroom I Block I - Classroom J Block K - Hall N Block K - Caretaker Q Block I - Caretaker Q Block K - Caretaker Q Block K - Caretaker Q Block X - Caretaker Q Block X - Classroom S Block X - Classroom S Block X - Classroom A Block A - Classroom AG Block A - Classroom AG Block A - Classroom AG Block A - Transform AI Block A - Transform AI Block A 1 Fransform	FLOOR COVE					
A BLOCK A - Classroom C BLOCK C - Admin & Ci D BLOCK C - Admin, Abn E BLOCK F - Classroom H Block F - Classroom I Block I - Classroom J Block I - Classroom N Block I - Classroom J Block I - Caretaker P Block C - Library R Block C - Library R Block C - Library R Block C - Caretaker Q Block C - Library R Block C - Caretaker Q Block C - Caretaker Q Block C - Library R Block A - Classroom S Block A - Classroom A Block AC - Classroom AA Block AD/E - Wrishpp AG	-					
C BLOCK C - Admin & Cl D BLOCK F - Admin , Abtn F BLOCK F - Classroom H Block I - Classroom I Block I - Admin J Block J - Dining K Block N - Caretaker P Block P - Caretaker Q Block C - Lassroom S Block C - Caretaker Q Block X - Classroom S Block X - Classroom S Block X - Classroom A Block A - Classroom A Block A - Classroom AA Block A - Classroom AA Block A - Classroom AC Block A - Strasform AL Block A - Transform AL32 Block AI - Transform AI Block AI - Transform AI32 Block AI - Transform AI12 Block AI - Transform AI2 Block AI - Transform AI32 Block AI - Transform AI2 Block AI - Transform AI2 Block AI - Transform AI2 Block Bisopaperance but also						
D BLOCK D - Ablutions E BLOCK F - Classroom H Block H - Classroom H Block I - Admin J Block J - Dining K Block N - Caretaker P Block O - Library R Block C - Classroom S Block C - Classroom S Block C - Classroom S Block X - Classroom A Block X - Classroom A Block X - Classroom AA Block A - Vorkshops AC Block A - Workshops AC Block A - Transform ALE Block A - Transform ALE Block A - Transform ALZ Block A - Transform ALZ Block A - Transform ALZ Block A + Transform ALI vinyl flooring materials require a smooth, hard, clean, frue and level surface, not only for appearance but also for achieving a satisfactory adhesive bond and long term curaidut V						
E BLOCK E - Admin Abn F BLOCK F - Classroom I Block I - Admin J Block J - Dining K Block K - Hall N Block N - Caretaker P Block P - Caretaker Q Block R - Classroom S Block R - Classroom S Block X - Caretaker Q Block X - Caretaker Q Block A - Classroom X Block A - Classroom AB Block A - Classroom AA Block A - Workshops AC Block A - Workshops AC Block A - Transform AI12 Block A - Transform AI22 Block A - Transform AI132 Block A - Transform AI23 Block A - Transform AI142 Block A - Transform AI24 Block B - Winspin Sacceptable to receive the vinyl flooring specified in respect of levelness, smoothness, soundness and cleanness Cleanness Soundness and Cleanness Carried to Collection						
F BLOCK F - Classroom H Block I - Classroom I Block J - Dining K Block K - Hall N Block N - Caretaker P Block P - Caretaker Q Block S - Gym T Block T - Caretaker P Block S - Gym T Block A - Classroom S Block X - Classroom A Block A - Classroom A Block A - Classroom AB Block A - Classroom AA Block A - Classroom AA Block A - Classroom AC Block AO - Transform ADAE Block AI - Transform A12 Block AI - Transform A12 Block AI * Transform Gracheiv						
I Block I - Admin J Block J - Dining K Block K - Hall N Block N - Caretaker P Block C - Library R Block S - Gym T Block X - Classroom S Block X - Classroom YZ Block X - Classroom A Block X - Classroom AA Block A - Workshop AB Block AD- Classroom AC Block AD - Workshops AC Block AD - Transform ADAE Block AD - Transform AI Block AD - Transform AI Block AI - Transform AI Block AI - Transform AH Block AD - Transform AH Block AI - Transform AI Block AI - Transform AI Block AI - Transform MI vinyf 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 vinyf flooring specified in respect of levelness, smoothness, soundness and cleanness Cleanness Carried to Collection						
J Block J - Dining K Block K - Mall N Block H - Caretaker P Block P - Caretaker Q Block C - Library R Block S - Gym T Block S - Gym T Block X - Classroom S Block A - Classroom S Block A - Classroom A Block A - Classroom AA Block A - Workshop AB Block AA - Workshop AB Block AC - Classroom ADAE Block AC - Classroom ADAE Block AC - Classroom AL Block A - Transform A1 Block AI - Transform A1 Block AI - Transform A1 Block AI - Transform MINUPI 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	н	Block H - Classroom				
K Block K - Hali N Block N - Caretaker Q Block P - Caretaker Q Block R - Classroom S Block S - Gym T Block X - Classroom YZ Block A - Vorkshops AA Block A - Vorkshops AC Block A - Vorkshops AC Block A - Vorkshops AC Block A - Vorkshops AG Block A - Vorkshops AG Block A - Transform A1& Block AI - Varkshop A1 Block AI - Transform A1&2 Block AI - Transform A1&2 Block AI + Transform A1&2 Block AI + Transform A1&2 Block AI + Transform AI1&2 Block AI + Transform AI2 Block AI + Transform Intrue and level surface, not only for appearance but al		Block I - Admin				
