

SECTION NO. 1

PRELIMINARIES

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>SECTION C: SPECIFIC PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Series 2000 Principal Building Agreement (Edition 4.1 Code 2101 March 2005) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The ASACS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the above mentioned documents for the full intent and meaning of each clause thereof</p> <p>No claim whatsoever shall be entertained in respect of errors or omissions in pricing due to brevity of descriptions of items which are fully described when read in conjunction with the relevant clauses of the said Principal Building Agreement, Preliminaries and Preambles.</p> <p>The Tenderers shall allow opposite each of the clauses whatever costs and charges he may consider necessary for the carrying out, complying with and due observance of the provisions, conditions and requirements set out herein. Only priced items will be considered in respect of any adjustment of this Section. Any item left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the Tenderer's omission to price any item will be entertained.</p> <p>Where modifications or amendments as described are made, such modifications and/or amendments shall supercede any conflicting provisions in the relevant clauses of the Standard Preliminaries or the Principal Building Agreement and the Tenderer shall make due allowance for whatever costs and charges he may consider necessary for the carrying out and observance of the provisions of the clauses as modified and/or amended.</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p>				
Carried to Collection			R	
Section No. 1				
Bill No. 1				
Preliminaries				

	Unit	Quantity	Rate	Amount
<u>PRICING OF PRELIMINARIES</u>				
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.				
<u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u>				
<u>A1.0 DEFINITIONS AND INTERPRETATION</u>				
1	<p>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 Clause 1.1 Definition of 'Construction Guarantee' is amended by replacing it with the following: 'CONSTRUCTION GUARANTEE' means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule Clause 1.1 Definition of 'Construction Period' is amended by replacing it with the following: 'CONSTRUCTION PERIOD' means the period commencing on the commencement date and ending on the date of practical completion Clause 1.1 Definition of 'Corrupt Practice' is added: 'CORRUPT PRACTICE' means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. Clause 1.1 Definition of 'Fraudulent Practice' is added: 'FRAUDULENT PRACTICE' means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition. Clause 1.1 Definition of 'Interest' is amended by replacing it with the following: 'INTEREST' means the interest rates applicable on this contract, whether specifically indicated in the</p>			
Carried to Collection			R	
Section No. 1				
Bill No. 1				
Preliminaries				

	Unit	Quantity	Rate	Amount
relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999) Clause 1.1 Definition of 'Principal Agent' is amended by replacing it with the following: 'PRINCIPAL AGENT' means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule Clause 1.1 Definition of 'Security' is amended by replacing it with the following: 'SECURITY' means the form of security provided by the employer or contractor, as stated in the schedule, from which the contractor or employer may recover expense or loss Clause 1.6 is amended by replacing the words 'prepaid registered post, telefax or e-mail' with 'prepaid registered post or telefax' Clause 1.6.4 is amended by replacing it with the following: No clause	Item			
<u>OBJECTIVE AND PREPARATION</u>				
<u>A2.0 OFFER, ACCEPTANCE AND PERFORMANCE</u>				
2 Clause 2.0	Item			
<u>A3.0 DOCUMENTS</u>				
3 Clause 3.0				
Clause 3.2.1 is amended by replacing '14.1' with '14.0' 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. Clause 3.10 is amended by replacing the second reference to 'principal agent' with the word 'employer'	Item			
<u>A4.0 DESIGN RESPONSIBILITY</u>				
4 Clause 4.0.	Item			
<u>A5.0 EMPLOYER'S AGENTS</u>				
5 Clause 5.0 Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8	Item			
<u>A6.0 SITE REPRESENTATIVE</u>				
6 Clause 6.0	Item			
Carried to Collection			R	
Section No. 1 Bill No. 1 Preliminaries				

		Unit	Quantity	Rate	Amount
	<u>A7.0 COMPLIANCE WITH REGULATIONS</u>				
7	Clause 7.0 Note: A separate clause has been included in Section C : Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification.	Item			
	<u>A8.0 WORKS RISK</u>				
8	Clause 8.0	Item			
	<u>A9.0 INDEMNITIES</u>				
9	Clause 9	Item			
	<u>A10.0 WORKS INSURANCES</u>				
10	Clause 10.0 Clause 10.0 is amended by the addition of the following clauses: 10.5 Damage to the Works (a) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary (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 materials paid for by the employer that is the result of the excepted risks as set out in 10.6 (d) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof 10.6 Injury to Persons or loss of or damage to Properties (a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in				
	Carried to Collection			R	
	Section No. 1				
	Bill No. 1				
	Preliminaries				

	Unit	Quantity	Rate	Amount
<p>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 negligence of any person for whose actions the employer is legally liable (b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act</p> <p>or negligence 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</p> <p>or any structures to be altered or added to, the contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed (f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works 10.7 High risk insurance In the event of the project being executed in a geological area classified as a 'High Risk Area', that is an area which is</p>				
<p>Carried to Collection</p> <p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>			R	

	Unit	Quantity	Rate	Amount
<p>subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:</p> <p>10.7.1 Damage to the works 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</p> <p>destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs</p> <p>10.7.2 Injury to persons or loss of or damage to property 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</p> <p>site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract 10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so 10.7.4 The employer shall be entitled to recover any</p>				
Section No. 1				
Bill No. 1				
Preliminaries				
Carried to Collection			R	

	Unit	Quantity	Rate	Amount
and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole.	Item			
<u>A11.0 LIABILITY INSURANCES</u>				
11 Clause 11.0	Item			
<u>A12.0 EFFECTING INSURANCES</u>				
12 Clause 12.0	Item			
<u>A13.0</u>				
<u>A13.0 No clause</u>				
<u>A14.0 SECURITY</u>				
13 Clause 14.0 Clauses 14.1 - 14.8 are amended by replacing them with the following: 14.1 In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) 14.1.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A) 14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor 14.2 In respect of				
Carried to Collection			R	
Section No. 1				
Bill No. 1				
Preliminaries				

8

	Unit	Quantity	Rate	Amount
<p>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:</p> <p>14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date 14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor 14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor 14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor 14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor 14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party 14.4 Where security as a variable construction guarantee of ten per cent (10%) of the contract sum (excluding VAT) has been selected: 14.4.1 The contractor shall</p>				
Carried to Collection			R	
Section No. 1				
Bill No. 1				
Preliminaries				

	Unit	Quantity	Rate	Amount
<p>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</p> <p>(5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected: 14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT) 14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate 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</p> <p>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</p>				
<p>Carried to Collection</p>			R	
<p>Section No. 1 Bill No. 1 Preliminaries</p>				

		Unit	Quantity	Rate	Amount
	<p>completion of the works the employer shall refund the cash deposit in total to the contractor 14.6.3 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)</p> <p>14.6.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both</p> <p>14.7 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.7.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(B)</p> <p>14.7.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the contractor</p> <p>14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not</p> <p>prejudice the rights of the employer or contractor in terms of this agreement</p> <p>14.9 Should the contractor fail to furnish the security in terms of 14.2, the employer, in his sole discretion and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), whereafter 14.7 shall be applicable</p> <p><u>EXECUTION</u></p> <p><u>A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS</u></p> <p>14 Clause 15.0 Clause 15.1.1 is amended by replacing it with: No clause Clause 15.1.2 is amended by replacing it with: The security selected in terms of 14.0 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 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 15.1.4</p> <p><u>A16.0 ACCESS TO THE WORKS</u></p> <p>15 Clause 16.0</p>	Item			
		Item			
		Item			
	Carried to Collection			R	
	Section No. 1				
	Bill No. 1				
	Preliminaries				

