

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 1</u></b></p> <p><b><u>PRELIMINARIES</u></b></p> <p><b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b></p> <p>The JBCC Edition 4.1 Code 2101 March 2005 Principal Building Agreement (July 2007 edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractor's are referred to the abovementioned documents for the full intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract, such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p> <p><b><u>PREAMBLES FOR TRADES</u></b></p> <p>The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained</p>			
	<b>Carried Forward</b>		R	
	Bill No. 1 PRELIMINARIES			

			R
<b>Brought Forward</b>			
Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles			
The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles			
<b><u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u></b>			
<u>Definitions</u>			
1 Definitions and Interpretation (Clause 1.0)	Item		
<u>Objective and preparations</u>			
2 Offer, Acceptance and Performance obligations (Clause 2.0)	Item		
3 Documents (Clause 3.0)	Item		
4 Design Responsibility (Clause 4.0)	Item		
5 Employer's Agents (Clause 5.0)	Item		
6 Contractor's site Representative (Clause 6.0)	Item		
7 Compliance with Laws and Regulations (Clause 7.0)	Item		
8 Without limiting the generality of the provisions of Clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993 and Part C4.2 (Annexure C) of this tender document. 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 specifications	Item		
Inclusive of appointment of IAI to monitor asbestos removal & disposal			
<b>Carried Forward</b>			R
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<b>Brought Forward</b>		R
9	Works Risk (Clause 8.0)	Item
10	Indemnities (Clause 9.0)	Item
11	General Insurances (Clause 10.0)	Item
12	Special Insurances (Clause 11)	Item
13	Effecting Insurances (Clause 12)	Item
14	Assignment (Clause 13)	Item
15	Security (Clause 14)	Item
<u>Execution</u>		
16	Preparation For and Execution of The Works (Clause 15)	Item
17	Site and Access (Clause 16)	Item
18	Contract Instructions (Clause 17)	Item
19	Setting Out Of The Works (Clause 18) The contractor shall notify the Principal Agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc exist in order that the necessary arrangements may be made for the rectification of any such encroachments.	Item
20	Temporary works and plant (Clause 19) The contractor shall provide, maintain and remove on completion all perimeter scaffolding required by the contractor for the due and proper fulfilment of the works	Item
21	Nominated Subcontractors (Clause 20)	Item
22	Selected Subcontractors (Clause 21)	Item
23	Employer's Direct Contractors (Clause 22)	Item
24	Contractor's Domestic Subcontractors (Clause 23)	Item
<u>Completion</u>		
25	Practical Completion (Clause 24)	Item
<b>Carried Forward</b>		R
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<b>Brought Forward</b>		R
26	Works Completion (Clause 25)	Item
27	Final Completion (Clause 26)	Item
28	Latent Defects Liability Period (Clause 27)	Item
29	Sectional Completion (Clause 28)	Item
30	Revision of Date for Practical Completion (Clause 29) The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor the adjustment of contract value (Clause 29.3)	Item
31	Penalty for Late or Non-Completion (Clause 30)	Item
	<u>Payment</u>	
32	Interim Payment to the Contractor (Clause 31) The inclusion of materials and goods stored off site in the amount authorized for payment in terms of Clause 31.4 shall be at the sole discretion of the Principal Agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable.	Item
33	Adjustment to the Contract Value (Clause 32) All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor.	Item
34	Recovery of Expense and Loss (Clause 33)	Item
35	Final Account and Final Payment (Clause 34)	Item
36	Payment to Other Parties (Clause 35)	Item
	<u>Termination</u>	
37	Termination by Employer - Contractor's Default (Clause 36)	Item
38	Termination by Employer - Loss and Damage (Clause 37)	Item
	<b>Carried Forward</b>	R
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<b>Brought Forward</b>		R
39	Termination by Contractor - Employer's Default (Clause 38)	Item
40	Termination - Cessation of the Works (Clause 39)	Item
<u>Dispute</u>		
41	Dispute Settlement (Clause 40)	Item
<u>Contract Agreement</u>		
42	Post tender provisions (Clause 41)The required post tender information shall be inserted in the post tender provisions after consultation with the contractor	Item
43	Contractual agreement (Clause 42)The required information of the contracting parties and the amount of the accepted contract sum shall be inserted in the contractual agreement for signature of the agreement by the contracting parties	Item
<b><u>SECTION B: PRELIMINARIES</u></b>		
<u>Definitions and Interpretation</u>		
44	Definitions and Interpretation (Clause 1.0)	Item
<u>Documents</u>		
45	Checking of Documents (Clause 2.1)	Item
46	Provisional Bills of Quantities (Clause 2.2)	Item
47	Availability of Construction Documentation (Clause 2.3)	Item
<u>Previous work and adjoining properties</u>		
48	Previous Work - Dimensional Accuracy (Clause 3.1)	Item
49	Previous Work - Defects (Clause 3.2)	Item
50	Inspection of Adjoining Properties (Clause 3.3)	Item
<u>Samples, Shop Drawings and Manufacturer's Instructions</u>		
51	Samples of Materials (Clause 4.1)	Item
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<b>Brought Forward</b>		R
52	Workmanship Samples (Clause 4.2)	Item
53	Shop Drawings (Clause 4.3)	Item
54	Compliance with Manufacturer's Instructions (Clause 4.4)	Item
	<u>Deposits and Fees</u>	
55	Deposits and Fees (Clause 5.1)	Item
	<u>Temporary Services</u>	
56	Water (Clause 6.1)	Item
57	Electricity (Clause 6.2)	Item
58	Telecommunication Equipment (Clause 6.3)	Item
59	Ablution Facilities (Clause 6.4)	Item
	<u>Prime cost Amounts</u>	
60	Responsibility for Prime Cost Amounts (Clause 7.1)	Item
	<u>Special Attendance on N/S Subcontractors</u>	
61	Special Attendance (Clause 8.1)	Item
	<b><u>GENERAL</u></b>	
62	Protection of the Works (Clause 9.1)	Item
63	Protection / Isolation of Existing / Sectionally Occupied Works (Clause 9.2)	Item
64	Security of the Works (Clause 9.3)	Item
65	Notice Before Covering Work (Clause 9.4)	Item
66	Disturbance (Clause 9.5)	Item
67	Environmental Disturbance (Clause 9.6)	Item
68	Works Cleaning and Clearing (Clause 9.7)	Item
	<b>Carried Forward</b>	R
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	<b>Brought Forward</b>		<b>R</b>
69	Vermin (Clause 9.8)	Item	
70	Overhand Work (Clause 9.9)	Item	
	<b><u>SECTION C: SPECIFIC PRELIMINARIES</u></b>		
	<u>Contract Price Adjustment Provisions</u>		
71	Bidders are advised that this Contract shall be a Fixed Price Contract and shall not be subject to the Contract Price Adjustment Provisions (CPAP) or any other escalation formula and therefore bidder are to allow for any increases (except any variations in the rate of Value Added Tax) in cost of labour, materials, transport, etc.	Item	
	<u>Site Instructions</u>		
72	Site Instructions issued on site are to be recorded in triplicate in a site instruction book which is maintained on site by the contractor. F:..... V:..... T:.....	Item	
	<u>Warranties for material and workmanship</u>		
73	Where warranties for materials and /or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the Principal Agent on certified completion of contract. The warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor. F:..... V:..... T:.....	Item	
	<b>Carried Forward</b>		<b>R</b>
	Bill No. 1 PRELIMINARIES		

