

SECTION 1

PRELIMINARIES AND GENERAL

Item No		Quantity	Rate	Amount
	<p><u>SECTION 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES AND GENERAL</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>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</p> <p>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</p> <p>Contractor's are referred to the abovementioned documents for the full intent and meaning of each clause thereof.</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract, such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the above-mentioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should Option A, as set out in Clause B 10.3.1 hereinafter be used for the adjustment of the preliminaries then each item priced is to be allocated to one or more of the three categories; Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p>			
	Carried Forward		R	
	<p>Bill No. 1</p> <p>Preliminaries</p> <p>SECTION 1 - PRELIMINARIES AND GENERAL</p> <p>POPANO SECONDARY SCHOOL</p>			

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Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities

PREAMBLES FOR TRADES

The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained

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

SECTION A - JBCC PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

A1 DEFINITIONS AND INTERPRETATION

Clause 1.0

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

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	<p>Clause 1.1 Definition of "Interest" is amended by replacing it with the following:</p> <p>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)</p> <p>(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</p> <p>(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.</p> <p>Clause 1.6.4 is amended by replacing it with the following:</p> <p>No clause</p>			
1	<p>F:..... V:.....</p> <p>T:.....</p> <p><u>OBJECTIVE AND PREPARATION</u></p> <p><u>A2 OFFER, ACCEPTANCE AND PERFORMANCE</u></p> <p>Clause 2.0</p>	Item		
2	<p>F:..... V:.....</p> <p>T:.....</p> <p><u>A3 DOCUMENTS</u></p> <p>Clause 3.0</p>	Item		
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<p>Clause 3.7 is amended by the addition of the following:</p> <p>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</p>		
3	<p>F:..... V:..... T:.....</p> <p><u>A4 DESIGN RESPONSIBILITY</u></p> <p>Clause 4.0</p>	Item
4	<p>F:..... V:..... T:.....</p> <p><u>A5 EMPLOYERS AGENTS</u></p> <p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4</p>	Item
5	<p>F:..... V:..... T:.....</p> <p><u>A6 SITE REPRESENTATIVE</u></p> <p>Clause 6.0</p>	Item
6	<p>F:..... V:..... T:.....</p> <p><u>A7 COMPLIANCE WITH REGULATIONS</u></p> <p>Clause 7.0</p>	Item
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<p>Note: 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</p>		
7	<p>F:..... V:..... T:.....</p> <p><u>A8 WORKS RISK</u></p> <p>Clause 8.0</p>	Item
8	<p>F:..... V:..... T:.....</p> <p><u>A9 INDEMNITIES</u></p> <p>Clause 9.0</p>	Item
9	<p>F:..... V:..... T:.....</p> <p><u>A10 WORKS INSURANCES</u></p> <p>Clause 10.0</p> <p>Clause 10.0 is amended by the addition of the following clauses:</p>	Item
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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

(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

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<p style="text-align: center;">Brought Forward</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works</p> <p>10.7 High risk insurance</p> <p>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:</p> <p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL</p>		R	
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<p style="text-align: right;">Brought Forward</p> <p>10.7.1 Damage to the works</p> <p>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</p> <p>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</p> <p>10.7.2 Injury to persons or loss of or damage to property</p> <p>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</p> <p>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</p> <p>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</p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL</p>		R	

Brought Forward		R
10	<p>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</p> <p>F:..... V:..... T:.....</p> <p><u>A11 LIABILITY INSURANCES</u></p> <p>Clause 11.0</p>	Item
11	<p>F:..... V:..... T:.....</p> <p><u>A12 EFFECTING INSURANCES</u></p> <p>Clause 12.0</p>	Item
12	<p>F:..... V:..... T:.....</p> <p><u>A13 ASSIGNMENT</u></p> <p>Clause 13.0</p>	Item
13	<p>F:..... V:..... T:.....</p> <p><u>A14 SECURITY</u></p> <p>Clause 14.0</p> <p>Clauses 14.1 - 14.8 are amended by replacing them with the following:</p>	Item
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<p style="text-align: right;">Brought Forward</p> <p>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)</p> <p>14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>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</p> <p>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.</p> <p>14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>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</p> <p>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</p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL</p>		R	

<p style="text-align: right;">Brought Forward</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>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 (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>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</p> <p>14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <p>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</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL</p>		R	
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<p style="text-align: right;">Brought Forward</p> <p>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:</p> <p>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)</p> <p>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</p> <p>14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <p>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</p> <p>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</p> <p>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:</p> <p>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</p> <p>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</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL</p>		R	
		R	

14	<p style="text-align: right;">Brought Forward</p> <p>14.6.3 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>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</p> <p>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:</p> <p>14.7.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(B)</p> <p>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</p> <p>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</p> <p>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</p> <p>F:..... V:..... T:.....</p> <p><u>EXECUTION</u></p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL</p>	Item	R	

	Brought Forward	R
A15	PREPARATION FOR AND THE EXECUTION OF THE WORKS	
	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	
15	F:..... V:..... T:.....	Item
A16	ACCESS TO THE WORKS	
	Clause 16.0	
16	F:..... V:..... T:.....	Item
A17	CONTRACT INSTRUCTIONS	
	Clause 17.0	
17	F:..... V:..... T:.....	Item
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	A18 SETTING OUT OF THE WORKS		
	Clause 18.0 Setting Out Of The Works (Clause 18) 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.		
18	F:..... V:..... T:.....	Item	
	A19 ASSIGNMENT		
	Clause 19.0		
19	F:..... V:..... T:.....	Item	
	A20 NOMINATED SUB CONTRACTORS		
	Clause 20.0 Clause 20.1.3 is amended by replacing it with the following: No Clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums		
20	F:..... V:..... T:.....	Item	
	A21 SELECTED SUBCONTRACTORS		
	Clause 21.0 Clause 21 is amended by replacing it with: No Clause		
21	F:..... V:..... T:.....	Item	
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		Brought Forward		R	
		<u>A22 EMPLOYERS DIRECT CONTRACTORS</u>			
		Clause 22.0			
22	F:..... V:..... T:.....	Item			
		<u>A23 CONTRACTORS DOMESTIC SUBCONTRACTOR</u>			
		Clause 23.0			
23	F:..... V:..... T:.....	Item			
		<u>COMPLETION</u>			
		<u>A24 PRACTICAL COMPLETION</u>			
		Clause 24.0			
24	F:..... V:..... T:.....	Item			
		<u>A25 WORKS COMPLETION</u>			
		Clause 25.0			
25	F:..... V:..... T:.....	Item			
		<u>FINAL COMPLETION</u>			
		Clause 26.0			
26	F:..... V:..... T:.....	Item			
		<u>A27 LATENT DEFECTS LIABILITY PERIOD</u>			
		Clause 27.0			
27	F:..... V:..... T:.....	Item			
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		Brought Forward			R
		<u>A28 SECTIONAL COMPLETION</u>			
		Clause 28.0			
28	F:..... V:..... T:.....		Item		
		<u>A29 REVISION OF DATE FOR PRACTICAL COMPLETION</u>			
		Clause 29.0			
		Revision of Date for Practical Completion (Clause 29) The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor the adjustment of contract value (Clause 29.3)			
29	F:..... V:..... T:.....		Item		
		<u>PENALTY FOR NON COMPLETION</u>			
		Clause 30.0			
30	F:..... V:..... T:.....		Item		
		<u>PAYMENT</u>			
		Clause 31.0			
		The inclusion of materials and goods stored off site in the amount authorized 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.			
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Clause 31.8 is amended by replacing it with the following two alternative clauses:

Alternative A

31.8(A) Where a **security** is selected in terms of 14.1; 14.5 or 14.6, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(A).1 Ninety-five per cent (95%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(A).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(A).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(A).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

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	Alternative B			
	31.8(B) 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(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion			
	31.8(B).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(B).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(B).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) calendar days" with thirty (30) calendar 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			
31	F:..... V:..... T:.....	Item		
	<u>A32 ADJUSTMENT TO THE CONTRACT VALUE</u>			
	Clause 32.0			
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	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 " F:..... V:..... T:.....			
32		Item		
	<u>A33 RECOVERY OF EXPENSE AND LOSS</u>			
	Clause 33.0			
	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			
33	F:..... V:..... T:.....	Item		
	<u>A34 FINAL ACCOUNT AND FINAL PAYMENT</u>			
	Clause 34.0			
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

	Brought Forward		R	
	Clause 34.13 is amended by replacing seven (7) calendar days with twenty-one (21) calendar days and deleting the words subject to the employer giving the contractor a tax invoice for the amount due			
34	F:..... V:..... T:.....	Item		
	<u>A35 PAYMENT TO OTHER PARTIES</u>			
	Clause 35.0			
35	F:..... V:..... T:.....	Item		
	<u>CANCELLATION</u>			
	<u>A36 CANCELLATION BY EMPLOYER - CONTRACTORS DEFAULT</u>			
	Clause 36.0			
	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			
36	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

Brought Forward

R

A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE

Clause 37.0

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

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

Item

A38 CANCELLATION BY CONTRACTOR - EMPLOYERS DEFAULT

Clause 38.0

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

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

Item

A39 CESSATION - CANCELLATION OF THE WORKS

Clause 39.0

Carried Forward

R

Bill No. 1
Preliminaries

**SECTION 1 - PRELIMINARIES AND GENERAL
POPANO SECONDARY SCHOOL**

	Brought Forward		R	
39	F:..... V:..... T:.....	Item		
	<u>A40 DISPUTE SETTLEMENT</u>			
	Clause 40.0			
	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:			
	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			
40	F:..... V:..... T:.....	Item		
	<u>SUBSTITUTE PROVISIONS</u>			
	<u>A41 STATE CLAUSES</u>			
	Clause 41.0			
41	F:..... V:..... T:.....	Item		
	<u>THE SCHEDULE</u>			
	Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder			
	Pre-tender information (clause 42)			
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

	Brought Forward		R	
42	F:..... V:..... T:.....	Item		
	Clause 42.0			
	Tenderers are referred to document C1.2: Contract Data for variables pertaining to this contract			
43	F:..... V:..... T:.....	Item		
	<u>SECTION B - PRELIMINARIES</u>			
	<u>DEFINITIONS AND INTERPRETATION</u>			
	<u>Definitions and Interpretation</u>			
44	F:..... V:..... T:.....	Item		
	<u>DOCUMENTS</u>			
	Checking of Documents			
45	F:..... V:..... T:.....	Item		
	Provisional bills of quantities			
46	F:..... V:..... T:.....	Item		
	Availability of construction documentation			
47	F:..... V:..... T:.....	Item		
	Interests of Agents			
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

Brought Forward		R	
48	F:..... V:..... T:.....	Item	
	Priced documents		
49	F:..... V:..... T:.....	Item	
	Tender submission		
	Clause 2.6 is amended by replacing JBCC Form of Tender with "Form of Offer / Tender" included in the returnable schedules		
50	F:..... V:..... T:.....	Item	
	<u>THE SITE</u>		
	Defined works area		
51	F:..... V:..... T:.....	Item	
	Geotechnical investigation		
52	F:..... V:..... T:.....	Item	
	Inspection of the site		
	Tenderers shall complete the Site INspection Certificate included in the tender documents and return the same with the tender submission		
53	F:..... V:..... T:.....	Item	
	Existing premises occupied		
Carried Forward		R	
	Bill No. 1 Preliminaries		
	SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL		

Brought Forward			R
54	F:..... V:..... T:.....	Item	
	Previous work dimensional accuracy		
55	F:..... V:..... T:.....	Item	
	Previous work defects		
56	F:..... V:..... T:.....	Item	
	Services known		
57	F:..... V:..... T:.....	Item	
	Services unknown		
58	F:..... V:..... T:.....	Item	
	Protection of trees		
59	F:..... V:..... T:.....	Item	
	Articles of value		
60	F:..... V:..... T:.....	Item	
	Inspection of adjoining properties		
61	F:..... V:..... T:.....	Item	
Carried Forward			R
Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

		Brought Forward		R	
		<u>MANAGEMENT OF CONTRACT</u>			
		Management of the works			
62	F:..... V:..... T:.....		Item		
		Programme for the works			
63	F:..... V:..... T:.....		Item		
		Progress meetings			
64	F:..... V:..... T:.....		Item		
		Technical meetings			
65	F:..... V:..... T:.....		Item		
		Labour and plant records			
66	F:..... V:..... T:.....		Item		
		<u>SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
		Samples of Materials			
67	F:..... V:..... T:.....		Item		
		Workmanship Samples			
68	F:..... V:..... T:.....		Item		
		Carried Forward		R	
		Bill No. 1 Preliminaries			
		SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

Brought Forward		R	
	Shop Drawings		
69	F:..... V:..... T:.....	Item	
<u>TEMPORARY WORKS AND PLANT</u>			
	Deposits and Fees		
70	F:..... V:..... T:.....	Item	
	Enclosure of the works		
71	F:..... V:..... T:.....	Item	
	Advertising		
72	F:..... V:..... T:.....	Item	
	Plant, equipment, sheds and offices		
73	F:..... V:..... T:.....	Item	
	Main notice board		
74	F:..... V:..... T:.....	Item	
	Subcontractors notice board		
75	F:..... V:..... T:.....	Item	
Carried Forward		R	
Bill No. 1 Preliminaries			
SECTION 1 - PRELIMINARIES AND GENERAL			
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	Brought Forward	R	
	<u>TEMPORARY SERVICES</u>		
	Location		
76	F:..... V:..... T:.....	Item	
	Water		
77	F:..... V:..... T:.....	Item	
	Electricity		
78	F:..... V:..... T:.....	Item	
	Telecommunication facilities		
79	F:..... V:..... T:.....	Item	
	Ablution facilities		
80	F:..... V:..... T:.....	Item	
	<u>PRIME COST AMOUNTS</u>		
	Responsibility for Prime Cost Amounts		
81	F:..... V:..... T:.....	Item	
	<u>ATTENDANCE ON N/S SUBCONTRACTORS</u>		
	General attendance		
	Carried Forward	R	
	Bill No. 1 Preliminaries		
	SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL		

