Item No		Quantity	Rate	Amount
	SECTION NO 1			
	BILL NO. 1			
	PRELIMINARIES			
	BUILDING AGREEMENT AND PRELIMINARIES			
	The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 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".			
	PRICING OF PRELIMINARIES			
	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			
	Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.			
	SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT			
	DEFINITIONS			
1/1/1	A1 DEFINITIONS AND INTERPRETATION			
	Clause 1.0 Clause			
	1.1 Definition of "Commencement Date" is added:			
	"COMMENCEMENT DATE" means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect			
	Carried Forward Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School		R	

		Brought Forward		R	
	Clause 1.1 Definition of "Co replacing it with the followin	nstruction Period" is amended by g:			
		" means the period commencing of the site is given to the contractor ractical completion			
	Clause 1.1 Definition of "Int with the following:	erest" is amended by replacing it			
	whether specifically indicate be the rate as determined b	est rates applicable on this contract, and in the relevant clauses or not, will by the Minister of Finance, from time 80(1)(b) of the Public Finance 180.1 of 1999)			
	interest rate as dete and Constitutional I terms of section 1(2	et owed by the employer, the employer, the employer, the employer of Justice Development, from time to time, in control of the Prescribed Rate of Interest 55 of 1975), will apply; and			
	interest rate as dete from time to time, ir	t owed to the employer , the ermined by the Minister of Finance, a terms of section 80(1)(b) of the agement Act, 1999 (Act No. 1 of			
	Clause 1.6.4 is amended by	replacing it with the following:			
	No clause Fixed:Value related: OBJECTIVE AND PREP	related:Time	Item		
1/1/2		NCE AND PERFORMANCE			
	Clause 2.0				
	Fixed:Value related:	related:Time	Item		
	Section No. 1	Carried Forward		R	
	Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary	y School			

	Brought Forward		R	
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:			
	Totalou	Item		
1/1/5	A5 EMPLOYERS 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		
	Carried Forward		R	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School			

	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 5(1) requiring the compilation of a health and safety plan, as well as Regulation 6(1) requiring the appointment of a construction supervisor			
	Fixed: Value related: Time related	Item		
1/1/8	A8 WORKS RISK			
	Clause 8.0			
	Fixed:Time related:Time	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:			
	Carried Forward		R	
	Section No. 1 Preliminaries			
	Bill No. 1 Preliminaries			
	Bloemfontein Oos Primary School			

	Brought Forward	R	
10.5	Damage to the Works		
(a)	Without in any way limiting the contractors obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary		
(b)	The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works		
(c)	The employer shall carry the risk of damage to or destruction of the works and material paid for by the employer that is the result of the excepted risks as set out in 10.6		
(d)	Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof		
10.6 I	Injury to Persons or loss of or damage to Properties		
(a)	The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable		
Prelin Bill No	Carried Forward on No. 1 minaries o. 1 minaries	R	
	mfontein Oos Primary School		

	Brought Forward	R	
(b)	The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site , whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable		
(c)	The contractor shall, upon receiving a contract instruction from the principal agent , cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor		
(d)	The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion		
(e)	Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall and will remain adequately insured or insured against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed		
(f)	The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works		
Section	Carried Forward on No. 1	R	
Bill No	ninaries o. 1 ninaries		
	mfontein Oos Primary School		

Brought Forward	R	
10.7 High risk insurance		
In the event of the project being executed in a geological area classified as a High Risk Area, that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:		
10.7.1 Damage to the works		
The contractor shall, from the commencement date of the works until the date of the certificate of practical completion bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary		
When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs		
10.7.2 Injury to persons or loss of or damage to property		
The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above		
The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site , whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract		
Carried Forward	R	
Section No. 1 Preliminaries		
Bill No. 1 Preliminaries		
Bloemfontein Oos Primary School		

	Brought Forward		R	
	10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractors obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works , submit to the employer proof of such insurance policy, if requested to do so			
	10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractors default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole			
	Fixed:Time related:Time	Item		
1/1/11	A11 LIABILITY INSURANCES			
	Clause 11.0			
	Fixed:Time related:Time	Item		
1/1/12	A12 EFFECTING INSURANCES			
	Clause 12.0			
	Fixed:Time related:Time	Item		
1/1/13	A13.0 No clause	N/A		
1/1/14	A14 SECURITY			
	Clause 14.0			
	Clauses 14.1 - 14.8 are amended by replacing them with the following:			
	Carried Forward Section No. 1 Preliminaries Bill No. 1		R	
	Preliminaries Bloemfontein Oos Primary School			

Brought Forward	R	
14.1 In respect of contracts with a contract sum up to R1 million, the security to be submitted by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)		
14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)		
14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employers entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor		
14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule . Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date . Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date , the security in terms of 14.7 shall be deemed to have been selected.		
14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:		
14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date		
14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor		
Carried Forward Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School	R	

Brought Forward	R	
14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor		
14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor		
14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employers entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor		
14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party		
14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:		
14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date		
14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender		
14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring		
14.4.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall issue a written demand in terms of the variable construction guarantee		
14.5 Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:		
Carried Forward Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School	R	
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Brought Forward	R	
14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT)		
14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of practical completion		
14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring		
14.5.4 The payment reduction of the value certified in a payment certificate shall be in terms of 31.8 (A) and 34.8		
14.5.5 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both		
14.6 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:		
14.6.1 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date		
14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor		
14.6.3 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)		
14.6.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both		
Carried Forward Section No. 1 Preliminaries Bill No. 1 Preliminaries	R	
Bloemfontein Oos Primary School		

	Brought Forward		R	
	14.7 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:			
	14.7.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(B)			
	14.7.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employers entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the contractor			
	14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement			
	14.9 Should the contractor fail to furnish the security in terms of 14.2, the employer , in his sole discretion and without notification to the contractor , is entitled to change the contractors selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), whereafter 14.7 shall be applicable			
	Fixed: Value related: Time related:	Item		
	EXECUTION			
/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), within twenty-one (21) calendar days of commencement date			
	Carried Forward		R	
	Section No. 1 Preliminaries			
	Bill No. 1 Preliminaries			
	Bloemfontein Oos Primary School			

	Brought Forward		R	
	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:Time related:Time	Item		
1/1/19	A19 ASSIGNMENT			
	Clause 19.0			
	Fixed:Time related:Time	Item		
	Totalou	itom		
	Carried Forward Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School		R	

	Brought Forward		R	
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:Time 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 EMPLOYERS DIRECT CONTRACTORS			
	Clause 22.0			
	Fixed: Value related: Time related:	Item		
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School		R	

	Brought Forward		R	
1/1/23	A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS			
	Clause 23.0			
	Fixed: Value related: Time related:	Item		
	COMPLETION			
1/1/24	A24 PRACTICAL COMPLETION			
	Clause 24.0			
	Fixed:Time related:Time related:	Item		
1/1/25	A25 WORK'S COMPLETION			
	Clause 25.0			
	Fixed:Time 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		
	Carried Forward Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School		R	

	Brought Forward		R	
1/1/28	A28 SECTIONAL COMPLETION			
	Clause 28.0			
	Fixed: Value related: Time related:	Item		
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		
	PAYMENT			
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			
	Carried Forward Section No. 1 Preliminaries Bill No. 1 Preliminaries Ricemfontoin Oce Primary School		R	
	Bloemfontein Oos Primary School			

Brought Forward	R	
31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion		
31.8(A).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6		
31.8(A).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer . In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate		
Alternative B		
31.8(B) Where security is a payment reduction in terms of 14.7 the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:		
31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion		
31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion		
31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6		
31.8(B).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer . In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate		
31.9 is amended by replacing "twenty-one (21) calender days" with thirty (30) calender days		
Carried Forward Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School	R	

	Brought Forward		R	
	Clause 31.12 is amended by deleting the following:			
	Payment shall be subject to the employer giving the contractor a tax invoice for the amount due			
	Fixed: Value related: Time related:			
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 contractors failure or neglect to commence with the works on the dates prescribed in the contract			
	33.2.10 the contractors failure or neglect to proceed with the works in terms of the contract			
	33.2.11 the contractors failure or neglect for any reason to complete the works in accordance with the contract			
	33.2.12 the contractors refusal or neglect to comply strictly with any of the conditions of contract or any contract instructions and/or orders in writing given in terms of the contract			
	Section No. 1 Preliminaries Bill No. 1 Preliminaries		R	
	Bloemfontein Oos Primary School			

	Brought Forward		R	
	33.2.13 the contractors estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa			
	Fixed: Value related: Time related:	Item		
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:			
	Terated	Item		
1/1/35	A35 PAYMENT TO OTHER PARTIES			
	Clause 35.0			
	Fixed: Value related: Time related:	Item		
	CANCELLATION			
	A36 CANCELLATION BY EMPLOYER - CONTRACTORS 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:			
	Carried Forward Section No. 1		R	
	Preliminaries Bill No. 1			
	Preliminaries			
	Bloemfontein Oos Primary School			

	Brought Forward		R	
	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		
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 - EMPLOYERS DEFAULT Clause 38.0			
	Clause 38.0 is amended by the addition of the following clause:			
	Carried Forward		R	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School			

	Brought Forward		R	
	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		
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		
	Carried Forward Section No. 1		R	
	Preliminaries Bill No. 1			
	Preliminaries Bloemfontein Oos Primary School			

	Brought Forward		R	
	SUBSTITUTE PROVISIONS			
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		
	THE SCHEDULE			
	Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder			
1/1/42	Pre-tender information (clause 42)			
	Fixed: Value related: Time related:	Item		
1/1/43	Clause 42.0			
	Tenderers are referred to document C1.2: Contract Data for variables pertaining to this contract			
	Fixed: Value related: Time related:	Item		
	Carried Forward		R	
	Section No. 1 Preliminaries			
	Bill No. 1 Preliminaries			
	Bloemfontein Oos Primary School			

	Brought Forward		R	
	SECTION B: JBCC PRELIMINARIES			
	DEFINITIONS AND INTERPRETATION			
1/1/44	Definitions and interpretation			
	Fixed: Value related: Time related:	Item		
	DOCUMENTS			
1/1/45	Checking of documents			
	Fixed: Value related: Time related:			
		Item		
1/1/46	Provisional bills of quantities			
	Fixed: Value related: Time related:	N/A		
1/1/47	Availability of construction documentation			
	Fixed: Value related: Time related:	Item		
1/1/48	Interests of agents			
	Fixed: Value related: Time related:	Item		
1/1/49	Priced documents			
	Fixed: Value related: Time related:	Item		
1/1/50	Tender submission			
	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 Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School		R	

	Brought Forward		R	
	THE SITE			
1/1/51	Defined works area			
	Fixed: Value related: Time related:	Item		
1/1/52	Geotechnical investigation			
	Fixed: Value related: Time related:	Item		
1/1/53	Inspection of the site			
	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	Existing premises occupied			
	Fixed: Value related: Time related:	Item		
1/1/55	Previous work dimensional accuracy			
	Fixed: Value related: Time related:	N/A		
1/1/56	Previous work defects			
	Fixed: Value related: Time related:	Item		
1/1/57	Services known			
	Fixed: Value related: Time related:	Item		
1/1/58	Services unknown			
	Fixed: Time related: Time related:	Item		
	Carried Forward		R	
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School		K	

			Brought Forward		R	
1/1/59	Protection of trees					
	Fixed:related:	_Value related:	Time	Item		
1/1/60	Articles of value					
	Fixed:related:	_ Value related:	Time	Item		
1/1/61	Inspection of adjoin	ning properties				
	Fixed:related:	_Value related:	Time	Item		
	MANAGEMENT O	F CONTRACT				
1/1/62	Management of the	works				
	Fixed:related:	_Value related:	Time	Item		
1/1/63	Programme for the	works				
	Fixed:related:	_ Value related:	Time	Item		
1/1/64	Progress meetings					
	Fixed:related:	_Value related:	Time	Item		
1/1/65	Technical meetings	5				
	Fixed:related:	_ Value related: 	Time	Item		
1/1/66	Labour and plant re	ecords				
	Fixed:related:	_Value related: 	Time	Item		
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos I	Primary School	Carried Forward		R	