	<b>Brought Forward</b>		R	
	<u>Co-operation of contractor for cost management</u>			
74	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 final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/ reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors F:..... V:..... T:.....	Item		
	<u>Confidentiality</u>			
75	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 No information regarding this project shall be published or disclosed without the prior written consent of the employer F:..... V:..... T:.....	Item		
	<u>Testing of windows for watertightness</u>			
76	Each window shall be tested for watertightness with water sprayed on by means of a 20mm hosepipe using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure in the hosepipe shall be boosted by means of compressed air or other approved means F:..... V:..... T:.....	Item		
77	Tender Data Schedule F:..... V:..... T:.....	Item		
78	General Conditions of Contract F:..... V:..... T:.....	Item		
	<b>Carried Forward</b>		R	
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	<b>Brought Forward</b>		<b>R</b>
79	Special Conditions of Contract F:..... V:..... T:.....	Item	
80	Contract Data F:..... V:..... T:.....	Item	
81	Schedule of Variables F:..... V:..... T:.....	Item	
<b><u>SUMMARY OF CATEGORIES</u></b>			
	Category: Fixed F:.....		
	Category: Value V:.....		
	Category: Time T:.....		
<b>Carried to Summary</b>			
			<b>R</b>

Bill No. 1  
PRELIMINARIES

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 2</u></b></p> <p><b><u>MOBILE UNITS (PROVISIONAL)</u></b></p> <p><b><u>PREAMBLES</u></b></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>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 project manager</p> <p>The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing. All occupants of the existing school must be removed into the decanted site before the works commence.</p> <p><u>Transportation of units</u></p> <p>Transportation of the units and any other associated materials to provide a fully functional structure will be at the cost of the contractor factored into the cost per unit. Contractor to factor in the consequences of inflation into costs.</p> <p><u>Delivery Period</u></p> <p>Delivery period of the units needs to accommodate the removal of the occupants of the existing school to the decanting site. Contractors programme needs to reflect the sequence of the removal of occupants and furniture into the mobile units.</p>			
	<b>Carried Forward</b>		R	
	Bill No. 2 DECANTING (PROVISIONAL)			

<b>Brought Forward</b>				R
<u>Positioning and Site Requirements</u>				
a) The site is required to be level with a slope not exceeding 200mm over the full length of each building b)The positioning of the units will be as per Architectural Drawing				
<u>Access to Site</u>				
Contractor is to ensure that delivery trucks/trailers for the units have access to the site for delivery.				
<u>Warranty</u>				
Contractor to ensure all necessary warranties and insurances for the units are in place and handed over to the Project Manager upon evacuation of the units. Warranties are to also include all equipment and appliances.				
<u>Re-usable Materials</u>				
Contractor to ensure materials earmarked to be re-used for the new structures once decanting site has been evacuated to be kept safe and in good condition.				
<u>Destablishment.</u>				
Contractor to de-establish the whole decanting site upon completion and arrange for the transportation of the units to a destination selected by the Client.				
<b><u>GENERAL</u></b>				
<u>Protection from damage</u>				
1 Contractor to ensure that all units are rigged into place off the ground to eliminate any storm water damage		Item		
<u>Temporary barriers, screens, etc</u>				
2 Temporary Hoarding constructed of temporary tarpaulins, dust and weatherproof screens and barriers that may be necessary for protection of the decanting site to Architects approval, including making good upon removal	m		165	
<b>Carried Forward</b>				R
Bill No. 2 DECANTING (PROVISIONAL)				

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<b>Brought Forward</b>			R
3	Extra over galvanised steel Pedestrian gate, including lock, etc	No	1
4	Extra over galvanised steel vehicle gate, including lock, etc	No	1
<b><u>PREFABRICATED/MOBILE UNITS</u></b>			
NB: Pricing of units to include the rental of the required units for a period of 8 months, pricing is to also include transportation, fabrication (if/where necessary, installation/jointing where required and rigging of units into place) Units to accommodate all internal Electrical Installations including DB Boards, Light Fittings, Switches, Plugs, Air-conditioning Units where required. Plumbing requirements including fittings for kitchen and ablutions.			
<u>Double Wide Admin Office</u>			
5	Provide Prefabricated Admin Unit approximate size 14 000 x 7 000m with roof overhang of 1.5m with vaulted roof and ceiling system. Unit to include kitchen and ablutions internally. Note: All windows to include burglar bars and doors to include security gates.	No	1
6	Single bowl stainless kitchen bow including accessories and appropriately sized cupboard with shelves.	No	1
7	Provide external ramp, steps with handrail and landing leading into the unit at the main entrance.	No	1
<u>Single Wide Classroom Unit</u>			
8	Provide Prefabricated Classroom Unit approximate size 7 000 x 7 000m with vaulted roof and ceiling system complete with 2.42 x 1.14m Chalkboard (Position to be confirmed by architect) Note: All windows to include burglar bars and doors to include security gates.	No	8
9	Supply and Install 2.42 x 1.14m white board. (Position to be confirmed by Architect on site)	No	8
10	Provide steps with handrail leading into the unit at the entrance.	No	8
<b>Carried Forward</b>			R
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	<b>Brought Forward</b>			R
	<u>Single Male &amp; Female Mobile Non - Flush Ablution Unit</u>			
11	Provide Single Male & Female Mobile Non - Flush Ablution Units including weekly service, damages cost, delivery and collection costs	No	14	
	<u>Single Disabled Mobile Non - Flush Ablution Unit</u>			
12	Provide Single Disabled Male & Female Mobile Non - Flush Ablution Units including weekly service, damages cost, delivery and collection costs	No	1	
13	Provide external ramp with handrail and landing leading into the unit	No	1	
	<u>Fire protection</u>			
14	Supply and Install Fire Extinguishers - 4.5kg DCP	No	1	
	<u>Maintenance Cost</u>			
15	Contractor will be responsible for the maintenance of the units for the duration of the contract		Item	
	<u>De-establishment Costs</u>			
16	Rehabilitation: Provision for the de-establishment of the decanting site, making good of the area where the units were positioned including removing concrete bases and refilling holes.		Item	
	<b>Carried to Summary</b>			R
	Bill No. 2 DECANTING (PROVISIONAL)			

