

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES AND GENERAL</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Principal Building Agreement (May 2018 Edition 6.2) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The errata listed under the Table of Contents on page 3 of the JBCC Principal Building Agreement are deemed to be included in the agreement.</p> <p>The JBCC Principal Building Agreement contract data form an integral part of this agreement</p> <p>The Preliminaries revision 1 (February 2016) published by the Association of South African Quantity Surveyors for use with the JBCC Principal Building Agreement Edition 6.2 shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described</p> <p>The contractor is deemed to have referred to the above mentioned documents for the full intent and meaning of each clause</p> <p>The clauses in the above mentioned documents are hereinafter referred to by clause number and heading only</p> <p>Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"</p>			
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STRUCTURE OF THIS PRELIMINARIES BILL

Section A : A recital of the headings of the individual clauses of the aforementioned **JBCC Principal Building Agreement**

Section B : A recital of the headings of the individual clauses of the aforementioned Preliminaries document

Section C : Any special clauses to meet the particular circumstances of the project

SECTION A: PRINCIPAL BUILDING AGREEMENT

Interpretation (A1-A7)

1 Clause 1.0 - Definitions and interpretation

Definition of agreement

The definition of **agreement** is replaced with the following definition :

"AGREEMENT: The **JBCC** Principal Building Agreement, the completed **JBCC** PBA contract data, the **contract drawings**, the **priced documents** and any other documents reduced to writing and signed by the **parties**"

Pricing of bills of quantities

The **contractor** is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this **agreement**. Value Added Tax (VAT) is to be separately stated on the summary page of these **bills of quantities**

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<p>Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained</p> <p>Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary</p> <p>Abbreviated descriptions</p> <p>The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice</p> <p>Legal status of contractor</p> <p>If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:</p> <ol style="list-style-type: none"> 1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement 2. These persons shall notify the employer of their leader who has authority to bind the contractor and each of these persons 3. The contractor shall not alter its composition or legal status without the prior written consent of the employer <p>F:..... V:..... T:.....</p>	Item	
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2	<p>Clause 2.0 - Law, regulations and notices</p> <p><u>User note</u></p> <p><i>Insert the following where a health and safety specification is <u>not</u> yet available</i></p> <p>Health and safety</p> <p>F:..... V:..... T:.....</p> <p>Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 Edition 19. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1, 2.7.2 & 2.7.3]</p> <p>The contractor shall:</p> <ol style="list-style-type: none"> 1. Comply with the health and safety specification for the works 2. Prepare and agree with the health and safety consultant the health and safety plan for the works 3. Co-operate 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 		
3	<p>Clause 3.0 - Offer and acceptance</p> <p>F:..... V:..... T:.....</p>	Item	
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4	<p>Clause 4.0 - Assignment and cession</p> <p>F:..... V:..... T:.....</p>	Item	
5	<p>Clause 5.0 - Contract documents</p> <p>Value Added Tax</p> <p>Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)</p> <p>Priced document as specification</p> <p>Clause 5.3 is deemed to be deleted</p> <p>The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any</p> <p>Electronic issue of drawings</p> <p>All drawings for this project will be issued electronically and the contractor shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [5.5]</p> <p>Precedence</p> <p>Clause 5.6 is deemed to be deleted. The provisions of this Bill No. 1 (Preliminaries) shall take precedence over any other documents which constitute this agreement [5.6]</p> <p>F:..... V:..... T:.....</p>	Item	
6	<p>Clause 6.0 - Employer's agents</p> <p>Delegated authority</p> <p>The authority of the principal agent to issue contract instructions and perform duties for specific aspects of the works is delegated to agents as follows [6.2]</p>		
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7	<p>Clause 7.0 - Design responsibility</p> <p>F:..... V:..... T:.....</p> <p><u>Insurance and security (A8-A11)</u></p>	Item	
8	<p>Clause 8.0 - Works 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> <p>The Contractor is to ensure that he is properly and adequately insured in respect of all risk, public liability, workmen and materials on site.</p>	Item	
11	<p>Clause 11.0 - Security</p> <p>Extension of waiver of lien</p> <p>The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [11.10]</p> <p>F:..... V:..... T:.....</p> <p><u>Execution (A12 - A17)</u></p>	Item	
12	<p>Clause 12.0 - Duties of the parties</p> <p>Provisions of clauses 12.1.2 to 12.1.6 and 12.2.18</p> <p>Refer to the contract data, the Preliminaries document and "Section B : Preliminaries" of this Bill No. 1 with reference to the provisions of clauses 12.1.2 to 12.1.6 and 12.2.18 of the JBCC Principal Building Agreement</p>		
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<p>Office accommodation</p> <p>The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18]</p> <p>Notice board</p> <p>The contractor shall erect in a position by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as by the principal agent listing the names and logos of the employer, the contractor, and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]</p> <p>Access to water, sewer, stormwater and electricity connections</p> <p>The employer is not in a position to identify access to water, sewer, stormwater and/or electricity connections to the site as may be suitable for the execution of the works. The contractor is to allow what he considers to be required and is to qualify his tender in detail in this regard, failing which it shall be taken that the contractor has allowed what will be required for the execution of the works. In such case no claims for additional cost or loss shall be entertained [12.1.5]</p> <p>Statutory and other notices</p> <p>The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard [12.1.6]</p> <p>It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto</p> <p>F:..... V:..... T:.....</p>		Item	
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13	<p>Clause 13.0 - Setting out</p> <p>The contractor shall be responsible for the verification and protection of the location of all existing services. In the event that existing services are damaged by the contractor or sub-contractors then the damaged services shall be reinstated to the approval of the relevant authorities, all at the expense of the contractor</p> <p>F:..... V:..... T:.....</p>	Item	
14	<p>Clause 14.0 - Nominated subcontractors</p> <p>General attendance by the contractor upon n/s subcontractors shall be in accordance with the n/s agreement. Notwithstanding this provision, general attendance shall be deemed to include for the contractor to provide free of charge to any n/s subcontractor such scaffolding as required by such subcontractor for the execution of the relevant subcontract works</p> <p>F:..... V:..... T:.....</p>	Item	
15	<p>Clause 15.0 - Selected subcontractors</p> <p>Refer to provisions on general attendance in previous clause 14.0 which shall apply equally to this clause</p> <p>F:..... V:..... T:.....</p>	Item	
16	<p>Clause 16.0 - Direct contractors</p> <p>Attendance on direct contractors</p> <p>In respect of direct contractors the contractor shall:</p> <ol style="list-style-type: none"> 1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials 2. Allow the use of personnel welfare facilities, where provided 		
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	<p>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</p> <p>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]</p> <p>F:..... V:..... T:.....</p>	Item	
17	<p>Clause 17.0 - Contract instructions</p> <p>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</p> <p>F:..... V:..... T:.....</p>	Item	
	<u>Completion (A18 - A24)</u>		
18	<p>Clause 18.0 - Interim completion</p> <p>F:..... V:..... T:.....</p>	Item	
19	<p>Clause 19.0 - Practical completion</p> <p>F:..... V:..... T:.....</p>	Item	
20	<p>Clause 20.0 - Sectional completion</p> <p>F:..... V:..... T:.....</p>	Item	
21	<p>Clause 21.0 - Defects liability period and final completion</p> <p>F:..... V:..... T:.....</p>	Item	
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22	<p>Clause 22.0 - Latent defects liability period</p> <p>F:..... V:..... T:.....</p>	Item	
23	<p>Clause 23.0 - Revision of date for practical completion</p> <p>Substitution of materials and goods</p> <p>The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8, 23.1 & 2]</p> <p>F:..... V:..... T:.....</p>	Item	
24	<p>Clause 24.0 - Penalty for late or non-completion</p> <p>F:..... V:..... T:.....</p> <p>Payment (A25 - A27)</p>	Item	
25	<p>Clause 25.0 - Payment</p> <p>Materials and goods prematurely on site</p> <p>Materials and goods brought onto the site prematurely shall not be authorised for payment [25.3.2]</p> <p>Materials and goods stored off site</p> <p>Materials and goods stored off site shall be authorised for payment subject to a guarantee for advance payment being provided to the employer [25.3.2]</p> <p>Materials must be stored safely and protected against loss or damage</p> <p>Materials must be covered by insurance</p> <p>Fluctuations in costs</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [25.3.4]</p>		
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	<p>Prices submitted</p> <p>Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing</p> <p>F:..... V:..... T:.....</p>	Item	
26	<p>Clause 26.0 - Adjustment of the contract value and final account</p> <p>Tenant installations/users requirements delayed</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 practical completion</p> <p>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</p> <p>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.</p> <p>Cost of claims</p> <p>All costs incurred by the contractor in the preparation of claims shall be borne by the contractor. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6,7] from making a determination on costs</p>		
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	<p>The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]</p> <p>F:..... V:..... T:.....</p>	Item	
27	<p>Clause 27.0 - Recovery of expense and/or loss</p> <p>F:..... V:..... T:.....</p>	Item	
	<u>Suspension and termination (A28 - A29)</u>		
28	<p>Clause 28.0 - Suspension by the contractor</p> <p>F:..... V:..... T:.....</p>	Item	
29	<p>Clause 29.0 - Termination</p> <p>F:..... V:..... T:.....</p>	Item	
	<u>Dispute resolution (A30)</u>		
30	<p>Clause 30.0 - Dispute resolution</p> <p>F:..... V:..... T:.....</p>	Item	
31	<p>Contract data</p> <p>Payment of preliminaries</p> <p>Where Option B is applicable and the initial construction period is extended the monthly charge shall be recalculated on the same basis as was initially applied but taking into account the revised construction period and the amounts already paid to the contractor [CD26.0]</p>		
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Adjustment of preliminaries

Where the adjustment of **preliminaries** is in terms of Option A, the **construction period** and the initial **construction period** shall be calculated in **working days** [CD 26.0]

Where the adjustment of **preliminaries** is in terms of Option A, the breakdown of charges into three categories and, where applicable, the appointment of preliminaries amounts per section, shall be provided by the contractor in schedule form indicating which items in this Preliminaries Bill are priced and whether they are fixed, Value - related or Time - related or a combination of categories. Alternatively, the contractor may provide the breakdown described above by marking each amount in this Preliminaries Bill with a "F", "V", "T" to indicate Fixed, Value - Related or Time - related respectively. Should the contractor fail to provide the sectional apportionment within the period stipulated, the categorised amounts shall be prorated to the value of each section [CD 26.0]

Where the adjustment of **preliminaries** is required in terms of Option B, the detailed breakdown of preliminaries amounts and, where applicable, the apportionment of preliminaries amounts per section, shall be provided by the contractor in a schedule form which separates, as a minimum, the administrative and supervisory staff, the use of construction equipment in terms of the programme, establishment and disestablishment charges, Insurances and Guarantees, site office costs and the like. Should the contractor fail to provide such information within the period stipulated, Option A shall apply [CD 26.0]

32 **Changes made to JBCC documentation**

It is specifically agreed that the note below calling for amendments to the standard JBCC Agreement to be listed in the space provided in the contract data or recorded in "the single referenced Annexure" shall not apply. Where standard clauses or alternatives are not entirely applicable to this agreement, modifications, corrections or supplements as will apply are given under each relevant clause heading in this Preliminaries Bill and such amendments, modifications, corrections or supplements shall take precedence notwithstanding the note below and notwithstanding the provisions of clause 5.6 of the JBCC Principal Building Agreement.

