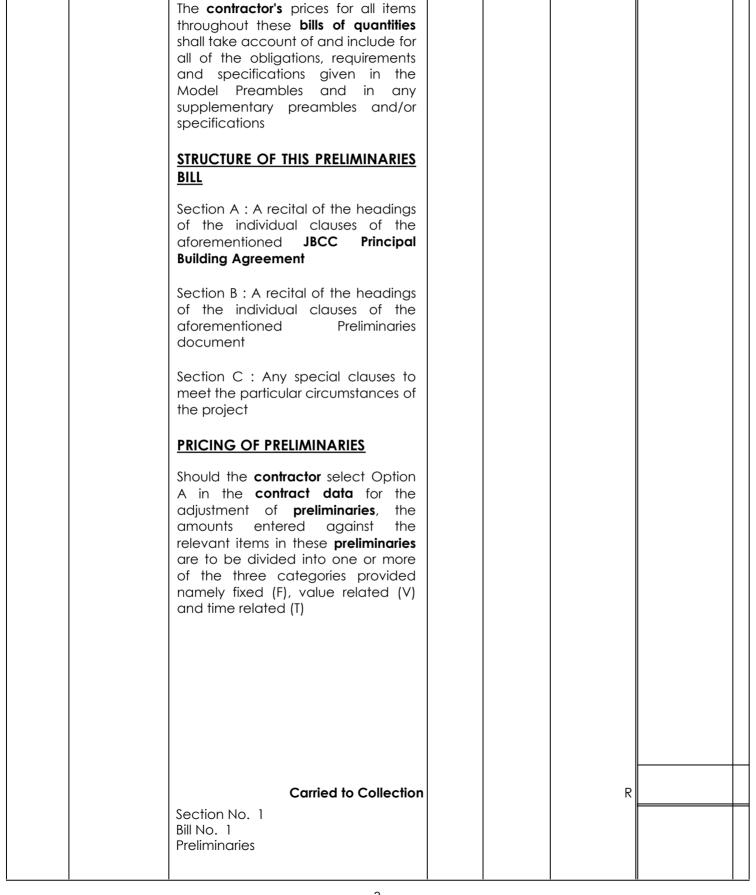


ltem No	SANS Pay Ref		Unit	Quantity	Rate	Amount
NO	ruy kei	SECTION NO. 1				
		<u>BILL NO. 1</u>				
	<u>SANS 1200A</u>	PRELIMINARY AND GENERAL				
		BUILDING AGREEMENT AND PRELIMINARIES				
		The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described				
		The JBCC Principal Building Agreement contract data form an integral part of this agreement				
		The JBCC General Preliminaries (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 bills of quantities , amended as hereinafter described				
		The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause				
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The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only		
Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"		
Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents.		
PREAMBLES FOR TRADES		
The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained		
Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the Model Preambles		
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2		







SECTION A: PRINCIPAL BUILDING AGREEMENT Interpretation (A1-A7) 1 1.0 Definitions Clause _ and interpretation Pricing of bills of quantities The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication. conveyance and storing, delivery, unloading, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities Items left unpriced will be deemed to be covered in prices against other items throughout these bills of auantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making **Carried to Collection** R Section No. 1 Bill No. 1 **Preliminaries**



good as necessary		
Abbreviated descriptions		
The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent , failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice		
Legal status of contractor		
If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:		
1.These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement		
2. These persons shall notify the employer of their leader who has authority to bind the contractor and each of these persons		
3. The contractor shall not alter its composition or legal status without the prior written consent of the employer		
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F:.... V:..... T:..... Item 2 Clause 2.0 - Law, regulations and notices F:.... V:..... Τ:.... Item Clause 3.0 - Offer and acceptance 3 F:.... V:..... Τ:.... Item Clause 4.0 - Cession and assignment 4 V:..... F:.... Item Τ:.... 5 Clause 5.0 - Documents F:.... V:..... Item Τ:.... 6 Clause 6.0 - Employer's agents **Delegated authority** The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2]. This does not preclude the principal agent from issuing such contract instructions: 1. Architect **Carried to Collection** R Section No. 1 Bill No. 1 Preliminaries



1.1 Duties [6.2] : The architect is responsible for the architectural design, functional design and quality inspection of the works 1.2 Contract instructions [6.2; 17.1]: 1.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement 1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works 1.2.3 The site [13.0] 1.2.4 Compliance with the law, regulations and bylaws [2.1] 1.2.5 Provision and testing of samples of materials and **goods** and/or of finishes and assemblies of elements of the works 1.2.6 Opening up of work for inspection, removal or reexecution [23.2.4; 26.4.2] 1.2.7 Removal or re-execution of work **Carried to Collection** R Section No. 1 Bill No. 1 Preliminaries



