

Item No	Unit	Quantity	Rate	Amount
<u>SECTION NO. 1</u>				
<u>BILL NO. 1</u>				
<u>PRELIMINARIES</u>				
<u>BUILDING AGREEMENT AND PRELIMINARIES</u>				
The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described				
The JBCC Principal Building Agreement contract data form an integral part of this agreement				
The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities , amended as hereinafter described				
The contractor is deemed to have referred to the above mentioned documents for the full intent and meaning of each clause				
The clauses in the above mentioned documents are hereinafter referred to by clause number and heading only				
Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"				
Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the above mentioned documents				
Carried Forward			R	
Section No. 1 Bill No. 1 Preliminaries				

<p style="text-align: right;">Brought Forward</p> <p><u>PREAMBLES FOR TRADES</u></p> <p><i>The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. <u>Where such preambles are not applicable</u> (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</i></p> <p><i>Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same</i></p> <p><i>The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future</i></p> <p>The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained</p> <p>Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles</p> <p>The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R	
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	Brought Forward			R
	<u>STRUCTURE OF THIS PRELIMINARIES BILL</u>			
	Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement			
	Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries			
	Section C : Any special clauses to meet the particular circumstances of the project			
	<u>PRICING OF PRELIMINARIES</u>			
	Should the contractor select Option A in the contract data for the adjustment of preliminaries , the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)			
	<u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u>			
	<u>Interpretation (A1-A7)</u>			
1	Clause 1.0 - Definitions and interpretation			
	Pricing of bills of quantities			
	The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement . Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities			
	Carried Forward			R
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	Brought Forward			R
	<p>Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained</p> <p>Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary</p> <p>Abbreviated descriptions</p> <p>The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice</p> <p>Legal status of contractor</p> <p>If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:</p> <ol style="list-style-type: none"> 1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement 2. These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons 3. The contractor shall not alter its composition or legal status without the prior written consent of the employer <p>F:..... V:..... T:.....</p>			
2	Clause 2.0 - Law , regulations and notices	Item		
	Carried Forward			R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>			

	Brought Forward		R	
	F:..... V:..... T:.....	Item		
3	Clause 3.0 - Offer and acceptance F:..... V:..... T:.....	Item		
4	Clause 4.0 - Cession and assignment F:..... V:..... T:.....	Item		
5	Clause 5.0 - Documents Value Added Tax Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT) The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any Electronic issue of drawings All drawings for this project will be issued electronically and the contractor shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [5.6] F:..... V:..... T:.....	Item		
6	Clause 6.0 - Employer's agents Delegated authority The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2]. This does not preclude the principal agent from issuing such contract instructions : 1. <u>Architect</u>			
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

<p style="text-align: right;">Brought Forward</p> <p><i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i></p> <p>1.1 Duties [6.2] :</p> <p>The architect is responsible for the architectural design, functional design and quality inspection of the works</p> <p>1.2 Contract instructions [6.2; 17.1] :</p> <p>1.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement</p> <p>1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works</p> <p>1.2.3 The site [13.0]</p> <p>1.2.4 Compliance with the law, regulations and bylaws [2.1]</p> <p>1.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works</p> <p>1.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]</p> <p>1.2.7 Removal or re-execution of work</p> <p>1.2.8 Removal or substitution of any materials and goods</p> <p>1.2.9 Protection of the works</p> <p>1.2.10 Making good physical loss and repairing damage to the works [23.2.2]</p> <p>1.2.11 Rectification of defects [21.2]</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>			R	
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1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion				
1.2.13 Expenditure of budgetary allowances , prime cost amounts and provisional sums				
1.2.14 Appointment of a subcontractor [14.0; 15.0]				
1.2.15 Work by direct contractors [16.0]				
1.2.16 On suspension or termination, protection of the works , removal of construction equipment and surplus materials and goods [29.0] ?				
2. <u>Quantity surveyor</u>				
2.1 Duties [6.2] : The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works				
2.2 Contract instructions [6.2; 17.1] :				
2.2.1 No contract instructions delegated to the quantity surveyor ?				
3. <u>Civil and structural engineer</u>				
<i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i>				
3.1 Duties [6.2] : The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works				
Carried Forward			R	
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<p>3.2 Contract instructions [6.2; 17.1] :</p> <p>3.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement</p> <p>3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works</p> <p>3.2.3 The site [13.0]</p> <p>3.2.4 Compliance with the law, regulations and bylaws [2.1]</p> <p>3.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works</p> <p>3.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]</p> <p>3.2.7 Removal or re-execution of work</p> <p>3.2.8 Removal or substitution of any materials and goods</p> <p>3.2.9 Protection of the works</p> <p>3.2.10 Making good physical loss and repairing damage to the works [23.2.2]</p> <p>3.2.11 Rectification of defects [21.2]</p> <p>3.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion</p> <p>3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums ?</p> <p>4. <u>Mechanical engineer</u></p>			
<p>Section No. 1 Bill No. 1 Preliminaries</p>	Carried Forward	R	

Brought Forward			R	
<p><i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i></p>				
<p>4.1 Duties [6.2] :</p>				
<p>The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works ? and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions</p>				
<p>4.2 Contract instructions [6.2; 17.1] :</p>				
<p>4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement</p>				
<p>4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works</p>				
<p>4.2.3 Compliance with the law, regulations and bylaws [2.1]</p>				
<p>4.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works</p>				
<p>4.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]</p>				
<p>4.2.6 Removal or re-execution of work</p>				
<p>4.2.7 Removal or substitution of any materials and goods</p>				
<p>4.2.8 Protection of the works</p>				
<p>4.2.9 Making good physical loss and repairing damage to the works [23.2.2]</p>				
<p>4.2.10 Rectification of defects [21.2]</p>				
Carried Forward			R	
<p>Section No. 1 Bill No. 1 Preliminaries</p>				

<p style="text-align: right;">Brought Forward</p> <p>4.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion</p> <p>4.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums ?</p> <p>5. <u>Electrical engineer</u></p> <p><i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i></p> <p>5.1 Duties [6.2] :</p> <p>The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works ? and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions</p> <p>5.2 Contract instructions [6.2; 17.1] :</p> <p>5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement</p> <p>5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works</p> <p>5.2.3 Compliance with the law, regulations and bylaws [2.1]</p> <p>5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works</p> <p>5.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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5.2.6 Removal or re-execution of work			
5.2.7 Removal or substitution of any materials and goods			
5.2.8 Protection of the works			
5.2.9 Making good physical loss and repairing damage to the works [23.2.2]			
5.2.10 Rectification of defects [21.2]			
5.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion			
5.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums ?			
6. <u>Wet services engineer</u>			
<i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i>			
6.1 Duties [6.2] :			
The wet services engineer is responsible for all aspects of wet services engineering design and quality inspection of the works			
6.2 Contract instructions [6.2; 17.1] :			
6.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement			
6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
6.2.3 Compliance with the law , regulations and bylaws [2.1]			
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<p style="text-align: right;">Brought Forward</p> <p>6.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works</p> <p>6.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]</p> <p>6.2.6 Removal or re-execution of work</p> <p>6.2.7 Removal or substitution of any materials and goods</p> <p>6.2.8 Protection of the works</p> <p>6.2.9 Making good physical loss and repairing damage to the works [23.2.2]</p> <p>6.2.10 Rectification of defects [21.2]</p> <p>6.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion</p> <p>6.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums ?</p> <p>7. <u>Fire consultant</u></p> <p><i>Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA</i></p> <p>7.1 Duties [6.2] :</p> <p>The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works</p> <p>7.2 Contract instructions [6.2; 17.1] :</p> <p>7.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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7.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
7.2.3 Compliance with the law , regulations and bylaws [2.1]			
7.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works			
7.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]			
7.2.6 Removal or re-execution of work			
7.2.7 Removal or substitution of any materials and goods			
7.2.8 Protection of the works			
7.2.9 Making good physical loss and repairing damage to the works [23.2.2]			
7.2.10 Rectification of defects [21.2]			
7.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion , a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion			
7.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums ?			
8. <u>Health and safety consultant</u>			
8.1 Duties [6.2] :			
<p>The health and safety consultant is responsible for all aspects of health and safety of the works. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works. He shall:</p>			
Carried Forward		R	
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Brought Forward			R
8.1.1	Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended		
8.1.2	Prepare and update the health and safety specification for the works		
8.1.3	Agree with the contractor the health and safety plan for the works		
8.1.4	Carry out regular audits to ensure adherence to the safety plan and compliance with the act and regulations		
8.1.5	Stop the execution of the works where the agreed specification or plan is not adhered to?		
	F:..... V:..... T:.....	Item	
7	Clause 7.0 - Design responsibility		
	F:..... V:..... T:.....	Item	
<u>Insurances and securities (A8-A11)</u>			
8	Clause 8.0 - Works risk		
	F:..... V:..... T:.....	Item	
9	Clause 9.0 - Indemnities		
	F:..... V:..... T:.....	Item	
10	Clause 10.0 - Insurances		
	F:..... V:..... T:.....	Item	
11	Clause 11.0 - Securities		
Guarantee for payment			
Carried Forward			R
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	Brought Forward		R	
	<p>The employer shall not provide to the contractor a guarantee for payment</p> <p>[11.5.1]. The contractor shall consequently waive his lien or right of continuing possession of the works [11.10]?</p> <p>Extension of waiver of lien</p> <p>The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [11.10]</p> <p>F:..... V:..... T:.....</p> <p>Execution (A12 - A17)</p>			
12	<p>Clause 12.0 - Obligations of the parties</p> <p>Office accommodation</p> <p>The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18]</p> <p>Notice board</p> <p>The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]</p> <p>Statutory and other notices</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries</p>			

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	<p>The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard</p> <p>It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto</p> <p>F:..... V:..... T:.....</p>			
13	<p>Clause 13.0 - Setting out</p> <p>F:..... V:..... T:.....</p>	Item		
14	<p>Clause 14.0 - Nominated subcontractors</p> <p>F:..... V:..... T:.....</p>	Item		
15	<p>Clause 15.0 - Selected subcontractors</p> <p>F:..... V:..... T:.....</p>	Item		
16	<p>Clause 16.0 - Direct contractors</p> <p>Attendance on direct contractors</p> <p>In respect of direct contractors the contractor shall:</p> <ol style="list-style-type: none"> 1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials 2. Allow the use of personnel welfare facilities, where provided 3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation 			
	Carried Forward			R
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	Brought Forward		R	
	4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor , in common with others having the like right, while it remains erected on the site [16.1]			
	F:..... V:..... T:.....	Item		
17	Clause 17.0 - Contract instructions			
	? Site instructions			
	Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor ?			
	F:..... V:..... T:.....	Item		
	<u>Completion (A18 - A24)</u>			
18	Clause 18.0 - Interim completion	N/A		
19	Clause 19.0 - Practical completion			
	F:..... V:..... T:.....	Item		
20	Clause 20.0 - Completion in sections			
	F:..... V:..... T:.....	Item		
21	Clause 21.0 - Defects liability period and final completion			
	F:..... V:..... T:.....	Item		
22	Clause 22.0 - Latent defects liability period			
	F:..... V:..... T:.....	Item		
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	Brought Forward			R	
23	<p>Clause 23.0 - Revision of the date for practical completion</p> <p>Substitution of materials and goods</p> <p>The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8; 23.1 & 2]</p> <p>F:..... V:..... T:.....</p>	Item			
24	<p>Clause 24.0 - Penalty for late or non-completion</p> <p>F:..... V:..... T:.....</p> <p>Payment (A25 - A27)</p>	Item			
25	<p>Clause 25.0 - Payment</p> <p>Prices submitted</p> <p>Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing</p> <p>F:..... V:..... T:.....</p>	Item			
26	<p>Clause 26.0 - Adjustment of the contract value and final account</p> <p>Fluctuations in costs</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [26.9.5]</p>				
	Carried Forward			R	
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Tenant installation/user requirements delayed		
There is a possibility that certain works related to tenant installation/user requirements may have to be delayed and may consequently not be executed prior to practical completion		
Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works		
The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission ?		
Cost of claims		
All costs incurred by the contractor in the preparation of claims shall be borne by the contractor . This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6 & 7] from making a determination on costs		
Claims from subcontractors		
The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]		
F:..... V:..... T:.....		Item
27	Clause 27.0 - Recovery of expense and/or loss	
F:..... V:..... T:.....		Item
<u>Suspension and termination (A28 - A29)</u>		
28	Clause 28.0 - Suspension by the contractor	
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	F:..... V:..... T:.....	Item		
29	Clause 29.0 - Termination			
	F:..... V:..... T:.....	Item		
	<u>Dispute resolution (A30)</u>			
30	Clause 30.0 - Dispute resolution			
	F:..... V:..... T:.....	Item		
31	<u>Agreement</u>			
	The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties			
	F:..... V:..... T:.....	Item		
32	<u>Contract data</u>			
	Before submission of his tender the contractor is to complete the tenderer's selections in the contract data			
	F:..... V:..... T:.....	Item		
	<u>SECTION B: GENERAL PRELIMINARIES</u>			
	<i>Should it be necessary to expand on any of the General Preliminaries clauses, the user should list the appropriate General Preliminary clause number and heading and insert the relevant provision under a suitable heading in bold as may be necessary</i>			
	<u>Definitions and interpretation (B1)</u>			
33	Clause 1.1 - Definitions			
	F:..... V:..... T:.....	Item		
	Carried Forward		R	
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	Brought Forward		R	
34	<p>Clause 1.2 - Interpretation</p> <p>F:..... V:..... T:.....</p> <p><u>Documents (B2)</u></p>	Item		
35	<p>Clause 2.1 - Checking of documents</p> <p>F:..... V:..... T:.....</p>	Item		
36	<p>Clause 2.2 - Provisional bills of quantities</p> <p>Multiple procurement</p> <p>These bills of quantities are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally measured and the subsequent trades are budgetary allowances and/or provisional sums</p> <p>F:..... V:..... T:.....</p>	Item		
37	<p>Clause 2.3 - Availability of construction information</p> <p>F:..... V:..... T:.....</p>	Item		
38	<p>Clause 2.4 - Ordering of materials and goods</p> <p>F:..... V:..... T:.....</p> <p><u>Previous work and adjoining properties (B3)</u></p>	Item		
39	<p>Clause 3.1 - Previous work - dimensional accuracy</p> <p>F:..... V:..... T:.....</p>	Item		
40	<p>Clause 3.2 - Previous work - defects</p> <p>F:..... V:..... T:.....</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries</p>			