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 3</u></b></p> <p><b><u>ALTERATIONS AND DEMOLITIONS (PROVISIONAL)</u></b></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></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>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>Taking Out and Removal of Asbestos</u></p> <p>Taking out and removing asbestos roof, gutters, underlay, fibreglass, downpipes, etc.. must be in strict accordance with health and occupational safety regulations and a specialist firm must be contracted to dispose of the material</p> <p><u>General</u></p> <p>Descriptions of taking out shall be deemed to include carting away from site to a dump ground to be found by the contractor</p>			
	<b>Carried Forward</b>		R	
	Bill No. 3 ALTERATIONS AND DEMOLITIONS (PROVISIONAL)			

<p style="text-align: center;"><b>Brought Forward</b></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>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 refixing 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>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>R</p>
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Bill No. 3 ALTERATIONS AND DEMOLITIONS (PROVISIONAL)</p>	<p>R</p>

	<b>Brought Forward</b>			R
	The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing			
	<b><u>TEMPORARY BARRICADES, SCREENS, ETC</u></b>			
	<u>Temporary barricades, screens, roofs, etc including removal</u>			
1	Temporary Hoarding constructed of temporary tarpaulins, dust and weatherproof screens and barriers that may be necessary for protection of the decanting site to Architects approval, including making good upon removal	m	200	
2	Extra over galvanised steel Pedestrian gate, including lock, etc	No	1	
3	Extra over galvanised steel vehicle gate, including lock, etc	No	1	
	<b><u>REMOVAL OF EXISTING WORK</u></b>			
	<u>Breaking up and removing unreinforced concrete</u>			
4	1 000 x 300 x 200mm high Door Step	No	2	
5	150mm Thick surface beds (walk-ways)	m2	60	
	<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>			
6	Columns	m3	10	
	<u>Breaking down and removing brickwork etc (new work elsewhere measured) including carting away</u>			
7	Half brick walls in beamfilling	m2	120	
	<u>Breaking down and removing blockwork etc (new work elsewhere measured) including carting away</u>			
8	190mm block walls in beamfilling	m2	20	
	<b>Carried Forward</b>			R
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<b>Brought Forward</b>			R
	<u>Taking out and removing doors, windows, etc, including thresholds, sills, etc and building up openings in brick walls, including making good cement plaster on all side(s) (making good paintwork elsewhere) (new work elsewhere measured) including carting away</u>		
9	Timber single door and frame not exceeding 2,5m <sup>2</sup>	No	30
10	Timber double door and frame exceeding 2,5m <sup>2</sup> and not exceeding 5m <sup>2</sup>	No	3
11	Timber single door and steel frame not exceeding 2,5m <sup>2</sup>	No	1
12	Timber double door and steel frame exceeding 2,5m <sup>2</sup> and not exceeding 5m <sup>2</sup>	No	5
13	Single steel gate and frame not exceeding 2,5m <sup>2</sup>	No	24
14	Double steel gate and frame exceeding 2,5m <sup>2</sup> and not exceeding 5m <sup>2</sup>	No	1
15	Glazed steel window not exceeding 2,5m <sup>2</sup>	No	20
16	Glazed steel window exceeding 2,5m <sup>2</sup> and not exceeding 5m <sup>2</sup>	No	10
17	Roller shutter door 2 000 x 1 200mm high	No	1
	<u>Taking down and removing asbestos roofs, floors, panelling, ceilings, partitions, etc completely (new work elsewhere measured) including carting away</u>		
18	Asbestos roof sheeting including underlay, etc, complete and provision of certificate of safe disposal for Asbestos	m2	160
19	Asbestos rainwater gutters and fixings including ends, outlets, etc	m	11
20	Asbestos rainwater downpipes and fixings including shoes, eaves offsets, etc	m	10
21	Asbestos fascia boards and fixings	m	20
22	Asbestos barge boards and fixings	m	20
	<b>Carried Forward</b>		R
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<b>Brought Forward</b>			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc completely (new work elsewhere measured) including carting away</u>			
23	Corrugated sheet steel roof covering, valley linings, ridge flashings, timber trusses, beams, battens, timber purlins, insulation, etc	m2	1,525
24	Aluminium rainwater gutters and fixings including ends, outlets, etc	m	365
25	Aluminium rainwater downpipes and fixings including shoes, eaves offsets, etc	m	138
26	Steel rainwater gutters and fixings including ends, outlets, etc	m	10
27	Steel rainwater downpipes and fixings including shoes, eaves offsets, etc	m	10
28	Plastic rainwater gutters and fixings including ends, outlets, etc	m	10
29	Plastic rainwater downpipes and fixings including shoes, eaves offsets, etc	m	10
30	Fibre cement fascia boards and fixings	m	330
31	Fibre cement barge boards and fixings	m	275
32	Timber roof trusses with a pitch not exceeding 25 degrees including timber for bracing, purlins, wall plates, gangboards, etc.	m2	1,520
33	Steel roof trusses with a pitch not exceeding 25 degrees including timber for bracing, purlins, wall plates, etc.	m2	145
34	Gypsum plasterboard ceilings, including timber bandering, cornices, etc	m2	1,250
35	Damaged Air bricks	No	113
<u>Taking out and removing sundry joinery work, fittings, etc</u>			
36	Gypsum plasterboard cornices	m	805
<b>Carried Forward</b>			R
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<b>Brought Forward</b>				R
37	Timber skirtings	m	805	
	<u>Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u>			
38	Vinyl tile floor covering	m2	200	
	<u>Taking out and removing steel window ironmongery</u>			
39	Handles, catches and sliding stays, etc.	No	20	
	<u>Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc</u>			
40	Tiles to floors	m2	150	
41	Tiles to walls	m2	20	
42	Tile skirtings	m	50	
	<u>Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
43	Plastic wash hand basin	No	1	
44	Plastic WC pan with cistern and flush pipe	No	1	
45	Plastic wall hung urinal with flush valve and flush pipe	No	1	
	<u>Taking out/off and removing glass and mirrors</u>			
46	Broken glass from steel windows, including cleaning out rebates and preparing for new glass	m2	20	
	<b><u>PREPARATORY WORK TO EXISTING SURFACES</u></b>			
	<u>Making good existing screed</u>			
47	Making good defects in existing screeded floors to match existing	m2	250	
	<b>Carried Forward</b>			R
	Bill No. 3 ALTERATIONS AND DEMOLITIONS (PROVISIONAL)			

