

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO 1</u></p> <p><u>BILL NO. 1</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 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an 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 B10.3.1 hereinafter be used for the adjustment of 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> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.</p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p>			
1/1/1	<p>A1 DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.0 Clause</p> <p>1.1 Definition of "Commencement Date" is added:</p>			
	<p style="text-align: right;">Carried Forward</p>		R	
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<p style="text-align: center;">Brought Forward</p> <p>"COMMENCEMENT DATE" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect</p> <p>Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:</p> <p>"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</p> <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> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School</p>	Item	R	
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Brought Forward			R
	<u>OBJECTIVE AND PREPARATION</u>		
1/1/2	A2 OFFER, ACCEPTANCE AND PERFORMANCE Clause 2.0 Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/3	A3 DOCUMENTS Clause 3.0 Clause 3.7 is amended by the addition of the following: The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/4	A4 DESIGN RESPONSIBILITY Clause 4.0 Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/5	A5 EMPLOYER'S AGENTS Clause 5.0 Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4 Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/6	A6 SITE REPRESENTATIVE Clause 6.0 Fixed: _____ Value related: _____ Time related: _____	Item	
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	Brought Forward		R	
1/1/7	A7 COMPLIANCE WITH REGULATIONS Clause 7.0 Note: The provisions herein include inter alia, compliance 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), 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 appoint of a Construction Health and Safety Officer Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/8	A8 WORKS RISK Clause 8.0 Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/9	A9 INDEMNITIES Clause 9.0 Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/10	A10 WORKS INSURANCES Clause 10.0 Clause 10.0 is amended by the addition of the following clauses:			
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<p style="text-align: center;">Brought Forward</p> <p>10.5 Damage to the Works</p> <p>(a) Without in any way limiting the contractor's 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</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>10.6 Injury to Persons or loss of or damage to Properties</p> <p>(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</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School</p>		R	
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	<p style="text-align: center;">Brought Forward</p> <p>(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</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 style="text-align: center;">Carried Forward</p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School</p>		R	
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<p style="text-align: center;">Brought Forward</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>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 style="text-align: center;">Carried Forward</p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School</p>		R	
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	<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 contractor's 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> <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 contractor's 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>Fixed: _____ Value related: _____ Time related: _____</p>			
1/1/11	<p>A11 LIABILITY INSURANCES</p> <p>Clause 11.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
1/1/12	<p>A12 EFFECTING INSURANCES</p> <p>Clause 12.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
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1/1/13	A13.0 <i>No clause</i>	N/A	
1/1/14	<p>A14 SECURITY</p> <p>Clause 14.0</p> <p>Clauses 14.1 - 14.8 are amended by replacing them with the following:</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 employer's 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>		
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<p style="text-align: center;">Brought Forward</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> <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 employer's 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>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School</p>		R	

<p style="text-align: center;">Brought Forward</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>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: center;">Carried Forward</p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School</p>		R	
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<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 employer's 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 contractor's 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>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School</p>		R	

Brought Forward			R
	<u>EXECUTION</u>		
1/1/15	A15 PREPARATION FOR AND 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 Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/16	A16 ACCESS TO THE WORKS Clause 16.0 Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/17	A17 CONTRACT INSTRUCTIONS Clause 17.0 Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/18	A18 SETTING OUT OF THE WORKS Clause 18.0 Fixed: _____ Value related: _____ Time related: _____	Item	
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	Brought Forward		R	
1/1/19	A19 ASSIGNMENT Clause 19.0 Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/20	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 Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/21	A21 SELECTED SUBCONTRACTORS Clause 21.0 Clause 21 is amended by replacing it with: No Clause Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/22	A22 EMPLOYER'S DIRECT CONTRACTORS Clause 22.0 Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/23	A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS Clause 23.0 Fixed: _____ Value related: _____ Time related: _____	Item		
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Brought Forward			R	
	<u>COMPLETION</u>			
1/1/24	A24 PRACTICAL COMPLETION			
	Clause 24.0			
	Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/25	A25 WORK'S COMPLETION			
	Clause 25.0			
	Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/26	A26 FINAL COMPLETION			
	Clause 26.0			
	Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/27	A27 LATENT DEFECTS LIABILITY PERIOD			
	Clause 27.0			
	Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/28	A28 SECTIONAL COMPLETION			
	Clause 28.0			
	Fixed: _____ Value related: _____ Time related: _____	Item		
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	Brought Forward		R	
1/1/29	A29 REVISION OF DATE FOR PRACTICAL COMPLETION Clause 29.0 Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/30	A30 PENALTY FOR NON-COMPLETION Clause 30.0 Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>PAYMENT</u>			
1/1/31	A31 INTERIM PAYMENT TO THE CONTRACTOR Clause 31.0 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			
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<p style="text-align: center;">Brought Forward</p> <p>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</p> <p>Alternative B</p> <p>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:</p> <p>31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>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</p> <p>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</p> <p>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</p> <p>31.9 is amended by replacing "twenty-one (21) calendar days" with thirty (30) calendar days</p> <p>Clause 31.12 is amended by deleting the following:</p> <p>Payment shall be subject to the employer giving the contractor a tax invoice for the amount due</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School</p>		R	
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	Brought Forward		R	
1/1/32	A32 ADJUSTMENT TO THE CONTRACT VALUE Clause 32.0 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 " Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/33	A33 RECOVERY OF EXPENSE AND LOSS Clause 33.0 Clause 33.2 is amended by adding the following clauses: 33.2.9 the contractor's failure or neglect to commence with the works on the dates prescribed in the contract 33.2.10 the contractor's failure or neglect to proceed with the works in terms of the contract 33.2.11 the contractor's failure or neglect for any reason to complete the works in accordance with the contract 33.2.12 the contractor's 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 contractor's estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa Fixed: _____ Value related: _____ Time related: _____	Item		
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	Brought Forward		R	
1/1/34	A34 FINAL ACCOUNT AND FINAL PAYMENT Clause 34.0 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” Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/35	A35 PAYMENT TO OTHER PARTIES Clause 35.0 Fixed: _____ Value related: _____ Time related: _____ <u>CANCELLATION</u> A36 CANCELLATION BY EMPLOYER - CONTRACTOR’S DEFAULT 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 Fixed: _____ Value related: _____ Time related: _____	Item		
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	Brought Forward		R	
1/1/36	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 Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/37	A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S 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 Fixed: _____ Value related: _____ Time related: _____	Item		
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1/1/38	A39 CESSATON - CANCELLATION OF THE WORKS Clause 39.0 Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/39	A40 DISPUTE SETTLEMENT 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 Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>SUBSTITUTE PROVISIONS</u>		
1/1/40	A41 STATE CLAUSES Clause 41.0 Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/41	A41 STATE CLAUSES Clause 41.0 Fixed: _____ Value related: _____ Time related: _____	Item	
Carried Forward			R
Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School			

[illegible]

Brought Forward			R
<u>SECTION B: JBCC PRELIMINARIES</u>			
<u>DEFINITIONS AND INTERPRETATION</u>			
1/1/44	<i>Definitions and interpretation</i> Fixed: _____ Value related: _____ Time related: _____	Item	
<u>DOCUMENTS</u>			
1/1/45	<i>Checking of documents</i> Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/46	<i>Provisional bills of quantities</i> Fixed: _____ Value related: _____ Time related: _____	N/A	
1/1/47	<i>Availability of construction documentation</i> Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/48	<i>Interests of agents</i> Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/49	<i>Priced documents</i> Fixed: _____ Value related: _____ Time related: _____	Item	
1/1/50	<i>Tender submission</i> Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer/Tender" included in the returnable schedules Fixed: _____ Value related: _____ Time related: _____	Item	
Carried Forward			R
Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School			

Brought Forward			R	
	<u>THE SITE</u>			
1/1/51	<i>Defined works area</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/52	<i>Geotechnical investigation</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/53	<i>Inspection of the site</i> Tenderers shall complete the Site Inspection Certificate included in the tender documents and return the same with the tender submission. Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/54	<i>Existing premises occupied</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/55	<i>Previous work – dimensional accuracy</i> Fixed: _____ Value related: _____ Time related: _____	N/A		
1/1/56	<i>Previous work – defects</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/57	<i>Services – known</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/58	<i>Services – unknown</i> Fixed: _____ Value related: _____ Time related: _____	Item		
Carried Forward			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School				

Brought Forward			R	
1/1/59	<i>Protection of trees</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/60	<i>Articles of value</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/61	<i>Inspection of adjoining properties</i> Fixed: _____ Value related: _____ Time related: _____	Item		
<u>MANAGEMENT OF CONTRACT</u>				
1/1/62	<i>Management of the works</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/63	<i>Programme for the works</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/64	<i>Progress meetings</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/65	<i>Technical meetings</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/66	<i>Labour and plant records</i> Fixed: _____ Value related: _____ Time related: _____	Item		
Carried Forward			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School				

Brought Forward			R	
	<u>SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
1/1/67	<i>Samples of materials</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/68	<i>Workmanship samples</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/69	<i>Shop drawings</i> Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>TEMPORARY WORKS AND PLANT</u>			
1/1/70	<i>Deposits and fees</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/71	<i>Enclosure of the works</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/72	<i>Advertising</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/73	<i>Plant, equipment, sheds and offices</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/74	<i>Main notice board</i> Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School			

Brought Forward			R	
1/1/75	<i>Subcontractors' notice board</i> Fixed: _____ Value related: _____ Time related: _____ <u>TEMPORARY SERVICES</u>	Item		
1/1/76	<i>Location</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/77	<i>Water</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/78	<i>Electricity</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/79	<i>Telecommunication facilities</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/80	<i>Ablution facilities</i> Fixed: _____ Value related: _____ Time related: _____ <u>PRIME COST AMOUNTS</u>	Item		
1/1/81	<i>Responsibility for prime cost amounts</i> Fixed: _____ Value related: _____ Time related: _____	Item		
Carried Forward			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School				

Brought Forward			R	
	<u>ATTENDANCE ON N/S SUBCONTRACTORS</u>			
1/1/82	<i>General attendance</i> The schedule rates providing for attendance on nominated subcontractors and other contractors , will be adjusted only if the scope of the work has changed Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/83	<i>Special attendance</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/84	<i>Commissioning – fuel, water and electricity</i> Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>FINANCIAL ASPECTS</u>			
1/1/85	<i>Statutory taxes, duties and levies</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/86	<i>Payment for preliminaries</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/87	<i>Adjustment of preliminaries</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/88	<i>Payment certificate cash flow</i> Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School			

Brought Forward			R	
	<u>GENERAL</u>			
1/1/89	<i>Protection of the works</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/90	<i>Protection / isolation of existing / sectionally occupied works</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/91	<i>Security of the works</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/92	<i>Notice before covering work</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/93	<i>Disturbance</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/94	<i>Environmental disturbance</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/95	<i>Works cleaning and clearing</i> Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/96	<i>Vermin</i> Fixed: _____ Value related: _____ Time related: _____	Item		
Carried Forward			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School				

	Brought Forward		R	
1/1/97	Overhand work Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/98	Instruction manuals and guarantees Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/99	As built information Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/100	Tenant installations Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>SCHEDULE OF VARIABLES</u>			
1/1/101	Pre-tender information Fixed: _____ Value related: _____ Time related: _____ This schedule contains all variables referred to in this document and is divided into pretender 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. 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 12.1 PRE TENDER INFORMATION 12.1.1 Provisional Bills of Quantities <i>[2.2]</i> The quantities are provisional <div style="text-align: right;">NO</div>	Item		
	Carried Forward		R	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School			

<p style="text-align: center;">Brought Forward</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> <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 style="text-align: center;">Carried Forward</p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School</p>		R	
		R	

<p style="text-align: center;">Brought Forward</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: NO</p> <p>12.1.16 Water [7.2} Option A (by contractor) <div style="text-align: center;">YES</div> Option B (by employer - free of charge) NO Option C (by employer - metered) NO</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School</p>		R	
		R	

	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			
1/1/102	12.1.20 Protection of existing/sectionally occupied works [11.2] Protection is required YES	Item		
	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	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School			

[illegible]

	Brought Forward		R	
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>			
	<u>Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</u>			
1/1/103	C1 CONTRACT DRAWINGS <p>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</p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
1/1/104	C2 MODEL PREAMBLES FOR TRADES PREAMBLES <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
	Carried Forward		R	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School			

Brought Forward			R	
1/1/105	C3 TRADE NAMES Wherever a trade name for any product has been described in the bills of quantities , the tenderer's 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 Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/106	C4 OCCUPATIONAL HEALTH AND SAFETY Allowance to be made under this clause for compliance with all requirements of the occupational health and safety act and regulations Fixed: _____ Value related: _____ Time related: _____	Item		
1/1/107	Health & Safety (clause C15) The Contractor shall allow for Health and Safety according to the Occupational Health and Safety Act, 1993, Construction Regulations 2014 as per Government Notice. Contractor to include all OHS requirements such as PPE, safety file, training, medicals, signage, safety officer and covid regulations F:..... V:..... T:.....	Item		
	<u>PROVISIONAL SUMS</u>			
1/1/108	Provide the sum as indicated for item 8.2 refers to the Needs Analysis the contractor shall perform on the targeted enterprise and or JV partner to identify the developmental goals at a rate of R 5000.00 (five thousand rands per targeted enterprise)	Item		5 000.00
Carried Forward			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School				

Brought Forward			R	
1/1/109	Provide the sum as indicated for item 8.3 refers to the Monitoring and Interim reporting to be performed by the contractor as per the Standard at a rate of R20 000.00 (twenty thousand rands) per quarter. Business to decide how many quarters are applicable and quantify by R20 000.00 and add the total in as a provisional sum	Item		20 000.00
1/1/110	Provide the sum as indicated for item 8.4 refers to the Completion report, the contractor shall submit the Completion report to the Employer's representative as per the Standard at a rate of R 5000.00 (five thousand rands) per targeted enterprise	Item		5 000.00
Carried to Final Summary			R	
Section No. 1 Preliminaries Bill No. 1 Preliminaries Olympia Primary School				