Brought Forward			R
41	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item	
	<u>The site (B4)</u>		
42	Clause 4.1 - Handover of site in stages F:..... V:..... T:.....	Item	
43	Clause 4.2 - Enclosure of the works F:..... V:..... T:.....	Item	
44	Clause 4.3 - Geotechnical and other investigations F:..... V:..... T:.....	Item	
45	Clause 4.4 - Encroachments F:..... V:..... T:.....	Item	
46	Clause 4.5 - Existing premises occupied F:..... V:..... T:.....	Item	
47	Clause 4.6 - Services - known F:..... V:..... T:.....	Item	
	<u>Management of contract (B5)</u>		
48	Clause 5.1 - Management of the works F:..... V:..... T:.....	Item	
49	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item	
	Carried Forward		R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward			R	
50	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item			
	<u>Samples, shop drawings and manufacturer's instructions (B6)</u>				
51	Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item			
52	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item			
53	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item			
54	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item			
	<u>Deposits and fees (B7)</u>				
55	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item			
	<u>Temporary services (B8)</u>				
56	Clause 8.1 - Water F:..... V:..... T:.....	Item			
57	Clause 8.2 - Electricity F:..... V:..... T:.....	Item			
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries				

Brought Forward			R
58	<p>Clause 8.3 - Ablution and welfare facilities</p> <p>F:..... V:..... T:.....</p>	Item	
59	<p>Clause 8.4 - Communication facilities</p> <p>F:..... V:..... T:.....</p> <p><u>Prime cost amounts (B9)</u></p>	Item	
60	<p>Clause 9.1 - Responsibility for prime cost amounts</p> <p>F:..... V:..... T:.....</p> <p><u>Attendance on subcontractors (B10)</u></p>	Item	
61	<p>Clause 10.1 - General attendance</p> <p><u>User note</u></p> <p><i>General attendance is defined as being the duties of the contractor in terms of clause 12.2 of the JBCC n/s subcontract agreement</i></p> <p>F:..... V:..... T:.....</p>	Item	
62	<p>Clause 10.2 - Special attendance</p> <p><i>It is important to note that general attendance only requires the contractor to "permit the subcontractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right while it remains erected on the site" (refer to 12.2.13 of the JBCC n/s subcontract agreement). Many n/s subcontractors qualify their tenders to exclude scaffolding and/or hoisting facilities. Especially scaffolding could be an expensive item and it may be necessary in order to avoid claims to require the contractor to provide for the extended use of scaffolding for specific subcontracts within a description of "special attendance" in the applicable bill</i></p> <p>F:..... V:..... T:.....</p>	Item	
Carried Forward			R
<p>Section No. 1 Bill No. 1 Preliminaries</p>			

Brought Forward			R
<u>General (B11)</u>			
63	Clause 11.1 - Protection of the works F:..... V:..... T:.....	Item	
64	Clause 11.2 - Protection/isolation of existing works and works occupied in sections F:..... V:..... T:.....	Item	
65	Clause 11.3 - Security of the works F:..... V:..... T:.....	Item	
66	Clause 11.4 - Notice before covering work F:..... V:..... T:.....	Item	
67	Clause 11.5 - Disturbance Disturbance All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever F:..... V:..... T:.....	Item	
68	Clause 11.6 - Environmental disturbance The contractor is to ensure that all roads which border the site and are used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works		
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries			

	Brought Forward			R	
69	<p>Clause 11.7 - Works cleaning and clearing</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item			
70	<p>Clause 11.8 - Vermin</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item			
71	<p>Clause 11.9 - Overhand work</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item			
72	<p>Clause 11.10 - Tenant installations</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item			
73	<p>Clause 11.11 - Advertising</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item			
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>				
74	<p>Warranties for materials and workmanship</p> <p>Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or executing the work and shall deliver same to the principal agent on final completion of the contract</p> <p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so</p>				
	Carried Forward			R	
	<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>				

	Brought Forward			R	
	<p>The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor</p> <p>F:..... V:..... T:.....</p>	Item			
75	<p>Overtime</p> <p>Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer</p> <p>F:..... V:..... T:.....</p>	Item			
76	<p>Co-operation of the contractor for cost management</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget</p> <p>F:..... V:..... T:.....</p>	Item			
77	<p>Overloading</p> <p>The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense</p> <p>F:..... V:..... T:.....</p>	Item			
78	<p>Health and safety</p>				
	Carried Forward			R	
	<p>Section No. 1 Bill No. 1 Preliminaries</p>				

	Brought Forward			R
	<p>Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1]</p> <p>The contractor shall:</p> <ol style="list-style-type: none"> 1. Comply with the health and safety specification for the works 2. Prepare and agree with the health and safety consultant the health and safety plan for the works 3. Cooperate with the health and safety consultant in all respects 4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification 5. Conform to the conditions contained in the employer's health and safety specification <p>F:..... V:..... T:.....</p>			
79	<p>Broad based black economic empowerment (BBB-EE)</p> <p>Tenders submitted will be evaluated taking into account their empowerment rating</p> <p>The employer will be monitoring the broad based black economic empowerment (BBB-EE) status of the contractor throughout the execution of the works</p> <p>The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBB-EE rating including proof of the said rating</p> <p>F:..... V:.....T:.....</p>	Item		
		Item		
	Carried Forward			R
	<p>Section No. 1 Bill No. 1 Preliminaries</p>			

	Brought Forward			R	
80	<p>Advertising rights</p> <p>The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting his obligations under this agreement</p> <p>F:..... V:..... T:.....</p>		Item		
81	<p>Confidentiality</p> <p>The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works</p> <p>No information regarding this project shall be published or disclosed without the prior written consent of the employer</p> <p>F:..... V:..... T:.....</p>		Item		
82	<p>Media releases</p> <p>All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer</p> <p>The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media</p> <p>F:..... V:..... T:.....</p>		Item		
	<u>SUMMARY OF CATEGORIES</u>				
	Category : Fixed R.....				
	Category : Value R.....				
	Category : Time R.....				
	Carried to Final Summary			R	
	Section No. 1				
	Bill No. 1				
	Preliminaries				

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section</p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>General</u></p> <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 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>Carried Forward</p>			<p>R</p>
<p>Section No. 2 Bill No. 1 Alterations</p>			

<p style="text-align: center;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 1 Alterations</p>		R	

Brought Forward				R
<p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Temporary protection, etc. including removal:</u></p> <p>Contractors will be held responsible for all damages, however caused, to floors, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damages at his own expense to the approval of the Principal Agent</p>				
1	Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Principal Agent and make good all work damaged or distributed after completion. (Provisional)	m2	499	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
2	Carefully take out and remove existing metal roof covering including sislation, timber purlins, etc.	m2	499	
Carried Forward				R
<p>Section No. 2 Bill No. 1 Alterations</p>				

**Storm Damage Repairs to
Ndabeni Primary School**

Brought Forward			R	
3	Fibre cement ceilings, including cornices, timber brandering, etc.	m2	338	
4	Existing asbestos fascia boards	m	65	
5	Existing asbestos barge boards	m	31	
<u>Take out and remove doors, windows etc from brickwork to remain including making good cement plaster on both sides</u>				
6	Timber single door 813 x 2032mm high overall	No	7	
<u>Taking out/off and removing glass and mirrors</u>				
7	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere measured)	m2	9	
<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>				
8	Vinyl floor tiles	m2	338	
9	Timber skirting to walls	m	181	
<u>BUDGETARY ALLOWANCES</u>				
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances				
10	Allow the sum of R 50,000.00 for servicing and replacing damaged sanware	Item		50,000.00
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 1				
Alterations				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SHEETING</u>			
	Roof pitch to be 15 degrees & 3 degrees. 0,8mm aluminium roof sheeting with pre-painted G4 colortech finish on both sides complete with fixings, ridge flashing and mastic sealant to all side laps supplied by roof manufacture. determine direction of wind before laying sheets. sheets to project a minimum of 50mm beyond purlins at eaves. sheets to be fixed to 76 x 50mm timber purlins at max. of 1250mm centers on prefabricated trusses by engineer at max. of 1250mm centers to be strapped to 114 x 38mm wall plate with 30 x 1.6 x 1600mm long galvanised hoop iron straps built into coursing. Sisalation "RF405" underlay over trusses and under purlins on straining wires. prefabricated cleated roof trusses 114 x 38mm rafters and ties, 114 x 38mm intermediate members as per details hurricane clips be used externally to secure purlins to trusses at eaves overhangs. double wound 2.5mm diameter galvanised wire to secure purlins internally. all exposed roof timber to be painted with 2 coats of ABE provonite, before fixing of roof sheets, fascias and barge boards			
	<u>SAFETY</u>			
	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
	<u>INSTALLATION</u>			
	Carried Forward		R	
	Section No. 2 Bill No. 2 Roof Coverings			

<p style="text-align: center;">Brought Forward</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that <p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 2 Roof Coverings</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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Brought Forward			R
	direct contact with the sheeting is avoided.		
g.	The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.		
<u>PROTRUSION THROUGH SHEETED SURFACES</u>			
Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.			
<u>GUARANTEE</u>			
The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS contractor. A written and five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>"Global Kliptite" or other equally approved double interlocking concealed fix, 0.8mm spelter galvanised sheet steel and accessories, fixed to timber purlins</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	499
<u>Sundries</u>			
2	Ridge flashings 550mm girth	m	33
Carried Forward			R
Section No. 2 Bill No. 2 Roof Coverings			

Brought Forward				R
<u>ROOF AND WALL INSULATION</u>				
<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>				
3	Insulation laid taut over purlins (at approximately 1 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	440	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 2				
Roof Coverings				

**Storm Damage Repairs to
Ndabeni Primary School**

Brought Forward		R	
<u>Semi-solid core with veneer on both sides suitable for painting</u>			
5	44mm Door 813 x 1880mm high hung to steel frames. Tenderers are referred to Architects drawings annexed to these Bills of Quantities for the full description of the door.	No	5
<u>SKIRTINGS</u>			
<u>Wrot meranti</u>			
6	75mm high hardwood meranti skirting	m	181
7	16mm Quadrant	m	181
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
8	Allow the sum of R 60,000.00 for replacing joinery work to kitchen	Item	60,000.00
9	Allow the sum of R7,000.00 for ironmongery	Item	7,000.00
Carried Forward to Summary of Section No. 2		R	
Section No. 2			
Bill No. 3			
Carpentry and Joinery			

Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u>			
<u>METALWORK</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>			
<u>1,2mm Double rebated frames suitable for half brick wall fitted with three hinges</u>			
1	Frame for door 813 x 2032mm high.	No 3	
<u>1,2mm Double rebated frames suitable for one brick walls fitted with three hinges</u>			
2	Frame for door 813 x 2032mm high.	No 3	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 4			
Metalworks			

Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<u>SUPPLEMENTARY PREAMBLES</u>			
Openings in ceilings for light fittings etc. are to include for additional suspension as required			
<u>Fixings</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork, brickwork or concrete.			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
Carried Forward		R	
Section No. 2 Bill No. 5 Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>Insulation</u>			
Insulation laid on the ceiling ensuring that it fits tightly between the tie beams.			
Insulation should be cut 50mm more than distance between the tie beams. Cut insulation out around down lights. Cut Insulation out around trap doors.			
Fix the cut section to the back of the trap door using a good quality contact adhesive. Wrap insulation around cold and hot water pipes ensuring that there is 10mm overlap. Secure the insulation using a cable tie at 300mm centres			
<u>Steel components</u>			
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121			
<u>NAILED-UP CEILINGS</u>			
<u>9,5mm "Rhino" gypsum plasterboard with taped and skimmed joints</u>			
1	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	338
2	Extra over ceiling for 600 x 600mm trap door of 42 x 42mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening.	No	1
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices mitred at corners with splayed heading joints and bed with Rhinobed gypsum plaster and spiked to branders	m	181
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 5			
Ceilings, Partitions and Access Flooring			

Brought Forward		R	
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
3	Allow the sum of R2,000.00 for stairs nosing	Item	2,000.00
Carried Forward to Summary of Section No. 2		R	
Section No. 2			
Bill No. 6			
Floor Coverings			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Ogee profile aluminium H3003h 14" or other equally approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other equally approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u>			
1	125 x 85 x 0.6mm Ogee profile gutter	m	33	
2	Extra over gutter for 100 x 75mm outlet	No	8	
3	Extra over gutter for stop ends	No	4	
	<u>0.7mm Baked enamel aluminium downpipe including holderbats</u>			
4	100 x 75mm rainwater pipe	m	32	
5	Extra over rainwater pipe for bend	No	16	
6	Extra over rainwater pipe for shoe	No	8	
	Carried Forward to Summary of Section No. 2			
	Section No. 2			
	Bill No. 7			
	Plumbing and Drainage			
			R	