	<b>Brought Forward</b>			R
	<u>Building up brickwork, etc where beamfilling was removed</u>			
48	Half brick walls in beamfilling	m2	120	
	<u>Building up blockwork, etc where beamfilling was removed</u>			
49	190mm block walls in beamfilling	m2	20	
	<b><u>MAKING GOOD OF FINISHES ETC</u></b>			
	<u>Making good gypsum plasterboard ceilings and timber brandering</u>			
50	Ceilings in patches	m2	20	
	<u>Making good 2.5 x 300 x 300mm semi-flexible vinyl floor tiles</u>			
51	Floors in patches	m2	30	
	<u>Making good internal cement plaster (Paint elsewhere)</u>			
52	Walls in patches	m2	20	
	<b><u>STRUCTURAL REPAIRS</u></b>			
	<u>Repair cracks to walls instruction:</u>			
	1. Clean dirty. Greasy surfaces, chalked paint coating with sugar soap solution or water soluble degreaser			
	2. All loose and flaking paint to be removed to sound substrate using a sharp paint scraper and firm hand pressure			
	3. Scrub open cracks and damp areas with HTH (chlorine and water 1-4(20% solution) or sodium hypochlorite)			
	4. Fine hair cracks (-0.3mm) to be sanded lightly			
	5. Medium cracks (+0.3mm to 2mm) rack out with a scraper blade and fill with polyurea in accordance to manufacture's instruction			
	<b>Carried Forward</b>			R
	Bill No. 3 ALTERATIONS AND DEMOLITIONS (PROVISIONAL)			

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<b>Brought Forward</b>			R
	6. Large cracks (+2mm ) to be opened out with carborundum disk in an inverted V-shaped to 3mm or larger		
	7. Fill large cracks and cracks occurring at joints with polyurea crack filler using an industrial pump gun		
	8. Apply one coat patch (alkali resistant primer) and 3 coats emulsion paint (Paint measured elsewhere)		
	<u>Repair cracks on walls by exposing cracks, filling crack as per engineers specification, make good plasters and prepare for paint (paint measured elsewhere)</u>		
53	On block walls	m	20
54	On brick walls	m	120
	<u>Repair cracks on floors by exposing cracks, filling crack as per engineers specification, make good screed and prepare for tiles (tiles measured elsewhere)</u>		
55	On Floors	m	20
	<b><u>DOOR STEPS</u></b>		
56	Concrete door step to single door entrance	No	2
	<b><u>AIR BRICKS</u></b>		
57	229 x 155mm Terra-cotta vermin proof air brick with gauze backing and building into opening in brickwork in cement mortar	No	113
	<b><u>SUNDRIES</u></b>		
	<u>Pressure clean all facebrick walls. Wash down thoroughly with sugarsoap and remove all stains, paint marks, etc. repoint and re-mortar joints as required on existing</u>		
58	External Face brick walls	m2	805
	<b>Carried to Summary</b>		
	Bill No. 3 ALTERATIONS AND DEMOLITIONS (PROVISIONAL)		R

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Item No		Quantity	Rate	Amount
	<b><u>BILL NO 4</u></b>			
	<b><u>ROOF COVERINGS, CLADDINGS, ETC (PROVISIONAL)</u></b>			
	<b><u>PREAMBLES</u></b>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	Note The Contractor is to submit a certificate signed by the merchant, stating that the galvanised roof covering supplied complies with the required thickness specified			
	_____			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	_____			
	<u>0,5mm Galvanized metal IBR profile roof sheeting not exceeding 25 degrees, on insulation on 76x50mm SA Pine purlins @ 100mm C/Cs on timber Rafters to engineers detail and specifications, including ridge capping or hip flashing</u>			
1	Roof coverings with pitch not exceeding 25 degrees	m2	1,685	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<u>Aluminium foil based insulation</u>			
2	4mm Approved (fire retardant grade) white polyethylene coated single sided aluminium foil insulation (code 2906), laid taut over steel/timber purlins complying with SANS 428, and fixed concurrently with roof covering including white PVC coated straining wires at 383mm centres, all in accordance with the manufacturer's recommendations.	m2	1,685	
	<b>Carried to Summary</b>			R
	Bill No. 4 ROOF COVERING (PROVISIONAL)			

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 5</u></b></p> <p><b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>FITTINGS GENERAL</u></b></p> <p>Where fittings have been measured as complete units i.e. the components of the units have not been separately measured, the descriptions of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc</p> <p>Unless specifically stated, or where no finish is given, finishes to all joinery fittings shall be three coats polyurethane clear semi-gloss varnish to all exposed surfaces</p> <p><b><u>PARTICLE BOARD</u></b></p> <p>Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type</p> <p><b><u>DECORATIVE LAMINATE FINISH</u></b></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p>			
	<b>Carried Forward</b>		R	
	<p>Bill No. 5                      CARPENTRY AND JOINERY (PROVISIONAL)</p>			

<p style="text-align: center;"><b>Brought Forward</b></p> <p><b><u>CONSTRUCTION</u></b></p> <p>Construction of fittings shall be generally of wood, screwed and glued with pelleted heads where visible. All materials used must be of the best quality fabricate approved by the Representative / Agent and all the units to be finished neat and true prior to installation and finishing</p> <p><b><u>DOORS TO FITTINGS</u></b></p> <p>Sizes of doors and drawers are approximate. Correct sizes must be taken from the fittings concerned</p> <p><b><u>PREFABRICATED METAL CONNECTOR PLATE TIMBER ROOF TRUSSES</u></b></p> <p>a. All the roof trusses to be designed and constructed with softwood structural timber to include for live loads, wind loads and to take profiled metal roof covering, purlins and fibre cement or gypsum plasterboard ceilings with brandering. Each roof truss shall have all its members accurately cut and close butted together and rigidly fixed by CSIR approved patented galvanised metal spike connectors, fixed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions.</p> <p>b. Unless otherwise described all rafter feet are to extend approximately 850mm beyond the length of the tie beam, with end splayed cut.</p> <p>c. The design, manufacture and transportation of the roof trusses, bracing, etc. shall be under the control of a registered Engineer and it shall be required from the manufacturer of the trusses to lodge a written guarantee that his construction has been designed by a qualified Structural Engineer and that he is in possession of a capability certificate issued by the Institute for Timber Construction and approved by the Representative/Agent</p> <p>d. All timber shall be stress-graded pine or glued laminated timber for construction or engineering purposes in accordance with the specifications of SABS Specification No 563 or as defined in SABS Specification No.1245. Stress-grades shall be marked as specified, vix V4, M4, V6, M6, etc.</p>	<p>R</p>
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Bill No. 5 CARPENTRY AND JOINERY (PROVISIONAL)</p>	<p>R</p>