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	<u>SECTION B: PRELIMINARIES</u>		
	<u>Interpretation (B1)</u>		
33	Clause 1.1 - Definitions F:..... V:..... T:.....	Item	
34	Clause 1.2 - Interpretation F:..... V:..... T:.....	Item	
	<u>Documents (B2)</u>		
35	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item	
36	Clause 2.2 - Provisional bills of quantities		
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:..... T:.....	Item	
38	Clause 2.4 - Ordering of materials and goods F:..... V:..... T:.....	Item	
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	<u>Previous work and adjoining properties (B3)</u>		
39	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item	
40	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item	
41	Clause 3.3 - Inspection of adjoining properties A photographic record must be handed over to the Principal Agent prior to commencing work on site F:..... V:..... T:.....	Item	
	<u>The site (B4)</u>		
42	Clause 4.1 - Defined works area F:..... V:..... T:.....	Item	
43	Clause 4.2 - Handover of site in stages F:..... V:..... T:.....	Item	
44	Clause 4.3 - Enclosure of the works F:..... V:..... T:.....	Item	
45	Clause 4.4 - Geotechnical investigation F:..... V:..... T:.....	Item	
46	Clause 4.5 - Encroachments F:..... V:..... T:.....	Item	
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47	Clause 4.6 - Existing premises occupied F:..... V:..... T:.....	Item		
48	Clause 4.7 - Services - known F:..... V:..... T:.....	Item		
49	Clause 4.8 - Protection of trees and/or relevant natural features F:..... V:..... T:.....	Item		
	<u>Management of contract (B5)</u>			
50	Clause 5.1 - Management of the works F:..... V:..... T:.....	Item		
51	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item		
52	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item		
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	<u>Samples, shop drawings and manufacturer's instructions (B6)</u>		
53	<u>Samples, shop drawings and manufacturer's instructions (B6)</u> Clause 6.1 - Samples of materials Clause 6.1 is hereby amended by the addition of the following: The principal agent may reject any material or colours not corresponding with the samples. The samples shall be kept on site until completion of the works. Should any materials or items specified prove to be either unavailable, in poor supply or likely to cause delay to the works, the contractor shall notify the principal agent in sufficient time for suitable alternatives to be considered. Any claims for delays resulting from the contractor not conforming with the terms of this clause will not be entertained or allowed. F:..... V:..... T:.....	Item	
54	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	
55	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	
56	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:..... <u>Deposits and fees (B7)</u>	Item	
57	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item	
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	<u>Attendance on subcontractors (B10)</u>		
63	<p>Clause 10.1 - General attendance</p> <p>General Attendance on N/S Subcontracts</p> <p>The following sub clauses are added:</p> <p>10.1.1 Access to the site and places where the subcontract work is to be carried out, including the reasonable use of any temporary personnel hoists erected by the contractor.</p> <p>10.1.2 The provision of water and lighting and of single phase electric power to a position within 50 metres of the place where the subcontract work is to be carried out but excluding water, fuel and power for commissioning of any installation.</p> <p>10.1.3 The provision of an area for the subcontractor to establish temporary office accommodation and workshop and for the storage of plant and materials.</p> <p>10.1.4. The use of erected scaffolding belonging to the contractor, in common with others having the like right, as necessary to complete the works.</p> <p>10.1.5. The use, at reasonable times by arrangement of the contractor's erected hoisting equipment.</p> <p>F:..... V:..... T:.....</p>	Item	
64	<p>Clause 10.2 - Special attendance</p> <p>F:..... V:..... T:.....</p>		
	<u>General (B11)</u>		
65	<p>Clause 11.1 - Protection of the works</p> <p>F:..... V:..... T:.....</p>	Item	
66	<p>Clause 11.2 - Protection/isolation of existing/sectionally occupied works</p> <p>F:..... V:..... T:.....</p>	Item	
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67	<p>Clause 11.3 - Security of the works</p> <p>F:..... V:..... T:.....</p>	Item	
68	<p>Clause 11.4 - Notice before covering work</p> <p>F:..... V:..... T:.....</p>	Item	
69	<p>Clause 11.5 - Disturbance</p> <p>F:..... V:..... T:.....</p>	Item	
70	<p>Clause 11.6 - Environmental disturbance</p> <p>F:..... V:..... T:.....</p>	Item	
71	<p>Clause 11.7 - Works cleaning and clearing</p> <p>The contractor shall ensure that the roads, pavements, etc. leading to and around the site are kept free from obstruction, debris, etc. at all times. In no way shall the work on the site be the cause of any inconvenience or hindrance to traffic or pedestrians. The contractor shall be responsible to ensure that all vehicles leaving the site do not deposit earth, mud, debris, etc either by spillage or via the wheels on any roads.</p> <p>The contractor shall have no claim against the employer in the event that the contractor is held accountable by any local authority or police for any action such as overloading vehicles, causing damage to roads while carting goods and materials onto or away from the site, restrictions on masses or dimensions of loads, holding up traffic, etc.</p> <p>F:..... V:..... T:.....</p>	Item	
72	<p>Clause 11.8 - Vermin</p> <p>F:..... V:..... T:.....</p>	Item	
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73	<p>Clause 11.9 - Overhand work</p> <p>F:..... V:..... T:.....</p>	Item		
74	<p>Clause 11.10 - Tenant installations by direct contractors</p> <p>F:..... V:..... T:.....</p>	Item		
75	<p>Clause 11.11 - Advertising</p> <p>F:..... V:..... T:.....</p>	Item		
	<u>Preliminaries schedule (B12)</u>			
76	<p>Information for completion of the preliminaries schedule</p> <p>Information necessary for elections and completion of those clauses contained in the preliminaries schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract</p> <p>12.1 - Provisional bills of quantities [2.2]</p> <p style="padding-left: 40px;">The quantities are provisional Yes</p> <p>12.2 - Availability of construction information [2.3]</p> <p style="padding-left: 40px;">Construction documentation is complete Yes</p> <p>12.3 - Previous work - dimensional accuracy [3.1]</p> <p>The contractor is required to check the site for dimensional accuracy of the previous works, report thereon in detail possession of the site. Failure by the contractor to comply with the above shall deem the previous works to be correct, and this shall be the basis for adjustment to contract value.</p> <p>12.4 - Previous work - defects [3.2]</p> <p>not applicable</p>			
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12.5 - Inspection of adjoining properties [3.3]	
Specific Requirements:	
The contractor shall make a photographic record of all adjoining/ existing properties, buildings, walls, boundary fences, roads, pavements, kerbs, etc that could be affected by the works and deliver same recorded on a CD to the principal agent .	
12.6 - Defined works area [4.1]	
12.7 - Handover of site in stages [4.2]	
12.8 - Enclosure of the works [4.3]	
12.9 - Geotechnical investigation [4.4]	
12.10 - Existing premises occupied [4.6]	
12.11 - Services - known [4.7]	
12.12 - Protection of trees and/or relevant natural features [4.8]	
12.13 - Water [8.1]	
Option A (by contractor)	No
Option B (by employer - free of charge)	No
Option C (by employer - metered)	Yes
12.14 - Electricity [8.2]	
Option A (by contractor)	No
Option B (by employer - free of charge)	No
Option C (by employer - metered)	Yes
12.15 - Ablution and welfare facilities [8.3]	
Option A (by contractor)	Yes
Option B (by employer)	No
12.16 - Communication facilities [8.4]	
Specific Requirements: Contractor`s account	
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<p>12.17 - Protection of the works [11.1]</p> <p>Specific Requirements: The Contractor shall be liable for all damages to adjoining properties and existing roads and pavement and must make good all damages to same at his own expense all to the satisfaction of the Principal Agent.</p> <p>12.18 - Protection/isolation of existing/sectionally occupied works [11.2]</p> <p style="padding-left: 40px;">Protection/isolation is required Yes</p> <p>12.19 - Disturbance [11.5]</p> <p>Specific Requirements: Minimising 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.</p> <p>Whilst the employer shall not impose restrictions upon the contractor's working hours, the contractor shall take all measures available to him in order to minimise noisy operations during business hours. Such measures will include, <i>inter alia</i>, the use of silent compressors and strict control of workmen.</p> <p>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.</p> <p>12.20 - Environmental disturbance [11.6]</p> <p>Controlling all forms of pollution</p> <p>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 <i>inter alia</i> to noise, artificial light, wind-blown sand, dust, deposits of mud, etc.</p> <p>The contractor is to ensure that all roads which border the site and is used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works</p>	<p>R</p>
Carried Forward	R
<p>Bill No. 1 Preliminaries and General</p>	

Brought Forward				R
F:..... V:..... T:.....	Item			
<u>SUPPLEMENTARY DOCUMENTATION</u>				
AS BUILT DRAWINGS				
77 The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineers drawings and are to be submitted to the principal agent and the structural engineer for their records.				
F:..... V:..... T:.....	Item			
<u>WARRANTIES FOR MATERIALS AND WORKMANSHIP</u>				
78 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. The principal agent shall be the sole judge of the cause responsible for defects in the work and his ruling shall be final and binding.				
F:..... V:..... T:.....	Item			
Carried Forward				
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Brought Forward

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SECTION C: SPECIFIC PRELIMINARIES

ENCLOSURE OF WORKS.

The contractor shall erect whatever other site enclosure, hoardings, access gates, etc. he deems necessary to maintain the security of the works, his temporary offices, stores, etc. and to protect the general public from accessing dangerous construction areas, and he shall maintain such enclosure during the course of the works and remove same prior to practical completion.

F:..... V:.....
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Item

79 DEFINED WORKS AREA

The area of the works to be occupied by the contractor, any restriction to the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over of the site.

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Item

80 LABOUR RECORD

At the end of each week the contractor shall provide the Principal Agent with written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all sub-contractors on the works each day

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Item

Carried Forward

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	Brought Forward		R
81	<p>EMPLOYMENT OF ILLEGAL WORKERS</p> <p>No illegal (migrant) workers may be employed or allowed on the site by any contractor or subcontractor. Precautions to prevent illegal workers being employed shall include but not be limited to the following:</p> <ol style="list-style-type: none"> 1. Records of all workers shall be maintained by all contractors and subcontractors, and shall be submitted to the contractor's site agent on a daily basis. 2. Advise all persons entering the site by means of notices or posters that illegal workers will not be employed on the site, and that any illegal workers found on site will be reported to the authorities. 3. Advise all persons entering the site by means of notices or posters that anyone who fails to provide full and proper means of identification when requested to do so by a supervisor will not be allowed to remain on the site. <p>F:..... V:..... T:.....</p>	Item	
82	<p>OVERTIME</p> <p>Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer</p> <p>F:..... V:..... T:.....</p>	Item	
83	<p>CO-OPERATION OF THE CONTRACTOR FOR COST MANAGEMENT</p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Bill No. 1 Preliminaries and General</p>		

	Brought Forward		R
84	<p>PRICES FOR VARIATIONS</p> <p>Where prices or quotations for variations are submitted by the contractor during the currency of the contract, it shall be clearly understood that these are for the purpose of consideration only and that there is not to be any assumption of their acceptance.</p> <p>F:..... V:..... T:.....</p>	Item	
85	<p>SCAFFOLDING</p> <p>Tenderer to allow for scaffolding in accordance with the scope, including the provision of scaffolding for sub contractors as necessary to complete the works</p> <p>F:..... V:..... T:.....</p>	Item	
86	<p>CHANGES TO THE SCOPE OF WORKS</p> <p>The client reserves the right to extend the scope of works by not more than 20 percent (%) of the tendered quantities without repricing.</p> <p>F:..... V:..... T:.....</p>	Item	
87	<p>SITE INSTRUCTIONS</p> <p>Contract instructions issued on site are to be recorded in triplicate in an instruction book which is to be maintained on site by the contractor. Copies to be sent to Principal Agent and Quantity Surveyor weekly.</p> <p>No verbal Contract Instructions will be considered for remuneration.</p> <p>F: V: T:</p>	Item	
	Carried Forward		R
	<p>Bill No. 1 Preliminaries and General</p>		

Brought Forward

R

88 **WARRANTIES FOR MATERIAL 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 firm 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 specified period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor.

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Item

89 **COOPERATION 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 final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors.

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Item

Carried Forward

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Preliminaries and General

	Brought Forward		R
90	<p>TESTING OF WINDOWS FOR WATERTIGHTNESS</p> <p>Each window shall be tested for water tightness 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 equally approved means.</p> <p>F:..... V:..... T:.....</p>	Item	
91	<p>CONFIDENTIALITY</p> <p>The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works.</p> <p>No information regarding this project shall be published or disclosed without the prior written consent of the employer.</p> <p>F:..... V:..... T:.....</p>	Item	
92	<p>GROUND AND ACCESS TO WORKS</p> <p>On completion of operations, the contractor shall restore the ground surface, wherever it may have been disturbed, to its original condition by filling ruts with material similar to the material within the rut and levelling the ground and, where necessary, plant grass and shrubs as may be required. Reinstatement operations to be done at the Contractor's expense.</p> <p>F:..... V:..... T:.....</p>	Item	
93	<p>ESCALATION/ CONTRACT PRICE ADJUSTMENTS PROVISION</p> <p>This contract and the rates contained will be Fixed and not subject to Escalation / Contract Price Adjustment</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Bill No. 1 Preliminaries and General</p>		

	Brought Forward		R
94	<p>CONTRACT DRAWINGS</p> <p>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent.</p> <p>F:..... V:..... T:.....</p>	Item	
95	<p>TRADE NAMES</p> <p>Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders.</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for.</p> <p>F:..... V:..... T:.....</p>	Item	
96	<p>IMPORTED MATERIALS AND EQUIPMENT</p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Bill No. 1 Preliminaries and General</p>		

	Brought Forward		R
97	<p>ACCESS TO SITE LOCATIONS</p> <p>The site is located at Durban Cleaners Depot (Section B along Cobham Grove and Section C along Umgeni Road) and the tenderer must allow in his pricing for access and other considerations specific to these environments</p> <p>F:..... V:..... T:.....</p>	Item	
98	<p>SECURITY / BACKGROUND CHECKS OF PERSONNEL</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, undertake criminal background checks</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works</p> <p>F:..... V:..... T:.....</p>	Item	
99	<p>SITE AND CONTACT RESTRICTIONS</p> <p>The contractor is required to keep his personnel and operations limited to the site boundary defined by the principal agent</p> <p>Under no circumstances is the contractor's workmen permitted to have any contact with any other person on the property except for the contact person/s identified by the principal agent for the purpose of liaising with the contractor's representative</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Bill No. 1 Preliminaries and General</p>		

	Brought Forward		R
100	<p>HIV/AIDS AWARENESS</p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements</p> <p>of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained</p> <p>The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (Section A)" or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p>	Item	
101	<p>AWARENESS CHAMPION</p> <p>Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification</p> <p>F:..... V:..... T:.....</p>	Item	
102	<p>AWARENESS WORKSHOPS</p> <p>Selection and appointment of a competent Service Provider by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Bill No. 1 Preliminaries and General</p>		

	Brought Forward		R
103	<p>POSTERS, BOOKLETS, VIDEOS, ETC.</p> <p>Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification</p> <p>F:..... V:..... T:.....</p>	Item	
104	<p>ACCESS TO CONDOMS</p> <p>Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification</p> <p>F:..... V:..... T:.....</p>	Item	
105	<p>MONITORING</p> <p>Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification</p> <p>F:..... V:..... T:.....</p>	Item	
106	<p>UTILISE LOCAL RESOURCES</p> <p>Utilise local resources</p> <p>F:..... V:..... T:.....</p>	Item	
107	<p>PROVIDE EXPERIENTIAL WORK OPPORTUNITIES TOWARDS A TECHNICAL QUALIFICATION FOR DESIGNATED PERSONS</p> <p>Provide experiential work opportunities towards a technical qualification for designated persons</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Bill No. 1 Preliminaries and General</p>		

	Brought Forward		R
108	<p>PROVIDE EXPERIENTIAL WORK OPPORTUNITIES AND TRAINING TOWARDS TRADE COMPETENCIES FOR DESIGNATED PERSONS</p> <p>Provide experiential work opportunities and training towards trade competencies for designated persons</p> <p>F:..... V:..... T:.....</p>	Item	
109	<p>COMMUNITY ENGAGEMENT OBLIGATION</p> <p>The contractor shall ensure labour and community harmony on the project site and in the surrounding community. The Contractor shall participate in all community engagement activities where appropriate to promote the successful early completion of the project.</p> <p>The CLO and the Contractors most senior site manager are required to participate in the regular scheduled PSC meetings. The terms of reference for the PSC will be established prior to electing community / stakeholder participants.</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Bill No. 1 Preliminaries and General</p>		

	Brought Forward		R
110	<p>OCCUPATIONAL HEALTH AND SAFETY</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and safety Act, 1993 (Act No 85 of 1993)</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the Bills of Quantities / lump sum document</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance.</p> <p>The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained</p> <p>Provide the amount for the cost of employing a full time Health & Safety Officer for the duration of the project</p> <p>F:..... V:..... T:.....</p>		
111	Profit	Item	
112	Attendance	Item	
113	<p>SAFETY EQUIPMENT</p> <p>Personal protective equipment, clothing, fencing, signage, and other safety equipment.</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Bill No. 1 Preliminaries and General</p>		

	Brought Forward		R
114	Profit	Item	
115	Attendance	Item	
116	<p>COMMUNITY LIAISON OFFICER (CLO)</p> <p>The contractor shall allow for and pay any and all costs necessary for the engagement of the services of a Community Liaison Officer (CLO) for the full duration of this contract.</p> <p>A CLO will be identified by the local structures of the ward areas and appointed following fair and transparent interviewing process, to be conducted in the presence of local structures and the contractor representative, in order to assist the Contractor in the procurement of any local labour, etc. required for this project. The contractor is to liaise with the CLO and afford him any assistance needed in ensuring sound working relations with the local community.</p> <p>Key Responsibilities of the CLO are envisaged to include and not necessary be limited to:</p> <ol style="list-style-type: none"> 1. Assisting local leadership in conducting skills and resources audit which facilitates sourcing labour from within the ward or targeted areas for employment, as required by the contractor. 2. Assisting in sourcing labour only domestic sub-contractors and the procurement of materials from local resources, as required by the contractor. 3. Assisting the contractor by identifying areas of potential conflict and of threats to the project or to stakeholders in the project and recommend appropriate action to the contractor. 4. Assisting contractor and stakeholders in the project in the resolution of any conflict which may arise. 5. Establishing and ensuring that sufficient and open communication channels between the contractor and the work force are maintained. 6. Establish and ensuring that efficient and open communication channels between the contractor and the community are maintained. 7. Identifying and reporting to the contractor regarding issues where communication between stakeholder is 		
	Carried Forward		R
	<p>Bill No. 1 Preliminaries and General</p>		