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Brought Forward			R
	<u>"Plascon" or other equally approved gypsum and plaster primer (PP700) and two coats professional super matt (PEM 900/TSA) for interior use</u>		
1	Ceilings including priming metal cover strips and nailheads	m2	338
2	75mm Cornices	m	181
	<u>ON FIBRE-CEMENT BOARD SURFACES</u>		
	<u>One coat primer, one coat universal undercoat and two coats "Plascon Velvaglo Polyurethane Enamel" or equal and approved paint</u>		
3	On fascia and barge boards	m	96
	<u>ON WOOD SURFACES</u>		
	<u>"Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>		
4	On doors	m2	24
	<u>Two coats superior quality "Plascon" or other equally approved WoodCare Interior ultra varnish</u>		
5	Skirting, rails, etc. not exceeding 300mm girth	m	181
	<u>Two coats Carbolineum</u>		
6	On exposed trusses	m2	39
	<u>ON METAL SURFACES</u>		
	<u>"Plascon" or other equally approved one coat red oxideon primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>		
7	On door frames	m2	14
	<u>ON EXISTING SURFACES</u>		
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>		
	Carried Forward		R
Section No. 2 Bill No. 9 Paintwork			

Storm Damage Repairs to Ndabeni Primary School

Brought Forward			R
<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved Primer (PP700) and two coats "Velvagro" water based paint for interior use</u>			
8	On walls	m2	543
<p>Carried Forward to Summary of Section No. 2</p> <p>Section No. 2 Bill No. 9 Paintwork</p>			R

Storm Damage Repairs to Ndabeni Primary School

[illegible]

Storm Damage Repairs to Ndabeni Primary School

[illegible]

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 3</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section</p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>General</u></p> <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 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>Carried Forward</p>			<p>R</p>
<p>Section No. 3 Bill No. 1 Alterations</p>			

<p style="text-align: center;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 3 Bill No. 1 Alterations</p>	<p style="text-align: center;">R</p>

Brought Forward				R
<p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Temporary protection, etc. including removal:</u></p> <p>Contractors will be held responsible for all damages, however caused, to floors, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damages at his own expense to the approval of the Principal Agent</p>				
1	Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Principal Agent and make good all work damaged or distributed after completion. (Provisional)	m2	449	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
2	Carefully take out concrete roof tiles including sislotion, timber battens, etc. and remove off site damaged roof tiles	m2	449	
Carried Forward				R
<p>Section No. 3 Bill No. 1 Alterations</p>				

**Storm Damage Repairs to
Ndabeni Primary School**

	Brought Forward			R
3	Timber beams	m	32	
4	Fibre cement ceilings, including cornices, timber brandering, etc.	m2	311	
5	Existing asbestos fascia boards	m	63	
6	Existing asbestos barge boards	m	57	
	<u>Carefully take out and remove gutters and downpipes etc.</u>			
7	Existing metal gutter	m	63	
8	Existing metal downpipes including outlet, bends & shoe	m	32	
	<u>Take out and remove doors, windows etc from brickwork to remain including making good cement plaster on both sides</u>			
9	Timber single door 813 x 2032mm high overall	No	4	
	<u>Taking out/off and removing glass and mirrors</u>			
10	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere measured)	m2	12	
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>			
11	Ceramic floor tiles	m2	239	
12	Tiles skirting to walls	m	124	
Carried Forward to Summary of Section No. 3				R
Section No. 3				
Bill No. 1				
Alterations				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SHEETING</u>			
	Roof pitch to be 15 degrees & 3 degrees. 0,8mm aluminium roof sheeting with pre-painted G4 colortech finish on both sides complete with fixings, ridge flashing and mastic sealant to all side laps supplied by roof manufacture. determine direction of wind before laying sheets. sheets to project a minimum of 50mm beyond purlins at eaves. sheets to be fixed to 76 x 50mm timber purlins at max. of 1250mm centers on prefabricated trusses by engineer at max. of 1250mm centers to be strapped to 114 x 38mm wall plate with 30 x 1.6 x 1600mm long galvanised hoop iron straps built into coursing. Sisalation "RF405" underlay over trusses and under purlins on straining wires. prefabricated cleated roof trusses 114 x 38mm rafters and ties, 114 x 38mm intermediate members as per details hurricane clips be used externally to secure purlins to trusses at eaves overhangs. double wound 2.5mm diameter galvanised wire to secure purlins internally. all exposed roof timber to be painted with 2 coats of ABE provonite, before fixing of roof sheets, fascias and barge boards			
	<u>SAFETY</u>			
	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
	<u>INSTALLATION</u>			
	Carried Forward		R	
	Section No. 3 Bill No. 2 Roof Coverings			

<p style="text-align: center;">Brought Forward</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that <p style="text-align: center;">Carried Forward</p> <p>Section No. 3 Bill No. 2 Roof Coverings</p>	<p style="text-align: center;">R</p>
	R

Brought Forward			R
	direct contact with the sheeting is avoided.		
g.	The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.		
<u>PROTRUSION THROUGH SHEETED SURFACES</u>			
Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.			
<u>GUARANTEE</u>			
The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS contractor. A written and five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>"Global Kliptite" or other equally approved double interlocking concealed fix, 0.8mm spelter galvanised sheet steel and accessories, fixed to timber purlins</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	449
<u>Sundries</u>			
2	Ridge flashings 550mm girth	m	32
Carried Forward			R
Section No. 3 Bill No. 2 Roof Coverings			

Brought Forward			R
3	Side wall flashings 550mm girth	m	43
<u>ROOF AND WALL INSULATION</u>			
<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>			
4	Insulation laid taut over purlins (at approximately 1 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	311
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 2			
Roof Coverings			

Item No	Quantity	Rate	Amount
<u>BILL NO. 3</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
<u>Sawn softwood</u>			
1	50 x 75mm Purlins	m	440
<u>Laminated Wrot Saligna</u>			
2	76 x 228mm Beams fixed to existing metal post	m	32
<u>EAVES, VERGES ETC</u>			
<u>"Everite Nutec" or other equally approved medium density pressed fibre-cement</u>			
3	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	63
4	80 x 275mm Angle section barge board, including galavanised steel H-profile joiners	m	57
<u>FRAMED DOORS ETC</u>			
Carried Forward			R
Section No. 3 Bill No. 3 Carpentry and Joinery			

**Storm Damage Repairs to
Ndabeni Primary School**

Brought Forward			R
<u>Wrought meranti doors hung to wooden frames</u>			
5	40mm Framed, ledged and batten door 813 x 2032mm x 44mm ply backed hardwood door. Tenderers are referred to Architect's drawings annexured to these Bills of Quantities for the full description of the door	No 4	
<u>SKIRTINGS</u>			
<u>Wrot meranti</u>			
6	75mm high hardwood meranti skirting	m 124	
7	16mm Quadrant	m 124	
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
8	Allow the sum of R4,000.00 for ironmongery	Item	4,000.00
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 3			
Carpentry and Joinery			

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Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<u>SUPPLEMENTARY PREAMBLES</u>			
Openings in ceilings for light fittings etc. are to include for additional suspension as required			
<u>Fixings</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork, brickwork or concrete.			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
Carried Forward		R	
Section No. 3 Bill No. 5 Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>Insulation</u>			
Insulation laid on the ceiling ensuring that it fits tightly between the tie beams.			
Insulation should be cut 50mm more than distance between the tie beams. Cut insulation out around down lights. Cut Insulation out around trap doors.			
Fix the cut section to the back of the trap door using a good quality contact adhesive. Wrap insulation around cold and hot water pipes ensuring that there is 10mm overlap. Secure the insulation using a cable tie at 300mm centres			
<u>Steel components</u>			
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121			
<u>NAILED-UP CEILINGS</u>			
<u>9,5mm "Rhino" gypsum plasterboard with taped and skimmed joints</u>			
1	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	239
2	Extra over ceiling for 600 x 600mm trap door of 42 x 42mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening.	No	2
<u>6mm "Everite Nutec" fibre-cement boards with white H-type PVC jointing strips</u>			
3	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	72
<u>"Rhino" gypsum plasterboard cornices</u>			
4	75mm Coved cornices mitred at corners with splayed heading joints and bed with Rhinobed gypsum plaster and spiked to branders	m	193
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 5			
Ceilings, Partitions and Access Flooring			

Brought Forward		R	
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
3	Allow the sum of R2,000.00 for stairs nosing	Item	2,000.00
Carried Forward to Summary of Section No. 3		R	
Section No. 3			
Bill No. 6			
Floor Coverings			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Ogee profile aluminium H3003h 14" or other equally approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other equally approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u>			
1	125 x 85 x 0.6mm Ogee profile gutter	m	63	
2	Extra over gutter for 100 x 75mm outlet	No	8	
3	Extra over gutter for stop ends	No	16	
	<u>0.7mm Baked enamel aluminium downpipe including holderbats</u>			
4	100 x 75mm rainwater pipe	m	32	
5	Extra over rainwater pipe for bend	No	16	
6	Extra over rainwater pipe for shoe	No	8	
	Carried Forward to Summary of Section No. 3			
	Section No. 3		R	
	Bill No. 7			
	Plumbing and Drainage			

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Brought Forward			R
<u>"Plascon" or other equally approved gypsum and plaster primer (PP700) and two coats professional super matt (PEM 900/TSA) for interior use</u>			
Ceilings including priming metal cover strips and nailheads	m2	239	
75mm Cornices	m	193	
<u>ON FIBRE-CEMENT BOARD SURFACES</u>			
<u>One coat primer, one coat universal undercoat and two coats "Plascon Velvaglo Polyurethane Enamel" or equal and approved paint</u>			
On ceilings	m2	72	
On fascia and barge boards	m	120	
<u>ON WOOD SURFACES</u>			
<u>"Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>			
On doors	m2	161	
<u>Two coats superior quality "Plascon" or other equally approved WoodCare Interior ultra varnish</u>			
Skirting, rails, etc. not exceeding 300mm girth	m	124	
<u>"Plascon" or other approved clear timber protective sealer as per manufacturer's recommendation</u>			
On laminated beams	m2	19	
<u>Two coats Carbolineum</u>			
On exposed trusses	m2	38	
<u>ON METAL SURFACES</u>			
Carried Forward			R
Section No. 3 Bill No. 9 Paintwork			

Brought Forward			R
	<u>"Plascon" or other equally approved one coat red oxideon primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>		
9	On door frames	m2	9
	<u>ON EXISTING SURFACES</u>		
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>		
	<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved Primer (PP700) and two coats "Velvagio" water based paint for interior use</u>		
10	On walls	m2	372
Carried Forward to Summary of Section No. 3			R
Section No. 3 Bill No. 9 Paintwork			

Storm Damage Repairs to Ndabeni Primary School

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Storm Damage Repairs to Ndabeni Primary School

[illegible]

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 4</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section</p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>General</u></p> <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 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>Carried Forward</p>			<p>R</p>
<p>Section No. 4 Bill No. 1 Alterations</p>			

<p style="text-align: center;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 4 Bill No. 1 Alterations</p>		R	

Brought Forward				R
<p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Temporary protection, etc. including removal:</u></p> <p>Contractors will be held responsible for all damages, however caused, to floors, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damages at his own expense to the approval of the Principal Agent</p>				
1	Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Principal Agent and make good all work damaged or distributed after completion. (Provisional)	m2	449	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
2	Carefully take out concrete roof tiles including sislotion, timber battens, etc. and remove off site damaged roof tiles	m2	449	
Carried Forward				R
Section No. 4 Bill No. 1 Alterations				

**Storm Damage Repairs to
Ndabeni Primary School**

	Brought Forward			R
3	Timber beams	m	32	
4	Fibre cement ceilings, including cornices, timber brandering, etc.	m2	311	
5	Existing asbestos fascia boards	m	63	
6	Existing asbestos barge boards	m	57	
	<u>Carefully take out and remove gutters and downpipes etc.</u>			
7	Existing metal gutter	m	63	
8	Existing metal downpipes including outlet, bends & shoe	m	32	
	<u>Take out and remove doors, windows etc from brickwork to remain including making good cement plaster on both sides</u>			
9	Timber single door 813 x 2032mm high overall	No	4	
	<u>Taking out/off and removing glass and mirrors</u>			
10	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere measured)	m2	14	
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>			
11	Ceramic floor tiles	m2	239	
12	Tiles skirting to walls	m	124	
Carried Forward to Summary of Section No. 4				R
Section No. 4				
Bill No. 1				
Alterations				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SHEETING</u>			
	Roof pitch to be 15 degrees & 3 degrees. 0,8mm aluminium roof sheeting with pre-painted G4 colortech finish on both sides complete with fixings, ridge flashing and mastic sealant to all side laps supplied by roof manufacture. determine direction of wind before laying sheets. sheets to project a minimum of 50mm beyond purlins at eaves. sheets to be fixed to 76 x 50mm timber purlins at max. of 1250mm centers on prefabricated trusses by engineer at max. of 1250mm centers to be strapped to 114 x 38mm wall plate with 30 x 1.6 x 1600mm long galvanised hoop iron straps built into coursing. Sisalation "RF405" underlay over trusses and under purlins on straining wires. prefabricated cleated roof trusses 114 x 38mm rafters and ties, 114 x 38mm intermediate members as per details hurricane clips be used externally to secure purlins to trusses at eaves overhangs. double wound 2.5mm diameter galvanised wire to secure purlins internally. all exposed roof timber to be painted with 2 coats of ABE provonite, before fixing of roof sheets, fascias and barge boards			
	<u>SAFETY</u>			
	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
	<u>INSTALLATION</u>			
	Carried Forward		R	
	Section No. 4 Bill No. 2 Roof Coverings			

<p style="text-align: center;">Brought Forward</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that <p style="text-align: center;">Carried Forward</p> <p>Section No. 4 Bill No. 2 Roof Coverings</p>	<p style="text-align: center;">R</p>
	R