		Unit	Quantity	Rate	Amount
	<u>A17.0 CONTRACT INSTRUCTIONS</u>				
16	Clause 17.0	Item			
	<u>A18.0 SETTING OUT OF THE WORKS</u>				
17	Clause 18.0	Item			
	<u>A19.0 ASSIGNMENT</u>				
18	Clause 19.0	Item			
	<u>A20.0 NOMINATED SUBCONTRACTORS</u>				
19	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	Item			
	<u>A21.0 SELECTED SUBCONTRACTORS</u>				
20	Clause 21.0	Item			
	<u>A22.0 EMPLOYER'S DIRECT CONTRACTORS</u>				
21	Clause 22.0	Item			
	<u>A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</u>				
22	Clause 23.0	Item			
	<u>COMPLETION</u>				
	<u>A24.0 PRACTICAL COMPLETION</u>				
23	Clause 24.0	Item			
	<u>A25.0 WORKS COMPLETION</u>				
24	Clause 25.0	Item			
	<u>A26.0 FINAL COMPLETION</u>				
25	Clause 26.0 Clause 26.1.2 is amended by inserting '#' next to 26.1.2	Item			
	<u>A27.0 LATENT DEFECTS LIABILITY PERIOD</u>				
26	Clause 27.0	Item			
	<u>A28.0 SECTIONAL COMPLETION</u>				
27	Clause 28.0	Item			
	<u>A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION</u>				
28	Clause 29.0	Item			
Carried to Collection				R	
Section No. 1					
Bill No. 1					
Preliminaries					

	Unit	Quantity	Rate	Amount
<u>A30.0 PENALTY FOR NON-COMPLETION</u>				
29	Item			
<u>PAYMENT</u>				
<u>A31.0 INTERIM PAYMENT TO THE CONTRACTOR</u>				
30				
<p>Clause 30.0</p> <p>Clause 31.0 Clause 31.5.2 is amended by replacing '14.7.1 with '14.0' Clause 31.8 is amended by replacing it with the following two alternative clauses: Alternative A 31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments: 31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion 31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion 31.8(A).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6 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 as a payment reduction in terms of 14.7 has been selected, 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</p>				
Carried to Collection			R	
Section No. 1				
Bill No. 1				
Preliminaries				

	Unit	Quantity	Rate	Amount
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 Clause 31.12 is amended by deleting the following: Payment shall be subject to the employer giving the contractor a tax invoice for the amount due	Item			
A32.0 ADJUSTMENT TO THE CONTRACT VALUE				
31 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'	Item			
A33.0 RECOVERY OF EXPENSE AND LOSS				
32 Clause 33.0	Item			
A34.0 FINAL ACCOUNT AND FINAL PAYMENT				
33 Clause 34.0	Item			
A35.0 PAYMENT TO OTHER PARTIES				
34 Clause 35.0	Item			
CANCELLATION				
A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT				
35 Clause 36.0 Clause 36.1 is amended by the addition of the following clauses: 36.1.3 refuses or neglects to comply strictly with any of the conditions of contract 36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa 36.1.5 in the judgment of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract Clause 36.3 is amended by removing the reference to 'No clause' and replacing the words 'principal agent' with 'employer'				
			R	
Carried to Collection				
Section No. 1				
Bill No. 1				
Preliminaries				

		Unit	Quantity	Rate	Amount
	<p>Clause 36.0 is amended by the addition of the following clause: 36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p><u>A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE</u></p>	Item			
36	<p>Clause 37.0</p> <p>Clause 37.0 is ammended by the addition of the following clause:35.5</p> <p>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 ground of any other right whatsoever</p> <p><u>A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT</u></p>	Item			
37	<p>Clause 38.0</p> <p>Clause 38.0 is amended by the addition of the following clause: 38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p><u>A39.0 CANCELLATION - CESSATION OF THE WORKS</u></p>	Item			
38	<p>Clause 39.0 Clause 39.3.5 is amended by the addition of the following at the end of the sentence: 'within one hundred and twenty (120) working days of completion of such a report'</p>	Item			
Carried to Collection				R	
Section No. 1					
Bill No. 1					
Preliminaries					

16

		Unit	Quantity	Rate	Amount
53	B3.5 Previous work - dimensional accuracy	Item			
54	B3.6 Previous work - defects	Item			
55	B3.7 Services - known	Item			
56	B3.8 Services - unknown	Item			
57	B3.9 Protection of trees	Item			
58	B3.10 Articles of value	Item			
59	B3.11 Inspection of adjoining properties	Item			
	<u>B4.0 MANAGEMENT OF CONTRACT</u>				
60	B4.1 Management of the works	Item			
61	B4.2 Programme for the works	Item			
62	B4.3 Progress meetings	Item			
63	B4.4 Technical meetings	Item			
64	B4.5 Labour and plant records	Item			
	<u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>				
65	B5.1 Samples of materials	Item			
66	B5.2 Workmanship samples	Item			
67	B5.3 Shop drawings	Item			
68	B5.4 Compliance with manufacturers' instructions	Item			
	<u>B6.0 TEMPORARY WORKS AND PLANT</u>				
69	B6.1 Deposits and fees	Item			
70	B6.2 Enclosure of the works	Item			
71	B6.3 Advertising	Item			
72	B6.4 Plant, equipment, sheds and offices	Item			
73	B6.5 Main notice board	Item			
74	B6.6 Subcontractors' notice board	Item			
	<u>B7.0 TEMPORARY SERVICES</u>				
75	B7.1 Location	Item			
76	B7.2 Water	Item			
77	B7.3 Electricity	Item			
	Carried to Collection			R	
	Section No. 1				
	Bill No. 1				
	Preliminaries				

17

		Unit	Quantity	Rate	Amount
78	B7.4 Telecommunication facilities	Item			
79	B7.5 Ablution facilities	Item			
	<u>B8.0 PRIME COST AMOUNTS</u>				
80	B8.1 Responsibility for prime cost amounts	Item			
	<u>B9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u>				
81	B9.1 General Attendance	Item			
82	B9.2 Special Attendance	Item			
83	B9.3 Commissioning - fuel, water and electricity	Item			
	<u>B10.0 FINANCIAL ASPECTS</u>				
84	B10.1 Statutory taxes, duties and levies	Item			
85	B10.2 Payment of preliminaries	Item			
86	B10.3 Adjustment of preliminaries Clauses B10.3.1 and B10.3.2 are amended by replacing 'within fifteen (15) working days of taking possession of the site' with 'when submitting his priced bills of quantities / lump sum document'	Item			
87	B10.4 Payment certificate cash flow	Item			
	<u>B11.0 GENERAL</u>				
88	B11.1 Protection of the works	Item			
89	B11.2 Protection/isolation of existing/sectionally occupied works	Item			
90	B11.3 Security of the works	Item			
91	B11.4 Notice before covering work	Item			
92	B11.5 Disturbance	Item			
93	B11.6 Environmental disturbance	Item			
94	B11.7 Works cleaning and clearing	Item			
95	B11.8 Vermin	Item			
96	B11.9 Overhand work	Item			
97	B11.10 Instruction manuals and guarantees	Item			
98	B11.11 As built information	Item			
99	B11.12 Tenant installations	Item			
	Carried to Collection			R	
	Section No. 1 Bill No. 1 Preliminaries				