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO.1</u></p> <p><u>DEMOLITIONS AND ALTERATIONS</u> <u>(PROVISIONAL)</u></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><u>All dimensional descriptions are to be treated as approximate. 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. 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. The Employer shall retain the right of ownership of materials arising from demolitions unless otherwise stated.</u></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>The Employer shall retain the right of ownership of materials arising from demolitions.</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>			
	Carried Forward		R	
	<p>Section No. 2</p> <p>Alterations (Provisional)</p> <p>Bill No. 1</p> <p>Alterations</p> <p>Olympia Primary School</p>			

[illegible]

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 1</u></p> <p><u>FOUNDATIONS (PROVISIONAL)</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 104 for Haylett Formula purposes.</p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p>NOTE: The foundations have measured to the top of the surface bed. Foundations depths shall be confirmed on site. All excavations shall not be covered prior to the approval and recording of the depths by the Engineer.</p> <p><u>Nature of ground</u></p> <p>Use "assumed to be" if no trial holes, soils investigations, etc have been carried out - discuss with engineer. Use "Trial holes indicate that" where the ground has been investigated by means of trial holes.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Preambles</u></p> <p>The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.</p> <p><u>Proprietary Products in Descriptions</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p>			
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 1 Foundations (Provisional) Olympia Primary School</p>		R	

<p style="text-align: center;">Brought Forward</p> <p><u>Nature of Material To Be Excavated</u></p> <p>The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock"</p> <p><u>Carting Away of Excavated Material</u></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>Density Testing On Filling</u></p> <p>Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved</p> <p>When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally</p> <p>Soil poisoning shall be conducted with an approved registered soil poisoning material of the chlordane or aldrin type mixed with water and then applied at a rate of not less than 5 litres per square metre. The concentration of the solution shall be in accordance with the manufacturer's instructions, to the approval of the Principal Agent and/or Civil Engineer and undertaken under such supervision.</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 1 Foundations (Provisional) Olympia Primary School</p>		R	
		R	

Brought Forward				R	
<u>Carting away of excavated material</u>					
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.					
<u>EXCAVATION, FILLING, ETC</u>					
<u>Excavation in earth not exceeding 2m deep</u>					
3/1/1	Trenches, holes, etc.	m3	2 220		
<u>Extra over excavation in earth for excavation in</u>					
3/1/2	Soft rock	m3	185		
3/1/3	Hard rock	m3	179		
<u>Extra over all excavations for carting away</u>					
3/1/4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	1 598		
<u>Risk of collapse of excavations</u>					
3/1/5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	2 080		
<u>Keeping excavations free of water</u>					
3/1/6	Keeping excavations free of all water other than subterranean water		Item		
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density</u>					
3/1/7	Backfilling to trenches, holes, etc	m3	714		
<u>Approved non - expansive imported inert granular filling under solid floors, supplied and carted on by Contractor, compacted in layers not exceeding 150 mm to 93% HCE density</u>					
3/1/8	Under floors, steps, pavings, etc	m3	745		
Carried Forward				R	
Section No. 3 Building Works Bill No. 1 Foundations (Provisional) Olympia Primary School					

Brought Forward			R
<u>Compaction of surfaces</u>			
3/1/9	Trim, rip and recompaction 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 AASHTO density.	m2	4 953
<u>Soil insecticide</u>			
3/1/10	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	4 953
3/1/11	To bottoms and sides of trenches etc	m2	4 563
<u>Insulation</u>			
3/1/12	50mm Lambdaboard laminated Polyisocyanurate core board installed in strict accordance with manufacturer's specifications	m	1 192
<u>UNREINFORCED CONCRETE</u>			
<u>10MPa/19mm concrete</u>			
3/1/13	50mm Thick surface blinding under footings	m3	150
<u>25MPa/19mm concrete</u>			
3/1/14	Strip footings	m3	526
<u>TEST BLOCKS</u>			
3/1/15	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	75
<u>MASONRY (CPAP Work Group No. 118)</u>			
<u>BRICKWORK</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
3/1/16	One brick walls	m2	3 122
<u>FACE BRICKWORK</u>			
Carried Forward			R
Section No. 3 Building Works Bill No. 1 Foundations (Provisional) Olympia Primary School			

Brought Forward			R
	<u>30 -40MPa Silvergrey Imperial FBX clay face brick size 222 x 106 x 73mm, manufactured in accordance with 227:2007, bedded and jointed in class 1 mortar and pointed with recessed horizontal and vertical joints</u>		
3/1/17	Extra over brickwork for face brickwork in foundations	m2	1 276
	<u>BRICKWORK SUNDRIES</u>		
	<u>Brickwork reinforcement</u>		
3/1/18	150mm Wide reinforcement built in horizontally	m	5 151
Carried Forward to Summary of Section No. 3			R
Section No. 3 Building Works Bill No. 1 Foundations (Provisional) Olympia Primary School			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 2</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Principal Agent.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 110 for Haylett Formula purposes.</p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)</p> <p>Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (12:1), the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 2 Concrete, Formwork and Reinforcement Olympia Primary School</p>			
			R	

		Brought Forward			R
		<p><u>"Foamcement " lightweight concrete</u></p> <p>"Foamcement" lightweight concrete is to have a density of 600kg/m³ for the top 50mm and 400kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 50mm</p> <p><u>"Celbeton" lightweight concrete</u></p> <p>"Celbeton" lightweight concrete is to have a density of 1000kg/m³ for the top 20mm and 480kg/m³ for the remaining thickness. The minimum thickness at outlets, channels, etc shall be 30mm</p> <p><u>Formwork</u></p> <p>Description 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</p> <p>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>Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described</p> <p>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"</p> <p><u>UNREINFORCED CONCRETE</u></p> <p><u>25MPa concrete</u></p>			
3/2/1	Aprons cast in panels	m3	55		
		Carried Forward			R
	<p>Section No. 3 Building Works Bill No. 2 Concrete, Formwork and Reinforcement Olympia Primary School</p>				

Brought Forward				R	
<u>REINFORCED CONCRETE</u>					
<u>30MPa concrete</u>					
3/2/2	Surface beds on waterproofing	m3	495		
3/2/3	Thickening under surface beds	m3	2		
3/2/4	Assembly area slab	m3	152		
<u>TEST BLOCKS</u>					
3/2/5	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	35		
<u>CONCRETE SUNDRIES</u>					
<u>Finishing top surfaces of concrete smooth with a wood float</u>					
3/2/6	Surface beds, slabs, etc	m2	4 954		
3/2/7	Ramps, aprons, etc. to falls	m2	419		
<u>FORMWORK</u>					
3/2/8	30mm thick cavity insulation all as per manufacturers instructions	m2	1 019		
<u>Rough formwork to sides</u>					
3/2/9	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	250		
3/2/10	To slab opening not exceeding 2m girth.	No	16		
3/2/11	Slab propped up not exceeding 1,5m high.	m2	115		
<u>MOVEMENT JOINTS ETC (PROVISIONAL)</u>					
3/2/12	10mm Isolation Joints not exceeding 300mm high	m	1 042		
Carried Forward				R	
Section No. 3 Building Works Bill No. 2 Concrete, Formwork and Reinforcement Olympia Primary School					

Brought Forward			R	
3/2/13	12mm wide, formed by gluing an approved closed cell expanded polyethylene joint filler. All exposed joints to be sealed withh pro-struct 749 gun grade quickseal polysulphide joint sealant mixed and appiled onto primed surfaces in strict accordance to manufacturer's specifications	m	950	
<u>REINFORCEMENT (PROVISIONAL)</u>				
<u>Mild and high yield steel reinforcement to concrete as described including all bending, hooked ends, binding wire and temporary supports</u>				
3/2/14	High yield bar reinforcement Y10	t	3.50	
3/2/15	High yield bar reinforcement Y12	t	3.00	
<u>Fabric reinforcement</u>				
3/2/16	Type 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	4 953	
3/2/17	Type 395 fabric reinforcement in concrete surface beds, slabs, etc	m2	1 010	
Carried Forward to Summary of Section No. 3			R	
Section No. 3 Building Works Bill No. 2 Concrete, Formwork and Reinforcement Olympia Primary School				

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 3</u></p> <p><u>MASONRY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 118 for Haylett Formula purposes.</p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>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><u>Hollow walls etc</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.</p> <p>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><u>User note:</u></p> <p>The above preamble generally applies for works in hot and humid coastal areas</p> <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 3 Masonry Olympia Primary School</p>			
			R	

Brought Forward				R
<u>Pointing</u> Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc				
<u>SUPERSTRUCTURE</u> <u>Brickwork of NFX bricks (26- 40 Mpa nominal compressive strength) in class I mortar</u>				
3/3/1	Piers	m3	83	
3/3/2	Half brick wall	m2	633	
3/3/3	Half brick wall in beamfilling.	m2	272	
3/3/4	One brick walls	m2	2 592	
3/3/5	270mm cavity walls of two half brick skins including wire ties to have staggered galvanised M/S butterfly cavity ties bedded in cement mortar	m2	1 139	
<u>BRICKWORK SUNDRIES</u> <u>Movement Joints</u>				
3/3/6	10mm 'Jointex' expansion joint built in vertically between brick walls	m2	391	
3/3/7	Movement joint formed of 20mm softboard built in vertically between brick wall and concrete	m	482	
<u>Brickwork reinforcement</u>				
3/3/8	Brick reinforcement 75mm wide built into brick walls with sufficient laps at end joints, angles and intersections (measured nett).	m	1 662	
3/3/9	150mm Wide reinforcement built in horizontally	m	6 427	
<u>Prestressed fabricated lintels</u>				
3/3/10	220 x 75mm Lintels in lengths not exceeding 3m	m	196	
Carried Forward				R
Section No. 3 Building Works Bill No. 3 Masonry Olympia Primary School				

[illegible]

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 4</u></p> <p><u>WATERPROOFING</u></p> <p><u>PREAMBLES</u></p> <p><u>PREAMBLES:</u> The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Principal Agent.</p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 120 for Haylett Formula purposes.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Preambles</u></p> <p><u>Proprietary Products in Descriptions</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 120 for Haylett Formula purposes.</p>			
	Carried Forward		R	
	<p>Section No. 3</p> <p>Building Works</p> <p>Bill No. 4</p> <p>Waterproofing</p> <p>Olympia Primary School</p>			

Brought Forward			R
<u>Waterproofing</u> 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>DAMP-PROOFING OF WALLS AND FLOORS</u> <u>One layer of embossed brikrip blue 375 micron embossed damp proof course bearing SABC 952-1985 Type B, well lapped at all joints</u>			
3/4/1	On foundation walls	m2	529
3/4/2	On walls, stepped up in cavities, under cills, around door frames etc.	m2	429
<u>One layer of 250 micron waterproof DPM bearing SABS 952-1985 type C, laid on layer works as per engineer's specification</u>			
3/4/3	Under surface beds	m2	4 953
<u>Stepped DPC of Prostruct Bituthene 3000 with every 4th perp to the inside of the cavity wall. Apply 2 coats of abe brixal to the outer face of the inner skin to height 1m above all stepped DPC.</u>			
3/4/4	On foundation walls	m2	870
Carried Forward to Summary of Section No. 3			R
Section No. 3 Building Works Bill No. 4 Waterproofing Olympia Primary School			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 5</u></p> <p><u>ROOF COVERINGS ETC</u></p> <p><u>PREAMBLES</u></p> <p><u>PREAMBLES:</u> The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 124 for Haylett Formula purposes.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Preambles</u></p> <p>The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.</p> <p><u>Proprietary Products in Descriptions</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p> <p><u>Fixing</u></p> <p>Fixing shall be done according to SABS 1200HB with minimum 150mm end laps where roof pitch exceeds 15 degree and 250mm for other roof pitches</p>			
	Carried Forward		R	
	<p>Section No. 3 Building Works Bill No. 5 Roof Coverings, etc Olympia Primary School</p>			

<p style="text-align: center;">Brought Forward</p> <p><u>Guarantee</u></p> <p>All roof coverings and side cladding are to be installed to comply with SABS Code of Practice 0237 where applicable. All roof sheeting shall be laid under a 5 year guarantee for site workmanship and water tightness.</p> <p><u>Notes:</u></p> <p>The Contractor is to submit to the consultant Architect a certificate signed by the Merchant, stating that the galvanized roof covering supplied complies with the required thickness specified</p> <p>All holes through profiled metal sheeting are to be drilled</p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 124 for Haylett Formula purposes.</p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p>Notes :</p> <p>The following roof sheeting systems are to be installed in strict accordance with the Manufacturer's and/or Supplier's specifications.</p> <p>Fixing of all roof sheeting is to be in accordance with the Manufacturer's approved Instruction Book.</p> <p>The Manufacturer shall comply with ISO9002 Quality Management System.</p> <p>A written and approved five year guarantee of site-workmanship and watertightness shall be issued after final inspection of concealed-fix roofing by the Manufacturer</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 5 Roof Coverings, etc Olympia Primary School</p>		R	
		R	