Brought Forward			R
The schedule rates providing for attendance on nominated subcontractors and other contractors, will be adjusted only if the scope of works has changed			
82	F:..... V:..... T:.....	Item	
Special attendance			
83	F:..... V:..... T:.....	Item	
Commissioning, fuel, water and electricity			
84	F:..... V:..... T:.....	Item	
<u>FINANCIAL ASPECTS</u>			
Statutory taxes, duties and levies			
85	F:..... V:..... T:.....	Item	
Payment for preliminaries			
86	F:..... V:..... T:.....	Item	
Adjustment of preliminaries			
87	F:..... V:..... T:.....	Item	
Payment certificate cash flow			
88	F:..... V:..... T:.....	Item	
Carried Forward			R
Bill No. 1 Preliminaries			
SECTION 1 - PRELIMINARIES AND GENERAL			
POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>GENERAL</u>			
Protection of the Works			
89	F:..... V:..... T:.....	Item	
Protection / Isolation of Existing / Sectionally Occupied Works			
90	F:..... V:..... T:.....	Item	
Security of the Works			
91	F:..... V:..... T:.....	Item	
Notice Before Covering Work			
92	F:..... V:..... T:.....	Item	
Disturbance			
93	F:..... V:..... T:.....	Item	
Environmental Disturbance			
94	F:..... V:..... T:.....	Item	
Works Cleaning and Clearing			
95	F:..... V:..... T:.....	Item	
Vermin			
Carried Forward			R
Bill No. 1 Preliminaries			
SECTION 1 - PRELIMINARIES AND GENERAL			
POPANO SECONDARY SCHOOL			

[illegible]

<p style="text-align: right;">Brought Forward</p> <p>This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.</p> <p>Spaces requiring information must be filled in, shown as not applicable or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets</p> <p><u>12.1 PRE TENDER INFORMATION</u></p> <p>12.1.1 Provisional Bills of Quantities [2.2] The quantities are provisional</p> <p>12.1.2 Availability of construction documentation [2.3] <i>Construction of documentation is complete</i> YES</p> <p>12.1.3 Interest of agents [2.4] Details: None</p> <p>12.1.4 Defined works area [3.1] Details: Restrictions will be pointed out at the site inspection</p> <p>12.1.5 Geotechnical investigation [3.2] Details: N/A</p> <p>12.1.6 Existing premises occupied [3.4] Specific requirements: N/A</p> <p>12.1.7 Previous work - dimensional accuracy [3.5] Details:</p> <p>12.1.8 Previous work - defects [3.6] Details:</p> <p>12.1.9. Services - known [3.7] Details: Existing services and points of connection will be pointed out on site by the principal agent</p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL</p>		R	

<p style="text-align: right;">Brought Forward</p> <p>12.1.10 Protection of trees [3.9] Specific requirements:</p> <p>12.1.11 Inspection of adjoining properties [3.11] Specific requirements:</p> <p>12.1.12 Enclosure of the works [6.2} Specific requirements:</p> <p>12.1.13 Offices [6.4.3] Specific requirements: 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.</p> <p>12.1.14 Main notice board [6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering.</p> <p>12.1.15 Subcontractors' notice board [6.6] Specific requirements:</p> <p style="text-align: right;">NO</p> <p>12.1.16 Water [7.2} Option A (by contractor)</p> <p style="text-align: right;">YES</p> <p>Option B (by employer - free of charge)</p> <p style="text-align: right;">NO</p> <p>Option C (by employer - metered)</p> <p style="text-align: right;">NO</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL</p>		R	
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Brought Forward		R	
12.1.17 Electricity			
[7.3] Option A (by contractor)	YES		
Option B (by employer - free of charge)	NO		
Option C (by employer - metered)	NO		
12.1.18 Telecommunications			
[7.4] Telephone	YES		
Facsimile	YES		
E-mail	YES		
12.1.19 Ablution facilities			
[7.5] Option A (by contractor)	YES		
Option B (by employer)	NO		
12.1.20 Protection of existing/sectionally occupied works			
[11.2] Protection is required	YES		
12.1.21 Special attendance			
[9.2] N/A			
12.1.22 Protection of works			
[11.1] Specific requirements:			
12.1.23 Disturbance			
[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			
12.1.24 Environmental disturbance			
[11.6] Specific requirements:			
Carried Forward		R	
Bill No. 1			
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	Brought Forward	R
12.2 POST-TENDER INFORMATION		
12.2.1 Payment of preliminaries		
[10.2] Option A (prorated)	YES/NO	
Option B (calculates)	YES/NO	
12.2.2 Adjustment of preliminaries		
[10.3] Option A (three categories)	YES/NO	
Option B (detailed breakdown)	YES/NO	
12.2.3 Additional agreed preliminaries items		
Details:		
SECTION C - SPECIFIC PRELIMINARIES		
Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item		
C1 CONTRACT DRAWINGS		
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		
F:..... V:..... T:.....	Item	
Carried Forward		
Bill No. 1 Preliminaries		R
SECTION 1 - PRELIMINARIES AND GENERAL		
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	Brought Forward		R	
	<u>C2 MODEL PREAMBLES FOR TRADES PREAMBLES</u>			
	The items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 1997 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained			
103	F:..... V:..... T:.....	Item		
	<u>C3 TRADE NAMES</u>			
	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			
104	F:..... V:..... T:.....	Item		
	<u>C4 OCCUPATIONAL HEALTH AND SAFETY</u>			
	Allowance to be made under this clause for compliance with all requirements of the occupational health and safety act and regulations			
105	F:..... V:..... T:.....	Item		
	Health & Safety (clause C15)			
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

	<p style="text-align: center;">Brought Forward</p> <p>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</p> <p><u>Occupational Health and Safety Act</u></p> <p><u>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</u></p> <p>F:..... V:..... T:.....</p>		R	
106		Item		
	<p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL</p>		R	

	Brought Forward		R	
	<u>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</u>			
107	F:..... V:..... T:.....	Item		
	<u>Provision of reflective vests</u>			
108	F:..... V:..... T:.....	Item		
	<u>Principal contractor's initial obligations in respect of the Health and Safety Act, Construction Regulations and Covid-19 regulations, etc</u>			
109	F:..... V:..... T:.....	Item		
	<u>Principal contractor's time related obligations in respect of the Health and Safety Act, Construction Regulations and Covid-19 regulations, etc</u>			
110	F:..... V:..... T:.....	Item		
	<u>Provision of personal protective equipment (PPE)</u>			
	<u>Provision of reflective vests</u>			
111	F:..... V:..... T:.....	Item		
	<u>Provision of hard hats</u>			
112	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

		Brought Forward			R	
		<u>Provision of protective footwear</u>				
113	F:..... V:..... T:.....		Item			
		<u>Provision of earplugs</u>				
114	F:..... V:..... T:.....		Item			
		<u>Provision of dust masks</u>				
115	F:..... V:..... T:.....		Item			
		<u>Provision of gloves</u>				
116	F:..... V:..... T:.....		Item			
		<u>Provision of high visibility overalls to SARTSM Chapter 13 Level 3</u>				
117	F:..... V:..... T:.....		Item			
		<u>Provision of SANS approved ear defenders</u>				
118	F:..... V:..... T:.....		Item			
		<u>Provision of face masks (Covid -19)</u>				
119	F:..... V:..... T:.....		Item			
		<u>Provision of face shields (Covid -19)</u>				
120	F:..... V:..... T:.....		Item			
		Carried Forward			R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL					

	Brought Forward		R	
	<u>Provision of gloves (Covid -19)</u>			
121	F:..... V:..... T:.....	Item		
	<u>Provision of hand sanitiser (min 70% alchohol), foot press stands and paper towels (Covid -19)</u>			
122	F:..... V:..... T:.....	Item		
	<u>Occupational Health and Safety</u>			
	<u>Provision of covered refuse bins and refuse bags and waste (including hazardous) management (Covid -19)</u>			
123	F:..... V:..... T:.....	Item		
	<u>Provision of digital infrared non-contact body thermometer (Covid -19, minimum of two per site entrance)</u>			
124	F:..... V:..... T:.....	Item		
	<u>Provision of perspex screens for office staff (Covid - 19, minimum size 600 x 500mm)</u>			
125	F:..... V:..... T:.....	Item		
	<u>Provision of signage, including Covid -19 related signage</u>			
126	F:..... V:..... T:.....	Item		
	<u>Provision of full time construction health and safety officer (SACPCMP Registered)</u>			
127	F:..... V:..... T:.....	Item		
	Carried Forward		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

	Brought Forward			R	
	<u>Medical certificates and medical surveillance including initial (baseline) medical examinations, periodic examinations, and exit examinations</u>				
128	F:..... V:..... T:.....	Item			
	<u>Medical screenings, examinations, etc in terms of Covid-19 regulations</u>				
129	F:..... V:..... T:.....	Item			
	<u>Induction training, including Covid-19 training</u>				
130	F:..... V:..... T:.....	Item			
	<u>Provision of first aid boxes to GSR requirements</u>				
131	F:..... V:..... T:.....	Item			
	<u>Noise monitoring including establishment of noise zones (plant), audiograms (personnel), etc</u>				
132	F:..... V:..... T:.....	Item			
	<u>Submission of health and safety file</u>				
133	F:..... V:..... T:.....	Item			
	<u>HIV/AIDS Awareness</u>				
	<u>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained.</u>				
	Carried Forward			R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL				

	Brought Forward		R	
	<p><u>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the Employer, notwithstanding the provisions of clause A 31.0 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</u></p>			
134	<p>F:..... V:..... T:.....</p> <p><u>Awareness Campaign</u></p> <p><u>Selection, appointment, briefing and making available of an Awareness Campaign including provision of all relevant services, all in accordance with the HIV/AIDS Specification</u></p>	Item		
135	<p>F:..... V:..... T:.....</p> <p><u>Awareness workshops</u></p> <p><u>Selection and appointment of a competent Service Provider approved by the Employer, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification</u></p>	Item		
136	<p>F:..... V:..... T:.....</p> <p><u>Posters, booklets, videos etc</u></p>	Item		
	Carried Forward		R	
	<p>Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL</p>			

	Brought Forward		R	
	<u>Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification</u>			
137	F:..... V:..... T:.....	Item		
	<u>Access to condoms</u>			
	<u>Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification</u>			
138	F:..... V:..... T:.....	Item		
	<u>Monitoring</u>			
	<u>Monitoring HIV/AIDS awareness of workers, providing the Employer with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification</u>			
139	F:..... V:..... T:.....	Item		
	<u>SUMMARY OF CATEGORIES</u>			
140	Category: Fixed F:.....	Item		
141	Category: Value V:.....	Item		
142	Category: Time T:.....	Item		
	Carried to Summary		R	
	Bill No. 1 Preliminaries SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

SECTIONAL SUMMARY		Page No	Amount
1	Preliminaries	44	
Sub Total carried forward to Final Summary			R
SECTION 1 - PRELIMINARIES AND GENERAL POPANO SECONDARY SCHOOL			

SECTION 2

REPAIRS AND MAINTENANCE WORKS

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 1</u> <u>DEMOLITIONS</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u> Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u> No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u> Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent</p> <p>Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site</p>			
	Carried Forward		R	
	Bill No. 1 Demolitions SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

<p style="text-align: center;">Brought Forward</p> <p>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</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>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)</p> <p><u>NOTE</u></p> <p>The Contractor is advised to visit the site prior to pricing the following items in order to ascertain the exact nature and full extent of the works as no liability whatsoever shall be accepted as a result of brevity of descriptions.</p> <p>All dimensional descriptions are to be treated as approximate</p> <p>The Contractor shall, in all cases, allow for disposal of materials arising from demolition and alteration works. This shall apply even if it is not expressly provided for on the description of an item</p> <p style="text-align: center;">Carried Forward</p> <p>Bill No. 1 Demolitions SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL</p>		R	
		R	

Brought Forward			R
<p>Demolition of brick walls shall be deemed to include removal and carting away sundry items existing within the walls to be demolished except for doors, door frames and window frames which are elsewhere measured.</p> <p>The Contractor will be held responsible for and is to make good at his own expense any damage caused to the existing remaining structures and surrounding buildings and all work not to be removed during the progress of the works and also to any fittings, etc., and is to leave all perfect and watertight on completion, cover and protect as necessary</p> <p><u>TEMPORARY BARRIERS, SCREENS ETC</u></p> <p><u>Temporary barriers, screens etc, including removal</u></p>			
1	Dust screen minimum 1800mm high formed of suitable timber or steel framing with 375 micron polyethylene sheeting or equally approved material, fixed onto one side, including corners, ends, etc including all access gates and the removal of such upon completion of the works (As per Architect's specification)	m	786
<p><u>DEMOLITIONS</u></p> <p><u>Demolishing and removing</u></p>			
2	Block A - Single storey building with walkway - pitched roof, overall approximately 22048mm x 12577mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and safe disposal thereof complete, including any safe disposal certificates were required	No	1
3	Block C - Single storey building with walkway - pitched roof, approximately 15389mm x 10551mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and safe disposal thereof complete, including any safe disposal certificates were required	No	1
Carried Forward			R
<p>Bill No. 1 Demolitions SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL</p>			

Brought Forward			R
4	Block D - Single storey building with walkway - pitched roof, approximately 30126mm x 10449mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and safe disposal thereof complete, including any safe disposal certificates were required	No	1
5	Block E - Single storey building with walkway - pitched roof, approximately 15365mm x 10837mm on plan, comprising reinforced concrete surface bed, brick walls, and roof sheeting on timber trusses, including grubbing up all foundations, removal and safe disposal thereof complete, including any safe disposal certificates were required	No	1
6	Interlinking walkways with pitched roof, approximately 20000mm x 2000mm wide on plan, comprising reinforced concrete surface bed, all steel members, roof sheeting etc, including grubbing up all foundations, removal and disposal thereof complete	No	1
<u>CREDITS</u>			
<u>Allowance for credit for materials salvaged from demolitions</u>			
7	Items allocated for Block A, C, D, E and walkways, as detailed above	Item	
Carried to Summary			R
Bill No. 1 Demolitions SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 2</u> <u>ALTERATIONS</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u> Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u> No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u> Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent</p> <p>Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site</p>			
	Carried Forward		R	
	Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

<p style="text-align: center;">Brought Forward</p> <p>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</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>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)</p> <p><u>NOTE</u></p> <p>The Contractor is advised to visit the site prior to pricing the following items in order to ascertain the exact nature and full extent of the works as no liability whatsoever shall be accepted as a result of brevity of descriptions.</p> <p>All dimensional descriptions are to be treated as approximate</p> <p>The Contractor shall, in all cases, allow for disposal of materials arising from demolition and alteration works. This shall apply even if it is not expressly provided for on the description of an item</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL</p>		R	