	Brought Forward			R
	direct contact with the sheeting is avoided.			
	g. The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.			
	<u>PROTRUSION THROUGH SHEETED SURFACES</u>			
	Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.			
	<u>GUARANTEE</u>			
	The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS contractor. A written and five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.			
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
	<u>"Global Kliptite" or other equally approved double interlocking concealed fix, 0.8mm spelter galvanised sheet steel and accessories, fixed to timber purlins</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	449	
	<u>Sundries</u>			
2	Ridge flashings 550mm girth	m	32	
	Carried Forward			R
	Section No. 4 Bill No. 2 Roof Coverings			

Brought Forward			R
3	Side wall flashings 550mm girth	m	43
<u>ROOF AND WALL INSULATION</u>			
<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>			
4	Insulation laid taut over purlins (at approximately 1 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	311
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 2			
Roof Coverings			

Item No		Quantity	Rate	Amount
<u>BILL NO. 3</u>				
<u>CARPENTRY AND JOINERY</u>				
<u>PREAMBLES</u>				
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section				
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item				
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>				
<u>Sawn softwood</u>				
1	50 x 75mm Purlins	m	440	
<u>Laminated Wrot Saligna</u>				
2	76 x 228mm Beams fixed to existing metal post	m	32	
<u>EAVES, VERGES ETC</u>				
<u>"Everite Nutec" or other equally approved medium density pressed fibre-cement</u>				
3	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	63	
4	80 x 275mm Angle section barge board, including galavanised steel H-profile joiners	m	57	
<u>FRAMED DOORS ETC</u>				
Carried Forward				R
Section No. 4 Bill No. 3 Carpentry and Joinery				

**Storm Damage Repairs to
Ndabeni Primary School**

Brought Forward			R
<u>Wrought meranti doors hung to wooden frames</u>			
5	40mm Framed, ledged and batten door 813 x 2032mm x 44mm ply backed hardwood door. Tenderers are referred to Architect's drawings annexured to these Bills of Quantities for the full description of the door	No 4	
<u>SKIRTINGS</u>			
<u>Wrot meranti</u>			
6	75mm high hardwood meranti skirting	m 124	
7	16mm Quadrant	m 124	
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
8	Allow the sum of R4,000.00 for ironmongery	Item	4,000.00
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 3			
Carpentry and Joinery			

[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<u>SUPPLEMENTARY PREAMBLES</u>			
Openings in ceilings for light fittings etc. are to include for additional suspension as required			
<u>Fixings</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork, brickwork or concrete.			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
Carried Forward		R	
Section No. 4 Bill No. 5 Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>Insulation</u>			
Insulation laid on the ceiling ensuring that it fits tightly between the tie beams.			
Insulation should be cut 50mm more than distance between the tie beams. Cut insulation out around down lights. Cut Insulation out around trap doors.			
Fix the cut section to the back of the trap door using a good quality contact adhesive. Wrap insulation around cold and hot water pipes ensuring that there is 10mm overlap. Secure the insulation using a cable tie at 300mm centres			
<u>Steel components</u>			
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121			
<u>NAILED-UP CEILINGS</u>			
<u>9,5mm "Rhino" gypsum plasterboard with taped and skimmed joints</u>			
1	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	239
2	Extra over ceiling for 600 x 600mm trap door of 42 x 42mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening.	No	2
<u>6mm "Everite Nutec" fibre-cement boards with white H-type PVC jointing strips</u>			
3	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	72
<u>"Rhino" gypsum plasterboard cornices</u>			
4	75mm Coved cornices mitred at corners with splayed heading joints and bed with Rhinobed gypsum plaster and spiked to branders	m	193
Carried Forward to Summary of Section No. 4			R
Section No. 4			
Bill No. 5			
Ceilings, Partitions and Access Flooring			

Brought Forward		R	
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
3	Allow the sum of R2,000.00 for stairs nosing	Item	2,000.00
Carried Forward to Summary of Section No. 4		R	
Section No. 4			
Bill No. 6			
Floor Coverings			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Ogee profile aluminium H3003h 14" or other equally approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other equally approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u>			
1	125 x 85 x 0.6mm Ogee profile gutter	m	63	
2	Extra over gutter for 100 x 75mm outlet	No	8	
3	Extra over gutter for stop ends	No	16	
	<u>0.7mm Baked enamel aluminium downpipe including holderbats</u>			
4	100 x 75mm rainwater pipe	m	32	
5	Extra over rainwater pipe for bend	No	16	
6	Extra over rainwater pipe for shoe	No	8	
	Carried Forward to Summary of Section No. 4			
	Section No. 4		R	
	Bill No. 7			
	Plumbing and Drainage			

[illegible]

	Quantity	Rate	Amount
BILL NO. 9			
PAINTWORK			
PREAMBLES			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
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SUPPLEMENTARY PREAMBLES			
Before painting can commence, every problem must be repaired in strict accordance with SECTION 2 - Best painting practice			
SANS Specifications			
Alkali resistant primer - SANS 1416			
Wash primer (metal etch) - SANS 1001 - 1			
Primers for internal wood work - SANS 678 Type 111			
Gloss enamel paint - SANS 630			
Undercoat for paints (Except emulsion paint) - SANS 681 Type 1			
Aluminium paint - SANS 682 Grade 11			
Emulsion paint - SANS 1586 (Gloss, Semi gloss, Matt : Internal /External)			
ON NEW SURFACES			
ON PLASTERBOARD SURFACES			
Carried Forward		R	
Section No. 4 Bill No. 9 Paintwork			

Brought Forward			R
<u>"Plascon" or other equally approved gypsum and plaster primer (PP700) and two coats professional super matt (PEM 900/TSA) for interior use</u>			
Ceilings including priming metal cover strips and nailheads	m2	239	
75mm Cornices	m	193	
<u>ON FIBRE-CEMENT BOARD SURFACES</u>			
<u>One coat primer, one coat universal undercoat and two coats "Plascon Velvaglo Polyurethane Enamel" or equal and approved paint</u>			
On ceilings	m2	72	
On fascia and barge boards	m	120	
<u>ON WOOD SURFACES</u>			
<u>"Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>			
On doors	m2	161	
<u>Two coats superior quality "Plascon" or other equally approved WoodCare Interior ultra varnish</u>			
Skirting, rails, etc. not exceeding 300mm girth	m	124	
<u>"Plascon" or other approved clear timber protective sealer as per manufacturer's recommendation</u>			
On laminated beams	m2	19	
<u>Two coats Carbolineum</u>			
On exposed trusses	m2	38	
<u>ON METAL SURFACES</u>			
Carried Forward			R
Section No. 4 Bill No. 9 Paintwork			

Brought Forward			R
<u>"Plascon" or other equally approved one coat red oxideon primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>			
9	On door frames	m2	9
<u>ON EXISTING SURFACES</u>			
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved Primer (PP700) and two coats "Velvagro" water based paint for interior use</u>			
10	On walls	m2	372
<p>Carried Forward to Summary of Section No. 4</p> <p>Section No. 4 Bill No. 9 Paintwork</p>			R

Storm Damage Repairs to Ndabeni Primary School

Item No		Unit	Quantity	Rate	Amount
BILL NO. 10					
<u>PROVISIONAL SUMS</u>					
<u>SUPPLEMENTARY PREAMBLES</u>					
<u>General</u>					
Unless otherwise described, all prime cost amounts and provisional sums exclude the cash discount of 5% and include for delivery to site of all articles concerned					
All prime cost amounts and provisional sums are net and include for delivery to site of all articles concerned					
<u>ELECTRICAL</u>					
1	Provide an amount of R110,000.00 (One Hundred and Ten Thousand Rand) for electrical works		Item		110,000.00
2	Profit on the above item		Item		
3	Attendance on the above item		Item		
				R	
Carried Forward to Summary of Section No. 4					
Section No. 4					
Bill No. 10					
Provisional Sums					

Storm Damage Repairs to Ndabeni Primary School

Bill No		Page No	Amount
1	Alterations	77	
2	Roof Coverings	81	
3	Carpentry and Joinery	83	
4	Metalworks	84	
5	Ceilings, Partitions and Access Flooring	86	
6	Floor Coverings	88	
7	Plumbing and Drainage	89	
8	Glazing	90	
9	Paintwork	93	
10	Provisional Sums	94	
Carried to Final Summary			R
Section No. 4			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 5</u>			
<u>BILL NO. 1</u>			
<u>ALTERATIONS</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
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<u>SUPPLEMENTARY PREAMBLES</u>			
<u>View site</u>			
Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained			
<u>General</u>			
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 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			
Carried Forward		R	
Section No. 5 Bill No. 1 Alterations			

<p style="text-align: center;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 5 Bill No. 1 Alterations</p>	<p style="text-align: center;">R</p>

Brought Forward				R
<p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Temporary protection, etc. including removal:</u></p> <p>Contractors will be held responsible for all damages, however caused, to floors, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damages at his own expense to the approval of the Principal Agent</p>				
1	Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Principal Agent and make good all work damaged or distributed after completion. (Provisional)	m2	449	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
2	Carefully take out concrete roof tiles including sislotion, timber battens, etc. and remove off site damaged roof tiles	m2	449	
Carried Forward				R
<p>Section No. 5 Bill No. 1 Alterations</p>				

**Storm Damage Repairs to
Ndabeni Primary School**

	Brought Forward			R
3	Timber beams	m	32	
4	Fibre cement ceilings, including cornices, timber brandering, etc.	m2	311	
5	Existing asbestos fascia boards	m	63	
6	Existing asbestos barge boards	m	57	
	<u>Carefully take out and remove gutters and downpipes etc.</u>			
7	Existing metal gutter	m	63	
8	Existing metal downpipes including outlet, bends & shoe	m	32	
	<u>Take out and remove doors, windows etc from brickwork to remain including making good cement plaster on both sides</u>			
9	Timber single door 813 x 2032mm high overall	No	4	
	<u>Taking out/off and removing glass and mirrors</u>			
10	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere measured)	m2	15	
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u>			
11	Ceramic floor tiles	m2	239	
12	Tiles skirting to walls	m	124	
Carried Forward to Summary of Section No. 5				R
Section No. 5				
Bill No. 1				
Alterations				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SHEETING</u>			
	Roof pitch to be 15 degrees & 3 degrees. 0,8mm aluminium roof sheeting with pre-painted G4 colortech finish on both sides complete with fixings, ridge flashing and mastic sealant to all side laps supplied by roof manufacture. determine direction of wind before laying sheets. sheets to project a minimum of 50mm beyond purlins at eaves. sheets to be fixed to 76 x 50mm timber purlins at max. of 1250mm centers on prefabricated trusses by engineer at max. of 1250mm centers to be strapped to 114 x 38mm wall plate with 30 x 1.6 x 1600mm long galvanised hoop iron straps built into coursing. Sisalation "RF405" underlay over trusses and under purlins on straining wires. prefabricated cleated roof trusses 114 x 38mm rafters and ties, 114 x 38mm intermediate members as per details hurricane clips be used externally to secure purlins to trusses at eaves overhangs. double wound 2.5mm diameter galvanised wire to secure purlins internally. all exposed roof timber to be painted with 2 coats of ABE provonite, before fixing of roof sheets, fascias and barge boards			
	<u>SAFETY</u>			
	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
	<u>INSTALLATION</u>			
	Carried Forward		R	
	Section No. 5 Bill No. 2 Roof Coverings			

<p style="text-align: center;">Brought Forward</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that <p style="text-align: center;">Carried Forward</p> <p>Section No. 5 Bill No. 2 Roof Coverings</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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Brought Forward			R
	direct contact with the sheeting is avoided.		
g.	The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.		
<u>PROTRUSION THROUGH SHEETED SURFACES</u>			
Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.			
<u>GUARANTEE</u>			
The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS contractor. A written and five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>"Global Kliptite" or other equally approved double interlocking concealed fix, 0.8mm spelter galvanised sheet steel and accessories, fixed to timber purlins</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	449
<u>Sundries</u>			
2	Ridge flashings 550mm girth	m	32
Carried Forward			R
Section No. 5 Bill No. 2 Roof Coverings			

Brought Forward			R
3	Side wall flashings 550mm girth	m	43
<u>ROOF AND WALL INSULATION</u>			
<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>			
4	Insulation laid taut over purlins (at approximately 1 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	311
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Bill No. 2			
Roof Coverings			

**Storm Damage Repairs to
Ndabeni Primary School**

Brought Forward			R
<u>Wrought meranti doors hung to wooden frames</u>			
5	40mm Framed, ledged and batten door 813 x 2032mm x 44mm ply backed hardwood door. Tenderers are referred to Architect's drawings annexured to these Bills of Quantities for the full description of the door	No	4
<u>SKIRTINGS</u>			
<u>Wrot meranti</u>			
6	75mm high hardwood meranti skirting	m	124
7	16mm Quandrant	m	124
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
8	Allow the sum of R4,000.00 for ironmongery	Item	4,000.00
Carried Forward to Summary of Section No. 5			
Section No. 5			
Bill No. 3			
Carpentry and Joinery			

[illegible]

Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<u>SUPPLEMENTARY PREAMBLES</u>			
Openings in ceilings for light fittings etc. are to include for additional suspension as required			
<u>Fixings</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork, brickwork or concrete.			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
Carried Forward		R	
Section No. 5 Bill No. 5 Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>Insulation</u>			
Insulation laid on the ceiling ensuring that it fits tightly between the tie beams.			
Insulation should be cut 50mm more than distance between the tie beams. Cut insulation out around down lights. Cut Insulation out around trap doors.			
Fix the cut section to the back of the trap door using a good quality contact adhesive. Wrap insulation around cold and hot water pipes ensuring that there is 10mm overlap. Secure the insulation using a cable tie at 300mm centres			
<u>Steel components</u>			
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121			
<u>NAILED-UP CEILINGS</u>			
<u>9,5mm "Rhino" gypsum plasterboard with taped and skimmed joints</u>			
1	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	239
2	Extra over ceiling for 600 x 600mm trap door of 42 x 42mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening.	No	2
<u>6mm "Everite Nutec" fibre-cement boards with white H-type PVC jointing strips</u>			
3	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	72
<u>"Rhino" gypsum plasterboard cornices</u>			
4	75mm Coved cornices mitred at corners with splayed heading joints and bed with Rhinobed gypsum plaster and spiked to branders	m	193
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Bill No. 5			
Ceilings, Partitions and Access Flooring			