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	<b>Brought Forward</b>			R
	<p>e. Erection must be carried out as described in "The Erection and Bracing of Timber Roof Trusses" published by the Truss Plate Association of South Africa Ltd. and the National Timber Research Institute, CSIR.</p> <p>f. Descriptions of roof trusses shall be deemed to include for design, manufacture, supply, hoisting and fixing in position, trimming ends, notching, ALL TEMPORARY AND PERMANENT BRACING, fixing blocks, etc.</p> <p>g. All timber must be Grade 7 as per table 3 of SABS 0163-2001</p> <p>h. All timber screws bolts plate connection or any other type of connector to be in accordance with Annexure 'A' of SABS 0163-2001</p> <p>i. All workshop drawings must be provided to the engineer for approval before fabrication</p> <p>j. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the architect drawings and/or the site before design or fabrication commences</p> <p>k. All timber to be treated in accordance with SABS 05</p> <p>l. All exposed timber to be treated with carbolineum</p> <p>m. All roof timber to be treated with fire retardant paint</p> <p><u>Complete prefabricated timber roof trusses not exceeding 25 degree pitch including all necessary hoisting labour, timber for bracing, purlins, wall plates, gangboards, certificate and guarantee for design and erection to be supplied by truss manufacturer. All exposed timber sections as well as sections in contact with wet trades to be creosote treated before fixing into position.</u></p>			
1	Block G Ablutions approximately 250m <sup>2</sup> measured flat	m2	250	
2	Block I Ablutions approximately 130m <sup>2</sup> measured flat	m2	130	
3	Block J Ablutions approximately 385m <sup>2</sup> measured flat	m2	385	
	<b>Carried Forward</b>			R
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<b>Brought Forward</b>			R
4	Block K Ablutions approximately 185m <sup>2</sup> measured flat	m2	185
5	Block L Ablutions approximately 290m <sup>2</sup> measured flat	m2	290
6	Grade M Ablutions approximately 95m <sup>2</sup> measured flat	m2	95
7	Grade N Ablutions approximately 95m <sup>2</sup> measured flat	m2	95
8	Block Q approximately 50m <sup>2</sup> measured flat	m2	50
9	Grade S Ablutions approximately 45m <sup>2</sup> measured flat	m2	45
<b><u>SUNDRY ROOF TIMBERS.</u></b>			
10	300 x 50mm SAP laminated beam bolted to mild steel	m	195
<b><u>EAVES, VERGES, ETC</u></b>			
<u>Premier 2FAS42 pre-painted fascias and barge boards</u>			
11	<u>15 x 225mm Fascias and barge boards, including galvanised steel H -profile jointing strips</u>	m	605
<b><u>SKIRTING</u></b>			
<u>19mm x 76mm meranti skirting board screwed to wall plug with 19mm meranti quarter round nailed to meranti board. All nails and screws to be recessed and filled with wood filler</u>			
12	19 x 76mm skirting including 19mm diameter quadrant bead nailed	m	805
<b><u>DOORS ETC</u></b>			
<u>Solid core hardwood panel door with commercial veneer hung to steel door frame</u>			
13	813 x 2032 x 44mm thick single door (classrooms and admin block) as door schedule	No	30
<u>Solid core hardwood panel door with commercial veneer and rebated meeting stiles hung to steel door frame</u>			
14	1700 x 2032 x 44mm thick double door (as door schedule)	No	1
<b>Carried Forward</b>			R
Bill No. 5 CARPENTRY AND JOINERY (PROVISIONAL)			



Item No		Quantity	Rate	Amount
	<b><u>BILL NO 6</u></b>			
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>			
	<b><u>PREAMBLES</u></b>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted", the bolts are measured elsewhere			
	<u>Ceilings</u>			
	Unless otherwise described ceilings shall be deemed to be horizontal			
	<b><u>NAILED UP CEILINGS</u></b>			
	<u>4mm Nutec fibre cement ceiling or similar nailed to 38x38mm SA Pine grade 6 bandering</u>			
1	Ceilings including 38 x 38mm sawn softwood bandering	m2	1,250	
2	Extra over ceiling for 900 x 900mm hinged trap door of wrought softwood rebated framing with one sawn softwood cross brander covered with ceiling board and fitted flush in opening, including necessary trimmers all around.	No	30	
	<u>Gypsum plasterboard cornices</u>			
3	75mm Coved cornices, plugged	m	805	
	<b>Carried to Summary</b>			R
	Bill No. 6 CEILING, PARTITIONS AND ACCESS FLOORING (PRO			

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Item No		Quantity	Rate	Amount
	<b><u>BILL NO 7</u></b>			
	<b><u>FLOOR COVERINGS, WALL LININGS, ETC (PROVISIONAL)</u></b>			
	<u>Fixing</u>			
	Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc			
	<b><u>FLOOR COVERINGS</u></b>			
	<u>2.5mm thick x 300mm x 300mm semi-flexible vinyl tiles manufactured in accordance with SANS 581 and laid in approved acrylic adhesive which has been spread using a trowel fitted with an A2 notched blade at a rate of between 5.5m<sup>2</sup> and 6.5m<sup>2</sup> per litre on a previously prepared Class 1 sub floor in accordance with SANS 10070, using approved self leveller when required, including all cutting and waste.</u>			
1	On floors	m2	1,250	
	<b><u>POLISH, SEALERS, ETC</u></b>			
	<u>The newly laid floor must, after 72 hours, be stripped using approved stripper, scrubbed using a diluted solution of approved rinse and then sealed with 3 coats of approved silk matt Sealer.</u>			
2	On vinyl floor tiles	m2	1,250	
	<b><u>SUNDRIES</u></b>			
3	Aluminium straight edge M-trim square edge 8mm x 10mm or similar approved	m	10	
	<b>Carried to Summary</b>			
	Bill No. 7			
	FLOOR COVERINGS, WALL LININGS, ETC (PROVISIO			
			R	

Item No		Quantity	Rate	Amount
	<b><u>BILL NO 8</u></b>			
	<b><u>IRONMONGERY (PROVISIONAL)</u></b>			
	<b><u>PREAMBLES</u></b>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>FINISHES TO IRONMONGERY</u></b>			
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list : CH Chromium plated SC      Satin chromium plated PT      Epoxy coated PB      Polished brass PL Polished and lacquered BS      Satin bronze and lacquered AS      Anodised silver AB Anodised bronze AG      Anodised gold ABL Anodised black GE      Grey enamelled SE Silver enamelled SD      Sanded			
	-----			
	<b><u>HINGES, BOLTS, ETC</u></b>			
	<u>Samples to be approved by Architect</u>			
1	102 x 76mm butt hinge with double steel washer complete with 8(No) stainless steel nails	No	93	
	<b><u>CATCHES, CABIN HOOKS, ETC</u></b>			
2	100mm Cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged	No	31	
	<b><u>LOCKS</u></b>			
	<u>Samples to be approved by Architect</u>			
3	Solid blesbok 460/313 3 lever lockset	No	31	
4	Mortice water-closet indicator lock set (Allow a PC Amount of R120.00 each)	No	10	
	<b>Carried Forward</b>			R
	Bill No. 8 IRONMONGERY (PROVISIONAL)			

