

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	SANS 1200A	<p><b><u>SECTION NO. 1</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>PRELIMINARY AND GENERAL</u></b></p>				
		<p><b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b></p> <p>The <b>JBCC</b> 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</p> <p>The <b>JBCC</b> Principal Building Agreement <b>contract data</b> form an integral part of this <b>agreement</b></p> <p>The <b>JBCC</b> General Preliminaries (Edition 6.2 - 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 <b>bills of quantities</b>, amended as hereinafter described</p> <p>The <b>contractor</b> is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause</p>				
		<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>			R	





1		<p><b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b></p> <p><b><u>Interpretation (A1-A7)</u></b></p> <p>Clause 1.0 - Definitions and interpretation</p> <p><b>Pricing of bills of quantities</b></p> <p>The <b>contractor</b> 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 <b>agreement</b>. Value Added Tax (VAT) is to be separately stated on the summary page of these <b>bills of quantities</b></p> <p>Items left unpriced will be deemed to be covered in prices against other items throughout these <b>bills of quantities</b> and no claim for any extras arising out of the <b>contractor's</b> omission to price any item will be entertained</p> <p>Prices for all <b>construction equipment</b>, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>				
---	--	--	--	--	--	--



		F:..... V:..... T:.....		Item			
2		Clause 2.0 - Law, regulations and notices					
		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 - <b>Documents</b>					
		F:..... V:..... T:.....		Item			
6		Clause 6.0 - <b>Employer's agents</b>					
		<b>Delegated authority</b>					
		The authority of the <b>principal agent</b> to issue <b>contract instructions</b> [17.1] and perform duties for specific aspects of the <b>works</b> is delegated to <b>agents</b> as follows [6.2]. This does not preclude the <b>principal agent</b> from issuing such <b>contract instructions</b> :					
		1. <u>Architect</u>					
		<b>Carried to Collection</b>					
		Section No. 1					
		Bill No. 1					
		Preliminaries					







		<p>3.2.4 Compliance with the <b>law</b>, regulations and bylaws [2.1]</p> <p>3.2.5 Provision and testing of samples of <b>materials and goods</b> and/or of finishes and assemblies of elements of the <b>works</b></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 <b>materials and goods</b></p> <p>3.2.9 Protection of the <b>works</b></p> <p>3.2.10 Making good physical loss and repairing damage to the <b>works</b> [23.2.2]</p> <p>3.2.11 Rectification of <b>defects</b> [21.2]</p> <p>3.2.12 A <b>list for practical completion</b> specifying outstanding or defective work to be rectified to achieve <b>practical completion</b>, a <b>list for completion</b> and a <b>list for final completion</b> specifying outstanding or defective work to be rectified to achieve <b>final completion</b></p> <p>3.2.13 Expenditure of <b>budgetary allowances, prime cost amounts</b> and <b>provisional sums</b></p>					
		<b>Carried to Collection</b>					
		Section No. 1					
		Bill No. 1					
		Preliminaries					







		<p>5.2.6 Removal or re-execution of work</p> <p>5.2.7 Removal or substitution of any <b>materials and goods</b></p> <p>5.2.8 Protection of the <b>works</b></p> <p>5.2.9 Making good physical loss and repairing damage to the <b>works</b> [23.2.2]</p> <p>5.2.10 Rectification of <b>defects</b> [21.2]</p> <p>5.2.11 A <b>list for practical completion</b> specifying outstanding or defective work to be rectified to achieve <b>practical completion</b>, a <b>list for completion</b> and a <b>list for final completion</b> specifying outstanding or defective work to be rectified to achieve <b>final completion</b></p> <p>5.2.12 Expenditure of <b>budgetary allowances, prime cost amounts</b> and <b>provisional sums</b></p> <p>6. <u>Wet services engineer</u></p> <p>6.1 Duties [6.2] :</p> <p>The wet services engineer is responsible for all aspects of wet services engineering design and quality inspection of the <b>works</b></p> <p>6.2 <b>Contract instructions</b> [6.2; 17.1] :</p>					
		<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>					

		<p>6.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the <b>agreement</b> other than in the <b>JBCC</b> Principal Building Agreement</p> <p>6.2.2 Alteration to design, standards or quantity of the <b>works</b> provided that such <b>contract instructions</b> shall not substantially change the scope of the <b>works</b></p> <p>6.2.3 Compliance with the <b>law</b>, regulations and bylaws [2.1]</p> <p>6.2.4 Provision and testing of samples of <b>materials and goods</b> and/or of finishes and assemblies of elements of the <b>works</b></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 <b>materials and goods</b></p> <p>6.2.8 Protection of the <b>works</b></p> <p>6.2.9 Making good physical loss and repairing damage to the <b>works</b> [23.2.2]</p> <p>6.2.10 Rectification of <b>defects</b> [21.2]</p>					
		<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>				R	







7		<p>Clause 7.0 - Design responsibility</p> <p>F:..... V:..... T:.....</p> <p><b><u>Insurances and securities (A8-A11)</u></b></p>		Item			
8		<p>Clause 8.0 - <b>Works</b> risk</p> <p>F:..... V:..... T:.....</p>		Item			
9		<p>Clause 9.0 - Indemnities</p> <p>F:..... V:..... T:.....</p>		Item			
10		<p>Clause 10.0 - Insurances</p> <p>F:..... V:..... T:.....</p>		Item			
<p><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>							R

11		<p>Clause 11.0 - <b>Securities</b></p> <p>Clause 11.5 Omit this clause in its entirety            Clause 11.5.1 Omit this clause in its entirety            Clause 11.5.2 Omit this clause in its entirety            Clause 11.6 Omit this clause in its entirety            Clause 11.10 Omit the words "on receipt of a <b>Guarantee for Payment</b> from the employer"</p> <p><b>Extension of waiver of lien</b></p> <p>The <b>contractor</b> shall ensure that a waiver of lien is included in all subcontracts and that the <b>works</b> executed on the <b>site</b> are kept free of all liens and other encumbrances at all times [11.10]</p> <p>F:..... V:.....            T:.....</p> <p><b><u>Execution (A12 - A17)</u></b></p> <p><b>Carried to Collection</b></p> <p>Section No. 1            Bill No. 1            Preliminaries</p>		Item		
----	--	--	--	------	--	--







17		<p>Clause 17.0 - <b>Contract instructions</b></p> <p><b>Site instructions</b></p> <p>Instructions issued on <b>site</b> are to be recorded in a site instruction book which is to be supplied and maintained on <b>site</b> by the <b>contractor</b></p> <p>F:..... V:..... T:.....</p> <p><b><u>Completion (A18 - A24)</u></b></p>		Item			
18		<p>Clause 18.0 - Interim completion</p> <p>F:..... V:..... T:.....</p>		Item			
19		<p>Clause 19.0 - <b>Practical completion</b></p> <p>F:..... V:..... T:.....</p>		Item			
20		<p>Clause 20.0 - Completion in <b>sections</b></p> <p>F:..... V:..... T:.....</p>		Item			
21		<p>Clause 21.0 - <b>Defects</b> liability period and <b>final completion</b></p> <p>F:..... V:..... T:.....</p>		Item			
		<b>Carried to Collection</b>			R		
		Section No. 1					
		Bill No. 1					
		Preliminaries					