1.2.8 Removal or substitution of any materials and goods	
1.2.9 Protection of the works	
1.2.10 Making good physical loss and repairing damage to the works [23.2.2]	
1.2.11 Rectification of defects [21.2]	
1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
1.2.14 Appointment of a subcontractor [14.0; 15.0]	
1.2.15 Work by direct contractors [16.0]	
1.2.16 On suspension or termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]	
2. <u>Quantity surveyor</u>	
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	2.1 Duties [6.2] :			
	The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works			
	2.2 Contract instructions [6.2; 17.1] :			
	2.2.1 No contract instructions delegated to the quantity surveyor			
	3. Civil and structural engineer			
	3.1 Duties [6.2] :			
	The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works			
	3.2 Contract instructions [6.2; 17.1] :			
	3.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement			
	3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
	3.2.3 The site [13.0]			
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3.2.4	Compliance with the law , regulations and bylaws [2.1]		
3.2.5	Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
3.2.6	Opening up of work for inspection, removal or re- execution [23.2.4; 26.4.2]		
3.2.7 work	Removal or re-execution of		
3.2.8	Removal or substitution of any materials and goods		
3.2.9	Protection of the works		
3.2.10	Making good physical loss and repairing damage to the works [23.2.2]		
3.2.11	Rectification of defects [21.2]		
3.2.12	A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
3.2.13	Expenditure of budgetary allowances, prime cost amounts and provisional sums		
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4. <u>Mechanical engineer</u>	
4.1 Duties [6.2] :	
The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions	
4.2 Contract instructions [6.2; 17.1] :	
4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement	
4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	
4.2.3 Compliance with the law , regulations and bylaws [2.1]	
4.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works	
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		<u>.</u>		
4.2.	5 Opening up of work for inspection, removal or re- execution [23.2.4; 26.4.2]			
4.2. wor				
4.2.	7 Removal or substitution of any materials and goods			
4.2.	B Protection of the works			
4.2.	9 Making good physical loss and repairing damage to the works [23.2.2]			
4.2.	10 Rectification of defects [21.2]			
4.2.	A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion			
4.2.	12 Expenditure of budgetary allowances, prime cost amounts and provisional sums			
5. <u>E</u>	ectrical engineer			
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5.1 Duties [6.2] :		
The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions		
5.2 Contract instructions [6.2; 17.1] :		
5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
5.2.3 Compliance with the law , regulations and bylaws [2.1]		
5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
5.2.5 Opening up of work for inspection, removal or re- execution [23.2.4; 26.4.2]		
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	5.2.6 work	Removal or re-execution of		
	5.2.7	Removal or substitution of any materials and goods		
	5.2.8	Protection of the works		
	5.2.9	Making good physical loss and repairing damage to the works [23.2.2]		
	5.2.10	Rectification of defects [21.2]		
	5.2.11	A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
	5.2.12	Expenditure of budgetary allowances, prime cost amounts and provisional sums		
	6. <u>Wet</u>	services engineer		
	6.1 Du	ties [6.2] :		
	respor service	wet services engineer is nsible for all aspects of wet es engineering design and v inspection of the works		
	6.2 Co	ntract instructions [6.2; 17.1] :		
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	6.2.1	Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement			
	6.2.2	Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
	6.2.3	Compliance with the law , regulations and bylaws [2.1]			
	6.2.4	Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works			
	6.2.5	Opening up of work for inspection, removal or re- execution [23.2.4; 26.4.2]			
	6.2.6 work	Removal or re-execution of			
	6.2.7	Removal or substitution of any materials and goods			
	6.2.8	Protection of the works			
	6.2.9	Making good physical loss and repairing damage to the works [23.2.2]			
	6.2.10	Rectification of defects [21.2]			
		Carried to Collection		R	
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6.2.	11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
6.2.	12 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
7. <u>Fi</u>	re consultant		
7.1	Duties [6.2] :		
all a	fire consultant is responsible for aspects of rational fire design and ality inspection of the works		
7.2	Contract instructions [6.2; 17.1] :		
7.2.	1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
7.2.	2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
7.2.	3 Compliance with the law , regulations and bylaws [2.1]		
	Carried to Collection	R	
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 7.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works 7.2.5 Opening up of work for inspection, removal or reexecution [23.2.4; 26.4.2] 7.2.6 Removal or re-execution of work 7.2.7 Removal or substitution of any materials and goods 7.2.8 Protection of the works 7.2.9 Making good physical loss and repairing damage to the works [23.2.2] 7.2.10 Rectification of defects [21.2] 7.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for inal completion, a list for inal completion and a list for final completion and a list for final completion. 	
completionspecifyingoutstandingordefectiveworktoberectifiedtotoachievefinal completion	
7.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
8. <u>Health and safety consultant</u>	
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8.1 Duties [6.2] :			
The health and safety consultant is responsible for all aspects of health and safety of the works . Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works . He shall:			
8.1.1 Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act,1993 as amended			
8.1.2 Prepare and update the health and safety specification for the works			
8.1.3 Agree with the contractor the health and safety plan for the works			
8.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the act and regulations			
8.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to			
F: V: T:	Item		
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7	Clause 7.0 - Design responsibility		
	F: T:	Item	
	Insurances and securities (A8-A11)		
8	Clause 8.0 - Works risk		
	F: T:	Item	
9	Clause 9.0 - Indemnities		
	F: T:	Item	
10	Clause 10.0 - Insurances		
	F: V: T:	Item	
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11 Clause 11.0 - Securities 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 Guarantee for Payment from the employer" Extension of waiver of lien The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [11.10] V:..... F:.... Item Τ:.... Execution (A12 - A17) **Carried to Collection** R Section No. 1 Bill No. 1 Preliminaries