18

	Unit	Quantity	Rate	Amount
12.1 PRE-TENDER INFORMATION				
12.1.1 Provisional bills of quantities [2.2] The quantities are provisional (Yes/No). Yes				
12.1.2 Availability of construction documentation [2.3] Construction documentation is not complete (Yes/No). No				
12.1.3 Interests of agents [2.4] Details:				
12.1.4 Defined works area [3.1] Details:				
12.1.6 Existing premises occupied [3.4] Specific requirements: The premises will be vacated for the duration of the contract period.				
12.1.7 Previous work - dimensional accuracy [3.5] Details:				
12.1.8 Previous work - defects [3.6] Details:				
12.1.9 Services - known [3.7] Details:				
12.1.10 Protection of trees [3.9] Specific requirements: The contractor is to preserve all trees on site and is to request instruction from the principal agent where trees are constricting the work areas or progress of work.				
12.1.11 Inspection of adjoining properties [3.11] Specific requirements: The contractor is to ensure that no harm comes to adjoining buildings or property during the progress of the works.				
12.1.12 Enclosure of the works [6.2] Specific requirements: The contractor is to enclose the works in the manner necessary to prevent members of the public, the client's workers or any other persons from being hurt due to coming into areas where construction activities are under way.				
12.1.13 Offices [6.4.3] Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.				
12.1.14 Main notice board [6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge.				
			R	
Carried to Collection				
Section No. 1				
Bill No. 1				
Preliminaries				

	Unit	Quantity	Rate	Amount
<p>The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering</p> <p>12.1.15 Subcontractors' notice board [6.6] A Notice Board is required (Yes/No). No Specific requirements: Not Applicable</p> <p>12.1.16 Water [7.2] Option A - by Contractor Option A Applicable Option B - by employer (free of charge) Option C - by employer (metered)</p> <p>12.1.17 Electricity [7.3] Option A - by Contractor Option A Applicable Option B - by employer (free of charge) Option C - by employer (metered)</p> <p>12.1.18 Telecommunications [7.4] Telephone (Yes/No) Yes Facsimile (Yes/No) No</p> <p>12.1.19 Ablution facilities [7.5] Option A (by contractor) (Yes/No) Option A Applicable Option B (by employer) (Yes/No)</p> <p>12.1.20 Protection of existing/sectionally occupied works [11.2] Protection is required (Yes/No) Yes</p> <p>12.1.21 Special attendance [9.2] Subcontractor (1) details: Not applicable</p> <p>12.1.22 Protection of the works [11.1] Specific requirements: All precautions are to be taken to prevent damage or harm to the works. The client is to be indemnified against any and all eventualities. The existing buildings are to be insured against damage by the employer. However the contractor is to take all necessary precautions to prevent damage to existing buildings and property whilst he is in possession of the site.</p> <p>12.1.23 Disturbance [11.5] Specific requirements: The contractor shall keep the site, structures, etc. well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent</p>				
Section No. 1				
Bill No. 1				
Preliminaries				
Carried to Collection			R	

21

		Unit	Quantity	Rate	Amount
	<u>C3 TRADE NAMES</u>				
102	Wherever a trade name for any product has been described in the bills of quantities, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders. If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for	Item			
	<u>C4 IMPORTED MATERIALS AND EQUIPMENT</u>				
103	Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)	Item			
	<u>C5 VIEWING THE SITE IN SECURITY AREAS</u>				
104	The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes	Item			
	<u>C6 COMMENCEMENT OF WORKS IN SECURITY AREAS</u>				
105	As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account	Item			
	<u>C7 ENTRANCE PERMITS TO SECURITY AREAS</u>				
106	As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer	Item			
Carried to Collection				R	
Section No. 1					
Bill No. 1					
Preliminaries					

		Unit	Quantity	Rate	Amount
	<u>C8 SECURITY CHECK OF PERSONNEL</u>				
107	The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified. In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works	Item			
	<u>C9 PROHIBITION ON TAKING OF PHOTOGRAPHS</u>				
108	In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister. The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959	Item			
	<u>C10 HIV/AIDS AWARENESS</u>				
	It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. The contractor must take note that compliance with the HIV/AIDS Specification is compulsory.				
	In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment				
	Carried to Collection			R	
	Section No. 1				
	Bill No. 1				
	Preliminaries				

		Unit	Quantity	Rate	Amount
	<u>C10.1 AWARENESS CHAMPION</u>				
109	Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification	Item			
	<u>C10.2 AWARENESS WORKSHOPS</u>				
110	Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification	Item			
	<u>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.</u>				
111	Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification	Item			
	<u>C10.4 ACCESS TO CONDOMS</u>				
112	Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification	Item			
	<u>C10.5 MONITORING</u>				
113	Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification	Item			
Carried to Collection				R	
Section No. 1					
Bill No. 1					
Preliminaries					

		Unit	Quantity	Rate	Amount
<u>C11 OCCUPATIONAL HEALTH AND SAFETY ACT</u>					
114	<p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993). It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory.</p> <p>In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment. Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p>The Contractor is to price the health and safety bill of quantities located in the OHS Appendix A, the Contractor must sign the Certificate of Acquittance as evidence that he is au fait regarding the contents, obligations and demands of the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications. Failure, by the Tenderer, to sign the Certificate of Acquaintance may result in the Tender being deemed non-responsive.</p>	Item			
Carried to Collection				R	
Section No. 1					
Bill No. 1					
Preliminaries					

BILL NO. 1
PRELIMINARIES
COLLECTION

Page No

Amount

Brought Forward from Page

- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24

Carried to Next

R

Brought from Previous

R

25

Carried To Section Summary

R

SECTION NO. 1
PRELIMINARIES
SECTION SUMMARY

Bill No.
1

PRELIMINARIES

Page
27

Carried to Final Summary

Section No. 1
SECTION SUMMARY

R

SECTION NO. 2

ALTERATIONS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>ALTERATIONS</u> <u>BILL NO. 1</u> <u>ALTERATIONS</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>View site</u> <p>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <u>Explosives</u> <p>No explosives whatsoever may be used for alteration purposes unless otherwise stated</p> <u>General</u> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide , erect and remove when directed , any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc.)</p> <u>TEMPORARY BARRICADES, SCREENS, ETC</u> <u>Temporary barricades, screens, roofs, etc including removal</u>				
1				
Dust screen, 2 m high of suitable timber framing with 375 micron polyethylene sheeting stapled on on one side , including corners, ends, etc	m	520		
Carried to Collection			R	
Section No. 2				
Bill No. 1				
Alterations				