Brought Forward		R	
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
3	Allow the sum of R2,000.00 for stairs nosing	Item	2,000.00
Carried Forward to Summary of Section No. 5		R	
Section No. 5			
Bill No. 6			
Floor Coverings			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Ogee profile aluminium H3003h 14" or other equally approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other equally approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u>			
1	125 x 85 x 0.6mm Ogee profile gutter	m	63	
2	Extra over gutter for 100 x 75mm outlet	No	8	
3	Extra over gutter for stop ends	No	16	
	<u>0.7mm Baked enamel aluminium downpipe including holderbats</u>			
4	100 x 75mm rainwater pipe	m	32	
5	Extra over rainwater pipe for bend	No	16	
6	Extra over rainwater pipe for shoe	No	8	
	Carried Forward to Summary of Section No. 5			
	Section No. 5		R	
	Bill No. 7			
	Plumbing and Drainage			

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Brought Forward			R
<u>"Plascon" or other equally approved gypsum and plaster primer (PP700) and two coats professional super matt (PEM 900/TSA) for interior use</u>			
Ceilings including priming metal cover strips and nailheads	m2	239	
75mm Cornices	m	193	
<u>ON FIBRE-CEMENT BOARD SURFACES</u>			
<u>One coat primer, one coat universal undercoat and two coats "Plascon Velvaglo Polyurethane Enamel" or equal and approved paint</u>			
On ceilings	m2	72	
On fascia and barge boards	m	120	
<u>ON WOOD SURFACES</u>			
<u>"Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>			
On doors	m2	161	
<u>Two coats superior quality "Plascon" or other equally approved WoodCare Interior ultra varnish</u>			
Skirting, rails, etc. not exceeding 300mm girth	m	124	
<u>"Plascon" or other approved clear timber protective sealer as per manufacturer's recommendation</u>			
On laminated beams	m2	19	
<u>Two coats Carbolineum</u>			
On exposed trusses	m2	38	
<u>ON METAL SURFACES</u>			

Brought Forward			R
<u>"Plascon" or other equally approved one coat red oxideon primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>			
9	On door frames	m2	9
<u>ON EXISTING SURFACES</u>			
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved Primer (PP700) and two coats "Velvagio" water based paint for interior use</u>			
10	On walls	m2	372
Carried Forward to Summary of Section No. 5			R
Section No. 5 Bill No. 9 Paintwork			

Storm Damage Repairs to Ndabeni Primary School

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Storm Damage Repairs to Ndabeni Primary School

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Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 6</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section</p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>General</u></p> <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 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>Carried Forward</p>			<p>R</p>
<p>Section No. 6 Bill No. 1 Alterations</p>			

<p style="text-align: center;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 6 Bill No. 1 Alterations</p>	<p style="text-align: center;">R</p>

Brought Forward				R
<p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Temporary protection, etc. including removal:</u></p> <p>Contractors will be held responsible for all damages, however caused, to floors, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damages at his own expense to the approval of the Principal Agent</p>				
1	Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Principal Agent and make good all work damaged or distributed after completion. (Provisional)	m2	449	
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
2	Carefully take out concrete roof tiles including sislotion, timber battens, etc. and remove off site damaged roof tiles	m2	449	
Carried Forward				R
<p>Section No. 6 Bill No. 1 Alterations</p>				

**Storm Damage Repairs to
Ndabeni Primary School**

	Brought Forward			R
3	Carefully take down and removed damaged roof trusses (measured flat on plan)	m2	449	
4	Timber beams	m	32	
5	Fibre cement ceilings, including cornices, timber bandering, etc.	m2	311	
6	Existing asbestos fascia boards	m	63	
7	Existing asbestos barge boards	m	57	
	<u>Carefully take out and remove gutters and downpipes etc.</u>			
8	Existing metal gutter	m	63	
9	Existing metal downpipes including outlet, bends & shoe	m	32	
	<u>Breaking down and removing brickwork etc</u>			
10	Half brick walls	m2	16	
	<u>Take out and remove doors, windows etc from brickwork to remain including making good cement plaster on both sides</u>			
11	Timber single door 813 x 2032mm high overall	No	4	
12	Steel window approximate size 1510 x 1540mm high	No	5	
	<u>Taking out/off and removing glass and mirrors</u>			
13	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere measured)	m2	12	
	<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>			
14	Ceramic floor tiles	m2	239	
15	Tiles skirting to walls	m	124	
	<u>Sundries</u>			
16	Pressure clean surfaces of existing face brick walls	m2	233	
	Carried Forward to Summary of Section No. 6			R
	Section No. 6			
	Bill No. 1			
	Alterations			

Brought Forward				R
<u>Brickwork of NFP bricks in class II mortar</u>				
1	Half brick walls in beamfilling	m2	16	
<u>BRICKWORK SUNDRIES</u>				
<u>2.5mm Galvanised brickwork reinforcement</u>				
2	75mm Wide reinforcement built in horizontally	m	63	
<u>Galvanised wire ties etc.</u>				
3	4mm Diameter roof tie 2000mm girth bent double, with one end shot pinned to concrete beam and the other end fixed to timber	No	30	
<u>FACE BRICKWORK</u>				
<u>Face bricks match existing pointed with tinted recessed horizontal and vertical joints</u>				
4	Extra over brickwork for face brickwork	m2	16	
Carried Forward to Summary of Section No. 6				R
Section No. 6				
Bill No. 2				
Masonry				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SHEETING</u>			
	Roof pitch to be 15 degrees & 3 degrees. 0,8mm aluminium roof sheeting with pre-painted G4 colortech finish on both sides complete with fixings, ridge flashing and mastic sealant to all side laps supplied by roof manufacture. determine direction of wind before laying sheets. sheets to project a minimum of 50mm beyond purlins at eaves. sheets to be fixed to 76 x 50mm timber purlins at max. of 1250mm centers on prefabricated trusses by engineer at max. of 1250mm centers to be strapped to 114 x 38mm wall plate with 30 x 1.6 x 1600mm long galvanised hoop iron straps built into coursing. Sisalation "RF405" underlay over trusses and under purlins on straining wires. prefabricated cleated roof trusses 114 x 38mm rafters and ties, 114 x 38mm intermediate members as per details hurricane clips be used externally to secure purlins to trusses at eaves overhangs. double wound 2.5mm diameter galvanised wire to secure purlins internally. all exposed roof timber to be painted with 2 coats of ABE provonite, before fixing of roof sheets, fascias and barge boards			
	<u>SAFETY</u>			
	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
	<u>INSTALLATION</u>			
	Carried Forward		R	
	Section No. 6 Bill No. 3 Roof Coverings			

<p style="text-align: center;">Brought Forward</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that <p style="text-align: center;">Carried Forward</p> <p>Section No. 6 Bill No. 3 Roof Coverings</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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	Brought Forward			R
	direct contact with the sheeting is avoided.			
	g. The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.			
	<u>PROTRUSION THROUGH SHEETED SURFACES</u>			
	Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.			
	<u>GUARANTEE</u>			
	The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS contractor. A written and five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.			
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
	<u>"Global Kliptite" or other equally approved double interlocking concealed fix, 0.8mm spelter galvanised sheet steel and accessories, fixed to timber purlins</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	449	
	<u>Sundries</u>			
2	Ridge flashings 550mm girth	m	32	
	Carried Forward			R
	Section No. 6 Bill No. 3 Roof Coverings			

Brought Forward			R
3	Side wall flashings 550mm girth	m	43
<u>ROOF AND WALL INSULATION</u>			
<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>			
4	Insulation laid taut over purlins (at approximately 1 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	311
Carried Forward to Summary of Section No. 6			R
Section No. 6			
Bill No. 3			
Roof Coverings			

**Storm Damage Repairs to
Ndabeni Primary School**

Brought Forward			R	
<u>"Everite Nutec" or other equally approved medium density pressed fibre-cement</u>				
7	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	63	
8	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	57	
<u>FRAMED DOORS ETC</u>				
<u>Wrought meranti doors hung to wooden frames</u>				
9	40mm Framed, ledged and batten door 813 x 2032mm x 44mm ply backed hardwood door. Tenderers are referred to Architect's drawings annexured to these Bills of Quantities for the full description of the door	No	4	
<u>SKIRTINGS</u>				
<u>Wrot meranti</u>				
10	75mm high hardwood meranti skirting	m	124	
11	16mm Quadrant	m	124	
<u>BUDGETARY ALLOWANCES</u>				
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances				
12	Allow the sum of R4,000.00 for ironmongery		Item	4,000.00
Carried Forward to Summary of Section No. 6			R	
Section No. 6				
Bill No. 4				
Carpentry and Joinery				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>METALWORK</u>			
	<u>PREAMBLES</u>			
	Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>			
	<u>1,2mm Double rebated frames suitable for one brick walls fitted with three hinges</u>			
1	Frame for door 813 x 2032mm high.	No	4	
	<u>STEEL WINDOWS, DOORS, ETC</u>			
	<u>Standard residential windows with type "B2" burglar bars to opening sashes</u>			
2	Steel window approximate size 1410 x 1440mm high	No	5	
	Carried Forward to Summary of Section No. 6		R	
	Section No. 6			
	Bill No. 5			
	Metalworks			

Brought Forward		R	
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
3	Allow the sum of R2,000.00 for stairs nosing	Item	2,000.00
Carried Forward to Summary of Section No. 6		R	
Section No. 6			
Bill No. 6			
Floor Coverings			

Item No	Quantity	Rate	Amount
<u>BILL NO. 7</u>			
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<u>SUPPLEMENTARY PREAMBLES</u>			
Openings in ceilings for light fittings etc. are to include for additional suspension as required			
<u>Fixings</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork, brickwork or concrete.			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
Carried Forward		R	
Section No. 6 Bill No. 7 Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>Insulation</u>			
Insulation laid on the ceiling ensuring that it fits tightly between the tie beams.			
Insulation should be cut 50mm more than distance between the tie beams. Cut insulation out around down lights. Cut Insulation out around trap doors.			
Fix the cut section to the back of the trap door using a good quality contact adhesive. Wrap insulation around cold and hot water pipes ensuring that there is 10mm overlap. Secure the insulation using a cable tie at 300mm centres			
<u>Steel components</u>			
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121			
<u>NAILED-UP CEILINGS</u>			
<u>9,5mm "Rhino" gypsum plasterboard with taped and skimmed joints</u>			
1	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres	m2	239
2	Extra over ceiling for 600 x 600mm trap door of 42 x 42mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening.	No	2
<u>6mm "Everite Nutec" fibre-cement boards with white H-type PVC jointing strips</u>			
3	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres	m2	72
<u>"Rhino" gypsum plasterboard cornices</u>			
4	75mm Coved cornices mitred at corners with splayed heading joints and bed with Rhinobed gypsum plaster and spiked to branders	m	193
Carried Forward to Summary of Section No. 6			R
Section No. 6			
Bill No. 7			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 8</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Ogee profile aluminium H3003h 14" or other equally approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other equally approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u>			
1	125 x 85 x 0.6mm Ogee profile gutter	m	63	
2	Extra over gutter for 100 x 75mm outlet	No	8	
3	Extra over gutter for stop ends	No	16	
	<u>0.7mm Baked enamel aluminium downpipe including holderbats</u>			
4	100 x 75mm rainwater pipe	m	32	
5	Extra over rainwater pipe for bend	No	16	
6	Extra over rainwater pipe for shoe	No	8	
	Carried Forward to Summary of Section No. 6			
	Section No. 6			
	Bill No. 8			
	Plumbing and Drainage			
			R	

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Brought Forward			R
<u>"Plascon" or other equally approved gypsum and plaster primer (PP700) and two coats professional super matt (PEM 900/TSA) for interior use</u>			
Ceilings including priming metal cover strips and nailheads	m2	239	
75mm Cornices	m	193	
<u>ON FIBRE-CEMENT BOARD SURFACES</u>			
<u>One coat primer, one coat universal undercoat and two coats "Plascon Velvaglo Polyurethane Enamel" or equal and approved paint</u>			
On ceilings	m2	72	
On fascia and barge boards	m	120	
<u>ON WOOD SURFACES</u>			
<u>"Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>			
On doors	m2	161	
<u>Two coats superior quality "Plascon" or other equally approved WoodCare Interior ultra varnish</u>			
Skirting, rails, etc. not exceeding 300mm girth	m	124	
<u>"Plascon" or other approved clear timber protective sealer as per manufacturer's recommendation</u>			
On laminated beams	m2	19	
<u>Two coats Carbolineum</u>			
On exposed trusses	m2	38	
<u>ON METAL SURFACES</u>			
Carried Forward			R
Section No. 6 Bill No. 10 Paintwork			

	Brought Forward			R
	<u>"Plascon" or other equally approved one coat red oxideon primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>			
9	On door frames	m2	9	
10	On window frames	m2	23	
	<u>ON EXISTING SURFACES</u>			
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
	<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved Primer (PP700) and two coats "Velvagio" water based paint for interior use</u>			
11	On walls	m2	372	
Carried Forward to Summary of Section No. 6				R
Section No. 6				
Bill No. 10				
Paintwork				

Storm Damage Repairs to Ndabeni Primary School

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Storm Damage Repairs to Ndabeni Primary School