12	Clause 12.0 - Duties of the parties			
	Office accommodation			
	The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site . Such offices shall be kept clean and fit for use at all times [12.2.18]			
	Notice board			
	The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor, and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]			
	Statutory and other notices			
	The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor . The contractor shall pay all deposits or fees in this regard			
	It is, however, specifically recorded that the employer shall be responsible for the timeous approval			
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	of building plans by any local or other authorities and the payment of any fees or charges related thereto	
	F: T:	Item
13	Clause 13.0 - Setting out	
	F: T:	Item
14	Clause 14.0 - Nominated subcontractors	
	F: T:	Item
15	Clause 15.0 - Selected subcontractors	
	F: T:	Item
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16	Clause 16.0 - Direct contractors			
	Attendance on direct contractors			
	In respect of direct contractors the contractor shall:			
	1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials			
	2. Allow the use of personnel welfare facilities, where provided			
	3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation			
	4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor , in common with others having the like right, while it remains erected on the site [16.1]			
	F: T:	Item		
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17	Clause 17.0 - Contract instructions	
17		
	Site instructions Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor	
	F: T:	Item
	Completion (A18 - A24)	
18	Clause 18.0 - Interim completion	
	F: T:	Item
19	Clause 19.0 - Practical completion	
	F: T:	Item
20	Clause 20.0 - Completion in sections	
21	F: T: Clause 21.0 - Defects liability period	Item
2.1	and final completion	
	F: T:	Item
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22	Clause 22.0 - Latent defects liability period			
	F: V: T:	Item		
23	Clause 23.0 - Revision of the date for practical completion			
	Substitution of materials and goods			
	The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8, 23.1 & 2]			
	F: T:	Item		
24	Clause 24.0 - Penalty for late or non- completion			
	F: V: T:	Item		
	<u> Payment (A25 - A27)</u>			
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25	Clause 25.0 - Payment			
	Clause 25.10 Replace "fourteen (14)" with "thirty (30)"			
	Materials and goods prematurely on site			
	Materials and goods brought onto the site prematurely shall not be authorised for payment [25.3.2]			
	Materials and goods stored off site			
	Materials and goods stored off site shall not be authorised for payment [25.3.2]			
	Fluctuations in costs			
	All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [25.3.4]			
	Prices submitted			
	Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate , there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion , it shall be in writing			
	F: T:	Item		
	Carried to Collection Section No. 1 Bill No. 1 Preliminaries		R	



26	Clause 26.0 - Adjustment of the contract value and final account			
	Fluctuations in costs			
	All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [26.9.5]			
	Tenant installations/users requirements delayed			
	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 practical completion			
	Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works			
	The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission			
	Cost of claims			
	All costs incurred by the contractor in			
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27	the preparation of claims shall be borne by the contractor. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6 & 7] from making a determination on costsClaims from subcontractorsThe contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]F:	Item		
	and/or loss F: T:	Item		
28	Suspension and termination (A28 - A29) Clause 28.0 - Suspension by the contractor			
	F: T:	Item		
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29	Clause 29.0 - Termination		
	F: T:	Item	
	Dispute resolution (A30)		
30	Clause 30.0 - Dispute resolution		
	F: T:	Item	
31	Agreement		
	The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties		
	F: T:	Item	
32	Contract data		
	Tenderer's selection Before submission of his tender the contractor is to complete the tenderer's selection in the contract data		
	F: T:	Item	
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	<u>SECTION B: GENERAL</u> <u>PRELIMINARIES</u>		
	Definitions and interpretation (B1)		
33	Clause 1.1 - Definitions		
	F: T:	ltem	
34	Clause 1.2 - Interpretation		
	F: T:	Item	
	Documents (B2)		
35	Clause 2.1 - Checking of documents		
	F: T:	ltem	
36	Clause 2.2 - Provisional bills of quantities		
	Multiple procurement		
	These bills of quantities are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally measured and the subsequent trades are budgetary allowances and/or provisional sums		
	F: T:	Item	
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37	Clause 2.3 - Availability of construction information			
	Budgetary allowances and provisional sums			
	The budgetary allowances and/or provisional sums allocated for subsequent trades included in this agreement will be separately procured, based on multiple procurement of subcontractors during the construction period			
	F: V:	Item		
38	Clause 2.4 - Ordering of materials and goods			
	F: V: T:	Item		
	Previous work and adjoining properties (B3)			
39	Clause 3.1 - Previous work - dimensional accuracy			
	F: V: T:	Item		
40	Clause 3.2 - Previous work - defects			
	F: T:	Item		
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41	Clause 3.3 - Inspection of adjoining properties		
	F: T:	Item	
	The site (B4)		
42	Clause 4.1- Handover of site in stages		
	F: T:	Item	
43	Clause 4.2 - Enclosure of the works		
	F: T:	Item	
44	Clause 4.3 - Geotechnical and other investigations		
	F: T:	Item	
45	Clause 4.4 - Encroachments		
	F: T:	Item	
46	Clause 4.5 - Existing premises occupied		
	F: T:	Item	
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47	Clause 4.6 - Services - known		
	F: T:	Item	
	Management of contract (B5)		
48	Clause 5.1 - Management of the works		
	F: V:	Item	
49	Clause 5.2 - Progress meetings		
	F: T:	Item	
50	Clause 5.3 - Technical meetings		
	F: T:	Item	
	Samples, shop drawings and manufacturer's instructions (B6)		
51	Clause 6.1 - Samples of materials		
	F: T:	Item	
52	Clause 6.2 - Workmanship samples		
	F: T:	ltem	
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53	Clause 6.3 - Shop drawings		
54	F: T: Clause 6.4 - Compliance with manufacturer's instructions	Item	
	F: T: Deposits and fees (B7)	Item	
55	Clause 7.1 - Deposits and fees		
	F: T:	Item	
56	Temporary services (B8) Clause 8.1 - Water		
57	F: T: Clause 8.2 - Electricity	Item	
	F: V:	Item	
58	Clause 8.3 - Ablution and welfare facilities		
	F: T:	Item	
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59	Clause 8.4 - Communication facilities		
	F: T:	Item	
	Prime cost amounts (B9)		
60	Clause 9.1 - Responsibility for prime cost amounts		
	F: T:	Item	
	Attendance on subcontractors (B10)		
61	Clause 10.1 - General attendance		
	F: T:	Item	
62	Clause 10.2 - Special attendance		
	F: T:	Item	
	<u>General (B11)</u>		
63	Clause 11.1 - Protection of the works		
	F: T:	Item	
64	Clause 11.2 - Protection/isolation of existing works and works occupied in sections		
	F: T:	Item	
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65	Clause 11.3 - Security of the works				
66	F: T: Clause 11.4 - Notice before covering work	Item			
	F: T:	Item			
67	Clause 11.5 - Disturbance All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever T:	Item			
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68	Clause 11.6 - Environmental disturbance		
	Controlling all forms of pollution		
	The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during the construction period due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc.		
	F: T:	Item	
69	Clause 11.7 - Works cleaning and clearing		
	F: T:	Item	
70	Clause 11.8 - Vermin		
	F: T:	Item	
71	Clause 11.9 - Overhand work		
	F: T:	Item	
72	Clause 11.10 - Tenant installations		
	F: T:	Item	
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73	Clause 11.11 - A	dvertising				
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	SECTION C: SPECIFIC PRELIMINARIES			
74	Site instructions			
	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			
	F: V: T:	Item		
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75	Warranties for materials and workmanship			
	Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer , from the entity supplying the materials and/or doing the work and shall deliver same to the principal agent on the final completion of the contract			
	The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so			
	The warranty will not be enforced if the work is damaged by defects in the execution of the works , in which case the responsibility for replacement shall rest entirely with the contractor			
	F: T:	Item		
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Overtime			
Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer			
F: V: T:	ltem		
Co-operation of the contractor for cost management			
It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget			
F: T:	Item		
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Section No. 1 Bill No. 1 Preliminaries			
	Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer F: Co-operation of the contractor for cost management It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget F:	Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer F:	Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer Ifem F



