

Item No	Quantity	Rate	Amount
<p><b><u>BILL NO. 1</u></b> <b><u>PRELIMINARIES</u></b></p> <p><b><u>Disclaimer</u></b></p> <p><i>While the ASAQS aims to ensure that its publications represent best practice, the ASAQS does not accept or assume any liability or responsibility for any events or consequences which derive from the use of the Preliminaries Model Bill. Such Model Bill is not exhaustive and is therefore only intended to provide general guidance to those who wish to make use of it. This publication is provided "as is" without warranty of any kind, either expressed or implied including but without limitation to warranties of merchantability, fitness for a particular purpose and non-infringement</i></p> <p><b><u>User note</u></b></p> <p><i>Delete the above "Disclaimer" when preparing this Bill No. 1 for tender or contract purposes</i></p> <p><i>Hereinafter edit all text, etc but even more specifically text within "...?" to ensure that such text applies to the specific building agreement</i></p> <p><b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b></p> <p>The <b>JBCC</b> Minor Works Agreement (Edition 5.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The <b>JBCC</b> Minor Works Agreement <b>contract data</b> form an integral part of this <b>agreement</b></p> <p>The <b>JBCC</b> General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the <b>JBCC</b> Minor Works Agreement (Edition 5.2 - May 2018) shall be deemed to be incorporated in these <b>bills of quantities</b>, amended as hereinafter described</p> <p>The <b>contractor</b> is deemed to have referred to the above-mentioned documents for the full intent and meaning of each clause</p>			
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The clauses in the above-mentioned documents are hereinafter referred to by clause number and heading only

Where any item is not relevant to this **agreement** such item is marked N/A signifying "not applicable"

Where standard clauses or alternatives are not entirely applicable to this **agreement** such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents

**PREAMBLES FOR TRADES**

User note

*The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. **Where such preambles are not applicable** (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications*

*Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same*

*The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future*

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The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these **bills of quantities** and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained

Supplementary preambles and/or specifications are incorporated in these **bills of quantities** to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles

The **contractor's** prices for all items throughout these **bills of quantities** shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications

**STRUCTURE OF THIS PRELIMINARIES BILL**

Section A : A recital of the headings of the individual clauses in the aforementioned **JBCC** Minor Works Agreement

Section B : A recital of the headings of the individual clauses in the aforementioned **JBCC** General Preliminaries

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

**PRICING OF PRELIMINARIES**

Should the **contractor** select Option A in the **contract data** for the adjustment of **preliminaries**, the amounts entered against the relevant items in these **preliminaries** are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)

**SECTION A: MINOR WORKS AGREEMENT**

**Interpretation (A1-A7)**

1 Clause 1.0 - Definitions and interpretation

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**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**

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

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

**Abbreviated descriptions**

The items in these **bills of quantities** utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the **contractor** shall, before submission of his tender, call for a written directive from the **principal agent**, failing which it shall be assumed that the **contractor** has allowed in his pricing for materials and workmanship in terms of international best practice

**Legal status of contractor**

If the **contractor** constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:

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1. These persons are deemed to be jointly and severally liable to the **employer** for the performance of this **agreement**
2. These persons shall notify the **employer** of their leader who has assigned authority to bind the **contractor** and each of these persons
3. The **contractor** shall not alter its composition or legal status without the prior written consent of the **employer**

F:..... V:.....  
T:.....

Item

2 Clause 2.0 - **Law**, regulations and **notices**

User note

**NHBRC levies**

The **employer** shall allow for and pay any levies required by the National Home Builders Registration Council (NHBRC). The **contractor** warrants that he is registered and will maintain registration with the NHBRC for the duration of this **agreement** [2.1]

F:..... V:.....  
T:.....

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3 Clause 3.0 - Offer, acceptance and assignment

F:..... V:.....  
T:.....

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4 Clause 4.0 - Documents

**Value Added Tax**

Provision is made in the summary page of these **bills of quantities** for the inclusion of Value Added Tax (VAT)

**Priced document as specification**

Clause 4.3 is deemed to be deleted

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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 ?

User note

**Electronic issue of drawings**

All drawings for this project will be issued both hard copies and electronically and the **contractor** shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [4.5] ?

F:..... V:.....  
T:.....

5 **Clause 5.0 - Employer's agents**

User note

*Delegated authority may be dealt with in B 5.0 of the contract data. Insert in the contract data "Refer to the Project Specific Preliminaries" should it be dealt with in this Project Specific Preliminaries*

**Delegated authority**

The authority of the **principal agent** to issue **contract instructions** [14.1] and perform duties for specific aspects of the **works** is delegated to **agents** as follows [5.2]. This does not preclude the **principal agent** from issuing such **contract instructions**: ?

User note

*The delegated authority for the architect (ie duties and contract instructions) is stated hereunder. Delete if not applicable. Add other consultants as may be necessary*

1. Architect

*Note that the contract instructions are selected from those listed in clause 14.1 of the JBCC MWA*

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1.1 Duties [5.2] :

The architect is responsible for the architectural design, functional design and quality inspection of the **works**

1.2 **Contract instructions** [5.2; 14.1] :

1.2.1 Rectification of discrepancies, errors in description or quantity or omissions of items in this **agreement** other than in the **JBCC Minor Works Agreement**

1.2.2 Alteration to design, quality or quantity of the **works** provided that such **contract instructions** shall not substantially change the scope of the **works**

1.2.3 The **site** [12.0]

1.2.4 Compliance with the **law**, regulations and bylaws [2.1]

1.2.5 Provision and testing of samples of **materials and goods** and/or finishes or assemblies of elements of the **works**

1.2.6 Opening up of work for inspection, removal or re-execution

1.2.7 Removal or re-execution of work

1.2.8 Removal or substitution of any **materials and goods**

1.2.9 Protection of the **works**

1.2.10 Making good physical loss and repairing damage to the **works** [17.2.2]

1.2.11 Rectification of **defects** [16.4; 16.8]

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1.2.12 A **list for practical completion** specifying outstanding or defective work to be rectified to achieve **practical completion** and a **list for completion** and a **list for final completion** specifying outstanding or defective work to be rectified to achieve **final completion**

1.2.13 Expenditure of **employer allowances** and/or **prime cost amounts**

1.2.14 Work by **direct contractors** [13.0]

1.2.15 On suspension or termination, protection of the **works**, removal of **construction equipment** and surplus **materials and goods** [21.6.1] ?

