



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

**DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE
DURBAN REGIONAL OFFICE**

REFERENCE NUMBER – DBN24/03/02

BOOK 2

VOLUME 2 OF 5 BILL OF QUANTITIES PART A

**SERVICE DESCRIPTION: JUSTICE: BERGVILLE MAGISTRATE COURT: REPAIRS
AND RENOVATIONS INCLUDING UPGRADE AND INSTALLATION OF BOREHOLE**

SUBMITTED BY:

Company Name :

CSD / CIDB registration number:/

Physical Address:	_____	Postal Address:	_____
	_____		_____
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	_____		_____

Contact No.	_____	Email	_____
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CLOSING DATE: 18 APRIL 2024

**TENDER BOX LOCATION: PHYSICAL ADDRESS: National Department of Public Works,
157 Monty Naicker, Durban, 4001**

TENDER BOX NUMBER: DBN24/03/02

Enquiries: For technical enquiries contact Mr. Mbambiseni Vilakazi, Mobile number: 0725949868, e-mail Mbambiseni.vilakazi@dpw.gov.za and for other enquiries contact Ms. Zanele Luthuli Telephone number – 031 314 7072 e-mail zanele.luthuli@dpw.gov.za or Nobuhle Gwala 031 314 7021 e-mail Nobuhle.Gwala@dpw.gov.za or Ms. Thulisile Ndlovu Telephone number: 031-314 7061 email Thulisile.Ndhlovu@dpw.gov.za

C2.2 BILLS OF QUANTITIES / LUMP SUM DOCUMENT

SECTION 1:
PRELIMINARIES
OCCUPATIONAL HEALTH AND SAFETY ACT

**BERGVILLE MAGISTRATE OFFICE
REPAIR AND RENOVATIONS**

Item No	Quantity	Rate	Amount
<u>SECTION NUMBER 1</u>			
<u>BILL NUMBER 1</u>			
<u>PRELIMINARIES</u>			
-WORK GROUP 190-			
<u>MEANING OF TERMS "TENDER / TENDERER"</u>			
Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"			
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BUILDING AGREEMENT AND PRELIMINARIES

The **JBCC** Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described

The **JBCC** Principal Building Agreement **contract data for organs of state and other public sector bodies** forms an integral part of this **agreement**

The **JBCC** General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the **JBCC** Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these **bills of quantities** / lump sum document, amended as hereinafter described

The **contractor** is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause

The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only

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

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

TENDERER'S SELECTIONS

Before submission of his tender the **contractor** is to complete the tenderer's selections in the **contract data for organs of state and other public sector bodies**

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STRUCTURE OF THIS PRELIMINARIES BILL

Section A : A recital of the headings of the individual clauses in the aforementioned **JBCC** Principal Building 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 organs of state and other public sector bodies** 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)

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PRICING OF BILLS OF QUANTITIES

- 1 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**.

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

Item

VALUE ADDED TAX

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

SECTION A: PRINCIPAL BUILDING AGREEMENT

INTERPRETATION

A1.0 DEFINITIONS AND INTERPRETATION

- 2 Clause 1.0
The following definitions replace corresponding definitions or are added to the definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), whatever the case may be

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ADVERSE WEATHER CONDITIONS: Adverse weather and inclement weather has the same meaning and used interchangeably and means any weather conditions i.e.: Rain, wind, snow, frost, temperature (cold or heat) that are not in the norm for the area where the construction takes place and during which no work is possible on site

AGREEMENT: The completed Form of Offer and Acceptance, the completed JBCC® Principal Building Agreement and contract data for organs of state and other public sector bodies, the contract drawings, the priced document and any other documents reduced to writing and signed by the authorised representative or representatives of the parties

CONSTRUCTION PERIOD: The period commencing on the date of possession of the site by the contractor and ending on the date of practical completion

CONTRACT PERIOD: The period commencing on the date of the letter of acceptance and ending on the date of final completion

COST FLUCTUATION: shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule

DEFAULT INTEREST: No Clause

GUARANTEE FOR CONSTRUCTION: A security in terms of the DPWI's Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD]

INTEREST: The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999) as amended, calculated as simple interest, in respect of debts owing to the State, and will be the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State

LETTER OF ACCEPTANCE: The letter of formal acceptance of the Contractor's or Service Provider's Tender / Bid, issued and signed by the Employer

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PAYMENT CERTIFICATE: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of Clause 25.3

PRINCIPAL AGENT: The person or entity appointed by the employer and named in the contract data for organs of state and other public sector bodies. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by the employer's representative as named in the contract data for organs of state and other public sector bodies

TARGETED SUBCONTRACTORS: Subcontractors that must be appointed to a total of 30% or more of the contract sum, by the contractor, projects with a contract sum of the amount determined by the Minister in terms of the latest Preferential Procurement regulations, as may be amended from time to time.

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A2.0 LAW, REGULATIONS AND NOTICES

3 Clause 2.0

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A3.0 OFFER AND ACCEPTANCE

4 **Replace Clause 3.3 with the following:**
This **agreement** shall come into force on the date of **letter of acceptance** and continue to be of force and effect until the end of the **latent defects** liability period [22.0] notwithstanding termination [29.0] or the certification of **final completion** [21.0] and final payment [25.0]

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A4.0 CESSION AND ASSIGNMENT

- 5 Clause 4.0
Ref Clause 6.7 [CD] - Clause 4.2
Replace Clause 4.3 with the following:
Where a contractor cedes any right or any monies due to or to become due under this **agreement** as security in favour of a financial institution, the prior written consent of the employer, which consent shall not be unreasonably withheld, must be obtained
- F:..... V:.....
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Item

A5.0 DOCUMENTS

- 6 **Replace last sentence of Clause 5.2 with the following:**
The original signed agreement shall be held by the **Employer**
- Replace Clause 5.4 with the following:**
The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference
- Replace Clause 5.5 with the following:**
The parties may publish or disclose on any platform only the contract scope and contract amount
- F:..... V:.....
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A6.0 EMPLOYER'S AGENTS

- 7 Clause 6.0
Replace Clause 6.5 with the following:
Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer shall appoint another principal agent and/or an agent

Add the following as Clause 6.7:
In terms of the clauses listed hereunder, the employer has retained its authority and has not given a mandate to the principal agent, notwithstanding other provisions in the contract. The employer shall sign all documents in relation to clauses 4.2, 14.1.4, 14.4.1, 14.6, 15.1.4, , 15.4.1, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12

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Item

A7.0 DESIGN RESPONSIBILITY

- 8 Clause 7.0
Replace first sentence of Clause 7.2 with the following:
Any design responsibility undertaken by a subcontractor shall not devolve on the contractor except for items that require specific component design and or compatibility design and or shop drawings and or the assembly thereof

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INSURANCES AND SECURITIES

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	<u>A8.0 WORKS RISK</u>			
9	<p>Clause 8.0 Replace Clause 8.4 with the following: The contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary</p> <p>F:..... V:..... T:.....</p>	Item		
	<u>A9.0 INDEMNITIES</u>			
10	<p>Clause 9.0 Add the following to the end of the first sentence of Clause 9.2.7: “.... due to no fault of the contractor</p> <p>9.2.9 No Clause</p> <p>9.2.10 No Clause</p> <p>Add the following as clause 9.3: The employer's rights to claim damages for the contractor's omissions and actions will not be affected.</p> <p>F:..... V:..... T:.....</p>	Item		
	<u>A10.0 INSURANCES</u>			
11	<p>Clause 10.0 Replace Clause 10.1 with the following: The party responsible shall effect and keep the respective insurances [CD] in force, in favour of the employer as beneficiary , from the date of possession of the site until the issue of the certificate of practical completion and with an extension to cover the contractors obligations after the date of practical completion [8.2.2]</p>			
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Add the following as Clause 10.1.5.1:

Hi Risk Insurance

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply

Add the following as Clause 10.1.5.1.1 Damage to the works

The contractor shall, from the date of possession of the site until the date of the **certificate of practical completion**, bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary

When so instructed to do so by the **principal agent**, the **contractor** shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**, at the contractor's own costs

10.1.5.1.2 Injury to persons or loss of or damage to property

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property, or personal property, or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract

10.1.5.1.3 Replace Clause with the following:

It is the responsibility of the contractor to ensure that he

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has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the **contractor's** obligations in terms of the contract, the contractor shall, within twenty-one (21) **calendar days** of the date of **letter of acceptance**, but before commencement of the **works**, submit to the **employer** proof of such insurance policy.

10.1.5.1.4 Replace Clause with the following:

The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the **contractor's** default of his obligations as set out in 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered one indivisible whole

10.2 Replace Clause with the following:

Where practical completion in sections is required [20.0], or where the works is for alterations and additions, the contractor shall effect and keep in force contract works insurance [10.1.1], supplementary insurance [10.1.2], public liability insurance [10.1.3] and where applicable, removal of lateral support insurance [10.1.4] and other insurances [10.1.5] in favour of the employer as beneficiary

10.6 No Clause

Add the following as Clause 10.11

In the event that an insurer dispute the amount of the claim to be paid to the employer, the contractor shall be liable to the employer for the difference between the claim (as determined by the employers QS appointed on the project) made by the employer and the amount that the insurer is willing to pay

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A11.0 SECURITIES

- 12 **Add the following as to the relevant related Clauses as follows:**

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Add the following to Clause 11.1:

In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT).

In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of C 1.0 Securities, as stated in the schedule. Such security shall be provided to the employer within fifteen (15) working days from commencement date. Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within fifteen (15) working days from commencement date, the security in terms of C 1.0 Option C shall be deemed to have been selected.

The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5

11.1.1 No Clause

11.1.2 No Clause

11.2.2 No Clause

11.3 No Clause

Replace Clause 11.4.1 with the following:

Hand over the site to the contractor and withhold an amount equal to ten per cent (10%) of each interim payment certificate until practical completion is achieved. The value certified shall be subject to the adjustments in terms of 25.12.6 to 25.12.10.

11.5 No Clause

11.6 No Clause

11.7 No Clause

11.8 No Clause

11.9 No Clause

11.10 No Clause

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Add the following as Clause 11.11:

Where the security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:

Add the following as Clause 11.11.1:

The contractor shall furnish the employer with a cash deposit equal in value to ten percent (10%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to furnish the employer with a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.

Add the following as Clause 11.11.2:

The employer shall be entitled to recover expense and loss from the cash deposit in terms of Clause 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.

Add the following as Clause 11.11.3:

Within fifteen (15) working days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT) and refund the balance to the contractor

Add the following as Clause 11.11.4:

Within fifteen (15) working days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor.

Add the following as Clause 11.11.5:

On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor.

Add the following as Clause 11.11.6:

The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party.

Add the following as Clause 11.12:

Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:

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Add the following as Clause 11.12.1:

The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within fifteen (15) working days after issuance of the letter of acceptance. Failure to submit an acceptable variable construction guarantee within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.

Add the following as Clause 11.12.2:

The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender.

Add the following as Clause 11.12.3:

The employer shall return the variable construction guarantee to the contractor within fourteen

Add the following as Clause 11.12.4:

Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall issue a written demand in terms of the variable construction guarantee.

Add the following as Clause 11.13:

Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:

Add the following as Clause 11.13.1:

The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT).

Add the following as Clause 11.13.2:

The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion.

Add the following as Clause 11.13.3:

The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring.

Add the following as Clause 11.13.4:

The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.

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Add the following as Clause 11.13.5:

Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or from both.

Add the following as Clause 11.14.1:

Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:

Add the following as Clause 11.14.2:

The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to submit a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.

Add the following as Clause 11.14.3:

Within fifteen (15) working days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor.

Add the following as Clause 11.14.4:

The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.

Add the following as Clause 11.14.5:

Where the employer has a right of recovery against the contractor in terms of 27, the employer may recover from the payment reduction or cash deposit or from both.

Add the following as Clause 11.15:

Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected.

Add the following as Clause 11.15.1:

The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.6 to 25.12.10.

Add the following as Clause 11.15.2:

The employer shall be entitled to recover expense and

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loss from the cash deposit in terms of 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor.

Add the following as Clause 11.16:

Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement.

Add the following as Clause 11.17:

Should the contractor fail to furnish the security in terms of 11.2 the employer, in his sole discretion, and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT).

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A12.0 OBLIGATIONS OF THE PARTIES

Clause 12.0

12.1.1 No Clause

Replace Clause 12.1.5 with the following:

Give possession of the site to the contractor within ten (10) working days after approval of the Health and Safety Plan or the issue of a construction permit by the Department of Labour, if applicable, after the contractor complied with the terms of 12.2.22

12.1.6 No Clause

12.1.8 No Clause

Replace Clause 12.2.2 with the following:

The priced Bills must be submitted to the Employer within fourteen (14) calendar days from date of request. Where the priced document contains errors or discrepancies and/or prices considered by the employer or principal agent to be imbalanced or unreasonable the employer or principal agent and the contractor shall adjust such prices without any change to the contract sum

Replace Clause 12.2.5 with the following :

Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0) [CD]

Replace Clause 12.2.13 with the following:

Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor

Add the following as Clause 12.2.22:

Within fourteen (14) working days of the date of the letter of acceptance submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

Add the following as Clause 12.2.23:

The contractor shall within reasonable time inform the agents regarding inspection of the works before covering / closing [B 12.0]

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13 Offices

The **contractor** shall provide, maintain and remove on completion of the works an office for the exclusive use of the **principal agent**, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times [12.2.18]

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14 Main notice board

The **contractor** shall provide, erect where directed, maintain and remove on completion of the **works** a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering [12.2.18]