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

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

		В	rought Forward		R	
	ATTENDANCE ON N/S	SUBCONTRACTO	ORS			
1/1/82	General attendance					
	The schedule rates provide subcontractors and other contractors, will be adjust changed Fixed:Value.	er sted only if the scope of	of the work has			
4 /4 /02	related:			Item		
1/1/83	Special attendance Fixed:Value related:	ue related:	Time	Item		
1/1/84	Commissioning fuel, w	•	Time			
	related:Vall		Time	Item		
1/1/85	Statutory taxes, duties a	•				
	Fixed:Value	ue related:	Time	Item		
1/1/86	Payment for preliminari	es				
	Fixed:Value	ue related:	Time	Item		
1/1/87						
	Fixed:Value	ue related:	Time	Item		
1/1/88	Payment certificate cas	h flow				
	Fixed:Value	ue related:	Time	Item		
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Prima		Carried Forward		R	

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

	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		
	SCHEDULE OF VARIABLES			
1/1/101	Pre-tender information			
	Fixed: Value related: Time related:	Item		
	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			
	[2.2] The quantities are provisional NO			
	Carried Forward Section No. 1 Preliminaries Bill No. 1		R	
	Preliminaries Bloemfontein Oos Primary School			

Brought For	ward	R	
12.1.2 Availability of construction documentation [2.3] Construction of documentation is complete	YES		
12.1.3 <i>Interest of agents</i> [2.4] Details: None			
12.1.4 Defined works area [3.1] Details: Restrictions will be pointed out at the site inspection			
12.1.5 Geotechnical investigation [3.2] Details: N/A			
12.1.6 Existing premises occupied [3.4] Specific requirements: N/A			
12.1.7 <i>Previous work - dimensional accuracy</i> [3.5] Details:			
12.1.8 <i>Previous work - defects</i> [3.6} Details:			
12.19. Services - known [3.7] Details: Existing services and points of connection be pointed out on site by the principal agent	will		
12.1.10 <i>Protection of trees</i> [3.9] Specific requirements:			
12.1.11 <i>Inspection of adjoining properties</i> [3.11] Specific requirements:			
12.1.12 <i>Enclosure of the works</i> [6.2] Specific requirements:			
Carried Ford Section No. 1 Preliminaries Bill No. 1 Preliminaries	ward	R	
Bloemfontein Oos Primary School			

R	
	R

		Bro	ught Forward		R	
1	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			
1	12.1.18	Telecommunications				
	[7.4]	Telephone	YES			
		Facsimile	YES			
		E-mail				
			YES			
	12.1.19 [7 <i>.5</i>]	Ablution facilities Option A (by contractor)				
'	,		YES			
		Option B (by employer)	NO			
		Protection of existing/sectionally occu	pied works			
	[11.2]	Protection is required	YES			
				Item		
		Special attendance N/A				
	[9.2]	N/A				
		Protection of works Specific requirements:				
		Disturbance				
	[11.5]	Specific requirements: The contractor shall keep the site, structu	res, etc well			
		watered during operations to prevent dus provide and erect and remove on comple				
		works all necessary temporary dust screes satisfaction of the principal agent				
I		Environmental disturbance Specific requirements:				
'	,					
		_				
I	Section	No. 1	rried Forward		R	
	Prelimir Bill No.					
F	Prelimi	naries				
E	Bloemi	fontein Oos Primary School				

		Brought Forward	R	
12.2	POST-TENDER INFORMATION			
12.2.1 [10.2]		YES/NO		
	Option B (calculates)	YES/NO		
12.2.2 [10.3]	Adjustment of preliminaries Option A (three categories)	VE2 #10		
	Option B (detailed breakdown)	YES/NO YES/NO		
12.2.3	Additional agreed preliminaries its Details:	ems		
Section Prelimi Bill No.	naries 1	Carried Forward	R	
Prelimi	naries fontein Oos Primary School			

	Brought Forward		R		
	SECTION C: SPECIFIC PRELIMINARIES				
	Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item				
1/1/103	C1 CONTRACT DRAWINGS				
	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed				
	Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent				
	Fixed: Value related: Time related:	Item			
1/1/104	C2 MODEL PREAMBLES FOR TRADES PREAMBLES				
	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				
	Fixed: Value related: Time related:	Item			
	Section No. 1 Preliminaries Bill No. 1 Preliminaries Bloemfontein Oos Primary School		R		

	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 tenderers attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders			
	If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for			
	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		
	Carried to Final Summary		R	
	Section No. 1 Preliminaries			<u> </u>
	Bill No. 1 Preliminaries			
	Bloemfontein Oos Primary School			

	Quantity	Rate	Amour
SECTION NO. 2			
BILL NO.1			
DEMOLITIONS AND ALTERATIONS (PROVISIONAL)			
NOTE			
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.			
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.			
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.	S		
The Employer shall retain the right of ownership of materials			
arising from demolitions.	The state of the s		
arising from demolitions. 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 no 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	t		
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 no to be removed during the progress of the works and also to any fittings, etc., and is to leave all perfect and watertight on	t		
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 no to be removed during the progress of the works and also to any fittings, etc., and is to leave all perfect and watertight on	t,	R	

	Brought Forward			R	
	SUPPLEMENTARY PREAMBLES				
	NOTE: The Tenderer is referred to the relevant Clause in the seperate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.				
	TEMPORARY BARRIERS, SCREENS, ETC				
	Temporary barriers, screens, etc including removal				
2/1/1	Corrugated iron sheet barrier 3000mm high formed of timber rails and studs covered on one side	m	300		
	REMOVAL OF EXISTING WORK				
	Breaking up and removing mass concrete				
2/1/2	Concrete slab, walkways, etc and carting off materials	m2			RATE ONLY
	Breaking down and removing brickwork including plaster or face brick finishes, etc				
2/1/3	Half brick wall	m2			RATE ONLY
2/1/4	One brick wall	m2			RATE ONLY
2/1/5	Labour in forming toothings to existing half brick walls in preparation for bonding to new brick walls	m			RATE ONLY
	Breaking through existing reinforced concrete slab to form openings etc, including disposal of materials thereof				
2/1/6	110 mm thick slab	m2			RATE ONLY
	Taking out and removing paving, etc and preparing surfaces for new surface beds.				
2/1/7	Clearing off the site to be built upon including removing 60 mm thick road blocks, stripping average 150 mm thick layer of top soil and stockpiling on site.	m2			RATE ONLY
	Carried Forward Section No. 2			R	
	Alterations (Provisional) Bill No. 1 Alterations Bloemfontein Oos Primary School				

	Brought Forward		F	2
	Taking out and removing doors, windows, etc including thresholds, sills, etc		'	
2/1/8	Steel door frame to suit door size 813 x 2032mm high from one brick walls to be retained	No		RATE ONLY
2/1/9	Timber single door overall size 813 x 2032 mm high overall from steel door frame	No		RATE ONLY
2/1/10	Steel window frame not exceeding 5 m2 in area	No		RATE ONLY
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc			
2/1/11	Corrugated iron roof covering	m2		RATE ONLY
2/1/12	Gypsum plasterboard ceilings including cornices, timber brandering, etc	m2		RATE ONLY
	Taking out and removing sundry joinery work			
2/1/13	10 x 225 mm fibre cement fascia board	m		RATE ONLY
	Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc			
2/1/14	40 mm Granolithic from floors	m2		RATE ONLY
	Hacking up/off and removing ceramic wall tiles, etc and preparing surfaces for new finishes (elsewhere measured)			
2/1/15	150 x 150 mm Ceramic wall tiles	m2		RATE ONLY
	Hack off and cart away existing floor finish and associated screed from reinforced concrete slabs including brushing off clean with wire brush and water and prepare surface to receive new screed and finish (elsewhere measured)			
2/1/16	Existing quarry floor tiling including associated skirting and hacking off screed and preparing surface to receive new work	m2		RATE ONLY
	Section No. 2 Alterations (Provisional) Bill No. 1 Alterations Bloemfontein Oos Primary School		F	

	Brought Forward		R	
	Taking up and removing vinyl floor coverings, carpeting, etc			
2/1/17	Vinyl tile floor covering including preparing screed for new vinyl floor covering	m2		RATE ONLY
	Taking out and removing door handles, window handles, stays, etc			
2/1/18	Mortice lock and striking plate from timber door	No		RATE ONLY
2/1/19	Damaged window stay, window lock, fan light catch.	No		RATE ONLY
	Taking out sundry ironmongery.			
2/1/20	Remove general signage not exceeding 300 x 300 mm extreme from walls, partitions etc	No		RATE ONLY
2/1/21	Remove broken mirror overall size 450 x 600 mm high, screw fixed to brick walls including making good affected areas	No		RATE ONLY
2/1/22	Chalkboards plugged to wall.	No		RATE ONLY
2/1/23	Pinning board.	m2		RATE ONLY
	Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces by applying approved bonding agent for new screeds, plaster, etc			
2/1/24	Floor screeds including preparation of surfaces for new floor finish (elsewhere measured)	m2		RATE ONLY
	Taking out and remove moveable cupboard fittings			
2/1/25	Shelving.	m		RATE ONLY
	Taking out/off and removing sundry metalwork.			
2/1/26	Steel security gate and frame 1 650 x 2 100 mm high bolted to brickwork and making good face/plastered brickwork	No		RATE ONLY
	Section No. 2 Alterations (Provisional) Bill No. 1 Alterations Bloemfontein Oos Primary School		R	

	Brought Forward		R	
	Taking out/off and remove broken window panes			
2/1/27	4 mm clear/obscure sheet glass including scrapping off existing putty and making good surface to receive new glazing panes (elsewhere measured)	m2		RATE ONLY
	Taking out and removing piping, rainwater disposal, etc.			
2/1/28	125 x 125mm eaves gutter	m		RATE ONLY
2/1/29	125 x 125mm rainwater pipe	m		RATE ONLY
	REPAIRING CRACKS TO CONCRETE FLOOR			
2/1/30	Hack out and remove plaster along cracks and repair cracks on walls	m		RATE ONLY
2/1/31	Create a vee notch in the concrete approximately 50mm wide over the crack using a hammer and chisel or other small power tools and clear all debris, loose concrete and dust, prime the surface with approved concrete primer and fill the vee notch with epoxy mortar "silka mono top 615HB or similar approved	m		RATE ONLY
	NEW ITEMS			
2/1/32	Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m fixed to timber purlins.	m2		RATE ONLY
	Solid meranti doors hung to steel frames			
2/1/33	PD60 Swartland blue 40 x 813 x 2 032mm Framed, and vertically slatted door.	No		RATE ONLY
	Ceilings			
2/1/34	Ceilings including 38 x 38mm sawn softwood brandering at 600mm centres	m2		RATE ONLY
2/1/35	Extra over ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No		RATE ONLY
2/1/36	50mm Insulation closely fitted and laid on top of brandering between roof timbers, etc, all as per manufacturers instructions	m2		RATE ONLY
2/1/37	75 polystyrene cove cornice	m		RATE ONLY
	Section No. 2 Alterations (Provisional) Bill No. 1 Alterations Bloemfontein Oos Primary School		R	