Brought Forward			R
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>Global roofing solutions 0.58mm thick 890mm cover IBR 890 profile galvanised steel, Z200 spelter ISQ550 chromadek dove grey finish top coat and pebble grey backing coat roof sheeting, fixed to timber intermediate purlins at max 2600mm centres and eaves and ridge purlins at max 2300mm centres using hex flange head plus EPPDM seal self drilling type 17 drill point all in accordance with the manufacturer's specification</u>			
3/5/1	Roof covering with pitch not exceeding 17 degrees, in transportable lengths not exceeding 20m fixed to timber purlins.	m2	4 996
3/5/2	1,2mm thick Ridge Capping	m	387
3/5/3	Valley	m	387
3/5/4	Valley closer	m	387
3/5/5	Extra for rolled edge at verges	m	344
3/5/6	Broad flute closer	m	250
3/5/7	Eaves fillers	m	381
Carried Forward to Summary of Section No. 3			R
Section No. 3 Building Works Bill No. 5 Roof Coverings, etc Olympia Primary School			

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Preambles</u></p> <p>The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.</p> <p><u>Proprietary Products in Descriptions</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 126 for Haylett Formula purposes.</p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p><u>Particle board:</u></p> <p>Particle board shall comply with the following specifications:</p> <p>a) SABS 1300 Particle board: exterior and flooring type</p> <p>b) SABS 1301 Particle board: interior type</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School</p>			
			R	

<p style="text-align: center;">Brought Forward</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish:</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School</p>		R	
		R	

<p style="text-align: center;">Brought Forward</p> <p><u>Roof trusses, etc.</u></p> <p>Prefabricated trusses shall be fabricated in a factory by a truss fabricator who has been awarded a Certificate of Competence by the Institute of Timber Construction and is approved by the Principal Agent.</p> <p>Each roof truss shall have all its members accurately cut and closely butted together and rigidly fixed by CSIR approved patented galvanized metal spiked connectors, precision pressed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions</p> <p>The design, manufacture and transportation of the roof trusses, bracing, etc shall be under the control of a registered Structural Engineer in accordance with SANS 1900, SANS 10160 and SANS 10163, who shall, after erection, provide a certificate confirming that the design, manufacture, transportation, erection and bracing has been carried out in accordance with this specification</p> <p>The design shall include for all live loads, wind loads and for dead loads imposed by roof covering, purlins, ceilings, etc</p> <p>Fully detailed shop drawings of all trusses etc, indicating sizes, bracing, loading, etc, shall be submitted to the Principal Agent for approval prior to fabrication</p> <p>Unless specific erection instructions are given, erection shall be carried out in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber Roof Trusses" published by the Institute for Timber Construction and the Council for Scientific and Industrial Research or as detailed by the designer</p> <p>Roof trusses and bracing shall include design and preparation of shop drawings</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School</p>		R	
		R	

<p style="text-align: center;">Brought Forward</p> <p><u>Notes: The Contractor will be required to provide a certificate of approval signed by a registered engineer certifying that the trusses have been designed, manufactured and installed in accordance with relevant SANS specifications.</u></p> <p><u>PLATE NAILED PREFABRICATED ROOF TRUSSES</u></p> <p>The following is applicable in respect with roof trusses:</p> <p>a) Trusses are at maximum 1200mm centres and constructed for a 25 degrees pitch unless otherwise stated. Roof covering is 0.6mm corrugated iron sheeting on 50 x 76mm purlins. Ceilings are of 6,4mm gypsum plasterboard sheeting on 38 x 38mm brandering, nailed directly below the trusses. The dimensions in the descriptions are nominal and actual measurements shall be obtained from the principal agent and/or the site before design or fabrication commences.</p> <p>b) All roof trusses to be designed and constructed with softwood structural timber to include for live loads, wind loads and to take corrugated roof covering, purlins and fibre cement or gypsum plasterboard ceilings with brandering. Each roof truss shall have all its members accurately cut and close butted together and rigidly fixed by CSIR approved patented galvanised metal spiked connectors, fixed on both sides of each intersection by an approved method, all in accordance with manufacturer's instructions.</p> <p>c) Unless otherwise described all rafter feet are to extend 500mm beyond the length of the tie beam on one side, and 610mm on the other side.</p> <p>d) The design, manufacture and transportation of the roof trusses, bracing, etc. shall be under the control of a registered engineer in accordance with SABS 0243 and it shall be required from the manufacturer of the truss to lodge a written guarantee that his construction has been designed by a qualified structural engineer and that he is in possession of a capability certificate issued by the Institute for Timber Construction and approved by the Representative Agent.</p> <p>e) The tenderer's attention is drawn to the fact that the</p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School</p>		R	
		R	

Brought Forward			R
	<p>detail drawings represent only the overall size and bearing points of the trusses and not the required design.</p> <p>f) Erection must be carried out as described in "The Erection and Bracing of Timber Roof Trusses" published by the Truss Plate Association of South Africa and the National Timber Research Institute.</p> <p>g) Descriptions of roof trusses shall be deemed to include for design, manufacture, supply, hoisting and fixing in position, trimming ends, notching, etc. and for temporary bracing.</p>		
3/6/1	Roof construction to double pitched timber trusses comprising the total area of 12,18m ² . Trusses comprising of sides with height of 1,55m.	No	1
3/6/2	Roof construction to double pitched timber trusses comprising the total area of 380m ² . Trusses comprising of 3 sides with a height of 1,913m.	No	1
3/6/3	Roof construction to double pitched timber trusses comprising the total area of 234,21m ² . Trusses comprising of sides with a height of 1,25m.	No	5
3/6/4	Roof construction to double pitched timber trusses comprising the total area of 155,72m ² . Trusses comprising of sides with a height of 1,25m.	No	1
3/6/5	Roof construction to double pitched timber trusses comprising the total area of 225,84m ² . Trusses comprising of sides with a height of 1,55m.	No	2
3/6/6	Roof construction to double pitched timber trusses comprising the total area of 282,94m ² . Trusses comprising of sides with a height of 1,25m.	No	1
3/6/7	Roof construction to double pitched timber trusses comprising the total area of 257,24m ² . Trusses comprising of sides with a height of 1,85m.	No	1
3/6/8	Roof construction to double pitched timber trusses comprising the total area of 272,59m ² . Trusses comprising of sides with a height of 1,55m.	No	4
Carried Forward			R
<p>Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School</p>			

Brought Forward			R	
3/6/9	Roof construction to double pitched timber trusses comprising the total area of 290,43m2. Trusses comprising of sides with a height of 1,55m.	No	1	
3/6/10	Roof construction to double pitched timber trusses comprising the total area of 294,75m2. Trusses comprising of sides with a height of 1,55m.	No	4	
3/6/11	Roof construction to double pitched timber trusses comprising the total area of 316,21m2. Trusses comprising of sides with a height of 1,55m.	No	1	
<u>SUNDRY ROOF TIMBERS</u>				
<u>Sawn Softwood (Grade 4)</u>				
3/6/12	38 x 76mm runners	m	1 281	
3/6/13	38 x 114mm Wall plates	m	1 102	
3/6/14	76 x 50mm Purlins	m	2 854	
3/6/15	76 x 50mm Splayed purlins	m	310	
<u>Roof Sundries</u>				
3/6/16	"Hurricane clip between truss and windbracing (Provisional)	No	754	
3/6/17	"Hurricane clip between truss and purlins (Provisional)	No	1 506	
<u>SKIRTINGS:</u>				
<u>Wrought Meranti:</u>				
3/6/18	69 x 19mm Meranti skirting nailed to walls with straight edge and slightly rounded back secured to wall with galvanised steel nails at 450mm max. 25mm quarter round fitted to bottom edge centres properly stopped with tinted wood putty and sanded smooth.	m	821	
Carried Forward			R	
Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School				

Brought Forward			R
<u>DOORS, ETC</u>			
<u>NOTE:</u>			
All framed and ledged batten doors and combination doors, where battens are utilised, shall only be of construction acceptable to the Department, i.e. mortice and tennon where the tennon is exposed on the outside edges of stiles and where the tennon is wedged to form a dovetail shape.			
<u>Meranti doors hung to timber frames</u>			
3/6/19	40mm x 813x 2 032mm horizontal grooved heavy duty hardwood door with exposed edges door sanded down. Ref D01	No	50
3/6/20	Hardwood double door size 40 x 1 600 x 2 100mm Framed and sanded down. Ref D05	No	4
3/6/21	40mm x 1 000 x 2 100mm horizontal grooved heavy duty hardwood door with exposed edges door sanded down. Ref D03	No	14
<u>Semi solid timer doors with commercial veneer suitable for and hung to timber frame</u>			
3/6/22	40 x 813 x 2 032mm Ref D2	No	57
3/6/23	40 x 813 x 2 032mm Ref D4	No	11
<u>70 x 90mm Meranti timber door frame</u>			
3/6/24	Meranti door frame size, 900 x 2 100mm high	No	127
3/6/25	Meranti door frame size 1 600 x 2 100mm high	No	4
3/6/26	Meranti door frame size 936 x 2 032mm	No	5
<u>PINNING BOARDS:</u>			
<u>Softboard:</u>			
3/6/27	10mm Thick softboard pinning board fixed to plastered wall with an approved adhesive.	m2	141
Carried Forward			R
Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School			

Brought Forward			R
	<u>Wrought Saligna:</u>		
3/6/28	19 x 50mm Rebated and angle rounded framing plugged and pelleted.	m	273
	<u>MOULDINGS AND SUNDRIES</u>		
	<u>Supawood</u>		
3/6/29	16 x 150mm dado border rail twice corner rounded and once hollow grooved at back, plugged and pelleted	m	494
	<u>FURNITURE</u>		
	<u>Classrooms</u>		
3/6/30	Standard single desk for primary learners: 600H x 450D x 1200W	No	800
3/6/31	Standard single desk for primary learners: 650H x 450D x 1200W	No	520
3/6/32	Junior romy polyshell: 375H (Primary Blue)	No	800
3/6/33	Junior romy polyshell: 400H (Primary Blue)	No	520
3/6/34	Teacher's desk: 725H x 900D x 1500W	No	53
3/6/35	Stackable chair 410mm: 19mm square tubing frame: black	No	53
	<u>HOD'S Office</u>		
3/6/36	Solo 32 1500 x 800 rectangular desk with 3 drawers (melanine oak)	No	6
3/6/37	High black chair swivel & tilt mechanism black nylon base arms polyurethane blue	No	6
3/6/38	Visitor's arm chair polyurethane blue	No	6
	<u>Administration building:</u>		
3/6/39	Monte 2000 x 1000 CPU combination desk with inlay (mahogany veneer)	No	1
	Carried Forward		R
	Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School		

Brought Forward			R	
3/6/40	High black PU leather chair	No	1	
3/6/41	Visitor's PU leather chair	No	2	
3/6/42	Monte hinged door cupboard 1500 x 900	No	1	
<u>Deputy principal</u>				
3/6/43	Versi 2000 x 900 desk with link, pedestal and credenza (mahogany melamine)	No	1	
3/6/44	High black PU leather chair	No	1	
3/6/45	Visitor's PU leather chair	No	2	
<u>Reception</u>				
3/6/46	Solo 32 1500 x 800 rectangular desk with 3 drawers (melamine oak)	No	2	
3/6/47	Typist chair	No	2	
<u>Staff room</u>				
3/6/48	Class act table trapezoid 1370 x 685	No	4	
3/6/49	Class act table rectangular 1370 x 685	No	16	
3/6/50	Banquet side chair black painted 4 legged frame/ stackable/upholstered in contract black fabric	No	30	
<u>Sick bay</u>				
3/6/51	Single steel bed with mattress	No	2	
<u>Science lab:</u>				
3/6/52	Mild steel framed lab stool 690mmH with beige plastic shell	No	40	
<u>Media Centre:</u>				
3/6/53	Solo 32 1500 x 800 rectangular desk with 3 drawers (melamine oak)	No	1	
Carried Forward			R	
Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School				

Brought Forward			R	
3/6/54	High black chair swivel & tilt mechanism black nylon base arms polyurethane blue	No	1	
3/6/55	Visitor's arm chair polyurethane blue	No	2	
3/6/56	Typist chair	No	69	
	<u>Nutrition Centre:</u>			
3/6/57	Round fibreglass table with 6 Ancona seats: 1050 diameter in blue	No	25	
	<u>JOINERY</u>			
3/6/58	600m wide 32mm formica lifeseal top	m	20	
3/6/59	950 mm high double slotted wall bands plugged to wall	No	8	
3/6/60	Shelco or other approved brackets	No	24	
3/6/61	1850mm high double slotted wall bands plugged to wall	No	14	
3/6/62	Shelco or other approved brackets	No	98	
3/6/63	300 mm wide white melamine shelving, 16mm thick with 2mm impact edging	m	115	
3/6/64	600mm wide white melamine chipboard, 16mm thick with 2mm impact edging	m	15	
3/6/65	50 x 50mm SAP timber bearer	m	75	
3/6/66	16 x 70mm SAP floor bearer	m	55	
3/6/67	16mm thick backing board	m2	41	
3/6/68	16mm thick dividers	m2	27	
3/6/69	16 x 30mm thick bearers	m	105	
3/6/70	1000 x 900mm door	m2	16	
3/6/71	150 x 15mm diameter aluminium handle	m2	16	
3/6/72	Aluminium butterfly hinges	No	32	
	Carried Forward			
	Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School			R