Brought Forward			R
<p>Demolition of brick walls shall be deemed to include removal and carting away sundry items existing within the walls to be demolished except for doors, door frames and window frames which are elsewhere measured.</p> <p>The Contractor will be held responsible for and is to make good at his own expense any damage caused to the existing remaining structures and surrounding buildings and all work not to be removed during the progress of the works and also to any fittings, etc., and is to leave all perfect and watertight on completion, cover and protect as necessary</p> <p><u>REMOVAL OF EXISTING WORK</u></p>			
1	Average 120mm thick surface bed	m2	821
<u>Breaking down and removing brickwork etc</u>			
2	Half brick walls (Loose brickwork)	m2	65
<u>Taking out and removing doors, windows etc from brickwork, including all ironmongery, thresholds, sills etc, and making good cement plaster on both sides, where required</u>			
3	Single door and frame not exceeding 2.5m2	No	12
4	Glazed windows not exceeding 2.5m2	No	42
<u>Taking down and removing roofs, floors, panelling, ceilings, partitioning etc</u>			
5	Timber roofing structure complete including all sheeting, timber members, insulation, fixings etc complete (Measured flat on plan)	m2	1,575
6	Roof coverings, insulation etc	m2	1,575
7	Gypsum plasterboard ceilings including all cornices and preparing the existing branderling etc for new ceilings (elsewhere measured)	m2	398
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Taking down and removing sundry joinery, metal works, fittings etc</u>			
8	Timber skirtings plugged, including quarter round timber etc	m	649
9	Fibre cement (or similar) fascia and barge boards	m	486
<u>Taking up and removing vinyl floor coverings, carpeting etc and preparing screeds for new floor coverings</u>			
10	Vinyl tile floor coverings	m2	1,206
<u>Hacking up / off and removing granolithic, screeds, plaster etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes etc</u>			
11	Average 30mm screed from floors	m2	821
<u>Hacking up/off and removing ceramic tiles including removing the mortar bed / adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish etc</u>			
12	Tiles to floors	m2	43
13	Tiles to walls	m2	5
14	Tile skirtings 100mm high	m	82
<u>Taking out and removing piping, sanitary fittings etc including disconnecting piping from fittings and making good floor and wall finishes if required (making good paintwork and tiling elsewhere measured)</u>			
15	Vitreous china wash hand basin, including any mirrors above	No	5
16	Vitreous china WC pan and cistern	No	7
17	Vitreous china urinal	No	2
18	Stainless steel sink	No	0.4
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Taking out and removing piping, rainwater disposal items, including all fixings etc</u>			
19	Eaves gutters	m	554
20	Rainwater downpipes	No	42
<u>REPAIRING CRACKS TO CONCRETE FLOORS</u>			
<u>Remedial works as per Engineering specifications</u>			
21	Groove open cracks in surface beds, slabs etc to form a "V" Groove. Remove all debris using a wire brush pr pressure washer if required. Clean and dry surface around the crack, Repair / stitch using an approved cementitious non shrink grout or structural mortar mix, ensuring that the grout fills deep into the crack. Brush the surface smooth to match the texture of the existing surface allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	63
22	Ream out the top 15mm of joints in surface beds, slabs etc, remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, install an approved UV resistant polysulphide sealant ensuring that the sealant fills deep into the opening. Brush the surface smooth to match the texture of the existing surface allowing the sealant to cure, as per Engineering specifications and Manufacturer's instructions	m	14
<u>REPAIRING CRACKS TO BRICK WALLS</u>			
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward				R
<u>Remedial works as per Engineering specifications</u>				
23	Groove open cracks in walls vertically and/or diagonally above/below windows and doors etc to form a "V" Notch. Remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, Saw cut the "V" Grooves perpendicular to the crack length and epoxy R8 bars in grooves at 250mm centres over the crack length. Fill with approved cementitious non shrink grout or structural mortar mix using mesh reinforcement Ref 100. Brush the surface smooth allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	443	
<u>BUILDING UP OPENINGS</u>				
<u>Sundries</u>				
24	Cutting toothings and bonding new brickwork to existing brickwork (rate only)	m2	65	
<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
<u>Existing brick walls (plastered / painted / face brickwork)</u>				
25	Cleaning of all walls, piers, posts etc with sugar soap or a similar approved method (As per Architectural specifications)		Item	
26	Treat all areas of mould and fungal growth by applying a coat of micro-organism treatment biocide as per Manufacturer's instructions. Prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	m2	3,810	
Carried Forward				R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL				

Brought Forward			R
<u>Existing floors</u>			
27	Preparing screeds using a "Pavelite" or similar compound to create a sound, smooth and level surface in accordance with SANS (As per Architectural specifications) in preparation for new finishes (elsewhere measured)	m2	1,249
28	Preparing screeds and / or existing external floor surfaces (including such to stairs, landings etc) to create a sound, level surface in accordance with SANS (As per Architectural specifications)	m2	72
<u>Existing Windows</u>			
29	Block B: Type T1 size 2935mm x 1510mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	6
30	Block B: Type T2 size 2989mm x 1000mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	5
31	Block B: Type T3 size 977mm x 650mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	2
32	Block B: Type T4 size 1950mm x 950mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	2
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
33	Block B: Type T5 size 2946mm x 600mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	1
34	Block F: Type T1 size 1511mm x 654mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	24
35	Block F: Type T2 size 1022mm x 1246mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	32
36	Block H: Type T1 size 1511mm x 654mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	24
37	Block H: Type T2 size 1022mm x 1246mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	32
38	Block G, I & L: Type T1 size 966mm x 660mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	5
39	Block G, I & L: Type T2 size 1500mm x 660mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	15
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
40	Block G & L: Type T3 size 1800mm x 660mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	4
41	Block J & K: Type T1 size 1511mm x 654mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	16
42	Block J & K: Type T2 size 1022mm x 654mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	8
43	Block J & K: Type T3 size 1511mm x 1264mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	32
44	Block M: Type T1 size 475mm x 900mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	1
45	Block M: Type T2 size 515mm x 640mm high window frames and burglar bars - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	1
46	Removal of paint from existing glazed windows and, clean, in preparation for installation of new vinyl film (elsewhere measured)	m2	41
Carried Forward			R
Bill No. 2 Alterations SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward		R	
<u>Existing Doors</u>			
47	External single doors approximate size 900mm x 2100mm high - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	8
48	External gates to the above single doors - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	8
49	Internal single doors approximate size 900mm x 2100mm high - prepare all surfaces by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for new paint (elsewhere measured)	No	40
<u>MAKING GOOD OF FINISHES</u>			
<u>Making good brickwork</u>			
50	Making good brickwork where loose bricks were removed	m2	65
<u>Making good internal cement plaster</u>			
51	Walls in patches	m2	5
<u>BUDGETARY ALLOWANCES</u>			
52	Allow a budgetary allowance of R100,000.00 (One hundred thousand rands) for any additional demolitions and alterations works, to be allocated as per the instruction from the Principal Agent	Item	100,000.00
53	Allow a budgetary allowance of R30,000.00 (Thirty thousand rands) for the removal and carting away of rubble from the service lanes, to be allocated as per the instruction from the Principal Agent	Item	30,000.00
Carried to Summary		R	
Bill No. 2 Alterations			
SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 3</u> <u>CONCRETE, FORMWORK & REINFORCEMENT</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the architect. (Test cubes are measured separately)</p> <p>Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p>			
	Carried Forward		R	
	<p>Bill No. 3 Concrete, Formwork & Reinforcement SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL</p>			

Brought Forward			R
Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described			
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"			
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
1	Underpinning to existing brick walls, including excavations alongside the existing foundations in limited lengths, down to the new founding levels, casting new reinforced concrete footings, average size 1000mm x 300mm thick, including all working spaces, shoring, backfilling, formwork, concrete, reinforcement etc complete (As per Engineering specifications)	m	149
2	Surface beds cast in panels on waterproofing	m3	246
<u>CONCRETE SUNDRIES</u>			
<u>Test Blocks</u>			
3	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes	No	5
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>			
4	Surface beds, slabs, etc	m2	821
<u>ROUGH FORMWORK</u>			
<u>Rough formwork to sides</u>			
5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	16
<u>REINFORCEMENT</u>			
Carried Forward			R
Bill No. 3 Concrete, Formwork & Reinforcement SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 4</u> <u>WATERPROOFING</u> <u>(PROVISIONAL)</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Waterproofing Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer 375 micron embossed "Gunplas Brikgrip" polyethylene damp proof course fixed with approved adhesive</u>			
1	In walls, stepped up in cavities, under cills, etc.	m2	68	
	<u>BUDGETARY ALLOWANCES</u>			
2	Allow a budgetary allowance of R75,000.00 (Seventy five thousand rands) for sourcing, isolating and repairing water leaks / ingress of water causing damage to the walls, floors etc, to be allocated as per the instruction from the Principal Agent		Item	75,000.00
	Carried to Summary			R
	Bill No. 4 Waterproofing SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
<u>SECTION 2</u> <u>BILL NO. 5</u> <u>ROOF COVERINGS</u> <u>(PROVISIONAL)</u>				
NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract				
<u>PROFILED FIBRE-CEMENT SHEETING AND ACCESSORIES</u>				
<u>ROOF COVERINGS</u>				
<u>Safintra 0.55mm thick 700mm cover Saflok 700 Colorplus interlocking concealed fix roof covering, fixed to timber purlins at 2112mm centres and end span purlins at 1920mm centres by means of SL 700 Clip 21 clips secured to purlins in combination with a suitable class Safintra approved water head self-tapping fasteners, all in accordance with manufacturer's recommendations, as per Architectural specifications</u>				
1	Roof covering with pitch not exceeding 25 degrees	m2	1,890	
2	0.6mm Colomate finished galvanised metal ridge cap with ridge closers laid in accordance to manufacturer's specifications, as per Architectural specifications	m	143	
3	Polyclosures to suit profile	m	486	
4	Eaves fillers	m	486	
<u>ROOF AND WALL LINING AND INSULATION</u>				
Carried Forward				R
Bill No. 5 Roof Coverings SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL				

Brought Forward				R
	<u>100mm non-combustible lightweight fibreglass insulation</u>			
5	Insulation laid taut over timber rafters, in accordance with manufacturer's specifications, all installed between the beams and laid loose on top of brandering etc, as per Architectural specifications	m2	1,890	
Carried to Summary				R
Bill No. 5				
Roof Coverings				
SECTION 2 - REPAIR AND MAINTENANCE WORKS				
POPANO SECONDARY SCHOOL				

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 6</u> <u>CARPENTRY AND JOINERY</u> <u>(PROVISIONAL)</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Fixing</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
	<u>ROOFS ETC</u>			
	<u>Design, fabrication, supply and installation of the Roof Structure Construction. The Timber Roof Construction Sub-Contractor shall provide all materials (such as nails, ties, trusses, rafters, bracing, painting of exposed timbers, purlins, etc), equipment, labour, services and Engineer's Certificate necessary for the complete and efficient operation of the Installation, all in strict accordance to the architect's approval</u>			
1	Roof area measured flat on plan	m2	1,575	
	<u>Sawn Softwood</u>			
2	38 x 114mm Wall plates	m	336	
	<u>SKIRTINGS</u>			
	Carried Forward			R
	Bill No. 6 Carpentry and Joinery SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Wrought Meranti</u>			
3	100 x 18mm Skirting plugged, including quarter round timber	m	649
<u>DOORS ETC</u>			
<u>Semi-solid flush panel doors</u>			
4	Standard internal door size 813 x 2032 x 40mm	No	4
<u>Meranti Timber Doors</u>			
5	813 x 2032mm high Framed, ledged and braced meranti door	No	8
<u>Solid flush panel doors with hardboard both sides and two concealed edges</u>			
<u>FRAMED FRAMES ETC</u>			
<u>Hardwood Frames, stained as per Architectural specifications</u>			
6	76 x 44mm Frames suitable for single doors	No	4
Carried to Summary			R
Bill No. 6 Carpentry and Joinery SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 7</u> <u>CEILINGS, PARTITIONING & ACCESS FLOORING</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same / similar dimensions as the ceiling grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels / boards have not been deducted and pricing is to take cognisance thereof)</p> <p><u>NAILED UP CEILINGS</u></p> <p><u>6,4mm "Gyproc RhinoBoard" flush plastered ceilings and bulkheads with square edged RhinoBoard fixed print side up with 25mm Rhinoboard sharp point screws at 150mm centres to Donn steel brander at 300mm centres in one direction. All joints to be covered with RhinoTape fixed over joints, double over butt joints, plastered with 3mm to 6mm thick Rhinolite multipurpose plaster, all fixed to slab / timber rafters at centres not exceeding 1000mm, all in accordance with the manufacturer recommendations</u></p>			
1	Ceilings including 50 x 50 mm sawn softwood brander at 400mm centres in one direction only to trusses (elsewhere) at 1,5mm centres	m2	398	
	Carried Forward		R	
	<p>Bill No. 7 Ceilings, Access Flooring etc SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL</p>			

Brought Forward				R
2	Extra over ceiling for 600 x 600mm trap door of 38 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	7	
	<u>"Rhino" or similar approved Moulded Gypsum Cornices</u>			
3	75mm Coved cornice	m	219	
	<u>CEILING INSULATION</u>			
	<u>Aerolite insulation</u>			
4	100mm Thick insulation closely fitted and laid on top of ceilings including cutting and fitting around roof timbers	m2	350	
Carried to Summary				R
Bill No. 7				
Ceilings, Access Flooring etc				
SECTION 2 - REPAIR AND MAINTENANCE WORKS				
POPANO SECONDARY SCHOOL				

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 8</u> <u>FLOOR COVERINGS</u> <u>(PROVISIONAL)</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Fixing</u> Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc			
	<u>VINYL FLOOR COVERINGS, WALL LININGS, ETC</u> 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			
	<u>FLOOR COVERINGS</u>			
	<u>300 x 300mm Non-slip resilient vinyl tile floor covering (Polyflor XL 2mm thick fully flexible PVC sheet flooring laid) as per manufacturer's recommendations on screed</u>			
1	On floors	m2	1,206	
	<u>POLISH, SEALERS, ETC</u>			
	<u>Polish on vinyl flooring</u>			
2	Two coats of approved wax polish on vinyl flooring	m2	1,206	
	Carried to Summary			R
	Bill No. 8 Floor Coverings SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 9</u> <u>IRONMONGERY</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>HINGES, BOLTS, ETC</u></p> <p><u>"Union" or equal and approved</u></p> <p>1 Brass butt hinges No 37</p> <p>2 CP WC indicator bolt with keep No 4</p> <p><u>LOCKS, CATCHES, CABIN HOOKS, ETC</u></p> <p><u>"Union" or equal and approved</u></p> <p>3 CP four lever lockset with striking plate No 9</p> <p>4 51mm Padlock No 8</p> <p>5 Master key No 1</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 9 Ironmongery SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL</p>			
			R	