22		Clause 22.0 - <b>Latent defects</b> liability period  F:..... V:..... T:.....		Item			
23		Clause 23.0 - Revision of the date for <b>practical completion</b>  <b>Substitution of materials and goods</b>  The removal or substitution of any <b>materials and goods</b> which do not conform to the specification or the <b>contract drawings</b> shall not constitute grounds for the extension of the <b>construction period</b> nor for the adjustment of the <b>contract value</b> [17.1.8, 23.1 & 2]  F:..... V:..... T:.....		Item			
24		Clause 24.0 - <b>Penalty</b> for late or non-completion  F:..... V:..... T:.....  <u><b>Payment (A25 - A27)</b></u>		Item			
<div>Carried to Collection</div> <div>Section No. 1 Bill No. 1 Preliminaries</div>							R

25		<p>Clause 25.0 - Payment</p> <p>Clause 25.10 Replace "fourteen (14)" with "thirty (30)"</p> <p><b>Materials and goods prematurely on site</b></p> <p><b>Materials and goods</b> brought onto the site prematurely shall not be authorised for payment [25.3.2]</p> <p><b>Materials and goods stored off site</b></p> <p><b>Materials and goods</b> stored off site shall not be authorised for payment [25.3.2]</p> <p><b>Fluctuations in costs</b></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 <b>contractor</b> [25.3.4]</p> <p><b>Prices submitted</b></p> <p>Where prices are submitted by the <b>contractor</b> or <b>subcontractor</b> during the progress of the <b>works</b> in respect of <b>contract instructions</b> or in regard to a claim under the terms of this <b>agreement</b> and notwithstanding the fact that such prices may be used in an interim <b>payment certificate</b>, there is to be no presumption of acceptance. Should the <b>principal agent</b> wish to accept any such prices prior to the issue of the <b>certificate of final completion</b>, it shall be in writing</p> <p>F:..... V:..... T:.....</p> <p><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>					
				Item			
						R	

26		<p>Clause 26.0 - Adjustment of the <b>contract value</b> and <b>final account</b></p> <p><b>Fluctuations in costs</b></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 <b>contractor</b> [26.9.5]</p> <p><b>Tenant installations/users requirements delayed</b></p> <p>There is a possibility that certain works related to tenant installations/users requirements may have to be delayed and may consequently not be executed prior to <b>practical completion</b></p> <p>Should the <b>contractor</b> be instructed to do so he shall execute this work under the conditions pertaining to this <b>agreement</b> on the basis that a separate amount for <b>preliminaries</b> appurtenant to this work (if applicable) is agreed to between the <b>contractor</b> and the <b>principal agent</b> 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 <b>practical completion</b> of the <b>works</b></p> <p>The <b>employer</b> reserves the right to omit such work without compensation to the <b>contractor</b> for loss of profit or any other loss which the <b>contractor</b> may suffer as a result of such omission</p> <p><b>Cost of claims</b></p> <p>All costs incurred by the <b>contractor</b> in</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>				
----	--	---	--	--	--	--

27		<p>the preparation of claims shall be borne by the <b>contractor</b>. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this <b>agreement</b> [30.6 &amp; 7] from making a determination on costs</p> <p><b>Claims from subcontractors</b></p> <p>The <b>contractor</b> shall review, assess and adjudicate any claims received by him from any <b>subcontractor</b> and thereafter submit same to the <b>principal agent</b> with a recommendation in order to assist the <b>principal agent</b> in adjudicating the claim [26.6]</p> <p>F:..... V:..... T:.....</p> <p>Clause 27.0 - Recovery of expense and/or loss</p> <p>F:..... V:..... T:.....</p>		Item		
28		<p><b><u>Suspension and termination (A28 - A29)</u></b></p> <p>Clause 28.0 - Suspension by the <b>contractor</b></p> <p>F:..... V:..... T:.....</p>		Item		
		<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>			R	

29		<p>Clause 29.0 - Termination</p> <p>F:..... V:..... T:.....</p> <p><b><u>Dispute resolution (A30)</u></b></p>		Item			
30		<p>Clause 30.0 - Dispute resolution</p> <p>F:..... V:..... T:.....</p>		Item			
31		<p><b>Agreement</b></p> <p>The required information of the <b>parties</b> and the amount of the <b>contract sum</b> shall be inserted in the <b>agreement</b> for signature of the <b>agreement</b> by the <b>parties</b></p> <p>F:..... V:..... T:.....</p>		Item			
32		<p><b>Contract data</b></p> <p><b>Tenderer's selection</b> Before submission of his tender the <b>contractor</b> is to complete the tenderer's selection in the <b>contract data</b></p> <p>F:..... V:..... T:.....</p>		Item			
<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>							R

		<b>SECTION B: GENERAL</b> <b><u>PRELIMINARIES</u></b>  <b><u>Definitions and interpretation (B1)</u></b>  Clause 1.1 - Definitions  F:..... V:..... T:.....					
33				Item			
34		Clause 1.2 - Interpretation  F:..... V:..... T:.....		Item			
		<b><u>Documents (B2)</u></b>  Clause 2.1 - Checking of documents  F:..... V:..... T:.....		Item			
35							
36		Clause 2.2 - Provisional <b>bills of quantities</b>  <b>Multiple procurement</b>  These <b>bills of quantities</b> 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 <b>budgetary allowances</b> and/or <b>provisional sums</b>  F:..... V:..... T:.....		Item			
		<b>Carried to Collection</b>  Section No. 1 Bill No. 1 Preliminaries			R		

37		<p>Clause 2.3 - Availability of <b>construction information</b></p> <p><b>Budgetary allowances and provisional sums</b></p> <p>The <b>budgetary allowances</b> and/or <b>provisional sums</b> allocated for subsequent trades included in this <b>agreement</b> will be separately procured, based on multiple procurement of <b>subcontractors</b> during the <b>construction period</b></p> <p>F:..... V:..... T:.....</p>					
38		<p>Clause 2.4 - Ordering of <b>materials and goods</b></p> <p>F:..... V:..... T:.....</p> <p><b>Previous work and adjoining properties (B3)</b></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 - <b>defects</b></p> <p>F:..... V:..... T:.....</p>		Item			
		<b>Carried to Collection</b>				R	
		Section No. 1					
		Bill No. 1					
		Preliminaries					