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<b>Brought Forward</b>			R
5	Pad lock (PC Amount of R60.00 each)	No	24
<b><u>HANDLES</u></b>			
6	Pull handle 330 x 305 x 25mm ctc	No	2
<b><u>DOOR CLOSERS</u></b>			
7	TS2000VP DCL with P/Arm bracket sr closer	No	2
<b><u>PUSH PLATES AND KICKING PLATES</u></b>			
8	0,9mm x 160mm high s/steel kick plate	No	10
9	Stainless steel push plate 160 x 160 x 1,2mm	No	10
10	Dorma dust proof strike ss. Ref DPS-SS-032	No	5
<b><u>LETTERS, NAMEPLATES, ETC (Provisional)</u></b>			
<u>2mm thick approved anodised aluminium plates complete with all necessary accessories:</u>			
11	Plate size 152 x 152mm (various symbols)	No	24
<u>White perspex fixed to door with suitable screws with blue writing (50mm)</u>			
12	75mm high x 300mm wide white perspex fixed to door with suitable screws with blue writing (50mm) to denote room name	No	10
<u>School Name Signage: 6mm galvanised mild steel cutout letters sprayed and mounted on pins according to Architect's drawings</u>			
13	School name description		Item
<b><u>BATHROOM FITTINGS</u></b>			
<u>Samples to be approved by the Architect</u>			
14	303 x 156 x 141mm high Surface mounted stainless steel vandal and theft proof toilet roll holder	No	10
15	300 x 270 x 520mm high, 34litre surface mounted stainless steel vandal and theft proof waste disposal bin	No	10
<b>Carried Forward</b>			R
Bill No. 8 IRONMONGERY (PROVISIONAL)			

<b>Brought Forward</b>		R
<b><u>PARAPLEGIC RAILS</u></b>		
<u>The following is stainless stail Grade 304 (18/10) paraplegic grab rails supplied complete with flanges, etc. and all accessories and installed in accordance with the manufacturers specifications:</u>		
16	Cisten back rail Ref. SR2 size. 750mm long x 206mm deep x 32mm thick plugged to walls	No      1
17	Dog leg side rail with 3 flanges Ref. DL3 size. 300mm x 300mm x 300mm deep plugged to walls	No      1
18	Stainless steel side flip up rail size. 750mm long x 206mm deep x 32mm thick	No      1
<b><u>SUNDRIES</u></b>		
19	38mm diameter rubber door stops with 50mm long brass screws plugged into concrete or masonry	No      31
<b><u>REPAIRS TO IRONMONGERY</u></b>		
<u>Service existing ironmongery including removing and replacing if necessary and removing all old paint, polishing metal finish and leaving windows in perfect working order (Provisional)</u>		
20	Handles, catches and sliding stays, etc.	No      20
<b>Carried to Summary</b>		R
Bill No. 8 IRONMONGERY (PROVISIONAL)		

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 9</u></b></p> <p><b><u>STRUCTURAL STEELWORK (PROVISIONAL)</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>DESCRIPTIONS</u></b></p> <p>Descriptions of bolts shall be deemed to include nuts and washers Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete Metalwork described as "holed for bolts" shall be deemed to include the bolts unless otherwise described</p> <p><b><u>GALVANISED STEEL TRUSSES</u></b></p> <p><u>Complete prefabricated steel roof trusses not exceeding 25 degree pitch including all necessary hoisting labour, bracing, purlins, wall plates, certificate and guarantee for design and erection to be supplied by truss manufacturer.</u></p>			
1	Block H approximately 140m <sup>2</sup> measured flat	m2	140	
	<b>Carried to Summary</b>			R
	Bill No. 9 STRUCTURAL STEELWORK (PROVISIONAL)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO 10</u></b>			
	<b><u>METALWORK (PROVISIONAL)</u></b>			
	<b><u>PREAMBLES</u></b>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>DESCRIPTIONS</u></b>			
	Descriptions of bolts shall be deemed to include nuts and washers Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete Metalwork described as "holed for bolts" shall be deemed to include the bolts unless otherwise described			
	<b><u>WELDED SCREENS, GATES, ETC</u></b>			
	<u>The following in framed and welded galvanised mild steel security grille gates including fixing in position complete</u>			
1	Gate frame consisting of 50 x 50 x 2.5mm rectangular tubing sections metre 45 degrees at corners before welded secured against wall with 50 x 50 x 5mm mild steel brackets welded to frame and bolted to wall with 10mm (M10) rawl bolts including gate consisting of 50 x 50 x 2.5mm square tubing sections metre 45 degrees at corners before welded with 2 horizontal sections with vertical styles out of 12 x 12mm mild steel solid square bars at equal centres of 100mm complete with 2 x pairs 20mm diameter bullet hinges per gate. Size 813 x 2066mm high overall	No	24	
	<b><u>GALVANISED PRESSED STEEL DOOR FRAMES</u></b>			
	<u>1.2mm thick standard mild steel Double rebated frames suitable for one brick walls complete with brass butt hinges per door leaf</u>			
2	Frame for door size, 813 x 2032mm high	No	25	
	<b>Carried Forward</b>			R
	Bill No. 10 METALWORK (PROVISIONAL)			

<b>Brought Forward</b>			R
3	Frame for door size, 938 x 2032mm high	No	3
4	Frame for door size 1200 x 813mm high	No	2
<b><u>GALVANISED STEEL WINDOWS, DOORS, ETC</u></b>			
<u>Galvanised standard steel residential windows open out, SABS approved, coupled with standard section coupling bar with burglar bars solid bars to line up with vertical and horizontal sections of windows, standard brass fittings to Architect's drawings and schedule</u>			
5	Window size 1 100 x 900mm high	No	2
6	Window size 950 x 1400mm high	No	2
7	Window size 950 x 950mm high	No	2
8	Window size 1400 x 900mm high	No	2
9	Window size 1200 x 900mm high	No	2
10	Window size 1600 x 900mm high	No	1
11	Window size 900 x 500mm high	No	1
12	Window size 970 x 1200mm high	No	1
13	Window size 1500 x 600mm high	No	1
14	Window size 900 x 900mm high	No	1
15	Window size 1300 x 960mm high	No	1
<b><u>STEEL POSTS ETC</u></b>			
16	Galvanised mild steel square tubes approx 2 400mm high for over hang support complete with Fixing accessories to roof timbers and concrete walkway etc. As per engineers detail	No	50
<b>Carried to Summary</b>			R
Bill No. 10 METALWORK (PROVISIONAL)			