		Unit	Quantity	Rate	Amount
<u>REMOVAL OF EXISTING WORK</u>					
<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>					
2	100mm Thick slabs	m ²	351		
<u>Breaking down and removing brickwork etc</u>					
3	Half brick walls in beamfilling	m ²	310		
4	One brick walls	m ²	43		
<u>Taking out and removing doors, windows, etc from brickwork</u>					
5	Timber single door and frame not exceeding 2,5m	No	44		
6	Timber double door and frame exceeding 2,5m and not exceeding 5m	No	4		
<u>Taking out and removing doors, windows, etc, including thresholds, sills, etc., setting aside for re-use and later refixing in similar new position</u>					
7	Glazed steel window not exceeding 2,5m ² from half or one brick wall	No	193		
8	Glazed steel window exceeding 2,5m ² and not exceeding 5,0m ² from half or one brick wall	No	15		
<u>Taking down and removing asbestos roof coverings not exceeding 50 degrees complete with ridge and hip capping, fittings, flashing, etc, and dispose off site by an approved specialist</u>					
9	Asbestos roof sheeting and timber purlins	m ²	2,347		
<u>Taking down and Removing Timber Roof Structure</u>					
10	Timber roof structure complete with total area 8m ² (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	1		
11	Timber roof structure complete with total area 80m ² (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	1		
12	Timber roof structure complete with total area 100m ² (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	2		
13	Timber roof structure complete with total area 350m ² (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	1		
Carried to Collection				R	
Section No. 2					
Bill No. 1					
Alterations					

		Unit	Quantity	Rate	Amount
14	Timber roof structure complete with total area 380m2 (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	1		
15	Timber roof structure complete with total area 560m2 (Measure on plan) including trusses, permanent bracing, gangboarding, purlins etc.	No	1		
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>				
16	Fibre cement or timber fascials	m	419		
17	Fibre cement or timber barge boards	m	182		
18	Gypsum plasterboard ceilings, including timber bandering, cornices, etc	m ²	294		
	<u>Removal of existing rainwater goods</u>				
19	Sheet metal eaves gutter and brackets	m	390		
20	Sheet metal rainwater pipe and holderbats	m	56		
	<u>Taking out and removing sundry joinery work, fittings, etc</u>				
21	Pinning Board overall size not exceeding 2,5m2	No	18		
22	Green writing board not exceeding 6,0m2	No	18		
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>				
23	25mm Granolithic from floors	m ²	176		
24	25 mm Screed from floors	m ²	1,686		
25	Internal plaster from walls and columns	m ²	20		
	<u>OPENINGS THROUGH EXISTING WALLS ETC</u>				
	<u>Breaking out for and forming openings through brick walls for new windows, including prestressed concrete lintels, making good cement plaster on both sides and into reveals and with sloping fibre-cement sills on outside and flat fibre-cement sills on inside (new windows and making good paintwork elsewhere)</u>				
26	Opening for window 1 x 1.20m high through one brick wall	No	72		
Carried to Collection				R	
Section No. 2					
Bill No. 1					
Alterations					

		Unit	Quantity	Rate	Amount
<u>Servicing of Existing metal work</u>					
<u>Service existing steel windows</u>					
27	Overhaul, adjust and service opening sections ensure proper operation	No	193		
28	Extra on servicing existing steel window sash for supply and fitting new handle	No	193		
29	Extra on servicing existing steel window sash for supply and fitting new sliding tray	No	193		
<u>TEMPORARY PARKHOMES</u>					
Rates for parkhomes to include standard windows, doors, burglar bars, gates, curtains and track, light fittings, chalk board and pinning boards					
<u>"M-Projects" or equal approved temporary parkhome units</u>					
<u>Provide temporary parkhomes on site for temporary educational facilities during the construction phase as herewith measured, including levelling, positioning on site and connections to an electrical supply including issuing compliance certificates</u>					
<u>Parkhomes are to be standard classroom size of minimum 7 x 7m or nearest size</u>					
30	Provision of Parkhomes	No	22		
31	Provision of two tier steps	No	22		
32	Provision of electrical compliance certificates for parkhomes	No	22		
33	Transport to and from site of parkhomes as per distance between supplier and site	No	22		
<u>UNFORSEEN REMEDIAL WORK</u>					
34	Provide the sum of R 150 000.00(One Hundred and Fifty Thousand Rand)for unforeseen remedial work to existing structures to be used as directed by the Principal Agent and deducted in part or whole as required	Item			
Carried to Collection				R	
Section No. 2					
Bill No. 1					
Alterations					

BILL NO. 1
ALTERATIONS
COLLECTION

Page No

Brought Forward from Page

30
31
32
33

Carried To Section Summary

R

SECTION NO. 2
ALTERATIONS
SECTION SUMMARY

Bill No.
1

ALTERATIONS

Page
34

Amount

Section No. 2
SECTION SUMMARY

Carried to Final Summary

R

SECTION NO. 3
BUILDING WORKS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BUILDING WORKS</u>				
<u>BILL NO. 1</u>				
<u>EARTHWORKS</u>				
<u>EARTHWORKS (PROVISIONAL)</u>				
<u>Nature of ground</u>				
The nature of the ground is assumed to be loose sandy material, therefore earth, but possibly interspersed with soft rock or hard rock				
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>				
<u>Excavation in earth not exceeding 2m deep</u>				
1 Reduced levels under floors	m ³	211		
2 Trenches	m ³	37		
<u>Extra over bulk excavations in earth for excavation in</u>				
3 Soft rock	m ³	23		
4 Hard rock	m ³	12		
<u>Extra over all excavations for carting away</u>				
5 Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	211		
<u>Risk of collapse of excavations</u>				
6 Sides of trench and hole excavations not exceeding 1,5m deep	m ²	421		
<u>Keeping excavations free of water</u>				
7 Keeping excavations free of all water other than subterranean water	Item			
<u>FILLING, ETC</u>				
<u>Filling of natural gravel material (G5) supplied by the contractor, compacted to 98% Mod AASHTO density</u>				
8 Under floors, steps, pavings, etc	m ³	149		
<u>Filling of coarse river sand supplied by the contractor, consolidated</u>				
9 Under floors etc	m ³	18		
<u>Filling of hardcore, consolidated</u>				
10 Under floors etc	m ³	26		
Carried to Collection			R	
Section No. 3				
Bill No. 1				
Earthworks				

		Unit	Quantity	Rate	Amount
	<u>Compaction of ground surfaces</u>				
11	Compaction of natural or excavated ground surface under floors etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m ²	176		
	<u>WEED KILLERS, INSECTICIDES, ETC</u>				
	<u>Soil insecticide in accordance with SANS 5859</u>				
12	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m ²	596		
	<u>TESTS</u>				
	<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>				
13	Modified AASHTO Density test	No	7		
Carried to Collection				R	
Section No. 3					
Bill No. 1					
Earthworks					