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T:.....

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2. Quantity surveyor

2.1 Duties [6.2] :

The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the **works**

2.2 **Contract instructions** [6.2; 17.1] :

2.2.1 No **contract instructions** delegated to the quantity surveyor

3. Civil and structural engineer

*Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA*

3.1 Duties [6.2] :

The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the **works**

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- 3.2 **Contract instructions** [6.2; 17.1] :
- 3.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the **agreement** other than in the **JBCC** Principal Building Agreement
- 3.2.2 Alteration to design, standards or quantity of the **works** provided that such **contract instructions** shall not substantially change the scope of the **works**
- 3.2.3 The **site** [13.0]
- 3.2.4 Compliance with the **law**, regulations and bylaws [2.1]
- 3.2.5 Provision and testing of samples of **materials and goods** and/or of finishes and assemblies of elements of the **works**
- 3.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
- 3.2.7 Removal or re-execution of work
- 3.2.8 Removal or substitution of any **materials and goods**
- 3.2.9 Protection of the **works**
- 3.2.10 Making good physical loss and repairing damage to the **works** [23.2.2]
- 3.2.11 Rectification of **defects** [21.2]
- 3.2.12 A **list for practical completion** specifying outstanding or defective work to be rectified to achieve **practical completion**, a **list for completion** and a **list for final completion** specifying outstanding or defective work to be rectified to achieve **final completion**
- 3.2.13 Expenditure of **budgetary allowances, prime cost amounts** and **provisional sums**

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4. Mechanical engineer

*Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA*

4.1 Duties [6.2] :

The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the **works** and, where appointed by the **employer** for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions

4.2 **Contract instructions** [6.2; 17.1] :

- 4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the **agreement** other than in the **JBCC** Principal Building Agreement
- 4.2.2 Alteration to design, standards or quantity of the **works** provided that such **contract instructions** shall not substantially change the scope of the **works**
- 4.2.3 Compliance with the **law**, regulations and bylaws [2.1]
- 4.2.4 Provision and testing of samples of **materials and goods** and/or of finishes and assemblies of elements of the **works**
- 4.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
- 4.2.6 Removal or re-execution of work
- 4.2.7 Removal or substitution of any **materials and goods**
- 4.2.8 Protection of the **works**
- 4.2.9 Making good physical loss and repairing damage to the **works** [23.2.2]

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- 4.2.10 Rectification of **defects** [21.2]
- 4.2.11 A **list for practical completion** specifying outstanding or defective work to be rectified to achieve **practical completion**, a **list for completion** and a **list for final completion** specifying outstanding or defective work to be rectified to achieve **final completion**
- 4.2.12 Expenditure of **budgetary allowances, prime cost amounts** and **provisional sums**

5. Electrical engineer

*Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA*

5.1 Duties [6.2] :

The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the **works** and, where appointed by the **employer** for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions

5.2 **Contract instructions** [6.2; 17.1] :

- 5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the **agreement** other than in the **JBCC** Principal Building Agreement
- 5.2.2 Alteration to design, standards or quantity of the **works** provided that such **contract instructions** shall not substantially change the scope of the **works**
- 5.2.3 Compliance with the **law**, regulations and bylaws [2.1]
- 5.2.4 Provision and testing of samples of **materials and goods** and/or of finishes and assemblies of elements of the **works**

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ORBIT TVET COLLEGE  
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- 5.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]
- 5.2.6 Removal or re-execution of work
- 5.2.7 Removal or substitution of any **materials and goods**
- 5.2.8 Protection of the **works**
- 5.2.9 Making good physical loss and repairing damage to the **works** [23.2.2]
- 5.2.10 Rectification of **defects** [21.2]
- 5.2.11 A **list for practical completion** specifying outstanding or defective work to be rectified to achieve **practical completion**, a **list for completion** and a **list for final completion** specifying outstanding or defective work to be rectified to achieve **final completion**
- 5.2.12 Expenditure of **budgetary allowances, prime cost amounts** and **provisional sums**

6 Clause 6.0 - **Principal Agent**

F:..... V:.....  
T:.....

Item

7 Clause 7.0 - Design responsibility

F:..... V:.....  
T:.....

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**Insurances and securities (A8-A9)**

8 Clause 8.0 - Risks, indemnities and insurances

F:..... V:.....  
 T:.....

Item

9 Clause 9.0 - **Securities**

User note

*If it is deemed advisable, the extent of any guarantee for payment may be stated and whether it is required of the contractor to waive his lien. Edit the following clause:*

**Guarantee for payment**

The **employer** shall provide to the **contractor** a **guarantee for payment** in the amount of ?.....Rand (R.....) ? The **contractor** shall consequently waive his lien or right of continuing possession of the **works** [9.2] ?

User note

*Where it is expected of the contractor to waive his lien in terms of clause 9.2, the waiver of lien may be extended to subcontracts as follows:*

**Extension of waiver of lien**

The **contractor** shall ensure that a waiver of lien or right of continuing possession of the **works** 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 [9.2] ?

F:..... V:.....  
 T:.....

Item

**Execution (A10 - A14)**

10 Clause 10.0 - Obligations of the **employer**

F:..... V:.....  
 T:.....