	Brought Forward			R	
3/6/73	600mm wide, 32mm formica top	m	6		
3/6/74	16mm thick backing board	m2	5		
3/6/75	16mm thick dividers	m2	7		
3/6/76	16 x 30mm thick bearers	m	55		
3/6/77	16 x 70mm SAP floor bearer	m	32		
3/6/78	600 x 500 x 180mm deep drawer	No	40		
3/6/79	150 x 15mm diameter handles	No	8		
3/6/80	Heavy duty drawer runners	No	16		
3/6/81	1000 x 900mm door	No	6		
3/6/82	150 x 15mm diameter aluminium handle	No	6		
3/6/83	Aluminium butterfly hinges	No	12		
3/6/84	600mm long hanging rail	No	2		
3/6/85	500 mm wide 16mm shelving	m	4		
3/6/86	16mm sides	m2	11		
3/6/87	16mm divider	m2	4		
3/6/88	1800 x 1350mm double door	No	1		
3/6/89	Aluminium butterfly hinges	No	16		
3/6/90	150 x 15mm diameter aluminium handle	No	4		
3/6/91	1800 x 450mm top hung door	No	1		
3/6/92	Aluminium butterfly hinges	No	16		
3/6/93	Worktop 600m wide 32mm formica	m	25		
3/6/94	950 mm high double slotted wall bands plugged to wall	No	18		
3/6/95	1850mm high double slotted wall bands plugged to wall	No	12		
	Carried Forward			R	
	Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School				

	Brought Forward			R	
3/6/96	Shelco or other approved brackets	No	138		
3/6/97	300 mm wide white melamine shelving, 16mm thick with 2mm impact edging	m	24		
3/6/98	600mm wide white melamine chipboard, 16mm thick with 2mm impact edging	m2	126		
3/6/99	16mm thick backing board	m2	22		
3/6/100	16mm thick dividers	m2	20		
3/6/101	16 mm slides	No	5		
3/6/102	600mm wide shelving	m	75		
3/6/103	500 x 600 x 180mm deep drawer	No	48		
3/6/104	150 x 15mm diameter aluminium handle	No	48		
3/6/105	Heavy duty runners	No	96		
3/6/106	1000 x 900mm door	No	20		
3/6/107	150 x 15mm diameter handles	No	20		
3/6/108	150 x 15mm diameter aluminium handle	m2	20		
3/6/109	Aluminium butterfly hinges	No	40		
3/6/110	50 x 50 SAP timber bearer	m	105		
3/6/111	16 x 70mm SAP floor bearer	m	165		
3/6/112	16mm x 32mm chipboard bearer	m	111		
Carried Forward to Summary of Section No. 3				R	
Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Olympia Primary School					

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 7</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 129 for Haylett Formula purposes.</p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Principal Agent.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Preambles</u></p> <p>The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.</p> <p><u>Proprietary Products in Descriptions</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p>			
	<p style="text-align: right;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 7 Ceilings, Partitions & Access Flooring Olympia Primary School</p>		R	

Brought Forward			R
<u>Descriptions:</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or 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 600mm centres, and where described as "bolted" the bolts have been given elsewhere			
<u>CEILINGS ETC</u>			
<u>NAILED UP CEILINGS</u>			
<u>6.4mm Gyproc Rhinoboard with H-type pressed steel jointing strips</u>			
3/7/1	Plasterboard 12.5mm is fixed to timber branderling installed at maximum 600mm centres. Fix boards using gyroc sharp-point screws 32m at maximum 150mm centres. All joints shall be staggered. Apply tape to all joints and cover it with 2 layers of skimcoat spot the screw heads using skimcoat.	m2	3 708
3/7/2	Extra over ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	20
<u>INSULATION, ETC</u>			
<u>Approved non-combustible blanket insulation</u>			
3/7/3	Roof insulation to main roof areas to be Isover 135mm thick aerolite non-combustible light weight fibreglass glasswool hermal ceiling insulation (Code: 11316) closely fitted between tie beams and laid loose on top of branderling between roof timbers all as per manufacturers instructions	m2	3 708
<u>CORNICES</u>			
3/7/4	75mm polystyrene cove cornice overall size 55 x 55mm high, fixed to wall and ceiling using water-based adhesive	m	2 039
Carried Forward			R
Section No. 3 Building Works Bill No. 7 Ceilings, Partitions & Access Flooring Olympia Primary School			

[illegible]

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 8</u></p> <p><u>FLOOR COVERING, PLASTIC LINING, ETC</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 130 for Haylett Formula purposes.</p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Principal Agent.</p> <p><u>Preambles</u></p> <p>The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.</p> <p><u>Proprietary Products in Descriptions</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p> <p><u>FLOOR COVERINGS</u></p>			
	Carried Forward		R	
	<p>Section No. 3</p> <p>Building Works</p> <p>Bill No. 8</p> <p>Floor Coverings, etc</p> <p>Olympia Primary School</p>			

[illegible]

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 9</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Preambles</u></p> <p>The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.</p> <p><u>Proprietary Products in Descriptions</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p> <p><u>Descriptions:</u></p> <p>Ironmongery is fixed to timber unless otherwise described.</p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 132 for Haylett Formula purposes.</p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 9 Ironmongery Olympia Primary School</p>			
			R	

Brought Forward			R
<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 AND BOLTS</u>			
3/9/1	150mm CH Barrel bolt	No	39
<u>LOCKSETS</u>			
<u>The following locks are to be keyed alike, including three keys per lock</u>			
3/9/2	75mm 4 lever, upright lock with three keys, for-end and striking plate	No	103
3/9/3	Cast Zinc Bathroom indicator bolt.	No	20
3/9/4	Silver Anodised Helping Hand Indicator.	No	7
3/9/5	63mm Brass five pin tumbler padlock with two keys	No	15
<u>Handles</u>			
3/9/6	100mm Chromium plated bow handle bolted through door with the bolt ends hammered to prevent the nuts being removed	No	103
<u>LETTERS, NAMEPLATES, ETC</u>			
Carried Forward			R
Section No. 3 Building Works Bill No. 9 Ironmongery Olympia Primary School			

Brought Forward			R
	<u>3mm Thick rectangular perspex name plate with black letters (letters to be 33,5mm Sans Serif Helvetica Medium and to be 7mm from edges of sign) on back, with light grey background and vinyl protection layer, with edges of perspex polished fixed to doors with suitable double sided tape</u>		
3/9/7	32mm Diameter perspex key tags, each with two holes and engraved with a two digit number, including 22mm diameter spring steel "spiral" type clips for attaching to keys	No	20
	<u>Aluminium</u>		
3/9/8	160 x 160 x 3mm Thick satin anodised aluminium pushplate with fire extinguisher pictogram	No	12
3/9/9	160 x 160 x 3mm Thick satin anodised aluminium pushplate with fire hose reel pictogram	No	12
	<u>Doorstops</u>		
3/9/10	Satin chrome plated semicircular floor mounted door stop	No	99
	<u>BATHROOM FITTINGS</u>		
	<u>"Kimberly clarke" or similar approved</u>		
3/9/11	MR2 Stainless steel toilet tissue dispenser stainless steel (Code: SA426130) overall size 130 x 135 x 256mm high installed by kimberly clarke installation team	No	19
	<u>GRAB RAILS</u>		
3/9/12	Chairman Industries SR3 Grab rail or similar approved.	No	7
3/9/13	Chairman Industries DL2 Dogleg Grab rail or similar approved.	No	7
3/9/14	Chairman Industries SR2 Grab rail or similar approved.	No	7
	<u>WALL MOUNTED WRITING BOARDS</u>		
3/9/15	Parrot magnetic whiteboard 1 820 x 1 220mm high including 2 x side panels wide and 1229 high with pen tray, wall mounted.	No	29
Carried Forward			R
Section No. 3 Building Works Bill No. 9 Ironmongery Olympia Primary School			

	Brought Forward			R	
3/9/16	Parrot 1 800 x 900mm high aluminium framed bulletin board with concealed mounting and additional bracket	No	35		
Carried Forward to Summary of Section No. 3				R	
Section No. 3 Building Works Bill No. 9 Ironmongery Olympia Primary School					

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 10</u>			
	<u>METALWORK</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 136 for Haylett Formula purposes.			
	NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	<u>Descriptions</u>			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	<u>SECURITY GATES</u>			
	<u>Steel security gates, screens, etc. installed complete including all subframes, bolts, expansion bolts, etc</u>			
3/10/1	31.7 x 31.7mm square hollow steel section, with 40mm flat bar louvres all as per manufacturer's specification.	m	10	
3/10/2	Shutterway stylish security gate to fit door opening 900 x 2100mm and fixed of door threshold all as per manufacturer's specification. Ref G01	No	20	
3/10/3	Shutterway stylish security gate to fit door opening 1 000 x 2100mm and fixed of door threshold all as per manufacturer's specification. Ref G04	No	4	
	Carried Forward		R	
	Section No. 3 Building Works Bill No. 10 Metalwork Olympia Primary School			

Brought Forward			R
3/10/4	Shutterway stylish security gate to fit door opening 3 440 x 2100mm and fixed of door threshold all as per manufacturer's specification. Ref G3	No	6
<u>MILD STEEL WINDOW FRAMES</u>			
All windows are to be constructed of "heavy duty" window sections. No "light duty" sections are to be employed in the works and if any such window sections are employed they will be rejected.			
<u>Standard school type windows including chrome plated fittings to suite sashes, with and including 20 x 5mm galvanised mild steel flat bar burglar proofing as per NBP2 pattern, welded to frames at centre-line of panes</u>			
3/10/5	Window W01, overall size 889 x 854mm high standard steel type, vertical steel window	No	330
3/10/6	Window W02, overall size 889 x 1 248mm high standard school type, vertical steel window	No	91
3/10/7	Window W03, overall size 889 x 457mm high standard steel type, vertical steel window	No	78
3/10/8	Window W04, overall size 673 x 511mm high standard steel type, vertical steel window	No	29
<u>METAL DOORS</u>			
3/10/9	Standard DDA French Door, overall size 1524 x 2134mm high.	No	2
<u>ALUMINIUM WINDOWS</u>			
3/10/10	Aluminium roller shutter, overall size 3860 x 1 200mm high in accordance with SANS 613 with surface natural anodised aluminium colour silver.	No	1
3/10/11	Aluminium roller shutter, overall size 2000 x 1 200mm high in accordance with SANS 613 with surface natural anodised aluminium colour silver.	No	1
Carried Forward			R
Section No. 3 Building Works Bill No. 10 Metalwork Olympia Primary School			

Brought Forward			R
<u>STRONGROOM, RECORD ROOM DOORS, VENTILATORS, ETC</u>			
<u>Steel strong room / record room door and frame fixed to brickwork</u>			
3/10/12	Mutual safe room door code DS3, size 2 044.5 x 1 000mm wide to suit opening size 1 903 x 830mm wide, installed as per manufacturer's specification, matt charcoal including frame	No	1
3/10/13	Standard safe door doorstop fixed to wall	No	1
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Building Works			
Bill No. 10			
Metalwork			
Olympia Primary School			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 11</u></p> <p><u>PLASTERING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Preambles</u></p> <p>The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.</p> <p><u>Proprietary Products in Descriptions</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p>			
<p style="text-align: right;">Carried Forward</p>			<p style="text-align: right;">R</p>
<p>Section No. 3 Building Works Bill No. 11 Plastering Olympia Primary School</p>			

	Brought Forward			R
	<p><u>NOTE:</u> Screed mix designs must be done by the engineer and the sand tested in a laboratory beforehand. A mechanical mixer is preferred to ensure a homogeneous smooth plaster, screed, etc. mixtures and each batch should be mixed for not less than 3 minutes. The time which elapse between the start of mixing a batch and when it is placed, should not exceed 45 minutes and during that time, the mix should be protected from drying out. Regular strength tests must be conducted to these mixes.</p> <p>A level screed must be provided and a special large wooden trowel to be used. Screeds should be inspected and tested to determine deviation from datum level and surface regularity. The strength of the screed, once it has dried-out, must be test regular using the "BRE screed tester" as well as tests to check the adhesion between screed and base.</p> <p><u>NOTE:</u> 12mm smooth plaster as indicated ob elevations. Walls are to be well wetted before plastering to a smooth, even, plumb and true finish with a wood trowel. Plaster shall be returned into reveals and soffits of openings and all angles shall be true and straight with salient angles slightly rounded. All cracks, blisters and other defects shall be cut out made good and the hole left perfect at completion.</p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 142 for Haylett Formula purposes.</p> <p><u>Epoxy non slip, grey self-leveling, solvent free epoxy flooring system and comprising a resin hardener sytsem, pre-packed aggregates, all strictly in accordance with spec:</u></p>			
3/11/1	On internal floors	m2	92	
	<u>Wood Floated Screeds on concrete</u>			
3/11/2	Wood Floated Screed	m2	165	
	<u>SCREEDS</u>			
	Carried Forward			R
	Section No. 3 Building Works Bill No. 11 Plastering Olympia Primary School			

	Brought Forward			R	
	<u>Self levelling screed</u>				
3/11/3	38mm Thick on floors to receive vinyl tiles	m2	3 346		
	<u>Screeds on concrete</u>				
3/11/4	38mm Thick on floors to receive ceramic tiles	m2	148		
	<u>318/20 9mm epoxy floor coating laid to screed, (screed elsewhere) all strictly in accordance with approved manufacturer's instructions:</u>				
3/11/5	On internal floors	m2	65		
3/11/6	20 x 100mm high skirting coved at junction with floor and fair edge.	m	49		
	<u>INTERNAL PLASTER</u>				
	<u>One coat (4:1) cement plaster</u>				
3/11/7	On walls	m2	3 122		
3/11/8	Narrow widths	m2	175		
	<u>EXTERNAL PLASTER</u>				
	<u>One coat (4:1) cement plaster</u>				
3/11/9	On walls	m2	900		
3/11/10	Narrow widths	m2	70		
	Carried Forward to Summary of Section No. 3			R	
	Section No. 3				
	Building Works				
	Bill No. 11				
	Plastering				
	Olympia Primary School				