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A13.0 SETTING OUT

15 Clause 13.0

F:..... V:.....
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	<u>A14.0 NOMINATED SUBCONTRACTORS</u>			
16	<p>Clause 14.0</p> <p>Ref Clause 6.7 [CD] - Clause 14.1.4</p> <p>14.1.5 No Clause</p> <p>Replace "principal agent " with "employer" [6.7 [CD]] in</p> <p>Clause 14.4.1</p> <p>Ref Clause 6.7 [CD] - Clause 14.6</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item		
	<u>A15.0 SELECTED SUBCONTRACTORS</u>			
17	<p>Clause 15.0</p> <p>Ref Clause 6.7 [CD] - Clause 15.1.4 & Clause 15.5</p> <p>15.1.5 No Clause</p> <p>Replace Clause 15.1.2 with the following:</p> <p>The principal agent shall call for tenders from a list of tenderers agreed between the contractor and the employer</p> <p>Replace "principal agent " with "employer" [6.7 [CD]] in</p> <p>Clause 15.4.1</p> <p>F:..... V:.....</p> <p>T:.....</p>	m		
	<u>A16.0 DIRECT CONTRACTORS</u>			
18	<p>Clause 16.0</p> <p>F:..... V:.....</p> <p>T:.....</p>	Item		
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	<u>A17.0 CONTRACT INSTRUCTIONS</u>			
19	<p>Clause 17.0</p> <p>Replace Clause 17.4 with the following: The contractor shall comply with and duly execute all contract instructions except any contract instruction for additional work issued after the date of practical completion other than making good physical loss and repairing damage to the works in terms of 8.0 and 21</p> <p>Add the following clause as Clause 17.6: Minutes of meetings shall not constitute a site instruction unless reduced to a written contract instruction issued by the principal agent in terms of this contract / agreement.</p> <p>F:..... V:..... T:.....</p> <p><u>COMPLETION</u></p> <p><u>A18.0 INTERIM COMPLETION</u></p> <p>Clause 18.0 (N/A)</p> <p>F:..... V:..... T:.....</p> <p><u>A19.0 PRACTICAL COMPLETION</u></p> <p>Clause 19.0</p> <p>Replace Clause 19.5 with the following: On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section</p> <p>Add the following as Clause 19.8: WORKS COMPLETION (1) Within seven (7) calendar days of the date of practical completion the principal agent shall issue to the contractor a works completion list defining the outstanding work and defects apparent at the date of practical completion to be completed or rectified to achieve works completion. (2) Where, in the opinion of the contractor, the works completion list has been completed the contractor shall</p>	Item		
20	<p>Clause 18.0 (N/A)</p> <p>F:..... V:..... T:.....</p>	Item		
21	<p>Clause 19.0</p> <p>Replace Clause 19.5 with the following: On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section</p> <p>Add the following as Clause 19.8: WORKS COMPLETION (1) Within seven (7) calendar days of the date of practical completion the principal agent shall issue to the contractor a works completion list defining the outstanding work and defects apparent at the date of practical completion to be completed or rectified to achieve works completion. (2) Where, in the opinion of the contractor, the works completion list has been completed the contractor shall</p>			
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notify the principal agent who shall inspect within seven (7) calendar days of receipt of such a notice. Where, in the opinion of the principal agent, the Works Completion list:

- (2)(a) Has been satisfactorily completed, the principal agent shall forthwith issue a certificate of Works Completion to the contractor with a copy to the employer
- (2)(b) Has not been satisfactorily completed, the principal agent shall forthwith identify the works completion list items that are not yet complete and inform the contractor thereof. The contractor shall repeat the procedure in terms of 19.8(2)

(3) Should the principal agent not issue a works completion list, in terms of 19.8 (1) or 19.8 (2)(b), within seven (7) calendar days from the end of the inspection period, the contractor shall notify the employer and principal agent. Should the principal agent not issue such Works Completion list within seven (7) calendar days of receipt of such notice, the employer may within seven (7) calendar days issue to the contractor a Works Completion list. Should the employer:

- (3)(a) Not issue such works completion list within seven (7) calendar days, then the certificate of Works Completion shall be deemed to have been issued on the date of expiry of the initial notice period and works completion shall be deemed to have been achieved on such date
- (3b) Issue a works completion list and the work on Works Completion list not have been completed or where further defects have become apparent, the employer shall forthwith identify such items on the updated works completion list and notify the contractor. The contractor shall repeat the procedure in terms of 19.8(2)(b) until such items have been completed to the satisfaction of the employer

(4) Should the works completion list not be completed to the satisfaction of the employer within a period of twenty one (21) working days of the issue first works completion list the contractor shall be liable to a daily penalty as described in B12.0

(5) The defects liability period in terms of 21.1 shall commence with the issue or deemed issue of the

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	certificate of Works Completion in terms of 19.8(2)(a) or 19.8(3). F:..... V:..... T:.....			
	<u>A20.0 COMPLETION IN SECTIONS</u>			
22	Clause 20.0 Add the following as Clause 20.2.1.A A certificate of Works Completion [19.8] F:..... V:..... T:.....	Item		
	<u>A21.0 DEFECTS LIABILITY PERIOD AND FINAL COMPLETION</u>			
23	Clause 21.0 Replace Clause 21.1 with the following: The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6], whichever is the later (if we use works completion) Replace Clause 21.6 with the following: On the expiry of the ninety (90) calendar days defects liability period [21.1] for items not indicated as items with an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent And/or On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall: (1) inspect the works And within ten (10) working days either issue a list for final completion detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or (2) issue the certificate of final completion to the contractor with a copy to the employer for that part of	Item		
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the works where defects liability period has expired

21.6.1 Omit Clause

21.6.2 Omit Clause

Add the following as Clause 21.13:

The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements in B14

Add the following as Clause 21.14:

Penalties will be applied if the items on the completion list have not been attended to within a period of ninety (90) calendar days [21.1]. If additional defect items have being added to the list during this period, then the Principal Agent and Contractor will agree on a revised completion date. Failing in achieving the revised date will result in penalties being applied.[B12.0]

F: V:
T:

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A22.0 LATENT DEFECTS LIABILITY PERIOD

24 | Clause 22.0

22.3.2 No Clause

F: V:
T:

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A23.0 REVISION OF THE DATE FOR PRACTICAL COMPLETION

Clause 23.0

Ref Clause 6.7 [CD] – Clause 23.1
Ref Clause 6.7 [CD] – Clause 23.2
23.2.13 No Clause

Replace Clause 23.3 with the following:

Further circumstances that delays practical completion due to any other cause beyond the contractor's reasonable control that could not have reasonably been anticipated and provided for which the contractor may be entitled to a revision of the date for practical completion, with or without an adjustment of the contract value as determined by the Employer [6.7 CD]

Ref Clause 6.7 [CD] - Clause 23.7
Ref Clause 6.7 [CD] - Clause 23.8

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26	<p><u>A24.0 PENALTY FOR LATE OR NON-COMPLETION</u></p> <p>Clause 24.0</p> <p>Replace Clause 24.1 with the following: Where the contractor fails to bring the works, or a section thereof, to practical-, works-, or final- completion by the applicable completion date [CD], or the revised applicable completion date, the contractor shall be liable to the employer for the penalty [CD]</p> <p>Replace Clause 24.2 with the following: Where the employer elects to levy such penalty the employer, or the principal agent on instruction from the employer, shall give notice thereof to the contractor. The principal agent shall determine the penalty due from the later of the date for practical- works-, or final- completion [CD], or the revised date for practical- works-, or final- completion, up to and including the earlier of:</p> <p>Replace Clause 24.2.1 with the following: The actual or deemed date of practical- works-, or final- completion, of the works, or a section thereof [23.7.1]</p> <p>F:..... V:..... T:.....</p> <p><u>PAYMENT</u></p> <p><u>A25.0 PAYMENT</u></p>			
27	<p>Clause 25.0</p> <p>Replace Clause 25.2 with the following: The principal agent shall issue at regular agreed intervals [CD] payment certificates, to the contractor with a copy to the employer, up to and including practical completion. Interim Payment certificates may be issued to the contractor between practical completion and the final payment certificate. A payment certificate may be for a nil or negative amount</p> <p>Add the following to Clause 25.3: 25.3.12 Monthly Local content report,</p> <p>25.3.13 EPWP / NYS payment register, labour reports and certified ID document of EPWP/ NYS beneficiaries, Contract between Contractor and EPWP/ NYS beneficiaries, attendance register. (if applicable)</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 Bill No. 1 Preliminaries RUBIQUANT QUANTITY SURVEYORS</p>	Item	R	

25.3.14 Tax Invoice

25.3.15 Labour intensive report

25.3.16 Contract participation goal reports

25.5 No Clause

Replace Clause 25.6 with the following:

Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.