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11 Clause 11.0 - Obligations of the **contractor**

F:..... V:.....  
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**Office accommodation**

The **contractor** shall provide, maintain and remove on **practical completion** air conditioned office accommodation with suitable tables and chairs for meetings to be held on the **site**. Such offices shall be kept clean and fit for use at all times [11.2.5] ?

**Notice board**

The **contractor** shall erect in a position approved by the **principal agent**, maintain and remove on **practical completion** a notice board recommended by the South African Institute of Architects and as approved by the **principal agent** listing the names and logos of the **employer**, the **contractor** and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the **principal agent** for such notice boards to be erected [11.2.5] ?

**Statutory and other notices**

The **contractor** shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the **works** by the **contractor**. The **contractor** shall pay all deposits or fees in this regard

It is, however, specifically recorded that the **employer** shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto

F:..... V:.....  
T:.....

Item

12 Clause 12.0 - Setting out

F:..... V:.....  
T:.....

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13 Clause 13.0 - **Direct contractors**

**Attendance on direct contractors**

In respect of **direct contractors** the **contractor** shall:

1. Designate an area for the **direct contractor** to establish a temporary office and workshop and storage of equipment and materials
2. Allow the use of personnel welfare facilities, where provided
3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation
4. Permit the **direct contractor** to use erected scaffolding, hoisting facilities, etc provided by the **contractor**, in common with others having the like right, while it remains erected on the **site** [13.1]

F:..... V:.....  
T:.....

Item

14 Clause 14.0 - **Contract instructions**

**? Site instructions**

Instructions issued on **site** are to be recorded in a site instruction book which is to be supplied and maintained on **site** by the **contractor** ?

F:..... V:.....  
T:.....

Item

**Completion (A15 - A18)**

15 Clause 15.0 - **Practical completion**

F:..... V:.....  
T:.....

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16 Clause 16.0 - **Defects** liability period and **final completion**

F:..... V:.....  
T:.....

Item

17 Clause 17.0 - Revision of the date for **practical completion**

**Substitution of materials and goods**

The removal or substitution of any **materials and goods** which do not conform to the specification or the **contract drawings** shall not constitute grounds for the extension of the **construction period** nor for the adjustment of the **contract value** [14.1.8; 17.1 & 2]

F:..... V:.....  
T:.....

Item

18 Clause 18.0 - **Penalty** for late or non-completion

F:..... V:.....  
T:.....

Item

**Payment (A19 - A20)**

19 Clause 19.0 - Payment

**Prices submitted**

Where prices are submitted by the **contractor** or **subcontractor** during the progress of the **works** in respect of **contract instructions** or in regard to a claim under the terms of this **agreement** and notwithstanding the fact that such prices may be used in an interim **payment certificate**, there is to be no presumption of acceptance. Should the **principal agent** wish to accept any such prices prior to the issue of the **certificate of final completion**, it shall be in writing

F:..... V:.....  
T:.....

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20 Clause 20.0 - Adjustment of the **contract value** and **final account**

**Cost of claims**

All costs incurred by the **contractor** in the preparation of claims shall be borne by the **contractor**. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this **agreement** [22.5 & 6] from making a determination on costs

F:..... V:.....  
 T:.....

Item

**Suspension or termination (A21)**

21 Clause 21.0 - Suspension or termination

F:..... V:.....  
 T:.....

Item

**Dispute resolution (A22)**

22 Clause 22.0 - Dispute resolution

F:..... V:.....  
 T:.....

Item

23 **Agreement**

The required information of the **parties** and the amount of the **contract sum** shall be inserted in the **agreement** for signature of the **agreement** by the **parties**

F:..... V:.....  
 T:.....

Item

24 **Contract data**

User note

*Insert under the above heading, with suitable sub-headings, any amendments, modifications, corrections or supplements to the contract data*

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**Tenderer's selections**

Before submission of his tender the **contractor** is to complete the tenderer's selections in the **contract data**

**User note**

*All information for the above requires consultation with the contractor. The principal agent should not pre-select any of the alternatives available to the contractor*

F:..... V:.....  
T:.....

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**SECTION B: GENERAL PRELIMINARIES**

**User note**

*Amendments, modifications, corrections or supplements to the General Preliminaries in Section B should be recorded in the contract data*

*Should it be necessary to expand on any of the General Preliminaries clauses, the user should list the appropriate General Preliminary clause number and heading and insert the relevant provision under a suitable heading in bold as may be necessary*

**Definitions and interpretation (B1)**

25 Clause 1.1 - Definitions

F:..... V:.....  
T:.....

Item

26 Clause 1.2 - Interpretation

F:..... V:.....  
T:.....

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**Documents (B2)**

27 Clause 2.1 - Checking of documents

F:..... V:.....  
T:.....

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28 Clause 2.2 - Provisional **bills of quantities**

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	F:..... V:..... T:.....			
29	Clause 2.3 - Availability of <b>construction information</b>		Item	
	F:..... V:..... T:.....		Item	
30	Clause 2.4 - Ordering of <b>materials and goods</b>			
	F:..... V:..... T:.....		Item	
	<b><u>Previous work and adjoining properties (B3)</u></b>			
31	Clause 3.1 - Previous work - dimensional accuracy			
	F:..... V:..... T:.....		Item	
32	Clause 3.2 - Previous work - <b>defects</b>			
	F:..... V:..... T:.....		Item	
33	Clause 3.3 - Inspection of adjoining properties			
	F:..... V:..... T:.....		Item	
	<b><u>The site (B4)</u></b>			
34	Clause 4.1 - Handover of <b>site</b> in stages			
	F:..... V:..... T:.....		Item	
35	Clause 4.2 - Enclosure of the <b>works</b>		Item	
	<b><u>User note</u></b>			
	<i>Describe any specific hoarding requirements, other than already described in clause 4.2 or in the contract data</i>			
	F:..... V:..... T:.....			
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36 Clause 4.3 - Geotechnical and other investigations

F:..... V:.....  
T:.....