BILL NO. 1
EARTHWORKS
COLLECTION

Page No

Brought Forward from Page

37
38

Carried To Section Summary

R

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BUILDING WORKS</u>				
<u>BILL NO. 2</u>				
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
<u>UNREINFORCED CONCRETE CAST ON/IN FORMWORK</u>				
<u>15Mpa/19mm concrete</u>				
1 Blinding	m ³	6		
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>				
<u>25MPa/19mm concrete</u>				
2 Strip footings	m ³	31		
3 Surface beds cast in panels on waterproofing	m ³	18		
<u>TEST CUBES</u>				
<u>Test Cubes</u>				
4 Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	Item			
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float</u>				
5 Surface beds, slabs, etc	m ²	176		
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)</u>				
<u>Rough formwork to sides</u>				
6 Edges, risers, ends and reveals not exceeding 300mm high or wide	m	190		
<u>MOVEMENT JOINTS ETC</u>				
<u>Expansion joints with bitumen impregnated softboard between vertical concrete surfaces</u>				
7 12mm joints not exceeding 300mm high	m	176		
<u>Saw-cut joints</u>				
8 6 x 10mm Saw-cut joints in top of concrete	m	411		
<u>REINFORCEMENT (CPAP WORK GROUP NO. 114)</u>				
<u>Fabric reinforcement</u>				
9 Type 395 fabric reinforcement in concrete surface beds etc	m ²	176		
Carried To Section Summary			R	
Section No. 3				
Bill No. 2				
Concrete, Formwork And Reinforcement				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BUILDING WORKS</u>				
<u>BILL NO. 3</u>				
<u>MASONRY</u>				
<u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u>				
<u>Brickwork of NFX bricks in class II mortar</u>				
1 One brick walls	m ²	208		
<u>SUPERSTRUCTURE</u>				
<u>Brickwork of NFP bricks in class II mortar</u>				
2 Half brick walls in beam filing	m ²	310		
3 One brick wall	m ²	19		
<u>BRICKWORK SUNDRIES</u>				
<u>Brickwork reinforcement</u>				
4 75mm wide reinforcement built in horizontally	m	621		
5 150mm wide reinforcement built in horizontally	m	2,675		
<u>FACE BRICKWORK</u>				
<u>Face brickwork to be 'Corobrik' Firelight Satin FBX of 20-30MPA nominal compressive strenght in Class II mortar with recessed horizontal and vertical joints</u>				
6 Extra over brickwork in NFX brickwork for face brickwork in foundations (Provisional)	m ²	19		
<u>Brick-on-edge header course copings, sills, etc of face bricks, pointed with recessed joints on all exposed faces</u>				
7 220mm Copings on top of one brick walls	m	215		
Carried To Section Summary			R	
Section No. 3				
Bill No. 3				
Masonry				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>BUILDING WORKS</u> <u>BILL NO. 4</u> <u>WATERPROOFING</u> <u>WATERPROOFING</u> <u>DAMPPROOFING OF WALLS AND FLOORS</u> <u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
1 Under surface beds	m ²	176		
<u>WATERSTOPS, SEALING STRIPS, JOINT SEALANTS, ETC</u> <u>Silicone sealing compound including backing cord, bond breaker, primer, etc</u>				
2 'Bostik' silicon sealant applied with a pressure caulking gun sealing around metal window and timber door frames	m	1,162		
<u>Two-part grey polyurethane sealing compound including backing cord, bond breaker, primer, etc</u>				
3 10mm In expansion joints in floors including raking out expansion joint filler as necessary	m	425		
Carried To Section Summary			R	
Section No. 3				
Bill No. 4				
Waterproofing				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BUILDING WORKS</u>				
<u>BILL NO. 5</u>				
<u>ROOF COVERINGS</u>				
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
<u>0,53mm 'Brownbuilt' Z275 spelter galvanised ribbed steel with 'Chromadek' finished to one side, in single length fixed to timber or steel purlins and 0,53mm galvanised sheet steel accessories</u>				
1	Roof covering with pitches not exceeding 25 degrees	m ²	2,347	
2	Ridge capping 450mm girth	m	213	
3	Broad flute serrated poly ridge closers	m	425	
<u>"sondor"</u>				
4	Sondor corrugated pattern polyclosers at ridge and eaves	m	213	
<u>ROOF AND WALL INSULATION</u>				
<u>Multi-layered reinforced double-sided aluminium foil sheeting in accordance with SANS 1381-4 with a mass of not less than 293g/m² and a Class I fire rating in accordance with SANS 0177-3</u>				
5	Insulation sheeting fixed to underside of rafters (at approximately 750mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m ²	1,956	
Carried To Section Summary			R	
Section No. 3				
Bill No. 5				
Roof Coverings				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BUILDING WORKS</u>				
<u>BILL NO. 6</u>				
<u>CARPENTRY AND JOINERY</u>				
<u>STRUCTURAL TIMBERWORK ETC</u>				
<u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u>				
<u>Sawn softwood grade 4</u>				
1	38 x 114mm Wall plates	m	414	
2	38 x 114mm Longitudinal bracing	m	430	
3	38 x 114mm Cross bracing	m	720	
4	50 x 76mm Purlins	m	2,575	
5	76 x 75mm Splayed Purlins	m	414	
6	50 x 76mm Trimmers	m	414	
<u>Roof Trusses</u>				
7	Roof construction to double pitched roof with gable ends with total area 8m2 (Measure on plan) with 600mm wide over hang on the eaves side and 400mm overhang on the gable side, all in accordance to the Architectural specifications, including trusses.	No	1	
8	Roof construction to double pitched roof with gable ends with total area 80m2 (Measure on plan) with 600mm wide over hang on the eaves side and 400mm overhang on the gable side, all in accordance to the Architectural specifications, including trusses.	No	1	
9	Roof construction to double pitched roof with gable ends with total area 100m2 (Measure on plan) with 600mm wide over hang on the eaves side and 400mm overhang on the gable side, all in accordance to the Architectural specifications, including trusses.	No	2	
10	Roof construction to double pitched roof with gable ends with total area 350m2 (Measure on plan) with 600mm wide over hang on the eaves side and 400mm overhang on the gable side, all in accordance to the Architectural specifications, including trusses.	No	1	
Carried to Collection			R	
Section No. 3				
Bill No. 6				
Carpentry And Joinery				

		Unit	Quantity	Rate	Amount
11	Roof construction to double pitched roof with gable ends with total area 380m ² (Measure on plan) with 600mm wide over hang on the eaves side and 400mm overhang on the gable side, all in accordance to the Architectural specifications, including trusses.	No	3		
12	Roof construction to double pitched roof with gable ends with total area 560m ² (Measure on plan) with 600mm wide over hang on the eaves side and 400mm overhang on the gable side, all in accordance to the Architectural specifications, including trusses.	No	1		
	<u>Sundries</u>				
13	Wrought faces on sawn timbers	m ²	248		
14	Two coats creosote on sawn timbers	m ²	248		
15	'Teco' two way hurricane clips	No	3,182		
16	4mm diameter Galvanised hoop iron roof tie 2m girth, bent double with one end fixed to the timber and other end built into brickwork	No	810		
	<u>EAVES, VERGES, ETC</u>				
	<u>'Everite FC77' pressed fibre-Cement</u>				
17	10 x 225mm Fascias, including galvanised steel H-profile joiners fixed to timber	m	414		
18	10 x 80 x 260mm L-shaped barge boards including galvanised steel H-profile jointing strips	m	188		
	<u>DOORS ETC</u>				
	<u>'Meranti' doors formed 40 x 110mm stiles and top rail, 20 x 150mm ledge and 20 x 110mm braces and 20 x 225mm bottom ledge, filled in flush on outer face with 20 x 75mm V-jointed vertical boarding, top rail and door hung to steel door frame</u>				
19	40mm thick framed, ledged and braced batten door 813 x 2032mm high and with 38 x 76mm (Extreme) once rebated, once chamfered and once hollow grooved weatherboard frame into bottom ledge, bedded in white lead, screwed and pelleted.	No	44		
20	Timber double door and frame exceeding 2,5m ² and not exceeding 5m ²	No	4		
	Carried to Collection			R	
	Section No. 3				
	Bill No. 6				
	Carpentry And Joinery				