	Brought Forward		R	
	Floor coverings			
2/1/38	Polyflor 2.0mm thick vinyl floor tiles	m2		RATE ONLY
	Plastering			
2/1/39	40mm Thick granolithic floors	m2		RATE ONLY
2/1/40	38mm Thick on floors to receive vinyl tiles	m2		RATE ONLY
	Painting			
2/1/41	On internal plastered walls	m2		RATE ONLY
2/1/42	On external plastered walls	m2		RATE ONLY
2/1/43	On ceilings and cornices	m2		RATE ONLY
2/1/44	On door frames	m2		RATE ONLY
2/1/45	On steel window frames including edges of opening lights (both sides measured)	m2		RATE ONLY
2/1/46	Enamel on rails, etc not exceeding 300 mm girth	m		RATE ONLY
2/1/47	Varnish on doors	m2		RATE ONLY
	Carried to Final Summary Section No. 2 Alterations (Provisional) Bill No. 1 Alterations Bloemfontein Oos Primary School		R	

	Quantity	Rate	Amoun
SECTION NO. 3			
BILL NO. 1			
FOUNDATIONS (PROVISIONAL)			
SUPPLEMENTARY PREAMBLES			
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 seperate 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.			
Nature of ground			
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.			
SUPPLEMANTARY PREAMBLES			
<u>Preambles</u>			
The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.			
Properietary Products in Descriptions			
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			
Carried Forward Section No. 3 Building Works Bill No. 1		R	
Foundations (Provisional) Bloemfontein Oos Primary School			

	T		
	Brought Forward	R	
Nat	ture of Material To Be Excavated		
of a	e material to be excavated is assumed to be predominantly a composition that will allow excavation in "earth" as ecified, but including a percentage of excavation in "soft k" and "hard rock"		
Ca	rting Away of Excavated Material		
dee	scriptions of carting away of excavated material shall be emed to include loading excavated material onto trucks ectly from the excavations, or alternatively, from stock piles lated on the building site		
De	nsity Testing On Filling		
	tes for filling, etc. shall include for all density and soil type ting to prove that the specified compaction is achieved		
Age	nen additional testing is done on instruction of the Principal ent and these tests are successful, they will be paid for ditionally		
soil with squ acc app	il poisoning shall be conducted with an approved registered poisoning material of the chlordane or aldrin type mixed water and then applied at a rate of not less than 5 litres per ware metre. The concentration of the solution shall be in cordance with the manufacturer's instructions, to the proval of the Principal Agent and/or Civil Engineer and dertaken under such supervision.		
Bui Bill Fou	Carried Forward ction No. 3 ilding Works No. 1 undations (Provisional) pemfontein Oos Primary School	R	

	Brought Forward			R	
	Brought Forward			ĸ	
	Carting away of excavated material				
	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.				
	EXCAVATION, FILLING, ETC				
	Excavation in earth not exceeding 2m deep				
3/1/1	Trenches, holes, etc.	m3	502		
	Extra over excavation in earth for excavation in				
3/1/2	Soft rock	m3	50		
3/1/3	Hard rock	m3	36		
	Extra over all excavations for carting away				
3/1/4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	398		
	Risk of collapse of excavations				
3/1/5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	1 330		
	Keeping excavations free of water				
3/1/6	Keeping excavations free of all water other than subterranean water		Item		
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density				
3/1/7	Backfilling to trenches, holes, etc	m3	304		
	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				
3/1/8	Under floors, steps, pavings, etc	m3	545		
	Carried Forward Section No. 3 Building Works Bill No. 1			R	
	Foundations (Provisional) Bloemfontein Oos Primary School				

	Brought Forward			R	
	Compaction of surfaces				
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	2 044		
	Soil insecticide				
3/1/10	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	2 044		
3/1/11	To bottoms and sides of trenches etc	m2	1 558		
	Insulation				
3/1/12	50mm Lambdaboard laminated Polyisocyanurate core board installed in strict accordance with manufacturer's specifications	m	807		
	UNREINFORCED CONCRETE				
	10MPa/19mm concrete				
3/1/13	50mm Thick surface blinding under footings	m3	20		
	25MPa/19mm concrete				
3/1/14	Strip footings	m3	87		
	TEST BLOCKS				
3/1/15	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	60		
	MASONRY (CPAP Work Group No. 118)				
	BRICKWORK				
	Brickwork of NFP bricks in class II mortar				
3/1/16	One brick walls	m2	779		
	FACE BRICKWORK				
	Carried Forward Section No. 3 Building Works Bill No. 1 Foundations (Provisional) Bloemfontein Oos Primary School			R	

	I				 	
	Brought Forward			R		
	External facings (PC R5 000,00/1000 delivered on site) pointed with recessed horizontal and vertical joints					
3/1/17	Extra over brickwork for face brickwork in foundations	m2	446			
	BRICKWORK SUNDRIES					
	Brickwork reinforcement					
3/1/18	150mm Wide reinforcement built in horizontally	m	3 491			
						_
	Carried Forward to Summary of Section No. 3 Section No. 3			R		_
	Building Works Bill No. 1					
	Foundations (Provisional) Bloemfontein Oos Primary School					

	Quantity	Rate	Amount
SECTION NO. 3			
BILL NO. 2			
CONCRETE, FORMWORK AND REINFORCEMENT			
PREAMBLES			
NOTE: The Tenderer is referred to the relevant Clauseperate document "Model Preambles for Trades" (2 Edition) and to the Supplementary Preambles which incorporated hereunder.	2008		
Items, materials or methods to be used specified by names or catalogue numbers are only an indication of quality required. Items, materials or methods of similar may be used with prior approval from the Principal A	of the ar quality		
SUPPLEMENTARY PREAMBLES			
NOTE: Unless otherwise stated all the items in this b deemed to fall into Work Group No. 110 for Haylett F purposes.			
Cost of tests			
The costs of making, storing and testing of concrete as required under clause 7 "Tests" of SABS 1200 G include the cost of providing cube moulds necessary purpose, for testing costs and for submitting reports tests to the architect. The testing shall be undertake independent firm or institution nominated by the cont the approval of the architect. (Test cubes are measure separately)	shall for the on the n by an ractor to		
Breeze concrete shall consist of twelve parts clean d ash, free from coal or other foreign matter, to one pa (12:1), the ash graded up to particles which will pass ring from a minimum which fails to pass a 4,75mm m finer materials from the screening are to be first mixed cement into a mortar and the ash added afterwards a thoroughly incorporated	rt cement a 16,5mm nesh. The ed with the		
Carrie Section No. 3 Building Works	ed Forward	R	
Bill No. 2 Concrete, Formwork and Reinforcement Bloemfontein Oos Primary School			

Brought Forward			R	
"Foamcement " lightweight concrete				
"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				
"Celbeton" lightweight concrete				
"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				
<u>Formwork</u>				
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				
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.				
Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described				
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"				
UNREINFORCED CONCRETE				
25MPa/19mm concrete				
Aprons cast in panels	m3	40		
REINFORCED CONCRETE				
Carried Forward			R	
Section No. 3 Building Works Bill No. 2 Concrete, Formwork and Reinforcement Bloemfontein Oos Primary School				

	Brought Forward			R	
	25MPa/19mm concrete				
3/2/2	Surface beds on waterproofing	m3	173		
	TEST BLOCKS				
3/2/3	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	29		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
3/2/4	Surface beds, slabs, etc	m2	2 044		
3/2/5	Ramps, aprons, etc. to falls	m2	209		
	FORMWORK				
3/2/6	30mm thick cavity insulation all as per manufacturers instructions	m2	619		
	Rough formwork to sides				
3/2/7	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	220		
3/2/8	To slab opening not exceeding 2m girth.	No	6		
3/2/9	Slab propped up not exceeding 1,5m high.	m2	25		
	MOVEMENT JOINTS ETC (PROVISIONAL)				
3/2/10	10mm Isolation Joints not exceeding 300mm high	m	692		
	REINFORCEMENT (PROVISIONAL)				
	Mild and high yield steel reinforcement to concrete as described including all bending, hooked ends, binding wire and temporary supports				
3/2/11	High yield bar reinforcement Y10	t	3.00		
3/2/12	High yield bar reinforcement Y12	t	2.00		
	Carried Forward Section No. 3 Building Works Bill No. 2 Congreta Formwork and Beinforcement			R	
	Concrete, Formwork and Reinforcement Bloemfontein Oos Primary School				

	Brought Forward			R	
	Fabric reinforcement				
3/2/13	Type 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	2 044		
	Carried Forward to Summary of Section No. 3 Section No. 3			R	
	Building Works Bill No. 2 Concrete, Formwork and Reinforcement				
	Bloemfontein Oos Primary School				

	Quantity	Rate	Amount
SECTION NO. 3			
BILL NO. 3			
MASONRY			
SUPPLEMENTARY PREAMBLES			
NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 118 for Haylett Formula purposes.			
NOTE: The Tenderer is referred to the relevant Clause in the seperate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
BRICKWORK			
Sizes in descriptions			
Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
Hollow walls etc			
Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.			
Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproofing coating.			
User note:			
The above preamble generally applies for works in hot and humid coastal areas			
Face bricks			
Bricks shall be ordered timeously to obtain uniformity in size and colour			
Carried Forward		R	
Section No. 3 Building Works Bill No. 3			
Masonry Bloemfontein Oos Primary School			

	Brought Forward			R	
	Pointing				
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc				
	SUPERSTRUCTURE				
	Brickwork of NFX bricks (14 Mpa nominal compressive strength) in class I mortar				
3/3/1	Piers	m3	23		
3/3/2	Half brick wall	m2	173		
3/3/3	Half brick wall in beamfilling.	m2	172		
3/3/4	One brick walls	m2	1 842		
3/3/5	270mm Hollow wall of two half brick skins including wire ties	m2	719		
	BRICKWORK SUNDRIES				
	Movement Joints				
3/3/6	10mm 'Jointex' expansion joint built in vertically between brick walls	m2	91		
3/3/7	Movement joint formed of 20mm softboard built in vertically between brick wall and concrete	m	82		
	Brickwork reinforcement				
3/3/8	Brick reinforcement 75mm wide built into brick walls with sufficient laps at end joints, angles and intersections (measured nett).	m	562		
3/3/9	150mm Wide reinforcement built in horizontally	m	5 127		
	Prestressed fabricated lintels				
3/3/10	220 x 75mm Lintels in lengths not exceeding 3m	m	136		
	Turning pieces				
3/3/11	220mm Wide turning piece to lintels etc	m	113		
	Carried Forward Section No. 3 Building Works Bill No. 3			R	
	Masonry Bloemfontein Oos Primary School				

	Brought Forward			R	
	AIR BRICKS				
	Air bricks etc. (Provisional)				
3/3/12	229 x 152mm Terra-cotta vermin proof air bricks with gauze backing and building into opening in brickwork in cement mortar	No	20		
	FACE BRICKWORK				
	External facings (PC R5 000,00/1000 delivered on site) pointed with recessed horizontal and vertical joints				
3/3/13	Extra over brickwork for face brickwork and pointing in stretcher bond	m2	998		
3/3/14	Half brickwall facing both sides.	m2	356		
3/3/15	Face brick-on-edge coping on top of one brick wall in cement mortar and pointing on top and both sides	m	445		
3/3/16	Brick-on-edge header course sill set sloping and slightly projecting pointed on all exposed faces	m	245		
	Carried Forward to Summary of Section No. 3			R	
	Section No. 3 Building Works Bill No. 3				
	Masonry Bloemfontein Oos Primary School				

	Quantity	Rate	Amoun
SECTION NO. 3			
BILL NO. 4			
WATERPROOFING			
PREAMBLES			
PREAMBLES: The Tenderer is referred to the relevant Clause in the seperate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder. 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. NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 120 for Haylett Formula			
purposes. SUPPLEMENTARY PREAMBLES			
Preambles			
Properietary Products in Descriptions			
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			
NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 120 for Haylett Formula purposes.			
Waterproofing			
Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs			
Carried Forward		R	
Section No. 3 Building Works Bill No. 4			
Waterproofing Bloemfontein Oos Primary School			