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37 Clause 4.4 - Encroachments

F:..... V:.....  
T:.....

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38 Clause 4.5 - Existing premises occupied

F:..... V:.....  
T:.....

Item

39 Clause 4.6 - Services - known

F:..... V:.....  
T:.....

Item

**Management of contract (B5)**

40 Clause 5.1 - Management of the **works**

F:..... V:.....  
T:.....

Item

41 Clause 5.2 - Progress meetings

F:..... V:.....  
T:.....

Item

42 Clause 5.3 - Technical meetings

F:..... V:.....  
T:.....

Item

**Samples, shop drawings and manufacturer's instructions (B6)**

43 Clause 6.1 - Samples of materials

F:..... V:.....  
T:.....

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44	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	
45	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	
46	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
<b><u>Deposits and fees (B7)</u></b>			
47	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item	
<b><u>Temporary services (B8)</u></b>			
48	Clause 8.1 - Water F:..... V:..... T:.....	Item	
49	Clause 8.2 - Electricity F:..... V:..... T:.....	Item	
50	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Item	
51	Clause 8.4 - Communication facilities F:..... V:..... T:.....	Item	
<b><u>Prime cost amounts (B9)</u></b>			
52	Clause 9.1 - Responsibility for <b>prime cost amounts</b>		
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	<u>User note</u>			
	<p><i>Where details of materials included in prime cost amounts <u>are not</u> readily available and it is therefore not possible for the contractor to price for waste, the relevant prime cost amount shall be inserted in the bills of quantities as a lump sum with the contractor being given the opportunity to separately price his overheads and profit and for taking delivery, etc as called for in this clause 9.1 of the preliminaries. In such case the fixing only or installation only of the relevant materials shall be provisionally measured for the contractor to price and shall be re-measured upon completion</i></p> <p><i>Where details of materials for which prime cost amounts are to be allowed <u>are</u> readily available, the quantity surveyor may elect to insert the relevant prime cost amounts in measured items, which measured items shall contain sufficient detail for the contractor to price for fixing and installation, waste, etc</i></p> <p>F:..... V:..... T:.....</p>			
	<b><u>Attendance on subcontractors (B10)</u></b>			
53	Clause 10.1 - General attendance			N/A
54	Clause 10.2 - Special attendance			N/A
	<b><u>General (B11)</u></b>			
55	Clause 11.1 - Protection of the <b>works</b>			
	F:..... V:..... T:.....		Item	
56	Clause 11.2 - Protection/isolation of existing <b>works</b> and <b>works</b> occupied in <b>sections</b>			
	F:..... V:..... T:.....		Item	
57	Clause 11.3 - Security of the <b>works</b>			
	F:..... V:..... T:.....		Item	
	<b>Carried to Collection</b>			
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				R

58 Clause 11.4 - Notice before covering work

F:..... V:.....  
 T:.....

Item

59 Clause 11.5 - Disturbance

User note

*The following clause may be used should "disturbance" [11.5] need to be extended*

**Disturbance**

? All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the **construction period** or **contract value** whatsoever ?

F:..... V:..... T:.....

Item

60 Clause 11.6 - Environmental disturbance

**Controlling all forms of pollution**

The **contractor** shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the **site** during the **construction period** due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc

The **contractor** is to ensure that all roads which border the **site** and are used by the **contractor** during the execution of the **works** are kept clean and free of any dirt or debris caused by the execution of the **works** ?

User note

*Insert the following clause if an environmental management plan (EMP) is available and insert the EMP in an annexure*

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**Environmental management plan**

The **employer** has prepared an environmental management plan (EMP) (refer to Annexure ? for a copy of the relevant plan). The **contractor** shall price opposite this item for compliance with all the requirements of such EMP ?

F:..... V:..... T:.....

61 Clause 11.7 - **Works** cleaning and clearing

F:..... V:.....  
T:.....

62 Clause 11.8 - Vermin

F:..... V:.....  
T:.....

63 Clause 11.9 - Overhand work

F:..... V:.....  
T:.....

64 Clause 11.10 - Tenant installations

F:..... V:.....  
T:.....

65 Clause 11.11 - Advertising

F:..... V:.....  
T:.....

Item

Item

Item

Item

Item

Item

**SECTION C: SPECIFIC PRELIMINARIES**

User note

*Users shall avoid inserting in Section C items which may be construed as amending, modifying, correcting or supplementing the provisions of the JBCC Minor Works Agreement. Such amendments, modifications, corrections or supplements should be kept to the absolute minimum and should be inserted in Section A under the recited clause headings of the JBCC Minor Works Agreement in this Bill No. 1*

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*Selected examples of typical clauses are provided to indicate ways of describing such clauses. Users must delete, adapt or add to these examples to suit their particular circumstances*

66 Warranties for materials and workmanship

Where warranties for materials and/or workmanship are called for, the **contractor** shall obtain a written warranty, addressed to the **employer**, from the entity supplying the materials and/or executing the work and shall deliver same to the **principal agent** on **final completion** of the contract

The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of **practical completion** and that any **defects** that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written **notice** to do so

The warranty will not be enforced if the work is damaged by **defects** in the execution of the **works**, in which case the responsibility for replacement shall rest entirely with the **contractor**

F:..... V:.....  
T:.....

Item

67 Overtime

Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the **contractor** unless the **principal agent** has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the **employer**

F:..... V:..... T:.....

Item

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68 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 **contract value** does not exceed the budget

F:..... V:..... T:.....

Item

69 Overloading

The **contractor** shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the **works** or temporary works eg scaffolding, etc. The **contractor** shall submit details of his proposed loading, storage, plant erection, etc to the **principal agent** for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the **principal agent's** requirements in connection with the provision of temporary support work, etc. Any damage caused to the **works** by overloading shall be made good by the **contractor** at his sole expense

F:..... V:..... T:.....