BILL NO. 6
CARPENTRY AND JOINERY
COLLECTION

Page No

Brought Forward from Page

44
45

Carried To Section Summary

R

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>					
<u>BUILDING WORKS</u>					
<u>BILL NO. 7</u>					
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>					
<u>CEILING TIMBERS, BEADS, INSULATION, ETC</u>					
<u>'Aerolite' insulation</u>					
1	100mm Insulation in blanket form closely fitted and laid on top of brandering between roof timbers etc	m ²	1,956		
<u>NAILED-UP CEILINGS</u>					
<u>9,5mm 'Rhino' Gypsum plasterboard with H-profile pressed steel jointing strips</u>					
2	Ceilings including 38 x 50mm sawn softwood brandering at 450mm centres	m ²	1,956		
3	Extra over ceiling for 600 x 600mm trap door of 38 x 114mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	24		
<u>'Rhino' Gypsum plasterboard cornices</u>					
4	75mm Coved cornices	m	570		
Carried To Section Summary				R	
Section No. 3					
Bill No. 7					
Ceilings Partitions And Access Flooring					

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>					
<u>BUILDING WORKS</u>					
<u>BILL NO. 8</u>					
<u>IRONMONGERY</u>					
<u>HINGES, BOLTS, ETC</u>					
<u>'Solid' or similar approved</u>					
1	100mm Brass hinge with nylon washers	No	156		
<u>LOCKS</u>					
<u>Manufactured by 'Solid'</u>					
<u>The following locks are to be suitable for Master key operation</u>					
2	"Reference 390/313" Four lever lockset with striking plate fixed to metal frame	No	48		
3	Master key	No	1		
<u>HANDLES</u>					
<u>Manufactured by 'Union'</u>					
4	'SS5515-150BTSS' pull handle	No	56		
<u>SUNDRIES</u>					
<u>Manufactured by 'Solid'</u>					
5	Ref '87001SS door stop , plugged	No	52		
6	"solid Art 250" Coat hook	No	48		
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>					
<u>Manufactured by 'Flortime'</u>					
7	Pinning board 1200 x 900mm high overall of 9mm pinning board glued to 12mm chipboard backboard plugged and screwed and framed with 30 x 60mm wrought meranti varnished frame (Provisional)	No	20		
8	'Vitrex' green writing board 4800 x 1140mm high with chalk rail plugged	No	18		
Carried To Section Summary				R	
Section No. 3					
Bill No. 8					
Ironmongery					

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BUILDING WORKS</u>				
<u>BILL NO. 9</u>				
<u>METALWORK</u>				
<u>STEEL GATES, SCREENS, ETC</u>				
<u>Welded screens and gates to ?</u>				
1 Double gate 1640 x 2050mm high of 60 x 40 x 2,5mm hollow section frame filled in with 40 x 20 x 2,5mm hollow section verticals at 120mm centres, fitted with narrow stile lock box and backing plate and two 100mm heavy duty butt hinges welded on	No	2		
<u>PRESSED STEEL DOOR FRAMES</u>				
<u>1,6mm Rebated frames suitable for one brick walls</u>				
2 Frame for door 813 x 2032mm high	No	44		
3 Frame for door 1600 x 2032mm high	No	4		
<u>HOT DIPPED GALVANIZED STEEL WINDOWS, DOORS, ETC</u>				
<u>Standard industrial windows with hot dipped galvanized steel flat bars 20 x 5mm thick to opening sections including all necessary ironmongery, factory fitted:</u>				
4 Window type SS33, 587 x 687mm high (W2)	No	16		
5 Window type SS33, 587 x 987mm high (W2)	No	78		
6 Window type SS33, 987 x 987mm high (W1)	No	1		
7 Window type SS33, 987 x 1445mm high (W2)	No	109		
8 Window type SS33, 987 x 2387mm high (W3)	No	2		
Carried To Section Summary			R	
Section No. 3				
Bill No. 9				
Metalwork				

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>					
<u>BUILDING WORKS</u>					
<u>BILL NO. 10</u>					
<u>PLASTERING</u>					
<u>SCREEDS</u>					
<u>Screeds wood floated, on concrete</u>					
1	30mm Thick on floors and landings	m ²	1,686		
2	30mm Thick on narrow widths	m ²	26		
<u>GRANOLITHIC</u>					
<u>Untinted granolithic, on concrete</u>					
3	25mm thick on floors and landings	m ²	26		
<u>INTERNAL PLASTER</u>					
<u>Cement plaster steel trowelled, on brickwork</u>					
4	On walls	m ²	101		
5	On narrow widths	m ²	26		
<u>EXTERNAL PLASTER</u>					
<u>Cement plaster wood floated for tiles, on brickwork</u>					
6	On walls	m ²	101		
7	On narrow widths	m ²	26		
Carried To Section Summary				R	
Section No. 3					
Bill No. 10					
Plastering					

		Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>					
<u>BUILDING WORKS</u>					
<u>BILL NO. 11</u>					
<u>PLUMBING AND DRAINAGE</u>					
<u>RAINWATER DISPOSAL</u>					
<u>0.6mm seamless aluminium prepainted gutters and rainwater pipes</u>					
1	150 x 100mm Roof gutters including 32 x 3.25mm aluminium brackets at 1m centres	m	58		
2	100 x 75mm Rainwater pipes	m	116		
3	Extra over gutter for stopped end	No	38		
4	Extra over gutter for outlet for 100 x 75mm pipe including wire grating	No	33		
5	Extra over rainwater pipe for bend	No	66		
6	Extra over rainwater pipe for shoe	No	33		
7	Valley gutter	m	25		
Carried To Section Summary				R	
Section No. 3					
Bill No. 11					
Plumbing And Drainage					

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BUILDING WORKS</u>				
<u>BILL NO. 12</u>				
<u>GLAZING</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Float glass</u>				
The term float glass is used for monolithic annealed glass				
<u>Laminated glass</u>				
Laminated glass to have polyvinyl butyral (PVB) interlayer(s)				
<u>GLAZING TO STEEL WITH PUTTY</u>				
<u>4mm Clear float glass</u>				
1 Panes exceeding 0,1m and not exceeding 0,5m	m ²	7		
2 Panes exceeding 0,5m and not exceeding 1m	m ²	47		
3 Panes exceeding 1m and not exceeding 1,5mm	m ²	156		
4 Panes exceeding 2m and not exceeding 2,5m	m ²	5		
Carried To Section Summary			R	
Section No. 3				
Bill No. 12				
Glazing				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 3</u> <u>BUILDING WORKS</u> <u>BILL NO. 13</u> <u>PAINTWORK</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>PREPARATORY WORK TO EXISTING WORK</u> <p>Previously painted plastered surfaces</p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p>Previously painted metal surfaces</p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p>Previously painted wood surfaces</p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p>Paint Specifications All painting shall be done in accordance with specifications unless otherwise described</p>				
<u>ON NEW PLASTERBOARD SURFACES</u> <u>One coat alkali resistant primer and two coats PVA emulsion paint for interior use</u>				
1	Ceilings and cornices (White colour group)	m ²	1,956	
<u>ON NEW FIBRE-CEMENT BOARD SURFACES</u> <u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>				
2	Fascias and barge boards	m ²	256	
<u>ON NEW WOOD SURFACES</u> <u>One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint</u>				
3	Doors	m ²	171	
Carried to Collection			R	
Section No. 3 Bill No. 13 Paintwork				