41	<p>Clause 3.3 - Inspection of adjoining properties</p> <p>F:..... V:..... T:.....</p> <p><b><u>The site (B4)</u></b></p>		Item			
42	<p>Clause 4.1- Handover of <b>site</b> in stages</p> <p>F:..... V:..... T:.....</p>		Item			
43	<p>Clause 4.2 - Enclosure of the <b>works</b></p> <p>F:..... V:..... T:.....</p>		Item			
44	<p>Clause 4.3 - Geotechnical and other investigations</p> <p>F:..... V:..... T:.....</p>		Item			
45	<p>Clause 4.4 - Encroachments</p> <p>F:..... V:..... T:.....</p>		Item			
46	<p>Clause 4.5 - Existing premises occupied</p> <p>F:..... V:..... T:.....</p>		Item			
<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>					R	

47	<p>Clause 4.6 - Services - known</p> <p>F:..... V:..... T:.....</p> <p><b><u>Management of contract (B5)</u></b></p>		Item			
48	<p>Clause 5.1 - Management of the works</p> <p>F:..... V:..... T:.....</p>		Item			
49	<p>Clause 5.2 - Progress meetings</p> <p>F:..... V:..... T:.....</p>		Item			
50	<p>Clause 5.3 - Technical meetings</p> <p>F:..... V:..... T:.....</p> <p><b><u>Samples, shop drawings and manufacturer's instructions (B6)</u></b></p>		Item			
51	<p>Clause 6.1 - Samples of materials</p> <p>F:..... V:..... T:.....</p>		Item			
52	<p>Clause 6.2 - Workmanship samples</p> <p>F:..... V:..... T:.....</p>		Item			
<p><b>Carried to Collection</b></p>					R	
<p>Section No. 1 Bill No. 1 Preliminaries</p>						

53	Clause 6.3 - Shop drawings  F:..... V:..... T:.....	Item		
54	Clause 6.4 - Compliance with manufacturer's instructions  F:..... V:..... T:.....	Item		
55	<b><u>Deposits and fees (B7)</u></b> Clause 7.1 - Deposits and fees  F:..... V:..... T:.....	Item		
56	<b><u>Temporary services (B8)</u></b> Clause 8.1 - Water  F:..... V:..... T:.....	Item		
57	Clause 8.2 - Electricity  F:..... V:..... T:.....	Item		
58	Clause 8.3 - Ablution and welfare facilities  F:..... V:..... T:.....	Item		
<b>Carried to Collection</b>			R	
Section No. 1 Bill No. 1 Preliminaries				

59		<p>Clause 8.4 - Communication facilities</p> <p>F:..... V:..... T:.....</p> <p><b><u>Prime cost amounts (B9)</u></b></p>		Item			
60		<p>Clause 9.1 - Responsibility for <b>prime cost amounts</b></p> <p>F:..... V:..... T:.....</p> <p><b><u>Attendance on subcontractors (B10)</u></b></p>		Item			
61		<p>Clause 10.1 - General attendance</p> <p>F:..... V:..... T:.....</p>		Item			
62		<p>Clause 10.2 - Special attendance</p> <p>F:..... V:..... T:.....</p> <p><b><u>General (B11)</u></b></p>		Item			
63		<p>Clause 11.1 - Protection of the <b>works</b></p> <p>F:..... V:..... T:.....</p>		Item			
64		<p>Clause 11.2 - Protection/isolation of existing <b>works</b> and <b>works</b> occupied in <b>sections</b></p> <p>F:..... V:..... T:.....</p> <p><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		Item			
						R	

65		<p>Clause 11.3 - Security of the <b>works</b></p> <p>F:..... V:..... T:.....</p>		Item			
66		<p>Clause 11.4 - Notice before covering work</p> <p>F:..... V:..... T:.....</p>		Item			
67		<p>Clause 11.5 - Disturbance</p> <p>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 <b>construction period</b> or <b>contract value</b> whatsoever</p> <p>F:..... V:..... T:.....</p>		Item			
<p><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>							R

68	<p>Clause 11.6 - Environmental disturbance</p> <p><b>Controlling all forms of pollution</b></p> <p>The <b>contractor</b> shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the <b>site</b> during the <b>construction period</b> due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc.</p> <p>F:..... V:..... T:.....</p>						
69	<p>Clause 11.7 - <b>Works</b> cleaning and clearing</p> <p>F:..... V:..... T:.....</p>		Item				
70	<p>Clause 11.8 - Vermin</p> <p>F:..... V:..... T:.....</p>		Item				
71	<p>Clause 11.9 - Overhand work</p> <p>F:..... V:..... T:.....</p>		Item				
72	<p>Clause 11.10 - Tenant installations</p> <p>F:..... V:..... T:.....</p>		Item				
<p><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>							R

73		<p>Clause 11.11 - Advertising</p> <p>F:..... V:.....  T:.....</p>		Item		
		<p><b>Carried to Collection</b></p> <p>Section No. 1  Bill No. 1  Preliminaries</p>			R	

74		<p><b><u>SECTION C: SPECIFIC PRELIMINARIES</u></b></p> <p>Site instructions</p> <p>Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor</p> <p>F:..... V:..... T:.....</p> <p><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		Item		
----	--	---	--	------	--	--











84		<p>Testing of windows for watertightness</p> <p>Each window shall be tested for watertightness with water sprayed on using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means</p> <p>F:..... V:..... T:.....</p>					
85		<p>Non-Cession of Monies</p> <p>The Contractor shall not cede or assign his right or claims to any monies due to or to become due under this Contract</p> <p>F:..... V:..... T:.....</p>		Item			
86		<p>Proprietary Branded Products</p> <p>The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instructions after construction with the manufacturer's authorised representative</p> <p>F:..... V:..... T:.....</p>		Item			
		<p><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>				R	

87		<p>Drawings on Site</p> <p>The Contractor shall maintain on Site at all times, a complete set of the latest revisions of the working drawings issued by the Architect, the Engineer, and the Electrical Consultant</p> <p>F:..... V:..... T:.....</p>		Item			
88		<p>Labour Record</p> <p>At the end of each week the contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day</p> <p>F:..... V:..... T:.....</p>		Item			
<p><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>							R

89		<p>Scaffolding</p> <p>No scaffolding is measured as these Bills of Quantities are based on the sixth edition of the Standard System for Measuring Building Work. However, the Tenderer is advised to study the drawings as scaffolding may be required in certain areas for use by himself and selected/nominated subcontractors and the contractor must establish or otherwise required by him or selected/nominated subcontractor including taking down and re-erecting as may be necessary and no claims whatsoever will be entertained</p> <p>F:..... V:..... T:.....</p>					
90		<p>Plant Record</p> <p>At the end of each week the contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works</p> <p>F:..... V:..... T:.....</p>		Item			
91		<p>Daywork</p> <p>Where in the opinion of the Principal Agent any extra work cannot properly be measured or valued, the Contractor will be allowed daywork prices therefore calculated upon the costs defined hereunder together</p>		Item			
		<b>Carried to Collection</b>				R	
		Section No. 1 Bill No. 1 Preliminaries					