Item

70 Propping of floors below

The **contractor** is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of **materials and goods** and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the **principal agent** and the cost thereof shall be borne by the **contractor**

F:..... V:..... T:.....

Item

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71 Testing of flat roof waterproofing for watertightness

Flat roof waterproof areas shall be flooded and kept "ponded" for at least forty eight (48) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing

F:..... V:..... T:.....

**User note**

*Insert the following where a health and safety specification is not yet available. Note that there is an obligation on the employer to ensure that the contractor has priced opposite this item for the compliance with the act and the regulations and the reasonable provisions of the health and safety specification*

72 Health and safety

Without limiting the generality of the provisions of clause 2.0, the **contractor's** attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is 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]

**User note**

*Insert the following where a health and safety specification is available. Note that there is an obligation on the employer to ensure that the contractor has priced opposite this item for the compliance with the act and the regulations and the reasonable provisions of the health and safety specification*

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Health and safety

Without limiting the generality of the provisions of clause 2.0, the **contractor's** attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the **employer** shall prepare a documented health and safety specification for the **works** (refer to Annexure ? for a copy of the relevant specification) 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 provisions of the aforementioned health and safety specification [2.1]

The **contractor** shall:

1. Comply with the health and safety specification for the **works**
2. Prepare and agree with the health and safety consultant the health and safety plan for the **works**
3. Cooperate with the health and safety consultant in all respects
4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification
5. Conform to the conditions contained in the **employer's** health and safety specification

F:..... V:.....  
T:.....

Item

73 Green star building certification

User note

*Insert the provisions called for by the relevant green star consultant should it be a requirement that the project be submitted for green star certification*

F:..... V:..... T:.....

Item

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74	<p>Broad based black economic empowerment (BBBEE)</p> <p>Tenders submitted will be evaluated taking into account their empowerment rating</p> <p>The <b>employer</b> will be monitoring the broad based black economic empowerment (BBBEE) status of the <b>contractor</b> throughout the execution of the <b>works</b></p> <p>The <b>contractor</b> is to submit to the <b>principal agent</b> on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating</p> <p>F:..... V:..... T:.....</p>	Item		
75	<p>Advertising rights</p> <p>The <b>employer</b> may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The <b>contractor</b> shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the <b>principal agent</b> so as not to hinder the <b>contractor</b> in meeting his obligations under this <b>agreement</b></p> <p>F:..... V:..... T:.....</p>	Item		
76	<p>Confidentiality</p> <p>The <b>contractor</b> 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 <b>works</b></p> <p>No information regarding this project shall be published or disclosed without the prior written consent of the <b>employer</b></p> <p>F:..... V:..... T:.....</p>	Item		
<b>Carried to Collection</b>			R	
<p>Section No. 1 Bill No. 1 Preliminaries &amp; Generals</p>				

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77 Media releases

All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the **employer**

The **contractor** together with his subcontractors shall not, without the prior written consent of the **employer**, cause any statement or advertisement connected with this project to be printed, screened or aired by the media

F:..... V:..... T:.....

**SUMMARY OF CATEGORIES**

Category : Fixed R.....

Category : Value R.....

Category : Time R.....

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	<p><b><u>SECTION 2</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>ALTERATIONS</u></b></p> <p><u>User note</u></p> <p><i>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions</i></p> <p><i>Take note that these Model Bills of Quantities utilise abbreviated descriptions</i></p> <p><i>The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. <b><u>Where such model preambles are not applicable</u></b> (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</i></p> <p><i>Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</i></p> <p><u>View site</u></p> <p>Before submitting his tender the tenderer 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 salvageable from the alterations. 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>			
	<b>Carried to Collection</b>			R
	Section No. 2 Bill No. 1 Alterations			

Explosives

No explosives whatsoever may be used for alteration purposes unless otherwise stated

General

The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and 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

Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored, transported over a distance of approximately 2km to store and handed over to the employer

Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately

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

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

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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)

**TEMPORARY BARRICADES, SCREENS, ETC**

Temporary barricades, screens, roofs, etc including removal

1	Dust screen 2000m high between concrete floor and ceiling, of suitable timber framing with 375 micron polyethylene sheeting stapled on on one side, including corners, ends, etc	m	22	
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**REMOVAL OF EXISTING WORK**

Taking out doors, windows, etc, including thresholds, sills, etc, setting aside for re-use and later refixing in similar new position

2	Aluminium door and door frame 1600 x 2100 m high overall, including setting up and building in door frame, rehanging door on new door frame, brass hinges and replacing lock with new mortice lockset (Door and Door frame measured else where)	No	1	
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Taking down and removing roofs, floors, panelling, ceilings, partitions, etc

3	Gypsum plasterboard ceilings, including timber bandering, cornices, etc	m2	120	
---	---	----	-----	--

Taking out and removing ironmongery

4	Mortice lockset from timber door	No	1	
---	----------------------------------	----	---	--

5	Door closer from timber door and frame	No	1	
---	--	----	---	--

Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc

6	20mm Screed from floors	m2	180	
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	<b><u>BILL NO. 2</u></b>			
	<b><u>MASONRY</u></b>			
	For preambles see "Model Preambles for Trades"			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>BRICKWORK</u></b>			
	<u>Sizes in descriptions</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>Face bricks</u>			
	Bricks shall be ordered timeously to obtain uniformity in size and colour			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
	<b><u>SAMPLES</u></b>			
	Samples of all masonry building units, shall consist of a minimum of 6 units			
	<b><u>SUPERSTRUCTURE</u></b>			
	<u>Brickwork of NFP bricks in class II mortar</u>			
1	One brick walls	m2	8	
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**BRICKWORK SUNDRIES**

Miscellaneous

2	Cutting toothings and bonding new brickwork to existing	m2	10
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Brickwork reinforcement