N Block N - Caretaker P Block Q - Lbray R Block S - Classroom S Block T - Carpott X Block A - Classroom AA Block A - Vorkshop AA Block A - Workshops AC Block AD-Varkshop AB Block AD-Varkshop AG Block AD-Transform AI Block AD-Transform AI block AD-Transform Block AD-Transform AI block AD-Tarses Block AD-Transform AI block AD-Tarses Block AD-Transform The main contractor shall ensure that the sub-floor is acce	J	-				
P Block P - Caretaker Q Block Q - Libray R Block R - Classroom S Block S - Oam X Block Y - Classroom AA Block X - Classroom AA Block AY - Classroom AA Block AY - Classroom AA Block AY - Classroom AA Block ADVIE AB Block ADVIE AC Block ADVIE AG Block ADVIE AG Block ADVIE AG Block AT Transform AI Block AI * Transform AI22 Block AI * AZ AH Block AI * Transform AI23 Block AI * Transform AI24 AH Block AI * Transform AI22 Block AI * Transform AI23 Block AI * Transform AI24 AH Block AI * Boord AI & AZ AH Block AI * Boord AI & AZ AH Block AI * South AI * So						
Q Block Q - Library R Block R - Classroom S Block S - Gym T Block X - Carport X Block X - Classroom AA Block AC - Classroom AA Block AC - Classroom AA Block AC - Classroom AC Block AC - Classroom AA Block AC - Classroom AC Block AC - Transform AI Block AI - Transform AI&2 Block AI + Transform AI&2 Block AI + Transform AII 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 Cleanness Carried to Collection		_				
R Block R - Classroom S Block S - Cym T Block X - Classroom X Block X - Classroom AA Block A - Workshop AB Block AD/AE - Wrkshop AC Block AC - Classroom ADAE Block AC - Classroom ADAE Block AC - Classroom ADAE Block AC - Classroom AA Block AC - Classroom AA Block AC - Classroom AA Block AC - Classroom AC Block AC - Classroom AA Block AC - Classroom AA Block AC - Classroom AC Block AC - Classroom AC Block AC - Classroom AC Block AL - Transform Atl 2 Block AL - Transform Atl 2 Block AL - Transform 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 cleanness Carried to Collection R						
S Block S - Gym T Block X - Cassoom YZ Block X - Classoom YZ Block A - Workshop AB Block AA - Workshop AC Block AC - Classroom AC Block AC - Instorm AG Block AI - Transform AI Block AI - Transform AI Block AI - Transform AI Block AI - Transform AH Block AI - 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 Cleanness Carried to Collection		-				
T Block T - Carport X Block X - Classoom YZ Block X - Classoom AA Block AA - Workshops AA Block AA - Workshops AC Block AC - Classroom ADAE Block AG - Transform AG Block AG - Transform AI 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 Cleanness Example to collection Carried to Collection R						
X Block X - Classroom YZ Block X2 - Classroom AA Block AA - Workshop AB Block AC - Classroom AC Block AC - Classroom ADAE Block AC - Classroom AG Block AC - Classroom AG Block AC - Classroom AG Block AC - Transform AI Block AI - Transform AI Block AI - Transform AIB2 Block AI - 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 Cleanness Exercise to Collection R Exercise to Collection						
AA Block AA - Workshop AB Block AB - Workshops AC Block AC - Classroom ADAE Block AVAE - Wrkshp AG Block AVAE - Wrkshp AG Block AI - Transform AI Block AI - Transform AI Block AI - Transform MI Block AH - Transform AI Block AH - Transform MI State Block AH - Transform MI Stat		-				
AB Block AB - Workshops AC Block AC - Classroom ADAE Block AC - Wrkshop AG Block AC - Transform AI Block AI - Transform AI Block AI - Transform AI Block AI + Transform AH Block AI + Transform AH Block AI + Transform AH Block AI + 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						
AC Block AC - Classroom ADAE Block AD/AE - Wrkshp AG Block AG - Transform AI Block A1 - Transform A1&2 Block A1 - Transform Alk2 Block A1 - Transform Alk2 Block A1 - Transform 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	AA	Block AA - Workshop				
ADAE Block AD/AE - Wrkshp AG Block AG - Transform AI Block AI - Transform A1&2 Block AI + 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	AB	Block AB - Workshops				
AG Block AG - Transform AI Block AI - Transform A182 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	AC	Block AC - Classroom				
Al 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 R Carried to Collection R		-				
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						
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						
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						
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 Image: Constraint of the sub-floor is acceptable to receive the vinyl flooring specified in respect of levelness, smoothness, soundness and cleanness Carried to Collection R	АП	BIOCK AFI - TRAISIONI				
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 Cleanness Carried to Collection R						
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 Image: Clean cl	true and level s for achieving a	urface, not only for appearance but also				
cleanness Carried to Collection	The main contr acceptable to re	eceive the vinyl flooring specified in				
		ness, smoothness, soundness and				
		Corriad to Collection				
	HTS WELKOM				R	