		Unit	Quantity	Rate	Amount
	<u>ON EXISTING INTERNAL FLOATED PLASTER SURFACES</u>				
	<u>Two coats premium quality polyurethane enamel paint</u>				
4	Internal Walls	m ²	3,130		
5	External Walls	m ²	1,711		
	<u>ON EXISTING METAL SURFACES</u>				
	<u>One coat alkyd based universal undercoat and one coat superior quality universal enamel paint</u>				
6	Windows with burglar bars	m ²	429		
Carried to Collection				R	
Section No. 3					
Bill No. 13					
Paintwork					

BILL NO. 13
PAINTWORK
COLLECTION

Page No

Brought Forward from Page

53
54

Carried To Section Summary

R

		Amount	
<u>SECTION NO. 3</u>			
<u>BUILDING WORKS</u>			
<u>SECTION SUMMARY</u>			
Bill No.		Page	
1	EARTHWORKS	39	
2	CONCRETE, FORMWORK AND REINFORCEMENT	40	
3	MASONRY	41	
4	WATERPROOFING	42	
5	ROOF COVERINGS	43	
6	CARPENTRY AND JOINERY	46	
7	CEILINGS PARTITIONS AND ACCESS FLOORING	47	
8	IRONMONGERY	48	
9	METALWORK	49	
10	PLASTERING	50	
11	PLUMBING AND DRAINAGE	51	
12	GLAZING	52	
13	PAINTWORK	55	
Carried to Final Summary		R	
Section No. 3 SECTION SUMMARY			

SECTION NO. 4
EXTERNAL WORKS

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 4</u>				
<u>EXTERNAL WORKS</u>				
<u>BILL NO. 1</u>				
<u>EXTERNAL WORKS</u>				
<u>WATER TANKS AND PLINTHS (ALL TRADES)</u>				
<u>EARTHWORKS (PROVISIONAL)</u>				
<u>EXCAVATION, FILLING, ETC, OTHER THAN BULK</u>				
<u>Excavation in earth not exceeding 2m deep</u>				
1 Reduced levels under floors	m ³	5		
2 Trenches	m ³	104		
<u>Extra over trench and hole excavations in earth for excavation in:</u>				
3 Intermediate materials	m ³	13		
4 Hard rock materials	m ³	13		
<u>Extra over all excavations for carting away</u>				
5 Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m ³	4		
<u>Risk of collapse of excavations</u>				
6 Sides of trench and hole excavations not exceeding 1,5m deep	m ²	250		
<u>FILLING, ETC</u>				
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 93% Mod AASHTO density</u>				
7 Backfilling to trenches, holes, etc	m ³	12		
<u>Filling of coarse river sand supplied by the contractor, consolidated</u>				
8 Under floors etc	m ³	2		
<u>Filling of hardcore, consolidated</u>				
9 Under floors etc	m ³	17		
<u>Compaction of ground surfaces</u>				
10 compaction of ground surface under floors etc including scarifying to a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m ²	33		
Carried to Collection			R	
Section No. 4				
Bill No. 1				
External Works				

		Unit	Quantity	Rate	Amount
<u>WEED KILLERS, INSECTICIDES, ETC</u>					
<u>Soil insecticide in accordance with SANS 5859</u>					
11	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m ²	33		
12	To bottoms and sides of trenches etc	m ²	316		
<u>TESTS</u>					
<u>Prescribed tests to determine degree of compaction or other properties of ground or filling</u>					
13	Modified AASHTO Density test	No	13		
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>					
<u>Reinforced concrete</u>					
<u>25MPa/19mm concrete</u>					
14	Surface beds cast on waterproofing	m ³	3		
<u>Reinforced concrete cast against excavated surfaces</u>					
<u>25MPa/19mm concrete</u>					
15	Strip Footings	m ³	8		
<u>TEST CUBES</u>					
<u>Test Cubes</u>					
16	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	Item			
<u>CONCRETE SUNDRIES</u>					
<u>Finishing top surfaces of concrete smooth with a wood float</u>					
17	Surface beds, slabs, etc	m ²	33		
<u>SMOOTH FORMWORK (DEGREE OF ACURACY II)</u>					
<u>Class F2 smooth finish formwork to sides</u>					
18	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	83		
<u>Reinforcement (Provisional)</u>					
<u>High tensile steel reinforcement in concrete surface beds, slabs, etc</u>					
19	Various Diameter bars	Tonnes	1.30		
				R	
Carried to Collection					
Section No. 4 Bill No. 1 External Works					

59

		Unit	Quantity	Rate	Amount
	<u>Fabric reinforcement</u>				
20	Type 395 fabric reinforcement in concrete surface beds, slabs etc	m ²	33		
	<u>FOUNDATIONS BRICKWORK</u>				
	<u>Brickwork</u>				
	<u>Brickwork of NFP bricks in class II mortar</u>				
21	One brick walls	m ²	42		
	<u>SUPERSTRUCTURE BRICKWORK</u>				
	<u>Brickwork of NFP bricks in class II mortar</u>				
22	One brick wall	m ²	42		
	<u>Brickwork sundries</u>				
	<u>Brickwork reinforcement</u>				
23	150mm wide reinforcement built in horizontally	m	416		
	<u>Face Brickwork</u>				
	<u>"firelight Satin" face bricks pointed with half round recessed horizontal and vertical joints</u>				
24	Extra over brickwork for facebrick for face brickwork	m ²	42		
25	Extra over brickwork for facebrick for face brickwork in foundations (Provisional)	m ²	28		
	<u>WATERPROOFING</u>				
	<u>Damp-proofing of walls and floors</u>				
	<u>One layer of 250 micron "Consol Plastic Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>				
26	Under surface beds	m ²	33		
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>Taps, valves, etc</u>				
	<u>"cobra watertech"</u>				
27	15mm, 111CP "Star" Pillartap	No	13		
	<u>Tanks etc</u>				
	<u>"Everite" fibre-cement water tanks etc</u>				
28	5000L Polyethylene water tank complete with lid as Pennels and hoisting approximately 700mm above ground level and tied down with steel cables.	No	13		
Carried to Collection				R	
Section No. 4					
Bill No. 1					
External Works					