	Brought Forward			R	
	DAMP-PROOFING OF WALLS AND FLOORS				
	One layer of 375 micron embossed damp proof course				
3/4/1	On foundation walls	m2	224		
3/4/2	On walls, stepped up in cavities, under cills, around door frames etc.	m2	76		
	One layer of 250 micron waterproof sheeting sealed at laps with approved tape				
3/4/3	Under surface beds	m2	2 044		
	Carried Forward to Summary of Section No. 3 Section No. 3			R	
	Building Works Bill No. 4 Waterproofing Bloemfontein Oos Primary School				

	Quantity	Rate	Amount
SECTION NO. 3			
BILL NO. 5			
ROOF COVERINGS ETC			
PREAMBLES			
PREAMBLES: The Tenderer is referred to the relevant Clause in the seperate 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. 124 for Haylett Formula purposes.			
SUPPLEMENTARY PREAMBLES			
<u>Preambles</u>			
The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.			
Properietary Products in Descriptions			
Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent			
<u>Fixing</u>			
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			
Carried Forward Section No. 3 Building Works Bill No. 5		R	
Roof Coverings, etc Bloemfontein Oos Primary School			

Brought Forward	R	
Guarantee		
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.		
Natar		
Notes:		
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		
All holes through profiled metal sheeting are to be drilled		
NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 124 for Haylett Formula purposes.		
NOTE: The Tenderer is referred to the relevant Clause in the seperate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.		
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 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 Section No. 3 Building Works Bill No. 5 Roof Coverings, etc	R	
Bloemfontein Oos Primary School		

	Brought Forward			R	
	PROFILED METAL SHEETING AND ACCESSORIES				
	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 EPPPDM seal self drilling type 17 drill point all in accordance with the manufacturer's specification				
3/5/1	Roof covering with pitch not exceeding 17 degrees, in transportable lengths not exceeding 20m fixed to timber purlins.	m2	2 050		
3/5/2	1,2mm thick Ridge Capping	m	200		
3/5/3	Valley	m	200		
3/5/4	Valley closer	m	200		
3/5/5	Extra for rolled edge at verges	m	200		
3/5/6	Broad flute closer	m	200		
3/5/7	Eaves fillers	m	240		
	Carried Forward to Summary of Section No. 3 Section No. 3 Building Works			R	
	Bill No. 5 Roof Coverings, etc Bloemfontein Oos Primary School				

	Quantity	Rate	Amoun
SECTION NO. 3			
BILL NO. 6			
CARPENTRY AND JOINERY			
SUPPLEMENTARY PREAMBLES			
Preambles			
The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.			
Properietary Products in Descriptions			
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			
NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 126 for Haylett Formula purposes.			
NOTE: The Tenderer is referred to the relevant Clause in the seperate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
Particle board:			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
Joinery:			
Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
Carried Forward Section No. 3		R	
Building Works Bill No. 6			
Carpentry and Joinery Bloemfontein Oos Primary School			

Brought Forward	R	
Fixing		
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete		
Decorative laminate finish:		
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish		
Roof trusses, etc.		
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.		
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 manufacturers instructions		
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		
The design shall include for all live loads, wind loads and for dead loads imposed by roof covering, purlins, ceilings, etc		
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		
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		
Roof trusses and bracing shall include design and preparation of shop drawings		
Section No. 3 Building Works Bill No. 6	R	
Carpentry and Joinery Bloemfontein Oos Primary School		

Brought Forward	R	
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.		
PLATE NAILED PREFABRICATED ROOF TRUSSES		
The following is applicable in respect with roof trusses: 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.		
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.		
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.		
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. Carried Forward Section No. 3 Building Works Bill No. 6 Carpentry and Joinery	R	

	Brought Forward			R	
	e) The tenderer's attention is drawn to the fact that the detail drawings represent only the overall size and bearing points of the trusses and not the required design.				
	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.				
	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.				
3/6/1	Roof construction to double pitched roof with two gable ends, 16560 x 14122mm and 1550mm high overall with 800mm overhang on both sides including trusses and permanent bracing (wall plates, purlins, battens, etc. elsewhere) (take specific note of cantilever details at walkway) (Provisional)	No	1		
3/6/2	Roof construction to double pitched roof with two gable ends, 18830 x 12442mm and 1250mm high overall with 800mm overhang on both sides including trusses and permanent bracing (wall plates, purlins, battens, etc. elsewhere) (take specific note of cantilever details at walkway) (Provisional)	No	1		
3/6/3	Roof construction to double pitched roof with two gable ends, 22748 x 12442mm and 1250mm high overall with 800mm overhang on both sides including trusses and permanent bracing (wall plates, purlins, battens, etc. elsewhere) (take specific note of cantilever details at walkway) (Provisional)	No	1		
3/6/4	Roof construction to double pitched roof with two gable ends, 22878 x 11244mm and 1850mm high overall with 800mm overhang on both sides including trusses and permanent bracing (wall plates, purlins, battens, etc. elsewhere) (take specific note of cantilever details at walkway) (Provisional)	No	1		
3/6/5	Roof construction to double pitched roof with two gable ends, 25079 x 10122mm and 1550mm high overall with 800mm overhang on both sides including trusses and permanent bracing (wall plates, purlins, battens, etc. elsewhere) (take specific note of cantilever details at walkway) (Provisional)	No	1		
	Carried Forward Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Bloemfontein Oos Primary School			R	

	Brought Forward			R	
3/6/6	Roof construction to double pitched roof with two gable ends, 29120 x 10122mm and 1550mm high overall with 800mm overhang on both sides including trusses and permanent bracing (wall plates, purlins, battens, etc. elsewhere) (take specific note of cantilever details at walkway) (Provisional)	No	3		
	SUNDRY ROOF TIMBERS				
	Sawn Softwood (Grade 4)				
3/6/7	38 x 76mm runners	m	781		
3/6/8	38 x 114mm Wall plates	m	290		
3/6/9	76 x 50mm Purlins	m	1 054		
3/6/10	76 x 50mm Splayed purlins	m	310		
	Roof Sundries				
3/6/11	"Hurricane clip between truss and windbracing (Provisional)	No	554		
3/6/12	"Hurricane clip between truss and purlins (Provisional)	No	956		
	SKIRTINGS:				
	Wrought Meranti:				
3/6/13	19 x 76mm Meranti hardwood skirting nailed to walls with heads of nails punched and filled including 25mm quarter round fitted to bottom edge.	m	621		
	DOORS, ETC				
	NOTE:				
	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 egdes of stiles and where the tennon is wedged to form form a dovetail shape.				
	Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Bloemfontein Oos Primary School			R	

	Brought Forward			R
	Meranti doors hung to timber frames			
3/6/14	40mm x 813x 2 032mm horizontal grooved heavy duty hardwood door with exposed edges door sanded down. Ref D01	No	23	
3/6/15	Hardwood double door size 40 x 1 520 x 2 060mm Framed and sanded down. Ref D05	No	2	
3/6/16	40mm x 1 000 x 2 100mm horizontal grooved heavy duty hardwood door with exposed edges door sanded down. Ref D03	No	2	
	Semi solid timer doors with commercial veneer suitable for and hung to timber frame			
3/6/17	40 x 813 x 2 032mm	No	20	
3/6/18	40 x 936 x 2 032mm	No	6	
	70 x 90mm Meranti timber door frame			
3/6/19	Meranti door frame size, 900 x 2 100mm high	No	22	
3/6/20	Meranti door frame size 936 x 2 032mm	No	6	
3/6/21	Meranti door frame size 1 600 x 2 100mm high	No	2	
	ALUMINIUM WINDOW, DOORS, ETC.			
3/6/22	Door D09, overall size 1 800 x 2 100 mm high wispeco aluminium fixed panel and single aluminium door in accordance with SANS 613 with surfaces natural anodised aluminium colour silver. frame as per manufacturers specifications	No	6	
	PINNING BOARDS:			
	Softboard:			
3/6/23	10mm Thick softboard pinning board fixed to plastered wall with an approved adhesive.	m2	141	
	Wrought Saligna:			
3/6/24	19 x 50mm Rebated and angle rounded framing plugged and pelleted.	m	273	
	Carried Forward Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Bloemfontein Oos Primary School			R

	Brought Forward			R	
	MOULDINGS AND SUNDRIES				
	Supawood				
3/6/25	16 x 150mm dado border rail twice corner rounded and once hollow grooved at back, plugged and pelleted	m	294		
	FURNITURE				
	Classrooms				
3/6/26	Standard single desk for secondary learners: 650H x 450D x 550W	No	520		
3/6/27	Senior nicky polyshell: 400H (Orange)	No	520		
3/6/28	Teacher's desk: 725H x 900D x 1500W	No	13		
3/6/29	Stackable chair 410mm: 19mm square tubing frame: black	No	13		
	HOD'S Office				
3/6/30	Solo 32 1500 x 800 rectangular desk with 3 drawers (melamine oak)	m	6		
3/6/31	High back chair swivel & tilt mechanis black nylon base arms polyurethane blue	m	6		
3/6/32	Visitors arm chair polyurethane blue	No	6		
	Nutrition				
3/6/33	Round fibreglass table with 6 ancona seats; 1050 diameter in blue	No	25		
	JOINERY				
	MPC & HOD				
3/6/34	600m wide 32mm formica lifeseal top	m	20		
3/6/35	950 mm high double slotted wall bands plugged to wall	No	8		
3/6/36	Shelco or other approved brackets	No	24		
3/6/37	1850mm high double slotted wall bands plugged to wall	No	14		
	Carried Forward Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Bloemfontein Oos Primary School			R	

	Brought Fo	orward		R
3/6/38	Shelco or other approved brackets	No	98	
3/6/39	300 mm wide white melamine shelving, 16mm thick with impact edging	2mm m	115	
3/6/40	600mm wide white melamine chipboard, 16mm thick with impact edging	2mm m	15	
3/6/41	50 x 50mm SAP timber bearer	m	75	
3/6/42	16 x 70mm SAP floor bearer	m	55	
3/6/43	16mm thick backing board	m2	41	
3/6/44	16mm thick dividers	m2	27	
3/6/45	16 x 30mm thick bearers	m	105	
3/6/46	1000 x 900mm door	m2	16	
3/6/47	150 x 15mm diameter aluminium handle	m2	16	
3/6/48	Aluminium butterfly hinges	No	32	
	Staff Accomodation			
3/6/49	600mm wide, 32mm formica top	m	6	
3/6/50	16mm thick backing board	m2	5	
3/6/51	16mm thick dividers	m2	7	
3/6/52	16 x 30mm thick bearers	m	55	
3/6/53	16 x 70mm SAP floor bearer	m	32	
3/6/54	600 x 500 x 180mm deep drawer	No	40	
3/6/55	150 x 15mm diameter handles	No	8	
3/6/56	Heavy duty drawer runners	No	16	
3/6/57	1000 x 900mm door	No	6	
3/6/58	150 x 15mm diameter aluminium handle	No	6	
	Carried Fo Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Bloemfontein Oos Primary School	orward		R

	Brought Forward	i		R
3/6/59	Aluminium butterfly hinges	No	12	
3/6/60	600mm long hanging rail	No	2	
3/6/61	500 mm wide 16mm shelving	m	4	
3/6/62	16mm sides	m2	11	
3/6/63	16mm divider	m2	4	
3/6/64	1800 x 1350mm double door	No	1	
3/6/65	Aluminium butterfly hinges	No	16	
3/6/66	150 x 15mm diameter aluminium handle	No	4	
3/6/67	1800 x 450mm top hung door	No	1	
3/6/68	Aluminium butterfly hinges	No	16	
	Nutrition block			
3/6/69	Worktop 600m wide 32mm formica	m	25	
3/6/70	950 mm high double slotted wall bands plugged to wall	No	18	
3/6/71	1850mm high double slotted wall bands plugged to wall	No	12	
3/6/72	Shelco or other approved brackets	No	138	
3/6/73	300 mm wide white melamine shelving, 16mm thick with 2mm impact edging	m	24	
3/6/74	600mm wide white melamine chipboard, 16mm thick with 2mm impact edging	m2	126	
3/6/75	16mm thick backing board	m2	22	
3/6/76	16mm thick dividers	m2	20	
3/6/77	16 mm slides	No	5	
3/6/78	600mm wide shelving	m	75	
3/6/79	500 x 600 x 180mm deep drawer	No	48	
	Carried Forward Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Bloemfontein Oos Primary School	3		R