25.7.5 No clause.

Replace Clause 25.10 with the following:

The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate, invoice and all other substantiating documentation for items certified in the payment certificate

Replace Clauses 25.12 to 25.12.3 with the following:

The value certified shall be subject to the following percentage adjustments :

(Clauses 25.12.1 to 25.12.5 shall be applicable to a contract sum up to R1 million. In the event of a contract sum more than R1 million for Options D & E (C 1.0 Securities [11.0]) Clauses 25.12.1 to 25.12.5 shall be applicable)

25.12.1 Where a security is selected in terms of C 1.0 Securities [11.0], the value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

25.12.2 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion

25.12.3 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of

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final completion

25.12.4 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26

25.12.5 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate.

(Clauses 25.12.6 to 25.12.10 shall be applicable to a contract sum more than R1 million for Option C (C 1.0 Securities [11.0])

25.12.6 Where security is a payment reduction in term of C 1.0 Option C, value of the works in terms of 25.1 and materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

25.12.7 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion

25.12.8 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion

25.12.9 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 26

25.12.10 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except were the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate

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**A26.0 ADJUSTMENT OF THE CONTRACT VALUE
AND FINAL ACCOUNT**

28 Clause 26.0

Ref Clause 6.7 [CD] – Clause 26.1

Omit Clause 26.4.3

Ref Clause 6.7 [CD] – Clause 26.7

Replace Clause 26.10 with the following:

The principal agent shall prepare the final account in consultation with the employer and issue the final account, to the contractor within sixty (60) working days of the date of practical completion

Ref Clause 6.7 [CD] – Clause 26.12

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A27.0 RECOVERY OF EXPENSE AND/OR LOSS

29 Clause 27.0

Replace Clause 27.1.2 with the following:

Interest due to late payment only

Replace Clause 27.1.4 with the following:

Interest due to late payment only

27.1.5 No Clause

Replace Clause 27.5 with the following:

Where the employer decides to recover an amount due in terms of 27.2 from a construction guarantee, cash deposit or retention money held as security, the employer shall issue a written demand to the contractor before recovering the amount. Should such amount not be paid to the employer within fourteen (14) calendar days of the date-of notice by the employer, the employer may recover such an amount from the security

Add the following as Clause 27.6:

Where a provisional sequestration or provisional liquidation order has been granted or where an order has been granted which commences sequestration, liquidation, bankruptcy, receivership, winding-up or any similar effect, against the contractor or this agreement is cancelled in terms of 29, the employer may issue a demand to the guarantor in terms of the construction guarantee or advance payment guarantee held as security

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SUSPENSION AND TERMINATION

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	<u>A28.0 SUSPENSION BY THE CONTRACTOR</u>			
30	Clause 28.0			
	28 No Clause			
	28.1 No Clause			
	28.1.1 No Clause			
	28.1.2 No Clause			
	28.1.3 No Clause			
	28.1.4 No Clause			
	28.1.5 No Clause			
	28.2 No Clause			
	28.3 No Clause			
	28.4 No Clause			
	F:..... V:.....			
	T:.....	Item		
	<u>A29.0 TERMINATION</u>			
31	Clause 29.0			
	Add the following as Clause 29.1.4:			
	The contractor's estate has been sequestrated,			
	liquidated or surrendered in terms of the insolvency laws			
	in force within the Republic of South Africa			
	Add the following as Clause 29.1.5:			
	The contractor has engaged in corrupt or fraudulent			
	practices in competing for or in executing the contract			
	Add the following as Clause 29.1.6:			
	Honour his obligations in terms of Clauses 10.1.5.1.3,			
	11.4.1 and 12.2. sub Clauses 5, 6, 8, 9, 10, 11, 12, 13,			
	15, 16, 19, 20, 22.			
	Replace Clause 29.7 with the following:			
	The employer, on notice to the contractor, may recover			
	damages from the contractor from the date of			
	termination including, but not limited to, additional costs			
	incurred in the completion, consultant cost, rental of			
	alternative accommodation, invitation of completion			
	tenders, salaries of officials and safeguarding the site, of			
	the remaining work [25.3.7; 27.1.3]			
	Replace Clause 29.9 with the following:			
	The employer has the right of recovery against the			
	contractor, where applicable, [CD] from:			
	The guarantee for construction (variable) until the final			
	payment has been made;			
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or

The guarantee for construction (fixed) until the date of practical completion;

or

The payment reduction until the final payment is made;

or

The cash deposit made as security until the final payment is made

29.14.1 No Clause

29.14.3 No Clause

29.14.4 No Clause

29.14.5 No Clause

29.14.6 No Clause

29.14.7 No Clause

29.15 No Clause

29.16 No Clause

29.17.3 No Clause

29.17.6 No Clause

29.21.5 No Clause

29.22 No Clause

29.23 No Clause

29.25.3 No Clause

29.25.4 No Clause

29.27 No Clause

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T:.....

DISPUTE RESOLUTION

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<u>A30.0 DISPUTE RESOLUTION</u>				
32	<p>Clause 30.0</p> <p>Replace Clause 30.2 with the following: Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation 30.3 to 30.7.7 No Clauses</p> <p>Replace Clause 30.8 with the following: The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event: 30.8.1 No Clause</p> <p>Replace Clause 30.8.2 with the following: The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties</p> <p>Replace Clause 30.8.3 with the following: Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses</p> <p>Replace Clause 30.9 with the following: Institution of Litigation shall be commenced and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse 30.10 No Clause 30.12 No Clause</p> <p>F:..... V:..... T:.....</p> <p><u>SECTION B: GENERAL PRELIMINARIES</u></p> <p><u>B1.0 DEFINITIONS AND INTERPRETATION</u></p> <p>B1.1 Definitions</p> <p>F:..... V:..... T:.....</p> <p>Carried to Collection</p> <p>Section No. 1 Bill No. 1 Preliminaries RUBIQUANT QUANTITY SURVEYORS</p>	Item		
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34	B1.2 Interpretation F:..... V:..... T:.....	Item
	<u>B2.0 DOCUMENTS</u>	
35	B2.1 Checking of documents F:..... V:..... T:.....	Item
36	B2.2 Provisional bills of quantities F:..... V:..... T:.....	Item
37	B2.3 Availability of construction information F:..... V:..... T:.....	Item
38	B2.4 Ordering of materials and goods F:..... V:..... T:.....	Item
	<u>B3.0 PREVIOUS WORK AND ADJOINING PROPERTIES</u>	
39	B3.1 Previous work - dimensional accuracy F:..... V:..... T:.....	Item
40	B3.2 Previous work - defects F:..... V:..... T:.....	Item
41	B3.3 Inspection of adjoining properties F:..... V:..... T:.....	Item

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B4.0 THE SITE

42 **B4.1 Handover of site in stages**

F: V:
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Item

43 **B4.2 Enclosure of the works**

F: V:
T:

Item

44 B4.3 Geotechnical and other investigations

F: V:
T:

Item

45 **B4.4Encroachments**

F: V:
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Item

46 **B4.5 Existing premises occupied**

F: V:
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Item

47	B4.6 Services - known
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F: V:
T:

Item

B5.0 MANAGEMENT OF CONTRACT

48 **B5.1 Management of the works**

F: V:
T:

Item

49 B5.2 Progress meetings

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50 **B5.3 Technical meetings**
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**B6.0 SAMPLES, SHOP DRAWINGS AND
MANUFACTURER'S INSTRUCTIONS**

51 **B6.1 Samples of materials**
F:..... V:.....
T:.....