78	Overloading			
	The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense			
79	F:V: T: Propping of floors below	Item		
	The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor			
	F: T:	ltem		
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80	Testing of flat roof waterproofing for watertightness				
	Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent , flooded with water and kept "ponded" for at least forty (40) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing				
	F:V:	Item			
81	Advertising rights				
	The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. Position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting the obligations under this agreement				
	F: V:				
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82 Confidentiality 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	
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	
the works	
No information regarding this project shall be published or disclosed without the prior written consent of the employer	
F: V: Item	
83 Media releases	
All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer	
The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media	
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84	Testing of windows for watertightness			
	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			
	F: T:	Item		
85	Non-Cession of Monies			
	The Contractor shall not cede or assign his right or claims to any			
	monies due to or to become due under this Contract			
	F: T:	Item		
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86	Proprietary Branded Products			
	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			
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89	Scaffolding				
	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				
	F: T:	Item			
90	Plant Record				
	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				
	F: V: T:	ltem			
91	Daywork				
	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				
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 with the stated percentages. The total thus arrived at shall be the total amount recoverable by the Contractor for performing such work 1. The costs to the Contractor or sub-contractor of materials, being the net cost (at current market prices) actually paid for such materials after the deduction of cash discounts or if materials are supplied from the Contractor's or sub-contractor's stock then the cost of such materials be based upon the current market price plus the cost of delivery to Site; to which net cost 7,5% thereof shall be added. 2. The cost of labour to the Contractor or sub-contractor, being all items of direct cost of delivery to sub-contractor. 		
labour actually remunerated to the workmen concerned which shall include the cost of all allowances in terms of the industrial Conciliation Act (where applicable) or any other wage determination applying in the area where the daywork is executed: to which labour cost 7,5% shall be added		
Hourly base rates for labour shall be the current market rates for labour based upon standard working hours and shall be applied in respect of the time spent by workers directly engaged on the particular day works including any operators mechanical plant and transport and erecting and dismantling other plant. If a claim is made that individual workmen have		
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	been paid wages and allowances in excess of the			
	minimum legalised rates, then			
	proof must be furnished that			
	such workmen had been so			
	paid prior to the			
	commencement of the			
	daywork referred to			
	3. The rate for mechanical plant			
	shall be commercial hire rates			
	current at the time of			
	executing the daywork and shall			
	include fuel and insurance costs			
	The above percentages shall cover			
	head office charges; Site staff			
	including Site supervision; third party			
	and Contractors workmen			
	compensation and unemployment insurance fund contributions; use,			
	repair and sharpening of non-			
	mechanical hand tools; use of			
	erected scaffolding, staging, trestles			
	and the like; use of tarpaulins,			
	protective clothing, artificial lighting, safety and welfare facilities, storage			
	and the like as may be available on			
	the Site; and profit			
	Supporting vouchers reflecting the			
	time spent and materials used in			
	each week shall be delivered for			
	verification to the Principal Agent			
	not later than twenty calendar days			
	after the end of the week concerned. Should the Contractor			
	fail to submit the vouchers within this			
	time, the Principal Agent shall			
	determine a fair price for the work			
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92	Unauthorised Persons/Workmen on Premises The Contractor shall at all times		
	strictly exclude all unauthorized persons from the site and shall set up notice boards to that effect		
	F: T:	Item	
93	Guarantees and Maintenance Instructions/Manuals		
	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		
	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		
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94	Removal and Making Good of Temporary Works, etc. on Completion			
	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			
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95	Indemnities			
	Indemnities shall be sought by the Architect from all Contractors and Sub-contractors undertaking any design responsibility			
	F: T:	ltem		
96	Shop Drawings			
	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			
	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			
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procedure			
(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			
(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			
(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			
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			
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97	Location of Temporary Buildings and Temporary Services			
	The Contractor shall provide all necessary temporary works, including temporary roads, tracks, crossings, hardstanding, and services, etc., required for his own Sub-contractors use during the construction and maintenance period			
	There is no guarantee given or implied that site conditions will be such that the Contractor will be able to erect such offices, stores and temporary accommodation within the site boundaries and it shall be the Contractors responsibility to adopt whatever measures he deems necessary in this regard and to obtain all necessary permission and pay all costs in connection therewith			
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98	Commodities to be New		
	All commodities, goods, articles or materials throughout the building are to be new except where re-use of existing is specified and are to be handled, stored, used and/or fixed with care to ensure that they are in perfect condition when incorporated into the works and thereafter properly protected so as to ensure that they are likewise in perfect condition when handed over at completion of the works		
	F: T:	Item	
99	Cost of Claims		
	Costs incurred by the Contractor in the preparation of claims accepted by the Principal Agent shall be borne by the Contractor		
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100	Overloading			
	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			
	F: T:	ltem		
101	Environmental Management Plan			
	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			
	F: V:	ltem		
102	Health and safety			
	Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is			
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specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works . The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1]			
The contractor shall			
 Comply with the health and safety specification for the works 			
2. Prepare and agree with the health and safety consultant the health and safety plan for the works			
3. Cooperate with the health and safety consultant in all respects			
4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification			
5. Conform to the conditions contained in the employer's health and safety specification			
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103	Transformation and Empowerment Requirements			
	The contractor shall take all necessary measures to comply with the document titled: Empowerment Breakdown of 15 point, compiled by Joburg Property Company, and make adequate provision to accommodate the requirements relating to job creation, job intensity, training and development, local SMME utilisation, local material utilisation, enterprise development, etc. as detailed in the above document			
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	SUMMARY OF CATEGORIES			
	Category : Fixed			
	Category : Value			
	Category : Time			
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	<u>BILL NO. 1</u>			
	ALTERATIONS			
	<u>The Tenderer is referred to the relevant Clauses</u> in the separate document Model Preambles for <u>Trades (2017 Edition)</u>			
	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.			
	SUPPLEMENTARY PREAMBLES			
	Site inspection			
	The Tenderer is advised to visit the site, inspect the existing premises and acquaint himself thoroughly with the nature of the work specified.			
	Sizes and dimensions			
	All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.			
	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.			
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R