		Unit	Quantity	Rate	Amount
1	300 x 300 x 2,5mm Thick hard wearing semi-flexible vinyl floor tiles fixed with 'Marley No.60 Acrylic Adhesive': On floors.	m²	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 POLISH, SEALERS, ETC Polish, sealers, etc: Polish Polish		5243		
2	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 E E E E BCOR COVERINGS E E E E	m²	9 245		
3	On floors I 112	m²	112		
	Carried to Collection			R	

		Amount
BILL NO. 9 FLOOR COVERINGS COLLECTION	Page No	
Brought Forward from Page	2-33	
	2-34	
Carried To Section Summary HTS WELKOM HIGH SCHOOL	R	

					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 & 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 - Classoom								
	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			
1					No	2			
2	Item 2 65mm Padlock (trap door)				No	85			
2			4.0		NO	00			
	A 4 C 4 E 3 H 3 I		10 3						
		Ç	5						
		/Z	10						
		AI .	1						
	Manufactured by Geze		_						
3	Ref 730/68 - 76 mm Profile arch sashloc	k S/	S		No	20			
		٨B	1						
	AG 2 AH 1								
	Carr	ried	to Col	llection			R		
	HTS WELKOM HIGH SCHOOL								<u> </u>

DEVELOPMENT BANK OF SOUTH AFRICA

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

		Unit	Quantity	Rate	Amount
16	Ref 079/160E-S/ST P/PL 160 x 160 x 1.2mm anodised aluminium plate with paraplegic symbol.	No	1		
17	I 1 200 x 200 x 3mm Thick perspex plate with fire exit, fire extinguisher, fire hose reel or fire hydrant symbol.	No	5		
	Item 5 BATHROOM FITTINGS				
	Kimberley-Clark:				
18	Approved lockable two roll toilet roll holder, size 144 x 138 x 301mm, plugged.	No	1		
19	Approved liquid soap dispenser, size 200 x 85 x 140mm, grade 304 stainless steel unit, plugged.	No	1		
20	I 1 19mm Diameter chromium plated towel rail 600mm long including end brackets.	No	1		
	I 1				
	SUNDRIES				
	<u>Geze:</u>				
21	Ref 140/83 - Door stop floor mounted	No	15		
	J 15 <u>Chairman Industries:</u>				
22		No	4		
22	32mm Stainless steel side grab rail plugged.	No	1		
23	32mm Stainless steel rear grab rail plugged.	No	1		
	PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC				
	Parrot:				
24	Educational board side panel green writing board 1220 x 920mm high (ED2068) with aluminium chalk rail plugged (AL0120A).	No			
	Item 2	No	2		
25	Edu BD Centre Panel magnetic white board 1820 x 1220mm high (ED7068) with aluminium chalk rail plugged (AL0120B).	No	2		
	Item 2	NO	2		
26	Pinning board 3000 x 1200mm high plugged	No	2		
	Item 2				
	Carried to Collection			R	
	HTS WELKOM HIGH SCHOOL				

		Amount	1
BILL NO. 10 IRONMONGERY COLLECTION	Page No		
Brought Forward from Page	2-36 2-37 2-38		
Carried To Section Summary HTS WELKOM HIGH SCHOOL	R		<u> </u>

			Unit	Quantity	Rate	Amount	
	SECTION NO. 2						
	BUILDINGS						
	BILL NO. 11						
	METALWORK						
		ation Description:					
	Item Item	-					
		CK A - Classroom					
	C BLO	CK C - Admin & Cl					
	D BLO	CK D - Ablutions					
		CK E - Admin,Abtn					
		CK F - Classroom					
		k H - Classroom					
		k I - Admin					
		k J - Dining k K - Hall					
		k N - Caretaker					
		k P - Caretaker					
		k Q - Library					
	R Bloc	k R - Classroom					
		k S - Gym					
		k T - Carport					
		k X - Classoom					
		k YZ - Classroom					
		k AA - Workshop					
		k AB - Workshops k AC - Classroom					
		k AD/AE - Wrkshp					
		k AG - Transform					
		k Al - Transform					
	A1&2 Bloc	k A1 & A2					
	AH Bloc	k AH - Transform					
	GALVANISED STEEL E	BALUSTRADING					
	Framed and welded ba						
	balconies (unpainted):	indettading to dobess					
1	hollow section top and b	ing comprising 25 x 50 x 2,5mm ottom rails, filled with 12 x					
	12mm solid section balu	sters at 100mm cenres, 40 x 40					
		aluster with 100 x 150 x 8mm					
		nd twice bolted at 1500mm					
	centres (As per drawing).	m	232			
	YZ 100 AA	56 AC 76					
	12 100 700						
							<u> </u>
		Carried to Collection			R		
					n		
	HTS WELKOM HIGH S	GHUUL					