3	75mm Wide reinforcement built in horizontally	m	45
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Item No	Quantity	Rate	Amount
<p><b><u>SECTION 2</u></b></p> <p><b><u>BILL NO. 3</u></b></p> <p><b><u>WATERPROOFING</u></b></p> <p>For preambles see "Model Preambles for Trades"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p>NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.</p> <p><u>User note</u></p> <p><i>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions</i></p> <p><i>Take note that these Model Bills of Quantities utilise abbreviated descriptions</i></p> <p><i>The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. <b><u>Where such model preambles are not applicable</u></b> (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</i></p> <p><i>Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</i></p>			
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<p>Section No. 2</p> <p>Bill No. 3</p> <p>Waterproofing</p>			

Waterproofing

Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs

**WATERPROOFING TO ROOFS, BASEMENTS, ETC**

**Prepare and apply 'Sika Cemflex' waterproofing system all in accordance with the manufacturer's instructions**

1	On bottoms and sides of box gutters, also around the 110mm diameter pipes	m2	15	
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	<p><b><u>SECTION 2</u></b></p> <p><b><u>BILL NO. 4</u></b></p> <p><b><u>ROOF COVERINGS, ETC</u></b></p> <p>NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>TRADE NAMES</u></b></p> <p>Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior written approval from the Representative / Agent</p> <p><b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b></p> <p><b><u>Install new SOLAR CONTROL POLYCARBONATE IBR Roof Sheet IBR 1.25mm thick or as Similar Approved, fixed to Steel Purlins, all in accordance with the manufacturer`s recommendations, installed by specialist. Flashing, all in accordance with the manufacturer`s recommendations. Purlin spacing as per the manufacturer's specifications.</u></b></p> <p>Note</p> <p>The Contractor is to submit a certificate signed by the merchant, stating that the galvanised roof covering supplied complies with the required thickness specified</p>			
1	Roof covering with pitch not exceeding 30 degrees	m2	270	
	<b>Carried to Collection</b>			R
	Section No. 2 Bill No. 4 Roof Coverings			

**RAINWATER DISPOSAL**

**GUTTERS, DOWNPIPES, ETC.**

**0,6mm Galvanised sheet iron Class Z 275**

2	Pre-coated aluminium seamless gutter, size 150 x 150 x 0,6mm thick in colour Marble White including matching rivet-fixed mitres	m	38
3	Extra for stopped end	No	7
4	Rectangular fluted downpipes, size 100 x 100 x 0,6mm thick in colour Marble White fixed to walls with pre-painted downpipe cleats using nail-in anchor fixings.	m	21
5	Extra for shoe	No	7
6	Extra for eaves offset	No	7

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Item No	Quantity	Rate	Amount
<p><b><u>SECTION 2</u></b></p> <p><b><u>BILL NO. 5</u></b></p> <p><b><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>CEILING, PARTITIONS AND ACCESS FLOORING</u></b></p> <p><u>User note</u></p> <p><i>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions</i></p> <p><i>Take note that these Model Bills of Quantities utilise abbreviated descriptions</i></p> <p><i>The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. <b>Where such model preambles are not applicable</b> (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</i></p> <p><i>Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</i></p> <p><u>Fixing</u></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 style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 5 Ceiling, Partitions and Access Flooring</p>			R

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

Ceilings

Unless otherwise described ceilings shall be deemed to be horizontal

Bulkheads

Unless otherwise described bulkheads shall be deemed to be horizontal along the length

Steel components

All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121

**CEILINGS ETC**

Concrete ceiling

1 Apply Skimmed CEMCRETE CEMCOTE to Concrete Ceiling to Manufacturer's Specifications by Specialist.

m2

120

**Carried to Collection**

R

Section No. 2  
Bill No. 5  
Ceiling, Partitions and Access Flooring



**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

Section No. 2

Bill No. 5

Ceiling, Partitions and Access Flooring

**COLLECTION**

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Section No. 2

Bill No. 5

Ceiling, Partitions and Access Flooring

R

RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
 ORBIT TVET COLLEGE  
 RUSTENBURG CAMPUS

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION 2</u></b></p> <p><b><u>BILL NO. 6</u></b></p> <p><b><u>STRUCTURAL STEEL</u></b></p> <p>For preambles see "Model Preambles for Trades"</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>User note</u></p> <p><i>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions</i></p> <p><i>Take note that these Model Bills of Quantities utilise abbreviated descriptions</i></p> <p><i>The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. <b><u>Where such model preambles are not applicable</u></b> (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</i></p> <p><i>Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</i></p>			
	<b>Carried to Collection</b>			R
	Section No. 2 Bill No. 6 Structural Steel			

*Consideration is to be given in specific applications (e.g. where "heavy" steel structures such as in industrial plants, towers for mine shafts, etc are dominant) to implement the principles laid down by the "Measurement for Structural Steelwork" as prepared and recommended by the South African Institute of Steel Construction or any other appropriate principles*

*This bill is, however, based on the building work measuring system*

*Finishing-off painting is to be included in this trade only when the structural steel contractor is required to execute the work*

Descriptions

Descriptions of bolts shall be deemed to include nuts and washers

Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete

Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete

**SUNDRY STEELWORK**

Steel beams and columns

1	IPE 200 I-Section beam	t	1.00
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Bolts to columns, beams, etc

2	M12 GRD 8.8	No	52
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Plates, angles, girts, bracing etc

3	200 x 200 x 8mm Base Plate	No	13
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**ROOF STEEL STRUCTURE, ETC**

**Carried to Collection**

R

Section No. 2  
Bill No. 6  
Structural Steel

RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS

Roof Steel Structure and Polycarbonate Roof Sheet  
Sheeting by Specialist as per Engineer's and Architect's  
Specifications.