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Item No		Quantity	Rate	Amount
	<b><u>BILL NO 11</u></b>			
	<b><u>PLASTERING (PROVISIONAL)</u></b>			
	<b><u>PREAMBLES</u></b>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	Plaster described as "on brickwork" shall be deemed to include for small portions of plaster on concrete flush with brickwork and prices should include for all the necessary preparatory work			
	<b><u>SCREEDS ETC TO EXISTING WORK ON</u></b>			
	<u>1:3 Cement screeds wood floated on concrete</u>			
1	25mm Thick on floors and landings	m2	60	
	<u>5mm self-levelling to screeds including priming the floors, in strict accordance to manufactures instruction</u>			
2	On floors	m2	1,250	
	<b><u>INTERNAL PLASTER TO EXISTING WORK ON</u></b>			
	<u>Cement plaster on brickwork</u>			
3	On walls	m2	2,174	
4	On narrow widths.	m	109	
	<b><u>EXTERNAL PLASTER TO EXISTING WORK ON</u></b>			
	<u>Cement plaster on brickwork</u>			
5	On walls	m2	832	
6	On narrow widths.	m	42	
	<b>Carried to Summary</b>			R
	Bill No. 11 PLASTERING (PROVISIONAL)			

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Item No		Quantity	Rate	Amount
	<b><u>BILL NO 12</u></b>			
	<b><u>TILING (PROVISIONAL)</u></b>			
	<b><u>PREAMBLES</u></b>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>DESCRIPTIONS</u></b>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 4:1 cement plaster backing and descriptions of tiling on concrete floors, etc shall be deemed to include 3:1 cement mortar bedding			
	<b><u>WALL TILING</u></b>			
	<u>300 x 300 x 5mm Porcelain tiles (allow a PC Amount of R 250.00/m<sup>2</sup> excluding VAT) fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted grout</u>			
1	On walls in isolated panels, splashbacks, etc not exceeding 1m <sup>2</sup>	m2	10	
	<u>Ceramic floor tiles (PC sum R150.00/M2 for supply and delivery, excluding labour, waste and VAT) fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted jointing compound</u>			
2	To floors with joints continuous in both directions	m2	5	
3	Skirting 85mm high	m	5	
4	10mm aluminium straight edge trim	m	21	
	<b>Carried to Summary</b>			R
	Bill No. 12 TILING (PROVISIONAL)			

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 13</u></b></p> <p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>DESCRIPTIONS AND PREAMBLES</u></b></p> <p>Reference shall be made to other trades for preambles and full descriptions of items not fully described in this trade which shall apply equally to work in this trade, unless otherwise described</p> <p><b><u>RATES</u></b></p> <p>Rates for all piping, fittings, etc shall include for all fixing in position of fittings, cutting of chases in brickwork or concrete, excavation of trenches, backfilling, etc unless otherwise described</p> <p><b><u>DIAMETER OF PIPES</u></b></p> <p>Diameters stated for pipes, traps, valves, etc are internal diameters, except uPVC, polyethylene, stainless steel and copper pipes for which external diameters are stated</p> <p><b><u>REDUCING FITTINGS</u></b></p> <p>Where fittings have reducing ends or branches they are described as "reducing" In the case of pipes with diameters not exceeding 60mm, only the largest end or branch is given. Should the contractor wish to use other fittings and bushes or reducers, he may do so on the understanding that no claim in this regard will be entertained In the case of pipes with diameters exceeding 60mm, all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p>			
	<b>Carried Forward</b>		R	
	<p>Bill No. 13                      PLUMBING AND DRAINAGE (PROVISIONAL)</p>			

<b>Brought Forward</b>			R
<b><u>uPVC PIPES AND FITTINGS</u></b>			
Sewer and drainage pipes and fittings shall be according to SABS 791, jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be according to SABS 967 and solvent jointed Cold water supply pressure pipes and fittings shall be according to SABS 966 and jointed by means of the "Lyng" type jointing system Pipes shall be fixed and jointed according to SABS 0112			
<b><u>RAINWATER DISPOSAL</u></b>			
<u>Pre-Painted Seamless Aluminium Ogee Gutters, Rainwater Pipes And Accessories In Long Lengths</u>			
1	100 x 75mm Industrial ogee eaves gutter fixed to fibre cement fascia.	m	395
2	Extra over gutter for stopped end	No	40
3	Extra over gutter for angle	No	40
4	Extra over gutter for outlet for 100mm pipe including galvanised wire balloon grating	No	46
5	75 mm Diameter galvanized sheet iron seamless rainwater downpipe fixed to water storage tank complete with all necessary accessories	m	138
<u>Standard sanitary fittings</u>			
6	Standard size Atlas plastic VIP 200 pedestal (WC suite) with close coupled 90 degrees outlet open rim fit for VIP toilets complete with lid and single flap heavy duty plastic seat. Set to be fitted as per manufacturer's instructions.	No	1
7	Atlas plastic Paraplegic WC set with semi-close coupled 90degrees outlet open rim washdown pan fit for VIP toilets complete with lid, fitments,seat and cover plate. Set to be fitted as per manufacturer's instructions.	No	1
8	Atlas plastic Wall mounted wash hand basin with 2 tap holes with built in soap holder, to be fitted with all necessary plumbing accessories per manufacturer's and architects instructions.	No	1
<b>Carried Forward</b>			R
Bill No. 13 PLUMBING AND DRAINAGE (PROVISIONAL)			



**ASBESTOS ERADICATION PROGRAMME  
THE DEVELOPMENT BANK OF SOUTHERN AFRICA (DBSA)  
SILANDA PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO 14</u></b>			
	<b><u>GLAZING (PROVISIONAL)</u></b>			
	<b><u>PREAMBLES</u></b>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<b><u>GLAZING TO STEEL WITH PUTTY</u></b>			
	<u>6.5mm safety glass fixed with glazing putty</u>			
1	Panes exceeding 0,5m <sup>2</sup> and not exceeding 2m <sup>2</sup>	m2	20	
	<u>4mm frosted glass fixed with glazing putty</u>			
2	Panes exceeding 0,1m <sup>2</sup> and not exceeding 0,5m <sup>2</sup>	m2	2	
	<b><u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u></b>			
	<u>6mm 'GG' quality polished silvered float glass copper backed mirrors with polished edges holed for and fixed with round rose chromium plated mirror screws with rubber buffers to plugs in brickwork or concrete:</u>			
3	Mirror 450 x 600mm high with four screws.	No	5	
	<b>Carried to Summary</b>			R
	Bill No. 14 GLAZING (PROVISIONAL)			