Item

52 **B6.2 Workmanship samples**
F:..... V:.....
T:.....

Item

53 **B6.3 Shop drawings**
F:..... V:.....
T:.....

Item

54 **B6.4 Compliance with manufacturer's instructions**
F:..... V:.....
T:.....

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B7.0 DEPOSITS AND FEES

55 **B7.1 Deposits and fees**
F:..... V:.....
T:.....

Item

B8.0 TEMPORARY SERVICES

56 **B8.1 Water**
F:..... V:.....
T:.....

Item

57 **B8.2 Electricity**
F:..... V:.....
T:.....

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58 **B8.3 Ablution and welfare facilities**

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

59 **B8.4 Communication facilities**

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

Item

B9.0 PRIME COST AMOUNTS

60 **B9.1 Responsibility for prime cost amounts**

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

Item

B10.0 ATTENDANCE ON SUBCONTRACTORS

61 **B10.1 General attendance**

The **contractor** shall at his own expense provide the following general attendance on the **subcontractors**:

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**

The provision of water and lighting and 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

The provision of an area for the **subcontractor** to establish temporary office accommodation and workshops and for the storage of plant and materials

The use of erected scaffolding belonging to the **contractor**, in common with others having the like right, while it remains erected on the **site**

The use, at reasonable times by arrangement of the **contractor's** erected hoisting equipment

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62	B10.2 Special attendance F:..... V:..... T:.....	Item		
63	B11.0 GENERAL B11.1 Protection of the works F:..... V:..... T:.....	Item		
64	B11.2 Protection/isolation of existing works and works occupied in sections F:..... V:..... T:.....	Item		
65	B11.3 Security of the works F:..... V:..... T:.....	Item		
66	B11.4 Notice before covering work F:..... V:..... T:.....	Item		
67	B11.5 Disturbance The contractor shall keep the site , structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent F:..... V:.....T:.....	Item		
68	B11.6 Environmental disturbance F:..... V:..... T:.....	Item		
69	B11.7 Works cleaning and clearing F:..... V:..... T:.....	Item		
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70	B11.8 Vermin F:..... V:..... T:.....	Item		
71	B11.9 Overhand work F:..... V:..... T:.....	Item		
72	B11.10 Tenant installations F:..... V:..... T:.....	Item		
73	B11.11 Advertising F:..... V:..... T:.....	Item		
	<u>SECTION C: SPECIFIC PRELIMINARIES</u> Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item			
74	<u>C1.0 CONTRACT DRAWINGS</u> The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed 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 F:..... V:..... T:.....	Item		
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C2.0 PREAMBLES

The document "Construction Works: Specifications: General Specification (PW371-A) Edition 2.1" is obtainable on the Department's website (<http://www.publicworks.gov.za/> under "Consultants Guidelines"), and shall be read in conjunction with the **bills of quantities** / lump sum document and be referred to for the full descriptions of work to be done and materials to be used

The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.2" is issued together with the drawings and shall be read in conjunction with the drawings and the **bills of quantities** / lump sum document

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C3.0 TRADE NAMES

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

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

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77 **C4.0 IMPORTED MATERIALS AND EQUIPMENT**

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 DPW-23(EC) to be completed by tenderer)

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)

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Item

78 **C5.0 VIEWING THE SITE IN SECURITY AREAS**

The **site** is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the **site** for tendering purposes

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79 **C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS**

As the **works** falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the **works**. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the **contractor's** account

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80 **C7.0 ENTRANCE PERMITS TO SECURITY AREAS**

As the **works** falls within a security area the **contractor** shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer

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Item

81 **C8.0 SECURITY CHECK OF PERSONNEL**

The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified

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**

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

Item

82 **C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS**

In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister

The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959

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HIV/AIDS AWARENESS

It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department 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 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

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 25.0 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. The **contractor** shall not be entitled to any compensation of whatsoever nature, including **interest**, due to such delay of payment

83 **C10.1 AWARENESS CHAMPION**

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification

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84 **C10.2 AWARENESS WORKSHOPS**

Selection and appointment of a competent Service Provider approved 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

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Item

85 **C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.**

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

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86 **C10.4 ACCESS TO CONDOMS**

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

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Item

87 **C10.5 MONITORING**

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

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88 C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT

The contractor shall comply with all the requirements as set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

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

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 A25.0 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. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

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

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C12.0 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)

The **contractor** shall comply with all the requirements as set out in the "Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS)" as attached to these **bills of quantities** / lump sum document

The **contractor** shall identify a minimum number of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them, all as per the aforementioned specification and as elsewhere measured in these **bills of quantities** / lump sum document

The **contractor** shall liaise and co-ordinate with the **employer** and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers

The **contractor** shall avail the services of an adequately qualified foreman specifically for the EPWP-NYS youth workers, to act as their construction supervisor. The foreman will be responsible for continually monitoring the progress of the youth workers and for addressing questions and issues that may arise from the youth workers

Separate items which will be subject to remeasurement have been included elsewhere in these **bills of quantities** / lump sum document to cover the direct costs associated with the employment and training of the youth workers. Any additional requirements in respect of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained

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**C13.0 IMPLEMENTATION OF LABOUR-INTENSIVE
INFRASTRUCTURE PROJECTS UNDER THE
EXPANDED PUBLIC WORKS PROGRAMME (EPWP)**

The contractor shall comply with all the requirements of the "Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labourintensive infrastructure project under the Expanded Public Works Programme (EPWP)

The contractor shall maintain daily records with regard to the workers employed and shall, on a monthly basis, submit a report to the **principal agent** in the prescribed format. Compulsory indicators such as the project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in said report, all as defined in the "Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)"

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

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**BERGVILLE MAGISTRATE OFFICE
REPAIR AND RENOVATIONS**

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**RUBIQUANT
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SECTION 2:
BUILDING WORK

Item No		Quantity	Rate	Amount
	<u>SECTION NUMBER 2</u>			
	<u>BILL NUMBER 1</u>			
	<u>ALTERATIONS (PROVISIONAL)</u>			
	JBCC Work Group No. 102			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	For Preambles see "PW371 - Specification of Materials and Methods to be used"			

	NOTE : All materials from demolitions are to be removed from site unless otherwise stated.			
	The whole of the old materials arising from the alterations shall become the property of the Contractor and shall be carted away from the site immediately as it becomes available.			