4 Structural Steel Trusses to Structural Engineer'  
specifications.

t

1

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Structural Steel

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**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

Section No. 2

Bill No. 6

Structural Steel

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Item No	Quantity	Rate	Amount
<p><b><u>SECTION 2</u></b></p> <p><b><u>BILL NO. 7</u></b></p> <p><b><u>METALWORK</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Descriptions</u></b></p> <p><u>User note</u></p> <p><i>Insert preambles/specifications as may be required or in order to supplement any applicable preambles, specifications or bills of quantities descriptions</i></p> <p><i>Take note that these Model Bills of Quantities utilise abbreviated descriptions</i></p> <p><i>The Model Preambles for Trades 2008 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated bills of quantities descriptions by inter alia referring to SANS construction standards. <b><u>Where such model preambles are not applicable</u></b> (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the applicable measuring system, represents the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</i></p> <p><i>Consider inserting the preambles hereunder when using the abovementioned Model Preambles for Trades 2008</i></p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 7 Metalwork</p>			R

Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete

Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described

Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres

Aluminium doors, windows, etc

Doors and windows shall comply with AAAMSA design criteria

Glazing shall comply with SAGGA regulations. Glass shall be type ? laminated performance glass as shown on the window schedules/drawings appended to these bills of quantities (as described in the headings to window descriptions?). Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings

Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed

For purpose made windows and doors, refer to drawings annexed to (issued separately with?) these bills of quantities

The following certificates shall be provided prior to commencement of site work:

- 1 A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product
- 2 A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively

**Carried to Collection**

Section No. 2  
Bill No. 7  
Metalwork

R

3	<p>A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process</p>			
4	<p>A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked</p>			
5	<p>A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for period of not less than five years</p>			
a				
<b><u>STEEL HANDRAILS, BALUSTRADES, ETC</u></b>				
<b><u>Welded handrails to steel support</u></b>				
1	<p>50mm diameter Mild steel hand rail welded to steel support and finished with 1 universal undercoat and two coats velvagio.</p>	m	10	
<b><u>Welded balustrading to rail and cleats</u></b>				
2	<p>10mm Diameter Balustrade rails in short height of 1050mm, max gap between rails = 110mm, gap between rails to be equal</p>	m	77	
3	<p>40mm wide x 10mm thick Top and bottom mild steel flat bar welded to balustrade posts</p>	m	27	
<b><u>Cleats, plates and brackets, etc</u></b>				
4	<p>100 x 100 x 10mm Mild steel base plate with two slotted bolts holes bolted to concrete slab</p>	No	8	
5	<p>M12 Bolts with nuts and washers</p>	kg	30	
<b>Carried to Collection</b>				
				R
<p>Section No. 2 Bill No. 7 Metalwork</p>				



**ALUMINIUM LOUVERS, ETC**

**Natural Anodised Horizontal Aluminium Sun Air Gable Vents / Louvre System with insect screen (mesh) installed by approved specialist, all in accordance with the manufacturer's recommendations, to Architect's Specifications.**

6	Aluminium louvers size 2100mm x 400mm high	No	6
7	Aluminium louvers size 1200mm x 400mm high	No	6

**SKYLIGHT, ETC**

**8mm thick colour Clear Compact High-Pressure Laminate Plexiglas, fixed into position and screwed to aluminium head by means of grade 304 stainless steel mounting brackets, Perspex to overlap 100mm along all edges by Specialist to Architect's Specifications. Edges to be Beveled Pencil Polished to Architect's Specifications.**

8	Aluminium Skylight size 2980mm x 2080mm high	No	3
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**DRAINAGE**

**New Grease Traps 304 stainless steel full flow floor drain with square grating and cover plate with slots (Code: GTS 280 H or V), overall size 310 x 310 x 180mm deep with 110mm diameter horizontal / vertical waste outlet connected to waste pipe. Outlet: 110mm diameter.**

9	Floor drain size 310 x 310 x 180mm deep	No	5
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**Carried to Collection**

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Bill No. 7  
Metalwork

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**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

Section No. 2

Bill No. 7

Metalwork

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Metalwork

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RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS

Item No		Quantity	Rate	Amount
	<b><u>SECTION 2</u></b>			
	<b><u>BILL NO. 8</u></b>			
	<b><u>PLASTERING</u></b>			
	For preambles see "Model Preambles for Trades"			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>PLASTER WALL COVERINGS</u></b>			
	<u>General</u>			
	All specialist plaster wall coverings shall be executed in strict accordance with the manufacturer's instructions			
	<b><u>INTERNAL PLASTER</u></b>			
	<b><u>SCREEDS</u></b>			
	<u>Screeds on concrete</u>			
1	30mm Thick on floors and landings	m2	180	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2			
	Bill No. 8			
	Plastering			

**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

Item No		Quantity	Rate	Amount
	<b><u>SECTION 2</u></b>			
	<b><u>BILL NO. 9</u></b>			
	<b><u>TILING</u></b>			
	For preambles see "Model Preambles for Trades"			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions</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			
	<b><u>FLOOR TILING</u></b>			
	<u>Porcelain Tiles (Non-Slip / Matt Architect approved), size 600 x 600mm, fixed to external floor screed with approved tile adhesive mixed with Architect approved Bonding Liquid in lieu of water on concrete surface bed to a minimum 1:50 falls in accordance with SANS 1200 D Degree of Accuracy I with joints continuous in both directions and grouted with Architect approved tile grout.</u>			
	<u>New Porcelain Floor Tile samples and colour to be approved by the Architect</u>			
1	On concrete slab floors and landings	m2	180	
	<b>Carried to Collection</b>			R
	Section No. 2			
	Bill No. 9			
	Tiling			

**FLOOR TILING**

Porcelain Tiles Architect approved), size 300 x 300mm, fixed to external floor screed with approved tile adhesive mixed with Architect approved Bonding Liquid in lieu of water on concrete surface bed to a minimum 1:50 falls in accordance with SANS 1200 D Degree of Accuracy I with joints continuous in both directions and grouted with Architect approved tile grout.