<u>Materials</u>

Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor.

Old materials from the alterations, except where described to be re-used or handed over, as well as all rubish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.

None of the old materials are to be used for new work except where specifically described as being set aside for re-use.

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.

<u>General</u>

All new finishes are measured in the relevant trades for new work.

Allow for watering the works sufficiently to prevent nuisance from dust.

All alteration works described hereunder shall imply the use of an approved screed or plaster repairing compound and preparing existing surfaces to receive new.

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	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.				
	TEMPORARY BARRIERS, SCREENS, ETC.				
	Temporary barriers, screens, etc., including removal				
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	40		
2	Extra over ditto for single leaf door size overall 1100 x 3350mm high, including all necessary posts, framing, lock, etc.	No	1		
	REMOVAL OF EXISTING WORK				
	<u>Taking out and removing doors, windows, etc.</u> including thresholds, sills, etc. (building up openings elsewhere)				
3	Door lockset including handles, escutcheons, cylinders, etc.	No	2		
	Take out and remove glass, mirrors, etc.:				
4	Glass from steel windows including cleaning out rebates and preparing for new glass.	m2	1		
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	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:				
5	Ceramic floor tiles.	m2	10		
6	Ceramic wall tiles.	m2	20		
	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):				
7	Water closet with all necessary piping, stop cocks, valves, etc.	No	3		
8	Wash hand basin with all necessary piping, stop cocks, valves, taps, etc.	No	2		
9	Urinal with all necessary piping, stop cocks, valves, etc.	No	1		
10	Toilet roll holders, soap dispensers, paper towel dispensers, dustbins, etc.	No	9		
	Carefully take up, remove and set aside for re-use (re-use elsewhere):				
11	60mm Thick concrete and clay pavers	m2	5		
	MAKE GOOD FINISHES, ETC.				
	<u>Make good internal granolithic, screed, plaster, etc.</u> to match existing:				
12	Floors in patches.	m2	3		
13	Walls in patches.	m2	10		
	<u>Clean down existing:</u>				
14	Deep clean existing floor tiles.	m2	24		
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15	Deep clean existing wall tiles.	m2	23		
16	Clean down existing glazing.	m2	5		
	Facebrick Facades:				
17	Jet clean existing face brickwork and joints with a high pressure washer, cartaway all debris to a dumping site to be located by the Contractor, including making good all loose and missing mortar, all in accordance with the Architect's instructions.	m2	70		
	REPAIR WORK AND SERVICING OF EXISTING DOORS AND WINDOWS				
	Steel Windows:				
18	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	5		
	Timber Doors Hung on Steel Frames:				
19	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	3		
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	<u>BILL NO. 2</u>			
	WATERPROOFING			
	<u>The Tenderer is referred to the relevant Clauses</u> in the separate document Model Preambles for <u>Trades (2017 Edition)</u>			
	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.			
	SUPPLEMENTARY PREAMBLES			
	<u>Waterproofing</u>			
	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.			
	WATERPROOFING TO FLAT ROOFS			
	The Contractor shall allow in his rates for testing the waterproofing for water tightness by ponding the waterproofed surfaces for a period of at least 48 hours before application of a protective layer.			
	<u>4mm Thick "Derbigum SP" fully bonded</u> waterproofing guaranteed to remain watertight for a period of three years on:			
1	Flat roofs.	m2 24		
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2	Flashing strip 150mm at turn-ups including sealing top edge.	m	26		
	PROTECTIVE PAINT				
	Prepare and apply two coats bituminous aluminium paint on:				
3	Waterproofing on concrete slab, beams and side of parapets.	m2	32		
	Prepare existing surfaces and spray apply Aquagard 422, or equal approved, clear penetrating waterproof sealant in strict accordance with the manufacturers instructions on:				
4	External facebrick walls and plaster surfaces.	m2	70		
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	IRONMONGERY					
	<u>The Tenderer is referred to the relevant Clauses</u> in the separate document Model Preambles for <u>Trades (2017 Edition)</u>					
	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.					
	LOCKS					
1	"QS6055/1/AS/SS" Cylinder latch and dead bolt lock.	No	2			
2	"Q\$4406/Q\$4409" Thumbturn wc indicator bolt.	No	3			
	HANDLES, ETC.					
3	"Kiruna" stainless steel lever handle on rose. P	airs	2			
	<u>SUNDRIES</u>					
	BATHROOM FITTINGS					
4	"Kwakuhle Hygiene" lockable and vandal resistant white powder coated metal roll holder Ref TR3W.	No	3			
5	"Kwakuhle Hygiene" ABS construction lockable Roll Control Paper Dispenser with viewing window in colour white.	No	2			
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6	"Kwakuhle Hygiene" stainless steel 950ml vandal and theft resistant Soap Dispenser.	No	2		
7	"Costa Lambrianos CLX 2500 (Ref. 59)" stainless steel fully automatic hand dryer with infrared sensor plugged to wall.	No	2		
8	"Chilli B CL-01052" 820mm long x 540mm wide horizontal wall mounted baby changing station with 480mm high foldable lid, high density polyethylene interior, top shelf, adjustable safety belt, bag hooks, etc. with a bearing weight of 20kg installed in strict accordance with the manufacturer's instructions.	No	1		
	TOILET BINS				
	<u>Stainless steel</u>				
9	Half moon wall mounted bin size 330 x 450 x 180mm.	No	4		
	Carried to Collection			R	
	Section No. 2			ĸ	
	Bill No. 3 Ironmongery				