1	Bidders are notified that the existing buildings are presently occupied and employees will take out and remove their own furniture, fixtures and fittings before vacating any part of the premises. Tenderers shall liaise with the Architect to ascertain which furniture, fixtures and fittings form part of the building to be handed over for alterations before making allowances in respect thereof and before submitting a tender. The repairs and renovations to the offices will be one office at a time, must take in consideration that it will take longer to complete the office block	Item		
2	No services (ie. air conditioning, telephone systems, electricity, etc.) shall be disconnected or disturbed in any way by the Contractor without due notice to the Architect, who will make the necessary arrangements, etc., thereto. The Contractor shall be liable for any damage to this work and shall make same good at his own expense.	Item		
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3	The removal of and alterations to the electrical and air conditioning installations shall be executed by direct sub-contractors (as elsewhere provided) and the Contractor shall be responsible for the co-ordination of such work with his own.	Item		
4	Prices for the demolition of any portion of the structure shall include for its demolition complete with all surface finishes such as plaster, screeds, etc., all attached items of joinery such as skirtings, etc., and all reinforcement, conduit, pipes, lintels, etc., built into that portion of the structure.	Item		
5	In taking down and removing existing work the utmost care shall be observed to avoid any structural or other damage to the remaining portions of the building. The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur.	Item		
6	Provide and erect all casings and protection for and cover up all existing fittings, doors, windows, joinery work, walls, floors, etc., not disturbed during the alterations, clear away and make good on completion.	Item		
7	Provide, erect and remove when directed all temporary roof coverings, tarpaulins, dust and weatherproof screens and barriers that may be necessary as protection against inclement weather or other damage, to the Architect's satisfaction.	Item		
8	Allow for watering the Works with a jet or spray sufficiently to prevent any nuisance from dust during the alterations or demolitions.	Item		
9	Provide, erect and remove when directed all incidental shoring, needling, strutting, etc., that may be necessary while carrying out any portion of the Works to ensure stability of the premises with suitable and substantial timber and other materials. Prices for all items of demolition to form openings shall include for the provision of such support.	Item		
10	Prices for the removal of doors and frames shall include for the removal of fanlights, ironmongery, architraves and other associated trimmings.	Item		
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11 Prices for the removal of sanitary fittings shall include for the removal of copper service pipes, traps, brackets and cisterns.

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<u>TEMPORARY BARRIERS & SCREENS</u>				
<u>Temporary , barriers , screens , etc. including removal :</u>				
12	Dust screen 2.70m high between concrete floor and ceiling of suitable timber framing with 250 micron polyethylene sheeting stapled on , including corners , ends , etc.	m	22	
<u>TAKING OVER SITE (102)</u>				
13	Allow for taking over and verifying the site and existing structures thereon. Within three weeks of receiving possession of the site the Contractor shall check the extent, positions, salient dimensions and levels of the existing reinforced concrete frame and all other work constructed under the previous contracts and shall ascertain that they correspond with the positions, salient dimensions and levels of the Works as shown on the drawings issued for this Contract.		Item	
14	In the event of any discrepancies being found the Contractor shall immediately notify the Architect thereof.		Item	
<u>REMOVAL OF EXISTING WORK</u>				
<u>Break up and remove mass concrete:</u>				
15	Aprons, water channels and foundations	m3	16	
<u>Breaking up and removing reinforced concrete including cutting off and removing reinforcement:</u>				
16	Steps and landings	m3	5	
17	Ramps	m3	9	
18	100mm to 200mm Thick surface bed	m3	55	
<u>Taking out and removing doors, windows, etc</u>				
19	Timber single door and steel frame	No	54	
20	Steel strongroom single door and frame	No	2	
21	Single security gate	No	19	
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**BERGVILLE MAGISTRATE OFFICE
REPAIR AND RENOVATIONS**

22	Garage door	No	5
	<u>Take out and remove built in cupboard doors, frames, shelves, cleats, bearers and shelving from brickwork.(new measured elsewhere)</u>		
23	Timber shelving approximately 2 100mm high, consisting of five timber shelves with wall brackets fixed to brickwork including making good to plaster	m	28
24	Timber coat hooks approximately 3 600mm long, consisting of one timber rail with hooks fixed to brickwork including making good to plaster	m	8
	<u>Taking out and removing kitchen units, etc.</u>		
25	Steel sink unit including removing sink, temporarily disconnecting services and reinstating when new cupboard and sink (elsewhere measured) installed	No	2
26	Ditto, Floor unit	No	2
	<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc:</u>		
27	Plaster from walls external	m2	62
28	Plaster from walls internal	m2	78
	<u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes:</u>		
29	Ceramic tiles to walls	m2	88
	<u>Hacking up/off and removing porcelain tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes:</u>		
30	Ceramic tile to floors	m2	581

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<u>Taking down and removing vinyl floor covering, carpet, ceiling, etc. and prepare to receive new</u>				
31	Gypsum plasterboard or fibre cement ceilings including cornices, cover strips, timber bandering, etc. (Provisional)	m2	549	
32	Suspended ceiling exceeding 3m high above floor level to receive new suspended ceiling (elsewhere measured)	m2	93	
33	Accoustic panels to court rooms	m2	59	
34	Accoustic ceiling boards to court rooms walls	m2	24	
35	Vinyl tile floor covering	m2	488	
36	Carpet floor covering	m2	10	
37	Timber skirtings from brickwork	m	853	
<u>Taking down and removing roofs, flashing, fascias, bargeboards etc</u>				
38	Roof sheeting, verge flashings and timber purlins.	m2	147	
39	Fibre cement fascias and barge boards	m	773	
<u>Taking out and removing water piping, gutters, etc. including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paint work elsewhere):</u>				
40	Galvanised mild steel rainwater pipe and holderbats	m	393	
41	Galvanised mild steel eaves gutter and brackets	m	198	
42	22mm Galvanised steel piping including fittings and brackets	m	122	
43	30mm Galvanised steel piping including fittings and brackets	m	24	
44	50mm uPVC piping including fittings and brackets	m	40	
45	110mm uPVC piping including fittings and brackets	m	78	
46	15mm Copper piping including fittings and brackets	m	145	
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**BERGVILLE MAGISTRATE OFFICE
REPAIR AND RENOVATIONS**

47	22mm Copper piping including fittings and brackets	m	132
48	32mm Copper piping including fittings and brackets	m	92
<u>Take out carefully and remove sanitary fittings complete with all pipe work, fittings, etc., to receive new.</u>			
49	Wash hand basin	No	15
50	WC Suite consisting of pan and cistern complete	No	18
51	Urinal	No	2
52	Stainless steel single bowl sink 2 000mm on sink floor unit	No	2
53	High pressure water heater, including temporarily stopping off services (new geyser elsewhere)	No	3
<u>Taking out and removing ironmongery:</u>			
54	Remove pelmet and curtain track, including making good to plaster	m	45
55	Towel rails including making good to brickwork or tiling, etc.	No	4
56	Toilet roll holder including making good to brickwork or tiling, etc.	No	6
<u>Taking out and removing joinery fittings, etc.</u>			
57	Carefully remove all court room benches, tables, etc. and place in store for safe keeping	No	10
58	Carefully remove all loose furniture, cabinets, cupboard etc. and place in store for safe keeping	No	18
59	Carefully remove all waiting room benches and place in store for safe keeping	No	5
<u>Taking out and removing glass and mirrors.</u>			
60	Mirrors not exceeding 1,0 m2	m2	4
61	Glass panes from windows not exceeding 1,0 m2	m2	26