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Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 7</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section</p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>General</u></p> <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 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>Carried Forward</p>			<p>R</p>
<p>Section No. 7 Bill No. 1 Alterations</p>			

<p style="text-align: center;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 7 Bill No. 1 Alterations</p>		R	

Brought Forward		R	
<p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></p>			
1	Carefully take out and remove existing metal roof covering including insulation, timber purlins, etc.	m2	174
<p>Carried Forward to Summary of Section No. 7</p> <p>Section No. 7 Bill No. 1 Alterations</p>		R	

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SHEETING</u>			
	Roof pitch to be 15 degrees & 3 degrees. 0,8mm aluminium roof sheeting with pre-painted G4 colortech finish on both sides complete with fixings, ridge flashing and mastic sealant to all side laps supplied by roof manufacture. determine direction of wind before laying sheets. sheets to project a minimum of 50mm beyond purlins at eaves. sheets to be fixed to 76 x 50mm timber purlins at max. of 1250mm centers on prefabricated trusses by engineer at max. of 1250mm centers to be strapped to 114 x 38mm wall plate with 30 x 1.6 x 1600mm long galvanised hoop iron straps built into coursing. Sisalation "RF405" underlay over trusses and under purlins on straining wires. prefabricated cleated roof trusses 114 x 38mm rafters and ties, 114 x 38mm intermediate members as per details hurricane clips be used externally to secure purlins to trusses at eaves overhangs. double wound 2.5mm diameter galvanised wire to secure purlins internally. all exposed roof timber to be painted with 2 coats of ABE provonite, before fixing of roof sheets, fascias and barge boards			
	<u>SAFETY</u>			
	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
	<u>INSTALLATION</u>			
	Carried Forward		R	
	Section No. 7 Bill No. 2 Roof Coverings			

<p style="text-align: center;">Brought Forward</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that <p style="text-align: center;">Carried Forward</p> <p>Section No. 7 Bill No. 2 Roof Coverings</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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Brought Forward			R
	direct contact with the sheeting is avoided.		
g.	The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.		
<u>PROTRUSION THROUGH SHEETED SURFACES</u>			
Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.			
<u>GUARANTEE</u>			
The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS contractor. A written and five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>"Global Kliptite" or other equally approved double interlocking concealed fix, 0.8mm spelter galvanised sheet steel and accessories, fixed to timber purlins</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	174
<u>Sundries</u>			
2	Ridge flashings 550mm girth	m	15
Carried Forward			R
Section No. 7 Bill No. 2 Roof Coverings			

Brought Forward				R
<u>ROOF AND WALL INSULATION</u>				
<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>				
3	Insulation laid taut over purlins (at approximately 1 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	174	
Carried Forward to Summary of Section No. 7				R
Section No. 7				
Bill No. 2				
Roof Coverings				

Item No		Quantity	Rate	Amount
<u>BILL NO. 3</u>				
<u>CARPENTRY AND JOINERY</u>				
<u>PREAMBLES</u>				
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section				
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item				
<u>PREFABRICATED ROOF TRUSSES, ETC.</u>				
<u>Sawn softwood</u>				
1	50 x 75mm Purlins	m	173	
<u>EAVES, VERGES ETC</u>				
<u>"Everite Nutec" or other equally approved medium density pressed fibre-cement</u>				
2	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	23	
3	80 x 275mm Angle section barge board, including galavanised steel H-profile joiners	m	30	
Carried Forward to Summary of Section No. 7				R
Section No. 7 Bill No. 3 Carpentry and Joinery				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Ogee profile aluminium H3003h 14" or other equally approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other equally approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u>			
1	125 x 85 x 0.6mm Ogee profile gutter	m	30	
2	Extra over gutter for 100 x 75mm outlet	No	2	
3	Extra over gutter for stop ends	No	4	
	<u>0.7mm Baked enamel aluminium downpipe including holderbats</u>			
4	100 x 75mm rainwater pipe	m	8	
5	Extra over rainwater pipe for bend	No	4	
6	Extra over rainwater pipe for shoe	No	2	
	Carried Forward to Summary of Section No. 7			
	Section No. 7			
	Bill No. 4			
	Plumbing and Drainage			
			R	

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Storm Damage Repairs to
Ndabeni Primary School

Brought Forward			R
	<u>One coat primer, one coat universal undercoat and two coats "Plascon Velvaglo Polyurethane Enamel" or equal and approved paint</u>		
1	On fascia and barge boards	m	53
	<u>ON WOOD SURFACES</u>		
	<u>Two coats Carbolineum</u>		
2	On exposed trusses	m2	174
Carried Forward to Summary of Section No. 7			R
Section No. 7			
Bill No. 5			
Paintwork			

Bill No	SECTION SUMMARY - Block F - Kitchen and Food Store	Page No	Amount
1	Alterations	144	
2	Roof Coverings	148	
3	Carpentry and Joinery	149	
4	Plumbing and Drainage	150	
5	Paintwork	152	
Section No. 7		Carried to Final Summary	
		R	

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 8</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section</p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>General</u></p> <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 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>Carried Forward</p>			<p>R</p>
<p>Section No. 8 Bill No. 1 Alterations</p>			

<p style="text-align: center;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 8 Bill No. 1 Alterations</p>		R	

Brought Forward			R
<p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion</p>			
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
1	Carefully take out concrete roof tiles including sislotion, timber battens, etc. and remove off site damaged roof tiles	m2	114
2	Fibre cement ceilings, including cornices, timber brandering, etc.	m2	88
3	Existing asbestos fascia boards	m	24
4	Existing asbestos barge boards	m	19
<u>Carefully take out and remove gutters and downpipes etc.</u>			
5	Existing metal gutter	m	24
6	Existing metal downpipes including outlet, bends & shoe	m	7
Carried Forward			R
Section No. 8 Bill No. 1 Alterations			

**Storm Damage Repairs to
Ndabeni Primary School**

Brought Forward			R
<u>Take out and remove doors, windows etc from brickwork to remain including making good cement plaster on both sides</u>			
7	Timber single door 813 x 2032mm high overall	No	11
<u>Taking out/off and removing glass and mirrors</u>			
8	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere measured)	m2	8
<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>			
9	Ceramic floor tiles	m2	88
10	Tiles skirting to walls	m	68
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
11	Allow the sum of R 120,000.00 for replacing damaged sanware	Item	120,000.00
Carried Forward to Summary of Section No. 8			
Section No. 8			
Bill No. 1			
Alterations			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SHEETING</u>			
	Roof pitch to be 15 degrees & 3 degrees. 0,8mm aluminium roof sheeting with pre-painted G4 colortech finish on both sides complete with fixings, ridge flashing and mastic sealant to all side laps supplied by roof manufacture. determine direction of wind before laying sheets. sheets to project a minimum of 50mm beyond purlins at eaves. sheets to be fixed to 76 x 50mm timber purlins at max. of 1250mm centers on prefabricated trusses by engineer at max. of 1250mm centers to be strapped to 114 x 38mm wall plate with 30 x 1.6 x 1600mm long galvanised hoop iron straps built into coursing. Sisalation "RF405" underlay over trusses and under purlins on straining wires. prefabricated cleated roof trusses 114 x 38mm rafters and ties, 114 x 38mm intermediate members as per details hurricane clips be used externally to secure purlins to trusses at eaves overhangs. double wound 2.5mm diameter galvanised wire to secure purlins internally. all exposed roof timber to be painted with 2 coats of ABE provonite, before fixing of roof sheets, fascias and barge boards			
	<u>SAFETY</u>			
	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
	<u>INSTALLATION</u>			
	Carried Forward		R	
	Section No. 8 Bill No. 2 Roof Coverings			

<p style="text-align: center;">Brought Forward</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ul style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that <p style="text-align: center;">Carried Forward</p> <p>Section No. 8 Bill No. 2 Roof Coverings</p>	<p style="text-align: center;">R</p>
	R

Brought Forward			R
	direct contact with the sheeting is avoided.		
g.	The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.		
<u>PROTRUSION THROUGH SHEETED SURFACES</u>			
Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.			
<u>GUARANTEE</u>			
The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS contractor. A written and five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>"Global Kliptite" or other equally approved double interlocking concealed fix, 0.8mm spelter galvanised sheet steel and accessories, fixed to timber purlins</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	114
<u>Sundries</u>			
2	Ridge flashings 550mm girth	m	12
Carried Forward			R
Section No. 8 Bill No. 2 Roof Coverings			

Brought Forward				R
<u>ROOF AND WALL INSULATION</u>				
<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>				
3	Insulation laid taut over purlins (at approximately 1 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	114	
Carried Forward to Summary of Section No. 8				R
Section No. 8				
Bill No. 2				
Roof Coverings				

**Storm Damage Repairs to
Ndabeni Primary School**

Brought Forward				R
	<u>Semi-solid core with veneer on both sides suitable for painting</u>			
5	44mm Door 813 x 1880mm high hung to steel frames. Tenderers are referred to Architects drawings annexed to these Bills of Quantities for the full description of the door.	No	10	
	<u>BUDGETARY ALLOWANCES</u>			
	Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
6	Allow the sum of R11,000.00 for ironmongery		Item	11,000.00
Carried Forward to Summary of Section No. 8				R
Section No. 8				
Bill No. 3				
Carpentry and Joinery				

Item No	Quantity	Rate	Amount
<u>BILL NO. 4</u>			
<u>METALWORK</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<u>GALVANISED PRESSED STEEL DOOR FRAMES</u>			
<u>1,2mm Double rebated frames suitable for half brick wall fitted with three hinges</u>			
1	Frame for door 813 x 2032mm high.	No	10
<u>1,2mm Double rebated frames suitable for one brick walls fitted with three hinges</u>			
2	Frame for door 813 x 2032mm high.	No	1
Carried Forward to Summary of Section No. 8			R
Section No. 8			
Bill No. 4			
Metalworks			

Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<u>SUPPLEMENTARY PREAMBLES</u>			
Openings in ceilings for light fittings etc. are to include for additional suspension as required			
<u>Fixings</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork, brickwork or concrete.			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
Carried Forward		R	
Section No. 8 Bill No. 5 Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>Insulation</u>			
Insulation laid on the ceiling ensuring that it fits tightly between the tie beams.			
Insulation should be cut 50mm more than distance between the tie beams. Cut insulation out around down lights. Cut Insulation out around trap doors.			
Fix the cut section to the back of the trap door using a good quality contact adhesive. Wrap insulation around cold and hot water pipes ensuring that there is 10mm overlap. Secure the insulation using a cable tie at 300mm centres			
<u>Steel components</u>			
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121			
<u>NAILED-UP CEILINGS</u>			
<u>9,5mm "Rhino" gypsum plasterboard with taped and skimmed joints</u>			
1	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	88
2	Extra over ceiling for 600 x 600mm trap door of 42 x 42mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening.	No	1
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices mitred at corners with splayed heading joints and bed with Rhinobed gypsum plaster and spiked to branders	m	39
Carried Forward to Summary of Section No. 8			R
Section No. 8			
Bill No. 5			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>TILING</u>			
	<u>PREAMBLES</u>			
	Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>FLOOR TILING</u>			
	<u>600 x 600mm tiles "Tile Africa" 'Olbia Grey Glazed Polished Porcelain' Code: T0028784 or other equally approved tile fixed with adhesive mixture for porcelain tiles to screed (screed elsewhere measured) and flush pointed with tinted grout</u>			
1	On floors	m2	88	
2	75mm High skirting	m	68	
	<u>SUNDRIES</u>			
	<u>"Genesis" or other equally approved edge trims:</u>			
3	21 x 10mm aluminium straight edge trim (Code: ESA 100.80)	m	1	
	Carried Forward to Summary of Section No. 8		R	
	Section No. 8			
	Bill No. 6			
	Tiling			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Ogee profile aluminium H3003h 14" or other equally approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other equally approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u>			
1	125 x 85 x 0.6mm Ogee profile gutter	m	24	
2	Extra over gutter for 100 x 75mm outlet	No	2	
3	Extra over gutter for stop ends	No	4	
	<u>0.7mm Baked enamel aluminium downpipe including holderbats</u>			
4	100 x 75mm rainwater pipe	m	7	
5	Extra over rainwater pipe for bend	No	4	
6	Extra over rainwater pipe for shoe	No	2	
	Carried Forward to Summary of Section No. 8		R	
	Section No. 8			
	Bill No. 7			
	Plumbing and Drainage			

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Brought Forward			R
	<u>"Plascon" or other equally approved gypsum and plaster primer (PP700) and two coats professional super matt (PEM 900/TSA) for interior use</u>		
1	Ceilings including priming metal cover strips and nailheads	m2	88
2	75mm Cornices	m	39
	<u>ON FIBRE-CEMENT BOARD SURFACES</u>		
	<u>One coat primer, one coat universal undercoat and two coats "Plascon Velvaglo Polyurethane Enamel" or equal and approved paint</u>		
3	On fascia and barge boards	m	43
	<u>ON WOOD SURFACES</u>		
	<u>"Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>		
4	On doors	m2	44
	<u>Two coats Carbolineum</u>		
5	On exposed trusses	m2	15
	<u>ON METAL SURFACES</u>		
	<u>"Plascon" or other equally approved one coat red oxide primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>		
6	On door frames	m2	25
	<u>ON EXISTING SURFACES</u>		
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>		
	<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved Primer (PP700) and two coats "Velvaglo" water based paint for interior use</u>		
7	On walls	m2	204
	Carried Forward to Summary of Section No. 8		R
	Section No. 8		
	Bill No. 9		
	Paintwork		