	Broug	ht Forward		R	
3/6/80	150 x 15mm diameter aluminium handle	No	48		
3/6/81	Heavy duty runners	No	96		
3/6/82	1000 x 900mm door	No	20		
3/6/83	150 x 15mm diameter handles	No	20		
3/6/84	150 x 15mm diameter aluminium handle	m2	20		
3/6/85	Aluminium butterfly hinges	No	40		
3/6/86	50 x 50 SAP timber bearer	m	105		
3/6/87	16 x 70mm SAP floor bearer	m	165		
3/6/88	16mm x 32mm chipboard bearer	m	111		
	Carried Forward to Summary of Section No. 3 Building Works Bill No. 6 Carpentry and Joinery Bloemfontein Oos Primary School	ection No. 3		R	

	Quantity	Rate	Amount
SECTION NO. 3			
BILL NO. 7			
CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)			
PREAMBLES			
NOTE: Unless otherwise stated all the items in this bedeemed to fall into Work Group No. 129 for Haylett Furposes.			
NOTE: The Tenderer is referred to the relevant Clau seperate document "Model Preambles for Trades" (2 Edition) and to the Supplementary Preambles which incorporated hereunder.	2008		
Items, materials or methods to be used specified by names or catalogue numbers are only an indication quality required. Items, materials or methods of simil may be used with prior approval from the Principal A	of the ar quality		
SUPPLEMENTARY PREAMBLES			
<u>Preambles</u>			
The Standard Preambles and the Notes in the various bills are to, and do, apply equally to this section.	us trade		
Properietary Products in Descriptions			
Proprietary products shall be used as specified. Sub- products of similar quality and specification may only with prior approval by the Principal Agent			
Descriptions:			
Items described as "nailed" shall be deemed to be fix hardened steel nails or pins or shot pinned to brickw concrete			
Carrie Section No. 3	ed Forward	R	
Building Works Bill No. 7			
Ceilings, Partitions & Access Flooring			

	Brought Forward			R	
	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				
	CEILINGS ETC				
	NAILED UP CEILINGS				
	6.4mm plasterboard with H-type pressed steel jointing strips				
3/7/1	Ceilings including 38 x 38mm sawn softwood brandering at 600mm centres	m2	1 498		
3/7/2	Extra over ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	10		
	INSULATION, ETC				
	Approved non-combustible blanket insulation				
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 brandering between roof timbers all as per manufacturers instructions	m2	1 498		
	CORNICES				
3/7/4	75mm polystyrene cove cornice	m	634		
	Carried Forward to Summary of Section No. 3 Section No. 3 Building Works Bill No. 7			R	
	Ceilings, Partitions & Access Flooring Bloemfontein Oos Primary School				

	Quantity	Rate	Amoun
SECTION NO. 3			
BILL NO. 8			
FLOOR COVERING, PLASTIC LINING, ETC			
SUPPLEMENTARY PREAMBLES			
NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 130 for Haylett Formula purposes.			
NOTE: The Tenderer is referred to the relevant Clause in the seperate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
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.			
Preambles			
The Standard Preambles and the Notes in the various trade bills are to, and do, apply equally to this section.			
Properietary Products in Descriptions			
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			
FLOOR COVERINGS			
Polyflor 2.0mm thick vinyl floor tiles laid in acrylic adhesive spread with a notched trowel on suitably prepared cement screed floors with a hygrometer reading showing a moisture content of less than 70%, with joints welded with a fully flexible coloured polyflor welding rod to provide a smooth finish all in accordance with manufacturer's recommendation or similar approved			
Carried Forward		R	
Section No. 3 Building Works Bill No. 8		K	
Floor Coverings, etc Bloemfontein Oos Primary School			

	Brought Forward			R	
	2,0mm thick PUR vinyl tiles (PC Amount R150/m2) fixed with approved water based acrylic adhesive to screed (screed elsewhere)				
/8/1	On screeded floors	m2	1 385		
/8/2	Turn-ups over coves and up against walls not exceeding 500mm girth	m	305		
	POLISH, SEALERS, ETC				
	Scrub with a neutral detergent and seal with three coats water based floor dressing				
/8/3	Scrubbing with diluted neutral detergent complying with SANS 825, rinsing, drying and applying three coats water-based floor dressing complying with SANS 1042 on vinyl flooring	m2	1 385		
	Carried Earword to Cummony of Castion No. 2			D	
	Carried Forward to Summary of Section No. 3 Section No. 3 Building Works			R	
	Bill No. 8 Floor Coverings, etc Bloemfontein Oos Primary School				

m o		Quantity	Rate	Amount
SECTION NO. 3				
BILL NO. 9				
IRONMONGERY	· -			
PREAMBLES				
SUPPLEMENTAR	Y PREAMBLES			
Preambles				
I	ables and the Notes in the various trade apply equally to this section.			
Properietary Produ	cts in Descriptions			
	shall be used as specified. Substitute uality and specification may only be used the Principal Agent			
Descriptions:				
Ironmongery is fixed	to timber unless otherwise described.			
I	wise stated all the items in this bill shall be /ork Group No. 132 for Haylett Formula			
seperate document '	r is referred to the relevant Clause in the 'Model Preambles for Trades" (2008 upplementary Preambles which are der.			
Section No. 3 Building Works	Carried Forward		R	
Bill No. 9 Ironmongery Bloemfontein Oos I	Primary School			

Finishes to ironmongery 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					
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					
HINGES AND BOLTS					
150mm CH Barrel bolt	No	39			
LOCKSETS					
The following locks are to be keyed alike, including three keys per lock					
75mm 4 lever, upright lock with three keys, for-end and striking plate	No	20			
Cast Zinc Bathroom indicator bolt.	No	8			
Silver Anodised Helping Hand Indicator.	No	2			
63mm Brass five pin tumbler padlock with two keys	No	15			
<u>Handles</u>					
100mm Chromium plated bow handle bolted through door with the bolt ends hammered to prevent the nuts being removed	No	20			
LETTERS, NAMEPLATES, ETC					
Carried Forward Section No. 3 Building Works Bill No. 9 Ironmongery			R		
	PT Epoxy coated SD Sanded HINGES AND BOLTS 150mm CH Barrel bolt LOCKSETS The following locks are to be keyed alike, including three keys per lock 75mm 4 lever, upright lock with three keys, for-end and striking plate Cast Zinc Bathroom indicator bolt. Silver Anodised Helping Hand Indicator. 63mm Brass five pin tumbler padlock with two keys Handles 100mm Chromium plated bow handle bolted through door with the bolt ends hammered to prevent the nuts being removed LETTERS, NAMEPLATES, ETC Carried Forward Section No. 3 Building Works Bill No. 9	PT Epoxy coated SD Sanded HINGES AND BOLTS 150mm CH Barrel bolt No LOCKSETS The following locks are to be keyed alike, including three keys per lock 75mm 4 lever, upright lock with three keys, for-end and striking plate No Cast Zinc Bathroom indicator bolt. No Silver Anodised Helping Hand Indicator. No 63mm Brass five pin tumbler padlock with two keys No Handles 100mm Chromium plated bow handle bolted through door with the bolt ends hammered to prevent the nuts being removed No LETTERS, NAMEPLATES, ETC Carried Forward Section No. 3 Building Works Bill No. 9 Ironmongery	PT Epoxy coated SD Sanded HINGES AND BOLTS 150mm CH Barrel bolt No 39 LOCKSETS The following locks are to be keyed alike, including three keys per lock 75mm 4 lever, upright lock with three keys, for-end and striking plate No 20 Cast Zinc Bathroom indicator bolt. No 8 Silver Anodised Helping Hand Indicator. No 2 63mm Brass five pin tumbler padlock with two keys No 15 Handles 100mm Chromium plated bow handle bolted through door with the bolt ends hammered to prevent the nuts being removed No 20 LETTERS, NAMEPLATES, ETC Carried Forward Section No. 3 Building Works Bill No. 9 Ironmongery	PT Epoxy coated SD Sanded HINGES AND BOLTS 150mm CH Barrel bolt No 39 LOCKSETS The following locks are to be keyed alike, including three keys per lock 75mm 4 lever, upright lock with three keys, for-end and striking plate No 20 Cast Zinc Bathroom indicator bolt. No 8 Silver Anodised Helping Hand Indicator. No 2 63mm Brass five pin tumbler padlock with two keys No 15 Handles 100mm Chromium plated bow handle bolted through door with the bolt ends hammered to prevent the nuts being removed No 20 LETTERS, NAMEPLATES, ETC Carried Forward R Section No. 3 Building Works Bill No. 9 Ironmongery	PT Epoxy coated SD Sanded HINGES AND BOLTS 150mm CH Barrel bolt No 39 LOCKSETS The following locks are to be keyed alike, including three keys per lock 75mm 4 lever, upright lock with three keys, for-end and striking plate No 20 Cast Zinc Bathroom indicator bolt. No 8 Silver Anodised Helping Hand Indicator. No 2 63mm Brass five pin tumbler padlock with two keys No 15 Handles 100mm Chromium plated bow handle bolted through door with the bolt ends hammered to prevent the nuts being removed No 20 LETTERS, NAMEPLATES, ETC Carried Forward R Section No. 3 Building Works Bill No. 9 Ironmongery

	Brought Forward			R	
	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				
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	14		
	Aluminium				
3/9/8	160 x 160 x 3mm Thick satin anodised aluminium pushplate with fire extinguisher pictogram	No	6		
3/9/9	160 x 160 x 3mm Thick satin anodised aluminium pushplate with fire hose reel pictogram	No	6		
	<u>Doorstops</u>				
3/9/10	Satin chrome plated semicircular floor mounted door stop	No	30		
	BATHROOM FITTINGS				
	"Kimberly clarke" or similar approved				
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	10		
	GRAB RAILS				
3/9/12	Chairman Industies SR3 Grab rail or similar approved.	No	2		
3/9/13	Chairman Industies DL2 Dogleg Grab rail or similar approved.	No	2		
3/9/14	Chairman Industies SR2 Grab rail or similar approved.	No	2		
	WALL MOUNTED WRITING BOARDS				
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	13		
3/9/16	Parrot 1 800 x 900mm high aluminium framed bulletin board with concelaed mounting and additional bracket	No	15		
	Carried Forward to Summary of Section No. 3 Section No. 3 Building Works Bill No. 9 Ironmongery Bloemfontein Oos Primary School			R	

Item No			Quantity	Rate	Amount	
	SECTION NO. 3					
	BILL NO. 10					
	METALWORK					
	SUPPLEMENTARY PREAMBLES					
	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 seperate 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					
	SECURITY GATES					
	Steel security dates, screens, etc. installed complete including all subframes, bolts, expansion bolts, etc					
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. Reg G01	No	3			
	MILD STEEL WINDOW FRAMES					
	Carried Forward Section No. 3 Building Works Bill No. 10 Metalwork Bloemfontein Oos Primary School			R		