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<u>CUTTING THROUGH FLOORS AND CEILINGS</u>				
<u>Cutting through floors</u>				
62	Cutting through 100mm thick concrete surface bed for trenching for piping not exceeding 150mm wide, including making good concrete	m	11	
<u>MAKING GOOD OF FINISHES ETC</u>				
<u>Service existing steel windows</u>				
63	Overhaul, adjust and service to ensure proper operation	No	47	
64	Extra on servicing existing steel window sash for supply and fitting new handle	No	34	
65	Extra on servicing existing steel window sash for supply and fitting sliding stay	No	34	
<u>Servicing of ironmongery :</u>				
66	Service existing mortice lock , oil and ease furniture and lock , replace missing keys , and refix with matching screws incl. ressetting striking plate .	No	21	
<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
<u>Clean existing roof covering using a high pressure water cleaning system and steel brushes removing all loose paint, spawl and deliterious matter.</u>				
67	Corrugated roof sheeting.	m2	704	
<u>Preparation to existing vertical surfaces</u>				
68	Chipping existing plaster to receive wall tiling (tiling elsewhere)	m2	34	
<u>Preparation to existing horizontal surfaces.</u>				
69	Hack face of existing screeds to receive floor tiling (tiling elsewhere)	m2	495	
70	Sand down, clean, prepare and varnish existing Hardwood floor covering according to Architect specification	m2	94	
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<u>Making good cement plaster:</u>				
71	Chase out plaster cracks to form recess 25mm wide and 20mm deep, and fill with 1:4 cement mortar, including floating up smooth to match existing.	m	34	
72	Chase out cracks in plastered brickwork to form groove, hack away plastered surface to form approximately 300 mm wide clean surface, fix chickenmesh over whole opening and plaster to a smooth surface to match existing	m	15	
<u>Pressure clean to remove all dirt, algae, etc., point and fill joints where necessary</u>				
73	On external facebrick work	m2	176	
<u>Sundries:</u>				
74	Carefully cut out and remove damaged window cills from brick wall, pointing and repoint with 3:1 cement mortar to match existing with colour matched tinted mortar	m	45	
75	Cut out for brass dividing strip or weather bar in existing concrete floor	m	76	
76	Sand down existing surface not exceeding 500mm wide and prepare and seal with approved timber sealer.	m	17	
77	Clean out existing conservancy tank in ground approximately 5000 x 3000 x 2000mm deep complete	No	1	
<u>Clean all concrete and paving surfaces and treat with weed poison</u>				
78	Concrete surfaces	m2	269	
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PREVIOUSLY PAINTED SURFACES

General Notes:

All surfaces to be perfectly dry & in a fit state to receive paint before any application commences

ON PLASTER

Wash down, remove all loose & flaking paint, rake out all cracks & crevices and fill approved flexible acrylic sealant, spot prime and rub down to even surface to receive new paint.

79	On internal plastered walls	m2	1 134
80	On external plastered walls	m2	625

ON METAL

Prepare, removing all rust to bright metal, spot priming bare metal surfaces with zinchromate primer to receive new paint on:

81	On gates, grilles, burglar screens, balustrades, etc. (both sides measured over the full flat area)	m2	15
82	On windows with burglar proofing (both sides measured)	m2	69

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<u>SECTION NUMBER 2</u>			
<u>BILL NUMBER 2</u>			
<u>EARTHWORKS (Provisional)</u>			
JBCC Work Group No. 104			
<u>SUPPLEMENTARY PREAMBLES</u>			
For Preambles see "PW371 - Specification of Materials and Methods to be used"			

<u>Carting away of excavated material</u>			
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.			

<u>EXCAVATION. ETC.</u>			
<u>Excavation in earth not exceeding 2.00m deep</u>			
1	Reduce levels under floors	m3	149
2	Trenches "LI"	m3	237
3	Holes "LI"	m3	147
<u>Extra over all excavations for carting away</u>			
4	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	319
<u>Risk of collapse of excavations</u>			
5	Sides of excavations not exceeding 1,50m deep	m2	1 146
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<u>Keeping excavations free of water</u>					
6	Keeping excavations free of water		Item		
<u>FILLING, ETC.</u>					
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Modified AASHTO density</u>					
7	Backfilling to trenches, holes, etc.	m3	160		
<u>Earth filling supplied by the contractor compacted to 90% Modified AASHTO density</u>					
8	Under floors, steps, pavings, etc.	m3	111		
<u>Compaction of surfaces</u>					
9	Compaction of ground surface under floors, 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	656		
<u>SOIL POISONING</u>					
<u>Soil insecticide</u>					
10	Under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming	m2	537		
11	To bottoms and sides of trenches, etc.	m2	302		
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<u>SECTION NUMBER 2</u>			
<u>BILL NUMBER 3</u>			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
For Preambles see "PW371 - Specification of Materials and Methods to be used"			

<u>CONCRETE</u>			
JBCC Work Group No. 110			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>15MPa/19mm concrete</u>			
1	Surface blinding under footings and bases	m3	9
<u>20MPa/19mm concrete</u>			
2	Concrete infill between brick skins, cast in maximum 1500mm highs	m3	42
<u>REINFORCED CONCRETE</u>			
<u>25 Mpa/19mm Concrete poured around reinforcement:</u>			
3	Strip footings	m3	55
4	Surface beds	m3	55
5	Ramp	m3	10
6	Bases	m3	35
7	Stub Columns	m3	3
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<u>30MPa/19mm concrete poured around reinforcement:</u>			
8	Slab	m3	16
9	Beams	m3	17
10	Columns	m3	5
<u>TEST BLOCKS</u>			
11	Making and testing set of three of 150 x 150 x 150mm concrete strength test cubes (Provisional)	Sets	32
<u>CONCRETE SUNDRIES</u>			
<u>Finishing surfaces of concrete smooth with a wood float</u>			
12	Surface beds, slabs, etc.	m2	163
<u>Finishing surfaces of concrete smooth with a power float</u>			
13	Surface beds, slabs, etc.	m2	470
<u>MOVEMENT JOINTS. ETC.</u>			
<u>Concrete movement joint with 10mm polystyreen between vertical brick and concrete surfaces</u>			
14	Concrete movement joint	m	94
<u>Slip joints</u>			
15	Two layers 3 mm thick tempered masonite not exceeding 300 mm wide fixed horizontally in position between brick and concrete surfaces	m	94
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FORMWORK

JBCC Work Group No. 111

GENERAL FORMWORK

General formwork

16	Edges, risers, ends and reveals not exceeding 300mm high or wide "LI"	m	31
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Rough formwork to soffits

17	Slab propped up not exceeding 3.5m "LI"	m2	96
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Smooth formwork to sides and soffits of

18	Beams not exceeding 3.5m high "LI"	m2	146
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19	Columns not exceeding 3.5m high "LI"	m2	101
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REINFORCEMENT (Provisional)

JBCC Work Group No. 114

Fabric reinforcement

20	Type 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	520
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21	Type 617 fabric reinforcement in concrete surface beds, slabs, etc	m2	17
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Mild steel reinforcement

22	8mm Diameter rods	t	15.57
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23	10mm Diameter rods	t	4.28
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High tensile steel reinforcement

24	12mm Diameter bars	t	12.51
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COLLECTION