Storm Damage Repairs to Ndabeni Primary School

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SECTION SUMMARY - Block T1a - Female Teacher and Student Ablution Block			
Bill No		Page No	Amount
1	Alterations	157	
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5	Ceilings, Partitions and Access Flooring	166	
6	Tiling	167	
7	Plumbing and Drainage	168	
8	Glazing	169	
9	Paintwork	171	
10	Provisional Sums	172	
Carried to Final Summary			R
Section No. 8			

Item No	Quantity	Rate	Amount
<u>SECTION NO. 9</u>			
<u>BILL NO. 1</u>			
<u>ALTERATIONS</u>			
<u>PREAMBLES</u>			
<p>Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section</p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>View site</u>			
<p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p>			
<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 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>			
Carried Forward		R	
Section No. 9 Bill No. 1 Alterations			

<p style="text-align: center;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 9 Bill No. 1 Alterations</p>	<p style="text-align: center;">R</p>

Brought Forward			R
<p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion</p>			
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
1	Carefully take out concrete roof tiles including sislotion, timber battens, etc. and remove off site damaged roof tiles	m2	114
2	Fibre cement ceilings, including cornices, timber brandering, etc.	m2	88
3	Existing asbestos fascia boards	m	24
4	Existing asbestos barge boards	m	19
<u>Carefully take out and remove gutters and downpipes etc.</u>			
5	Existing metal gutter	m	24
6	Existing metal downpipes including outlet, bends & shoe	m	7
Carried Forward			R
Section No. 9 Bill No. 1 Alterations			

Storm Damage Repairs to Ndabeni Primary School

Brought Forward			R
<u>Take out and remove doors, windows etc from brickwork to remain including making good cement plaster on both sides</u>			
7	Timber single door 813 x 2032mm high overall	No	8
<u>Taking out/off and removing glass and mirrors</u>			
8	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere measured)	m2	8
<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>			
9	Ceramic floor tiles	m2	88
10	Tiles skirting to walls	m	68
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
11	Allow the sum of R 120,000.00 for replacing damaged sanware	Item	120,000.00
Carried Forward to Summary of Section No. 9			R
Section No. 9			
Bill No. 1			
Alterations			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SHEETING</u>			
	Roof pitch to be 15 degrees & 3 degrees. 0,8mm aluminium roof sheeting with pre-painted G4 colortech finish on both sides complete with fixings, ridge flashing and mastic sealant to all side laps supplied by roof manufacture. determine direction of wind before laying sheets. sheets to project a minimum of 50mm beyond purlins at eaves. sheets to be fixed to 76 x 50mm timber purlins at max. of 1250mm centers on prefabricated trusses by engineer at max. of 1250mm centers to be strapped to 114 x 38mm wall plate with 30 x 1.6 x 1600mm long galvanised hoop iron straps built into coursing. Sisalation "RF405" underlay over trusses and under purlins on straining wires. prefabricated cleated roof trusses 114 x 38mm rafters and ties, 114 x 38mm intermediate members as per details hurricane clips be used externally to secure purlins to trusses at eaves overhangs. double wound 2.5mm diameter galvanised wire to secure purlins internally. all exposed roof timber to be painted with 2 coats of ABE provonite, before fixing of roof sheets, fascias and barge boards			
	<u>SAFETY</u>			
	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
	<u>INSTALLATION</u>			
	Carried Forward		R	
	Section No. 9 Bill No. 2 Roof Coverings			

<p style="text-align: center;">Brought Forward</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that <p style="text-align: center;">Carried Forward</p> <p>Section No. 9 Bill No. 2 Roof Coverings</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
--	---

Brought Forward			R
	direct contact with the sheeting is avoided.		
g.	The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.		
<u>PROTRUSION THROUGH SHEETED SURFACES</u>			
Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.			
<u>GUARANTEE</u>			
The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS contractor. A written and five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.			
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>"Global Kliptite" or other equally approved double interlocking concealed fix, 0.8mm spelter galvanised sheet steel and accessories, fixed to timber purlins</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	114
<u>Sundries</u>			
2	Ridge flashings 550mm girth	m	12
Carried Forward			R
Section No. 9 Bill No. 2 Roof Coverings			

Brought Forward				R
<u>ROOF AND WALL INSULATION</u>				
<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>				
3	Insulation laid taut over purlins (at approximately 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	114	
Carried Forward to Summary of Section No. 9				R
Section No. 9				
Bill No. 2				
Roof Coverings				

**Storm Damage Repairs to
Ndabeni Primary School**

Brought Forward				R
	<u>Semi-solid core with veneer on both sides suitable for painting</u>			
5	44mm Door 813 x 1880mm high hung to steel frames. Tenderers are referred to Architects drawings annexed to these Bills of Quantities for the full description of the door.	No	7	
	<u>BUDGETARY ALLOWANCES</u>			
	Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
6	Allow the sum of R11,000.00 for ironmongery		Item	11,000.00
Carried Forward to Summary of Section No. 9				R
Section No. 9				
Bill No. 3				
Carpentry and Joinery				

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Item No	Quantity	Rate	Amount
<u>BILL NO. 5</u>			
<u>CEILINGS PARTITIONS AND ACCESS FLOORING</u>			
<u>PREAMBLES</u>			
Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
<u>SUPPLEMENTARY PREAMBLES</u>			
Openings in ceilings for light fittings etc. are to include for additional suspension as required			
<u>Fixings</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pinned to blockwork, brickwork or concrete.			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
<u>Ceilings</u>			
Unless otherwise described ceilings shall be deemed to be horizontal			
Carried Forward		R	
Section No. 9 Bill No. 5 Ceilings, Partitions and Access Flooring			

Brought Forward			R
<u>Insulation</u>			
Insulation laid on the ceiling ensuring that it fits tightly between the tie beams.			
Insulation should be cut 50mm more than distance between the tie beams. Cut insulation out around down lights. Cut Insulation out around trap doors.			
Fix the cut section to the back of the trap door using a good quality contact adhesive. Wrap insulation around cold and hot water pipes ensuring that there is 10mm overlap. Secure the insulation using a cable tie at 300mm centres			
<u>Steel components</u>			
All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121			
<u>NAILED-UP CEILINGS</u>			
<u>9,5mm "Rhino" gypsum plasterboard with taped and skimmed joints</u>			
1	Ceilings including 38 x 38mm sawn softwood brander at 400mm centres	m2	88
2	Extra over ceiling for 600 x 600mm trap door of 42 x 42mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening.	No	1
<u>"Rhino" gypsum plasterboard cornices</u>			
3	75mm Coved cornices mitred at corners with splayed heading joints and bed with Rhinobed gypsum plaster and spiked to branders	m	39
Carried Forward to Summary of Section No. 9			R
Section No. 9			
Bill No. 5			
Ceilings, Partitions and Access Flooring			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>TILING</u>			
	<u>PREAMBLES</u>			
	Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>FLOOR TILING</u>			
	<u>600 x 600mm tiles "Tile Africa" 'Olbia Grey Glazed Polished Porcelain' Code: T0028784 or other equally approved tile fixed with adhesive mixture for porcelain tiles to screed (screed elsewhere measured) and flush pointed with tinted grout</u>			
1	On floors	m2	88	
2	75mm High skirting	m	68	
	<u>SUNDRIES</u>			
	<u>"Genesis" or other equally approved edge trims:</u>			
3	21 x 10mm aluminium straight edge trim (Code: ESA 100.80)	m	1	
	Carried Forward to Summary of Section No. 9			R
	Section No. 9			
	Bill No. 6			
	Tiling			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Ogee profile aluminium H3003h 14" or other equally approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other equally approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u>			
1	125 x 85 x 0.6mm Ogee profile gutter	m	24	
2	Extra over gutter for 100 x 75mm outlet	No	2	
3	Extra over gutter for stop ends	No	4	
	<u>0.7mm Baked enamel aluminium downpipe including holderbats</u>			
4	100 x 75mm rainwater pipe	m	7	
5	Extra over rainwater pipe for bend	No	4	
6	Extra over rainwater pipe for shoe	No	2	
	Carried Forward to Summary of Section No. 9		R	
	Section No. 9			
	Bill No. 7			
	Plumbing and Drainage			

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Brought Forward			R
	<u>"Plascon" or other equally approved gypsum and plaster primer (PP700) and two coats professional super matt (PEM 900/TSA) for interior use</u>		
1	Ceilings including priming metal cover strips and nailheads	m2	88
2	75mm Cornices	m	39
	<u>ON FIBRE-CEMENT BOARD SURFACES</u>		
	<u>One coat primer, one coat universal undercoat and two coats "Plascon Velvaglo Polyurethane Enamel" or equal and approved paint</u>		
3	On fascia and barge boards	m	43
	<u>ON WOOD SURFACES</u>		
	<u>"Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>		
4	On doors	m2	32
	<u>Two coats Carbolineum</u>		
5	On exposed trusses	m2	15
	<u>ON METAL SURFACES</u>		
	<u>"Plascon" or other equally approved one coat red oxide primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>		
6	On door frames	m2	18
	<u>ON EXISTING SURFACES</u>		
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>		
	<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved Primer (PP700) and two coats "Velvaglo" water based paint for interior use</u>		
7	On walls	m2	204
	Carried Forward to Summary of Section No. 9		R
	Section No. 9		
	Bill No. 9		
	Paintwork		

Storm Damage Repairs to Ndabeni Primary School

Item No		Unit	Quantity	Rate	Amount
BILL NO. 10					
PROVISIONAL SUMS					
SUPPLEMENTARY PREAMBLES					
General					
Unless otherwise described, all prime cost amounts and provisional sums exclude the cash discount of 5% and include for delivery to site of all articles concerned					
All prime cost amounts and provisional sums are net and include for delivery to site of all articles concerned					
ELECTRICAL					
1	Provide an amount of R40,000.00 (Forty Thousand Rand) for electrical works		Item		40,000.00
2	Profit on the above item		Item		
3	Attendance on the above item		Item		
				R	
Carried Forward to Summary of Section No. 9					
Section No. 9 Bill No. 10 Provisional Sums					

Storm Damage Repairs to Ndabeni Primary School

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Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 10</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section</p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>General</u></p> <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 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>Carried Forward</p>			<p>R</p>
<p>Section No. 10 Bill No. 1 Alterations</p>			

<p style="text-align: center;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 10 Bill No. 1 Alterations</p>		R	

Brought Forward			R
<p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></p>			
1	Carefully take out and remove existing metal roof covering including sislotion, timber purlins, etc.	m2	24
<p><u>Take out and remove doors, windows etc from brickwork to remain including making good cement plaster on both sides</u></p>			
2	Timber single door 813 x 2032mm high overall	No	5
<p><u>Taking out/off and removing glass and mirrors</u></p>			
3	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere measured)	m2	5
Carried Forward			R
<p>Section No. 10 Bill No. 1 Alterations</p>			

Brought Forward		R
<u>BUDGETARY ALLOWANCES</u>		
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances		
4	Allow the sum of R 60,000.00 for replacing damaged sanware	60,000.00
<p>Carried Forward to Summary of Section No. 10</p> <p>Section No. 10 Bill No. 1 Alterations</p>		

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SHEETING</u>			
	Roof pitch to be 15 degrees & 3 degrees. 0,8mm aluminium roof sheeting with pre-painted G4 colortech finish on both sides complete with fixings, ridge flashing and mastic sealant to all side laps supplied by roof manufacture. determine direction of wind before laying sheets. sheets to project a minimum of 50mm beyond purlins at eaves. sheets to be fixed to 76 x 50mm timber purlins at max. of 1250mm centers on prefabricated trusses by engineer at max. of 1250mm centers to be strapped to 114 x 38mm wall plate with 30 x 1.6 x 1600mm long galvanised hoop iron straps built into coursing. Sisalation "RF405" underlay over trusses and under purlins on straining wires. prefabricated cleated roof trusses 114 x 38mm rafters and ties, 114 x 38mm intermediate members as per details hurricane clips be used externally to secure purlins to trusses at eaves overhangs. double wound 2.5mm diameter galvanised wire to secure purlins internally. all exposed roof timber to be painted with 2 coats of ABE provonite, before fixing of roof sheets, fascias and barge boards			
	<u>SAFETY</u>			
	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
	<u>INSTALLATION</u>			
	Carried Forward		R	
	Section No. 10 Bill No. 2 Roof Coverings			

<p style="text-align: center;">Brought Forward</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that <p style="text-align: center;">Carried Forward</p> <p>Section No. 10 Bill No. 2 Roof Coverings</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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		Brought Forward			R
		<p>direct contact with the sheeting is avoided.</p> <p>g. The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.</p>			
		<u>PROTRUSION THROUGH SHEETED SURFACES</u>			
		<p>Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.</p>			
		<u>GUARANTEE</u>			
		<p>The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS contractor. A written and five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.</p>			
		<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
		<u>"Global KlipTite" or other equally approved double interlocking concealed fix, 0.8mm spelter galvanised sheet steel and accessories, fixed to timber purlins</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	24		
		<u>ROOF AND WALL INSULATION</u>			
		Carried Forward			R
	Section No. 10 Bill No. 2 Roof Coverings				

Brought Forward				R
	<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>			
2	Insulation laid taut over purlins (at approximately 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	24	
Carried Forward to Summary of Section No. 10				R
Section No. 10				
Bill No. 2				
Roof Coverings				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>PREAMBLES</u>			
	Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
	<u>Sawn softwood</u>			
1	50 x 75mm Purlins	m	28	
	<u>EAVES, VERGES ETC</u>			
	<u>"Everite Nutec" or other equally approved medium density pressed fibre-cement</u>			
2	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	6	
3	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	12	
	<u>FRAMED DOORS ETC</u>			
	<u>Wrought meranti doors hung to wooden frames</u>			
4	40mm Framed, ledged and batten door 813 x 2032mm x 44mm ply backed hardwood door. Tenderers are referred to Architect's drawings annexured to these Bills of Quantities for the full description of the door	No	5	
	Carried Forward		R	
	Section No. 10 Bill No. 3 Carpentry and Joinery			