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 12</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Preambles</u></p> <p>NOTE: Unless otherwise stated all items in this bill shall be deemed to fall into Worgroup No. 144 for Haylett formula purposes.</p> <p><u>Proprietary Products in Descriptions</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent</p> <p>NOTE: Descriptions:</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>All tiling is to be fixed with approved adhesive unless otherwise described to screeded or plastered surfaces which are elsewhere measured. All jointing is to be done with an approved grout unless otherwise described.</p>			
	Carried Forward		R	
	<p>Section No. 3</p> <p>Building Works</p> <p>Bill No. 12</p> <p>Tiling</p> <p>Olympia Primary School</p>			

	Brought Forward			R	
	<p><u>Fixing</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>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the "Tal Professional" ("Ceresit Tylon") range of products as recommended by the manufacturer of the tiles</p> <p><u>WALL TILING</u></p> <p><u>200 X 250 X 5mm white first grade Ceramic wall tiles fixed with adhesive to plaster and pointed with white jointing compound.</u></p> <p>3/12/1 On walls in splashbacks, etc. m2 186</p> <p><u>FLOOR TILING</u></p> <p><u>600mm x 600mm thick ceramic tiles with PEI 5 rating, as indicated colour to be grey concrete tiles laid with and including adhesive to screed (screed elsewhere) and flush pointed with tinted grout</u></p> <p>3/12/2 On floors m2 148</p> <p>3/12/3 Skirtings 150mm high of cut course tile. m 110</p> <p>Carried Forward to Summary of Section No. 3</p> <p>Section No. 3 Building Works Bill No. 12 Tiling Olympia Primary School</p>			R	

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 13</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 146 for Haylett Formula purposes.</p> <p>NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.</p> <p><u>Vitrified clay pipes:</u></p> <p>Pipes shall rest on solid ground and, where necessary, pockets of sufficient size shall be cut around joints to enable the jointing to be properly performed or, alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in a semi dry state immediately before pipes are laid</p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pipes and fittings:</u></p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated</p> <p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p>			
	Carried Forward		R	
	<p>Section No. 3</p> <p>Building Works</p> <p>Bill No. 13</p> <p>Plumbing and Drainage</p> <p>Olympia Primary School</p>			

<p style="text-align: center;">Brought Forward</p> <p>Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push in type joints</p> <p><u>Copper pipes:</u></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" or similar and approved type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p> <p><u>Excavations</u></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Olympia Primary School</p>		R	

<p style="text-align: center;">Brought Forward</p> <p><u>Laying, backfilling, bedding, etc. of pipes</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><u>Flush pans</u></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Waste unions</u></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p> <p><u>"Densyl" petrolatum anti corrosion tape as manufactured by Denso SA (Pty) Ltd.</u></p> <p>Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described</p> <p>Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, "Lay flat" sheeting, securing of same, etc</p> <p><u>SANITARY FITTINGS:</u></p> <p style="text-align: center;">Carried Forward</p> <p>Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Olympia Primary School</p>		R	
		R	

Brought Forward			R
<u>Stainless steel:</u>			
3/13/1	Franke Projectline Model PLN621 Grade 304 18/10 polished stainless steel double end bowl inset sink (Code: 1990031), overall size 1200 x 460mm with two 340 x 370 x 140mm deep bowls, fitted onto cupboards(elsewhere specified) sink to include plumbing kit (Code: 1120009) mixer (Code: 1150019) (kitchen cabinets by specialist).	No	7
3/13/2	Franke 1,2mm Grade 304 18/10 stainless steel BE Barron bowl urinal (Code: 2540055), size 316 x 241 x 425mm high , Cobra Junior Flushmaster (Code: FJB 102) exposed back entry flush valve, 40mm waste outlet, pressed perforated stainless steel grid and chrome plated button spreader connected to 15mm water supply, 2mm thick mounting plate bolted to wall with anchor bolts	No	10
3/13/3	Franke 1,6mm Grade 304 18/10 stainless steel SSW12 hospital surgeon scrub-up unit (Code: 2630044), size 1200 x 460 x 555mm with radiused internal corners, front and side of unit to be of double walled construction with inner wall sprayed with vermin proof bitumastic sound deadening approximately 2mm thick, 150mm high integral splashback, 40mm waste outlet connected to cobra chromium plated bottle trap (code: 345/40), connected to 15mm water supply, fixed to emovable 2mm thick galvanised mild steel fixing plate and bolted to wall with anchor bolts 900mm from finished floor level	No	12
<u>Sanitary fittings:</u>			
3/13/4	Lecico Atlas 50cm basin with semi pedestall clour white , fixed with stainless steel screws and washers to plugs in wall and sealed with abe Dow corning acetoxysilicone sealant where basin meets wall	No	12
3/13/5	Lecico Neon front flush close coupled WC colour white suite comprising seat and cover bolted to bowl white vitreous china pan with P or S trap, 9 litre low-level white vitreous china cistern complete with valveless syphonic fitting, ball valve and matching flush pipe and heavy duty white single flap seat	No	20
Carried Forward			R
Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Olympia Primary School			

Brought Forward			R	
3/13/6	Lecico Atlas raised CC WC with side lever colour white suite comprising seat and cover bolted to bowl white vitreous china pan with P or S trap, 9 litre low-level white vitreous china cistern complete with valveless syphonic fitting, ball valve and matching flush pipe and heavy duty white single flap seat	No	8	
3/13/7	Lecico Atlas 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	8	
<u>WASTE UNIONS, ETC.:</u>				
3/13/8	32mm "301" Basin waste union.	No	10	
3/13/9	40mm Chromium plated brass wash trough union with backnut, plug and chain.	No	4	
3/13/10	40mm "310" Sink waste union.	No	2	
<u>TRAPS, ETC.:</u>				
<u>Butyl rubber:</u>				
3/13/11	40mm Double flexitrap.	No	5	
3/13/12	40 x 50mm Reseal combination type "P" or "S" trap	No	6	
3/13/13	50mm "Cobra 365/50 CP" or other approved chromium plated bottle trap	No	7	
3/13/14	"Rofo sales cc - code RO 280 (H) NW 100" or other approved stainless steel floor trap drain.	No	3	
3/13/15	"VA 2.360" sink "P" trap.	No	2	
3/13/16	32mm "345/50" CP bottle trap.	No	5	
3/13/17	80mm Cast iron glass enamelled internally urinal trap cast into concrete including caulked lead joint to cast iron pipe and CP outlet grill.	No	2	
<u>TAPS, VALVES, ETC.:</u>				
3/13/18	30mm "318" CP standing overflow tube.	No	3	
Carried Forward			R	
Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Olympia Primary School				

Brought Forward				R	
3/13/19	20mm Fullway brass gate valve	No	6		
3/13/20	15mm "Ball-o-Stop" or other approved brass stopcock	No	4		
3/13/21	15mm "FJT 5.5" CP urinal tail pipe.	No	2		
3/13/22	22mm "131" Brass stopcock.	No	6		
3/13/23	15mm "139 star" CP underwall pattern stopcock.	No	2		
3/13/24	Cobra star or similar approved pillar tap (Code: FPTA2A1SR-0GT01 SKU 211-15/N)	No	4		
3/13/25	Cobra or similar approved Bib tap (Code: FBBAE1SR-0GT01)	No	4		
3/13/26	Cobra or similar approved elbow operated pillar tap (Code: FEAPLEA-4FT01)	No	1		
3/13/27	15mm "166/041" CP sink mixer.	No	2		
3/13/28	Urinal flushing valve.	No	2		
3/13/29	"Masterbox" valve set.	No	1		
<u>SANITARY PLUMBING:</u>					
<u>uPVC pipes:</u>					
3/13/30	50mm Pipes.	m	160		
3/13/31	110mm Pipes.	m	206		
<u>Extra over uPVC pipes for fittings:</u>					
3/13/32	50mm Access bend.	No	36		
3/13/33	50mm Junction	No	15		
3/13/34	50mm Access Junction	No	15		
3/13/35	110mm Access heel bend.	No	19		
3/13/36	110mm Vent valve.	No	12		
Carried Forward				R	
Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Olympia Primary School					

Brought Forward				R	
<u>WATER SUPPLIES:</u>					
<u>Class O copper pipes:</u>					
3/13/37	15mm Pipes.	m	96		
3/13/38	22mm Pipes.	m	81		
3/13/39	28mm Pipes.	m	151		
<u>Extra over class O copper pipes for capillary fittings:</u>					
3/13/40	15mm Fittings.	No	22		
3/13/41	22mm Fittings.	No	7		
3/13/42	28mm Fittings.	No	9		
<u>Copper overflow and service pipes:</u>					
3/13/43	15mm Service pipe 300mm girth.	No	4		
3/13/44	22mm Service pipe 300mm girth.	No	7		
<u>Plasson pipes:</u>					
3/13/45	25mm Service pipe.	m	100		
<u>TESTING</u>					
3/13/46	Provide all necessary apparatus water, etc for and test the whole of the Sanitary Plumbing and Water Supply installation to the satisfaction of the Representative/Agent and Municipality, replace any defective work, free of charge and leave perfect		Item		
<u>BUILDER'S WORK INCLUDING MAKING GOOD:</u>					
3/13/47	Fair cutting and fitting facebrick around pipe not exceeding 100mm diameter.	No	6		
Carried Forward				R	
Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Olympia Primary School					

		Brought Forward			R
	<u>Core drilling of hole for pipe not exceeding 50mm diameter</u> 230mm Brick wall, etc <u>PAINTING (PROVISIONAL)</u> <u>(HAYLETT FORMULA WORK GROUP NO 152</u> <u>Prepare, prime with a self-etching primer and paint one undercoat and one coat high gloss enamel paint</u>	No	20		
3/13/48					
3/13/49	On galvanised mild steel pipe not exceeding 300mm girth	m	150		
<p>Carried Forward to Summary of Section No. 3</p> <p>Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Olympia Primary School</p>					R

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 14</u>			
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	<u>PREAMBLES:</u> The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 150 for Haylett Formula purposes.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Principal Agent.			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>4mm Clear laminated safety glass</u>			
3/14/1	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	499	
	<u>3mm Obscure glass</u>			
3/14/2	Panes exceeding 0,1m ² but not ne 0.5m2	m2	112	
	<u>6mm Float glass with polished edges all round</u>			
3/14/3	Mirror 450 X 600mm high four times holed for and fixed to wall with chromium plated dome headed mirror screws (K9)	No	12	
	Carried Forward to Summary of Section No. 3		R	
	Section No. 3 Building Works Bill No. 14 Glazing Olympia Primary School			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 3</u>			
	<u>BILL NO. 15</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 152 for Haylett Formula purposes.			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>ON PLASTER, ETC.</u>			
	<u>One undercoat and two coats paint</u>			
	<u>Heavy duty low sheen to interior new cement plaster. Surface to be dry, sound and clean and cured for a minimum of 14 days. Prime with one coat primer with an overcoating time of 16 hours and finish with two coats heavy duty low sheen</u>			
3/15/1	On internal plastered walls	m2	3 122	
	<u>Heavy duty low sheen exterior new cement plaster. Surface to be dry, sound and clean and cured for a minimum of 14 days. Prime with one coat primer with an overcoating time of 16 hours and finish with two coats heavy duty low sheen</u>			
3/15/2	On external plastered walls	m2	900	
	<u>ON PLASTER BOARD</u>			
	Carried Forward		R	
	Section No. 3 Building Works Bill No. 15 Paintwork Olympia Primary School			

Brought Forward				R	
	<u>Acrylic polvin to ceiling:</u>				
3/15/3	On ceilings and cornices	m2	3 708		
	<u>ON METAL</u>				
	<u>Spot priming defects in pre primed surfaces with zinc chromate primer and applying one coat undercoat and two coats enamel paint on steel</u>				
3/15/4	Security gates, etc	m2	22		
	<u>ON WOOD</u>				
	<u>Enamel paint</u>				
3/15/5	On rails, etc not exceeding 300 mm girth	m	84		
	<u>One undercoat and two coats paint</u>				
3/15/6	On doors	m2	110		
3/15/7	On door frames	m2	146		
	<u>One coat dark stain and three coats clear ultra varnish</u>				
3/15/8	On doors	m2	310		
	<u>Varnish: interior/ external heavy duty varnish (water based) alkyd varnish (clear) to new interior wood. Sand with abrasive paper, leaving surface clean</u>				
3/15/9	On skirtings, rails, etc not exceeding 300 mm girth	m	540		
	<u>One coat pink oil based wood primer, one coat "UC.1 Merit" universal undercoat and two coats universal enamel gloss paint on:</u>				
3/15/10	Roof timbers at eaves and verges not exceeding 300mm girth.	m2	93		
	Carried Forward to Summary of Section No. 3			R	
	Section No. 3				
	Building Works				
	Bill No. 15				
	Paintwork				
	Olympia Primary School				

Bill No	Section No. 3		Page No		Amount			
	Building Works							
	<u>SECTION SUMMARY - Building Works</u>							
	3/1	Foundations (Provisional)				44		
	3/2	Concrete, Formwork and Reinforcement				48		
	3/3	Masonry				51		
	3/4	Waterproofing				53		
	3/5	Roof Coverings, etc				56		
	3/6	Carpentry and Joinery				68		
	3/7	Ceilings, Partitions & Access Flooring				71		
	3/8	Floor Coverings, etc				73		
	3/9	Ironmongery				77		
	3/10	Metalwork				80		
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Carried to Final Summary			R					
Section No. 3 Building Works Olympia Primary School								