Section No. 2			
Bill No. 3			
Ironmongery			
COLLECTION			
	Page No		Amount
Total Brought Forward from Page No.	71		
	72		
Carried Forward to Summary of Section No. 2		R	
Section No. 2 Bill No. 3			
Ironmongery			



Item		Quantity	Rate	Amount
Νο	SECTION NO. 2			
	<u>BILL NO. 4</u>			
	TILING			
	<u>The Tenderer is referred to the relevant Clauses</u> in the separate document Model Preambles for <u>Trades (2017 Edition)</u>			
	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.			
	SUPPLEMENTARY PREAMBLES			
	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			
	WALL TILING			
	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 compond on:			
1	Walls. r	n2 5		
2	Narrow widths. r	n2 1		
	FLOOR TILING			
	Carried to Collection		R	
	Section No. 2 Bill No. 4 Tiling			



Allow a Prime Cost Amount of R170/m2 for porcelain floor tiles fixed with an approved adhesive on plaster bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound on: 3 3 Floors. m2 Narrow widths. 4 m2 1 **Carried to Collection** R Section No. 2 Bill No. 4 Tiling



Section No. 2				٦
Bill No. 4				
Tiling				
COLLECTION				
COLLECTION Total Brought Forward from Page No.	Page No 74 75		Amount	
Carried Forward to Summary of Section No. 2 Bill No. 4		R		
Tiling				



ltem No		Quantity	Rate	Amount
-	SECTION NO. 2			
	<u>BILL NO. 5</u>			
	PLUMBING AND DRAINAGE			
	<u>The Tenderer is referred to the relevant Clauses</u> in the separate document Model Preambles for <u>Trades (2017 Edition)</u>			
	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.			
	SANITARY FITTINGS	-		
	<u>White vitreous china:</u>			
1	"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.	3		
2	"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 : 85412000), fixed on and including two hanger brackets (Code : 81272000) and connected complete in strict accordance with the manufacturer's instructions.	1		
	Carried to Collection Section No. 2 Bill No. 5 Plumbing and Drainage		R	



3 "Vaal Hibiscus (Ref. 702303AV)" one tap hole wash hand basin complete with chromium plated waste union, chain and stay, vulcanite pluas 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 No 2 instructions (taps elsewhere). 4 "Franke (SKU : d12e3278)" single bowl drop in sink complete with overflow, 38mm chromium plated waste union, chain and stay, vulcanite plugs and under sink insulation, fixing in position and sealing with an approved waterproof sealer and connecting complete as per manufacturer's instructions (mixer elsewhere). No 1 TRAPS, ETC. 5 "Cobra (Ref. 340)" 40mm chromium plated brass bottle trap. No 3 6 38mm Combination sink rubber P or S trap. No 1 TAPS, VALVES, ETC. Chromium plated: 7 "Cobra Watertech", or equal approved, Chrome Junior Flushmaster exposed flush valve (Code: FJ6-000), installed in accordance with the manufacturer's recommendations. No 1 8 "Cobra Watertech", or equal approved, chrome Junior Flushmaster exposed water closet flush valve (Code: FJS2-100) with integral vacuum breaker, ballostop value and BSP inlet, bent flush pipe and connectors, etc, installed in accordance with the 3 manufacturer's recommendations No 9 "Cobra Carina 294CA" 15mm basin mixer including flexible connection hoses. No 2 **Carried to Collection** R Section No. 2 Bill No. 5 Plumbing and Drainage



10	"Cobra 832/350" 15mm angle valve.	No	10		
11	"Cobra Watertech Noka" single lever 15mm chrome single taphole sink mixer with classic handle, aerated swivel outlet and flexible connection tubes (Code: NA-970).	No	1		
	Sundries:				
12	15mm Flexihose 450mm long.	No	3		
	SOIL AND WASTE WATER DRAINAGE				
	<u>uPVC pipes</u>				
13	50mm Pipes	m	7		
14	100mm Pipes	m	4		
	Extra over uPVC pipes for fittings				
15	50mm Access bend	No	12		
16	50mm Access junction	No	3		
17	100mm Access bend	No	3		
18	100mm Access junction	No	2		
19	100mm Access bend pan connector	No	2		
20	110mm "GI Two-way" vent valve	No	3		
21	100 x 50mm Access reducing junction	No	1		
22	100mm Stub stack.	No	2		
	<u>Sundries</u>				
23	Testing waste pipe system		ltem		
	WATER SUPPLIES				
	Carried to Collection			D	Η
	Carried to Collection Section No. 2 Bill No. 5 Plumbing and Drainage			R	