92		<p>Unauthorised Persons/Workmen on Premises</p> <p>The Contractor shall at all times strictly exclude all unauthorized persons from the site and shall set up notice boards to that effect</p> <p>F:..... V:..... T:.....</p>		Item			
93		<p>Guarantees and Maintenance Instructions/Manuals</p> <p>The Contractor shall obtain and hand over to the Architect on Practical Completion, all relevant guarantees, any operating and maintenance manuals, data or instructions required by the Architect or provided by the Manufacturers, Suppliers, or Sub-contractors</p> <p>The Contractor shall ensure that all warranties and guarantees received are fully ceded to the Employer on Final Completion, failing which the release of the Construction Guarantee will be withheld until this is satisfactorily completed</p> <p>F:..... V:..... T:.....</p>		Item			
<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>							R

94		<p>Removal and Making Good of Temporary Works, etc. on Completion</p> <p>The Contractor shall remove all temporary works, roads, services and the like used for this contract and shall make good to the entire satisfaction of the Architect any damages resulting there from</p> <p>F:..... V:..... T:.....</p>					
95		<p>Indemnities</p> <p>Indemnities shall be sought by the Architect from all Contractors and Sub-contractors undertaking any design responsibility</p> <p>F:..... V:..... T:.....</p>		Item			
96		<p>Shop Drawings</p> <p>The term 'Shop Drawings' shall mean drawings, layout drawings, illustrations, schedules, performance charts, brochures, operating manuals, other data which are prepared by the Contractor or Sub-contractor, Manufacturer, Supplier or Distributor and which illustrate some portion of the work</p> <p>The Contractor shall ensure that all shop drawings required for the work in terms of this Contract, all selected/nominated Sub-contracts and/or Architect's instructions, are prepared and submitted timeously in accordance with the following</p>		Item			
		<p><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>			R		

		<p>procedure</p> <p>(a) Three prints of shop drawings of all fabricated work, working or setting out drawings, shop details and schedules shall be submitted to the Architect for approval. Such work shall not be carried out until such approval has been given</p> <p>(b) Shop drawings shall be submitted to the Architect for approval at least two weeks prior to the date on which such approval is required in order to comply with the Contract Programme</p> <p>(c) All submissions shall be prepared in accordance with the Contract Drawings and specifications and/or any Architect's instructions and any deviation shall be specifically highlighted in writing, with a detailed explanation of the reason for such deviation, together with any cost and/or time implication</p> <p>Delays in approval of shop drawings due to non-compliance with drawings, specifications and/or Architect's instructions shall not constitute grounds for any claims for delays</p> <p>F:..... V:..... T:.....</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>					
				Item			
						R	





100		<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. The Contractor shall submit details of his proposed loading, storage, plant, erection, etc., to the Architect for their approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the Engineer'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>					
101		<p>Environmental Management Plan</p> <p>The contractor shall take all necessary measures to comply with the Environmental Management Plan (EMP) and make adequate provision to accommodate the requirements of the EMP</p> <p>F:..... V:..... T:.....</p>		Item			
102		<p>Health and safety</p> <p>Without limiting the generality of the provisions of clause 2.0, the <b>contractor's</b> 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</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		Item			
						R	













Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>ALTERATIONS</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Site inspection</u></b></p> <p>The Tenderer is advised to visit the site, inspect the existing premises and acquaint himself thoroughly with the nature of the work specified.</p> <p><b><u>Sizes and dimensions</u></b></p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>No allowance for overbreak has been made to any of the adjoining structures, walls, finishes, etc., where removals or pockets occur (the nett opening size, etc., has been made good in later items of this bill where such making good has not been included with the item) and the Contractor must allow in his prices for making good any overbreak that may occur.</p>			
	<p style="text-align: right;"><b>Carried to Collection</b></p>		R	
	<p>Section No. 2</p> <p>Bill No. 1</p> <p>Alterations</p>			

	<p><b><u>Materials</u></b></p> <p>Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor.</p> <p>Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p>None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p>Where certain materials or articles from demolitions or alterations are described as to be handed over by the Contractor to the Client, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Client for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p><b><u>General</u></b></p> <p>All new finishes are measured in the relevant trades for new work.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p>All alteration works described hereunder shall imply the use of an approved screed or plaster repairing compound and preparing existing surfaces to receive new.</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 1 Alterations</p>			
			R	

	Provide all necessary propping, etc., required to ensure the safety and stability of the structure during the contract period and remove at completion.				
	Provide all necessary additional barricades, screens, overhead protections, etc., required to ensure the safety of persons, property, etc., and remove at completion.				
	All alteration work is within an existing facility. The contractor shall take utmost care to minimise damage to existing completed works in the vicinity of the alteration works.				
	<b><u>TEMPORARY BARRIERS, SCREENS, ETC.</u></b>				
	<b><u>Temporary barriers, screens, etc., including removal</u></b>				
	1 Dust screen 2400mm high on gravel surface, formed of suitable timber framing with corrugated iron sheeting fixed to one side including corners, ends, etc.	m	32		
	2 Extra over ditto for single leaf door size overall 1100 x 3350mm high, including all necessary posts, framing, lock, etc.	No	1		
	<b><u>Taking out and removing doors, windows, etc. including thresholds, sills, etc. (building up openings elsewhere)</u></b>				
	3 Single door and steel frame unit size overall 813 x 2032mm high from one brick wall.	No	1		
	4 Door lockset including handles, escutcheons, cylinders, etc.	No	7		
	<b><u>Take down and remove roofs, floors, panelling, ceilings, partitions, etc:</u></b>				
	5 Corrugated iron roof sheeting from timber purlins.	m2	22		
	<b>Carried to Collection</b>			R	
Section No. 2 Bill No. 1 Alterations					

6	Timber roof trusses, size overall 10591 x 2680mm wide on plan 2700mm above ground level including bracing, bracing, gangboarding, purlins, wall ties, wall plates, etc.	No	1		
7	Suspended plasterboard ceilings including suspension grid, hangers, cornices, etc.	m2	22		
8	100 x 125mm Box gutters including hailguards.	m	24		
9	100mm Downpipes.	m	4		
<b><u>Take out/off and remove sundry metalwork:</u></b>					
10	Hand dryer including disconnecting complete.	No	3		
<b><u>Hack up/off and remove wall and floor tiles including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes:</u></b>					
11	Ceramic floor tiles.	m2	5		
12	Ceramic wall tiles.	m2	5		
<b><u>Take out and remove piping, sanitary fittings, etc. including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere):</u></b>					
13	Water closet with all necessary piping, stop cocks, valves, etc.	No	4		
14	Wash hand basin with all necessary piping, stop cocks, valves, taps, etc.	No	3		
15	Urinal with all necessary piping, stop cocks, valves, etc.	No	1		
16	Sink with all necessary piping, stop cocks, valves, taps, etc.	No	1		
<b>Carried to Collection</b>				R	
Section No. 2					
Bill No. 1					
Alterations					