	Brought Forward		R
	necessary, recommend courses of action and facilitate such communications		
	8. Assisting the Contractor and the work force in the establishment of grievance procedures and necessary recommendation to the contractor regarding the grievances and solution thereto.		
	9. Attending to site meetings and project implementation meetings as required by the Contractor and prepare periodic reports as may be required by the Contractor from time to time.		
	10. Attending to such other duties which are consistent with the functions of a CLO, as may be required by the Contractor from time to time.		
	Tenderers are to price twice the rate of unskilled local labour rate against this item for any and all costs arising out of compliance with the foregoing and in the event of a Tenderer failing to price against this item or making inadequate financial provision against this item for compliance as aforesaid, then no claim for costs or additional cost incurred will be entertained by the Principal Agent.		
	F:..... V:..... T:.....	Item	
117	SUB-CONTRACTING		
	A tenderer to sub-contract a minimum 30% of the contract value to EME's and QSE's to have black ownership of 51% and above. The sub-contractor must reside within the municipal ward.		
	F:..... V:..... T:.....	Item	
	<u>SUMMARY OF CATEGORIES</u>		
	Category : Fixed R.....		
	Category : Value R.....		
	Category : Time R.....		
	Carried to Summary		R
	Bill No. 1		
	Preliminaries and General		

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades" , " Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>View site</p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p>Explosives</p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p>General</p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 2 Alterations</p>			R

	Brought Forward			R
	Prices for taking out of doors, windows, etc. shall include for removal of all beads, architraves, ironmongery, etc.			
	Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing			
	With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc., shall be levelled and prepared for raising of brickwork			
	Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary			
	The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc.)			
	Asbestos work may only be performed subject to prior approval of the Provincial Director, Occupational Health and Safety, department of Labour in writing			
	<u>REMOVAL OF EXISTING WORK</u>			
	<u>Carefully disconnect existing electrical components and make safe all wiring:</u>			
1	Take out and remove light fittings	No	48	
2	Take out and remove plug points	No	6	
3	Take out and remove power skirting	m	5	
	<u>Carefully disconnect existing mechanical components and make safe all wiring:</u>			
4	Take out and remove wall mounted fans	No	12	
5	Take out and remove existing air-conditioning unit approximate size 800 x 400 x 800mm high	No	4	
	Carried Forward			R
	Bill No. 2 Alterations			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
6	Take out and remove existing air-conditioning unit approximate size 1350 x 600 x 1000mm high	No	4
<u>Breaking up and removing reinforced concrete, including cutting off and removing reinforcement</u>			
7	85mm Thick plinths	m2	91
8	Half brick walls	m2	374
9	One brick walls	m2	117
<u>Cutting through</u>			
10	Carefully saw cut and break up 100mm thick surface bed to accommodate new 385mm wide precast concrete channel not exceeding 0,5m deep in earth including backfilling and compaction (Precast concrete channel elsewhere measured)	m	184
11	Carefully saw cut and break up 100mm thick surface bed to accommodate new 700mm wide concrete strip footings not exceeding 2m deep in earth including backfilling and compaction (Strip footings elsewhere measured)	m	250
<u>Taking out and remove doors, windows, etc., including thresholds, sills, etc.</u>			
12	Timber door approximate size 900 x 2100 high from steel door frames to remain	No	21
13	Timber door approximate size 900 x 2100 high and steel door frames complete	No	6
14	Timber door approximate size 900 x 2100 high and timber door frames complete	No	21
15	Timber door approximate size 1700 x 2032 high from steel door frames to remain	No	5
16	Timber door approximate size 1700 x 2032 high and steel door frames complete	No	12
17	Aluminium and glass shower doors approximate size 1000 x 2100mm high	No	51
18	Timber window approximate size 840 x 1090mm high	No	4
Carried Forward			R
Bill No. 2 Alterations			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
19	Timber window approximate size 1785 x 935mm high	No	4
20	Aluminium window approximate size 600 x 600mm high	No	2
21	Aluminium window approximate size 600 x 1500mm high	No	4
22	Aluminium window approximate size 1380 x 1020mm high	No	1
23	Aluminium window approximate size 1750 x 950mm high	No	8
24	Aluminium window approximate size 4000 x 600mm high	No	2
25	Asbestos louvres approximate size 1750 x 280mm high and prepare surfaces to received new (new elsewhere measured)	No	124
26	Asbestos louvres approximate size 1750 x 950mm high and prepare surfaces to received new (new elsewhere measured)	No	189
27	Fibre glass louvres approximate size 1500mm diameter and prepare surfaces to received new (new elsewhere measured)	No	4
28	Timber louvres approximate size 900 x 1255mm high	No	2
29	Timber louvres approximate size 1700 x 1255mm high	No	4
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.</u>			
30	Carefully take out and removed metal roof sheeting covering including insulation, and preparing existing steel purlins to receive new sheeting (new sheeting elsewhere measured)	m2	1,738
31	Carefully take out and removed fibre glass skylight channel, 1330mm diameter and preparing existing steel purlins to receive new sheeting (new sheeting elsewhere measured)	m	217
32	Take out and remove existing suspended gypsum ceilings	m2	1,568
Carried Forward			R
Bill No. 2 Alterations			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
33	Take out and remove existing vertical bulkhead gypsum ceilings	m2	122
34	Take out and remove existing fibre cement suspended ceilings	m2	347
35	Existing metal box gutter	m	435
36	Carefully take out existing asbestos 110mm downpipes including all shoes, bends, etc.	m	139
37	Carefully take out existing 255mm high asbestos barge boards	m	435
<u>Taking out and removing sundry joinery work, fittings, etc.</u>			
38	Timber bench slats, 70 x 30mm	m	409
39	Timber wall mounted shelf approximate size 1200 x 450mm wide	No	1
40	Timber wall mounted shelf approximate size 2500 x 600 x 2100mm high	No	6
41	Timber wall mounted cupboard approximate size 1960 x 975 x 450mm high	No	1
42	Timber wall mounted cupboard approximate size 2540 x 975 x 450mm high	No	1
43	Timber kitchen floor cupboard approximate size 2400 x 600 x 900mm high including work top	No	2
44	Timber floor cupboard approximate size 1800 x 600 x 900mm high including work top	No	1
45	Timber floor cupboard approximate size 4173 x 600 x 900mm high including work top	No	1
46	Timber floor cupboard approximate size 7500 x 600 x 900mm high including work top	No	2
47	L-shaped timber floor cupboard approximate size 1050 x 3508 x 600 x 900mm high including work top	No	1
48	Timber built-in cupboard approximate size 3405 x 450 x 1800mm high	No	13
Carried Forward			R
Bill No. 2 Alterations			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
49	Remove timber doors, shelves, etc. from stainless steel catering sink and make good to surfaces where doors, shelves, etc. removed, approximate size 3500 x 600 x 900mm high	No	3
<u>Taking out/off and removing sundry metalwork</u>			
50	Burglar guard approximate size 1380 x 1020mm high overall	No	1
51	Burglar guard approximate size 1700 x 1250mm high overall	No	1
52	Single steel gate approximate size 900 x 2032mm high overall	No	3
53	Double steel gate approximate size 1710 x 2032mm high overall	No	1
54	Existing steel palisade single gate approximate size 1000 x 1800mm high	No	1
55	Existing steel palisade fencing bolted to floors and/or walls, 1800mm high and prepare surfaces to received new (new elsewhere measured)	m	19
<u>Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc.</u>			
56	Tiles to floors including screeds	m2	1,465
57	Mosaic tiles to floors including screeds	m2	56
58	Skirting to walls	m	1,185
59	Tiles to walls	m2	680
<u>Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.</u>			
60	Plaster from walls	m2	74
61	Screeds from floors	m2	23
Carried Forward			R
Bill No. 2 Alterations			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
	<u>Taking out and removing piping, sanitary fittings, etc., including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>		
62	Ceramic drains complete with concrete base, etc.	m	184
	<u>Taking out and removing piping, sanitary fittings, etc., including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>		
63	Floor drains	No	21
64	Shower cubicle complete with concrete base, etc.	No	51
65	Vitreous china wash hand basin	No	20
66	Vitreous china urinals	No	8
67	Vitreous china WC pan with cistern	No	21
68	Stainless steel double bowl sink	No	2
69	Stainless steel single wash trough	No	4
70	Water drinking fountain	No	2
71	Bib taps	No	47
72	10 Litres Hydroboil including short lengths of piping, etc.	No	5
73	150 Litre geyser, including short lengths of piping, etc.	No	3
74	1000 Litre Boiler, including short lengths of piping, etc.	No	3
75	Stripping out 50mm uPVC pipes from existing walls including making good to walls	m	404
76	Stripping out 110mm uPVC pipes from existing walls including making good to walls	m	248
77	Stripping out 15mm copper pipes from existing walls including making good to walls	m	987
	Carried Forward		R
	Bill No. 2 Alterations		

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
78	Stripping out 22mm copper pipes from existing walls including making good to walls	m	394
79	Stripping out 28mm copper pipes from existing walls including making good to walls	m	308
80	Stripping out 35mm copper pipes from existing walls including making good to walls	m	102
<u>Taking out/off and removing glass and mirrors</u>			
81	Mirror 600 x 900mm high from wall	No	20
82	Glass from precast concrete walls including cleaning out rebates and preparing for new glass (elsewhere measured)	m2	22
<u>Taking out and removing ironmongery</u>			
83	Towel rail not exceeding 1000mm long from wall	No	51
84	Soap rack	No	51
85	Soap dispenser	No	10
86	Toilet paper holder from wall	No	21
87	Sanitary bin	No	14
<u>MAKING GOOD OF FINISHES, ETC.</u>			
88	Making good to floors where locker plinth removed	m2	91
89	Making good to floors where shower base removed	m2	56
90	Making good to floors where brick walls removed	m2	31
91	Making good to walls where brick walls removed	m2	17
<u>BUILDING UP OPENINGS</u>			
Carried Forward			R
Bill No. 2 Alterations			

Brought Forward			R
<u>Brickwork in NFP bricks in class II mortar in building up openings</u>			
92	One brick walls	m2	19
<u>Brickwork sundries</u>			
93	Cutting toothings and bonding new brickwork to existing	m2	40
<u>OPENINGS THROUGH EXISTING WALLS, ETC.</u>			
<u>Breaking out for and forming plain openings through precast concrete walls, including, making good cement plaster on both sides and into reveals and with 20 MPa concrete thresholds with steel trowelled finish (making good paintwork elsewhere)</u>			
94	Opening 900 x 2100mm high through 230mm thick precast concrete wall	No	2
95	Opening 1600 x 2100mm high through 230mm thick precast concrete wall	No	4
<u>REPAIR WORK TO EXISTING</u>			
<u>Vertical expansion joints (internal/external walls)</u>			
<u>Poorly constructed and damaged expansion joints are to be repaired as follows:</u>			
1) Remove existing expansion joints			
2) Remove all existing material/debris within the expansion joint gap and clean out the joint thoroughly			
3) Install polystyrene backing board (approx. 100mm wide x 15mm thick) within the expansion joint gap			
4) Apply 15 x 15mm polysulphide sealant 'capping bead' (ABE product or similar approved) to the exposed face of the expansion joint			
5) The polysulphide sealant is to be applied according to the manufacturer's specifications			
6) Paint wall to architects specifications			
Carried Forward			R
Bill No. 2 Alterations			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
96	Vertical joints in walls	m	1,142
<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
<u>Preparatory work</u>			
97	Pressure clean down external facebrick walls and seal with an approved sealer	m2	907
98	Pressure clean down concrete wall	m2	738
99	Making good to defects in concrete floors with "Sika" or other equally approved cementitious flooring compound	m2	402
100	Prepare existing floors to receive new epoxy paint (new epoxy elsewhere measured)	m2	371
101	Prepare existing skirting to receive new epoxy paint (new epoxy elsewhere measured)	m	305
102	Remove damaged face bricks and replace with new to match existing	m2	23
<u>Concrete spalling to existing concrete surfaces to included saw cut, break back 50mm to remove loose concrete aggregates and to expose steel, clean & wire brush steel, apply ABE Durarep ZR primer or similar approved to steel, apply Epidermix 344 or similar approved, apply ABE Durarep FR or similar approved 50mm thick, etc. all in accordance to engineer specifications</u>			
103	Existing concrete surfaces	m2	18
<u>SERVICING OF EXISTING</u>			
104	Service existing aluminium windows, approximate size 600 x 600mm high	No	2
105	Service existing aluminium windows, approximate size 600 x 1500mm high	No	11
106	Service existing aluminium windows, approximate size 690 x 1020mm high	No	1
107	Service existing aluminium windows, approximate size 1750 x 950mm high	No	181
Carried Forward			R
Bill No. 2 Alterations			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
108	Service existing single steel gate, approximate size 900 x 2100mm high	No	2
109	Service existing double steel gate, approximate size 1700 x 2100mm high	No	1
<u>SUNDRIES</u>			
<u>Sundry metalwork</u>			
110	Carefully remove existing stainless steel sink with worktop bolted to floors & walls, and set aside for re-use, approximate size 1900 x 600 x 900mm high with one drop-in sink bowl including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)	No	1
111	Carefully remove existing stainless steel sink with worktop bolted to floors & walls, and set aside for re-use, approximate size 3500 x 600 x 900mm high with one drop-in sink bowl including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)	No	3
112	Carefully remove existing stainless steel sink with worktop bolted to floors & walls, and set aside for re-use, approximate size 3500 x 600 x 900mm high with three drop-in sink bowls including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)	No	4
113	Carefully remove existing stainless worktop bolted to floors & walls, and set aside for re-use, approximate size 3500 x 600 x 900mm high and making good floor and wall finishes (making good tiling and paintwork elsewhere)	No	1
114	Carefully remove existing stainless worktop bolted to floors & walls, and set aside for re-use, approximate size 5400 x 600 x 900mm high and making good floor and wall finishes (making good tiling and paintwork elsewhere)	No	2
115	Take from store and re-instate stainless steel sink with worktop bolted to floors & walls, approximate size 1900 x 600 x 900mm high one drop-in sink bowl	No	1
Carried Forward			R
Bill No. 2 Alterations			