		Unit	Quantity	Rate	Amount	
	WELDED GALVANISED SCREENS, GATES, ETC.					
	Screens and gates					
2	Gate 925 x 2032mm high, 10 x 10mm mild steel bars placed at 100mm centres at a 45egress angle with outer frame and inner frame including a pair of suitable hinges welded to frame and lockable sliding bolt with keep in frame	No	1			
	AH 1	110				
3	Gate 3500 x 2032mm high of outer frame and inner frame with a pair of suitable hinges welded to frame and lockable sliding bolt with keep in frame	No	2			
	GALVANISED PRESSED STEEL DOOR FRAMES					
	<u>1,2mm Double rebated frames suitable for half brick</u> walls					
4	Frame for door 813 x 2032mm high	No	15			
	J 15 GALVANISED STEEL WINDOWS, DOORS, ETC.					
	All windows shall be fitted with standard brass fittings					
	recommended by the manufacturer.					
	Burglar bars shall be standard pattern 5 x 20mm flat section bars corresponding horizontally and vertically with glazing bars.					
	Burglar bars to be fitted to all opening sections only unless otherwise described.					
	Standard school windows:					
5	Composite window, 457 x 889mm high	No	3			
	J 3					
6	Composite window, 950 x 1400mm high	No	4			
7	ADAE 4 Composite window, 1500 x 900mm high	No	4			
	J 4					
8	Composite window, 1800 x 1200mm high	No	3			
	J 3					
	Carried to Collection			R		
	HTS WELKOM HIGH SCHOOL					

BILL NO. 11 METALWORK COLLECTION Brought Forward from Page 2:40 2:41			Amount
2.41	METALWORK	Page No	
Carried To Section Summary	Brought Forwa		
		2-41	
	Carried To Section Summary HTS WELKOM HIGH SCHOOL	R	

		Unit	Quantity	Rate	Amount
SECTION NO. 2					
BUILDINGS					
BILL NO. 12					
PLASTERING					
	ion Description:				
Item Item					
A BLOC	K A - Classroom				
C BLOC	K C - Admin & Cl				
	K D - Ablutions				
	CK E - Admin,Abtn				
	CK F - Classroom				
	H - Classroom				
	I - Admin J - Dining				
	K - Hall				
	N - Caretaker				
	P - Caretaker				
Q Block	Q - Library				
R Block	R - Classroom				
	S - Gym				
	T - Carport				
	X - Classoom				
	YZ - Classroom				
	AA - Workshop				
	AB - Workshops AC - Classroom				
	AD/AE - Wrkshp				
	AG - Transform				
	AI - Transform				
	A1 & A2				
AH Block	AH - Transform				
SCREEDS					
All vinyl flooring materials true and level surface, no	require a smooth, hard, clean, t only for appearance but also adhesive bond and long term				
acceptable to receive ving	uld ensure the sub-floor is yl flooring specified in respect of soundness and cleanness				
Screeds on concrete:					
	d landings to falls to receive				
floor tiles.		m²	112		
l 112	d Lon Brown Astor 1 1 1 1 10	2			
	d landings to receive vinyl tiles.	m²	27		
Q 27					
	Carried to Collection			R	
HTS WELKOM HIGH SC	HOOL				

		Unit	Quantity	Rate	Amount	
	INTERNAL PLASTER					
	Cement plaster on brickwork:					
3	On walls.	m²	474			
	J 470 AB 4					
4	On walls to receive tiles.	m²	91			
	A1&2 91 CORNER PROTECTORS, DIVIDING STRIPS, ETC					
	Corner protectors, dividing strips, etc					
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					
	H 5 I 4 J 4					
	Corriad to Collection			-		
	Carried to Collection HTS WELKOM HIGH SCHOOL			R		

		Amount	
BILL NO. 12 PLASTERING COLLECTION	Page No		
Brought Forward from Page	2-43		
	2-44		
	_		
Carried To Section Summary HTS WELKOM HIGH SCHOOL	R		

		Unit	Quantity	Rate	Amount
SECTION NO. 2					
BUILDINGS					
<u>BILL NO. 13</u>					
TILING					
Key:	Location Description:				
Item	Item				
А	BLOCK A - Classroom				
С	BLOCK C - Admin & Cl				
D	BLOCK D - Ablutions				
E	BLOCK E - Admin,Abtn				
F	BLOCK F - Classroom				
Н	Block H - Classroom				
I	Block I - Admin				
J	Block J - Dining				
К	Block K - Hall				
Ν	Block N - Caretaker				
Р	Block P - Caretaker				
Q	Block Q - Library				
R	Block R - Classroom				
S	Block S - Gym				
Т	Block T - Carport				
Х	Block X - Classoom				
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				
	Block A1 & A2				
AH	Block AH - Transform				
WALL TILING					
<u>200 x 200 x 4mm W</u>	hite glazed wall tiles fixed with				
adhesive to plaster	(elsewhere) and flush pointed				
with tinted jointing	<u>compound:</u>				
On walls		m²	195		
	ADAE 50 A1&2 95				
On splashbacks.		m²	10		
	and fitting around nine not				
exceeding 50mm dia	and fitting around pipe not	No	4		
everening pound die		No	1		
J 1					
Ditto but exceeding	50mm and not exceeding 100mm				
diameter.	5	No	1		
J 1					
J 1					
	Carried to Collection	n		R	
		1	1		