	Brought Forward			R	
	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				
3/10/3	Window W01, overall size 889 x 854mm high standard type, vertical steel window.	No	143		
3/10/4	Window W02, overall size 889 x 1 248mm high standard type, vertical steel window.	No	29		
3/10/5	Window W03, overall size 889 x 457mm high standard type, vertical steel window.	No	33		
3/10/6	Window W04, overall size 673 x 511mm high standard type, vertical steel window.	INO	33		
3/10/7	Window W06, overall size 1 200 x 1 200mm high standard	No	6		
	type, vertical steel window.	No	7		
	Carried Forward to Summary of Section No. 3 Section No. 3			R	
	Building Works Bill No. 10 Metalwork Bloemfontein Oos Primary School				

1		Quantity	Rate	Amount
SE	ECTION NO. 3			
	LL NO. 11			
	<u> ASTERING</u>			
PR	REAMBLES			
sep Edi	OTE: The Tenderer is referred to the relevant Clause in the perate document "Model Preambles for Trades" (2008 ition) and to the Supplementary Preambles which are orporated hereunder.			
SU	JPPLEMENTARY PREAMBLES			
Pre	<u>eambles</u>			
	e Standard Preambles and the Notes in the various trade s are to, and do, apply equally to this section.			
Pro	operietary Products in Descriptions			
pro	oprietary products shall be used as specified. Substitute oducts of similar quality and specification may only be used h prior approval by the Principal Agent			
the mix scr les mix mir dry	PTE: Screed mix designs must be done by the engineer and e sand tested in a laboratory beforehand. A mechanical exer is preferred to ensure a homogeneous smooth plaster, reed, etc. mixtures and each batch should be mixed for not es than 3 minutes. The time which elapse between the start of exing a batch and when it is placed, should not exceed 45 mutes and during that time, the mix should be protected from exing out. Regular strength tests must be conducted to these exes.			
troi det The reg	evel screed must be provided and a special large wooden wel to be used. Screeds should be inspected and tested to termine deviation from datum level and surface regularity. e strength of the screed, once it has dried-out, must be test gular using the "BRE screed tester" as well as tests to check adhesion between screed and base.			
Sec	Carried Forward ction No. 3		R	
Bui	ilding Works No. 11			
Pla	astering			
Blo	pemfontein Oos Primary School			

	Brought Forward			R	
	NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 142 for Haylett Formula purposes.				
	Epoxy floor coated screed, all strictly in accordance with spec:				
/11/1	On internal floors	m2	63		
	Wood Floated Screeds on concrete				
11/2	Wood Floated Screed	m2	105		
	SCREEDS				
	Screeds on concrete				
11/3	38mm Thick on floors to receive ceramic tiles	m2	60		
	318/20 9mm epoxy floor coating laid to screed, (screed elsewhere) all strictly in accordance with approved manufaturer's instructions:				
11/4	On internal floors	m2	63		
11/5	20 x 100mm high skirting coved at junction with floor and fair edge.	m	49		
	Screed				
1/6	38mm Thick on floors to receive vinyl tiles	m2	699		
	INTERNAL PLASTER				
	One coat (4:1) cement plaster				
11/7	On walls	m2	1 822		
11/8	Narrow widths	m2	83		
	EXTERNAL PLASTER				
	One coat (4:1) cement plaster				
/11/9	On walls	m2	350		
	Carried Forward			R	
	Section No. 3 Building Works Bill No. 11 Plastering Bloemfontein Oos Primary School				

	Brought Forward		R	
3/11/10	Narrow widths m2	50		
	Carried Forward to Summary of Section No. 3		R	
	Section No. 3 Building Works			
	Bill No. 11 Plastering Bloemfontein Oos Primary School			
				l

	Quantity	Rate	Amoun
SECTION NO. 3			
BILL NO. 12			
TILING			
PREAMBLES			
SUPPLEMENTARY PREAMBLES			
<u>Preambles</u>			
NOTE: Unless otherwise stated all items in this bill shall be deemed to fall into Worgroup No. 144 for Haylett formula purposes.			
Properietary Products in Descriptions			
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			
NOTE: Descriptions:			
Unless described as "fixed with adhesive to plaster (plaster elsewhere" desriptions of tiling on brick or concrete walls, columns, etc., shall be deemed to include 1:4 cement plaster backing and desciptions of tiling on conrete floors etc., shall be deemed to include 1:3 plaster bedding.			
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.			
Carried Forward		R	
Section No. 3 Building Works Bill No. 12		IX.	
Tiling Bloemfontein Oos Primary School			

					\top
	Brought Forward			R	
	<u>Fixing</u>				
	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				
	Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat				
	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				
	WALL TILING				
	200 X 250 X 5mm white first grade Ceramic wall tiles fied with adhesive to plaster and pointed with white jointing compound.				
3/12/1	On walls in splashbacks, etc.	m2	161		
	FLOOR TILING				
	300mm x 300mm cloured non slip porcelain tiles (PC Amount R150/m2) laid with and including adhesive to screed (screed elsewhere) and flush pointed with tinted grout				
3/12/2	On floors	m2	65		
3/12/3	Skirtings 150mm high of cut course tile.	m	20		
	Carried Forward to Summary of Section No. 3 Section No. 3			R	
	Building Works Bill No. 12				
	Tiling Bloemfontein Oos Primary School				

	Quantity	Rate	Amount
SECTION NO. 3			
BILL NO. 13			
PLUMBING AND DRAINAGE (PROVISIONAL)			
SUPPLEMENTARY PREAMBLES			
NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 146 for Haylett Formula purposes.			
NOTE: The Tenderer is referred to the relevant Clause in the seperate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
Vitrified clay pipes:			
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			
Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings			
uPVC pipes and fittings:			
Soil, waste and vent pipes and fittings shall be solvent weld jointed			
uPVC pressure pipes and fittings:			
Pipes for water supply shall be of the class stated			
Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
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			
Carried Forward Section No. 3 Building Works Bill No. 13		R	
Plumbing and Drainage Bloemfontein Oos Primary School			

	Brought Forward	R	
Copper	pipes:		
stated. (bent. Cl class 3 (benders vent and compres approve	class 0 (thin walled hard drawn) pipes shall not be lass 1 (thin walled half-hard), class 2 (half-hard) and lheavy walled half-hard) pipes shall only be bent with with inner and outer formers. Fittings to copper waste, anti-syphon pipes, capillary solder fittings and sision fittings shall be "Cobra Watertech" or similar and d type. Capillary solder fittings shall comply with ISO only compression fittings shall be used in walls or in		
Fixing o	of pipes		
be deem	specifically otherwise stated, descriptions of pipes shall ned to include fixing to walls etc, casting in, building in ending not exceeding 1m below suspension level		
Reducir	ng fittings		
describe not exce given. So bushes of claim in with diar	ettings have reducing ends or branches they are as "reducing". In the case of pipes with diameters reding 60mm only the largest end or branch size is should the contractor wish to use other fittings and or reducers he may do so on the understanding that no this regard will be entertained. In the case of pipes meters exceeding 60mm all sizes are given and no rextra bushes, reducers, etc will be entertained		
Excavat	tions		
contracto	or for rock excavation will be entertained unless the or has timeously notified the quantity surveyor thereof backfilling		
"Soft roo	ck" and "hard rock" shall be as defined in "Earthworks"		
Laying,	backfilling, bedding, etc. of pipes		
	nall be laid and bedded and trenches shall be carefully d in accordance with manufacturers' instructions		
	Works	R	

Brought Forward	R	
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		
Flush pans		
Flush pans shall have straight or side outlets and "P" or "S" traps as necessary		
Stainless steel basins, sinks, wash troughs, urinals, etc.		
Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable		
Waste unions		
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings		
"Densyl" petrolatum anti corrosion tape as manufactured by Denso SA (Pty) Ltd.		
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		
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		
SANITARY FITTINGS:		
Carried Forward Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Bloemfontein Oos Primary School	R	

	Brought Forward			R	
	Stainless steel:				
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	5		
3/13/2	Franke Projectline Model PLN621 Grade 304 18/10 polished stainless steel single end bowl inset sink (Code: 1990031), fitted onto cupboards(elsewhere specified) sink to include plumbing kit (Code: 1120009) mixer (Code: 1150019) (kitchen cabinets by specialist).	No	1		
3/13/3	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	2		
3/13/4	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				
	Sanitary fittings:	No	4		
3/13/5	Lecico Atlas 50cm basin with semi pedastal clour white , fixed with stainless steel screws and washers to plugs in wall and sealed with abe Dow corning acetoxy silicone sealant where basin meets wall				
	basiii iiieets waii	No	2		
	Carried Forward Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Bloemfontein Oos Primary School			R	

	5				
	Brought Forward			R	
3/13/6	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	6		
3/13/7	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	2		
	WASTE UNIONS, ETC.:				
3/13/8	32mm "301" Basin waste union.	No	6		
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		
	TRAPS, ETC.:				
	Butyl rubber:				
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		
	TAPS, VALVES, ETC.:				
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 Bloemfontein Oos Primary School				

	Brought Forward	I		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		
	SANITARY PLUMBING:				
	uPVC pipes:				
3/13/30	50mm Pipes.	m	140		
/13/31	110mm Pipes.	m	106		
	Extra over uPVC pipes for fittings:				
3/13/32	50mm Access bend.	No	16		
3/13/33	50mm Junction	No	12		
3/13/34	50mm Access Junction	No	12		
3/13/35	110mm Access heel bend.	No	16		
3/13/36	110mm Vent valve.	No	9		
	WATER SUPPLIES:				
	Carried Forward Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Bloemfontein Oos Primary School	I		R	

	Brought Forward			R	
	Class O copper pipes:				
3/13/37	15mm Pipes.	m	86		
3/13/38	22mm Pipes.	m	61		
3/13/39	28mm Pipes.	m	121		
	Extra over class O copper pipes for capillary fittings:				
3/13/40	15mm Fittings.	No	22		
3/13/41	22mm Fittings.	No	7		
3/13/42	28mm Fittings.	No	9		
	Copper overflow and service pipes:				
3/13/43	15mm Service pipe 300mm girth.	No	4		
3/13/44	22mm Service pipe 300mm girth.	No	7		
	TESTING				
3/13/45	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		
	BUILDER'S WORK INCLUDING MAKING GOOD:				
3/13/46	Fair cutting and fitting facebrick around pipe not exceeding 100mm dianeter.	No	6		
	Core drilling of hole for pipe not exceeding 50mm diameter				
3/13/47	230mm Brick wall, etc	No	20		
	PAINTING (PROVISIONAL)				
	(HAYLETT FORMULA WORK GROUP NO 152				
	Section No. 3 Building Works Bill No. 13 Plumbing and Drainage Bloemfontein Oos Primary School			R	

	Brought Forward		R	
	Prepare, prime with a self-etching primer and paint one undercoat and one coat high gloss enamel paint			
3/13/48	On galvanised mild steel pipe not exceeding 300mm girth m	150		
	Carried Forward to Summary of Section No. 3 Section No. 3		R	
	Building Works Bill No. 13 Plumbing and Drainage			
	Bloemfontein Oos Primary School			

Item No			Quantity	Rate	Amount
140	SECTION NO. 3				
	BILL NO. 14				
	GLAZING				
	PREAMBLES				
	PREAMBLES: The Tenderer is referred to the relevant Clause in the seperate 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.				
	SUPPLEMENTARY PREAMBLES				
	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.				
	GLAZING TO STEEL WITH PUTTY				
	4mm Clear laminated safety glass				
3/14/1	Panes exceeding 0,1m² and not exceeding 0,5m²	m2	260		
	3mm Obscure glass				
3/14/2	Panes exceeding 0,1m² but not ne 0.5m2	m2	107		
	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.				
	6mm Float glass with polished edges all round				
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	6		
	Carried Forward to Summary of Section No. 3 Section No. 3 Ruilding Works			R	
	Building Works Bill No. 14 Glazing Bloemfontein Oos Primary School				