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 3</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades" , "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surface as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself. Formworks to soffits of solid slabs, etc. shall be deemed to be slabs not exceeding 250mm thick unless otherwise described.</p> <p>Formwork used to obtain smooth formwork to soffits, shall be obtained by the use of new and clean shutter boards.</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 3 Concrete, Formwork and Reinforcement</p>			R

Brought Forward				R
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
<u>25MPa/19mm concrete</u>				
1	Surface beds on waterproofing	m3		15
2	Strip footings	m3		44
<u>REINFORCED CONCRETE CAST ON/IN FORMWORK</u>				
<u>30MPa/19mm concrete</u>				
3	Plinths	m3		9
<u>TEST CUBES</u>				
<u>Test cubes</u>				
4	Making and testing set of three 150 x 150 x 150mm concrete strength test cube (Provisional)	No		11
<u>CONCRETE SUNDRIES</u>				
<u>Finishing top surfaces of concrete smooth with a wood float</u>				
5	Surface beds, slabs, etc.	m2		148
<u>Finishing top surfaces of concrete smooth with a steel float</u>				
6	Plinths, seating, etc.	m2		94
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
<u>Smooth formwork to sides</u>				
7	Edges, risers, etc. not exceeding 300mm high or wide	m		312
<u>Boxing out in smooth formwork to form</u>				
8	25 x 25mm Chamfer edges set horizontally	m		312
<u>MOVEMENT JOINT, ETC.</u>				
Carried Forward				R
Bill No. 3 Concrete, Formwork and Reinforcement				

Brought Forward							
	<u>Expansion joints with 12mm bitumen impregnated softboard between vertical concrete surfaces, including necessary formwork</u>						R
9	12mm Joints not exceeding 300mm high	m	500				
	<u>REINFORCEMENT</u>						
	<u>High tensile steel reinforcement to structural concrete work</u>						
10	Bars of various diameters	t	3.96				
	<u>Fabric reinforcement</u>						
11	Type ref. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	148				
12	Type Ref. 617 fabric reinforcement in concrete surface beds etc.	m2	94				
	Carried to Summary						R
	Bill No. 3 Concrete, Formwork and Reinforcement						

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>PRECAST CONCRETE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades" , " Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.			
	<u>PRECAST CONCRETE CHANNEL</u>			
	<u>'LG Green" or other equally approved precast concrete channel</u>			
1	Channel (SWC4) 385 x 170mm high with rebate for steel grating (Steel grating elsewhere measured) fixed with unreinforced concrete bedding, mortar jointing to joints, including excavation, etc.	m	184	
2	Extra over channel for corner	No	24	
3	Extra over channel for stopped end	No	12	
	<u>COVER</u>			
	<u>'Resocrete" or other equally approved poly-fibre grating</u>			
4	285 x 25mm Grating covering fixed on precast channel (Precast channel elsewhere measured)	m	184	
	Carried to Summary			R
	Bill No. 4 Precast Concrete			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 5</u></p> <p><u>MASONRY</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p><u>Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick</u></p> <p><u>Bagged and sealed walls</u></p> <p><u>User Note - The following preamble generally applies for works in dry inland areas</u></p> <p><u>Walls in two skins described as 'bagged and sealed' shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating</u></p> <p>Face bricks</p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p>Pointing</p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p> <p><u>BRICKWORK IN FOUNDATIONS</u></p>			
	Carried Forward		R	
	Bill No. 5 Masonry			

Brought Forward			R
<u>Brickwork of 'Corobrik Maxibrick' or other equally approved NFP bricks (7MPa nominal comprehensive strength) in class II mortar</u>			
1	Half brick walls	m2	138
2	One brick walls	m2	50
<u>BRICKWORK IN SUPERSTRUCTURE</u>			
<u>Brickwork of 'Corobrik Maxibrick' or other equally approved NFP bricks (7MPa nominal comprehensive strength) in class II mortar</u>			
3	Half brick walls	m2	462
4	One brick walls	m2	242
5	One brick walls in plinths	m2	94
<u>BRICKWORK SUNDRIES</u>			
<u>2,5mm Brickwork reinforcement</u>			
6	75mm Wide reinforcement built in horizontally	m	1,811
7	150mm Wide reinforcement built in horizontally	m	1,317
<u>Bagging of 1:3 cement and sand mixture</u>			
8	On brick walls, piers, etc.	m2	32
<u>Prestressed fabricated concrete lintels including necessary temporary supports</u>			
9	110 x 75mm Lintels in lengths not exceeding 3m	m	162
<u>Turning pieces to lintels, etc.</u>			
10	Wide turning pieces not exceeding 300mm wide or high	m	36
<u>Galvanised hoop iron cramps, ties, etc.</u>			
11	30 x 1,6mm Cramp 500mm long with one end fixed to timber and other end built into brickwork	No	240
<u>FACE BRICKWORK</u>			
Carried Forward			R
Bill No. 5 Masonry			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

	Brought Forward				
	<u>'Corobrick - Firelight Satin' or other equally approved face bricks pointed with flush horizontal and vertical joints</u>				R
12	Extra over brickwork in NFP bricks for face brickwork walls	m2	52		
13	Extra over brickwork in NFP bricks for face brickwork to plinths	m2	94		
	Carried to Summary				R
	Bill No. 5 Masonry				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<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			
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>			
	<u>One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)</u>			
1	In walls	m2	58	
2	Under cills	m2	8	
	<u>One layer of 375 micron waterproof sheeting sealed at laps as per approval</u>			
3	Under surface beds	m2	148	
	<u>Two coats emulsion bitumen emulsion waterproof coating as per approval</u>			
4	On bagged brick walls	m2	32	
	<u>WATERPROOFING TO SHOWERS</u>			
	Carried Forward			R
	Bill No. 6 Waterproofing			

	Brought Forward			R
	<u>'RFK Sika Chemflex' or other equally approved waterproofing slurry, with and including 'Sika' membrane apply as per manufacturer's strict instructions:</u>			
5	On shower floors	m2	112	
6	On shower walls	m2	703	
	<u>JOINT SEALANTS, ETC.</u>			
	<u>silicone acrylic sealer</u>			
7	Around window and window frame at junction with brickwork, plaster or concrete	m	1,002	
	<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc. as per approval</u>			
8	12 x 12mm In horizontal expansion joints including raking out expansion joint filler as necessary	m	500	
	Carried to Summary			R
	Bill No. 6 Waterproofing			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>ROOF COVERING</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>SHEETING</u></p> <p>Safintra or other similar approved 0,50mm thick SAFLOK 700 Colorplus® AZ150 interlocking roof sheeting fixed to timber internal purlins at 2000mm, and ridge/eaves purlins at 1700mm centres using SAFLOK 700 clips which must be screw fixed to timber purlins with Fixtite® or Safintra approved wafer head self-tapping screws. The sheeting will be a double interlocking concealed fix SAFLOK 700 profile as manufactured by Safintra Roofing, roll formed in continuous lengths from certified G550 steel or aluminium 3004 H14. The profile shall be roll formed with 4 ribs and centres not exceeding 233mm and a cover width not exceeding 700mm. The male rib is to include spurs to ensure a double interlocking action with adjacent sheets. The minimum sheet depth will be 41mm. Two stiffening ribs are incorporated in each pan.</p> <p><u>MATERIAL AND FINISH FOR SAFLOK ROOF SHEETING</u></p> <p>ZincAL® AZ150 coated steel G550 with a ColorPLUS® colour coated finish to one side, colour (sample of colour to be approved on site) with a Cool Grey backing coat.</p> <p><u>FIXING SAFLOK</u></p> <p>The Saflok sheets shall be fixed to every purlin by means of patented SAFLOK 700 clips having spurs which will securely hold the sheets in position and lock-</p>			
	Carried Forward		R	
	Bill No. 7 Roof Coverings			

Brought Forward

in the sidelap and both centre ribs. The SAFLOK 700 clips shall be manufactured from Galvanized steel and shall be fixed with the appropriate self-drilling/tapping screws to timber or steel purlins (selection from installation manual) **OR** with ZAP no. 10x45mm Waferhead screws type 17 to timber purlins.

SAFLOK FLASHINGS

Flashings specifications shall be to the Safintra standards and fixed to the sheeting with S10 brackets or, Sliding brackets at apex where roof sheets are 30m or longer, to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from Global Roofing Solutions.

SAFETY

The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.

INSTALLATION

Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surfaces in order to prevent steel particles from penetrating coated surfaces.

HANDLING AND STORAGE

The contractor shall ensure that all materials used on site for roofing/cladding, be transported, handled and

Carried Forward

Bill No. 7
Roof Coverings

R

R

<p style="text-align: center;">Brought Forward</p> <p>stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.</p> <p><u>INSPECTION PRIOR TO INSTALLATION</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <ol style="list-style-type: none"> a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted. b. Purlins and girths are at the correct spacing and are within the specified tolerances. c. The corners of the roof are square and the wall framework is perpendicular or as specified. d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework. e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square. f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or, so dealt with that direct contact with the sheeting is avoided. g. The contact faces between the purlins or the girths and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding. <p><u>PROTRUSION THROUGH SHEETED SURFACES</u></p> <p>Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the</p>	<p>R</p>
<p style="text-align: center;">Carried Forward</p> <p>Bill No. 7 Roof Coverings</p>	<p>R</p>

	Brought Forward			R
	<p>sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugations.</p> <p><u>GUARANTEE</u></p> <p>The manufacturer shall comply with ISO 9001:2008 Quality Management System. SAFLOK 700 sheeting shall be laid in strict accordance with the manufacturer's specifications by a approved Safintra contractor. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.</p> <p>CLEANING OF ROOF, ETC.</p> <p>All debris, swarf, etc arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, off-cuts of insulation, surplus fasteners, sealants, mandrels from pop rivets, off-cuts of sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, down pipes, etc.</p> <p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p><u>0.50mm "Saflok 700 Colourplus" or other equally approved aluminium zinc (AZ 150) ribbed double interlocking roof sheeting in single lengths and accessories with "Colourplus" colour coated finish on one side, fixed to steel purlins in strict accordance with the manufacturer's recommendations</u></p>			
1	Roof covering with pitch not exceeding 25 degrees	m2	1,738	
	Carried Forward			R
	Bill No. 7 Roof Coverings			

Brought Forward			R
<u>Sundries</u>			
2	Gutter flashings 400mm girth	m	435
3	Head wall flashing 550mm girth	m	435
4	Side Wall flashing 660mm girth	m	33
5	Counter flashing	m	33
6	Flashing around 110mm vent pipe including circular cutting to roof sheeting (Vent pipe elsewhere measured)	No	13
7	Flashing around 500mm whirleybird including circular cutting to roof sheeting (Whirleybird elsewhere measured)	No	12
<u>PROFILED POLYCARBONATE SHEETING AND ACCESSORIES</u>			
<u>1.2mm "Saflok 700 Polycarbonate" or other equally approved Modek Polycarbonate sheet and of an Opal 50 colour permitting a light transmission of 50%, fixed to steel purlins in strict accordance with the manufacturer`s recommendations</u>			
8	Roof covering with pitch not exceeding 25 degrees	m2	417
<u>Sundries</u>			
9	Ridge capping 550mm girth	m	217
<u>ROOF INSULATION</u>			
<u>"Sisalation FR 430" heavy industrial grade aluminium foil based insulation</u>			
10	Insulation laid taut over purlins at 1200mm centres and fixed concurrent with roof covering, with stapled longitudinal flap joints including galvanised steel straining wires not exceeding 300mm centres and fixing at top and bottom edges to purlins with and including hoop iron straps.	m2	1,738
Carried to Summary			R
Bill No. 7 Roof Coverings			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 8</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Fixing</p> <p>Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete</p> <p>Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as 'bolted', the bolts have been given elsewhere</p> <p>Sample of all items to be provided for Architect's approval. Approved samples to remain in the sample room for the duration of the contract.</p> <p>All finishes to comply with SABS standards.</p> <p><u>EAVES, VERGES, ETC.</u></p> <p><u>"Everite" or other equally approved fibre-cement fascias and barge boards</u></p>			
1	80 x 275mm Angle section barge board, including galvanised steel H-profile joiners	m	435	
	<p><u>DOORS</u></p> <p><u>'TDM' or other equally approved solid timber door and hardwood edges all round, hung to timber frames (timber frames elsewhere measured)</u></p>			
2	40mm Single door 813 x 2082mm high.	No	63	
	Carried Forward			R
	Bill No. 8 Carpentry and Joinery			

Brought Forward			R
3	40mm Double door 1680 x 2082mm high with rebated edges and including viewing panel in each leaf	No	7
4	Extra over door 813 x 2032mm high overall for cutting and forming opening approximately 400 x 400mm high.	No	13
<u>FIRE DOORS</u>			
<u>"Bitcon" or other equally approved 2hr rated fire door hung to steel frames including hinges, locks, etc.</u>			
5	Class B single door 813 x 2465mm high hung to steel frames with galvanised mild steel face on both sides (D18).Tenderers are referred to Architect`s drawings annexured to these Bills of Quantities Drawing number 7.202 Rev 01-WIP for the full description of the door.	No	4
6	Class B double door 1613 x 2032mm high hung to steel frames with galvanised mild steel face on both sides (D7).Tenderers are referred to Architect`s drawings annexed to these Bills of Quantities Drawing number 070638 DOH-A-8050-0 for the full description of the door.	No	12
<u>FRAMED FRAMES, ETC.</u>			
<u>Wrought meranti</u>			
7	55 x 80mm Rebated frames, plugged	m	243
<u>TIMBER BENCHES</u>			
<u>The following in selected wrot meranti timber benches fixed to steel angle supports (Steel angle supports elsewhere measured)</u>			
8	100 x 30mm thick wrought balau bolted with stainless steel countersunk fixings onto brick walls (brick walls elsewhere measured)	m	442
<u>JOINERY, CUPBOARDS & WORKTOPS</u>			
Carried Forward			R
Bill No. 8 Carpentry and Joinery			

Brought Forward					
				R	
<u>Reception Area</u>					
9	Reception unit made of work top formed of 40mm formica work top with bull nose, white in colour, Overall size of work top is 4200mm long x 600mm wide. Work top with one end fixed on to wall bracket as per supplier recommendation. The other end and front of work top fixed on to white melamine uprise board. Front and side board formed of white melamine carcass, 1200mm high, edge strips to comply to SABS 540, to be mounted on to wall and floor as per supplier recommendation. Tenderer are required to refer to architect drawings for full details and specification prior to pricing.	No	2		
10	Floor unit made of work top formed of 40mm formica work top with bull nose, white in colour, and white melamine carcass with maple melamine for cupboard doors & drawer, edge strips to comply to SABS 540, complete with concealed hinges on all cupboard doors and 106 x 30mm pull handle chrome finish (code: TS2129MC), handle by "Roco" or similar approved. Unit to be fixed to floor and wall as per supplier recommendation. Overall size of the unit 3600mm long x 600mm wide x 900mm high. Unit comprises base, four (4) doors and two (2) drawer. Tenderer are required to refer to architect drawings for full details and specification prior to pricing.	No	2		
<u>Offices</u>					
11	Wall shelf unit made of white melamine carcass with vancouver maple melamine for cupboard doors, edge strips to comply to SABS 540, complete with concealed hinges on all cupboard doors and 106 x 30mm pull handle chrome finish (code: TS2129MC), handle by "Roco" or similar approved. Wall unit to be mounted on wall as per supplier recommendation. Overall size of the unit 1800mm long x 600mm wide x 800mm high. Unit comprises two (2) door and two (2) open shelf. Tenderer are required to refer to architect drawings for full details and specification prior to pricing.	No	2		
Carried Forward				R	
Bill No. 8 Carpentry and Joinery					