Brought Forward			R
6	Grand master key	No	1
<u>HANDLES</u>			
<u>"Union" or equal and approved</u>			
7	Satin chrome lever handle on plate back to back	No	9
8	SS lever handle on plate W/C bathroom	No	4
<u>SUNDRIES</u>			
<u>"Union" or equal and approved</u>			
9	Code: 140/69 - S/Steel floor mount doorstop	No	12
10	Code: 154/69 - S/S Hat and coat hook with rubber buffer	No	4
<u>VINYL FILM TO WINDOWS</u>			
<u>Applied to existing prepared surfaces to reduce sunlight glare</u>			
11	To glazed windows	m2	41
Carried to Summary			R
Bill No. 9 Ironmongery SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 10</u> <u>METALWORK</u> <u>(PROVISIONAL)</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	<p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p>			
	<u>MILD STEEL DOORS, FRAMES ETC</u>			
	<u>1.2mm Double rebated frames including all sealing etc as per Architectural specifications</u>			
1	Frame for single door, size 813 x 2032 mm high	No	12	
	<u>Metal gates</u>			
2	Gate overall approximate size 900 x 2032mm high gate with 50 x 50mm mild steel square frame and 10 x 10mm mild steel bars placed at 100mm centres at 45 degree angles, hung with two pair of galvanised mild steel hinges including locks, handles, ironmongery complete, as per Architectural specifications	No	8	
	Carried Forward			R
	Bill No. 10 Metalwork SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>MILD STEEL WINDOWS, LOUVRES, DOORS, ETC.</u>			
<u>Standard Steel "School Type" metal windows as per Architectural specifications including all brass fittings</u>			
3	Block B: Type T1 size 2935mm x 1510mm high	No	1
4	Block B: Type T2 size 2989mm x 1000mm high	No	1
5	Block B: Type T3 size 977mm x 650mm high	No	1
6	Block B: Type T4 size 1950mm x 950mm high	No	1
7	Block B: Type T5 size 2946mm x 600mm high	No	1
8	Block G, I & L: Type T1 size 966mm x 660mm high	No	1
9	Block G, I & L: Type T2 size 1500mm x 660mm high	No	3
10	Block G & L: Type T3 size 1800mm x 660mm high	No	1
11	Block F, H, J & K: Type T1 size 1511mm x 654mm high	No	13
12	Block F, H, J & K: Type T2 size 1022mm x 654mm high	No	14
13	Block J & K: Type T3 size 1511mm x 1264mm high	No	6
14	Block M: Type T1 size 475mm x 900mm high	No	1
15	Block M: Type T2 size 515mm x 640mm high	No	1
<u>Burglar bars (as per Architectural specifications) made to standard "School Type" pattern to be welded at all intersections and against window frames to be fixed sections at inside of classroom and bent 75mm (or as approved) away from glass, fitted over entire window</u>			
16	To fit window to Block B: Type T1 size 2935mm x 1510mm high	No	1
17	To fit window to Block B: Type T2 size 2989mm x 1000mm high	No	1
Carried Forward			R
Bill No. 10 Metalwork SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

	Brought Forward			R
18	To fit window to Block B: Type T3 size 977mm x 650mm high	No	1	
19	To fit window to Block B: Type T4 size 1950mm x 950mm high	No	1	
20	To fit window to Block B: Type T5 size 2946mm x 600mm high	No	1	
21	To fit window to Block G, I & L: Type T1 size 966mm x 660mm high	No	1	
22	To fit window to Block G, I & L: Type T2 size 1500mm x 660mm high	No	3	
23	To fit window to Block G & L: Type T3 size 1800mm x 660mm high	No	1	
24	To fit window to Block F, H, J & K: Type T1 size 1511mm x 654mm high	No	13	
25	To fit window to Block F, H, J & K: Type T2 size 1022mm x 654mm high	No	14	
26	To fit window to Block J & K: Type T3 size 1511mm x 1264mm high	No	6	
27	To fit window to Block M: Type T1 size 475mm x 900mm high	No	1	
28	To fit window to Block M: Type T2 size 515mm x 640mm high	No	1	
<u>EAVES, VERGES, ETC</u>				
<u>Aluminium or similar approved fascia / barge boards</u>				
29	Aluminium barge boards including jointing strips etc if required, as per Architectural specifications	m	486	
Carried to Summary				R
Bill No. 10 Metalwork SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL				

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Item No		Quantity	Rate	Amount																				
	<p><u>SECTION 2</u> <u>BILL NO. 12</u> <u>TILING</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> <p><u>WALL TILING</u></p> <p><u>200 x 200 x 10mm thick ceramic tiles (similar or equal approved) on plastered brickwork including adhesive backing etc</u></p> <table><tr><td>1</td><td>On splashbacks</td><td>m2</td><td>5</td><td></td></tr></table> <p><u>FLOOR TILING</u></p> <p><u>500 x 500 x 13mm thick clay tiles, Type B1 laid on polymer cement adhesives</u></p> <table><tr><td>2</td><td>On floors, landings, treads etc</td><td>m2</td><td>43</td><td></td></tr><tr><td>3</td><td>Skirting 100mm high of cut stretcher course tiles</td><td>m</td><td>82</td><td></td></tr></table> <p><u>Edge trims</u></p> <table><tr><td>4</td><td>"Genesis ESA 225" Aluminium edge trim to tiling</td><td>m</td><td>82</td><td></td></tr></table>	1	On splashbacks	m2	5		2	On floors, landings, treads etc	m2	43		3	Skirting 100mm high of cut stretcher course tiles	m	82		4	"Genesis ESA 225" Aluminium edge trim to tiling	m	82				
1	On splashbacks	m2	5																					
2	On floors, landings, treads etc	m2	43																					
3	Skirting 100mm high of cut stretcher course tiles	m	82																					
4	"Genesis ESA 225" Aluminium edge trim to tiling	m	82																					
Carried Forward			R																					
Bill No. 12 Tiling SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL																								

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Item No		Quantity	Rate	Amount
	<u>SECTION 2</u> <u>BILL NO. 13</u> <u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Watertite" or similar approved aluminium</u>			
1	155 x 100 x 115mm Ogee eaves gutters	m	554	
2	Extra over 155 x 100 x 115mm Ogee eaves gutter for stopped end	No	36	
3	Extra over 155 x 100 x 115mm Ogee eaves gutter for outlet for 100 x 75mm pipe	No	42	
4	100 x 75mm Rainwater pipes	m	168	
5	Extra over 100 x 75mm rainwater pipe for bend	No	126	
6	Extra over 100 x 75mm rainwater pipe for shoe	No	42	
	<u>SANITARY FITTINGS</u>			
	<u>STAINLESS STEEL - Franke or other approved</u>			
7	One piece drop in sink 0.9mm stainless steel, tap hole, mild steel gallow brackets and legs	No	0.4	
	Carried Forward			R
	Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>"Vaal" or equal Approved</u>			
8	"Lecico Atlas" Code ATLDUOBAS0500BE, white vitreous china 50cm basin with full pedestal, fixed with stainless steel screws and washers to plugs in wall and sealed with abe Dow Corning acetoxysilicone sealant where basin meets wall, with 1 tap hole	No	6
9	"Lecico Madison" Code MADBOXDFL0SCSBE white vitreous china close couple suite including seat and cover bolted to bowl with metal washers and rubber gaskets, with cistern, with foot of bowl sealed to floor with abe Dow Corning acetoxysilicone sealant	No	7
10	"Lecico Atlas" Code ATLBOXURI0B40BE white vitreous china 40cm urinal colour White, with back inlet and waste outlet including wall mounting brackets and connected to water supply, sealed with silicone sealant where urinal meets wall	No	2
<u>WASTES UNIONS ETC</u>			
<u>"Cobra Watertech"</u>			
11	32mm 301CP slotted basin waste union	No	6
12	40mm 316CP unslotted bath or sink waste union	No	1
<u>TRAPS ETC</u>			
<u>"Flexitrap" flexible rubber traps, etc</u>			
13	50mm Deep seal "P" or "S" sink trap	No	6
<u>"Cobra Watertech"</u>			
14	32mm 345/50CP deep seal bottle trap with outlet for 50mm PVC	No	1
15	40mm 345/50CP deep seal bottle trap with outlet for 50mm PVC	No	1
Carried Forward			R
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>TAPS, VALVES, ETC</u>			
<u>Taps, valves, etc and joints to copper pipes including all necessary adaptors, etc</u>			
<u>"Cobra Watertech" or similar</u>			
16	15mm 232/350CP angle regulating valve with 350mm long bendable service pipe	No	1
17	15mm 832/350FCP ball type angle valve with 350mm long with 350mm long flexible hose connector	No	1
18	15mm ballovalve type valve	No	1
19	22mm 1003/125RB fullway gate valve	No	1
20	35mm Ballostop	No	1
21	50mm Ballostop	No	1
22	15mm Underwall stopcock	No	1
23	15 mm Brass hose tap	No	1
24	Plumline Moderna Chrome pillar taps (Code:038735)	No	6
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
25	25mm Pipes	m	1
26	50mm Pipes	m	1
27	50mm Pipes chased in	m	1
28	110mm Pipes	m	1
29	110mm Pipes chased in	m	1
<u>Extra on UPVC piping for the following fittings:</u>			
30	25mm fittings	No	1
Carried Forward			R
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
31	50mm Bend	No	1
32	110mm Bend	No	1
33	50mm access bend	No	1
34	110mm access bend	No	1
35	50mm Junction	No	1
36	110mm Junction	No	1
37	50mm access junction	No	1
38	110mm access junction	No	1
39	110mm reducing junction	No	1
40	110mm pan connector	No	7
41	110mm bent pan connector	No	1
42	110mm IE pipe	No	1
43	50mm "Two-way" vent valve	No	1
44	110mm "Two-way" vent valve	No	1
45	110mm rodding eye	No	1
<u>Sundries</u>			
46	Testing waste pipe system		Item
<u>WATER SUPPLIES</u>			
<u>DOMESTIC AND FIRE</u>			
<u>Class 0 copper pipes</u>			
47	15mm Pipes	m	1
48	15mm Pipes chased in to brick walls	m	1
Carried Forward			R
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

	Brought Forward			R
49	22mm Pipes	m	1	
50	22mm Pipes chased in to brick walls	m	1	
51	28mm Pipes	m	1	
52	35mm Pipes	m	1	
53	42mm Pipes	m	1	
	<u>Extra over class 0 copper pipes for capillary fittings</u>			
54	15mm fittings	No	1	
55	22mm fittings	No	1	
56	28mm fittings	No	1	
57	35mm reducer	No	1	
58	42mm reducer	No	1	
59	35mm elbow	No	1	
60	42mm elbow	No	1	
61	35mm tee	No	1	
62	42mm tee	No	1	
63	35mm reducing tee	No	1	
64	42mm reducing tee	No	1	
65	35mm copper to iron coupler	No	1	
66	42mm copper to iron coupler	No	1	
67	42mm copper to iron elbow	No	1	
68	32mm copper to iron elbow	No	1	
69	54 mm Elbow	No	1	
	Carried Forward			R
	Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R	
70	54 mm Male iron elbow	No	1	
	<u>Extra over class 0 copper pipes for brass compression fittings</u>			
71	15mm fitting	No	1	
72	22mm fittings	No	1	
73	28mm fittings	No	1	
74	35mm copper to iron coupler	No	1	
75	42mm copper to iron coupler	No	1	
	<u>TESTING</u>			
76	Allow for testing the whole of the hot and cold water supply to the satisfaction of the architect and Local authority. All defective work to removed and made good at the contractors expense and the whole re tested until found satisfactory.		Item	
	<u>BUDGETARY ALLOWANCES</u>			
77	Allow a budgetary allowance of R60,000.00 (Sixty thousand rands) for the servicing of the existing sanitary fittings, including all necessary remedial and repair works, to be allocated as per the instruction from the Principal Agent		Item	60,000.00
Carried to Summary			R	
Bill No. 13 Plumbing and Drainage SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL				

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Item No		Quantity	Rate	Amount
	<p><u>SECTION 2</u> <u>BILL NO. 15</u> <u>PAINTWORK</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>All paintwork in this contract shall, unless otherwise described, be executed using the "Plascon / Dulux" range of products, as per Architectural Specifications</p> <p><u>PAINTWORK ETC TO EXISTING AND NEW SURFACES</u></p> <p>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</p> <p>Previously painted metal surfaces Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p>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</p> <p><u>ON EXISTING FLOATED PLASTER</u></p>			
	Carried Forward		R	
	<p>Bill No. 15 Paintwork SECTION 2 - REPAIR AND MAINTENANCE WORKS POPANO SECONDARY SCHOOL</p>			

Brought Forward			R
<u>One coat primer and two coats acrylic paint (as per architectural specifications)</u>			
1	On internal and/or external walls	m2	3,810
<u>ON PLASTER BOARD</u>			
<u>One coat primer and two coats acrylic paint (as per architectural specifications)</u>			
2	On skimmed ceilings	m2	398
<u>ON METAL</u>			
<u>Prepare and apply one coat primer, one universal undercoat and two coats enamel paint (as per Architectural specifications)</u>			
3	On windows, doors, gates etc	m2	451
4	On backs of door frames	m2	73
5	On barge boards etc	m2	228
<u>ON WOOD</u>			
<u>Three coats superior quality clear varnish, including all sealants</u>			
6	On doors, frames etc	m2	248
7	Skirtings, rails, etc not exceeding 300mm girth	m	649
Carried to Summary			R
Bill No. 15			
Paintwork			
SECTION 2 - REPAIR AND MAINTENANCE WORKS			
POPANO SECONDARY SCHOOL			

Bill No	SECTIONAL SUMMARY		Page No	Amount	
1	Demolitions		49		
2	Alterations		59		
3	Concrete, Formwork & Reinforcement		62		
4	Waterproofing		63		
5	Roof Coverings		65		
6	Carpentry and Joinery		67		
7	Ceilings, Access Flooring etc		69		
8	Floor Coverings		70		
9	Ironmongery		72		
10	Metalwork		75		
11	Plastering		76		
12	Tiling		78		
13	Plumbing and Drainage		84		
14	Glazing		85		
15	Paintwork		87		
Sub Total carried forward to Final Summary				R	
SECTION 2 - REPAIR AND MAINTENANCE WORKS					
POPANO SECONDARY SCHOOL					

SECTION 3

NEW WORKS

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 1</u> <u>EARTHWORKS</u> <u>(PROVISIONAL)</u> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with some "soft rock" or "hard rock".</p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.</p> <p><u>SITE CLEARANCE ETC</u></p> <p><u>Site clearance</u></p> <p>1 Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc m2 1,300</p> <p><u>EXCAVATION, FILLING, ETC</u></p> <p><u>Excavation in earth not exceeding 2m deep</u></p> <p>2 Reduced levels m3 587</p> <p>3 Trenches, ground beams etc m3 417</p> <p><u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u></p> <p>4 Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face m2 926</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Earthworks</p> <p>POPANO SECONDARY SCHOOL</p>			
			R	