	Class 1 copper pipes				
24	15mm Pipes	m	4		
25	22mm Pipes	m	7		
26	35mm Pipes	m	5		
	Extra over class 1 copper pipes for c	apillary fittings			
27	15mm Fittings	No	18		
28	22mm Fittings	No	10		
29	35mm Fittings	No	4		
	<u>Sundries</u>				
30	Testing water pipe system		Item		
	Carr Section No. 2	ied to Collection		R	
	Bill No. 5 Plumbing and Drainage				



Section No. 2				
Bill No. 5				
Plumbing and Drainage				
COLLECTION				
	Page No		Amount	
Total Brought Forward from Page No.	77			
	78			
	79			
	80			
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Carried Forward to Summary of Section No. 2		R		
Section No. 2 Bill No. 5				
Plumbing and Drainage				



ltem		Quantity	Rate	Amount
No		,		
	SECTION NO. 2			
	BILL NO. 6			
	GLAZING			
	<u>Tenderers are advised to study the "Model</u> <u>Preambles for Trades" before pricing this</u> <u>schedule.</u>			
	<u>The Tenderer is referred to the relevant Clauses</u> in the separate document Model Preambles for <u>Trades (2017 Edition)</u>			
	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.			
	GLAZING TO STEEL WITH PUTTY			
	4mm Obscure glass			
1	Panes exceeding 0,5m2 and not exceeding 2m2. m2	2		
	Carried Forward to Summary of Section No. 2		R	
	Section No. 2			
	Bill No. 6 Glazing			



ltem No			Quantity	Rate	Amount
NO	SECTION NO. 2				
	<u>BILL NO. 7</u>				
	PAINTWORK				
	<u>The Tenderer is referred to the relevant Clauses</u> in the separate document Model Preambles for <u>Trades (2017 Edition)</u>				
	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.				
	PAINTWORK TO PREVIOUSLY PAINTED WORK				
	<u>PLASTER</u>				
	Clean down, prepare and apply one coat "Plascon" plaster primer and two coats "Plascon Double Velvet" paint on:				
1	Internal plastered walls, columns, recessed bands, etc.	m2	23		
	<u>Clean down, prepare and apply one coat</u> "Plascon" primer and two coats "Plascon Professional Super Matt" paint on:				
2	Internal plastered slab soffits.	m2	24		
	METAL				
	<u>Clean down, prepare and apply one coat "Plascon</u> <u>Zinc Phosphate" primer and two coats "Plascon</u> <u>Velvaglo" paint on:</u>				
3	Frames and linings.	m2	8		
	Carried to Collection Section No. 2 Bill No. 7			R	
	Paintwork				



4	Gates, grilles, etc. (both sides measured).	m2	7		
	WOOD				
	Clean down, prepare and apply one coat "Plascon Woodcare Pre-treatment", one coat "Plascon Wood Primer" and two coats "Plascon Velvaglo" paint on:				
5	General surfaces of doors.	m2	18		
	Carried to Collection			R	
	Section No. 2 Bill No. 7				
	Paintwork				



Section No. 2 Bill No. 7 Paintwork COLLECTION Page Amount No Total Brought Forward from Page No. 83 84 Carried Forward to Summary of Section No. 2 R Section No. 2 Bill No. 7 Paintwork



SECTION SUMMARY - Builders Work Bill Page Amount No No 1 Alterations 67 2 Waterproofing 70 3 Ironmongery 73 Tiling 4 76 5 Plumbing and Drainage 81 Glazing 6 82 7 Paintwork 85 **Carried to Final Summary** R Section No. 2



Item			Quantity	Rate	Amount
No			Quanny	Kale	
	SECTION NO. 2				
	<u>BILL NO. 1</u>				
	EXTERNAL WORKS				
	<u>Tenderers are advised to study the "Model</u> <u>Preambles for Trades" before pricing this</u>				
	schedule.				
	SUPPLEMENTARY PREAMBLES				
	FENCING				
	Hot dipped galvanised steel high security anti- climbing and anti-cut fence and gates similar to cochrane clearvu formed of 3mm diameter				
	horizontal & vertical galvanised marine fusion bond				
	<u>coated high tensile steel mesh wires with 76,2mm x</u> <u>12,7mm aperture and reinforced with 4 x 50mm</u>				
	deep V-section horizontal recessed bands with and				
	including 85 x 45 x 3mm thick marine fusion bond coated taper posts, locking recess mechanism, UV				
	stabilised polymer end caps, vandal resistant bolts,				
	clamping plates, sealant, etc. with posts bolted to brick plinth wall or pier (elsewhere measured) in				
	strict accordance with the manufacturer's				
	instructions:				
1	2400mm High fence with and including 2400mm		10		
	high posts at 3328mm centres.	m	13		
2	Single leaf swing gate size overall 1495 x 2325mm				
	high complete with and including frame, additional bracing, pull handles, lock box, heavy duty lock,				
	lockable sliding bolt with keep, etc.	No	1		
	DANING				
	PAVING				
	Carried to Collection			R	
	Section No. 3			K	
	Bill No. 1				
	External Works				



	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 & watered into joints between roadstones:				
3	Paving to roads, parking areas, pavements, etc. in patchwork and small quantities to falls including any consequent cutting (circular cutting elsewhere) and tying into existing paving.	m2	10		
	Carried to Collection Section No. 3 Bill No. 1 External Works			R	