	Brought Forward			R
12	<p>Floor unit made of work top formed of 40mm formica work top with bull nose, white in colour, and white melamine carcass with vancouver maple melamine for cupboard doors & drawer, edge strips to comply to SABS 540, complete with concealed hinges on all cupboard doors and 106 x 30mm pull handle chrome finish (code: TS2129MC), handle by "Roco" or similar approved. Unit to be fixed to floor and wall as per supplier recommendation. Overall size of the the unit 1800mm long x 600mm wide x 900mm high. Unit comprises base, one (1) drawer. Tenderer are required to refer to architect drawings for full details and specification prior to pricing.</p>	No	2	
	<u>Security Room</u>			
13	<p>Wall shelf unit made of white melamine carcass with vancouver maple melamine for cupboard doors, edge strips to comply to SABS 540, complete with concealed hinges on all cupboard doors and 106 x 30mm pull handle chrome finish (code: TS2129MC), handle by "Roco" or similar approved. Wall unit to be mounted on wall as per supplier recommendation. Overall size of the unit 1800mm long x 600mm wide x 800mm high. Unit comprises two (2) door and two (2) open shelf. Tenderer are required to refer to architect drawings for full details and specification prior to pricing.</p>	No	2	
14	<p>Floor unit made of work top formed of 40mm formica work top with bull nose, white in colour, and white melamine carcass with vancouver maple melamine for cupboard doors & drawer, edge strips to comply to SABS 540, complete with concealed hinges on all cupboard doors and 106 x 30mm pull handle chrome finish (code: TS2129MC), handle by "Roco" or similar approved. Unit to be fixed to floor and wall as per supplier recommendation. Overall size of the the unit 1800mm long x 600mm wide x 900mm high. Unit comprises base, one (1) drawer. Tenderer are required to refer to architect drawings for full details and specification prior to pricing.</p>	No	2	
	Carried Forward			R
	<p>Bill No. 8 Carpentry and Joinery</p>			

	Brought Forward			R
	<u>Staff Kitchen</u>			
15	<p>Wall shelf unit made of white melamine carcass with vancouver maple melamine for cupboard doors, edge strips to comply to SABS 540, complete with concealed hinges on all cupboard doors and 106 x 30mm pull handle chrome finish (code: TS2129MC), handle by "Roco" or similar approved. Wall unit to be mounted on wall as per supplier recommendation. Overall size of the unit 1800mm long x 600mm wide x 800mm high. Unit comprises two (2) door and two (2) open shelf. Tenderer are required to refer to architect drawings for full details and specification prior to pricing.</p>	No	3	
16	<p>Floor unit made of work top formed of 40mm formica work top with bull nose, white in colour, and white melamine carcass with vancouver maple melamine for cupboard doors & drawer, edge strips to comply to SABS 540, complete with concealed hinges on all cupboard doors and 106 x 30mm pull handle chrome finish (code: TS2129MC), handle by "Roco" or similar approved. Unit to be fixed to floor and wall as per supplier recommendation. Overall size of the unit 2215mm long x 600mm wide x 900mm high. Unit comprises cut out for single / double bow sink drop in (sink supplied by others), base, three (3) doors and one (1) drawer. Tenderer are required to refer to architect drawings for full details and specification prior to pricing.</p>	No	3	
	Carried to Summary			R
	<p>Bill No. 8 Carpentry and Joinery</p>			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>CEILING PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades" , "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Proprietary suspended ceilings</p> <p>User Note - The following preamble to be included in the Bills of Quantities after confirmation of the basic design of the ceilings, lighting, air conditioning, etc.</p> <p>Hangers, suspension grids, lay-in panels, etc. are to be in accordance with the manufacturers' recommendations</p> <p>Electrical light fittings, diffusers, panels etc. are generally lay-in units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p> <p><u>SUSPENDED CEILING</u></p>			
	Carried Forward		R	
	Bill No. 9 Ceilings, Partitions and Access Flooring			

Brought Forward				R
<p><u>'OWAoustic(R)' or other equally approved constellation Premium biologically absorbable mineral wool ceiling tiles, NRC - 0.70 & CAC 33db, fire rating REI 180 (EN13501 - 2) size 1200 x 600 x 15mm with Square-edge and white painted finish, laid on fire rated OWAconstruct(R) system S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm and all installed to manufacturer's specification.</u></p>				
1	Ceilings suspended not exceeding 1m below structural steel trusses	m2	997	
2	Extra over for 1200 x 600mm Opening in ceiling for light fittings	No	173	
3	Extra over for 40mm Diameter opening in ceiling panels for light fittings, fire detection, etc.	No	60	
4	Extra over for 100mm diameter opening in ceiling panels for extraction	No	55	
<p><u>'OWA' or other equally approved 12.5mm Vinyl Faced Gypsum Ceiling Panels, face-covered with white embossed vinyl, size 1200 x 600mm, laid on fire rated Cliq system S3 exposed demountable suspension system including galvanised main tees, cross tees, etc., all suspended with galvanised hangers at centres not exceeding 1200mm and all installed to manufacturer's instructions.</u></p>				
5	Ceilings suspended not exceeding 1m below structural steel trusses	m2	571	
6	Extra over for 1200 x 600mm Opening in ceiling for light fittings	No	99	
7	Extra over for 40mm Diameter opening in ceiling panels for light fittings, fire detection, etc.	No	45	
8	Extra over for 100mm diameter opening in ceiling panels for extraction	No	40	
Carried Forward				R
<p>Bill No. 9 Ceilings, Partitions and Access Flooring</p>				

Brought Forward				R
<p><u>6mm Thick "Everite" or other equally approved fibre cement ceiling boards laid on fire rated Cliq system S3 exposed demountable suspension system including galvanised main tees, cross tees, etc., all suspended with galvanised hangers at centres not exceeding 1200mm and all installed to manufacturer's instructions.</u></p>				
9	Ceilings suspended not exceeding 1m below structural steel trusses	m2	347	
10	Extra over ceiling for 600 x 600mm trap door of 32 x 44mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No	4	
<p><u>Flush plastered gypsum plasterboard suspended bulkheads</u></p>				
11	Vertical bulkheads suspended not exceeding 1m below structural steel trusses	m2	122	
<p><u>Cornices to suspended ceilings:</u></p>				
12	47 x 35mm 'SM25' recessed shadowline cornice plugged (code LSM 25)	m	1,286	
Carried to Summary				R
<p>Bill No. 9 Ceilings, Partitions and Access Flooring</p>				

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 10</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Proprietary items</p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc. clarifying the features of the products/articles offered on request returnable samples are to be provided to the principal agent for consideration</p> <p>Finishes to ironmongery</p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>HINGES, BOLTS, ETC.</u></p> <p><u>Manufactured by 'Union' or other equally approved:</u></p>			
1	<p>Union 102 x 75 x 3mm Stainless steel two ball bearing butt hinge (Code: 8352-100SB)</p>	No 153		
	<p><u>LOCKSETS, ETC.</u></p>			
	Carried Forward		R	
	<p>Bill No. 10 Ironmongery</p>			

Brought Forward							
						R	
		<u>Manufactured by "Dormakaba" or other equally approved:</u>					
2	Cylinder Deadlock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. (D037D SS)	No	34				
3	Cylinder Sash Lock. Case dimensions (mm) 116.5H x 78D. Forend dimensions (mm) 168H x 22W. Backset 57mm. Centres 61mm. (D036S SS)	No	8				
4	Bathroom Deadlock. Case dimensions (mm) 102H x 78D. Forend dimensions (mm) 155H x 22W. Backset 57mm. (D032D SS)	No	43				
5	Disabled WC indicator (Red & White) and turnknob for physically impaired (DWC-006)	No	43				
6	Three point locking panic bar - Double door - Door leaf 1000mm wide x 2270mm high (2101. 2104. 2104. 2201. PHX02. PHX04) (Code: PHA3 S DD)	No	2				
7	43mm five pin Euro-profile Single Cylinder Grand Master Keyed (DSC104301 GMK)	No	7				
8	66mm five pin Euro-profile knob cylinder master keyed (Code: DKC106601 MK - 66mm)	No	35				
9	Round Cylinder escutcheon (DCE-002 S.S)	No	7				
		<u>HANDLES</u>					
		<u>Manufactured by "Dormakaba" or other equally approved:</u>					
10	DPH301C Pull Handle BT fixed on a 170 x 170 x 1.2mm thick Grade 430 stainless steel plate with cylinder cutout left. Stainless Steel Plate to have 4 countersunk holes for screw fixing. (DHP-430-CL-SF 170 X 170)	No	36				
11	DPH301C Pull Handle BT fixed on a 170 x 170 x 1.2mm thick Grade 430 stainless steel plate with cylinder cutout right. Stainless Steel Plate to have 4 countersunk holes for screw fixing. (DHP-430-CRSF 170 x 170)	No	36				
12	300 x 30mm Straight Tubular Pull Handle BT (DPH210 BT)	No	11				
		Carried Forward					
						R	
		Bill No. 10 Ironmongery					

Brought Forward			R
13	325 x 25mm Straight Tubular Pull Handle Flange Fixing (DPH301B)	No	4
14	Lever handle on 170 x 170mm plate with cylinder cutout (Code: TH120 BP Cyl S.S)	No	20
<u>PUSH PLATES AND KICK PLATES</u>			
<u>Manufactured by "Dormakaba" or other equally approved:</u>			
15	150 x 300 x 1.2mm thick Grade 430 stainless steel plate. Stainless Steel Plate to have 6 countersunk holes for screw fixing. (DPP-430-BL-SF 150X300)	No	11
16	300 x (width of door) x 1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 12 countersunk holes for screw fixing. (List price calculated on 813mm wide door) (DKP-430-SF 300)	No	26
<u>LETTERS, NAMEPLATES, ETC.</u>			
<u>Manufactured by "Dormakaba" or other equally approved:</u>			
17	150 x 150mm MALE sign (Code: DSS-130 M)	No	7
18	150 x 150mm FEMALE sign (Code: DSS-131 F)	No	7
19	150 x 150mm PARAPLEGIC sign	No	2
20	150 x 150mm TEA CUP sign (DSS-135 TC)	No	8
21	150 x 150mm SHOWER sign	No	9
<u>STATUTORY SIGNAGE</u>			
<u>Statutory signage to be SABS approved and photo luminescent, external signage to be UV rated</u>			
<u>Red and white single sided signage screwed fixed on to walls as per manufacturer's details</u>			
22	190 x 190mm Arrow sign	No	26
23	190 x 190mm Fire extinguisher sign	No	18
24	190 x 190mm Fire hose reel sign	No	10
Carried Forward			R
Bill No. 10 Ironmongery			

Brought Forward			R
25	190 x 190mm Fire hydrant sign	No	2
<u>Green and white single sided signage screwed fixed on to walls as per manufacturer's details</u>			
26	190 x 190mm Arrow sign	No	45
27	190 x 190mm Running man sign	No	27
28	300 x 200mm Fire exit keep clear sign	No	31
<u>DOOR CLOSURE</u>			
<u>Manufactured by "Dormakaba" or other equally approved:</u>			
29	NON HOLD OPEN Cam action slide channel door closer. Max door width 950mm. Closing Force EN 3. Hydraulic speed control. Pull-side door leaf fixing (Standard), Push-side transom fixing. Door closer compliant with EN 1154. Door closer is CERTI FIRE approved (Certificate No. CF 119) for door types ITT 120, MM/IMM 240. Certified manufacturer to ISO 9001 (TS91B - SL)	No	11
30	NON HOLD OPEN Co-ordinated door closer system for rebated doors between 1500-2200mm. Closing Force EN 2-4. Adjustable strength. Hydraulic speed control. Max door width 1100mm per leaf. Push-side fixing. (Angle bracket included). Door closer compliant with EN 1154. Door co-ordinators tested to EN 1158. Door closer is CERTI FIRE approved (Certificate No. CF 119) for door types ITT 120, MM/IMM 240. Certified manufacturer to ISO 9001. (TS92G G-SR BG + Angle Bracket)	No	2
31	EN 2-4 Parallel Arm DELAYED ACTION Door Closer. Push Side Fixing (Parallel Arm Bracket Included) EN2 750-850, EN3 850-950, EN4 950-1100 (TS73V PA DC - PAB - SL)	No	2
<u>BATHROOM FITTINGS</u>			
Carried Forward			R
Bill No. 10 Ironmongery			

Brought Forward		R
<u>Manufactured by 'Franke' or other equally approved:</u>		
32	Franke Stratos STRX 618E or similar approved 1.5mm thick Grade 304 18/10 stainless steel recessed soap dispensers (code:359705), size 128 x 147 x 632mm deep with a replaceable and refillable 1 litre container, cylinder lock with standard Franke key, plugged and screwed to wall with and including stainless steel screws.	No 47
33	Franke Stratos STRX 672E or similar approved 1.5mm thick Grade 304 18/10 stainless steel recessed toilet roll holders (Code 359721), size 304 x 156 x 140.7mm deep for 2 rolls maximum 108mm diameter with spindle system, cylinder lock with standard Franke key, plugged and screwed to wall with and including stainless steel screws.	No 43
34	Franke Stratos STRX 605 or similar approved 1.5mm thick Grade 304 18/10 stainless steel waste disposal bins (Code: 359730), size 300 x 270 x 520mm high, capacity of 34 litres, cylinder lock with standard Franke key, plugged and screwed to wall with and including stainless steel screws.	No 21
35	Franke Stratos STRX 611E or similar approved 1.5mm thick Grade 304 18/10 stainless steel recessed sanitary towel disposal bins (Code: 359741), size 304 x 205 x 134mm deep with capacity of 6 litres, plugged and screwed to wall with and including stainless steel screws.	No 11
36	Franke HF2400HD or similar approved 1.5mm thick Grade 304 18/10 stainless steel automatic hands free hand dryer (Code: 359961), size 284 x 202 x 248mm deep with 2 No. Vandal proof lock screws and key wrench, plugged and screwed to wall with and including stainless steel screws.	No 11
<u>"Bathroom Butler Series 4600" or other equally approved:</u>		
37	"Bathroom Butler Series 4600" or other equally approved single rail in polished grade 304 stainless steel finish (code: 4678POLS), overall size 1125 x 105 x 50mm, plugged and screwed to wall with stainless steel screws.	No 87
Carried Forward		R
Bill No. 10 Ironmongery		