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 1</u>			
	<u>SITE WORKS (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 104 for Haylett Formula purposes.			
	NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	NOTE: The foundations have measured to the top of the surface bed. Foundations depths shall be confirmed on site. All excavations shall not be covered prior to the approval and recording of the depths by the Engineer.			
	<u>EARTHWORKS</u>			
4/1/1	Clear site of all rubbish, debris, vegetation, etc and remove material from site	m2	4 560	
4/1/2	Stripping 150mm layer of top soil and cart to spoil heap on site	m3	154	
	<u>REMOVAL OF TREES ETC</u>			
4/1/3	Take out and remove tree with trunk exceeding 500mm and not exceeding 1000mm girth measured 1m above ground level including excavating and removing roots and fill hole with clean dry earth filling, watered and rammed	No	30	
	<u>BULK EXCAVATION, FILLING, ETC</u>			
	<u>Open face excavation in earth over sloping site</u>			
4/1/4	Open face excavations	m3	1 943	
	Carried Forward		R	
	Section No. 4 External works Bill No. 1 General Site Works Olympia Primary School			

Brought Forward			R
<u>Extra over bulk excavation in earth for excavation in</u>			
4/1/5	Soft rock (intermediate excavation)	m3	29
4/1/6	Hard rock (hard excavation)	m3	19
<u>Extra over all excavations for carting away</u>			
4/1/7	Surplus material from excavations to stock piles on site not exceeding 300m	m3	4 443
<u>Earth filling supplied by the contractor in platforms</u>			
4/1/8	In platforms of G5 material in accordance with SABS 1200 DM compacted to 90% Mod AASHTO density	m3	724
4/1/9	In platforms of G6 material in accordance with SABS 1200 DM compacted to 95% Mod AASHTO density	m3	969
<u>EXCAVATION, FILLING, ETC</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
4/1/10	excavations in earth for aprons	m3	25
Carried Forward to Summary of Section No. 4			R
Section No. 4			
External works			
Bill No. 1			
General Site Works			
Olympia Primary School			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 2</u>			
	<u>STORMWATER DRAINAGE, SOIL DRAINAGE AND WATER SUPPLY</u>			
	<u>PREAMBLES</u>			
	NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	NOTE : Unless otherwise stated herein all items in this bill shall be deemed to fall into Work Group No. 146 for Haylett Formula purposes			
	NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density -----			
	<u>STORMWATER DRAINAGE</u>			
	<u>CONCRETE</u>			
	<u>(HAYLETT FORMULA WORK GROUP NO. 146)</u>			
	<u>Mass concrete with a coarse aggregate of 19mm and a minimum compressive strength of 15MPa at 28 days</u>			
4/2/1	V-shaped channel 600mm wide x 100mm thick with rounded salient edges and finished on exposed surfaces with 2:1 cement mortar, laid to falls in panels not exceeding 1,8m long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound including all necessary excavations and formwork	m	1 454	
4/2/2	Extra for fair open end	No	36	
4/2/3	Extra for fair stopped end	No	32	
	Carried Forward			
	Section No. 4 External works Bill No. 2 Stormwater, Soil drainage and Water Supply Olympia Primary School		R	

	Brought Forward			R	
4/2/4	Extra for angle intersection	No	20		
4/2/5	Extra for T-intersection	No	20		
4/2/6	Triangular shaped concrete spill basin size 1,1m at head, 2,4m at base end and 1,192m along the sides, formed of 200mm thick concrete base with concrete upstand size 200 x 200mm high along two sides and 200 x 200mm footing along base end including all excavations, formwork and backfilling, the top of the base inlaid with eleven clay bricks protruding 55mm above the surface of the concrete and loose stones of 100 to 150mm diameter loose at the base of the spill basin for a width of 500mm	No	22		
	<u>Movement joints</u>				
4/2/7	Movement joint not exceeding 300mm high formed of 12mm bitumen impregnated softboard placed vertical in position between concrete stormwater channel and brick walls or concrete aprons, etc including raking out top section 10mm deep and filling with bituminous compound	m	1 145		
	<u>SOIL DRAINAGE</u>				
	<u>(HAYLETT FORMULA WORK GROUP NO. 146)</u>				
	<u>uPVC pipes</u>				
4/2/8	110mm pipes including excavations not exceeding 1m deep	m	510		
4/2/9	110mm pipes including excavations exceeding 1m not exceeding 2m deep	m	396		
4/2/10	160mm pipes including excavations exceeding 1m not exceeding 2m deep	m	386		
4/2/11	160mm pipes including excavations exceeding 2m not exceeding 4m deep	m	465		
	<u>Extra over uPVC pipes for fittings</u>				
4/2/12	110mm Bend.	No	25		
4/2/13	110mm Access junction.	No	20		
	Carried Forward			R	
	Section No. 4 External works Bill No. 2 Stormwater, Soil drainage and Water Supply Olympia Primary School				

Brought Forward				R
4/2/14	160mm Access Junction	No	20	
	<u>Sundries</u>			
4/2/15	15MPa/19mm mass concrete encasing around 100mm horizontal drain pipe including all necessary formwork	m	42	
4/2/16	15MPa/19mm mass concrete encasing around 100mm vertical or raking drain pipe to cleaning eye including all necessary formwork	m	34	
4/2/17	15MPa/19mm mass concrete in precast I.E. marker block set flush with the ground or paving	No	15	
	<u>THE FOLLOWING IN PRE-FABRICATED MANHOLES</u>			
	<u>(HAYLETT FORMULA WORK GROUP NO. 146)</u>			
	Pre-fabricated concrete manholes and shall constructed according to the Manufacturer's instructions. All manholes to be out of dolomitic aggregate			

	<u>Excavate in earth for and including circular type precast concrete manhole formed of 1,330m diameter x 100mm thick 20MPa/19mm mass concrete bottom with manhole shaft formed of 1,02m diameter (internal) precast concrete rings with joints sealed with non hardening waterproof such as DENSO sealing with and including precast concrete cover slab 125mm thick and precast concrete spacer slab with opening for and including heavy duty road type manhole cover and frame as type 4 set in cement mortar and sealed in tallow and with fine mass concrete benching in bottom floated smooth with falls to and including 617 mesh reinforcement and 150mm vitrified clay channels and finished on all exposed surfaces with 25mm thick granolithic with angles rounded including all necessary step irons, etc.</u>			
4/2/18	Manhole not exceeding 1m deep	No	10	
4/2/19	Manhole exceeding 1m and not exceeding 2m deep	No	10	
	Carried Forward			R
	Section No. 4 External works Bill No. 2 Stormwater, Soil drainage and Water Supply Olympia Primary School			

Brought Forward				R	
4/2/20	Manhole exceeding 2m and not exceeding 4m deep	No	10		
	<u>Sundries</u>				
4/2/21	Hole through side of precast concrete manhole for pipe exceeding 100mm and not exceeding 200mm diameter and make good	No	10		
	<u>WATER SUPPLY</u>				
	(HAYLETT FORMULA WORK GROUP NO. 148)				
	<u>Galvanised mild steel screwed and socketed pipes and fittings</u>				
4/2/22	20mm pipe in short lengths in connections to water meter (elsewhere)	m	225		
4/2/23	20mm pipe and excavations not exceeding 1m deep	m	234		
4/2/24	25mm pipe and excavations not exceeding 1m deep	m	214		
4/2/25	Extra over 20mm pipe for fittings	No	212		
4/2/26	Extra over 25mm pipe for fittings	No	214		
	<u>uPVC 75mm Class 6 piping with "Plasson" or other approved fittings</u>				
4/2/27	75mm pipe and excavations not exceeding 1m deep	m	287		
	<u>uPVC 75mm Class 9 piping with "Plasson" or other approved fittings</u>				
4/2/28	75mm pipe and excavations not exceeding 1m deep	m	237		
	<u>Extra over polyethylene pipes for fittings</u>				
4/2/29	75mm diameter bend	No	214		
4/2/30	63mm male adaptor coupling	No	212		
	<u>Valves, etc including joints to pipes and/or fittings</u>				
4/2/31	25mm brass fullway wheel valve	No	6		
	Carried Forward			R	
	Section No. 4 External works Bill No. 2 Stormwater, Soil drainage and Water Supply Olympia Primary School				

Brought Forward			R	
4/2/32	63mm brass fullway wheel valve	No	6	
4/2/33	Castle Optima 2000 or other approved water meter with threaded inlet port	No	1	
<u>SUNDRIES</u>				
<u>(HAYLETT FORMULA WORK GROUP NO. 148)</u>				
4/2/34	Excavate in earth for and build stop cock box size 225 x 225 x 600mm deep internally with half brick sides in cement mortar with 225 x 225mm regulation pattern cast iron hinged box Type 11B set in and including 15MPa/19mm mass concrete surround size 75mm wide x 100mm deep all round	No	1	
4/2/35	Excavate in earth not exceeding 1m deep for and build circular type precast concrete valve and meter chamber formed of 1,05m diameter (internal) precast concrete rings with and including precast concrete cover slab 125mm thick and precast concrete spacer slab with opening for and pavement type manhole cover and frame as type 4 set in cement mortar and sealed in tallow and with fine mass concrete filling in bottom floated smooth with falls and finished on all exposed surfaces with 25mm thick granolithic with angles rounded including all necessary step irons, etc	No	1	
4/2/36	Extra over excavations in earth for pipe trenches, etc for excavations in soft rock	m3	1	
4/2/37	Extra over excavations in earth for pipe trenches, etc for excavations in hard rock	m3	1	
4/2/38	15MPa/19mm mass concrete in thrust blocks around fittings including necessary additional excavations, formwork, etc	m3	1	
Carried Forward			R	
Section No. 4 External works Bill No. 2 Stormwater, Soil drainage and Water Supply Olympia Primary School				

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 3</u>			
	<u>COVERED WALKWAYS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	<u>EARTHWORKS</u>			
	<u>EXCAVATIONS</u>			
	<u>Excavate in earth not exceeding 2 m deep below reduced or filled up ground level for</u>			
4/3/1	Trenches, holes, etc.	m3	492	
	<u>Extra over trench and hole excavations for excavation in:</u>			
4/3/2	Soft rock	m3	13	
4/3/3	Hard rock	m3	7	
	<u>Extra over all excavations for carting away</u>			
4/3/4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	179	
	<u>Risk of collapse to sides of excavations</u>			
4/3/5	Side of trench and hole excavations from natural, elevated or reduced ground level not exceeding 1500mm deep	m2	1 326	
	<u>Keeping excavations free of water</u>			
4/3/6	Allow for keeping all excavation free of water and mud	Item		
	<u>FILLING, ETC:</u>			
	Carried Forward		R	
	Section No. 4 External works Bill No. 3 Walkways and Yardwalls Olympia Primary School			

Brought Forward			R
<u>Earth filling obtained from the excavations</u>			
4/3/7	Backfilling to trenches and holes compacted to 90% modified AASHTO density	m3	153
<u>Approved non - expansive imported inert granular filling under solid floors, supplied and carted on by Contractor, compacted in layers not exceeding 150 mm to 93% HCE density</u>			
4/3/8	Under floors, steps, pavings, etc	m3	298
<u>Compaction of surfaces</u>			
4/3/9	Compaction of ground surface under floors, trenches, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2	464
<u>Soil insecticide</u>			
4/3/10	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	464
4/3/11	To bottoms and sides of trenches, bases, etc	m2	714
<u>Coarse river sand filling supplied by the contractor</u>			
4/3/12	50mm thick river sand under floors, etc.	m2	464
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
4/3/13	In strip footings	m3	41
4/3/14	Surface beds on waterproofing cast in panels	m3	25
<u>TEST BLOCKS</u>			
4/3/15	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	50
Carried Forward			R
Section No. 4 External works Bill No. 3 Walkways and Yardwalls Olympia Primary School			

Brought Forward			R
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
4/3/16	Surface beds, slabs, etc	m2	750
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>			
<u>Smooth formwork to sides</u>			
4/3/17	Edges of slabs not exceeding 300mm high	m2	252
<u>MOVEMENT JOINTS ETC (PROVISIONAL)</u>			
4/3/18	10mm Isolation Joints not exceeding 300mm high	m	346
4/3/19	10 x 12mm polysulphide sealant	m	334
<u>REINFORCEMENT (PROVISIONAL)</u>			
4/3/20	Mesh - Ref 245 to surface bed	m2	300
<u>MASONRY</u>			
<u>FOUNDATIONS (PROVISIONAL)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar</u>			
4/3/21	One brick walls	m2	257
<u>FACE BRICKWORK</u>			
<u>External facing (PC R6500,00/1000 excluding VAT) pointed with square recessed horizontal and vertical joints</u>			
4/3/22	Extra over brickwork for face brickwork	m2	419
4/3/23	Brick on edge on coping to one brickwall.	m	350
Carried Forward			R
Section No. 4 External works Bill No. 3 Walkways and Yardwalls Olympia Primary School			

	Brought Forward			R	
	<u>Brickwork reinforcement</u>				
4/3/24	150mm Wide reinforcement built in horizontally	m	1 230		
	<u>WATERPROOFING</u>				
	<u>WATERPROOFING UNDER FLOORS, ETC</u>				
	<u>Colour coded polythylene sheeting complying with SABS 952, Type C, in widedet practicable widths with all joints lapped and sealed in accordance with the manufacture's instructions</u>				
4/3/25	250 Micron green medium density sheeting laid loose on top of compacted earth under concrete surface beds, lapped 150 mm and sealed at all joints with pressure sensitive tape (measured net).	m2	656		
	<u>ROOF COVERINGS, ETC.:</u>				
	<u>"COLOURED ROOF SHEETING OR SIMILAR AND APPROVED</u>				
	<u>Supplementary Preambles:</u>				
	Notes :				
	The following roof sheeting systems are to be installed in strict accordance with the Manufacturer's and/or Supplier's specifications.				
	Fixing of all roof sheeting is to be in accordance with the Manufacturer's approved Instruction Book.				
	The Manufacturer shall comply with ISO9002 Quality Management System.				
	A written and approved five year guarantee of site-workmanship and watertightness shall be issued after final inspection of concealed-fix roofing by the Manufacturer				
	Carried Forward			R	
	Section No. 4 External works Bill No. 3 Walkways and Yardwalls Olympia Primary School				