	<p><b><u>Steel Windows:</u></b></p> <p>25 Repair and service existing steel windows, shopfronts and ironmongery including lubricating all components, tightening all loose screws, replacing missing fixtures, realigning opening sections, replacing damaged putty, etc. m2</p> <p><b><u>Timber Doors Hung on Steel Frames:</u></b></p> <p>26 Repair and service existing timber doors, steel frames and ironmongery including lubricating all components, tightening all loose screws, replacing missing fixtures, straightening out striking plates, etc. No</p>			
	<p>Section No. 2 Bill No. 1 Alterations</p>		R	

Carried to Collection

Section No. 2  Bill No. 1  Alterations  <u><b>COLLECTION</b></u>  Total Brought Forward from Page No.				
<p style="text-align: right;"><b>Carried Forward to Summary of Section No. 2</b></p> Section No. 2 Bill No. 1 Alterations				

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 2</u></b></p> <p><b><u>WATERPROOFING</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Waterproofing</u></b></p> <p>Waterproofing of roofs, basements, etc. shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.</p>			
	<p><b><u>PROTECTIVE PAINT</u></b></p> <p><b><u>Prepare existing surfaces and spray apply Aquagard 422, or equal approved, clear penetrating waterproof sealant in strict accordance with the manufacturers instructions on:</u></b></p>			
1	External facebrick walls and plaster surfaces.	m2	63	
	<p><b>Carried Forward to Summary of Section No. 2</b></p> <p>Section No. 2 Bill No. 2 Waterproofing</p>		R	

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 3</u></b></p> <p><b><u>ROOF COVERINGS, ETC.</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Straight cutting</u></b></p> <p>Description of all roof coverings are deemed to include for all straight cutting</p>			
	<p><b><u>PROFIED METAL SHEETING AND ACCESSORIES</u></b></p> <p><b><u>0,50mm Thick profiled light industrial zincalume sheet metal roof sheeting, sheets 700mm wide with one male and female rib at ends 42mm high and two centre ribs 42mm high, with chromadek finish on one side in single lengths fixed to timber purlins by means of concealed fixings with 42mm deep flutes and fully interlocking fixing clips, including heavy industrial gauge chromadek finished accessories, fixed in strict accordance with the manufacturer's instructions:</u></b></p>			
1	<p>Sheeting laid to roof not exceeding 50 degrees in single lengths (measured nett).</p> <p>m2</p>	28		
	<p><b>Carried Forward to Summary of Section No. 2</b></p> <p>Section No. 2 Bill No. 3 Roof Coverings, Etc.</p>		R	

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 4</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p>			
	<p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>PREFABRICATED TIMBER ROOF TRUSSES</u></b></p> <p><b><u>TIMBER</u></b></p> <p>Timber for trusses shall be of South African softwood and be at least of grade 4 and in accordance with SABS Specification No. 563 or 1460.</p> <p><b><u>BOLTS</u></b></p> <p>Bolts shall be to BS 4190 or SABS 135.</p> <p><b><u>SHEAR PLATES, TOOTH CONNECTORS AND SPLIT RINGS</u></b></p> <p>These shall be as specified in BBS 1759 : 1960 and installed in accordance with the CSIR Publication HOUT 468, 'the Design, Manufacture and Erection of Timber Trusses'.</p>			
	<p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 4 Carpentry and Joinery</p>		R	

	<p><b><u>NAILS</u></b></p> <p>These shall be in accordance with SABS 820 : 1974.</p> <p><b><u>METAL CONNECTOR PLATES</u></b></p> <p>Metal truss connector plates shall be fabricated out of galvanised steel of at least 1mm nominal thickness.</p> <p>The steel used shall have a minimum yield strength of 250MPa and a minimum ultimate tensile strength of 330MPa. The corrosion resistant coating shall be 0.275kg/m<sup>2</sup> commercial class hot dipped galvanising.</p> <p>The connector shall have been tested by the CSIR and be of a size capable of transmitting between the members of truss without exceeding the design values given in the CSIR report.</p> <p><b><u>FABRICATION</u></b></p> <p>Prefabricated trusses shall be fabricated in a factory by a truss fabricator who has been awarded a Certificate of Competence by the Institute of Timber Construction and is approved by the Architect.</p> <p>The trusses shall be constructed to ensure the correct profile, overhangs and cambers.</p> <p>Where metal connector plates are used all joints shall be close fitting butt joints made by precision pressing of the metal connector plates into each side of the joint.</p> <p><b><u>TRUSS DESIGN</u></b></p> <p>All trusses shall be designed by a registered Professional Engineer in accordance with the SABS Code of Practice for the Design of Timber Structures, SABS 0163 and the code of Practice for Procedures and Loadings SABS 0160.</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 4 Carpentry and Joinery</p>			
--	---	--	--	--

	<p><b><u>TRUSS SPACING AND PITCH</u></b></p> <p>The truss centres shall be less than or equal to that shown on the drawing.</p> <p>The truss pitch shall be as shown on the drawings issued herewith.</p> <p><b><u>DRAWINGS</u></b></p> <p>Polyester prints, of size A1, shall be provided to the Engineer for approval prior to fabrication.</p> <p>These drawings shall be signed by a Professional Engineer.</p> <p>The following minimum information shall be supplied:</p> <p>Details of the roof system with the positions of all trusses, girders and beams clearly indicated.</p> <p>Bracing details.</p> <p>All member sizes and grades.</p> <p>Connector plate sizes for all truss joints. Code numbers are deemed to be insufficient.</p> <p>All connection and hold down details between trusses, girders, beams and supports.</p> <p>The type of roof covering, ceiling and any other loads taken into account in the design.</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 4 Carpentry and Joinery</p>			
			R	

	<p><b><u>GENERAL</u></b></p> <p>The schedule of prices shall include all timber of the required grade and type shown on the designs, all cutting and waste, cutting to exact lengths and end angles necessary to manufacture the respective truss types, the supply of all connector plates, fabrication of the trusses checking the completed trusses for quality and loading up and transporting to the site of the works, off loading, storing and erecting on site.</p> <p><b><u>ERECTION</u></b></p> <p>The trusses shall be hoisted and erected strictly in accordance with the procedures and recommendations of the manual 'The Erection and Bracing of Timber Roof Trusses' published by the Institute for Timber Construction, the Council for Scientific and Industrial Research and as detailed by the designer.</p> <p>The complete structure shall be inspected by the truss designer to ensure that the manufacture of the trusses and erection details have been complied with.</p> <p><b><u>TRUSS LOADING</u></b></p> <p><b><u>Trusses shall be designed for:</u></b></p> <p>Roof cover - Sheet Metal Roof Sheeting.</p> <p>Ceilings - 9mm thick gypsum ceilings.</p> <p><b><u>TRUSSES</u></b></p> <p>All trusses etc. shall be to the approval of the Engineer and shall comply with the drawings issued with this Bills of Quantities.</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 4 Carpentry and Joinery</p>			
			R	