		Unit	Quantity	Rate	Amount
29	Outlet union for 22mm copper pipe including hole through tank	No	13		
	<u>CONCRETE STORMWATER CHANNELS ETC</u>				
	<u>Reinforced concrete 25MPA in-situ stormwater channels rendered smooth all round, including excavation, formwork, and carting away surplus materials etc</u>				
30	V-Shaped surface channel 1100 x 300mm high extreme cast in lengths to falls not exceeding 2m long with and including type 193 fabric reinforcement, 10mm softboard joint material between panels and abutting walls, raked out to a depth of 20mm and sealed with grey polysulphide sealant	m	571		
31	Extra over for angles, intersections, ends, etc	No	38		
	<u>SECURITY FENCING</u>				
	<u>SITE DEMOLITION WORKS</u>				
32	Take down and remove existing security fencing consisting of weldmesh and steel poles 2.4m high and leveling ground and cart away from site	m	417		
	<u>Site Clearance</u>				
33	Allow for clearing site for the width of 1 000 mm where fencing runs are to be erected including removing trees, shrubs etc. not ex levelling. ceeding 200 mm girth, grubbing up roots	m	417		
34	Excavate in earth and fill adjacent portion to make up levels under fence line	m	111		
	<u>FENCING</u>				
	<u>Galvanised mild steel security fencing</u>				
35	Security fencing 2.2m high formed including four 4mm galvanised straining wires secured to post; the vertical height covered with 50 x 50 x 2,5mm galvanised class A Weldmesh fencing 2000mm high fixed to straining wires with 'Hogring' clips applied at 500mm centres and the top covered with a single row of 500mm flatwrap razor wire attached to and including two strands of barbed wire and weldmesh with 'Hogring' clips at 400mm centres, and at each overlap of the flatwrap with the adjacent flatwrap	m	417		
36	60mm diameter x 3mm wall thickness galvanised intermediate posts 2700mm long, holed six times, fitted on top with pressed steel caps, 150 x 150 x 5mm thick				
Carried to Collection				R	
Section No. 4					
Bill No. 1					
External Works					

		Unit	Quantity	Rate	Amount
	mild steel baseplates welded on at bottom and embedded in and including 300 x 300 x 700mm deep 15MPa mass concrete base at maximum 3m centres	m	85		
37	60mm Diameter x 3mm wall thickness galvanised inclined stay 3000mm long with top end flattened and bolted to posts with and holed for and including 12mm diameter galvanised bolts and other end fitted with 150 x 150 x 5mm galvanised mild steel baseplate welded on and embedded in and including 450 x 760 x 600mm 15MPa mass concrete base	m	85		
38	Extra over fencing for 100mm Diameter x 3mm wall thickness straining or corner post 2700mm long holed six times and fitted on top with a pressed steel cap and other end fitted with 200 x 200 x 5mm thick galvanised mild steel base plate welded on and 15MPa mass concrete base embedded in and including 450x 450 x 700mm deep	m	11		
	<u>WELDED SCREENS, GATES, ETC</u>				
	<u>Hot dipped galvanised after manufacturing steel gates and screens</u>				
39	Security single gate size 1760 x 1850mm high overall, gate in two sections each section consisting of 32 x 32 x 1.6mm square tubing frame, each leaf to have 2 No 32 x 32 x 1.6mm V-Shaped vertical, 1 No 32 x 32 x 1.6mm horizontal and 3 No 12mm solid rod horizontals gate to have VEM 6320H "Valmatex" expanded metal mesh welded to inside of frame with 10 x 30mm flat bar circular feature 680mm diameter , each leaf with three 25mm diameter x 80mm long pin hinges welded to 25 x 3 x 200mm complete with two 60 x 60 x 6mm angle padlock plates welded to frames and holed for padlock.	No	1		
40	Security double gate size 3600 x 1850mm high overall, gate consisting of two single gate leafs. Frames for each leaf size 1763 x 18505mm high overall each leaf has two sections of 32 x 32 x 1.6mm square tubing frame, each section to have 2 No 32 x 32 x 1.6mm V-Shaped vertical, 1 No 32 x 32 x 1.6mm horizontal and 3 No 12mm solid rod horizontals gate to have VEM 6320H "Valmatex" expanded metal mesh welded to inside of frame with 10 x 30mm flat bar circular feature 680mm diameter , each leaf with three 25mm diameter x 80mm long pin hinges welded to 25 x 3 x 200mm complete with two 60 x 60 x 6mm angle padlock plates welded to frames and holed for padlock.	No	1		
	Carried to Collection			R	
	Section No. 4				
	Bill No. 1				
	External Works				

[illegible]

BILL NO. 1
EXTERNAL WORKS
COLLECTION

Page No

Brought Forward from Page

58
59
60
61
62
63

Carried To Section Summary

R

SECTION NO. 4
EXTERNAL WORKS
SECTION SUMMARY

Bill No.
1

EXTERNAL WORKS

Page
64

Section No. 4
SECTION SUMMARY

Carried to Final Summary

R

SECTION NO. 5
PROVISIONAL SUM

SECTION NO. 5**PROVISIONAL SUM****PROVISIONAL SUMS****General**

Work for which budgetary allowances are provided will be measured and valued in accordance with the relevant

building agreement? building contract? and deducted in whole or in part if not required without any compensation for loss of profit on the said allowances

Profit

Where stated, the contractor may allow for profit if required

General attendance on nominated/selected subcontractors

The item 'attendance' which follows each provisional sum for nominated/ selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/ selected subcontractors the contractor's duties as described in clause 12.2 of the JBCC N/S Subcontract Agreement

Special attendance on nominated/selected subcontractors

Where 'special attendance' such as unloading, storing, placing in position, providing special power supplies, specific hoisting, crane and scaffolding requirements, provision of temporary casing and/or other specific protection of the works, special security and clearing away rubbish is required, a separate item describing the specific requirements in detail is to be provided for the pricing of such requirements

Builder's work

Builder's work in connection with specialist services is given elsewhere in these bills of quantities

ELECTRICAL, ELECTRONIC AND MECHANICAL INSTALLATIONS**General electrical installation**

- 1 Provide the sum of R300, 000.00 (Three Hundred Thousand Rand) for general electrical installation

- 2 Profit

- 3 Attendance

LIGHTNING PROTECTION

- 4 Provide the sum of R100, 000.00 (Hundred Thousand Rand) for lightning protection complete

- 5 Profit

Carried To Section Summary

Section No. 5

Bill No. 1

Provisional Sums

Amount

Item 300,000 00

Item

Item

Item 100,000 00

Item

R

		Amount	
6	Attendance	Item	
<u>PLUMBING AND DRAINAGE</u>			
7	Provide the sum of R150,000.00 (One Hundred and Fifty Thousand Rand) for complete plumbing and drainage maintenance works	Item	150,000 00
8	Profit	Item	
9	Attendance	Item	
<u>COMMUNITY LIAISON OFFICER</u>			
10	Provide the sum of R100,000.00 (One Hundred Thousand Rand) for Community Liaison officer	Item	100,000 00
11	Profit	Item	
12	Attendance	Item	
Carried To Section Summary		R	
Section No. 5			
Bill No. 1			
Provisional Sums			

SECTION NO. 5
PROVISIONAL SUM
SECTION SUMMARY

Page

Brought forward from page 67

Brought forward from page 68

Section No. 5
SECTION SUMMARY

Carried to Final Summary

R

Section No.
 FINAL SUMMARY

Page

1 PRELIMINARIES

28

2 ALTERATIONS

35

3 BUILDING WORKS

56

4 EXTERNAL WORKS

65

5 PROVISIONAL SUM

69

ADD: CONTINGENCIES (5%)

Allow contingencies to be used upon approval by the Client in terms of Clause 17 of the JBCC Principal Building Agreement.

SubTotal excluding Value Added Tax

ADD VAT @ 15%:

Carried to Tender

R

FINAL SUMMARY