Brought Forward			R
<u>0,6mm Thick Light Industrial "Colomate" IBR profile steel roof sheeting pre painted fixed to timber purlins at approximately 750mm centres according to engineers detail</u>			
4/3/26	Roof covering with pitch not exceeding 25 degrees, fixed to metal purlins.	m2	450
4/3/27	1,2mm thick Ridge Capping	m	288
<u>STRUCTURAL STEELWORK</u>			
<u>The following in hot dipped galvanized steel structure to walkways</u>			
4/3/28	75 x 75 x 3mm wall thickness hollow section columns, mitred at angles and fitted with 150 x 150 x 3mm footplates	m	362.00
4/3/29	60 x 40 x 2,5mm Hollow section purlin bolted to brackets	m	300.00
<u>PAINTWORK</u>			
<u>PAINTWORK ETC TO NEW WORK</u>			
<u>ON METAL</u>			
<u>One coat Plascon Namelcote Synthetic Metal Primer (UC53), one undercoat and two finishing coats</u>			
<u>'Plascon Wall and All pure acrylic emulsion paint</u>			
4/3/30	On steel purlins, beams and columns, etc	m2	356
Carried Forward to Summary of Section No. 4			R
Section No. 4			
External works			
Bill No. 3			
Walkways and Yardwalls			
Olympia Primary School			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 4</u>			
	<u>PARKING AND PAVING</u>			
	NOTE : Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill			
	NOTE : All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density -----			
	<u>EARTHWORKS</u>			
	<u>(HAYLETT FORMULA WORK GROUP NO. 104)</u>			
4/4/1	Open face excavations in earth to reduce levels	m3	450	
4/4/2	Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m3	450	
4/4/3	Extra over open face excavations in earth for excavations in soft rock	m3	100	
4/4/4	Extra over open face excavations in earth for excavations in hard rock	m3	90	
4/4/5	Allow for keeping all excavations entirely free from water and mud		Item	
4/4/6	150mm sub-base layer of selected earth filling from the excavations stabilised with and including 5% road lime and compacted to 93% modified AASHTO density	m3	250	
4/4/7	150mm base layer of selected gravel material to comply with minimum CBR 15 and maximum PI 12, imported from commercial sources and compacted to 95% modified AASHTO density	m3	150	
	Carried Forward		R	
	Section No. 4 External works Bill No. 4 Parking & Paving Olympia Primary School			

Brought Forward			R	
4/4/8	Over site of G5 sub-base layer C4 material in accordance with SABS 1200 ME, stabilised to attain UCS 1,5 MPa after seven days and compacted to 95% Mod AASHTO density	m3	150	
4/4/9	Compaction of ground surface under pavings, etc including scarifying for a depth of 150mm, breaking down over size material, adding suitable material where necessary and compact to 93% modified AASHTO density	m2	1 015	
4/4/10	20mm thick layer clean, dry, riversand layer treated with an approved weed killer at the rate of 50 gram per square metre, spread and levelled to receive paving blocks (elsewhere)	m2	200	
4/4/11	Tests to determine the degree of compaction, etc. of ground or filling	No	10	
<u>PRECAST CONCRETE</u>				
<u>(HAYLETT FORMULA WORK GROUP NO. 112)</u>				
4/4/12	60mm thick precast concrete interlocking block paving laid to falls on sand layer (elsewhere) with joints filled in with sand including all straight cutting	m2	1 015	
4/4/13	80mm thick precast concrete interlocking block paving laid to falls on sand layer (elsewhere) with joints filled in with sand including all straight cutting	m2	1 015	
4/4/14	Extra for edge blocks	m	500	
4/4/15	Semi vertical kerbing to SABS 927 Fig. 3 in 1m lengths with 10mm wide butt joints filled in with cement mortar and pointed with grooved half round joints and 10mm wide open butt joints at 5m centres including 15MPa/19mm mass concrete bedding size 50mm thick x 300mm wide and 20MPa/19mm mass concrete haunching size 225mm long x 225mm high x 150mm thick at joints and backfilling at back of kerbs, topsoiled and levelled to adjacent surfaces	m	550	
4/4/16	Ditto, but circular on plan to radius exceeding 1m and not exceeding 4m	m	350	
Carried Forward			R	
Section No. 4 External works Bill No. 4 Parking & Paving Olympia Primary School				

Brought Forward			R
<u>METALWORK</u>			
<u>(HAYLETT FORMULA WORK GROUP NO. 136)</u>			
4/4/17	Standard "STOP" sign with standard 50mm diameter galvanised mild steel fixing post bedded into and including bases, including all necessary mass concrete, excavations, etc.	No	10
<u>PAINTING</u>			
<u>(HAYLETT FORMULA WORK GROUP NO. 152)</u>			
<u>Prepare and paint one coat white reflective road marking paint on precast concrete paving blocks</u>			
4/4/18	100mm wide line	m	400
4/4/19	Wheelchair figure on paving	No	200
Carried Forward to Summary of Section No. 4			R
Section No. 4 External works Bill No. 4 Parking & Paving Olympia Primary School			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 4</u>			
	<u>BILL NO. 5</u>			
	<u>TENNIS COURTS (PROVISIONAL)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE: The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	Note: All excavation depths have been calculated from predetermined platform levels preformed under a separate contract. -----			
	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Principal Agent.			
	<u>EARTHWORKS</u>			
4/5/1	Rip, Import and Compact 150mm layer to 95% Mod AASHOT density	m2	630.00	
4/5/2	Filling to make up levels with imported G5 material in layer of 150mm, supplied by the contractor and compacted to 95% MOD AASHTO density	m3	300	
4/5/3	Treatment of court area with weed killer and pesticide	m2	630	
4/5/4	Apply course of 13mm crusher stone, spray with bitumen SS60	m2	630	
4/5/5	Apply course of 6.7mm stone, spray with bitumen SS60 emulsion	m2	630	
4/5/6	Apply sluery layer	m2	630	
4/5/7	Apply one layer of fiber mesh	m2	630	
	Carried Forward		R	
	Section No. 4 External works Bill No. 5 Netball Court Olympia Primary School			

	Brought Forward			R	
4/5/8	Apply by squeegees colourless layer	m2	630		
4/5/9	Apply by squeegees 1 x colour layer according to engineer's requirement	m2	630		
	<u>PAINTWORK</u>				
4/5/10	Paint lines 50mm wide with acrylic PVA paint	m	400		
	<u>EQUIPMENT</u>				
4/5/11	Supply and fit netball/tennis equipment		Item		30 000.00
4/5/12	Galvanized Post & Rail Fencing 3.6m High		Item		5 000.00
	<u>SECURITY FENCING</u>				
	<u>CONCRETE</u>				
4/5/13	Base for intermediate post, size 450 x 450 x 900mm, including all excavations, 15MPa/38mm mass concrete base with chamfered top surface projecting 50mm above surrounding ground level including any necessary formwork, etc	No	8		
4/5/14	Base for end, corner or gate post, size 450 x 450 x 900mm, including all excavations, 15MPa/38mm mass concrete base with chamfered top surface projecting 50mm above surrounding ground level including any necessary formwork, etc	No	6		
4/5/15	Base for stay, size 450 x 760 x 600mm, including all excavations, 15MPa/38mm mass concrete base with chamfered top surface projecting 50mm above surrounding ground level including any necessary formwork, etc	No	8		
	<u>METALWORK</u>				
	<u>(HAYLETT FORMULA WORK GROUP NO. 136)</u>				
	Carried Forward			R	
	Section No. 4 External works Bill No. 5 Netball Court Olympia Primary School				

Brought Forward			R
<u>Security fencing including site clearance and preparation of ground</u>			
4/5/16	Security fencing 4,5m high formed of 13 strands of straining wires each strand formed of twisted double strand 1,6mm thick galvanised wires incorporating 3 barbs in every twist at 150mm centres mechanically strained between straining and / or gate and corner posts at maximum 3m centres with one end passed through holes and securely tied to posts and other end securely tied to and including eyebolts bolted onto posts; each strand tied at maximum 3m centres to intermediate posts (elsewhere) with and including 2,5mm galvanised binding wire; the fence complete with and including three rows of flat wrap razor security wire in 700mm diameter vertical loops fixed at each intersection with barbed straining wires with and including 2,5mm galvanised binding wire.	m	106
4/5/17	50mm diameter x 2,8mm thick galvanised intermediate post 4,5m long with mushroom cap welded onto top and with 200 x 200 x 6mm mild steel base plate welded onto bottom end including setting up and embedded in position concrete base (elsewhere)	No	10
4/5/18	100mm diameter x 3mm thick galvanised end or gate post 4,5m long with mushroom cap welded onto top; the post 13 times holed for straining wires or eyebolts and with 300 x 300 x 6mm mild steel base plate welded onto bottom end; the post complete with and including one 50mm diameter x 2,8mm thick galvanised stay 2,5m long with top end flattened for a length of 180mm, holed for and bolted to post with and including M12 galvanised mild steel bolts with nuts and washers including drilling holes through posts and with 200 x 200 x 6mm mild steel base plate welded onto bottom end of stay including setting up post and stay and embedding in position in concrete bases (elsewhere)	No	8
4/5/19	Ditto, but straining or corner post with two stays.	No	10
Carried Forward			R
Section No. 4 External works Bill No. 5 Netball Court Olympia Primary School			

Brought Forward			R
<u>The following in mild steel gates</u>			
4/5/20	Single pedestrian gate size 1,35 x 4,5m high formed of 50mm diameter x 2,8mm thick galvanised mild steel pipe framing all round complete with one 50mm diameter x 2,8mm thick galvanised mild steel pipe diagonal brace all neatly mitred and welded intersections; the gate with 11 strands of straining wires each strand formed of twisted double strand 1,6mm thick galvanised wires incorporating 3 barbs in every twist at 150mm centres mechanically strained between and securely fixed to gate styles complete with and including three rows of flat wrap razor security wire in 600mm diameter vertical loops fixed at each intersection with barbed straining wires with and including 2,5mm galvanised binding wire and the one style fitted with and including two standard type pin and collar hinges bolted onto gate post (elsewhere) including drilling holes through gate post and other style with purpose made mild steel bar 320mm girth bent to semi circular shape and welded on.	No	2
4/5/21	Locking chain 600mm long with 50mm links	No	2
4/5/22	63mm brass five pin tumbler padlock with keys	No	2
<u>PAINTING</u>			
<u>(HAYLETT FORMULA WORK GROUP NO. 152)</u>			
<u>Prepare and apply one coat zinc chromate primer and two coats bituminous aluminium paint</u>			
4/5/23	On steel posts exceeding 300mm girth	m2	100
4/5/24	On steel posts and stays not exceeding 300mm girth	m	100
Carried Forward to Summary of Section No. 4			R
Section No. 4 External works Bill No. 5 Netball Court Olympia Primary School			

[illegible]

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 5</u>			
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL SUMS</u>			
	<u>PREAMBLES</u>			
	<u>For Preambles see "Model Preambles For Trades"</u>			
	<u>PREAMBLES:</u> The Tenderer is referred to the relevant Clause in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	<u>WORK BY CONTRACTOR</u>			
	BUDGETARY ALLOWANCES under this heading are for work to be executed by the contractor or a specialist sub-contractor and are to be used at the discretion of the Principal Agent and deducted in whole or in part if not required.			
	<u>The following Provisional Sums and Prime Cost Items are net</u>			
	<u>The Contractor shall allow for profit and attendance after each Prime Cost Sum. Where no allowance has been made by the Contractor, it shall be assumed the allowance shall have been included elsewhere in the rates for other works.</u>			
	<u>DEMOLITION OF ASBESTOS</u>			
5/1/1	Provide the sum as indicated for demolition of asbestos to be supplied by specialist including the foundations and filling material	Item		8 000 000.00
5/1/2	Allow for profit.	Item		
5/1/3	Allow for attendance.	Item		
	Carried Forward		R	
	Section No. 5 Provisional sums Bill No. 1 Provisional and Prime Cost Sums Olympia Primary School			

	Brought Forward		R	
	<u>EXPOSE SERVICES</u>			
5/1/4	Provide the sum as indicated for exposing services & rerouting of services if necessary	Item		200 000.00
5/1/5	Allow for profit.	Item		
5/1/6	Allow for attendance.	Item		
	<u>BOREHOLE DRILLING, TESTING & EQUIPPING</u>			
5/1/7	Provide the sum as indicated for borehole drilling	Item		380 000.00
5/1/8	Allow for profit.	Item		
5/1/9	Allow for attendance.	Item		
	<u>30 000 L PRESTANK & STAND</u>			
5/1/10	Provide the sum as indicated for a prestank including tank stand with a hot dipp galvanised stand, cat ladder and safety barriers	Item		200 000.00
5/1/11	Allow for profit.	Item		
5/1/12	Allow for attendance.	Item		
	<u>GEOPHYSICIST</u>			
5/1/13	Provide the sum as indicated for geophysicist	Item		60 000.00
5/1/14	Allow for profit.	Item		
5/1/15	Allow for attendance.	Item		
	<u>MECHANICAL WORKS</u>			
5/1/16	Allow the sum as indicated for mechanical works	Item		3 200 000.00
5/1/17	Allow for profit	Item		
5/1/18	Allow for attendance	Item		
	<u>LANDSCAPING</u>			
5/1/19	Allow the sum as indicated for landscaping	Item		700 000.00
	Carried Forward		R	
	Section No. 5 Provisional sums Bill No. 1 Provisional and Prime Cost Sums Olympia Primary School			