Item No			Quantity	Rate	Amount
	SECTION NO. 3				
	BILL NO. 15				
	PAINTWORK				
	PREAMBLES				
	NOTE: The Tenderer is referred to the relevant Clause in the seperate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.				
	SUPPLEMENTARY PREAMBLES				
	NOTE: Unless otherwise stated all the items in this bill shall be deemed to fall into Work Group No. 152 for Haylett Formula purposes.				
	PAINTWORK ETC TO NEW WORK				
	ON PLASTER, ETC.				
	One undercoat and two coats paint				
3/15/1	On internal plastered walls	m2	1 810		
3/15/2	On external plastered walls	m2	350		
	ON PLASTER BOARD				
	One coat plaster primer and two coats EPL polvin super acrylic ON:				
3/15/3	On ceilings and cornices	m2	1 498		
	ON METAL				
	Spot priming defects in pre primed surfaces with zinc chromate primer and applying one coat undercoat and two coats enamel paint on steel				
3/15/4	On door frames	m2	56		
3/15/5	Security gates, etc	m2	32		
	ON WOOD				
	Section No. 3 Building Works Bill No. 15 Paintwork Bloemfontein Oos Primary School			R	

	Brought Forward			R	
	Enamel paint				
3/15/6	On rails, etc not exceeding 300 mm girth	m	94		
	One undercoat and two coats paint				
3/15/7	On doors	m2	40		
	One coat dark stain and three coats clear ultra varnish				
3/15/8	On doors	m2	310		
	Sanding sealer and three coats clear Floor Vanish - PFV " suede finish				
3/15/9	On skirtings, rails, etc not exceeding 300 mm girth	m	640		
	One coat pink oil based wood primer, one coat "UC.1 Merit" universal undercoat and two coats universal enamel gloss paint on:				
3/15/10	Roof timbers at eaves and verges not exceeding 300mm girth.	m2	93		
	Carried Forward to Summary of Section No. 3 Section No. 3 Building Works Bill No. 15 Paintwork Bloemfontein Oos Primary School			R	

	Section No. 3				
	Building Works				
	SECTION SUMMARY - Building Works				
Bill No		Page No		Amount	
3/1	Foundations (Provisional)	-47-			
3/2	Concrete, Formwork and Reinforcement	-51-			
3/3	Masonry	-54-			
3/4	Waterproofing	-56-			
3/5	Roof Coverings, etc	-59-			
3/6	Carpentry and Joinery	-69-			
3/7	Ceilings, Partitions & Access Flooring	-71-			
3/8	Floor Coverings, etc	-73-			
3/9	Ironmongery	-76-			
3/10	Metalwork	-78-			
3/11	Plastering	-81-			
3/12	Tiling	-83-			
3/13	Plumbing and Drainage	-91-			
3/14	Glazing	-92-			
3/15	Paintwork	-94-			
	Carried to Final Summary Section No. 3		R		
	Building Works Bloemfontein Oos Primary School				
	,				

Item No			Quantity	Rate	Amount
	SECTION NO. 4				
	BILL NO. 1				
	SITE WORKS (PROVISIONAL)				
	SUPPLEMENTARY PREAMBLES				
	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 seperate 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.				
	EARTHWORKS				
4/1/1	Clear site of all rubbish, debris, vegetation, etc	m2	1 560		
4/1/2	Stripping 150mm layer of top soil and cart to spoil heap on site	m3	54		
	REMOVAL OF TREES ETC				
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	6		
	BULK EXCAVATION, FILLING, ETC				
	Open face excavation in earth over sloping site				
4/1/4	Open face excavations	m3	1 443		
	Extra over bulk excavation in earth for excavation in				
4/1/5	Soft rock (intermediate excavation)	m3	26		
4/1/6	Hard rock (hard excavation)	m3	14		
	Carried Forward Section No. 4 External works Bill No. 1 General Site Works Bloemfontein Oos Primary School			R	

	Brought Forward			R	
	Extra over all excavations for carting away				
4/1/7	Surplus material from excavations to stock piles on site not exceding 300m	m3	1 443		
	Earth filling supplied by the contractor in platforms				
4/1/8	In platforms of G5 material in accordance with SABS 1200 DM compacted to 90% Mod AASHTO density	m3	524		
4/1/9	In platforms of G6 material in accordance with SABS 1200 DM compacted to 95% Mod AASHTO density	m3	969		
	EXCAVATION, FILLING, ETC				
	Excavation in earth not exceeding 2m deep				
4/1/10	excavations in earth for aprons	m3	15		
	On the state of th				
	Carried Forward to Summary of Section No. 4 Section No. 4 External works			R	
	Bill No. 1 General Site Works				
	Bloemfontein Oos Primary School				

Item No			Quantity	Rate	Amount
	SECTION NO. 4				
	BILL NO. 2				
	STORMWATER DRAINAGE, SOIL DRAINAGE AND WATER SUPPLY				
	PREAMBLES				
	NOTE: The Tenderer is referred to the relevant Clause in the seperate 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				
	STORMWATER DRAINAGE				
	CONCRETE				
	(HAYLETT FORMULA WORK GROUP NO. 146)				
	Mass concrete with a coarse aggregate of 19mm and a minimum compressive strength of 15MPa at 28 days				
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	354		
4/2/2	Extra for fair open end	No	16		
4/2/3	Extra for fair stopped end	No	12		
4/2/4	Extra for angle intersection	No	5		
	J				
	Carried Forward Section No. 4 External works			R	
	Bill No. 2 Stormwater, Soil drainage and Water Supply Bloemfontein Oos Primary School				

	Brought Forward			R	
4/2/5	Extra for T-intersection	No	6		
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	2		
	Movement joints				
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	45		
	SOIL DRAINAGE				
	(HAYLETT FORMULA WORK GROUP NO. 146)				
	uPVC pipes				
4/2/8	110mm pipes including excavations not exceeding 1m deep	m	210		
4/2/9	110mm pipes including excavations exceeding 1m not exceeding 2m deep	m	96		
4/2/10	160mm pipes including excavations exceeding 1m not exceeding 2m deep	m	86		
4/2/11	160mm pipes including excavations exceeding 2m not exceeding 4m deep	m	165		
	Extra over uPVC pipes for fittings				
4/2/12	110mm Bend.	No	12		
4/2/13	110mm Access junction.	No	6		
4/2/14	160mm Access Junction	No	1		
	Carried Forward			R	
	Section No. 4 External works Bill No. 2 Stormwater, Soil drainage and Water Supply Bloemfontein Oos Primary School			IX.	

	Brought Forward			R	
	Sundries				
/2/15	15MPa/19mm mass concrete encasing around 100mm horizontal drain pipe including all necessary formwork	m	22		
/2/16	15MPa/19mm mass concrete encasing around 100mm vertical or raking drain pipe to cleaning eye including all necessary formwork	m	14		
/2/17	15MPa/19mm mass concrete in precast I.E. marker block set flush with the ground or paving	No	5		
	THE FOLLOWING IN PRE-FABRICATED MANHOLES				
	(HAYLETT FORMULA WORK GROUP NO. 146)				
	Pre-fabricated concrete manholes and shall constructed according to the Manufacturer's instructions. All manholes to be out of dolomitic aggregate				
	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.				
/2/18	Manhole not exceeding 1m deep	No	4		
2/19	Manhole exceeding 1m and not exceeding 2m deep	No	4		
/2/20	Manhole exceeding 2m and not exceeding 4m deep	No	4		
	Carried Forward Section No. 4 External works			R	

	Brought Forward	t l		R	
	<u>Sundries</u>				
/2/21	Hole through side of precast concrete manhole for pipe exceeding 100mm and not exceeding 200mm diameter and make good	No	4		
	WATER SUPPLY				
	(HAYLETT FORMULA WORK GROUP NO. 148)				
	Galvanised mild steel screwed and socketed pipes and fittings				
/2/22	20mm pipe in short lengths in connections to water meter (elsewhere)	m	25		
/2/23	20mm pipe and excavations not exceeding 1m deep	m	34		
/2/24	25mm pipe and excavations not exceeding 1m deep	m	14		
/2/25	Extra over 20mm pipe for fittings	No	12		
/2/26	Extra over 25mm pipe for fittings	No	14		
	uPVC 75mm Class 6 piping with "Plasson" or other approved fittings				
/2/27	75mm pipe and excavations not exceeding 1m deep	m	87		
	uPVC 75mm Class 9 piping with "Plasson" or other approved fittings				
/2/28	75mm pipe and excavations not exceeding 1m deep	m	37		
	Extra over polyethylene pipes for fittings				
/2/29	75mm diameter bend	No	14		
/2/30	63mm male adaptor coupling	No	12		
	Valves, etc including joints to pipes and/or fittings				
/2/31	25mm brass fullway wheel valve	No	6		
/2/32	63mm brass fullway wheel valve	No	6		
	Section No. 4 External works Bill No. 2 Stormwater, Soil drainage and Water Supply Bloemfontein Oos Primary School	t		R	

	Brought Forward			R	
1/2/33	Castle Optima 2000 or other approved water meter with threaded inlet port	No	1		
	SUNDRIES				
	(HAYLETT FORMULA WORK GROUP NO. 148)				
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 size75mm 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	No	4		
	necessary step irons, etc	No	1		
/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		
	TESTING				
4/2/39	Supply all the necessary apparatus, water etc. for and test the soil drainage and water supply systems to the satisfaction of the Representative/Agent and the Local Authority, rectify all defective work free of charge and leave in perfect order		ltem		
	Carried Forward to Summary of Section No. 4 Section No. 4			R	
	External works Bill No. 2				
	Stormwater, Soil drainage and Water Supply Bloemfontein Oos Primary School				

Item No			Quantity	Rate	Amount
-	SECTION NO. 4				
	BILL NO. 3				
	COVERED WALKWAYS (PROVISIONAL)				
	PREAMBLES				
	NOTE: The Tenderer is referred to the relevant Clause in the seperate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.				
	EARTHWORKS				
	EXCAVATIONS				
	Excavate in earth not exceeding 2 m deep below reduced or filled up ground level for				
4/3/1	Trenches, holes, etc.	m3	392		
	Extra over trench and hole excavations for excavation in:				
4/3/2	Soft rock	m3	11		
4/3/3	Hard rock	m3	5		
	Extra over all excavations for carting away				
4/3/4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	79		
	Risk of collapse to sides of excavations				
4/3/5	Side of trench and hole excavations from natural, elevated or reduced ground level not exceeding 1500mm deep	m2	1 226		
	Keeping excavations free of water				
4/3/6	Allow for keeping all excavation free of water and mud		Item		
	FILLING, ETC:				
	Carried Forward Section No. 4 External works Bill No. 3 Walkways and Yardwalls			R	
	Bloemfontein Oos Primary School				

	Brought Forward			R	
	Earth filling obtained from the excavations				
4/3/7	Backfilling to trenches and holes compacted to 90% modified AASHTO density	m3	133		
	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				
4/3/8	Under floors, steps, pavings, etc	m3	268		
	Compaction of surfaces				
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	364		
	Soil insecticide				
4/3/10	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	376		
4/3/11	To bottoms and sides of trenches, bases, etc	m2	714		
	Coarse river sand filling supplied by the contractor				
4/3/12	50mm thick river sand under floors, etc.	m2	276		
	CONCRETE, FORMWORK AND REINFORCEMENT				
	REINFORCED CONCRETE				
	25MPa/19mm concrete				
4/3/13	In strip footings	m3	31		
4/3/14	Surface beds on waterproofing cast in panels	m3	15		
	TEST BLOCKS				
4/3/15	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	50		
	Section No. 4 External works Bill No. 3			R	
	Walkways and Yardwalls Bloemfontein Oos Primary School				