		Unit	Quantity	Rate	Amount	
	FLOOR TILING 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:					
5	On floors and landings.	m²	112			
6	I 112 Skirting 100mm high of cut tiles. I 220	m	220			
	Carried to Collection HTS WELKOM HIGH SCHOOL			R		

		Amount	
BILL NO. 13 TILING COLLECTION	Page No		
Brought Forward from Page	2-46		
	2-47		
Carried To Section Summary HTS WELKOM HIGH SCHOOL	R		

				Unit	Quantity	Rate	Amount
SECTION NO. 2	2						
BUILDINGS							
BILL NO. 14							
PLUMBING AN	D DRAINAGE						
Key:	Location Descr	iption:					
Item	Item						
А	BLOCK A - Clas	sroom					
С	BLOCK C - Adm	in & Cl					
D	BLOCK D - Ablu						
E	BLOCK E - Adm						
F	BLOCK F - Clas						
H	Block H - Classr	oom					
I	Block I - Admin						
J	Block J - Dining						
K N	Block K - Hall Block N - Careta	kor					
P	Block P - Careta						
Q	Block Q - Library						
R	Block R - Classr						
S	Block S - Gym						
T	Block T - Carpor	t					
X	Block X - Classo						
ΥZ	Block YZ - Class	sroom					
AA	Block AA - Work	shop					
AB	Block AB - Work	shops					
AC	Block AC - Class	sroom					
ADAE	Block AD/AE - V	/rkshp					
AG	Block AG - Tran	sform					
AI	Block AI - Trans	form					
A1&2	Block A1 & A2						
AH	Block AH - Trans	storm					
RAINWATER D	ISPOSAL						
<u>Ogee aluminiu</u>	<u>m:</u>						
125mm Ogee ea				m	1 109		
		5	20				
A 70 E 80	C 64	D	30 21				
E 80 N 40	I 56 Q 42	J	31 106				
AA 112	AC 152	ADAE					
AA 112 AI 30	AU 102	ADAD	200				
	e eaves gutter for	stopped er	nd	No	52		
					52		
A 4 E 4	C 4	D J	4				
E 4 N 4	I 4 Q 4	J X	4 4				
N 4 AA 4	AC 4	ADAE					
AA 4 AI 4							
		Carried	to Collectic	on		R	

		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 4 4 4				
4	Al 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 12 12 12 12				
6	Extra over 100 x 75mm rainwater pipe for shoe.	No	79		
	A4C4D4E12I4J8N4Q4X4AA6AC6ADAE15AI4				
	'Lecico Sanitaryware' vitreous china wash hand				
7	basins and pedestals: 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 'Lecico Sanitaryware' vitreous china WC suites:				
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			R	
	HTS WELKOM HIGH SCHOOL				

		Unit	Quantity	Rate	Amount	
9	'Plumline' vitreous china urinals: '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			
	WASTE UNIONS ETC					
10	<u>'Cobra Watertech':</u> 32 mm CP basin waste union.	No	18			
10	ADAE 12 A1&2 6	NO	10			
	TRAPS ETC					
	Priced are to include for jointing to uPVC pipe with and including the necessary adaptors unless otherwise described.					
	Butyl rubber:					
11	32 mm deep seal "P" or "S" trap.	No	18			
	ADAE 12 A1&2 6 TAPS,VALVES, ETC					
	Priced are to include for jointing to copper pipe with and including the necessary fittings unless otherwise described.					
	Brass.					
12	15 mm Fulway gate valve.	No	1			
13	^{Item} 1 22 mm Fulway gate valve.	No	1			
14	^{Item} 1 28 mm Fulway gate valve.	No	1			
	Item 1 Plumline					
15	15 mm CP Ballostop.	No	1			
16	^{Item} 1 22 mm CP Ballostop.	No	1			
17	^{Item} 1 15 mm CP Star pillartaps.	No	18			
	ADAE 12 A1&2 6 SANITARY PLUMBING					
	uPVC pipes:					
18	50mm Pipes.	m	1			
	Item 1					
	Carried to Collection			R		
	HTS WELKOM HIGH SCHOOL					

		Unit	Quantity	Rate	Amount
19	110mm Pipes.	m	1		
20	^{Item} 1 50mm Pipes under surface beds.	m	1		
	Item 1				
21	110mm Pipes under surface beds.	m	1		
22	Item 1 110mm Pipes laid in and including trenches not exceeding 1m deep.	m	1		
23	Item 1 50mm Pipes chased into brick walls.	m	1		
	Item 1 Extra over uPVC pipes for fittings:				
24	110mm Reducer.	No	1		
25	^{Item} 1 50mm Bend.	No	1		
26	ltem 1 110mm Bend.	No	1		
27	Item 1 50mm Junction.	No	1		
28	Item 1 110mm Junction.	No	1		
29	ltem 1 110mm Pan connector.	No	1		
30	Item 1 110mm Acess bent pan connector.	No	1		
50	Item 1	NO			
31	50mm Acess bend.	No	1		
32	Item 1 110mm Acess bend.	No	1		
33	^{Item} 1 50mm Acess junction.	No	1		
34	Item 1 110mm Acess junction.	No	1		
35	Item 1 110mm Acess reducing junction.	No	1		
36	Item 1 110mm Acess double junction.	No	1		
	Item 1				
	Carried to Collection				
	HTS WELKOM HIGH SCHOOL			R	