Brought Forward			R	
5/1/20	Allow for profit	Item		
5/1/21	Allow for attendance	Item		
<u>MOBILE CLASSROOMS</u>				
5/1/22	Provide the sum as indicated for forty one (41) mobile classrooms to be supplied and installed by a firm of specialists	Item		10 000 000.00
5/1/23	Allow for profit.	Item		
5/1/24	Allow for attendance.	Item		
<u>BUDGETARY ALLOWANCE</u>				
5/1/25	Allow the sum as indicated for signage	Item		50 000.00
5/1/26	Allow the sum as indicated for drinking fountains.	Item		50 000.00
5/1/27	Allow the sum as indicated for flag posts	Item		15 000.00
5/1/28	Allow the sum as indicated for furniture removal, including relocating mobile classrooms.	Item		80 000.00
5/1/29	Allow the sum as indicated for carports.	Item		150 000.00
5/1/30	Allow the sum as indicated for surfacing of the court yard	Item		600 000.00
5/1/31	Allow the sum as indicated for features at the court yard	Item		60 000.00
Carried to Final Summary			R	
Section No. 5 Provisional sums Bill No. 1 Provisional and Prime Cost Sums Olympia Primary School				

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 6</u>			
	<u>BILL NO. 1</u>			
	<u>ELECTRICAL WORK</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>ELECTRICAL WORK</u>			
	<u>400V Kiosk</u>			
6/1/1	Supply, manufacture, deliver, install 400V and commission new kiosk complete with all accessories as per the drawings	No	5.00	
	<u>SUB-DISTRIBUTION BOARD 400V 5KA</u>			
6/1/2	Supply, manufacture, deliver, install and commission 400V SP&L distribution board complete with all accessories as per the drawing and system specification	No	15.00	
6/1/3	Supply, manufacturer, install and commission 230V SP & L distribution board complete with all accessories as per the drawings	No	7.00	
	<u>LIGHTING FITTINGS</u>			
	<u>Supply, deliver and install the following light fittings complete, inclusive of lamps</u>			
6/1/4	2 x 36W 1200mm open channel T5 light fitting	No	457.00	
6/1/5	1 x 22W IP65 Bulkhead light fitting	No	168.00	
6/1/6	1 x 22W IP28 Bulkhead light fitting	m	60.00	
	<u>LIGHTING SWITCHES</u>			
	<u>Supply, install and connect flush mounted switch unit complete with cover plate, boxes and all accessories</u>			
6/1/7	Single Lever, 1 Way light switch	No	147.00	
	Carried Forward			
	Section No. 6 Electrical Works Bill No. 1 Electrical Works Olympia Primary School		R	

	Brought Forward			R	
6/1/8	Single Lever, 1 Way light switch	No	8.00		
6/1/9	230V 16A, IP65 Photocell	No	22.00		
	<u>CONDUCTORS AND CABLES</u>				
	<u>Supply and install GP PVC insulated copper conductors in required colours drawn into conduit or in trunking</u>				
6/1/10	2.5mm ²	m	13 500.00		
6/1/11	6 mm ²	m	10 000.00		
	<u>Supply, deliver and install PVC, PVC, SWA, PVC 600/1000V cables</u>				
6/1/12	120 mm ² , 4-Core	m	550.00		
6/1/13	35 mm ² , 4-Core	m	500.00		
6/1/14	25 mm ² , 4-Core	m	650.00		
6/1/15	16 mm ² , 4-Core	m	650.00		
	<u>Supply, deliver and install single core antitheft copper coated bare earth conductor</u>				
6/1/16	70 mm ² single core	m	550.00		
6/1/17	16 mm ² single core	m	1 800.00		
	<u>CABLE TERMINATION</u>				
	<u>Supply, deliver and install termination kit, complete with compression gland, lugs, sleeves and all accessories</u>				
6/1/18	120 mm ² , 4-Core PVC, SWA, PVC 600/1000V cable	No	2.00		
6/1/19	35 mm ² , 4-Core PVC, PVC, SWA, PVC 600/1000V cable	No	2.00		
6/1/20	25 mm ² , GP PVC insulated copper conductors	No	26.00		
	Carried Forward			R	
	Section No. 6 Electrical Works Bill No. 1 Electrical Works Olympia Primary School				

Brought Forward				R	
6/1/21	16 mm2, 4-Core PVC, SWA, PVC 600/1000V cable	No	26.00		
6/1/22	2.5 mm2 GP PVC insulated copper conductors	No	500.00		
6/1/23	6 mm2 GP PVC insulated copper conductors	No	500.00		
6/1/24	70 mm2 single core antitheft copper coated bare earth conductor	No	2.00		
6/1/25	16 mm2 single core antitheft copper coated bare earth conductor	No	56.00		
<u>SWITCHED SOCKET OUTLETS AND ISOLATERS</u>					
<u>Supply, install and connect flush mounted switch socket outlets and isolaters as specified including cover plates and all accessories</u>					
6/1/26	16 Amp, 3-pin, Standard/Euro combine double switched socket outlet	No	256.00		
6/1/27	20 Amp, 230V, SABS approved double pole, flash/surface mounted isolater	No	5.00		
<u>CONDUIT AND CONDUIT BOXES</u>					
6/1/28	Supply, install 25mm PVC conduit complete with all accessories including adapters and couplers	No	8 500.00		
6/1/29	Supply and install 60 mm round, 60 mm deep PVC box for 25 mm conduit fixed in soffit or brickwork or ceiling void	No	300.00		
6/1/30	Supply and install 100 x 50 x 50 mm gal. box, flush mounted in brickwork	No	300.00		
6/1/31	Supply and install 100 x 100 x 50mm gal.box, flush mounted in brickwork	No	300.00		
<u>EXCAVATION AND BACKFILLING</u>					
6/1/32	Excavate 800mm deep by 500mm wide hand pickable soil	m	700.00		
6/1/33	Backfilling	m	700.00		
Carried Forward				R	
Section No. 6 Electrical Works Bill No. 1 Electrical Works Olympia Primary School					

Brought Forward			R
<u>EARTHING AND BONDING</u>			
6/1/34	Perform soil resistivity test	No	1.00
6/1/35	Earth and bond of the complete installation in accordance with the specification and SANS standards	No	1.00
6/1/36	Supply, install and test earthing and lightning protection system including	No	1.00
<u>TEST AND COMMISSIONING</u>			
6/1/37	Test and commission the complete installation in accordance with the specification and SANS standards	No	1.00
Carried to Final Summary			R
Section No. 6 Electrical Works Bill No. 1 Electrical Works Olympia Primary School			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 7</u>			
	<u>BILL NO. 1</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>OCCUPATIONAL HEALTH & SAFETY</u>			
	<u>PROGRAMME</u>			
	<u>Set up a site and job specific Health and Safety Plan, including a Safety File on site to contain the following:</u>			
	<u>HEALTH AND SAFETY PERSONNEL</u>			
7/1/1	Safety Manager	MNTHS	18	
7/1/2	Copy of Occupational Health and Safety Act (Act 85 of 1993 - 20th version/edition) including Construction Regulations August 2014		Item	
7/1/3	Induction Training / Re-induction/Re-fresher		Item	
	<u>HEALTH AND SAFETY FILE ADMINISTRATION</u>			
7/1/4	Health and Safety File including Covid 19		Item	
7/1/5	Health and Safety Administration implementation and maintenance on site including the copies of DSTI, Toolbox Talks, Checklist/Inspection/Internal Audits, Reports, Minutes of the Safety Committee Meetings, Printer/ photocopying machine & toner/ink/cartridges		Item	
	<u>OCCUPATIONAL HEALTH AND SAFETY TRAINING</u>			
7/1/6	Construction Health and Safety Supervision		Item	
7/1/7	Health and Safety Representative Training		Item	
7/1/8	First Aid Training		Item	
7/1/9	Fire Fighting Training		Item	
	Carried Forward		R	
	Section No. 7 Occupational Health & Safety Bill No. 1 Occupational Health and Safety Olympia Primary School			

	Brought Forward			R	
7/1/10	Incident Investigation / Incident Management		Item		
7/1/11	Hazard Identification Risk Assessment (HIRA)		Item		
7/1/12	Scaffolding / Fall Protection Plan		Item		
	<u>FIRST AID / EMERGENCY</u>				
7/1/13	First Aid box & refilling during the project		Item		
7/1/14	Airtime / Data (Communication)		Item		
7/1/15	Identification Signage		Item		
7/1/16	Rescue Equipment and Stretchers		Item		
	<u>FIRE PROTECTION</u>				
7/1/17	Fire Extinguishers	No	6		
7/1/18	Fire Extinguishers Maintenance		Item		
	<u>FLAMMABLE LIQUID STORAGE</u>				
7/1/19	Storage facilities (steel frame, lockable gate, drip trays)		Item		
7/1/20	Diesel Storage		Item		
	<u>SIGNAGE</u>				
7/1/21	Mandatory - Blue	No	5		
7/1/22	Information - Green	No	5		
7/1/23	Hazard Warning - Yellow	No	5		
7/1/24	Prohibition - Red	No	5		
	<u>ELECTRICAL - LOCKOUT</u>				
7/1/25	Logs		Item		
7/1/26	Tags		Item		
7/1/27	Permit books		Item		
	Carried Forward			R	
	Section No. 7 Occupational Health & Safety Bill No. 1 Occupational Health and Safety Olympia Primary School				

Brought Forward			R	
<u>PERSONAL PROTECTIVE EQUIPMENT (PRINCIPAL & SUB-CONTRACTOR)</u>				
7/1/28	Overalls with reflective stripe	Item		
7/1/29	Hard Hats	Item		
7/1/30	Steel-cap safety boots	Item		
7/1/31	Water boots	Item		
7/1/32	Rain coats	Item		
7/1/33	Safety goggles	Item		
<u>Hearing Protection</u>				
7/1/34	Ear plugs	Item		
7/1/35	Ear Muffs	Item		
<u>Respiratory Protection</u>				
7/1/36	Dust masks	Item		
7/1/37	Respirators	Item		
<u>Hand Protection</u>				
7/1/38	Safety Goggles	Item		
7/1/39	PVC Gloves	Item		
7/1/40	Leather Gloves	Item		
<u>Hot-work PPE</u>				
7/1/41	Leather Aprons	Item		
7/1/42	Leather Spats	Item		
<u>Face Shield</u>				
7/1/43	Welding Gloves	Item		
7/1/44	Welding Helmet	Item		
Carried Forward			R	
Section No. 7 Occupational Health & Safety Bill No. 1 Occupational Health and Safety Olympia Primary School				

Brought Forward			R
<u>Special Equipment</u>			
7/1/45	Working on heights including scaffolding and roof work	Item	
7/1/46	Machine guarding	Item	
7/1/47	Temporary storage of flammable liquids / hazardous chemical substances including diesel and petrol concrete floor/drip try/spillage containment (bund wall)	Item	
7/1/48	Commissioning safety precautions	Item	
<u>Specific Requirements of Covid 19 (Corona Virus)</u>			
7/1/49	Covid Screening Area & Covid Isolation Room	MNTHS	18
7/1/50	Infra-red Non Contact Thermometer	No	4
7/1/51	Covid 19 Compliance Officer	MNTHS	18
7/1/52	Face Shields	No	20
7/1/53	3Ply Face Cloth Masks	No	100
7/1/54	70% Alcohol hand sanitizer 5L	MNTHS	18
7/1/55	Sanitizer Stand	No	1
7/1/56	Hand Soap 10L	No	18
7/1/57	Multi purpose Cleaning Detergent 5L	MNTHS	18
7/1/58	Paper Towels - Box of 2000	MNTHS	18
7/1/59	Training on Covid 19 (Compliance Officer)	Item	
7/1/60	High Pressure Mobile Disinfection Kit (Mobile plants and vehicles)	No	2
7/1/61	Covid 19 Warning / Information Signs	No	8
<u>FALL PROTECTION / PREVENTION EQUIPMENT</u>			
7/1/62	Safety Harness with double lanyards	Item	
Carried Forward			R
Section No. 7 Occupational Health & Safety Bill No. 1 Occupational Health and Safety Olympia Primary School			

[illegible]

Section No	FINAL SUMMARY	Page No		Amount
1	Preliminaries	37		
2	Alterations (Provisional)	39		
3	Building Works	97		
4	External works	118		
5	Provisional sums	121		
6	Electrical Works	125		
7	Occupational Health & Safety	130		
	SUB-TOTAL (Excluding CPAP and Value Added Tax)		R	
	Allow the sum of R3 750.00 (Three Thousand Seven Hundred and Fifty Rand) per month for Community Liaison Officer		R	67 500.00
	Allow the sum of R2 400.00 (Two Thousand Four Hundred Rand) per month for Project Steering Committee (PSC)		R	43 200.00
	Allow the sum of R 3 000 000.00 (Three Million Rands) for Contract Price Adjustment Provision (CPAP)		R	3 000 000.00
	Allow the sum of R 6 000 000.00 (Six Million Rands) for Contingencies		R	6 000 000.00
	SUB-TOTAL excluding Value Added Tax (VAT)		R	
	ADD: Value Added Tax (VAT) calculated at the rate of 15%		R	
	Carried to Form of Tender		R	
	Olympia Primary School			