	Brought Forward			R
38	"Bathroom Butler Series 4600" or other equally approved soap rack in polished grade 304 stainless steel finish (Code: 4630POLS), overall size 145 x 130 x 50mm, plugged and screwed to the wall with stainless steel screws.	No	87	
	<u>PARAPLEGIC FITTINGS</u>			
	<u>Paraplegic Fittings - Supplied by Chairman Industries or other equally approved:</u>			
39	32mm Serrated stainless steel rear grab rail fixed vertically next to seat (Code SR2)	No	2	
40	32mm Serrated stainless steel vertical wall grab rail at shower (Code SR1)	No	2	
41	32mm Serrated 90 degree angled stainless steel dog leg side grab rail angled to suite (Code DL3)	No	2	
	<u>SUNDRIES</u>			
	<u>Manufactured by 'QS Products' or other equally approved:</u>			
42	Floor mounted door stop (DDS-SS-017)	No	61	
43	Door mounted door stop	No	41	
44	Hat and Coat Hook with rubber buffer (DHC-SS-031B)	No	41	
45	Rebate kits, nickel plate (D038R)	No	17	
	Carried to Summary			R
	Bill No. 10 Ironmongery			

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 11</u></p> <p><u>STRUCTURAL STEEL</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item</p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers.</p> <p>Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include pending, threading, nuts and washers and embedding in concrete.</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete.</p> <p>Structural steelwork shall comply with the requirements of SABS 1200H and the relevant project specifications.</p>			
Carried Forward		R	
Bill No. 11 Structural Steel			

Brought Forward	R
<p><u>Corrosion Protection</u></p> <p>All steelwork</p> <p>a) Abrasive blast to Sa 2.5</p> <p>b) Galvanize to SABS 763 (Heavy Duty)</p> <p>c) Clean with Galvanized iron cleaner, treat galvanizing in such a way so that paint may be applied over it</p> <p>d) Apply 1 coat galvanizing primer - Inter guard 269 or equally</p> <p>e) Apply 2No. Coats re-coatable polyurethane - Interthane 900 or equal approved . Colour to Architect's specification.</p> <p>All hot rolled steelwork shall be grade 350W, all hollow tube steelwork shall be grade 300W and all cold formed steelwork shall be SANS 10162 Part 1 with a minimum yield stress of 200Mpa and a minimum tensile stress of 365Mpa unless noted otherwise.</p> <p>All fixing bolts for structural steelwork shall be M20 grade 8.8 unless otherwise noted, and is deemed included. Only chemical anchor bolts are to be measured as a measurable item.</p> <p>All welds shall be 6mm continuous fillet welds unless noted otherwise.</p> <p>When steelwork connects to structures, the steelwork contractor shall check all site dimensions and levels before fabrication and erection.</p> <p>No flame cutting or site welding shall be carried out without the written approval of the Engineer's.</p> <p>Shop drawings shall be submitted in duplicate to the Engineer's for approval before commencing any fabrication.</p> <p><u>Traceability of steel</u></p> <p>All steel to be marked with manufacturer's test certificate number to ensure full traceability and to facilitate re-use of the steel members.</p>	<p>R</p>
Carried Forward	R
<p>Bill No. 11 Structural Steel</p>	

	Brought Forward				
				R	
	<u>Marking steelwork</u>				
	Completed components shall be marked with a durable and distinguishing erection mark, section size, steel grade and manufacturer's test certificate number in such a way as not to damage the component. Marking shall be in a discrete location. Hard stamping may be used unless noted otherwise.				
	<u>Testing of welds</u>				
	10% of all fillet welds and 100% of butt welds to be subjected to non destructive testing.				
	Fabricate, supply, deliver and erect including shop and site painting as described.				
	<u>Note: All Structural steel work to trusses, girders, columns, etc. to be priced inclusive of Grade 8.8 galvanised bolts or other bolts as necessary</u>				
	<u>HOT DIPPED GALVANISED STEEL MEMBERS</u>				
	<u>Welded steel members in single lengths with connection plates, bolted to concrete</u>				
1	Various structural steel members	t	8.86		
	<u>SUNDRY STEELWORK</u>				
	<u>Sundry Steelwork</u>				
2	Cleats, plates, gussets, connectors, etc.	t	1.56		
	<u>PAINTWORK</u>				
	<u>Remove all grease and oil by washing with a water emulsifiable solvent degreaser and rinsing with potable water, dry abrasive blast to rear white metal in accordance with Sa 2.5 of the International Standard ISO 850-1 to obtain a surface profile of 25 - 75 microns and apply one coat Interguard 269 galvanizing primer and two coats Interthane 990 re-coatable polyurethane</u>				
3	On rafters, beams, purlins, columns, bracing, etc.	t	8.86		
4	On cleats, plates, gussets, connectors, etc.	t	1.56		
	Carried to Summary			R	
	Bill No. 11 Structural Steel				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>METALWORK</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.			
	<u>GALVANISED STEEL GATES, SCREENS, ETC.</u>			
	<u>Hot dipped galvanised steel gates</u>			
1	Single gate size 900 x 2100mm high with 30 x 30 x 4mm mild steel frame with beading to secure mesh as approved by architect. All steel to be painted with Hammer Rites as per finishing schedule. Tenderers are required to refer to Architect's drawing for full details and specification prior to pricing.	No	21	
2	Single gate size 1700 x 2100mm high with 30 x 30 x 4mm mild steel frame with beading to secure mesh as approved by architect. All steel to be painted with Hammer Rites as per finishing schedule. Tenderers are required to refer to Architect's drawing for full details and specification prior to pricing.	No	16	
	<u>HOT DIPPED GALVANISED STEEL BURGLAR BARS</u>			
	<u>50 x 50mm Hot dipped galvanised vertical bars with rounded ends and polished edges and fixed to wall with 10mm diameter counter sunk expansion bolts through 19mm diameter steel pipe spacers with bolt heads securely epoxy fixed to frame. 19mm Diameter hot dipped galvanised steel pipes equally spaced and welded to vertical flat bars.</u>			
3	Burglar bar size 860mm diameter. Tenderers are referred to Architects drawings annexed to these Bills of Quantities	No	39	
	Carried Forward			R
	Bill No. 12 Metalwork			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward		R
4	Burglar bar size 1500mm diameter. Tenderers are referred to Architects drawings annexed to these Bills of Quantities	No 4
5	Burglar bar size 600 x 600mm high. Tenderers are referred to Architects drawings annexed to these Bills of Quantities	No 4
6	Burglar bar size 600 x 1500mm high. Tenderers are referred to Architects drawings annexed to these Bills of Quantities	No 15
7	Burglar bar size 840 x 1090mm high. Tenderers are referred to Architects drawings annexed to these Bills of Quantities	No 4
8	Burglar bar size 900 x 1255mm high. Tenderers are referred to Architects drawings annexed to these Bills of Quantities	No 13
9	Burglar bar size 1380 x 1020mm high. Tenderers are referred to Architects drawings annexed to these Bills of Quantities	No 1
10	Burglar bar size 1700 x 1255mm high. Tenderers are referred to Architects drawings annexed to these Bills of Quantities	No 10
11	Burglar bar size 4000 x 600mm high. Tenderers are referred to Architects drawings annexed to these Bills of Quantities	No 2
<u>ALUMINIUM WINDOWS, DOORS, SHOPFRONTS, ETC.</u>		
<u>Aluminium window complete with subframes, ironmongery, glass, sealing, etc., and fixing to brickwork or concrete or steel</u>		
<u>Glazing thickness in accordance with table 1 of SANS 10400 Part 'N'</u>		
12	Purpose made 'natural anodised' powder coated aluminium window including opening panel, all glazing with 6.38mm Low-E glazing, overall size 600 x 600mm high. Tenderers are referred to Architect's drawings annexed to these Bills of Quantities	No 2
Carried Forward		R
Bill No. 12 Metalwork		

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward		R
13	Purpose made 'natural anodised' powder coated aluminium window including opening panel, all glazing with 6.38mm Low-E glazing, overall size 600 x 1500mm high. Tenderers are referred to Architect's drawings annexed to these Bills of Quantities	4
14	Purpose made 'natural anodised' powder coated aluminium window including opening panel, all glazing with 6.38mm Low-E glazing, overall size 840 x 1090mm high. Tenderers are referred to Architect's drawings annexed to these Bills of Quantities	4
15	Purpose made 'natural anodised' powder coated aluminium window including opening panel, all glazing with 6.38mm Low-E glazing, overall size 1380 x 1020mm high. Tenderers are referred to Architect's drawings annexed to these Bills of Quantities	1
16	Purpose made 'natural anodised' powder coated aluminium window including opening panel, all glazing with 6.38mm Low-E glazing, overall size 1750 x 950mm high. Tenderers are referred to Architect's drawings annexed to these Bills of Quantities	8
17	Purpose made 'natural anodised' powder coated aluminium window including opening panel, all glazing with 6.38mm Low-E glazing, overall size 1785 x 935mm high. Tenderers are referred to Architect's drawings annexed to these Bills of Quantities	4
18	Purpose made 'natural anodised' powder coated aluminium window including opening panel, all glazing with 6.38mm Low-E glazing, overall size 4000 x 600mm high. Tenderers are referred to Architect's drawings annexed to these Bills of Quantities	2
<u>ANODISED ALUMINIUM LOUVRE UNITS</u>		
<u>'Trox' or other equally approved natural anodised louvre units screwed into wooden door</u>		
19	Type AGS-T size 400mm wide x 400mm high	13
Carried Forward		R
Bill No. 12 Metalwork		

Brought Forward		R
<u>Aluminium louvres complete with subframes, sealing, etc., and fixing to brickwork or concrete or steel</u>		
20	Purpose made 'natural anodised' powder coated aluminium louvres including fixed panel, overall size 1500mm diameter. Tenderers are referred to Architect's drawings annexed to these Bills of Quantities	No 4
21	Purpose made 'natural anodised' powder coated aluminium louvres including fixed panel, overall size 1750 x 280mm high. Tenderers are referred to Architect's drawings annexed to these Bills of Quantities	No 124
22	Purpose made 'natural anodised' powder coated aluminium louvres including fixed panel, overall size 1750 x 950mm high. Tenderers are referred to Architect's drawings annexed to these Bills of Quantities	No 189
<u>SHOWER DOORS</u>		
<u>"CTM" or other equally approved CrystalTech Inline White Adjustable Pivot Shower Door - CTE805 - 1000 to 1200 x 1850mm</u>		
23	Adjustable pivot door size - 1000 to 1200 x 1850mm	No 87
<u>FENCING AND GATES AT CORRIDOR</u>		
<u>'ClearVu' or other equally approved</u>		
24	Single gate size 1000 x 2070mm formed of hot dipped galvanised outer frame and mullions as necessary and fill in with 'ClearVu Mesh' installed complete as per manufacturer's instructions	No 4
25	Marine fusion bonded galvanized mesh panels with widths not exceeding 3297mm wide and height of 2070mm high bolted to 2070mm high tapered locking posts welded to plate and brackets, plate chemical anchored onto existing concrete floors, brackets chemical anchored onto exiting brick walls / steel columns all in accordance to manufacturer's details.	m 19
<u>STEEL LOCKERS</u>		
Carried Forward		R
Bill No. 12 Metalwork		

	Brought Forward				
	<p><u>Steel double compartment stacked lockers (Code: LO10), epoxy powder coated with flush fitting doors, for padlock. To comply with BS EN ISO 9001-2000 requirements. Colour, admiral grey.</u></p>			R	
26	300 x 450 x 1800mm high steel lockers	No	120		
	<p><u>STEEL SHELVES</u></p> <p><u>Single rivet high density shelving decked with steel decking, epoxy powder coated, all in accordance to Prasa specification (Code: P04)</u></p>				
27	1200 x 400 x 1875mm high steel sheaving with six (6) decking	No	12		
	Carried to Summary			R	
	Bill No. 12 Metalwork				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 13</u>			
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Method			
	The method to be used shall be either the monolithic method or the bonded method			
	Laying			
	Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels			
	Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels			
	After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated			
	<u>SCREEDS (Note: FM II Finish to Screed)</u>			
	<u>Screeds wood floated, on concrete</u>			
1	30mm Thick on floors	m2	1,424	
2	Average 30mm Thick on floors	m2	97	
	Carried Forward			R
	Bill No. 13 Plastering			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 14</u>			
	<u>TILING</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Fixing</u>			
	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.			
	Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for tiling key-coat.			
	Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the Tal Professional range of products as recommended by the manufacturer.			
	<u>WALL TILING</u>			
	<u>200 x 200 x 6mm Matt white "Samca MWC4" or other equally approved glazed ceramic tiles fixed with an adhesive to plastered walls (plaster elsewhere measured) and flush pointed with waterproofing jointing compound to match tile colour</u>			
1	On walls	m2	188	
2	On narrow widths	m2	14	
3	Extra over tiling for circular cutting around piping not exceeding 50mm diameter	No	32	
	Carried Forward			R
	Bill No. 14 Tiling			

Brought Forward			R
4	Extra over tiling for circular cutting around piping not exceeding 100mm diameter	No	16
	<u>'Union Tiles' or other equally approved 300 x 600mm full bodied porcelain tiles (Code: SE20 A 600AH) with 3mm grouting fixed with 'Tal Goldstar 6' and Tal Bond" tile adhesive to plastered walls (plaster elsewhere measured) and flush pointed with "Tal Wall or Floor" anti-bacterial grout in accordance with the manufacturer's instruction.</u>		
5	On walls (Black)	m2	928
6	On narrow widths	m2	84
7	Extra over tiling for circular cutting around piping not exceeding 50mm diameter	No	436
8	Extra over tiling for circular cutting around piping not exceeding 100mm diameter	No	75
9	Extra over tiling for circular cutting around piping not exceeding 150mm diameter	No	43
	<u>'Union Tiles' or other equally approved 300 x 600mm full bodied porcelain tiles (Code: SE SPA 6100 3x6 AH) with 3mm grouting fixed with "'Tal Goldstar 6' and Tal Bond" tile adhesive to plastered walls (plaster elsewhere measured) and flush pointed with "Tal Wall or Floor" anti-bacterial grout in accordance with the manufacturer's instruction.</u>		
10	On walls (Ivory)	m2	928
11	On narrow widths	m2	84
	<u>FLOOR TILING</u>		
	<u>'Union Tiles' or other equally approved 600 x 600mm R10 slip rated full bodied porcelain floor (Code: SEZZ6879N) tiles with 3mm grouting fixed with "'Tal Goldstar 6' and Tal Bond" tile adhesive to screeded / wood floated / power floated floors (screeds, wood floated or power floated elsewhere measured) and flush pointed with "Tal Floor" anti-bacterial grout in accordance with the manufacturer's instruction.</u>		
12	On floors (Light grey)	m2	1,042
Carried Forward			R
Bill No. 14 Tiling			