		Unit	Quantity	Rate	Amount	
	WATER SUPPLIES					
	Class 1 copper pipes:					
37	15mm Pipes.	m	1			
38	ltem 1 22mm Pipes.	m	1			
50	Item 1	m	1			
39	28mm Pipes.	m	1			
	Item 1					
40	15mm Pipes chased into brick walls.	m	1			
41	Item 1 22mm Pipes chased into brick walls.	m	1			
41	Item 1		1			
	Extra over copper pipe for capillary fitting:					
42	15mm Fittings.	No	1			
	Item 1					
43	22mm Fittings.	No	1			
44	Item 1 28mm Fittings.	No	1			
	ltem 1	110				
	Extra over copper pipe for brass compression					
	fitting:					
45	15mm Fittings.	No	1			
46	ltem 1 22mm Fittings.	No	1			
	ltem 1					
47	28mm Fittings.	No	1			
	Item 1					
10	Copper overflow and service pipes:					
48	15mm Bent service pipe average 450mm girth and joint to copper pipe and fittings.	No	1			
	Item 1					
49	22mm Bent overflow pipe average 450mm girth and joint to fittings.	No	1			
	Item 1	INU	1			
	FIRE APPLIANCES ETC.					
	<u>'Chubb':</u>					
50	'Everyway' hose reel complete with 30m rubber hose,					
	chromium plated stopcock, shut-off nozzle and wall bracket.	No	1			
	ltem 1	NU				
	Carried to Collection			-		
	HTS WELKOM HIGH SCHOOL			R		

		Unit	Quantity	Rate	Amount	
51	4,5kg DPC fire extinguisher complete with backboard					
	and wall bracket plugged to wall.	No	1			
50	ltem 1 Ditto but 9kg.	Na	1			
52	Item 1	No	I			
53	Watertight high impact, UV- stablised clear acrylic fire					
	hose reel cupboard with numbered twist-action closer seal fixed to brick wall.					
		No	1			
	Item 1 WATER SUPPLIES TO FIRE APPLIANCES					
	Class 1 copper pipes:					
54	28mm Pipes.	m	1			
	Item 1					
55		m	1			
	Item 1					
	Extra over class 1 copper pipes for capillary fittings:					
56	28mm Fittings.	No	1			
	Item 1 TESTING					
57	Testing all pipe systems.	Item				
57	Item 1	item				
	Carried to Collection			R		
	HTS WELKOM HIGH SCHOOL					

BILL NO. 14 Page No Page No 2.49 2.50 2.51 2.52 2.53 2.54 2.54			Amount	
2-50 2-51 2-52 2-53 2-54	PLUMBING AND DRAINAGE	Page No		
2-50 2-51 2-52 2-53 2-54	Brought Forward from D	2 40		
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2-53 2-54				
2-54				
Carried To Section Summary		2-53		
		2-54		
		R		

		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 & Cl					
	D BLOCK D - Ablutions					
	E BLOCK E - Admin,Abtn F BLOCK F - Classroom					
	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 - Classoom 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.	m²	55			
'	I 10 J 25 AA 10		00			
	AB 10 J 25 AA 10					
	4 mm Patterned toughened glass:					
2	Panes exceeding 0,1m2 and not exceeding 0.5m2.	m²	5			
2		111	5			
	N 5 TOPS, SHELVES, DOORS, MIRRORS, ETC.					
	<u>3mm Silvered float glass copper backed mirrors with</u> polished edges fixed with double sided adhesive					
	tape:					
2		No	F			
3	Frameless mirror 700 x 450 mm high.	No	5			
	Item 5					
				_		
	Carried To Section Summary			R		
	HTS WELKOM HIGH SCHOOL					

		Unit	Quantity	Rate	Amount	
	SECTION NO. 2					
	BUILDINGS					
	<u>BILL NO. 16</u>					
	PAINTWORK					
	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					
	T Block T - Carport X Block X - Classoom					
	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					
	An Block An - Transform					
	PAINTWORK ETC. TO NEW SURFACES					
	ON FLOATED PLASTER					
	Prepare surfaces and remove all loose material,					
	apply one coat Alkali Resistant Plaster Primer and					
	two coats superior quality acrylic emulsion paint:					
1	On interior walls.	m²	484			
	J 480 AB 4					
	Carried to Collection	on		R		
	HTS WELKOM HIGH SCHOOL					—