Brought Forward				R
<u>Extra over trench and hole excavations in earth for excavations in</u>				
5	Soft rock	m3	42	
6	Hard rock	m3	21	
<u>Extra over back excavation in earth for working space for excavation in soft rock</u>				
7	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	93	
<u>Extra over back excavation in earth for working space for excavation in hard rock</u>				
8	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	46	
<u>Extra over all excavations for carting away</u>				
9	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	759	
<u>Risk of collapse of excavations</u>				
10	Sides of trench and hole excavations not exceeding 1,5m deep	m2	926	
<u>Keeping excavations free of water</u>				
11	Keeping excavations free of all water by hand, or mechanical means for all buildings		Item	
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density</u>				
12	Below floors etc	m3	187	
13	Backfilling to trenches, holes, etc	m3	169	
<u>Earth filling of G5 material supplied by the contractor compacted to 98% Mod. AASHTO density (or as stipulated by the Engineer)</u>				
14	To trenches, holes, etc	m3	57	
Carried Forward				R
Bill No. 1 Earthworks				
POPANO SECONDARY SCHOOL				

Brought Forward			R
15	Under floors, etc	m3	188
	<u>Earth filling of G7 material supplied by the contractor compacted to 95% Mod. AASHTO density (or as stipulated by the Engineer)</u>		
16	To trenches, holes, etc	m3	57
17	Under floors, etc	m3	185
	<u>Coarse river sand filling supplied by the contractor</u>		
18	Under floors etc	m3	62
	<u>Compaction of surfaces</u>		
19	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASTHO density (or as stipulated by the Engineer)	m2	1,244
20	Compaction of bottom of trenches, bases etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASTHO density (or as stipulated by the Engineer)	m2	379
	<u>Prescribed density tests on filling</u>		
21	Modified AASHTO Density test	No	30
	<u>SOIL POISONING</u>		
	<u>Soil poisoning</u>		
22	Soil insecticide under floors, paving, etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	1,244
23	Soil insecticide to bottoms of trenches, holes, etc	m2	1,305
Carried to Summary			R
Bill No. 1 Earthworks			
POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 3</u> <u>BILL NO. 2</u> <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Cost of tests The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the architect. (Test cubes are measured separately)</p> <p>Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p>			
	<p style="text-align: right;">Carried Forward</p> <p>Bill No. 2 Concrete, Formwork & Reinforcement</p> <p>POPANO SECONDARY SCHOOL</p>		R	

Brought Forward			R
Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described			
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15MPa/19mm concrete</u>			
1	Surface blinding under footings and bases	m3	19
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
2	Strip footings	m3	95
3	Surface beds, thickenings etc in waterproofing	m3	169
4	Walls, slabs etc	m3	9
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>			
5	Surface beds, slabs, etc	m2	1,244
<u>ROUGH FORMWORK</u>			
<u>Rough formwork to sides</u>			
6	Footings, bases etc	m2	211
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>			
Carried Forward			R
Bill No. 2 Concrete, Formwork & Reinforcement			
POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Rough formwork to sides</u>			
7	Walls	m2	83
8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	471
<u>Rough formwork to soffits</u>			
9	Slabs	m2	8
<u>MOVEMENT JOINTS ETC</u>			
<u>Expansion joints with softboard between vertical concrete and brick surfaces</u>			
10	10mm Joints not exceeding 300mm high along edges of surface beds	m	821
<u>Saw cut joints</u>			
11	3 x 40mm Saw cut joints in top of concrete	m	454
<u>TEST BLOCKS</u>			
12	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	30
<u>REINFORCEMENT</u>			
<u>Steel reinforcement to structural concrete work</u>			
13	Various diameter bars	t	11.46
<u>Fabric reinforcement</u>			
14	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	1,546
Carried to Summary			R
Bill No. 2			
Concrete, Formwork & Reinforcement			
POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<p><u>SECTION 3</u> <u>BILL NO. 3</u> <u>MASONRY</u> <u>(PROVISIONAL)</u></p> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Sizes in descriptions Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p>Bagged and sealed walls Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixal" bitumen emulsion waterproofing coating.</p> <p>Face bricks Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p>Pointing Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p>Samples Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site</p> <p><u>FOUNDATIONS</u></p>			
	<p style="text-align: right;">Carried Forward</p> <p>Bill No. 3 Masonry</p> <p>POPANO SECONDARY SCHOOL</p>		R	

Brought Forward			R
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar (or as stipulated by the Engineer)</u>			
1	One brick walls	m2	327
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
2	Brick Piers	m3	8
3	Half brick walls	m2	331
4	One brick walls	m2	1,249
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
5	75mm Wide reinforcement built in horizontally	m	1,632
6	150mm Wide reinforcement built in horizontally	m	7,816
<u>Prestressed fabricated lintels</u>			
7	110 x 70mm Lintels in lengths not exceeding 3m	m	207
<u>Turning pieces to lintels</u>			
8	230mm Wide turning pieces	m	207
<u>Galvanised hoop iron cramps, ties, etc</u>			
9	30 x 1,6mm Cramp 500mm long with one end fixed to wood and other end built into brickwork	No	65
10	4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber	No	497
<u>Air bricks etc</u>			
11	215 x 215mm Terracotta air bricks	No	139
<u>EXTRA OVER FOR FACE BRICKWORK</u>			
Carried Forward			R
Bill No. 3 Masonry			
POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>"Firelight Satin FBX" Face bricks (as per Architectural specifications) pointed with recessed horizontal and vertical joints</u>			
12	Extra over brickwork for face brickwork	m2	1,260
13	Extra over brickwork for brick-on-edge header courses, lintels etc	m	71
<u>"Platinum Satin FBX" Face bricks (as per Architectural specifications) pointed with recessed horizontal and vertical joints</u>			
14	Extra over brickwork for face brickwork	m2	106
15	Extra over brickwork for brick-on-edge header courses, lintels etc	m	147
16	Extra over brickwork for sills set sloping and slightly projecting	m	89
Carried to Summary			R
Bill No. 3 Masonry			
POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 4</u> <u>WATERPROOFING</u> <u>(PROVISIONAL)</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Waterproofing Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer 250 micron "Gunplas USB Green" polyethylene waterproofing sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>			
1	On compacted earth under concrete surface beds, lapped 150 mm and sealed at all joints	m2	1,298	
	<u>One layer 375 micron embossed "Gunplas Brikgrip" polyethylene damp proof course fixed with approved adhesive</u>			
2	On walls, stepped up in cavities, under cills, etc.	m2	334	
	<u>Prepare and apply "Sika Cemflex" acrylic based emulsion waterproofing system including "Cemflex Fabric"</u>			
3	On plastered walls	m2	6	
	Carried Forward			R
	Bill No. 4 Waterproofing POPANO SECONDARY SCHOOL			

Brought Forward				R
<u>JOINT SEALANTS ETC</u>				
<u>Approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>				
4	10 x 10mm In expansion joints in floors including raking out expansion joint filler as necessary	m	821	
<u>Approved polyurethane sealant flexothane 1 by ABE or similar approved, including backing cord, bond breaker, primer, etc</u>				
5	10 x 40mm In saw cut joints in floors including raking out joint filler as necessary	m	454	
Carried to Summary				R
Bill No. 4 Waterproofing				
POPANO SECONDARY SCHOOL				

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 5</u> <u>ROOF COVERINGS</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>PROFILED FIBRE-CEMENT SHEETING AND ACCESSORIES</u>			
	<u>Safintra 0.55mm thick 700mm cover Saflok 700 Rain Cloud Colorplus interlocking concealed fix roof covering, fixed to timber purlins at 2112mm centres and end span purlins at 1920mm centres by means of SL 700 Clip 21 clips secured to purlins in combination with a suitable class Safintra approved water head self-tapping fasteners, all in accordance with manufacturer's recommendations, as per architects design complete</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	1,638	
2	0.6mm Colomate finished galvanised metal ridge cap with ridge closers to manufacturer's specifications	m	257	
3	Eaves fillers	m	573	
4	Polyclosures to suit profile	m	573	
	<u>ROOF AND WALL LINING AND INSULATION</u>			
	<u>100mm non-combustible lightweight fibreglass insulation</u>			
5	Insulation laid taut over timber rafters, in accordance with manufacturer's specifications, all installed between the beams and laid loose on top of brandering etc, as per Architectural specifications	m2	1,638	
	Carried to Summary			R
	Bill No. 5 Roof Coverings			
	POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 6</u> <u>CARPENTRY AND JOINERY</u> <u>(PROVISIONAL)</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Fixing</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
	<u>ROOFS ETC</u>			
	<u>Design, fabrication, supply and installation of the Roof Structure Construction. The Timber Roof Construction Sub-Contractor shall provide all materials (such as nails, ties, trusses, rafters, bracing, painting of exposed timbers, purlins, etc), equipment, labour, services and Engineer's Certificate necessary for the complete and efficient operation of the Installation, all in strict accordance to the architect's approval</u>			
1	Roof area measured flat on plan	m2	1,365	
	<u>Sawn Softwood</u>			
2	38 x 114mm Wall plates	m	331	
	<u>SKIRTINGS</u>			
	Carried Forward			R
	Bill No. 6 Carpentry and Joinery			
	POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Wrought Meranti</u>			
3	100 x 18mm Skirting plugged, including quarter round timber	m	662
<u>DOORS ETC</u>			
<u>Semi-solid flush panel doors</u>			
4	D05 size 900 x 2032 x 40mm	No	1
5	D10 size 813 x 2032 x 40mm	No	5
<u>Solid flush panel doors with hardboard both sides and two concealed edges</u>			
6	D02 size 813 x 2032 x 40mm	No	21
7	D06 size 813 x 2032 x 40mm	No	3
<u>Supawood Doors with cladding to external faces, as per architectural specifications</u>			
8	D08 size 1500 x 1845 x 40mm	No	1
9	D09 size 1000 x 1845 x 40mm	No	2
<u>Wrought Meranti Doors</u>			
10	D01 size 813 x 2032 x 40mm	No	5
<u>FRAMED FRAMES ETC</u>			
<u>Hardwood Frames, stained as per Architectural specifications</u>			
11	76 x 44mm Frames suitable for D08	No	1
12	76 x 44mm Frames suitable for D09	No	2
13	86 x 52mm Frames suitable for D05	No	1
<u>JOINERY SUNDRIES</u>			
Carried Forward			R
Bill No. 6 Carpentry and Joinery			
POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Shelving, cupboards, fittings etc</u>			
NOTE: The following items have been measured as complete units i.e the components of the units have not been separately measured. The description therefore of such units shall be deemed to include all components, assembling, housing, notching, gluing, blocking, planting on and screwing with countersunk screws, edge strips, cut out for sinks, decorative plastic finish, glass, ironmongery, metalwork, wall mounting brackets, paint or varnish finishes, etc			
Tenderers must refer to the architect's Joinery drawings and referred to in the items in order to understand the full requirements and descriptions of the works			
14	Admin Block Principal's office shelving (approximate wall surface area 2800mm x 2100mm high) comprising 600mm wide shelves and base made of 20mm melamine or similar approved. All exposed edges of melamine to receive a 3mm thick white PVC impact edging. Shelving to be countersunk screwed to brackets from below. Brackets and support bands are epoxy coated, metal free standing units, bolted together with metal corner support posts etc with floor cupboards below (measured elsewhere) as per Architectural details and specifications	No	1
15	Media Library shelving (approximate wall surface area 21690mm x 2100mm high) comprising 600mm wide shelves and base made of 20mm melamine or similar approved. All exposed edges of melamine to receive a 3mm thick white PVC impact edging. Shelving to be countersunk screwed to brackets from below. Brackets and support bands are epoxy coated, metal free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings. All shelving to be adjustable. and as per Architectural details and specifications	No	1
16	Admin Block Principal's floor cupboard unit size 2800 x 600 x 900mm high with all external exposed surfaces to be wrapped in melamine. All cupboards to have locks installed, with 160mm aluminium barrel handles to doors and drawers with "Eezi-Quartz" or similar counter top, as per Architectural details and specifications	No	1
Carried Forward			R
Bill No. 6 Carpentry and Joinery			
POPANO SECONDARY SCHOOL			

Brought Forward			R
17	Admin Block Kitchen wall cupboard unit size 5440 x 600 x 600mm high with all external exposed surfaces to be wrapped in melamine. All cupboards to have locks installed, with 160mm aluminium barrel handles to doors and drawers with floor cupboard below, as per Architectural details and specifications	No	1
18	Admin Block Kitchen floor cupboard unit size 5440 x 600 x 900mm high with all external exposed surfaces to be wrapped in melamine. All cupboards to have locks installed, with 160mm aluminium barrel handles to doors and drawers with "Eezi-Quartz" counter top, as per Architectural details and specifications	No	1
19	Media Library reception cupboard unit size 5200 x 800 x 1100mm high with all external exposed surfaces to be wrapped in formica, including 100 x 22mm support clad in melamine to match all cupboards and to provide support for shelf. Floating shelf, front facing panels and internal carcasses are to be wrapped in white formica. All skirtings / plinths to be chipboard wrapped in formica. All cupboards to have locks installed, with 160mm aluminium barrel handles to doors and drawers with 32mm thick post formed worktop with 180 degrees bullnosed edges all wrapped in formica, including all aluminium trims etc complete, as per Architectural details and specifications	No	1
20	32mm Formica chipboard worktop with 100 x 22mm support clad in melamine to march cupboards, supports to be screwed against wall to provide support for serving counter top	m	5
<u>Benches, seating etc</u>			
<u>Laminted Saligna</u>			
21	Laminated saligna seats 500mm wide screwed to front of brackets and two 50 x 50 x 3mm angle iron brackets, fixed to wall with and including three M10 rawbolts each, as per Architectural details complete	m	1
Carried to Summary			R
Bill No. 6 Carpentry and Joinery			
POPANO SECONDARY SCHOOL			

Item No	Quantity	Rate	Amount
<p><u>SECTION 3</u> <u>BILL NO. 7</u> <u>CEILINGS, PARTITIONS & ACCESS</u> <u>FLOORING</u> <u>(PROVISIONAL)</u></p>			
<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same / similar dimensions as the ceiling grid described and allowance must be made accordingly for their support inclusive of any flexibility inseting out that may be required (ceiling panels / boards have not been deducted and pricing is to take cognisance thereof)</p>			
<p><u>NAILED UP CEILINGS</u></p>			
<p><u>6.4mm "Rhino board" or similar approved ceiling board fixed to brandering with PVC cover strips over joints with all nail or screw heads stopped and sanded level, all in strict accordance with manufacturer's instructions, including skimming to receive paintwork (elsewhere measured)</u></p>			
1	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres in one direction only to trusses (elsewhere measured), as per manufacturers specifications	m2	945
2	Extra over ceiling for 600 x 600mm trap door of 38 x 76mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	23
<p style="text-align: right;">Carried Forward</p>			R
<p>Bill No. 7 Ceilings, Access Flooring etc</p>			
<p>POPANO SECONDARY SCHOOL</p>			