Section No. 3				
Bill No. 1				
External Works				
COLLECTION				
COLLECTION Total Brought Forward from Page No.	Page No 87 88		Amount	
Carried Forward to Summary of Section No. 3 Section No. 3 Bill No. 1 External Works		R		



Item		Quantity	Rate	Amount
No	SECTION NO. 3			
	BILL NO. 2			
	STORMWATER DRAINAGE, SOIL DRAINAGE & WATER RETICULATION			
	The Tenderer is referred to the relevant Clauses			
	in the separate document Model Preambles for Trades (2017 Edition)			
	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.			
	STORMWATER RETICULATION			
	Cleaning existing grid inlets, kerb inlets, pipes, etc.:			
1	Clean existing kerb inlets, manholes. etc. (various sizes) of all rubbish, debris, etc., including cleaning of the inlet & outlet pipes for 20 metres in both directions, including removal of existing lids, relaying existing lids as per Engineer's instructions, making good & carting away all rubbish, debris, etc. to a dumping site to be located by the contractor.	No 1		
	SEWER RETICULATION			
	Cleaning existing manholes, pipes, etc.:			
2	Allow for cleaning existing manholes. etc. (various sizes) of all rubbish, debris, etc., including cleaning of the inlet & outlet pipes for 20 metres in both directions, including removal of existing lids, relaying existing lids as per Engineer's instructions, making good & carting away all rubbish, debris, etc. to a dumping site to be located by the contractor.	No 1		
	Carried Forward to Summary of Section No. 3 Section No. 3		R	
	Bill No. 2 Stormwater Drainage, Soil Drainage and Water Retic			



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Bill No	SECTION SUMMARY - External Works	Page No		Amount	
1	External Works	89			
2	Stormwater Drainage, Soil Drainage and Water Reticulation	90			-
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	Carried to Final Summary		R		
	Section No. 3				



		Quantity	Rate	Amount
	SECTION NO. 4			
	<u>BILL NO. 1</u>			
	PROVISIONAL SUMS			
	The following sums and amounts are NETT.			
	Under no circumstances may any Provisional Sum or P.C Item be altered.			
	Unless a specific percentage mark up for attendence is indicated in the rate column, the amounts priced by the contractor for attendence against each Provisional Sum shall be deemed to be Lump Sum and shall not be adjusted unless the scope of the sub-contract varies significantly.			
	Provisional Sums contained herein may be omitted or reduced at the employer's sole discretion and the contractor shall not be entitled to claim for any loss by way of reductions or omissions of any discount, or percentage relating to the Provisional Sums pr P.C Amounts or any loss of profit related thereto.			
	ALLOW THE FOLLOWING PROVISIONAL SUMS			
	ALLOW THE FOLLOWING PROVISIONAL SUMS ELECTRICAL INSTALLATION			
		Item		10,000.
	ELECTRICAL INSTALLATION Provide the amount of R10,000.00 (Ten Thousand	Item	%	10,000
2	ELECTRICAL INSTALLATION Provide the amount of R10,000.00 (Ten Thousand Rand) for electrical installation executed complete.	Item	%	10,000
	ELECTRICAL INSTALLATION Provide the amount of R10,000.00 (Ten Thousand Rand) for electrical installation executed complete. Profit on above item.	ltem		10,000
	ELECTRICAL INSTALLATION Provide the amount of R10,000.00 (Ten Thousand Rand) for electrical installation executed complete. Profit on above item.	Item		10,000.
	ELECTRICAL INSTALLATION Provide the amount of R10,000.00 (Ten Thousand Rand) for electrical installation executed complete. Profit on above item.	Item		10,000.



1			I	1 1
	FIRE PROTECTION			
4	Provide the amount of R8,000.00 (Eight Thousand Rand) for fire protection executed complete.	ltem		8,000.00
5	Profit on above item.		%	
6	Attendance on ditto.		%	
	STORE ROOM UNITS			
7	Provide the amount of R10,000.00 (Ten Thousand Rand) for store room units installed complete.	ltem		10,000.00
8	Profit on above item.		%	
9	Attendance on ditto.		%	
	STAND ALONE ALARM SYSTEM			
10	Provide the amount of R20,000.00 (Twenty Thousand Rand) for signage installed complete.	ltem		20,000.00
11	Profit on above item.		%	
12	Attendance on ditto.		%	
	<u>CLO</u>			
13	Provide the amount of R50,000.00 (Fifty Thousand Rand) for a Community Liaison Officer.	ltem		50,000.00
14	Profit on above item.		%	
15	Attendance on ditto.		%	
	Carried to Collection		R	
	Section No. 4 Bill No. 1 Provisional Sums			



1		1	1	1
	FINANCIAL PROVISIONS			
	The items described hereunder cover work which is not fully defined at tender stage and which is intended to be executed by the Contractor and/or his Sub-Contractors. The amounts shown shall be used as directed by the Representative/ Agent and shall be deducted in whole or in part if not required.			
16	Allow the amount of R15,000.00 (Fifteen Thousand Rand) for sundry builders work. This work shall be measured on completion and priced at scheduled rates.	Item		15,000.00
	Carried to Collection		R	
	Section No. 4 Bill No. 1 Provisional Sums			



Section No. 4				
Bill No. 1				
Provisional Sums				
COLLECTION				
	Page		Amount	
	No		Amooni	
Total Brought Forward from Page No.	92			
	93			
	94			
		_		
Carried to Final Summary Section No. 4		R		
Bill No. 1 Provisional Sums				



	FINAL SUMMARY				
Section No		Page No		Amount	
1	Preliminaries	61			
2	Builders Work	86			
3	External Works	91			
4	Provisional Sums	95			
	Sub-Total		R		
	Value Added Tax (15%)		R		
					_
	Total		R		
					\neg
	Carried to Form of Tender		R		\downarrow