Brought Forward		R	
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
5	Allow the sum of R5,000.00 for ironmongery	Item	5,000.00
Carried Forward to Summary of Section No. 10		R	
Section No. 10			
Bill No. 3			
Carpentry and Joinery			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Ogee profile aluminium H3003h 14" or other equally approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other equally approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u>			
1	125 x 85 x 0.6mm Ogee profile gutter	m	6	
2	Extra over gutter for 100 x 75mm outlet	No	1	
3	Extra over gutter for stop ends	No	2	
	<u>0.7mm Baked enamel aluminium downpipe including holderbats</u>			
4	100 x 75mm rainwater pipe	m	4	
5	Extra over rainwater pipe for bend	No	2	
6	Extra over rainwater pipe for shoe	No	1	
	Carried Forward to Summary of Section No. 10		R	
	Section No. 10			
	Bill No. 5			
	Plumbing and Drainage			

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Brought Forward			R
	<u>One coat primer, one coat universal undercoat and two coats "Plascon Velvaglo Polyurethane Enamel" or equal and approved paint</u>		
1	On fascia and barge boards	m	18
	<u>ON WOOD SURFACES</u>		
	<u>"Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>		
2	On doors	m2	20
	<u>Two coats Carbolineum</u>		
3	On exposed trusses	m2	7
	<u>ON METAL SURFACES</u>		
	<u>"Plascon" or other equally approved one coat red oxideon primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>		
4	On door frames	m2	11
	<u>ON EXISTING SURFACES</u>		
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>		
	<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved Primer (PP700) and two coats "Velvaglo" water based paint for interior use</u>		
5	On walls	m2	127
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>		
	<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved alkali resistant primer and two coats "Micatex" emulsion paint for exterior use</u>		
6	On walls	m2	55
Carried Forward to Summary of Section No. 10			R
Section No. 10			
Bill No. 7			
Paintwork			

Storm Damage Repairs to Ndabeni Primary School

Bill No	SECTION SUMMARY - Block T2a - Boy's Toilets	Page No	Amount
1	Alterations	197	
2	Roof Coverings	201	
3	Carpentry and Joinery	203	
4	Metalworks	204	
5	Plumbing and Drainage	205	
6	Glazing	206	
7	Paintwork	208	
Carried to Final Summary			R
Section No. 10			

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 11</u></p> <p><u>BILL NO. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section</p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>General</u></p> <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 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>Carried Forward</p>			<p>R</p>
<p>Section No. 11 Bill No. 1 Alterations</p>			

<p style="text-align: center;">Brought Forward</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before re-fixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 11 Bill No. 1 Alterations</p>	<p style="text-align: center;">R</p>

Brought Forward			R
<p>Proof of such notification must be applied to the Client prior to work proceeding. All employees must be informed and receive training on aspects such as the contents and scope of the Asbestos Regulations as published in Government Gazette 23108 dated 10 February 2002, the potential risks of exposure to asbestos, precautionary measures employees have to take and all other requirements deemed necessary to provide a safe and healthy environment for all employees as specified by the Asbestos Regulations as indicated above.</p> <p>Disposal shall be done under strict accordance of the act.</p> <p>Contractors will be held responsible for all damage, however caused, to ceilings, finishes, etc. inside rooms where the existing roof coverings have been removed and he must make good all damage at his own expense to the approval of the employer. Contractors are to Cover and maintain existing roofs in a perfectly watertight condition during alterations by means of heavy tarpaulins properly secured and maintained in position to the approval of the Employer and make good all work damaged or distributed after completion</p> <p><u>REMOVAL OF EXISTING WORK</u></p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></p>			
1	Carefully take out and remove existing metal roof covering including sislotion, timber purlins, etc.	m2	24
<p><u>Take out and remove doors, windows etc from brickwork to remain including making good cement plaster on both sides</u></p>			
2	Timber single door 813 x 2032mm high overall	No	5
<p><u>Taking out/off and removing glass and mirrors</u></p>			
3	Glass from steel windows, including cleaning out rebates and preparing for new glass (new glass elsewhere measured)	m2	5
Carried Forward			R
<p>Section No. 11 Bill No. 1 Alterations</p>			

**Storm Damage Repairs to
Ndabeni Primary School**

Brought Forward		R	
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
4	Allow the sum of R 60,000.00 for replacing damaged sanware	Item	60,000.00
Carried Forward to Summary of Section No. 11		R	
Section No. 11			
Bill No. 1			
Alterations			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>ROOF COVERINGS</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Model Preambles To All Trades 2008", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>SHEETING</u>			
	Roof pitch to be 15 degrees & 3 degrees. 0,8mm aluminium roof sheeting with pre-painted G4 colortech finish on both sides complete with fixings, ridge flashing and mastic sealant to all side laps supplied by roof manufacture. determine direction of wind before laying sheets. sheets to project a minimum of 50mm beyond purlins at eaves. sheets to be fixed to 76 x 50mm timber purlins at max. of 1250mm centers on prefabricated trusses by engineer at max. of 1250mm centers to be strapped to 114 x 38mm wall plate with 30 x 1.6 x 1600mm long galvanised hoop iron straps built into coursing. Sisalation "RF405" underlay over trusses and under purlins on straining wires. prefabricated cleated roof trusses 114 x 38mm rafters and ties, 114 x 38mm intermediate members as per details hurricane clips be used externally to secure purlins to trusses at eaves overhangs. double wound 2.5mm diameter galvanised wire to secure purlins internally. all exposed roof timber to be painted with 2 coats of ABE provonite, before fixing of roof sheets, fascias and barge boards			
	<u>SAFETY</u>			
	The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
	<u>INSTALLATION</u>			
	Carried Forward		R	
	Section No. 11 Bill No. 2 Roof Coverings			

<p style="text-align: center;">Brought Forward</p> <p>Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.</p> <p><u>HANDLING AND STORAGE</u></p> <p>The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that <p style="text-align: center;">Carried Forward</p> <p>Section No. 11 Bill No. 2 Roof Coverings</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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		Brought Forward			R
		direct contact with the sheeting is avoided.			
	g.	The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.			
		<u>PROTRUSION THROUGH SHEETED SURFACES</u>			
		Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.			
		<u>GUARANTEE</u>			
		The manufacturer shall comply with ISO 9001:2008 Quality Management System. Klip-Tite™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a GRS contractor. A written and five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.			
		<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
		<u>"Global KlipTite" or other equally approved double interlocking concealed fix, 0.8mm spelter galvanised sheet steel and accessories, fixed to timber purlins</u>			
1		Roof covering with pitch not exceeding 25 degrees	m2	24	
		<u>ROOF AND WALL INSULATION</u>			
		Carried Forward			R
		Section No. 11 Bill No. 2 Roof Coverings			

Brought Forward				R
	<u>"Sisalation 410" housing grade glass fibre reinforced aluminium foil bonded insulation</u>			
2	Insulation laid taut over purlins (at approximately 100mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	24	
Carried Forward to Summary of Section No. 11				R
Section No. 11				
Bill No. 2				
Roof Coverings				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>PREAMBLES</u>			
	Tenderers are to refer to the Model Preambles for Trades 2017 as published by the Association of South African Quantity Surveyors and supplementary preambles for further description and amplification of work in this section			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>PREFABRICATED ROOF TRUSSES, ETC.</u>			
	<u>Sawn softwood</u>			
1	50 x 75mm Purlins	m	28	
	<u>EAVES, VERGES ETC</u>			
	<u>"Everite Nutec" or other equally approved medium density pressed fibre-cement</u>			
2	15 x 255mm Fascias, including galvanised steel H-profile joiners	m	6	
3	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	12	
	<u>FRAMED DOORS ETC</u>			
	<u>Wrought meranti doors hung to wooden frames</u>			
4	40mm Framed, ledged and batten door 813 x 2032mm x 44mm ply backed hardwood door. Tenderers are referred to Architect's drawings annexured to these Bills of Quantities for the full description of the door	No	5	
	Carried Forward		R	
	Section No. 11 Bill No. 3 Carpentry and Joinery			

Brought Forward		R	
<u>BUDGETARY ALLOWANCES</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
5	Allow the sum of R5,000.00 for ironmongery	Item	5,000.00
Carried Forward to Summary of Section No. 11		R	
Section No. 11			
Bill No. 3			
Carpentry and Joinery			

[illegible]

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>RAINWATER DISPOSAL</u>			
	<u>"Ogee profile aluminium H3003h 14" or other equally approved seamless gutter in marble white colour with and including matching rivet fixed mitres and end caps internally sealed using "Sika" or other equally approved silicon mastic sealer. Gutters are to be hung with nailed fixed internal aluminium hangers at 600mm centres to fibre cement fascia boards (Fibre cement fascia boards elsewhere measured)</u>			
1	125 x 85 x 0.6mm Ogee profile gutter	m	6	
2	Extra over gutter for 100 x 75mm outlet	No	1	
3	Extra over gutter for stop ends	No	2	
	<u>0.7mm Baked enamel aluminium downpipe including holderbats</u>			
4	100 x 75mm rainwater pipe	m	4	
5	Extra over rainwater pipe for bend	No	2	
6	Extra over rainwater pipe for shoe	No	1	
	Carried Forward to Summary of Section No. 11		R	
	Section No. 11			
	Bill No. 5			
	Plumbing and Drainage			

[illegible]

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Brought Forward			R
	<u>One coat primer, one coat universal undercoat and two coats "Plascon Velvaglo Polyurethane Enamel" or equal and approved paint</u>		
1	On fascia and barge boards	m	18
	<u>ON WOOD SURFACES</u>		
	<u>"Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>		
2	On doors	m2	20
	<u>Two coats Carbolineum</u>		
3	On exposed trusses	m2	7
	<u>ON METAL SURFACES</u>		
	<u>"Plascon" or other equally approved one coat red oxideon primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>		
4	On door frames	m2	11
	<u>ON EXISTING SURFACES</u>		
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>		
	<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved Primer (PP700) and two coats "Velvaglo" water based paint for interior use</u>		
5	On walls	m2	127
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>		
	<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved alkali resistant primer and two coats "Micatex" emulsion paint for exterior use</u>		
6	On walls	m2	55
Carried Forward to Summary of Section No. 11			R
Section No. 11			
Bill No. 7			
Paintwork			

Storm Damage Repairs to Ndabeni Primary School

Bill No	SECTION SUMMARY - Block T2b - Girl's Toilets	Page No	Amount
1	Alterations	213	
2	Roof Coverings	217	
3	Carpentry and Joinery	219	
4	Metalworks	220	
5	Plumbing and Drainage	221	
6	Glazing	222	
7	Paintwork	224	
Carried to Final Summary			R
Section No. 11			

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 12</u>			
	<u>BILL NO. 1</u>			
	<u>EXTERNAL WORKS (ALL TRADES)</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>THE FOLLOWING IN V-DRAINS</u>			
	<u>Earthworks</u>			
1	Excavate in earth to reduce levels	m3	89	
2	Extra over on excavations for surplus material from excavations and/or stock piles to an approved dumping site located by the contractor	m3	89	
3	Backfilling with G5 material under bases supplied and carted onto site by the Contractor all in accordance with SABS 1200Dm compacted in layers of 150mm to 93% Mod. AASHTO maximum density	m3	45	
4	Compaction of ground surface under aprons including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 97% Mod. AASHTO density	m2	296	
5	Approved brand of anti-termite soil poison applied by a registered pest control company and guaranteed against termite infestation for ten years under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming	m2	296	
6	Modified AASHTO Density tests on fillings as pointed out by the Engineer on site to the approval of the Project Manager.	No	8	
	Carried Forward		R	
	Section No. 12			
	Bill No. 1			
	External Works			

Brought Forward			R
<u>Concrete, Formwork & Reinforcement</u>			
7	Reinforced concrete 30MPa/19mm in v-drains	m3	44
8	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional).	No	8
9	Finishing top surfaces of concrete v-drains smooth with a steel trowel to falls	m2	296
10	10 x 10mm In horizontal expansion joints including raking out expansion joint filler as necessary	m	431
<u>Fabric reinforcement</u>			
11	Type 395 fabric reinforcement in aprons and v-drains	m2	296
<u>Waterproofing</u>			
<u>Joint sealants, etc.</u>			
12	10 x 10mm In vertical expansion joints including raking out expansion joint filler as necessary	m	431
Carried to Final Summary			R
Section No. 12			
Bill No. 1			
External Works			

**Storm Damage Repairs to
Ndabeni Primary School**

<u>FINAL SUMMARY</u>				
Section No		Page No		Amount
1	Preliminaries and General	29		
2	Block A - Administrative Block	51		
3	Block B - Four Classrooms Block	73		
4	Block C - Four Classrooms Block	95		
5	Block D - Four Classrooms Block	117		
6	Block E - Four Classrooms Block	141		
7	Block F - Kitchen and Food Store	153		
8	Block T1a - Female Teacher and Student Ablution Block	173		
9	Block T1b - Male Teacher and Student Ablution Block	193		
10	Block T2a - Boy's Toilets	209		
11	Block T2b - Girl's Toilets	225		
12	External Works	227		
	Sub Total		R	
	<u>ADD: COMMUNITY LIAISON OFFICER</u>			
	Allow the sum of R 45 000.00 (Forty Five Thousand Rand) per month for Community Liaison Officer for a period of 6 Months	Item		45,000.00
	Sub - Total		R	
	Add Contingency: Sum of R 200 000.00 (Two Hundred Thousand Rand) - Amount to be utilised upon written approval by Independent Development Trust and to be deducted in whole or in part if not required	Item		200,000.00
	Sub-Total		R	
	Value Added Tax (15%)		R	
	Carried to Form of Tender		R	