		Unit	Quantity	Rate	Amount
	ON PLASTER BOARD				
	Prepare surfaces and remove all loose material, apply one coatAlkali Resistant Plaster Primer and				
2	two coats superior quality acrylic emulsion paint: On internal ceilings and cornices.	m²	9 963		
2	A 602 C 288 D 450	III-	9 903		
	E 320 H 205 I 672 J 156 N 110 Q 350				
	R 955 X 350 YZ 422				
	AB 1836 AC 395 ADAE 2058 A1&2 794				
3	On external ceilings and cornices.	m²	150		
	AC 150 ON FIBRE-CEMENT, ETC.				
	Prepare surfaces and remove all loose material,				
	apply one coat Alkali Resistant Plaster Primer and two coats superior quality acrylic emulsion paint:				
4	On exterior fascias and barge boards.	m²	774		
	A 55 C 44 E 52 I 43 J 43 Q 39				
	R 61 AA 76 AB 88				
	AC 88 ADAE 161 AI 24 ON METAL				
	Prepare surfaces and remove all loose material,				
	dust, grease, salts and contamination with one coat ater based primer, one coat alkyd based universal				
	undercoat and two coats superior quality universal enamel paint on: galvanised steel or aluminium:				
5	On door frames.	m²	26		
Ū	J 24 AH 2				
6	On window frames with burglar bars (bsm).	m²	50		
7	J 50 On security gates	m²	9		
	J 9				
	ON WOOD, WOOD BOARD Stop, fill, sand down and prepare wood surfaces and				
	apply three coats superior quality clear gloss				
8	<u>varnish</u> On interior / exterior doors.	m²	91		
0	J 80 AB 6 AH 5	111	91		
	Carried to Collection			R	
I	HTS WELKOM HIGH SCHOOL		ı I		ii

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 SUPPLEMENTARY PREAMBLES	
PREPARATORY WORK TO EXISTING WORK	
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	
ON PREVIOUSLY PAINTED SURFACES	
ON EXISTING INTERNAL FLOATED PLASTER SURFACES	
Two coats superior quality acrylic emulsion paint for interior and exterior use	
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 U U U ON EXISTING PLASTERBOARD SURFACES	
Two coats superior quality acrylic emulsion paint for	
interior and exterior use	
11Ceilings and cornices (White colour group)m²845K670X175	
Carried to Collection R	

		Unit	Quantity	Rate	Amount
	ON EXISTING FIBRE-CEMENT BOARD SURFACES				
	Two coats extremely durable UV-resistant washable pure acrylic paint, on work in poor condition				
12	Cills	m²	35		
	YZ 35 ON EXISTING METAL SURFACES				
	One coat alkyd based universal undercoat and one coat superior quality universal enamel paint				
13	Door frames	m²	46		
	A 6 AA 3 AB 2 AI 2 A1&2 33				
14	Security gates	m²	90		
15	X 75 AB 15 On window frames with burglar bars (bsm).	m²	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)	m²	264		
17	X 264 On roof sheeting	m²	380		
	X 380				
	ON EXISTING WOOD SURFACES				
	One coat alkyd based universal undercoat and one coat superior quality universal enamel paint				
18	Doors	m²	256		
	A 21 I 10 YZ 35 AA 10 AB 5 ADAE 50				
	Al 5 A1&2 120				
	Carried to Collection			R	
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		Amount	
BILL NO. 16 PAINTWORK COLLECTION	Page No		
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Amount

			Amount	
	SECTION NO. 2			
	BUILDINGS			
	SECTION SUMMARY			
Bill No.		Page		
1	ALTERATIONS	2-7		
2	EARTHWORKS	2-11		
3	CONCRETE, FORMWORK AND REINFORCEMENT	2-15		
4	MASONRY	2-19		
5	WATERPROOFING	2-22		
6	ROOF COVERINGS	2-25		
7	CARPENTRY AND JOINERY	2-29		
8	CEILINGS PARTITIONS AND ACCESS FLOORING	2-32		
9	FLOOR COVERINGS	2-35		
10	IRONMONGERY	2-39		
11	METALWORK	2-42		
12	PLASTERING	2-45		
13	TILING	2-48		
14	PLUMBING AND DRAINAGE	2-55		
15	GLAZING	2-56		
16	PAINTWORK	2-61		
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SECTION NO. 3

EXTERNAL WORKS

		Unit	Quantity	Rate	Amount	
	SECTION NO. 3					
	EXTERNAL WORKS					
	BILL NO. 1					
	EXTERNAL WORKS (PROVISIONAL)					
	REMOVAL OF EXISTING WORK					
	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.					
	Breaking up and removing reinforced concrete, including cutting off and removing reinforcement including layerworks					
1	Concrete V-drains 900mm wide	m	18			
2	Take up and remove 60mm thick corobrik block paving including 200mm thick layer works, and set aside paving					
	including later relaying in new position	m²	200			
	ALTERATIONS					
	JOINT SEALANTS					
	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'					
3	Concrete V-drains, walkways, etc.	m	9			
	Resealing of joints					
4	Ream out joint and install UV resistant polysulphide sealant	m	25			
	TEMPORARY WORKS					
5	1,5m High 'Bonnox' wire mesh temporary fencing with shade cloth.	m	315			
6	Single gate 900 x 1,5m high.	No	1			
	Carried to Collection					—
	HTS WELKOM HIGH SCHOOL			R		—