Brought Forward			R
<u>"Rhino" or similar approved Moulded Gypsum Cornices</u>			
3	75mm Coved cornice	m	780
<u>CEILING INSULATION</u>			
<u>Thermal insulation</u>			
4	Average 100mm thick flexible stonewool thermal insulation closely fitted and laid on top of ceilings including cutting and fitting around roof timbers	m2	945
Carried to Summary			R
Bill No. 7 Ceilings, Access Flooring etc			
POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 8</u> <u>FLOOR COVERINGS</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Fixing</u> Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc			
	<u>FLOOR COVERINGS</u>			
	<u>Carpet tiles including felt underlay, laid as per manufacturer's recommendations on 30mm screed (elsewhere measured)</u>			
1	On Floors	m2	30	
	<u>Non-slip resilient vinyl tile floor covering (Polyflor XL 2mm thick fully flexible PVC sheet flooring laid as per manufacturer's recommendations on 30mm screed (elsewhere measured).</u>			
2	On floors	m2	854	
	<u>POLISH, SEALERS, ETC</u>			
	<u>Polish on vinyl flooring</u>			
3	Two coats of approved polish on vinyl flooring	m2	854	
	Carried to Summary			R
	Bill No. 8 Floor Coverings			
	POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 9</u> <u>IRONMONGERY</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded			
	<u>HINGES, BOLTS, ETC</u>			
	<u>"Union" or equal and approved</u>			
1	Code: 096/76 - S/S 4 B/B Hinge	Pairs	64	
2	100mm Pad bolt	No	11	
	<u>LOCKS, CATCHES, CABIN HOOKS, ETC</u>			
	<u>"Union" or equal and approved</u>			
3	30mm Padlock	No	11	
4	Code: 170/83 - Bath/WC Indicator Bolt M170	No	5	
	Carried Forward			R
	Bill No. 9 Ironmongery POPANO SECONDARY SCHOOL			

	Brought Forward		R
5	Code: 56786 - Mortice Door Bolt with key SS	No	5
6	Code: 642/35 - PROF Cylinder Deadlock SS	No	6
7	Code: 66s1/32 - S/S Adjustable Roller Latch	No	1
8	Code: 730/68 - 76mm Profile arch sash lock S/S	No	46
9	Code: 742/68 - 76mm Profile Cylinder deadlock S/S	No	8
10	Code: 880-66/78 - 5 Pin NP Double Cylinder 66mm 3K N.PL	No	46
11	Code: 892-66/78 - 5 Pin NP Single Cylinder 3K N.PL	No	5
12	Code: 106-150/76 – Cabin hook 150mm POL S/S	No	12
13	Code: 120/150 - S/Chrome Flush bolt 150x20mm	No	8
14	Code: ED908/CYL – Profile cylinder escutcheon S/SS	No	6
15	Code: GZZW4405 - Narrow style cylinder escutcheon SS	No	6
<u>HANDLES</u>			
<u>"Union" or equal and approved</u>			
16	Code: 295/01 295/01 – Helping hand L/H or R/H	No	6
17	Code: 075/160/BT – 111x19 on 160x160 BPL SS	No	10
18	Code: EDE/101C - Daytona 19mm 165x165x1.5 / PL.CYL	No	46
19	Code: JBS209OS/350 BTB - S.S O/SET 375x350x25mm	No	12
20	Code: JD213/305 BT - S.S P/HAND 330x305x25mm	No	6
<u>DOOR CLOSERS</u>			
Carried Forward			
Bill No. 9			
Ironmongery			
POPANO SECONDARY SCHOOL			
R			

Brought Forward			R
<u>"Union" or equal and approved</u>			
21	Code: AZ2001SR - TS2000VP Door Closer with P/Arm bracket	No	7
<u>GRAB RAILS</u>			
<u>"Railman" or equal and approved</u>			
22	Grab rails Ref DL2 Dogleg grab rail with 2 flanges. 304 high quality stainless steel 32mm o/d, finish satin polished. 80mm o/d flanges drilled and countersunk with 3 fixed screws	No	3
23	Grab rails Ref SR2 750mm x 206mm straight grab rail position. 304 high quality stainless steel 32mm o/d, finish satin polished. 80mm o/d flanges drilled and countersunk with 3 fixed screws	No	3
<u>LETTERS, NAMEPLATES, ETC</u>			
<u>"Union" or equal and approved</u>			
24	Code: 079/160E/M - S/ST P/PL 160x160x1.2mm E/MALE	No	1
25	Code: 079/160E/F - S/ST P/PL 160x160x1.2mm E/FEM	No	1
26	Code: 079/160E/P - S/ST P/PL 160x160x1.2mm E/PAR	No	1
<u>150/300/450 x 70mm high with 30mm lettering (helvetica medium) with black writing on white perspex, to be fixed on doors at 1.6mm high, etc, all as per architect's signage schedule, specifications and by approved supplier</u>			
27	Sign with five numerals or letters (SICK 1)	No	1
28	Sign with five numerals or letters (SICK 2)	No	1
29	Sign with six numerals or letters (OFFICE)	No	1
30	Sign with seven numerals or letters (KITCHEN)	No	1
31	Sign with nine numerals or letters (PRINCIPAL)	No	1
Carried Forward			R
Bill No. 9 Ironmongery			
POPANO SECONDARY SCHOOL			

Brought Forward			R
32	Sign with nine numerals or letters (PRINT ROOM)	No	1
33	Sign with nine numerals or letters (STAFF ROOM)	No	1
34	Sign with ten numerals or letters (STORE ROOM 1)	No	1
35	Sign with fourteen numerals or letters (VICE PRINCIPAL 1)	No	1
36	Sign with fourteen numerals or letters (VICE PRINCIPAL 2)	No	1
	<u>150/300/450 x 70mm high with 30mm lettering (helvetica medium) with black writing on white perspex, to be fixed on wall at 2.2mm high, etc, all as per architect's signage schedule, specifications and by approved supplier</u>		
37	Sign with nine numerals or letters (RECEPTION)	No	1
	<u>6mm Steel plate cut letters welded to 3 No. 10mm diameter mild steel rods fixed to wall. Lettering to be Helvetica Bold capital letters to be 300mm high. Rods to project through wall and thread cut at end and bolted on inside of wall including tubular spacers between letters and wall to ensure 15mm space between lettering and wall. Apply one coat zinc-chromate primer, one coat universal undercoat and two coats gloss enamel (colour to be determined by Architect) fixed to walls as per Architects specifications and approval</u>		
38	Sign with thirteen numerals or letters (ADMIN BUILDING)	No	1
	<u>BATHROOM FITTINGS</u>		
	<u>Franke or equal approved</u>		
39	TR2 Stainless Steel wall mounted lockable double toilet roll holder size 281 x 126 x 136mm	No	5
	<u>SUNDRIES</u>		
	<u>"Union" or equal and approved</u>		
40	Code: 056/76 - BR/SC Ring flush pull ring 65 X 50mm	No	4
Carried Forward			R
Bill No. 9 Ironmongery			
POPANO SECONDARY SCHOOL			

	Brought Forward			R
41	Code: 140/69 - S/Steel floor mount doorstop	No	10	
42	Code: 140/83 - Door stop floor mounted M140 SACR	No	48	
43	Code: 154/69 - S/S Hat and coat hook with rubber buffer	No	14	
44	Code: GZZWDUSTK – Dust keep	No	3	
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>				
<u>"Parrot" or equal and approved</u>				
45	Pinning board size 3000 x 1200mm high including aluminium frame	No	4	
<u>"Newline" or equal and approved</u>				
46	75-85" Smart Interactive touch screen, with at least 3840 x 2160mm resolution, built in 4K voice tracking camera, speaker and microphone array including wireless projecting dongle etc as per the Architectural specifications based on DOE directive	No	2	
<u>STATIONERY CUPBOARDS</u>				
<u>Steel stationery cupboards</u>				
47	900 x 450 x 1800mm High heavy duty steel cupboard, "hammertone grey" in colour, with adjustable shelving	No	6	
<u>SHELVING</u>				
NOTE: The following items have been measured as complete units i.e the components of the units have not been separately measured. The description therefore of such units shall be deemed to include all components, assembling, housing, notching, gluing, blocking, planting on and screwing with countersunk screws, edge strips, cut out for sinks, decorative plastic finish, glass, ironmongery, metalwork, wall mounting brackets, paint or varnish finishes, etc				
Tenderers must refer to the architect's Joinery drawings and referred to in the items in order to understand the full requirements and descriptions of the works				
Carried Forward				R
Bill No. 9 Ironmongery				
POPANO SECONDARY SCHOOL				

Brought Forward			R
48	Admin Storeroom shelving (approximate wall surface area 9160mm x 2100mm high) comprising epoxy powder coated metal adjustable shelving free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings and as per Architectural details and specifications	No	1
49	Admin Strong Room shelving (approximate wall surface area 5600mm x 2100mm high) comprising epoxy powder coated metal adjustable shelving free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings and as per Architectural details and specifications	No	1
50	Admin Print Room shelving (approximate wall surface area 4800mm x 2100mm high) comprising epoxy powder coated metal adjustable shelving free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings and as per Architectural details and specifications	No	1
51	Media Storeroom 1 & 2 shelving (approximate wall surface area 10380mm x 2100mm high) comprising epoxy powder coated metal adjustable shelving free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings and as per Architectural details and specifications	No	2
52	Media Storeroom 3 & 4 shelving (approximate wall surface area 6446mm x 2100mm high) comprising epoxy powder coated metal adjustable shelving free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings and as per Architectural details and specifications	No	2
Carried Forward			R
Bill No. 9 Ironmongery			
POPANO SECONDARY SCHOOL			

Brought Forward				R
53	Dining & Nutrition Veg Store shelving (approximate wall surface area 4245mm x 2100mm high) comprising epoxy powder coated metal adjustable shelving free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings and as per Architectural details and specifications	No	1	
54	Dining & Nutrition Dry Bulk Store shelving (approximate wall surface area 4490mm x 2100mm high) comprising epoxy powder coated metal adjustable shelving free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings and as per Architectural details and specifications	No	1	
55	Dining & Nutrition Day Store shelving (approximate wall surface area 3243mm x 2100mm high) comprising epoxy powder coated metal adjustable shelving free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings and as per Architectural details and specifications	No	1	
56	Dining & Nutrition Day Store shelving (approximate wall surface area 1500mm x 2100mm high) comprising epoxy powder coated metal adjustable shelving free standing units, bolted together with metal corner support posts, with feet fitted with PVC corners, to protect floor coverings and as per Architectural details and specifications	No	1	
Carried Forward				R
Bill No. 9 Ironmongery				
POPANO SECONDARY SCHOOL				

Brought Forward			R
<u>KITCHEN CUPBOARDS</u>			
NOTE: The following fittings have been measured as complete units i.e the components of the units have not been separately measured. The description therefore of such units shall be deemed to include all components, assembling, housing, notching, gluing, blocking, planting on and screwing with countersunk screws, edge strips, cut out for sinks, decorative plastic finish, glass, ironmongery, metalwork, wall mounting brackets, paint or varnish finishes, etc			
Tenderers must refer to the architect's Joinery drawings and referred to in the items in order to understand the full requirements and descriptions of the works			
<u>Steel kitchen cupboards with baked enamel finish plugged</u>			
57	Floor unit 1500 x 650 x 900mm high stainless steel table and worktop formed of 304 stainless steel 1.2mm thick with a 50 x 10mm turn down all the way around. The underside is to be sprayed with vermin proof bitumastic sound deadening, square legs to provide support. Stainless steel under shelf to be supplied to all tables, as per Architectural specifications	No	2
58	Floor unit 1850 x 650 x 900mm high stainless steel table and worktop formed of 304 stainless steel 1.2mm thick with a 50 x 10mm turn down all the way around. The underside is to be sprayed with vermin proof bitumastic sound deadening, square legs to provide support. Stainless steel under shelf to be supplied to all tables, as per Architectural specifications	No	5
59	Sink unit 1500 x 650 x 900mm high stainless steel table and worktop formed of 304 stainless steel 1.2mm thick with a 50 x 10mm turn down all the way around. The underside is to be sprayed with vermin proof bitumastic sound deadening, square legs to provide support. Stainless steel under shelf to be supplied to all tables, with stainless steel WHB to be built in seamlessly into table and to be supplied with all necessary plumbing fixtures, as per Architectural specifications	No	2
Carried Forward			R
Bill No. 9 Ironmongery			
POPANO SECONDARY SCHOOL			

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Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 10</u> <u>METALWORK</u> <u>(PROVISIONAL)</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions</u>			
	<p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p>			
	<u>SUNDRY GALVANIZED STEELWORK</u>			
	<u>Steel posts</u>			
1	60 x 60 x 3mm SHS steel posts 2505mm high bolted onto galvanised metal plates fixed to columns, beams, timber, brickwork etc including all necessary fixings, etc complete	No	6	
2	200 x 100 x 8mm Base Plate with 2 holes to cater for, and including M16 chemical anchors	No	6	
3	150 x 100 x 5mm Cap plate with 4 holes to cater for and including M12 bolts, including all nuts, washers etc	No	12	
4	150 x 80 x 5mm Cap plate with 4 holes to cater for and including M12 bolts, including all nuts, washers etc	No	6	
	Carried Forward			
	Bill No. 10 Metalwork		R	
	POPANO SECONDARY SCHOOL			

Brought Forward			R
5	20mm Thick non-shrink grout below base plates, including chamfered edges etc	m3	1
<u>MILD STEEL DOORS, FRAMES ETC</u>			
<u>1.2mm Double rebated frames including all sealing etc as per Architectural specifications</u>			
6	Frame for single door type D01, size 813 x 2032 mm high	No	5
7	Frame for single door type D02, size 813 x 2032 mm high	No	21
8	Frame for double door type D03, size 1524 x 2032 mm high	No	6
9	Frame for single door type D06, size 813 x 2032 mm high	No	3
10	Frame for single door type D10, size 813 x 2032 mm high	No	5
<u>Metal gates</u>			
11	Gate G01 overall size 925 x 2032mm high gate with 50 x 50mm mild steel square frame and 10 x 10mm mild steel bars placed at 100mm centres at 45 degree angles, hung with two pair of galvanised mild steel hinges including locks, handles, ironmongery complete	No	7
12	Gate G02 overall size 1630 x 2032mm high gate with 50 x 50mm mild steel square frame and 10 x 10mm mild steel bars placed at 100mm centres at 45 degree angles, hung with two pair of galvanised mild steel hinges including locks, handles, ironmongery complete	No	2
13	Gate G03 overall size 1280 x 1550mm high gate with 50 x 50mm mild steel square frame and 10 x 10mm mild steel bars placed at 100mm centres at 45 degree angles, hung with two pair of galvanised mild steel hinges including locks, handles, ironmongery complete	No	1
Carried Forward			R
Bill No. 10 Metalwork			
POPANO SECONDARY SCHOOL			