	Brought Forward			R	
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
1/3/16	Surface beds, slabs, etc	m2	650		
	SMOOTH FORMWORK (DEGREE OF ACCURACY I)				
	Smooth formwork to sides				
/3/17	Edges of slabs not exceeding 300mm high	m2	152		
	MOVEMENT JOINTS ETC (PROVISIONAL)				
/3/18	10mm Isolation Joints not exceeding 300mm high	m	246		
/3/19	10 x 12mm polysulphide sealant	m	234		
	REINFORCEMENT (PROVISIONAL)				
/3/20	Mesh - Ref 193 to surface bed	m2	300		
	MASONRY				
	FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar				
/3/21	One brick walls	m2	157		
	FACE BRICKWORK				
	External facing (PC R6500,00/1000 excluding VAT) pointed with square recessed horizontal and vertical joints				
/3/22	Extra over brickwork for face brickwork	m2	319		
/3/23	Brick on edge on coping to one brickwall.	m	250		
	Brickwork reinforcement				
/3/24	150mm Wide reinforcement built in horizontally	m	1 130		
	Section No. 4 External works Bill No. 3			R	
	Walkways and Yardwalls Bloemfontein Oos Primary School				

	Brought Forward			R	
	WATERPROOFING				
	WATERPROOFING UNDER FLOORS, ETC				
	Colour coded polythylene sheeting complying with SABS 952, Type C, in wideset practicable widths with all joints lapped and sealed in accordance with the manufacture's instructions				
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	556		
	ROOF COVERINGS, ETC.:				
	"COLOURED ROOF SHEETING OR SIMILAR AND APPROVED				
	Supplementary Preambles:				
	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 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				
	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				
4/3/26	Roof covering with pitch not exceeding 25 degrees, fixed to metal purlins.	m2	350		
	Carried Forward Section No. 4 External works Bill No. 3 Walkways and Yardwalls Bloemfontein Oos Primary School			R	

	Brought Forward			R	
4/3/27	1,2mm thick Ridge Capping	m	188		
	STRUCTURAL STEELWORK				
	The following in hot dipped galvanized steel structure to walkways				
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	262.00		
4/3/29	60 x 40 x 2,5mm Hollow section purlin bolted to brackets	m	200.00		
	PAINTWORK				
	PAINTWORK ETC TO NEW WORK				
	ON METAL				
	One coat Plascon Namelcote Synthetic Metal Primer (UC53), one undercoat and two finishing coats 'Plascon Wall and All pure acrylic emulsion paint				
4/3/30	On steel purlins, beams and columns, etc	m2	256		
	Carried Forward to Summary of Section No. 4 Section No. 4 External works Bill No. 3			R	
	Walkways and Yardwalls Bloemfontein Oos Primary School				

	Section No. 4				
	External works				
	SECTION SUMMARY - External works				
Bill No		Page No		Amount	
4/1	General Site Works	-97-			
4/2	Stormwater, Soil drainage and Water Supply	-102-			
4/3	Walkways and Yardwalls	-107-			
	Carried to Final Summary Section No. 4		R		
	External works				
	Bloemfontein Oos Primary School				

Item No		Quantity	Rate	Amount
	SECTION NO. 5			
	BILL NO. 1			
	PROVISIONAL SUMS			
	PREAMBLES			
	For Preambles see "Model Preambles For Trades"			
	PREAMBLES: The Tenderer is referred to the relevant Clause in the seperate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles which are incorporated hereunder.			
	WORK BY CONTRACTOR			
	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.			
	The following Provisional Sums and Prime Cost Items are net			
	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.			
	DEMOLITION OF ASBESTOS			
5/1/1	Provide the sum as indicated for demolition of asbestos to be supplied by specialist including the foundations and filling material	Item		3 500 000 00
5/1/2	Allow for profit.	Item		
5/1/3	Allow for attendance.	Item		
	BOREHOLE DRILLING			
5/1/4	Provide the sum as indicated for borehole drilling	Item		177 500 00
5/1/5	Allow for profit.	Item		
5/1/6	Allow for attendance.	Item		
	Carried Forward Section No. 5 Provisional sums Bill No. 1 Provisional and Prime Cost Sums Bloemfontein Oos Primary School		R	

	Brought Forward		R		
	20 000 L PRESTANK & STAND				
5/1/7	Provide the sum as indicated for a prestank including tank stand with a hot dipp galvanised stand, cat ladder and safety barriers	Item		190 000	00
5/1/8	Allow for profit.	Item			
5/1/9	Allow for attendance.	Item			
	GEOPHYSICIST				
5/1/10	Provide the sum as indicated for geophysicist	Item		60 000	00
5/1/11	Allow for profit.	Item			
5/1/12	Allow for attendance.	Item			
	LANDSCAPING				
5/1/13	Allow the sum as indicated for landscaping	Item		300 000	00
5/1/14	Allow for profit	Item			
5/1/15	Allow for attendance	Item			
	MOBILE CLASSROOMS				
5/1/16	Provide the sum as indicated for Twelve (12) mobile classrooms to be supplied and installed by a firm of specialists	Item		2 300 000	00
5/1/17	Allow for profit.	Item			
5/1/18	Allow for attendance.	Item			
	BUDGETARY ALLOWANCE				
5/1/19	Allow the sum as indicated for furniture removal, including relocating mobile classrooms.	Item		80 000	00
5/1/20	Allow the sum as indicated for renovations.	Item		1 800 000	00
5/1/21	Allow the sum as indicated for signage.	Item		50 000	00
5/1/22	Allow the sum as indicated for drinking fountains.	Item		50 000	00
					_
	Section No. 5 Provisional sums Bill No. 1 Provisional and Prime Cost Sums Bloemfontein Oos Primary School		R		

	Brought Forward		R		
5/1/23	Allow the sum as indicated for flag posts.	Item		15 000	00
	Onesia I (a Eina) Onesia				
	Section No. 5 Provisional sums		R		
	Bill No. 1 Provisional and Prime Cost Sums Bloemfontein Oos Primary School				
					1

Item No			Quantity	Rate	Amount
	SECTION NO. 6				
	BILL NO. 1				
	ELECTRICAL WORK				
	SUPPLEMENTARY PREAMBLES				
	ELECTRICAL WORK				
	400V Kiosk				
6/1/1	Supply, manufacture, deliver, install 400V and commision new kiosk complete with all accessories as per the drawings	No	2.00		
	Supply and install feeder breaker on the main kiosk: 10KA, 4-Pole				
6/1/2	125 A	No	1.00		
6/1/3	200 A	No	1.00		
	SUB-DISTRIBUTION BOARD 400V 5KA				
6/1/4	Supply, manufacture, deliver, install 400V and commision new kiosk complete with all accessories as per the drawings	No	6.00		
6/1/5	Supply, manufacturer, install and commission 230V SP & L distribution board complete with all accessories as per the drawings	No	4.00		
	LIGHTING FITTINGS				
	Supply, deliver and install the following light fittings complete, inclusive of lamps				
6/1/6	2 x 36W 1200mm open channel T5 light fitting	No	180.00		
6/1/7	1 x 22W IP65 Bulkhead light fitting	No	80.00		
6/1/8	1 x 22W IP28 Bulkhead light fitting	m	35.00		
	LIGHTING SWITCHES				
	Carried Forward Section No. 6 Electrical Work Bill No. 1 Electrical Works			R	
	Bloemfontein Oos Primary School				

	Brought Forward	d		R	
	Supply, install and connect flush mounted switch unit complete with cover plate, boxes and all accessories				
6/1/9	Single Lever, 1 Way light switch	No	70.00		
5/1/10	Single Lever, 1 Way light switch	No	8.00		
/1/11	230V 16A, IP65 Photocell	No	10.00		
	CONDUCTORS AND CABLES				
	Supply and install GP PVC insulated copper conductors in required colours drawn into conduit o in trunking	<u>r</u>			
/1/12	2.5mm2	m	6 500.00		
/1/13	6 mm2	m	5 500.00		
	Supply, deliver and install PVC, PVC, SWA, PVC 600/1000V cables				
/1/14	70 mm2, 4-Core	m	350.00		
1/15	16 mm2, 4-Core	m	850.00		
	Supply, deliver and install single core antitheft copper coated bare earth conductor				
1/16	50 mm2 single core	m	350.00		
1/17	16 mm2 single core	m	850.00		
	CABLE TERMINATION				
	Supply, deliver and install termination kit, complete with compression gland, lugs, sleeves and all accessories				
/1/18	70 mm2, 4-Core PVC, SWA, PVC 600/1000V cable	No	6.00		
1/19	16 mm2, 4-Core PVC, PVC, SWA, PVC 600/1000V cable	No	20.00		
/1/20	2.5 mm2, GP PVC insulated copper conductors	No	100.00		
	Section No. 6 Electrical Work Bill No. 1 Electrical Works	d		R	
	Bloemfontein Oos Primary School				

	Brought Forward			R	
6/1/21	6 mm2 GP PVC insulated copper conductors	No	140.00		
6/1/22	50 mm2 single core antitheft copper coated bare earth conductor	No	6.00		
6/1/23	16 mm2 single core antitheft copper coated bare earth conductor	No	20.00		
	SWITCHED SOCKET OUTLETS AND ISOLATERS				
	Supply, install and connect flush mounted switch socket outlets and isolaters as specified including cover plates and all accessories				
6/1/24	45A wall mounted isolater	No	5.00		
6/1/25	16 Amp, 3-pin, Standard/Euro combine double switched socket outlet	No	75.00		
	CONDUIT AND CONDUIT BOXES				
6/1/26	Supply, install 25mm PVC conduit complete with all accessories including adapters and couplers	No	6 000.00		
/1/27	Supply and install 60 mm round, 60 mm deep PVC box for 25 mm conduit fixed in sofit or brickwork or ceiling void	No	250.00		
/1/28	Supply and install 100 x 50 x 50 mm gal. box, flush mounted in brickwork	No	250.00		
/1/29	Supply and install 100 x 100 x 50mm gal.box, flush mounted in brickwork	No	250.00		
	EXCAVATION AND BACKFILLING				
/1/30	Excavate 800mm deep by 500mm wide hand pickable soil	m	1 500.00		
6/1/31	Backfilling	m	1 500.00		
	EARTHING AND BONDING				
5/1/32	Perform soil resistivity test	No	1.00		
6/1/33	Earth and bond of the complete installation in accordance with the specification and SANS standards	No	1.00		
	Carried Forward Section No. 6 Electrical Work Bill No. 1 Electrical Works			R	
	Bloemfontein Oos Primary School				

	Brought Forward			R	
6/1/34	Supply, install and test earthing and lightining protection system including	No	1.00		
	TEST AND COMMISIONING				
6/1/35	Test and commission the omplete installation in accordance with the specification and SANS standards	No	1.00		
	Carried to Final Summary Section No. 6			R	
	Electrical Work Bill No. 1 Electrical Works Bloemfontein Oos Primary School				
	Distinction 303 i milary ochool				

	FINAL SUMMARY				
Section No		Page No		Amount	
1	Preliminaries	-36-			
2	Alterations (Provisional)	-42-			
3	Building Works	-95-			
4	External works	-108-			
5	Provisional sums	-111-			
6	Electrical Work	-115-			
	SUB-TOTAL (Excluding CPAP and Value Added Tax)		R		
	Allow the sum of R4 000.00 (Four Thousand Rand) per month for Community Liaison Officer		R	56 000	00
	Allow the sum of R2 000.00 (Two Thousand Rand) per month for Project Steering Committee (PSC)		R	28 000	00
	Allow the sum of R 350 000.00 (Three Hundred And Fifty Thousand Rands) for Contract Price Adjustment Provision (CPAP)		R	350 000	00
	Allow the sum of R 1 000 000.00 (One Million Rands) for Contingencies		R	1 000 000	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		
	Bloemfontein Oos Primary School				