<b><u>Prefabricated trusses including girders, hips, valleys, runners, bracing, cleats, battens, etc. supplied and fixed complete:</u></b>					
1	Rectangular shaped roof size overall 10591 x 2680mm wide on plan including hoisting and fixing in position approximately 2700mm above ground level.	No	1		
<b><u>SUNDRY ROOF TIMBERS</u></b>					
2	38 x 114mm Wall plate bedded on and including 1:3 cement mortar bedding.	m	24		
3	38 x 76 Branderling.	m	45		
<b><u>FASCIAS AND BARGE BOARDS, ETC.</u></b>					
<b><u>Tempered fibre cement:</u></b>					
4	15 x 300mm Fascia board countersunk screwed to roof timbers (elsewhere) with one brass screw at maximum 750mm centres and butt jointed with and including standard fascia jointing plates at all joints.	m	24		
5	15 x 300mm Barge board countersunk screwed to roof timbers (elsewhere) with one brass screw at maximum 750mm centres and butt jointed with and including standard fascia jointing plates at all joints.	m	24		
<b><u>DOORS, WINDOWS, SASHES, ETC.</u></b>					
<b><u>Semi-solid flush doors:</u></b>					
<b><u>44mm Thick door with hardwood concealed edge strips finished on both sides with commercial veneer and hung on steel frames (frames elsewhere):</u></b>					
6	Door size overall 813 x 2032mm high.	No	1		
<b>Carried to Collection</b>				R	
Section No. 2 Bill No. 4 Carpentry and Joinery					

Section No. 2  Bill No. 4  Carpentry and Joinery  <b><u>COLLECTION</u></b>  Total Brought Forward from Page No.				
<p style="text-align: right;"><b>Carried Forward to Summary of Section No. 2</b></p> Section No. 2 Bill No. 4 Carpentry and Joinery				

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 5</u></b></p> <p><b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p>			
	<p><b><u>SUSPENDED CEILINGS</u></b></p> <p><b><u>9,5mm Thick "Gyproc Rhinoboard" gypsum plasterboard ceiling screwed to and including "Donn T37K" screw up ceiling grid with drywall screws spaced at 150mm centres including galvanised main tees at 1200mm centres and cross tees at 600mm centres, all suspended with 25 x 25mm galvanised angles at not exceeding 1200mm centres with 63mm wide strips of mesh scrim nailed over joints and the whole ceiling finished with and including "Gyproc Rhinolite" skim plaster trowelled to a smooth polished surface in strict accordance with the manufacturer's instructions:</u></b></p>			
1	<p>Ceiling suspended not exceeding 1m below concrete soffits.</p> <p><b><u>CORNICES, ETC.:</u></b></p>	m2	22	
	<p><b>Carried to Collection</b></p>		R	
	<p>Section No. 2 Bill No. 5 Ceilings, Partitions and Access Flooring</p>			

	<p><b><u>Powdercoated shadowline cornices:</u></b></p> <p>2    25mm GMS shadowline cornice secured to plastered wall and ceiling boarding including mitres, etc.    m    54</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 5 Ceilings, Partitions and Access Flooring</p>			<p style="text-align: right;">R</p>
--	---	--	--	-------------------------------------



Item No		Quantity	Rate	Amount	
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 6</u></b></p> <p><b><u>IRONMONGERY</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p>				
	<p><b><u>LOCKS</u></b></p> <p>1 "QS6055/1/AS/SS" Cylinder latch and dead bolt lock. No 7</p> <p>2 "QS6055/3/AS/SS" Cylinder roller ball lock. No 7</p> <p>3 "QS4406/QS4409" Thumbturn wc indicator bolt. No 4</p> <p>4 "QSR" Rebate conversion set. No 7</p> <p><b><u>HANDLES, ETC.</u></b></p> <p>5 "IW 1212/62/05" Set of two lever handles with 3mm aluminium backplates fixed back to back. No 7</p> <p>6 "Kiruna" stainless steel lever handle on rose. Pairs 1</p> <p>7 "QS4403" Stainless steel cylinder escutcheon. Pairs 7</p>				
	<p><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 6 Ironmongery</p>		R		

	<b><u>PUSH PLATES</u></b>				
8	"Union" 400 x 800 x 1,6mm thick SS5089-400W stainless steel kick plate.	No	4		
	<b><u>LETTERS, NAMEPLATES, ETC.</u></b>				
9	"Union" 152 x 152 x 3mm aluminium plate anodised silver with male pictogram Ref. No. AL5063E-06ASE10	No	1		
10	"Union" 152 x 152 x 3mm aluminium plate anodised silver with female pictogram Ref. No. AL5063E-06ASE11	No	1		
11	"Union" 152 x 152 x 3mm aluminium plate anodised silver with paraplegic pictogram Ref. No. AL5066E-06ASE14	No	1		
12	"Union" 152 x 152 x 3mm aluminium plate anodised silver with baby pictogram Ref. No. IW6004	No	1		
	<b><u>SUNDRIES</u></b>				
	<b><u>BATHROOM FITTINGS</u></b>				
13	"Kwakhle Hygiene" lockable and vandal resistant white powder coated metal roll holder Ref TR3W.	No	4		
14	"Kwakhle Hygiene" ABS construction lockable Roll Control Paper Dispenser with viewing window in colour white.	No	3		
15	"Kwakhle Hygiene" stainless steel 950ml vandal and theft resistant Soap Dispenser.	No	3		
16	"Costa Lambrianos CLX 2500 (Ref. 59)" stainless steel fully automatic hand dryer with infrared sensor plugged to wall.	No	3		
	<b>Carried to Collection</b>			R	
	Section No. 2				
	Bill No. 6				
	Ironmongery				



<div>Section No. 2</div> <div>Bill No. 6</div> <div>Ironmongery</div> <div><b><u>COLLECTION</u></b></div> <div>Total Brought Forward from Page No.</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>					
<div>Carried Forward to Summary of Section No. 2</div> <div>Section No. 2</div> <div>Bill No. 6</div> <div>Ironmongery</div>				R	

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 7</u></b></p> <p><b><u>METALWORK</u></b></p> <p><b><u>Tenderers are advised to study the "Model Preambles for Trades 1999" before accepting and signing for this Schedule.</u></b></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 an chemical anchors and bolts shall be deemed to include nuts, washers and mortises in brickwork or concrete Metalwork described as "holed for bolts(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><b><u>PRESSED STEEL DOOR FRAMES</u></b></p> <p><b><u>1,6mm Thick double rebated frames suitable for half brick walls complete with hoop iron anchors welded to frame, one adjustable stainless steel striking plate suitable for cylinder locks, three rubber shock absorbers in rebate and one pair of 100mm standard heavy duty brass butt hinges welded to frame:</u></b></p>			
1	<p>Frame for door size 813 x 2032mm high.</p> <p><b><u>STEEL BURGLAR PROOF SCREENS</u></b></p>	No	1	
	<p><b>Carried to Collection</b></p>		R	
	<p>Section No. 2 Bill No. 7 Metalwork</p>			