Brought Forward			R
14	Gate G04 overall size 900 x 1610mm high gate with 50 x 50mm mild steel square frame and 10 x 10mm mild steel bars placed at 100mm centres at 45 degree angles, hung with two pair of galvanised mild steel hinges including locks, handles, ironmongery complete	No	1
	<u>Standard Steel "Cottage Pane French" doors as per Architectural specifications</u>		
15	D03 size 1524 x 2032mm high	No	6
	<u>Steel Doors, including sealing all round</u>		
16	D07 size 1511 x 2032mm high, including rolled steel sectioned frames to match	No	1
	<u>MILD STEEL WINDOWS, LOUVRES, DOORS, ETC.</u>		
	<u>Standard Steel "School Type" metal windows as per Architectural specifications</u>		
17	Window W01 size 1022 x 1245mm high	No	10
18	Window W02 size 1022 x 949mm high	No	7
19	Window W04 size 533 x 654mm high	No	7
20	Window W05 size 889 x 1248mm high	No	10
21	Window W06 size 889 x 854mm high	No	32
22	Window W07 size 889 x 457mm high	No	1
23	Window W08 size 1500 x 1250mm high	No	16
24	Window W09 size 900 x 850mm high	No	10
	<u>Burglar bars (as per Architectural specifications) made to standard "School Type" pattern to be welded at all intersections and against window frames to be fixed sections at inside of classroom and bent 75mm (or as approved) away from glass, fitted over entire window</u>		
25	To fit window type W01, size 1022 x 1245mm high	No	10
Carried Forward			R
Bill No. 10 Metalwork			
POPANO SECONDARY SCHOOL			

Brought Forward			R
26	To fit window type W02, size 1022 x 949mm high	No	7
27	To fit window type W04, size 533 x 654mm high	No	7
28	To fit window type W05, size 889 x 1248mm high	No	10
29	To fit window type W06, size 889 x 854mm high	No	32
30	To fit window type W07, size 889 x 457mm high	No	1
31	To fit window type W08, size 1500 x 1250mm high	No	16
32	To fit window type W09, size 900 x 850mm high	No	10
<u>STEEL STRONGROOM DOORS, VENTILATORS, ETC</u>			
<u>"Austen Safe Cat. 1 Built Pro" or other approved Strongroom doors etc suitable for 220mm walls fixed to brickwork or concrete, complete</u>			
33	D04 Strong room door 900 x 2032 mm high	No	1
<u>STEEL ROLLER SHUTTERS ETC</u>			
<u>Aluminium roller shutters fixed to brickwork or concrete</u>			
34	Manual push-up slatted roller shutter for 1200 x 905mm high opening	No	1
35	Manual push-up slatted roller shutter for 3000 x 905mm high opening	No	1
<u>EAVES, VERGES, ETC</u>			
<u>Aluminium or similar approved fascia / barge boards</u>			
36	Aluminium barge boards including jointing strips etc if required, as per Architectural specifications	m	573
Carried to Summary			R
Bill No. 10 Metalwork			
POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 11</u> <u>PLASTERING</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>PLASTERING</u>			
	<u>SCREEDS</u>			
	<u>Screeds wood floated on concrete</u>			
1	30mm Thick on floors and landings	m2	1,212	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork</u>			
2	On walls	m2	2,060	
3	On narrow widths	m2	94	
	<u>Cement plaster rendering coat with 6mm cretestone gypsum skim plaster finishing coat, on concrete</u>			
4	On ceilings	m2	8	
	Carried to Summary			
	Bill No. 11			
	Plastering			
	POPANO SECONDARY SCHOOL			

R

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Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 13</u> <u>PLUMBING AND DRAINAGE</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Watertite" or similar approved aluminium</u>			
1	155 x 100 x 115mm Ogee eaves gutters	m	256	
2	Extra over 155 x 100 x 115mm Ogee eaves gutter for stopped end	No	22	
3	Extra over 155 x 100 x 115mm Ogee eaves gutter for outlet for 100 x 75mm pipe	No	17	
4	100 x 75mm Rainwater pipes	m	68	
5	Extra over 100 x 75mm rainwater pipe for bend	No	34	
6	Extra over 100 x 75mm rainwater pipe for shoe	No	17	
	<u>SANITARY FITTINGS</u>			
	<u>STAINLESS STEEL - Franke or other approved</u>			
7	One piece drop in sink 0.9mm stainless steel, tap hole, mild steel gallow brackets and legs	No	1	
8	Franke LDL double compartment wash trough size 1200x500x257mm deep fixed to wall on a pair of falcon brackets	No	1	
	Carried Forward			
	Bill No. 13 Plumbing & Drainage		R	
	POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>"Vaal" or equal Approved</u>			
9	White 90 vitreous china pan with white heavy duty single plastic flap seat, including 9 litre low level white vitreous china cistern with valve fittings and matching flush pipes etc complete	No	5
10	Paraplegic back inlet 90 degree wall hung open rim wash-down pan and matching 9 litre cistern complete with lid, fitments, and purpose made c.p. side-flush lever (left or right) Supplied with purpose made urea seat and cover plate.	No	1
11	Vaal Hibiscus size 510 x405mm wash hand basin fixed to wall on pair of basin fixations with one tap hole punched out, 31mm chromium plated outlet, with plug, chain and anchor and 32mm back nut complete	No	6
12	White vitreous china wall urinal 610 x 385 washdown wall urinal with wall hangers, strainer waste, top inlet spreader adn chrome plated flush pipes with 4.5 litre cistern with back inlet and PC push button	No	2
<u>WASTES UNIONS ETC</u>			
<u>"Cobra Watertech"</u>			
13	32mm 301CP slotted basin waste union	No	6
14	40mm 316CP unslotted bath or sink waste union	No	4
<u>TRAPS ETC</u>			
<u>"Flexitrap" flexible rubber traps, etc</u>			
15	50mm Deep seal "P" or "S" sink trap	No	4
<u>"Cobra Watertech"</u>			
16	32mm 345/50CP deep seal bottle trap with outlet for 50mm PVC	No	6
17	40mm 345/50CP deep seal bottle trap with outlet for 50mm PVC	No	2
Carried Forward			R
Bill No. 13 Plumbing & Drainage			
POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>TAPS, VALVES, ETC</u>			
<u>Taps, valves, etc and joints to copper pipes including all necessary adaptors, etc</u>			
<u>"Cobra Watertech"</u>			
18	15mm 232/350CP angle regulating valve with 350mm long bendable service pipe	No	11
19	15mm 832/350FCP ball type angle valve with 350mm long with 350mm long flexible hose connector	No	7
20	15mm ballovalve type valve	No	7
21	22mm 1003/125RB fullway gate valve	No	7
22	35mm Ballostop	No	7
23	50mm Ballostop	No	7
24	15mm 3294STCP 'Stella' one hole basin mixer with cast fixed spout, plug, chain, stay, mounting kit and 400mm long flexible connection tubes	No	6
25	15mm 3396STCP 'Stella' one hole sink mixer with overarm swivel outlet, mounting kit and 400mm long flexible connection tubes	No	5
26	15mm Underwall stopcock	No	7
27	15 mm Brass hose tap	No	2
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
28	25mm Pipes	m	38
29	50mm Pipes	m	57
30	50mm Pipes chased in	m	19
31	110mm Pipes	m	38
32	110mm Pipes chased in	m	10
Carried Forward			R
Bill No. 13 Plumbing & Drainage			
POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Extra on UPVC piping for the following fittings:</u>			
33	25mm fittings	No 38	
34	50mm Bend	No 29	
35	110mm Bend	No 19	
36	50mm access bend	No 12	
37	110mm access bend	No 8	
38	50mm Junction	No 7	
39	110mm Junction	No 5	
40	50mm access junction	No 7	
41	110mm access junction	No 5	
42	110mm reducing junction	No 5	
43	110mm pan connector	No 7	
44	110mm bent pan connector	No 7	
45	110mm IE pipe	No 4	
46	50mm "Two-way" vent valve	No 5	
47	110mm "Two-way" vent valve	No 4	
48	110mm rodding eye	No 4	
<u>Sundries</u>			
49	Testing waste pipe system	Item	
<u>WATER SUPPLIES</u>			
<u>DOMESTIC AND FIRE</u>			
Carried Forward			R
Bill No. 13 Plumbing & Drainage			
POPANO SECONDARY SCHOOL			

Brought Forward				R
<u>Class 0 copper pipes</u>				
50	15mm Pipes	m	1	
51	15mm Pipes chased in to brick walls	m	1	
52	22mm Pipes	m	1	
53	22mm Pipes chased in to brick walls	m	1	
54	28mm Pipes	m	1	
55	35mm Pipes	m	1	
56	42mm Pipes	m	1	
<u>Extra over class 0 copper pipes for capillary fittings</u>				
57	15mm fittings	No	1	
58	22mm fittings	No	1	
59	28mm fittings	No	1	
60	35mm reducer	No	1	
61	42mm reducer	No	1	
62	35mm elbow	No	1	
63	42mm elbow	No	1	
64	35mm tee	No	1	
65	42mm tee	No	1	
66	35mm reducing tee	No	1	
67	42mm reducing tee	No	1	
68	35mm copper to iron coupler	No	1	
69	42mm copper to iron coupler	No	1	
Carried Forward				R
Bill No. 13 Plumbing & Drainage				
POPANO SECONDARY SCHOOL				

Brought Forward			R
70	42mm copper to iron elbow	No	1
71	32mm copper to iron elbow	No	1
72	54 mm Elbow	No	1
73	54 mm Male iron elbow	No	1
<u>Extra over class 0 copper pipes for brass compression fittings</u>			
74	15mm fitting	No	1
75	22mm fittings	No	1
76	28mm fittings	No	1
77	35mm copper to iron coupler	No	1
78	42mm copper to iron coupler	No	1
<u>TESTING</u>			
79	Allow for testing the whole of the hot and cold water supply to the satisfaction of the architect and Local authority. All defective work to removed and made good at the contractors expense and the whole re tested until found satisfactory.		Item
Carried to Summary			R
Bill No. 13 Plumbing & Drainage			
POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 14</u> <u>GLAZING</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>4mm Thick toughened safety glass</u>			
1	Panes exceeding 0.1m2 and not exceeding 0.5m2	m2	3	
2	Panes exceeding 0,5m2 and not exceeding 2m2	m2	93	
3	Panes exceeding 3m2 and not exceeding 3.5m2	m2	19	
	<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>			
	<u>Franke 1.5mm 18/10 stainless steel mirror M500 with a reflective polished surface and concealed thief resistant fixings</u>			
4	Mirror 450 x 900mm high	No	9	
	Carried to Summary			R
	Bill No. 14 Glazing			
	POPANO SECONDARY SCHOOL			

Item No		Quantity	Rate	Amount
	<u>SECTION 3</u> <u>BILL NO. 15</u> <u>PAINTWORK</u> <u>(PROVISIONAL)</u>			
	NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	All paintwork in this contract shall, unless otherwise described, be executed using the "Plascon / Dulux" range of products, as per Architectural Specifications			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>ON FLOATED PLASTER</u>			
	<u>One coat primer and two coats acrylic paint (as per architectural specifications)</u>			
1	On internal walls	m2	2,189	
2	On ceilings and beams	m2	8	
	<u>ON PLASTER BOARD</u>			
	<u>One coat primer and two coats acrylic paint (as per architectural specifications)</u>			
3	On ceilings and cornices	m2	945	
	<u>ON METAL</u>			
	Carried Forward			R
	Bill No. 15 Paintwork POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Prepare and apply one coat primer, one universal undercoat and two coats enamel paint (as per Architectural specifications)</u>			
4	On windows, doors, gates etc	m2	246
5	On backs of door frames	m2	45
6	On steel posts not exceeding 300mm girth	m	15
<u>ON WOOD</u>			
<u>Three coats superior quality clear varnish, including all sealants</u>			
7	On doors, frames etc	m2	112
8	Skirtings, rails, etc not exceeding 300mm girth	m	662
<u>ON FLOORS</u>			
<u>Epoxy finish to floors</u>			
9	Epoxy coating, as per Architectural specifications, applied in accordance with Manufacturers instructions	m2	70
Carried to Summary			R
Bill No. 15 Paintwork			
POPANO SECONDARY SCHOOL			

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SECTION 4

EXTERNAL WORKS

Item No		Quantity	Rate	Amount
	<u>SECTION 4</u> <u>BILL NO. 1</u> <u>EXTERNAL WORKS</u> <u>(PROVISIONAL)</u> <p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <u>EXTERNAL WORKS</u> <u>SITE CLEARANCE ETC</u> <u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc including the general cleaning of all sanded areas etc to prevent corrosion	m2	2,500	
	<u>TEMPORARY BARRIERS, SCREENS ETC</u> <u>Temporary barriers, screens etc, including removal</u>			
2	Dust screen minimum 1800mm high formed of suitable timber or steel framing with 375 micron polyethylene sheeting or equally approved material, fixed onto one side, including corners, ends, etc including the removal of such upon completion of the works	m	586	
	<u>REMEDIAL WORK TO EXISTING STRUCTURES</u>			
	Carried Forward		R	
	Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS POPANO SECONDARY SCHOOL			

Brought Forward				R
<u>Existing V Drains</u>				
3	Ream out the top 15mm of joints in surface beds, slabs etc, remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, install an approved UV resistant polysulphide sealant ensuring that the sealant fills deep into the opening. Brush the surface smooth to match the texture of the existing surface allowing the sealant to cure, as per Engineering specifications and Manufacturer's instructions	m	446	
4	Groove open cracks in surface beds etc to form a "V" Notch. Remove all debris using a wire brush pr pressure washer if required. Clean and dry surface around the crack, Saw cut the "V" Grooves perpendicular to the crack length and epoxy R8 bars in grooves at 250mm centres over the crack length. Fill with approved cementitious non shrink grout or structural mortar mix using mesh reinforcement Ref 100. Brush the surface smooth allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	89	
<u>Existing walkways / stairs / concrete surfaces etc</u>				
5	Groove open cracks in surface beds, slabs etc to form a "V" Groove. Remove all debris using a wire brush pr pressure washer if required. Clean and dry surface around the crack, Repair / stitch using an approved cementitious non shrink grout or structural mortar mix, ensuring that the grout fills deep into the crack. Brush the surface smooth to match the texture of the existing surface allowing the grout / mortar to cure, as per Engineering specifications and Manufacturer's instructions	m	157	
6	Ream out the top 15mm of joints in surface beds, slabs etc, remove all debris using a wire brush or pressure washer if required. Clean and dry surface around the crack, install an approved UV resistant polysulphide sealant ensuring that the sealant fills deep into the opening. Brush the surface smooth to match the texture of the existing surface allowing the sealant to cure, as per Engineering specifications and Manufacturer's instructions	m	31	
Carried Forward				R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS POPANO SECONDARY SCHOOL				