New Porcelain Floor Tile samples and colour to be approved by the Architect

2	On concrete slab floors and landings	m2	13
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**SUNDRIES**

3	80mm high skirting tiles	m	92
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4	Aluminium Trim to edge on Tile Floor covering fixed to substrate with an approved adhesive, approved by Architect	m	92
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**Carried to Collection**

Section No. 2  
Bill No. 9  
Tiling

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**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

Section No. 2

Bill No. 9

Tiling

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Bill No. 9  
Tiling

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**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

Item No		Quantity	Rate	Amount
	<b><u>SECTION 2</u></b>			
	<b><u>BILL NO. 10</u></b>			
	<b><u>ELECTRICAL WORK</u></b>			
	NOTE: Tenderers are advised to study the GP ASC Rev 0 (General specifications of materials and methods to be used for building contracts) before pricing this bill.			
	<b><u>LIGHTING INSTALLATION</u></b>			
	<b><u>Supply and installation of the following light fittings, complete with lamps and electronic control gear as specified and as indicated on attached drawings.</u></b>			
	<u>LIGHTING TO CEILING</u>			
1	BEKA Schröder LED PANEL 600 Surface Mount: 666 x 666 x 69; installed along a steel cable tray to Architect Specifications.	No	12.00	
2	Radiant Lighting Class II, IP20, QC14 under-counter light in White with 1 x T8 lamp or SIMILAR APPROVED.	No	22.00	
3	Radiant Lighting Class I, IP65, QC24 fluorescent vapour proof light (Code: KB67E) with 2 x T5 lamps.	No	6.00	
4	Wall Mounted lights: Eurolux 240V Giuseppe Class 2 IP66 plain bulkhead comprising Black body with Opal UV Stabilised PMMA lens (Code: B233BFU), overall size 300 x 300 x 150mm deep supplied with 1 x 11W GX53 (180mm) LED 100V lamp or SIMILAR APPROVED.	No	7.00	
5	LED Strip Lights around base of Existing Skylights	m	22	
	<b>Carried to Collection</b>			R
	Section No. 2			
	Bill No. 10			
	Electrical work			

RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS

6 Horizontally & Vertically Mounted Medium Duty Cable Tray or SIMILAR APPROVED, width min. 300mm; height min. 50mm; Hot Dip Galvanized Finish in stainless steel SS304. Installed to manufacturer's specifications.

m

80

**Carried to Collection**

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Section No. 2  
Bill No. 10  
Electrical work



**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

Section No. 2

Bill No. 10

Electrical work

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Bill No. 10  
Electrical work

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**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

Item No	Quantity	Rate	Amount
<b><u>SECTION 2</u></b>			
<b><u>BILL NO. 11</u></b>			
<b><u>PAINTING</u></b>			
For preambles see "Model Preambles for Trades"			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>DESCRIPTIONS</u></b>			
Descriptions of paintwork shall be deemed to include for all cutting in			
<b><u>PREPARATORY WORK TO EXISTING WORK</u></b>			
<u>Previously painted plastered surfaces</u>			
Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
<u>Previously painted metal surfaces</u>			
Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
<u>Previously painted wood surfaces</u>			
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth			
<b><u>PAINT SPECIFICATIONS</u></b>			
All painting shall be done in accordance with "Plascon-Evans" specifications			
<b>Carried to Collection</b>			
Section No. 2			R
Bill No. 11			
Paintwork			

**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

**PAINTWORK, ETC TO PREVIOUSLY PAINTED  
WORK ON**

**FLOATED PLASTER SURFACES WITH**

One coat alkali resistant plaster primer and two coats  
PVA acrylic emulsion paint on

1	On Plastered wall	m2	154
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**METAL SURFACES WITH**

One coat super universal enamel paint on work in sound  
condition on steel

Spot priming defects in pre-primed surfaces with zinc  
phosphate metal primer, one coat universal undercoat  
and two coats super universal enamel paint on steel

2	Gutters and downpipes	m	38
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**Carried to Collection**

Section No. 2  
Bill No. 11  
Paintwork

R

**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

Section No. 2

Bill No. 11

Paintwork

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Section No. 2  
Bill No. 11  
Paintwork

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**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

Item No		Quantity	Rate	Amount
	<b><u>SECTION 2</u></b>			
	<b><u>BILL NO. 12</u></b>			
	<b><u>PROVISIONAL SUMS</u></b>			
	<b><u>COMMUNITY LIASON OFFICER</u></b>			
1	Allow the Provisional Amount of R50,000.00 (Fifty Thousand) NETT for the Community Liason Officer to be paid by the Client	Item		50,000.00
2	Add: Profit		%	
3	Add: Attendance		%	
	<b>Carried Forward to Summary of Section No. 2</b>			
	Section No. 2			
	Bill No. 12			
	Provisional Sums		R	

**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
ORBIT TVET COLLEGE  
RUSTENBURG CAMPUS**

<b>Bill No</b>	<b>SECTION SUMMARY - Building works</b>	<b>Page No</b>	<b>Amount</b>
1	Alterations	37	
2	Masonry	40	
3	Waterproofing	43	
4	Roof Coverings	46	
5	Ceiling, Partitions and Access Flooring	49	
6	Structural Steel	53	
7	Metalwork	58	
8	Plastering	59	
9	Tiling	62	
10	Electrical work	65	
11	Paintwork	68	
12	Provisional Sums	69	
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**RENOVATIONS OF THE CENTRAL OFFICE COURTYARD  
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<b><u>FINAL SUMMARY</u></b>				
1	Preliminaries and Generals	32		
2	Building works	70		
	<b>SUB TOTAL</b>		R	
	<b><u>CONTINGENCIES</u></b>			
	Allow a contingency amount to be used as directed by the Employer.	Item		90,000.00
	<b>SUB-TOTAL</b>		R	
	Provision for Value-Added Tax (VAT) at 15 percent		R	
	<b>Carried to Form of Tender</b>		R	