2	<p><b><u>Welded mild steel burglar proof screens formed of 40 x 40 x 2.5mm thick angle section framing with mitred and welded corners, the frame filled in with 40 x 6mm flat bars at 105mm centres, built into wall with heavy duty lugs including tack welding nuts and washers</u></b></p> <p>Burglar proofing screen size overall 790 x 2230mm high formed with 40 x 40 x 2,5mm equal leg angle framed frame infilled horizontally with and including 40 x 6mm flat bar at 105mm centres.</p> <p>No</p> <p>2</p> <p>Carried to Collection</p> <p>Section No. 2 Bill No. 7 Metalwork</p>			
---	---	--	--	--



Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 8</u></b></p> <p><b><u>PLASTERING</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p>			
	<p><b><u>INTERNAL PLASTER</u></b></p> <p><b><u>One coat cement plaster minimum 15mm thick (5:1) wood floated to receive tiles (elsewhere) including all labours on:</u></b></p>			
1	Brick vertical surfaces (part on concrete).	m2	7	
2	Narrow widths.	m2	2	
	<p><b><u>Two coats cement plaster comprising one coat cement plaster minimum 15mm thick (5:1) steel floated and one finishing coat rhinolite including all labours on:</u></b></p>			
3	Brick vertical surfaces (part on concrete).	m2	5	
4	Narrow widths.	m2	1	
	<p><b>Carried Forward to Summary of Section No. 2</b></p> <p>Section No. 2 Bill No. 8 Plastering</p>		R	

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 9</u></b></p> <p><b><u>TILING</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p>			
	<p><b><u>WALL TILING</u></b></p> <p><b><u>Allow a Prime Cost Amount of R170/m2 for ceramic tiles fixed with an approved adhesive to plaster (plaster elsewhere) and flush pointed with tinted jointing compound on:</u></b></p>			
1	Walls.	m2	12	
2	Narrow widths.	m2	2	
	<p><b><u>FLOOR TILING</u></b></p>			
	<p><b>Carried to Collection</b></p>		R	
	<p>Section No. 2</p> <p>Bill No. 9</p> <p>Tiling</p>			





Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 10</u></b></p> <p><b><u>PLUMBING AND DRAINAGE</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p>			
	<p><b><u>RAINWATER DISPOSAL</u></b></p> <p><b><u>0,6mm Thick seamless aluminium eaves gutters, downpipes and accessories with chromadek finish:</u></b></p>			
1	125 x 100mm Rectangular eaves gutter with and including 125mm wide hot dipped galvanised mild steel hailguard formed of "Mentex Ref. 118" or equal approved once bent and tack welded to top of gutter.	m	24	
2	Extra for stop end.	No	8	
3	Extra for outlet with nozzle for and jointed to 100 x 75mm rectangular downpipe.	No	4	
4	100 x 75mm Rainwater downpipe fixed to brick wall.	m	12	
5	Extra for shoe.	No	4	
	<p><b><u>SANITARY FITTINGS</u></b></p>			
	<p><b>Carried to Collection</b></p>		R	
	<p>Section No. 2</p> <p>Bill No. 10</p> <p>Plumbing and Drainage</p>			

<b><u>White vitreous china:</u></b>					
6	"Vaal Daisy Elite (Ref. 772403WH)" semi-close coupled wc suite comprising 90° outlet pan and matching 9 litre cistern including heavy duty white double flap seat, flushpipe, fixing in position and connecting complete in strict accordance with the manufacturer's instructions.	No	4		
7	"Vaal Lavatera (Ref. 705427WH)" wall mounted back inlet bowl urinal with and including "Cobra FJ8.102) flush valve, 38mm chromium plated domical grating and chromium plated back inlet spreader (Code : 8541Z000), fixed on and including two hanger brackets (Code : 8127Z000) and connected complete in strict accordance with the manufacturer's instructions.	No	1		
8	"Vaal Hibiscus (Ref. 702303AV)" one tap hole wash hand basin complete with chromium plated waste union, chain and stay, vulcanite plugs and fixing in position on and including two semi-concealed brackets including sealing with an approved waterproof sealer and connecting complete in strict accordance with the manufacturer's instructions (taps elsewhere).	No	3		
<b><u>TRAPS, ETC.</u></b>					
9	"Cobra (Ref. 340)" 40mm chromium plated brass bottle trap.	No	3		
10	38mm Combination sink rubber P or S trap.	No	2		
<b><u>TAPS, VALVES, ETC.</u></b>					
<b><u>Chromium plated:</u></b>					
11	"Cobra Watertech", or equal approved, chrome Junior Flushmaster exposed flush valve (Code: FJ6-000), installed in accordance with the manufacturer's recommendations.	No	1		
<b>Carried to Collection</b>				R	
Section No. 2					
Bill No. 10					
Plumbing and Drainage					

12	"Cobra Watertech", or equal approved, chrome Junior Flushmaster exposed water closet flush valve (Code: FJS2-100) with integral vacuum breaker, ballostop valve and BSP inlet, bent flush pipe and connectors, etc, installed in accordance with the manufacturer's recommendations	No	4		
13	"Cobra Carina 294CA" 15mm basin mixer including flexible connection hoses.	No	4		
14	"Cobra 832/350" 15mm angle valve.	No	9		
	<b><u>Sundries:</u></b>				
15	15mm Flexihose 450mm long.	No	8		
	<b><u>SOIL AND WASTE WATER DRAINAGE</u></b>				
	<b><u>uPVC pipes</u></b>				
16	50mm Pipes	m	9		
17	100mm Pipes	m	8		
	<b><u>Extra over uPVC pipes for fittings</u></b>				
18	50mm Access bend	No	9		
19	50mm Access junction	No	7		
20	100mm Access bend	No	7		
21	100mm Access junction	No	2		
22	100mm Access bend pan connector	No	4		
23	110mm "GI Two-way" vent valve	No	4		
24	100 x 50mm Access reducing junction	No	3		
25	100mm Stub stack.	No	1		
	<b>Carried to Collection</b>			R	
	Section No. 2				
	Bill No. 10				
	Plumbing and Drainage				





Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 11</u></b></p> <p><b><u>GLAZING</u></b></p> <p><b><u>Tenderers are advised to study the "Model Preambles for Trades" before pricing this schedule.</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p>			
	<p><b><u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u></b></p> <p><b><u>6mm Thick silvered float glass copper backed mirrors with 10mm bevelled and polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in porcelain tiled wall:</u></b></p>			
1	Mirror size 600 x 1000mm high.	No	1	
	<p><b>Carried Forward to Summary of Section No. 2</b></p> <p>Section No. 2 Bill No. 11 Glazing</p>		R	