		Unit	Quantity	Rate	Amount
	GENERAL SITE CLEARANCE, ETC. Site clearance, etc.:				
7	Allow for clearing of the site all grass, weeds, shrubs, debris, etc and cartwawy all vegetation and stockpile	m²	350		
	KEEPING EXCAVATIONS FREE OF WATER				
	Keeping excavations free of water:				
8	Keeping excavations free of all water other than subterranean water through out this bill .	Item			
	APRONS, PAVING, RAMPS, PATHS AND STEPS				
	Earthworks:				
9	Excavate in soft excavations in earth to reduce levels under ramps, pavings, aprons.	m³	20		
10	Extra over excavations for excavating in soft rock.	m³	2		
11	Extra over excavations for carting away surplus material off site.	m³	30		
12	Approved filling supplied by the Contractor under pavings and paths compacted to a density of 93% Mod AASHTO.	m³	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	m³	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.	m³	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.	m²	200		
16	Approved weed killer to surface of earth under pavings, aprons, etc.	m²	200		
	Take from where set aside and relay paving				
17	Relay corobrik block paving	m²	200		
	Monetary Allowance				
18	Allow a provisional allowance of R 150 000.00 (One Hundred and Fifty Thousand Rands) for external works to be ascertained on site	ltem			150 000 00
	Carried to Collection HTS WELKOM HIGH SCHOOL			R	

Amount BILL NO. 1 EXTERNAL WORKS (PROVISIONAL) **COLLECTION** Page No Brought Forward from Page 3-2 3-3 Carried To Section Summary R HTS WELKOM HIGH SCHOOL

		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	<u>BILL NO. 2</u> <u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	STORM WATER CHANNELS.				
	Smooth finished in-situ reinforced concrete 25Mpa/13mm channels:				
1	900 x 130mm Smooth finished open V shaped channel to detail, cast in alternative panels and to falls, including excavations, shaping and grading ground as required, formwork, mesh Ref 193.	m	143		
2	Extra for angles, intersections, ends, dressing into sides of catchpits, etc.	No	4		
3	12mm Thick bitumen impregnated softboard between vertical concrete surfaces of channels.	m	143		
4	Approved polysulphide sealing compound to joints of channels.	m	143		
	Monetary Allowance				
5	Allow a monetary allowance fo R 50 000.00 for proving and cleaning pipework	Item			50 000 00
6	Allow a monetary allowance of R 25 000.00 for cleaning of all sewer and stormwater manholes	Item			25 000 00
	TESTING				
7	Testing all plumbing systems.	Item			
	Carried To Section Summary			R	
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Amount

	SECTION NO. 3			
	EXTERNAL WORKS			
	SECTION SUMMARY			
Bill No.		Page		
1	EXTERNAL WORKS (PROVISIONAL)	3-4		
2	PLUMBING AND DRAINAGE (PROVISIONAL)	3-5		
	Carried to Final Summary	R		<u> </u>
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SECTION NO. 4

PROVISIONAL SUMS

			Amount	
	SECTION NO. 4			
	PROVISIONAL SUMS			
	The following Provisional Amounts are all Net amounts Exclusive of commision 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.		0 000 000	00
11		Item		
12	Attendance on ditto.	Item		
10	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		
	Carried To Section Summary	R		
I	HTS WELKOM HIGH SCHOOL	11-		

			Amount	
15	Attendance on ditto.	Item		
	CARPENTRY & JOINERY			
16	Provide the amount of R 100,000.00 (One Hundred Thousand Rands) for Carpentry & Joinery	Item	100 000	00
17	Profit on above item	Item		
18	Attendance on ditto.	Item		
	The following Electrical Works are to be undertaken by direct contractors, selected at the client's discretion			
19	ELECTRICAL INSTALLATION Provide the amount of R 620 000.00 (Six Hundred and Twenty Thousand			
15	Rands) for Electrical Installation	Item	620 000	00
20	Profit on above item.	Item		
21	Attendance on ditto.	Item		
	BUDGETARY ALLOWANCES			
22	Allow a budgetary amount of R 187 500.00 (One Hundred and Eighty Seven Thousand Rands) for Community Liaison Officer (CLO)	Item	187 500	00
23	Allow a budgetary amount of R 200 000.00 (Two Hundred Thousand Rands) for the provision of skills development and mentorship of			
	candidates for the duration of construction	Item	200 000	00
	BUILDER'S WORK IN CONNECTION WITH PROVISIONAL SUMS			
24	Provide the amount of R 50 000.00 (Fifty Thousand Rands) for Builder's Work in connection with Provisional Sums.	ltem	50 000	00
	Carried To Section Summary	R		
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FINAL SUMMARY

FINAL SUMMARY			
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SECTION 2 : BUILDINGS		2-62	
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SECTION 4 : PROVISIONAL SUMS		4-4	
	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	
TOTAL CARRIED TO FORM OF OFFER		R	
FS-1			