Item No		Quantity	Rate	Amount
	<b><u>BILL NO 15</u></b>			
	<b><u>PAINTWORK (PROVISIONAL)</u></b>			
	<b><u>PREAMBLES</u></b>			
	The contractor is referred to the Model Preambles for Trades (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	Descriptions of paintwork shall be deemed to include for all cutting in			
	<b><u>PAINT SPECIFICATION</u></b>			
	All materials for paintwork for which South African Bureau of Standards specifications have been published shall comply the requirements of such specifications and shall bear the standardisation mark of the South African Bureau of Standards on the container or packing. Materials for paintwork for which no SABS specifications have been published shall be of a brand and manufacture approved by the Director-General prior to its use			
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	<b><u>PAINTWORK, ETC TO EXISTING WORK ON</u></b>			
	<u>One coat alkali resistant plaster primer and two coats PVA acrylic emulsion washable paint on</u>			
1	Internal plastered walls.	m2	2,174	
2	External plastered walls	m2	832	
3	Narrow widths	m2	150	
	<b><u>ON FIBRE-CEMENT</u></b>			
	<b>Carried Forward</b>			R
	Bill No. 15 PAINTWORK (PROVISIONAL)			

<b>Brought Forward</b>			R
	<u>Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:</u>		
4	Ceilings and cornices, including priming metal cover strips and nailheads ("White" colour group)	m2	20
	<b><u>ON METAL SURFACES</u></b>		
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>		
5	On pressed steel door frames	m2	5
6	On windows with burglar bars	m2	5
7	On grille gates and screens (both sides measured on flat)	m2	5
	<b><u>ON WOOD SURFACES</u></b>		
	<u>One coat primer and two coats premium quality polyurethane enamel paint</u>		
8	On doors	m2	1
	<u>One coat carbolinium</u>		
9	On exposed timbers at eaves	m2	50
	<b><u>PAINTWORK, ETC TO NEW WORK ON</u></b>		
	<b><u>ON FIBRE-CEMENT</u></b>		
	<u>Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat, stop and apply two finishing coats of eggshell enamel on:</u>		
10	Ceilings and cornices, including priming metal cover strips and nailheads ("White" colour group)	m2	1,250
11	Fascias, bargeboards, etc.	m2	605
	<b><u>ON METAL SURFACES</u></b>		
	<b>Carried Forward</b>		R
	Bill No. 15 PAINTWORK (PROVISIONAL)		

**ASBESTOS ERADICATION PROGRAMME  
THE DEVELOPMENT BANK OF SOUTHERN AFRICA (DBSA)  
SILANDA PRIMARY SCHOOL**

<b>Brought Forward</b>			R
	<u>One coat alkaline resistant primer, one coat universal undercoat and two coats gloss enamel paint</u>		
12	On eaves gutters	m2	395
13	On rainwater downpipes	m2	138
	<u>Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint</u>		
14	On pressed steel door frames	m2	25
15	On windows with burglar bars	m2	30
16	On grille gates and screens (both sides measured on flat)	m2	100
	<b><u>ON WOOD SURFACES</u></b>		
	<u>One coat primer and two coats premium quality polyurethane enamel paint</u>		
17	On doors	m2	105
	<u>One coat carbolinium</u>		
18	On exposed timbers at eaves	m2	310
	<b>Carried to Summary</b>		
	Bill No. 15		R
	PAINTWORK (PROVISIONAL)		

**ASBESTOS ERADICATION PROGRAMME  
THE DEVELOPMENT BANK OF SOUTHERN AFRICA (DBSA)  
SILANDA PRIMARY SCHOOL**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO 16</u></b>			
	<b><u>PROVISIONAL SUMS</u></b>			
	<u>Electrical Installation</u>			
1	Allow the sum of R 3 617 202.31 (Three million six hundred and seventeen thousand two hundred and two rand thirty one cents), net, for the electrical installation, complete.	Item		3,617,202.31
2	Allow for profit	%		
3	Allow for attendance	%		
	<u>Community Liason Officer</u>			
4	Provide an amount of R 80 000.00 (Eighty Thousand Rand) nett for Community Liason Officer's Salary to be omitted in part or whole as instructed by Principal Agent (R10 000 per month)	Item		80,000.00
	<u>Decanting Civil Works</u>			
5	Allow the sum of R 200 000.00 (Two hundred thousand), net, for decanting civil works, complete.	Item		200,000.00
6	Allow for profit	%		
7	Allow for attendance	%		
	<u>Decanting Plumbing works</u>			
8	Allow the sum of R 120 000.00 (One hundred and twenty Thousand rand), net, for the electrical installation, complete.	Item		120,000.00
9	Allow for profit	%		
10	Allow for attendance	%		
	<b>Carried Forward</b>		R	
	Bill No. 16 PROVISIONAL SUMS			

**ASBESTOS ERADICATION PROGRAMME  
THE DEVELOPMENT BANK OF SOUTHERN AFRICA (DBSA)  
SILANDA PRIMARY SCHOOL**

	<b>Brought Forward</b>		R
	<u>Decanting Electrical Works</u>		
11	Allow the sum of R 250 000 (Two hundred and fifty thousand thousand Rand), net, for the electrical installation, complete.	Item	250,000.00
12	Allow for profit	%	
13	Allow for attendance	%	
	<b>Carried to Summary</b>		R

Bill No. 16  
PROVISIONAL SUMS

**ASBESTOS ERADICATION PROGRAMME  
THE DEVELOPMENT BANK OF SOUTHERN AFRICA (DBSA)  
SILANDA PRIMARY SCHOOL**

Bill No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	9	
2	DECANTING (PROVISIONAL)	13	
3	ALTERATIONS AND DEMOLITIONS (PROVISIONAL)	21	
4	ROOF COVERING (PROVISIONAL)	22	
5	CARPENTRY AND JOINERY (PROVISIONAL)	27	
6	CEILING, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)	28	
7	FLOOR COVERINGS, WALL LININGS, ETC (PROVISIONAL)	29	
8	IRONMONGERY (PROVISIONAL)	32	
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10	METALWORK (PROVISIONAL)	35	
11	PLASTERING (PROVISIONAL)	36	
12	TILING (PROVISIONAL)	37	
13	PLUMBING AND DRAINAGE (PROVISIONAL)	40	
14	GLAZING (PROVISIONAL)	41	
15	PAINTWORK (PROVISIONAL)	44	
16	PROVISIONAL SUMS	46	
	Sub Total		R
	CONTINGENCY AMOUNT		
	Add: 5% Contingency Amount for the unforeseen and the sum provided is under the sole control of the client and upon approval by the Client Representative and deducted in whole or in part.	%	
	Sub Total		R
	<b>Carried Forward</b>		R