Item No		Quantity	Rate	Amount	
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 12</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p>				
	<p><b><u>PAINTWORK TO NEW WORK</u></b></p> <p><b><u>PLASTER</u></b></p> <p><b><u>Prepare and apply one coat "Plascon" plaster primer and two coats "Plascon Double Velvet" paint on:</u></b></p>				
1	Internal plastered walls, columns, recessed bands, etc.	m2	6		
	<p><b><u>PLASTERBOARD</u></b></p> <p><b><u>Prepare and apply one coat "Plascon" primer and two coats "Plascon Professional Super Matt" paint on:</u></b></p>				
2	Ceilings and cornices.	m2	22		
	<p><b><u>METAL</u></b></p>				
	Carried to Collection			R	
	Section No. 2				
	Bill No. 12				
	Paintwork				

	<u>Prepare and apply one coat "Plascon Zinc Phosphate" primer and two coats "Plascon Velvagio" paint on:</u>				
	3 Frames and linings.	m2	7		
	<u>WOOD</u>				
	<u>Prepare and apply one coat "Plascon Woodcare Pre-treatment", one coat "Plascon Wood Primer" and two coats "Plascon Velvagio" paint on:</u>				
	4 General surfaces of doors.	m2	4		
	<u>PAINTWORK TO PREVIOUSLY PAINTED WORK</u>				
	<u>PLASTER</u>				
	<u>Clean down, prepare and apply one coat "Plascon" plaster primer and two coats "Plascon Double Velvet" paint on:</u>				
	5 Internal plastered walls, columns, recessed bands, etc.	m2	8		
	6 External plastered walls, columns, recessed bands, etc.	m2	63		
	<u>METAL</u>				
	<u>Clean down, prepare and apply one coat "Plascon Zinc Phosphate" primer and two coats "Plascon Velvagio" paint on:</u>				
	7 Frames and linings.	m2	11		
	8 Gates, grilles, etc. (both sides measured).	m2	16		
	<u>WOOD</u>				
Carried to Collection					R
Section No. 2					
Bill No. 12					
Paintwork					

9	<p><u>Clean down, prepare and apply one coat "Plascon Woodcare Pre-treatment", one coat "Plascon Wood Primer" and two coats "Plascon Velvagro" paint on:</u></p> <p>General surfaces of doors.</p> <p>m2</p> <p>21</p> <p>Carried to Collection</p> <p>Section No. 2 Bill No. 12 Paintwork</p>			<p>R</p>
---	--	--	--	----------

Section No. 2  Bill No. 12  Paintwork  <b><u>COLLECTION</u></b>  Total Brought Forward from Page No.				
		<b>Page No</b>		<b>Amount</b>
		97		
		98		
		99		
<div> <div>Carried Forward to Summary of Section No. 2</div> <div>R</div> </div>				
Section No. 2 Bill No. 12 Paintwork				





3	<p><b><u>Clean down and lay existing concrete and clay pavers from stockpiles, bedded on and including 20mm thick bed of river sand with 1:6 cement grout swept &amp; watered into joints between roadstones:</u></b></p> <p>Paving to roads, parking areas, pavements, etc. in patchwork and small quantities to falls <b>including any consequent cutting</b> (circular cutting elsewhere) and tying into existing paving.</p> <p>m2</p> <p>32</p> <p>Carried to Collection</p> <p>Section No. 3 Bill No. 1 External Works</p>			<p>R</p>
---	--	--	--	----------



Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3</u></b></p> <p><b><u>BILL NO. 2</u></b></p> <p><b><u>STORMWATER DRAINAGE, SOIL DRAINAGE &amp; WATER RETICULATION</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2017 Edition)</u></b></p> <p><b>TENDERERS ARE TO NOTE THAT ALL WORK IS TO BE EXECUTED IN EXISTING BUILDINGS IN A COMBINATION OF NEW WORK, WORK IN PATCHES AND WORK IN SMALL QUANTITIES.</b></p>			
	<p><b><u>STORMWATER RETICULATION</u></b></p> <p><b><u>Cleaning existing grid inlets, kerb inlets, pipes, etc.:</u></b></p> <p>1 Clean existing kerb inlets, manholes. etc. (various sizes) of all rubbish, debris, etc., including cleaning of the inlet &amp; outlet pipes for 20 metres in both directions, including removal of existing lids, relaying existing lids as per Engineer's instructions, making good &amp; carting away all rubbish, debris, etc. to a dumping site to be located by the contractor. No 1</p> <p><b><u>Manhole covers, gratings, frames, etc.:</u></b></p> <p>2 600 x 600mm Heavy duty polymer concrete cover slab including frame as supplied by "civil cultured polymer products cc", or equal approved. No 1</p> <p><b><u>SEWER RETICULATION</u></b></p>			
	<p><b>Carried to Collection</b></p> <p>Section No. 3 Bill No. 2 Stormwater Drainage, Soil Drainage and Water Retic</p>		R	

3	<p><b><u>Cleaning existing manholes, pipes, etc.:</u></b></p> <p>Allow for cleaning existing manholes. etc. (various sizes) of all rubbish, debris, etc., including cleaning of the inlet &amp; outlet pipes for 20 metres in both directions, including removal of existing lids, relaying existing lids as per Engineer's instructions, making good &amp; carting away all rubbish, debris, etc. to a dumping site to be located by the contractor.</p> <p>No</p> <p>1</p> <p><b>Carried to Collection</b></p> <p>Section No. 3 Bill No. 2 Stormwater Drainage, Soil Drainage and Water Retic</p>			
---	---	--	--	--



Bill No	<b><u>SECTION SUMMARY - External Works</u></b>	Page No		Amount	
1	External Works	104			
2	Stormwater Drainage, Soil Drainage and Water Reticulation	107			
	<p>Section No. 3</p> <p><b>Carried to Final Summary</b></p>		R		



<b><u>FIRE PROTECTION</u></b>					
4	Provide the amount of R15,000.00 (Fifteen Thousand Rand) for fire protection executed complete.	Item		15,000.00	
5	Profit on above item.		%		
6	Attendance on ditto.		%		
<b><u>STORE ROOM UNITS</u></b>					
7	Provide the amount of R10,000.00 (Ten Thousand Rand) for store room units installed complete.	Item		10,000.00	
8	Profit on above item.		%		
9	Attendance on ditto.		%		
<b><u>STAND ALONE ALARM SYSTEM</u></b>					
10	Provide the amount of R20,000.00 (Twenty Thousand Rand) for signage installed complete.	Item		20,000.00	
11	Profit on above item.		%		
12	Attendance on ditto.		%		
<b><u>CLO</u></b>					
13	Provide the amount of R50,000.00 (Fifty Thousand Rand) for a Community Liaison Officer.	Item		50,000.00	
14	Profit on above item.		%		
15	Attendance on ditto.		%		
<b>Carried to Collection</b>				R	
Section No. 4					
Bill No. 1					
Provisional Sums					





Section No	<u><b>FINAL SUMMARY</b></u>	Page No		Amount	
1	Preliminaries	61			
2	Builders Work	101			
3	External Works	108			
4	Provisional Sums	112			
	Sub-Total		R		
	Value Added Tax (15%)		R		
	Total		R		
	<b>Carried to Form of Tender</b>		R		