Brought Forward			R
	<u>'Union Tiles' or other equally approved 600 x 600mm R10 slip rated full bodied porcelain floor (Code: SEZZ6876N) tiles with 3mm grouting fixed with "'Tal Goldstar 6' and Tal Bond" tile adhesive to screeded / wood floated / power floated floors (screeds, wood floated or power floated elsewhere measured) and flush pointed with "Tal Floor" anti-bacterial grout in accordance with the manufacturer's instruction.</u>		
13	On floors (Dark grey)	m2	261
14	300mm High skirting	m	650
	<u>'Union Tiles' or other equally approved 300 x 300mm terrazzo non-slip floor tiles (Code: ADMB34LAV SL300) with 5mm grouting fixed with "'Tal Goldstar 6' and Tal Bond" tile adhesive to screeded / wood floated / power floated floors (screeds, wood floated or power floated elsewhere measured) and flush pointed with "Tal Floor" anti-bacterial grout in accordance with the manufacturer's instruction.</u>		
15	On floors (Charcoal grey)	m2	121
16	300mm High skirting	m	93
	<u>"Union" or other equally approved dark grey unglazed mosaic tiles (Code: SKU547) fixed with "Sika" or other equally approved waterproof adhesive to screeded floors (screed elsewhere measured) and flush pointed with "Tal Floor" anti-bacterial grout in accordance with the manufacturers instruction:</u>		
17	On floors	m2	97
	<u>SUNDRIES</u>		
	<u>"Genesis" or other equally approved edge trims:</u>		
18	21 x 10mm aluminium straight edge trim (Code: ESA 100.80)	m	2,383
	<u>"Genesis" or other equally approved movement joints:</u>		
19	Aluminium heavy duty movement joint (Code: GFAM5027.35)	m	108
	Carried Forward		R
	Bill No. 14 Tiling		

Item No		Quantity	Rate	Amount
	<u>BILL NO. 15</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.			
	<u>RAINWATER DISPOSAL</u>			
	<u>1.6mm Gauge aluminium gutter box</u>			
1	250 x 200mm High purpose made box gutter	m	435	
2	Extra over gutter box for stop end	No	8	
3	Extra over gutter box for 110mm outlet	No	86	
	<u>"Marley" or other equally approved uPVC downpipes</u>			
4	110mm Diameter rainwater pipe	m	286	
5	Extra over 110mm rainwater pipe for bend	No	88	
6	Extra over 110mm rainwater pipe for coupling	No	44	
	<u>SANITARY FITTINGS</u>			
	<u>WC</u>			
7	"Vaal Sanitaryware" or other equally approved vitreous china Parktown 90 degree outlet top inlet or back inlet flush valve (code: 431600) and double flap plastic seat	No	41	
8	"Grohe" or other equally approved 25mm diameter chrome flush valve for wc (code: 37609) for concealed installation with push button actuator, 1.2 - 5.0 bar flow pressure, flow rate adjustment, including 25mm supply pipe, stop valve, flush pipe and 300mm extension pipe to wc.	No	41	
	Carried Forward			R
	Bill No. 15 Plumbing and Drainage			

Brought Forward							
						R	
<u>Wash Hand Basin</u>							
9	"Vaal Sanitaryware" or other equally approved Iceberg Vitreous china drop-in vanity basin colour White (Code: 7034), size 420 x 420mm fitted into opening in granite vanity top (vanity top elsewhere measured) and sealed with silicone sealant where basin rim meets vanity top.	No	55				
10	"Idral" or other equally approved water save self-closing push button pillar tap, non-hold cold water supply only, chrome finish, (code: 08212) with flow time of 6 - 9 secs.	No	55				
11	GH angle valve bau 15x15mm	No	110				
12	303-32 Basin waste	No	55				
13	ISM Gio bottle trap CP 32mm	No	55				
<u>WC (Paraplegic)</u>							
14	"Whyte House" or other equally approved paraplegic WC (code: 025134) with back inlet flush valve & double flap plastic seat.	No	2				
15	"Grohe" or other equally approved 25mm diameter chrome flush valve for wc (code: 37609) for concealed installation with push button actuator, 1.2 - 5.0 bar flow pressure, flow rate adjustment, including 25mm supply pipe, stop valve, flush pipe and 300mm extension pipe to wc.	No	2				
<u>Wash Hand Basin (Paraplegic)</u>							
16	"Vaal Sanitaryware" or other equally approved hibiscus vitreous china lavatory basin colour white (code: 7023), size 510 x 405mm with one tap hole including integrated overflow and chain stay hole bolted to wall with two x 10mm bolts (code: 8448Z0) and including universal half pedestal with hanger springs (code: 715221) and sealed with silicone sealant where basin meets wall.	No	2				
17	"Cobra" or other equally approved medical elbow action pillar tap with high waist, chrome finish, manufactured in accordance with SANS 226 Type 2.	No	2				
Carried Forward						R	
Bill No. 15 Plumbing and Drainage							

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
18	GH angle valve 15x10mm	No	4
19	303-32 Basin waste	No	2
20	ISM Gio bottle trap CP 32mm	No	2
<u>Urinals</u>			
21	"Vaal Sanitaryware" or other equally approved 565 x 275 x 310mm sweetpea white vitreous china wall mounted back inlet urinal (code: 705127) including 38mm chromium plated domical grating (code: 8787z0) and chromium plated back inlet spreader (code: 7054z2), flush valve, flush pipe and fittings (by others), fixed on and including two hanger brackets (code: 8127z0).	No	18
22	"Walcro" or other equally approved 15mm Ø BSP built-in sleeve, DZR brass urinal flush valve (code: 155UW) with internal flow control, strainer and no-hold feature for single bowl urinal.	No	18
<u>Kitchen Sink - Double Bowl</u>			
23	"Franke" or other equally approved Projectline Model PLN621 stainless steel double end bowl inset sink (Code: 821048), overall size 1160 x 460mm wide with two 340 x 370 x 152mm deep bowls, fitted onto cupboard (cupboard elsewhere measured) including clear silicon, 38mm waste fitting and PVC traps (traps elsewhere measured).	No	3
24	"Cobra Watertech Noka" or other equally approved 15mm chrome plated deck mounted sink mixer with overarm swivel outlet and adjustable flanges (code: NA-970), manufactured in accordance with SANS 226:2004 Type 1 (BS 5412).	No	3
25	GH angle valve bau 15x10mm	No	6
26	32 x 40mm Butyl rubber "P" or "S" trap jointed to waste outlet fitting and uPVC pipe including clamps	No	3
Carried Forward			R
Bill No. 15 Plumbing and Drainage			

Brought Forward							
						R	
<u>Existing Catering Sink</u>							
27	"Cobra Watertech Ledimo" or other equally approved 15mm chrome plated wall mounted sink mixer with overarm swivel outlet and adjustable wall flanges and concealed connections (code: LO-266-041-10), manufactured in accordance with SANS 226:2004 Type 2 (BS 5412).	No	15				
28	32 x 40mm Butyl rubber "P" or "S" trap jointed to waste outlet fitting and uPVC pipe including clamps	No	15				
<u>Wash Trough</u>							
29	"Franke" or other equally approved 0,8mm Grade 430 17/0 stainless steel ET102 fabricated double wash trough (Code: 320200), size 1030 x 430 x 300mm deep with two bowls, wash ridges and 40mm waste outlet, fixed to walls with fixing lugs and anchor bolts	No	6				
30	"Cobra Watertech" or other equally approved 20mm standard brass hose bibtap (code: 108-20) with wing nut, lining and 20mm hose union, manufactured in accordance with SANS 226:2009 Type 1 (BS 1010).	No	12				
31	32 x 40mm Butyl rubber "P" or "S" trap jointed to waste outlet fitting and uPVC pipe including clamps	No	6				
<u>Showers</u>							
32	"Cobra Watertech Noka" or other equally approved 15mm chrome plated wall mounted under wall mixer (code: NA-956), manufactured in accordance with SANS 226:2004 Type 2 (BS 5412).	No	87				
33	"Franke Aquajet- Slimline Aqua 750" or other equally approved stainless steel shower head (code: 359747) with plastic jet face with calcification system and pluggable connection spigot.	No	87				
Carried Forward						R	
Bill No. 15 Plumbing and Drainage							

Brought Forward							
34	"Cobra Watertech" or other equally approved 40mm rough brass shower p trap (code: 373SQ) with shallow seal and chrome plated square grating.						
		No	87				R
<u>Floor Drains</u>							
35	"Seaqual" or other equally approved floor drain size 250x250 x 75mm deep with grating to suite and with 100mm diameter outlet and set in position and installed as per manufacturer's instructions						
		No	24				
<u>TAPS, VALVES, ETC.</u>							
Taps, valves, etc. jointed to copper pipes are to include brass connectors, adaptors etc. Installation and fixings to be as per manufacturers specifications and SANS 1808-9 compliant.							
36	15mm Ball-O- stop valves	No	22				
37	22mm Ball-O- stop valves	No	28				
38	28mm Ball-O- stop valves	No	8				
39	32mm Ball-O- stop valves	No	10				
40	42mm Ball-O- stop valves	No	4				
<u>SANITARY PLUMBING</u>							
<u>uPVC pipes cast into concrete slabs, fixed to soffit and walls, or chased into walls, chased into concrete, etc. in accordance with manufacturers specifications</u>							
41	50mm Pipes	m	578				
42	110mm Pipes	m	354				
<u>Extra over uPVC pipes for:</u>							
43	50mm Bend	No	656				
44	50mm Access bend	No	232				
Carried Forward							R
Bill No. 15 Plumbing and Drainage							

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
45	50mm Junction	No	192
46	50mm Access junction	No	48
47	110mm Bend	No	92
48	110mm Access bend	No	92
49	110mm Access junction	No	14
50	110mm Double access junction	No	12
51	110 x 50mm Access junction	No	40
52	110mm Pan connector	No	43
53	110mm Two way vent valve	No	13
54	110mm Coupling	No	15
<u>DOMESTIC WATER SUPPLIES</u>			
<u>Geberit Mepla or other equally approved pipes fixed to soffit and walls, or chased into walls, chased into concrete, etc. in accordance with manufacturers specifications:</u>			
All piping embedded into concrete or chased into walls to be twice wrapped in strong approved building paper.			
Rates for surface mounted copper pipe shall be deemed to include all fixtures and fittings for pipes fixed to walls, in chases, and in ceilings.			
55	16mm Pipes	m	1,640
56	20mm Pipes	m	562
57	26mm Pipes	m	112
58	32mm Pipes	m	328
59	40mm Pipes	m	144
Carried Forward			R
Bill No. 15 Plumbing and Drainage			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

		Brought Forward		R
		<u>Extra over Mepla or other equally approved pipes for fittings:</u>		
60	15mm Fittings	No	1,360	
61	22mm Fittings	No	444	
62	26mm Elbow	No	14	
63	26 x 20mm Tees	No	66	
64	26mm Reducer	No	14	
65	32mm Elbow	No	80	
66	32 x 20mm Tees	No	212	
67	32mm Reducer	No	20	
68	40mm Elbow	No	52	
69	40 x 20mm Tees	No	4	
70	40 x 32mm Tees	No	8	
71	40mm Reducer	No	8	
		<u>Extra over Mepla or other equally approved pipes for brass compression fittings:</u>		
72	15mm Flexible service pipe 300mm girth	No	161	
73	15mm Wall plate elbow	No	633	
74	22mm Wall plate elbow	No	61	
75	22mm Coupling	No	17	
76	42mm Coupling	No	2	
		<u>PIPE INSULATION</u>		
		<u>Thermaflox snap on sectional pipe insulation, neatly cut around pipe as required</u>		
77	Insulation to 16mm diameter piping and couplings including working around fittings	m	802	
		Carried Forward		R
Bill No. 15 Plumbing and Drainage				

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

	Brought Forward			R
78	Insulation to 20mm diameter piping and couplings including working around fittings	m	84	
79	Insulation to 26mm diameter piping and couplings including working around fittings	m	58	
80	Insulation to 32mm diameter piping and couplings including working around fittings	m	210	
<u>ELECTRIC WATER HEATERS</u>				
<u>Water heaters and accessories:</u>				
81	10 Litre "Hydroboil" or other equally approved over sink electric water heater	No	10	
82	'Kwikot' or other equally approved 200 litre high pressure (EF100-2D) hot water heater and hoist and fix vertical on walls including fixing to wall mounting brackets, draincock, vacuum breaker, multi pressure control, isolator, expansion relief valve, safety valve, water overflow pipe including fittings, necessary fixing accessories and two connections for 22mm copper pipes including connectors (electrical connection by Electrician).	No	3	
<u>TESTING</u>				
83	Allow for testing the whole of the Stormwater drainage, Sewer drainage, Plumbing, Water and Fire supplies and all fittings to the satisfaction of the Architect, Engineer and Local Authorities. All defective work is to be taken out and replaced at the contractor's expense and the whole re-tested until acceptable		Item	
<u>AS-BUILT DRAWINGS</u>				
84	Provide a full set of as-built drawings on completion of the installation		Item	
<u>BUDGETARY ALLOWANCE</u>				
Carried Forward				R
Bill No. 15 Plumbing and Drainage				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 16</u>			
	<u>ELECTRICAL WORK</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.			
	<u>ELECTRICAL WORK</u>			
	Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
	<u>Electrical Installation Complete</u>			
1	Allow a budgetary amount of R3,320,000.00 (Three Million, Three Hundred and Twenty Thousand Rand) for Electrical Installation complete.	Item		
2	Profit and Attendance	Item		
	Carried to Summary		R	
	Bill No. 16 Electrical Work			

Item No		Quantity	Rate		Amount
	<u>BILL NO. 17</u>				
	<u>MECHANICAL WORK</u>				
	<u>PREAMBLES</u>				
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item				
	<u>Budgetary Allowance</u>				
	Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances				
1	Provide the sum of R20,000.00 (Twenty Thousand Rand) for servicing of existing air-conditioning units	Item			
2	Provide the sum of R80,000.00 (Eighty Thousand Rand) for air-conditioning split units	Item			
3	Provide the sum of R150,000.00 (One Hundred and Fifty Thousand Rand) for air extraction and ventilation	Item			
	Carried to Summary			R	
	Bill No. 17 Mechanical Work				