Brought Forward			R
<u>Existing walkways</u>			
7	<u>Hacking up / off and removing screeds from concrete and preparing surfaces for new screed</u>	m2	139
8	Preparing external floor surfaces to create a sound, level surface in accordance with SANS (As per Architectural specifications) to receive new screed surfacing (elsewhere measured)	m2	139
9	30mm Thick screeds, steel trowelled on concrete floors etc	m2	139
10	Prepare all surfaces of walkway steel structural components by removing coatings, flaking paint, grease, dirt etc and sand through to provide a uniform surface. Brush down to remove dust and wipe clean in preparation for and apply rust inhibiting primer and paint, as per Architectural and Engineering specifications (measured flat on plan)	m2	200
11	Cleaning of all structural posts to walkway structure, overall height approximately 2500mm high complete with sugar soap or a similar approved method, strip off existing paint where required, sand down, prime all bare surfaces and apply two coats of Plascon or similar approved paint to all structural components (As per Architectural specifications)	No	30
<u>SURFACE DRAINAGE</u>			
<u>CONCRETE STORMWATER CHANNELS ETC</u>			
12	<u>Breaking up and removing mass concrete V Drains etc average 120mm thick and 1000mm wide</u>	m	544
13	600mm wide V drain surface channel, aprons etc, cast in panels to falls not exceeding 2m long, with 10mm softboard joint material between panels and abutting walls, raked out 20mm deep and sealed with grey polysulphide sealant including all angles, intersections, mitres etc, as per Engineering specifications	m	787
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS POPANO SECONDARY SCHOOL			

	Brought Forward			R
14	1000mm wide V drain surface channel, aprons etc, cast in panels to falls not exceeding 2m long, with 10mm softboard joint material between panels and abutting walls, raked out 20mm deep and sealed with grey polysulphide sealant including all angles, intersections, mitres etc, as per Engineering specifications	m	159	
	<u>SUNDRIES</u>			
15	Allow for filling and the creation of an earth berm where scouring at walkways etc, including all grassing etc (As per Engineering specifications)	m	60	
	<u>CONCRETE WALKWAYS, APRONS, RAMPS, STAIRS ETC</u>			
	<u>Hack up and remove</u>			
16	Mass concrete to ramps, walkways, stairs etc	m3	41	
	<u>Excavation in earth not exceeding 2m deep</u>			
17	Reduced levels under surface beds, ramps, stairs etc	m3	230	
	<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod AASHTO density</u>			
18	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	218	
	<u>Extra over trench and hole excavations in earth for excavations in (provisional)</u>			
19	Soft rock	m3	23	
20	Hard rock	m3	12	
	<u>Extra over back excavation in earth for working space for excavation in soft rock</u>			
21	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	22	
	Carried Forward			R
	Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Extra over back excavation in earth for working space for excavation in hard rock</u>			
22	Not exceeding 1.5m deep for placing and removing formwork to walls etc against excavated face	m2	11
<u>Extra over all excavations for carting away</u>			
23	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	230
<u>Risk of collapse of excavations</u>			
24	Sides of trench and hole excavations not exceeding 1,5m deep	m2	218
<u>Keeping excavations free of water</u>			
25	Keeping excavations free of all water by hand, or mechanical means	Item	
<u>Compaction of surfaces</u>			
26	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 97% Mod AASTHO density (or as stipulated by the Engineer)	m2	658
<u>Soil poisoning</u>			
27	Soil insecticide under floors, paving, etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	658
<u>Prescribed density tests on filling</u>			
28	Modified AASHTO density tests	No	20
<u>25MPa/19mm concrete</u>			
29	Surface beds, ramps, stairs etc, cast in panels on waterproofing	m3	72
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Test Blocks</u>			
30	Making and testing set of three 150 x 150 x 150mm concrete strength test cubes	No	20
<u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u>			
31	Surface beds, slabs, stairs etc	m2	658
<u>Rough formwork to sides</u>			
32	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	311
<u>Isolation joints with 10mm "Sondor Jointex" or equal approved polyethylene joint former between vertical concrete and brick surfaces</u>			
33	10mm Joints not exceeding 300mm high	m	311
<u>Saw cut joints</u>			
34	10 x 20mm Saw cut joints in top of concrete	m	234
<u>Fabric reinforcement</u>			
35	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	658
<u>One layer 250 micron "Gunplas USB Green" polyethylene waterproofing sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>			
36	On compacted earth under concrete surface beds, lapped 150 mm and sealed at all joints	m2	658
<u>Approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer etc</u>			
37	10 x 10mm In isolation joints in floors or walls including raking out expansion joint filler as necessary	m	311
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
<u>Sikaflex 35SL or similar approved polyurethane sealing compound including backing cord, bond breaker, primer, etc</u>			
38	10 x 20mm In saw cut joints in floors including raking out joint filler as necessary	m	234
<u>Screeds steel trowelled on concrete</u>			
39	30mm Thick on floors, steps, landings etc	m2	658
<u>Safintra 0.55mm thick 700mm cover Saflok 700 Rain Cloud Colorplus interlocking concealed fix roof covering, fixed to timber purlins at 2112mm centres and end span purlins at 1920mm centres by means of SL 700 Clip 21 clips secured to purlins in combination with a suitable class Safintra approved water head self-tapping fasteners, all in accordance with manufacturer's recommendations, as per architects design complete</u>			
40	Roof covering with pitch not exceeding 25 degrees	m2	385
<u>Steel posts</u>			
41	70 x 70 x 3mm SHS steel posts average 2500mm high bolted onto galvanised metal plates, fixed to columns, beams, etc including all necessary fixings, etc complete, as per Engineering specifications	m	175
42	70 x 70 x 3mm SHS steel beams average 2100mm long fixed to posts, beams etc including all necessary fixings, etc complete, as per Engineering specifications	m	175
43	75 x 50 x 20 x 2mm CFLC purlins, including all fixings as per Engineering specifications	m	525
44	75 x 50 x 6mm purlin cleats, including all fixings, as per Engineering specifications	m	525
45	50 x 50 x 5mm horizontal bracing, including all gusset plates, necessary fixings, etc complete, as per Engineering specifications	m	385
Carried Forward			R
Bill No. 1 External Works SECTION 4 - EXTERNAL WORKS POPANO SECONDARY SCHOOL			

Brought Forward			R
46	200 x 80 x 8mm Base Plate with 2 holes to cater for, and including M16 chemical anchors	No	175
47	20mm Thick non-shrink grout below base plates, including chamfered edges etc	No	175
	<u>Prepare and apply one coat primer, one universal undercoat and two coats enamel paint (as per Architectural specifications)</u>		
48	On steel posts, beams etc not exceeding 300mm girth	m	2,433
	<u>BUDGETARY ALLOWANCES</u>		
49	Allow a budgetary allowance of R100,000.00 (One hundred thousand rands) for the inspection of the walkways including all remedial / replacement of the structural steel members, cleaning, isolating and repairing leaks, painting etc as per the instruction from the Principal Agent	Item	100,000.00
50	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for the inspection of the walkways to J&K including all remedial / replacement of the structural steel members, cleaning, isolating and repairing leaks, replacement of sheeting, painting etc as per the instruction from the Principal Agent	Item	50,000.00
51	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for the inspection of the existing retaining walls including all remedial works / construction of new where required as per the instruction from the Principal Agent	Item	50,000.00
52	Allow a budgetary allowance of R40,000.00 (Forty thousand rands) for the remedial works to the steel channel to J&K, including all preparation and painting, as per the instruction from the Principal Agent	Item	40,000.00
53	Allow a budgetary allowance of R5,000.00 (Five thousand rands) for the replacement of outlets to J&K, to be allocated as per the instruction from the Principal Agent	Item	5,000.00
	Carried Forward		
	Bill No. 1		R
	External Works		
	SECTION 4 - EXTERNAL WORKS		
	POPANO SECONDARY SCHOOL		

Brought Forward		R
54	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for the removal and carting away of all rubble and furniture from the service lanes to Block G, I & L, to be allocated as per the instruction from the Principal Agent	Item 50,000.00
55	Allow a budgetary allowance of R25,000.00 (Twenty five thousand rands) for the removal and carting away of all overgrown vegetation, to be allocated as per the instruction from the Principal Agent	Item 25,000.00
56	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for proving and cleaning pipework, drainage lines, v drains etc to be allocated as per the instruction from the Principal Agent	Item 50,000.00
57	Allow a budgetary allowance of R50,000.00 (Fifty thousand rands) for the remedial works to the netball courts etc to be allocated as per the instruction from the Principal Agent	Item 50,000.00
Carried to Summary		R
Bill No. 1		
External Works		
SECTION 4 - EXTERNAL WORKS		
POPANO SECONDARY SCHOOL		

SECTIONAL SUMMARY		Page No	Amount
1	External Works	141	
Sub Total carried forward to Final Summary			R
SECTION 4 - EXTERNAL WORKS			
POPANO SECONDARY SCHOOL			

SECTION 5

PROVISIONAL SUMS

Item No		Quantity	Rate	Amount
	<u>SECTION 5</u> <u>BILL NO. 1</u> <u>PROVISIONAL SUMS</u>			
	<p>NOTE. For Trade Preambles and amplifications of descriptions, the Contractor is referred to the "Model Preambles for Trades" (Latest Edition). Supplementary Preambles are to be read in conjunction with the "Model Preambles for Trades" and where these are at variance with the Model Preambles, they are to take preference over the Model Preambles are to apply to this contract</p> <p>The following Provisional Amounts are for equipment, etc. supplied and installed or executed complete by firms or specialists to be nominated by the Client or his representative. It should be noted that these amounts are NET, (i.e. does NOT include 5% Builders Discount) and is EXCLUSIVE of any Tax (IVA). Attendance shall in all instances be deemed to include scaffolding and other facilities to be specially provided, prescribed protective measures, etc.</p> <p>In the event of the Contractor being awarded any one or more of the items allowed for in this Bill, then the related Profit and Attendance items would be omitted, and the item or items incorporated into these Bills of Quantities at the Tendered or Adjusted Rates or Value.</p>			
	<u>PROVISIONAL SUMS FOR DIRECT WORKS</u>			
	<u>ELECTRICAL ENGINEER</u>			
1	Provide the sum of R85,000.00 (Eighty five thousand rands) for the appointment of an Electrical Engineer for the project	Item		85,000.00
2	Allow for profit on last item	Item		
3	Allow for attendance on last item	Item		
	<u>GEOTECHNICAL ENGINEER</u>			
4	Provide the sum of R50,000.00 (Fifty thousand rands) for the appointment of a Geotechnical Engineer for the project	Item		50,000.00
	Carried Forward			
	Bill No. 1 Provisional Sums			
	SECTION 5 - PROVISIONAL SUMS			
	POPANO SECONDARY SCHOOL			

Brought Forward		R	
5	Allow for profit on last item	Item	
6	Allow for attendance on last item	Item	
<u>LAND SURVEYOR</u>			
7	Provide the sum of R50,000.00 (Fifty thousand rands) for the appointment of a Land Surveyor for the project	Item	50,000.00
8	Allow for profit on last item	Item	
9	Allow for attendance on last item	Item	
<u>PROVISIONAL SUMS FOR NOMINATED / SELECTED SUBCONTRACT WORKS</u>			
<u>TEMPORARY ACCOMODATION</u>			
10	Provide the sum of R4,090,000.00 (Four million and ninety thousand rands) for the purchase of, transportation, ground preparation works and erection of mobile classrooms and ablution facilities, including the regular maintenance of the ablution facilities for the duration of construction. The units are to be made good upon project completion and relocated to another site determined by the Principal Agent and/or Client, less than or equal to 200km from the site - all as per Architectural / Engineering specifications, to be performed by a specialist if required	Item	4,090,000.00
11	Allow for profit on last item	Item	
12	Allow for attendance on last item	Item	
<u>ELECTRICAL INSTALLATION</u>			
13	Provide the sum of R1,100,000.00 (One million one hundred thousand rands) for the electrical installation and lightening protection complete, as per Architectural / Engineering specifications, to be performed by a specialist if required	Item	1,100,000.00
14	Allow for profit on last item	Item	
15	Allow for attendance on last item	Item	
Carried Forward		R	
Bill No. 1 Provisional Sums SECTION 5 - PROVISIONAL SUMS POPANO SECONDARY SCHOOL			

Brought Forward		R	
<u>GAS INSTALLATION</u>			
16	Provide the sum of R75,000.00 (seventy five thousand rands) for the gas installation complete, as per Architectural / Engineering specifications, to be performed by a specialist if required	Item	75,000.00
17	Allow for profit on last item	Item	
18	Allow for attendance on last item	Item	
<u>PLUMBING AND DRAINAGE</u>			
19	Provide the sum of R900,000.00 (Nine hundred thousand rands) for the supply, installation and guarantee of all plumbing and drainage related items, to be performed by a specialist if required	Item	900,000.00
20	Allow for profit on last item	Item	
21	Allow for attendance on last item	Item	
<u>FURNITURE AND FITOUT</u>			
22	Provide the sum of R1,500,000.00 (One million five hundred thousand rands) for the supply and installation of all Furniture and fitout items, as per Architectural / Engineering specifications, to be performed by a specialist if required	Item	1,500,000.00
23	Allow for profit on last item	Item	
24	Allow for attendance on last item	Item	
Carried to Summary			
Bill No. 1		R	
Provisional Sums			
SECTION 5 - PROVISIONAL SUMS			
POPANO SECONDARY SCHOOL			

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FINAL SUMMARY

Item No		Quantity	Rate	Amount
	<u>FINAL SUMMARY</u>			
	Section 1 Preliminaries and General			
	Section 2 Repair and Maintenance Works			
	Section 3 New Works			
	Section 4 External Works			
	Section 5 Provisional Sums			
	Sub Total		R	
1	Allow the sum of R1,100,000.00 (One million one hundred thousand rands) for the provision of skills development and mentorship of candidates for the duration of construction			
		Item		1,100,000.00
2	Allow the sum of R200,000.00 (Two hundred thousand rands) i.e. R12,500.00 per month for the provision of a Community Liaison Officer for the duration of construction			
		Item		200,000.00
3	Allow the sum of R32,000.00 (Thirty two thousand rands) i.e. R2,000.00 per month for the provision of a Project Steering Committee for the duration of construction			
		Item		32,000.00
	Sub Total		R	
4	Allow an amount of R2,200,000.00 for Contract Price Adjustment Provision (CPAP)			
		Item		2,200,000.00
			R	
	Carried Forward			
	Bill No. 1 Project Final Summary			
	POPANO SECONDARY SCHOOL			

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