Item No		Quantity	Rate	Amount
	<u>BILL NO. 18</u>			
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	The descriptions given to various items below are not necessarily full and complete and reference must be made to the "Standard Preambles to all Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each schedule item			
	<u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u>			
	<u>6mm Silvered float glass copper backed mirrors with 10mm bevelled and polished edges, holed for and fixed with four number chromium plated domed capped mirror screws with rubber buffers to plugs in brickwork or concrete:</u>			
1	Mirror 600 x 600mm high	No	57	
	<u>GLAZING TO PRECAST CONCRETE WITH PUTTY</u>			
	<u>6.38mm clear float glass</u>			
2	Panes exceeding 0,5m2 and not exceeding 2,0m2	m2	22	
3	Extra over glazing for cutting circular on plan, approximate 860mm diameter	No	39	
	Carried to Summary			R
	Bill No. 18 Glazing			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 19</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.</p> <p><u>PAINT SPECIFICATIONS</u></p> <p>Painting, etc.</p> <p>All painting shall be done in accordance with SANS specifications unless otherwise described</p> <p><u>COLOURS</u></p> <p>Colours, etc.</p> <p>Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091</p> <p><u>PAINTWORK, ETC. TO PREVIOUSLY PAINTED SURFACES</u></p> <p><u>ON EXTERNAL FLOATED PLASTER SURFACES</u></p> <p><u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved alkali resistant primer and two coats "Micatex" emulsion paint for exterior use</u></p>			
1	On walls	m2	153	
	<p><u>ON INTERNAL FLOATED PLASTER SURFACES</u></p>			
	Carried Forward			R
	Bill No. 19 Paintwork			

Brought Forward				R
<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved Primer (PP700) and two coats "Velvagro" water based paint for interior use</u>				
2	On walls	m2	2,951	
3	On narrow widths	m2	130	
<u>ON WOOD SURFACES</u>				
<u>Prepare and sand down existing surfaces and apply two coats "Plascon" or other equally approved woodcare ultra vanish</u>				
4	On louvres	m2	63	
<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>				
5	On louvres	m2	14	
<u>ON METAL SURFACES</u>				
<u>Prepare and sand down existing surfaces and apply "Plascon" or other equally approved one coat red oxideon primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>				
6	On door frames, etc.	m2	75	
7	On post, etc.	m2	200	
8	On portal frames, etc.	m2	651	
9	On metal panels, etc.	m2	201	
10	On gate	m2	15	
11	On burglar guard	m2	2	
<u>ON EXISTING CONCRETE FLOOR SURFACES</u>				
Carried Forward				R
Bill No. 19 Paintwork				

Brought Forward				R
	<u>Prepare floors including all necessary degreasing, patching, grinding and sanding, prime with 'Flowshield Primer' and apply 4-6mm thick self levelling 'Flowshield' or other equally approved epoxy</u>			
12	On floors	m2	371	
13	75mm High Skirting	m	305	
<u>PAINTWORK, ETC. TO NEW SURFACES</u>				
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
<u>"Plascon" or other equally approved Primer (PP700) and two coats "Velvagro" water based paint for interior use</u>				
14	On walls	m2	392	
15	On narrow widths	m2	29	
<u>ON WOOD SURFACES</u>				
<u>"Plascon" or other equally approved primer, one coat alkyd based universal undercoat and two coats professional gloss enamel paint</u>				
16	On doors	m2	375	
17	On door frames, etc.	m2	68	
<u>"Plascon" or other equally approved two coats woodcare ultra vanish</u>				
18	On benches	m2	115	
<u>ON METAL SURFACES</u>				
<u>One coat calcium plumbate primer on:</u>				
19	Backs of galvanised steel door frames before fixing	m2	46	
Carried Forward				R
Bill No. 19 Paintwork				

	Brought Forward			R
	<u>"Plascon" or other equally approved one coat red oxide primer, one coat alkyd based universal undercoat and two coats professional gloss enamel (PBS 1000) paint</u>			
20	On door frames, etc.	m2	46	
21	On gate	m2	194	
22	On burglar guard	m2	180	
	<u>ON PLASTERBOARD SURFACES</u>			
	<u>"Plascon" or other equally approved gypsum and plaster primer (PP700) and two coats professional super matt (PEM 900/TSA) for interior use</u>			
23	On bulkhead	m2	122	
	<u>ON FIBRE-CEMENT BOARD SURFACES</u>			
	<u>"Plascon" or other equally approved gypsum and plaster primer (PP700) and two coats professional super matt (PEM 900/TSA) for interior use</u>			
24	On ceilings	m2	347	
	<u>"Plascon" or other equally approved alkali resistant primer and two coats "Nu-Roof" emulsion paint for exterior use</u>			
25	On barge boards	m2	157	
	Carried to Summary			R
	Bill No. 19 Paintwork			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 20</u>			
	<u>EXTERNAL WORKS (ALL TRADES)</u>			
	<u>PREAMBLES</u>			
	The descriptions given in the various items below are not necessarily full and complete and reference must be made to the "Standard Preambles To All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirements of each scheduled item			
	<u>SITE CLEARANCE</u>			
1	Allow for clearing the area of the site to be built upon of all grass, weeds, shrubs, trees with trunks not exceeding 200mm girth, debris, etc., including grubbing up all roots, scoffling up as required and cart away all vegetation and debris.	m2	2,563	
	<u>STORMWATER DRAINAGE</u>			
	<u>Alterations</u>			
2	Carefully remove damaged cast iron grating cover, approximate size 450 x 450mm, and prepare surfaces to receive new (New elsewhere measured)	No	4	
3	Carefully remove damaged cast iron grating cover, approximate size 500 x 650mm, and prepare surfaces to receive new (New elsewhere measured)	No	2	
4	Carefully remove and set aside existing cast iron grating cover, approximate size 450 x 450mm and prepare surfaces to be re-instated (Re-instating elsewhere measured)	No	40	
5	Existing stormwater manhole to be pressure clean or jetting and debris to be removed from manhole, not exceeding 1,5m deep.	No	44	
6	Pressure clean or jetting existing stormwater line	m	475	
	Carried Forward			R
	Bill No. 20 External Work			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward		R
<u>Re-instate existing cover</u>		
7	Take from store and re-instate existing 450 x 450mm cast iron stormwater grating cover and welded to existing frames	No 40
<u>Covers, etc.</u>		
8	450 x 450mm Heavy duty cast iron stormwater grating and frame and welded to existing frames	No 4
9	500 x 650mm Heavy duty cast iron stormwater grating and frame, welded to existing frames	No 2
<u>Heavy duty uPVC class 34 pipes in class C bedding:</u>		
10	110mm Pipes vertically or ramped to cleaning eyes, etc. (no excavation)	m 88
11	110mm Pipes laid in and including trenches not exceeding 1m deep	m 264
<u>Extra over Class 34 uPVC Pipes for fittings:</u>		
12	110mm Bend	No 88
<u>Alterations to existing manholes, etc.:</u>		
13	Break through brick wall situated on side of manhole for and connect up new 110mm uPVC pipe (elsewhere measured) and make good all round including new channels, benching, etc.	No 88
<u>Saw cut, breaking up and removing 150mm thick concrete surface beds including reducing ground by 150mm deep</u>		
14	Concrete walkway	m2 158
<u>SEWER DRAINAGE</u>		
15	Pressure clean or jetting existing sewer line	m 475
<u>Heavy duty uPVC class 34 pipes in class C bedding:</u>		
16	110mm Pipes vertically or ramped to cleaning eyes, etc. (no excavation)	m 44
Carried Forward		R
Bill No. 20 External Work		

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward			R
17	110mm Pipes laid in and including trenches not exceeding 1m deep	m	106
18	160mm Pipes laid in and including trenches not exceeding 1m deep	m	58
19	160mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	86
<u>Extra over class 34 uPVC pipes for fittings:</u>			
20	110mm Bend	No	96
21	160mm Bend	No	16
22	160 x 110mm Access junction	No	52
23	110mm Rodding eye	No	8
<u>Manholes, etc.:</u>			
24	Precast concrete manhole rings (SABS 1294) size internally 1000mm diameter not exceeding 1000mm deep internally including excavation, risk of collapse, working space, hoisting in position, backfilling with selected excavated material, cart away surplus material, shoring, step irons, benching and haunching.	No	4
25	Precast concrete manhole rings (SABS 1294) size internally 1000mm diameter, exceeding 1.50m and not exceeding 1.75m deep internally including excavation, risk of collapse, working space, hoisting in position, backfilling with selected excavated material, cart away surplus material, shoring, step irons, benching and haunching.	No	4
<u>Gratings, covers, etc.:</u>			
26	1130mm diameter precast heavy duty cover slab and lid	No	8
<u>Alterations to existing manholes etc.:</u>			
27	Break through precast concrete situated on side of manhole for and connect up new 110mm uPVC pipe (elsewhere measured) and make good all round including new channels, benching, etc.	No	2
Carried Forward			R
Bill No. 20 External Work			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Brought Forward		R
28	Break through precast concrete situated on side of manhole for and connect up new 160mm uPVC pipe (elsewhere measured) and make good all round including new channels, benching, etc.	No 2
<u>Saw cut, breaking up and removing 150mm thick concrete surface beds including reducing ground by 150mm deep</u>		
29	Concrete walkway	m2 150
<u>WALKWAY</u>		
<u>Alterations</u>		
<u>Taking out/off and removing sundry metalwork</u>		
30	Carefully take out and remove 1000mm high steel balustrade with and including stanchions embedded in concrete at approximately 1000mm centres and prepare surfaces to receive new (new elsewhere measured)	m 19
<u>Raking out existing expansion joints and prepare to receive new (new elsewhere measured)</u>		
31	Expansion joints in floors, approximate size 12 x 12mm	m 599
<u>Saw cut, breaking up and removing 150mm thick concrete surface beds including reducing ground by 150mm deep</u>		
32	Concrete walkway in patches	m2 175
<u>Earthworks</u>		
<u>Excavation other than bulk</u>		
33	Excavate to reduce levels for sub-base not exceeding 2m deep.	m3 121
34	Extra over all excavations for loading, carting and dumping surplus excavated material to a dumping site to be found by the Contractor	m3 121
Carried Forward		R
Bill No. 20 External Work		

Brought Forward			R
35	Restrictive compaction of ground surfaces, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% mod AASHTO density	m2	483
36	150mm Thick layer of G5 sub-base course under platforms, etc., with selected and natural G5 quality material, supplied and carted onto site by the contractor, compacted in layers of 150mm thickness to at least 95% Mod. AASHTO density.	m3	72
37	Keeping excavations free of all water other than subterranean water		Item
38	brand of weed killer applied by a registered pest control company under roads, parking and paving.	m2	483
39	Allow for the execution of all the prescribed density tests on filling, etc., as pointed out by the Engineer on site to the approval of the Principal Agent.		Item
<u>Concrete, Formwork and Reinforcement</u>			
<u>25MPa/19mm concrete</u>			
40	Surface beds on waterproofing	m3	48
<u>Test cubes</u>			
41	Making and testing set of three 150 x 150 x 150mm concrete strength test cube (Provisional)	No	8
<u>Finishing top surfaces of concrete smooth with a wood float</u>			
42	Surface beds, slabs, etc.	m2	483
<u>Expansion joints with 12mm bitumen impregnated softboard between vertical concrete surfaces, including necessary formwork</u>			
43	12mm Joints not exceeding 300mm high	m	473
<u>Fabric reinforcement</u>			
44	Type ref. 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	483
Carried Forward			R
Bill No. 20 External Work			

Brought Forward			R
<u>Waterproofing</u>			
<u>One layer of 375 micron "Consol Plastics" or other equally approved waterproof sheeting sealed at laps</u>			
45	Under surface beds	m2	483
<u>"Sika" or other equally approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.</u>			
46	12 x 12mm In horizontal expansion joints including raking out expansion joint filler as necessary	m	1,072
<u>Metalwork</u>			
<u>Standard ball type steel balustrades</u>			
47	Standard ball type handrail and post fixed on 100 x 100 x 8mm thick base plate with 4 No. M10 chemical anchors fixed to concrete floors. Fischer M10 (8.8) galvanised H.D. anchor studs (with embedment length 220mm) with fischer FIS-V-360 chemical mortar or similar approved chemical anchors with 'ETA' (european technical approval)	m	294
48	Extra over for 90 degree bend	No	29
Carried to Summary			R
Bill No. 20 External Work			

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 21</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><u>PREAMBLES</u></p> <p>The descriptions given in the various items below are not necessary full and complete and reference must be made to the "Standard Preambles to All Trades", "Supplementary Preambles" and "Supplementary Specifications" to this contract for the full requirement of each schedule item.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>General</p> <p>Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances</p> <p>Prime cost amounts and provisional sums are net.</p> <p>The Contractor must note that attendance includes the provision of hoisting and access facilities for a sub-contractor.</p> <p>The Contractors profit and attendance shall include for the storage of such equipment and materials.</p> <p>The Contractor must ensure that the capacities of his hoisting equipment is sufficient to deal with the masses and the quantities of the items hoisted.</p> <p>Provide the necessary personnel to operate such hoisting and access equipment.</p> <p>Prime cost amounts include for delivery to site of all articles concerned Provisional sums are for material and equipment supplied and installed complete by firms of specialists</p> <p><u>PROVISIONAL SUMS FOR NOMINATED/SELECTED SUBCONTRACT WORKS</u></p>			
	Carried Forward		R	
	Bill No. 21 Provisional Sums			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

	Brought Forward		R	
	<u>Signage</u>			
1	Provide the sum of R100,000.00 (One Hundred Thousand Rand) for signage	Item		
2	Profit	Item		
3	Attendance	Item		
	<u>Temporary Accommodation</u>			
4	Provide the sum of R500,000.00 (Five Hundred Thousand Rand) for temporary accommodation	Item		
5	Profit	Item		
6	Attendance	Item		
	Carried to Summary		R	
	Bill No. 21 Provisional Sums			

**Alteration and Addition Works
Durban Cleaners Depot (Section B & C)**

Bill No	<u>FINAL SUMMARY</u>	Page No	Amount
1	Preliminaries and General	38	
2	Alterations	50	
3	Concrete, Formwork and Reinforcement	53	
4	Precast Concrete	54	
5	Masonry	57	
6	Waterproofing	59	
7	Roof Coverings	64	
8	Carpentry and Joinery	69	
9	Ceilings, Partitions and Access Flooring	72	
10	Ironmongery	78	
11	Structural Steel	81	
12	Metalwork	86	
13	Plastering	88	
14	Tiling	92	
15	Plumbing and Drainage	101	
16	Electrical Work	102	
17	Mechanical Work	103	
18	Glazing	104	
19	Paintwork	108	
20	External works	114	
21	Provisional Sums	116	
	Sub - Total		R
	Add: Contingency (10%)		R
	Carried Forward		R

Bill No	<u>FINAL SUMMARY</u>	Page No		Amount
	Brought Forward			R
	Sub-Total			R
	Value Added Tax (15%)			R
	Carried to Form of Tender			R