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Bill No. 3
Concrete, Formwork & Reinforcement
**RUBIQUANT
QUANTITY SURVEYORS**

R

FACE BRICKWORK

Face bricks pointed with horizontal and vertical joints to match existing

8	Extra over brickwork for face brickwork	m2	25
9	Brick-on-edge header course coping to top of one brickwall, built fair and pointed on top and both edges	m	23

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Masonry
RUBIQUANT
QUANTITY SURVEYORS

R

<u>BRICKWORK SUNDRIES</u>				
<u>Joint forming material in movement joints</u>				
10	12mm Bitumen impregnated fibre board built in vertically between brick skins (Provisional)	m2	12	
<u>Brickwork reinforcement</u>				
11	75mm Wide reinforcement built in horizontally	m	4 311	
12	150mm Wide reinforcement built in horizontally	m	1 296	
<u>Prestressed lintels</u>				
13	100 x 70mm Lintels in lengths not exceeding 3m	m	72	
<u>Turning pieces</u>				
14	220mm Wide turning piece to lintels, etc	m	2	
<u>Galvanised hoop iron cramps, ties, etc</u>				
15	32 x 1,6mm Roof tie 1600mm long with one end fixed to timber and other end built into brickwork	No	375	
<u>Air bricks, etc. (Provisional)</u>				
16	230 x 150mm Clay vermin proof air brick	No	8	
<u>SILLS, ETC</u>				
<u>Fibre cement sills including galvanised lugs and fixing to brickwork to match existing</u>				
17	Internal sill set flat and slightly projecting	m	19	
<u>Tiled sills including galvanised lugs and fixing to brickwork to match existing</u>				
18	External sill set sloping	m	19	
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Masonry

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Bill No. 4

Masonry

RUBIQUANT

QUANTITY SURVEYORS

WATERPROOFING

JBCC Work Group No. 120

SUPPLEMENTARY PREAMBLES

For Preambles see "PW371 - Specification of Materials and Methods to be used"

DAMPPROOFING OF WALLS AND FLOORS

One layer of 375 micron embossed polyethylene damp proof course

- 1 In walls, below sills, etc.

m2	72
----	----

One layer of 250 micron polyethylene waterproof membrane sealed at laps with pressure sensitive tape

- 2 Under surface beds

m2	537
----	-----

SHEET STEEL FLASHINGS, LININGS, COPINGS,
ETC

0.8mm Z275 galvanised steel with "Chromadek"
finish one side and standard backing coat

FLASHINGS

- 3 "Sealoflex G2" cover flashing or other approved, sealed to wall and over roofing, etc., in strict accordance with the manufacturer's instructions, or other approved

m2	23
----	----

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Section No. 2
Bill No. 5
Waterproofing
RUBIQUANT
QUANTITY SURVEYORS

WATERPROOFING TO ROOFS

Derbigum roofing to low-slope (flat) screeded concrete roofs or other approved

- 4 One layer SP4 waterproofing membrane, with 75mm side and 100mm end laps, sealed to bitumen primed surface to falls and cross falls by 'torchfusion' finished with two coats bitumenous aluminum paint.
(Waterproofing to be installed by an Approved Contractor under a ten year guarantee)

m2

96

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Waterproofing
RUBIQUANT
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Bill No. 5

Waterproofing

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Bill No. 5

Waterproofing

**RUBIQUANT
QUANTITY SURVEYORS**

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BILL NUMBER 6			
ROOF COVERINGS, ETC.			
JBCC Work Group No. 122			
SUPPLEMENTARY PREAMBLES			
For Preambles see "PW371 - Specification of Materials and Methods to be used"			
PROFILED METAL SHEETING AND ACCESSORIES			
<u>Global Roofing Solutions or equal and approved @ 700.58mm thick 700mm cover Klip-Tite™ profile Z275spelter ISQ550 galvanised steel roof sheeting, fixed totimber intermediate purlins at 600mm centres andeaves and ridge purlins at 600mm centres usingKL700 clips fixed with 10No.16 x 16mm long selfdrilling wafer head PH2 screws, No. 3 drill pointfasteners, all in accordance with the manufacturer'sspecifications.</u>			
CORRUGATED METAL SHEETING AND ACCESSORIES			
<u>0.6mm Full hard corrugated single spelter galvanised sheet steel fixed to timber purlins or rails, with a chromadek coating to architects specification and colour:</u>			
1	Roof covering with pitch not exceeding 25 degrees "LI"	m2	376
2	Roof covering with pitch exceeding 25 degrees "LI"	m2	187
Carried to Collection			R
Section No. 2 Bill No. 6 Roofcovering RUBIQUANT QUANTITY SURVEYORS			

<u>0.6mm Full hard corrugated single spelter galvanised sheet steel fixed to Steel members or rails, with a chromadek coating to architects specification and colour:</u>					
3	Roof covering with pitch not exceeding 25 degrees "LI"	m2	186		
<u>0.6mm Full hard corrugated single spelter galvanised sheet steel fixed to timber purlins or rails, complete with Ridge/Hip flashings manufactured by Global Roofing Solutions upon special request to match existing roof coovering (Paint measured elsewhere):</u>					
4	Roof covering with pitch exceeding 25 degrees "LI"	m2	503		
<u>0.8mm Global Roofing Solutions or equal and approved complete with fixing brackets , all in accordance with the manufacturer's specifications.</u>					
5	Ridge capping	m	119		
6	Eave flashing	m	164		
7	Head wall flashing 375mm girth	m	42		
8	Cover flashing	m	84		
9	Hip capping	m	29		
10	Side wall flashing 460mm girth	m	10		
11	Valley gutter lining, three times bent and dressed into valleys and over battens (elsewhere) with minimum 300mm end laps.	m2	34		
<u>ROOF INSULATION</u>					
<u>Sisalatation 420' heavy industrial grade reinforced aluminium foil and polyethylene insulation</u>					
12	Insulation laid taut over purlins (at maximum 1000mm centres) and fixed concurrent with roof covering, including galvanised steel straining wires "LI"	m2	986		
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Section No. 2 Bill No. 6 Roofcovering RUBIQUANT QUANTITY SURVEYORS					

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Rate

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SECTION NUMBER 2

BILL NUMBER 7

CARPENTRY AND JOINERY

JBCC Work Group No. 126

SUPPLEMENTARY PREAMBLES

For Preambles see "PW371 - Specification of Materials and Methods to be used"

ROOFS, ETC.

PRETREATMENT OF TIMBER

This service falls within the area defined in Government Gazette No 2577 of 1978-12-29 containing regulations for Treatment of Timber against insect pest affecting softwood fixed permanently in the building and tenderers are to make allowance in their rates for any additional expense in this regard.

**THE FOLLOWING IN ROOF CONSTRUCTION TO
REPLACE EXISTING**

ROOF CONSTRUCTION

All trusses are to be manufactured by an approved specialist factory

Carried to Collection

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Section No. 2
Bill No. 7
Carpentry and Joinery
**RUBIQUANT
QUANTITY SURVEYORS**

GENERAL

TRUSS LOADING

The trusses have to be designed for a live load of 0,50kN/m²

The dead load of the trusses shall be to accommodate concrete roof tiles on 38 mm x 38 mm SA Pine battens, a gypsum and / or fibre cement board ceiling nailed on 38 x 38 mm branderling at 450 mm centres in both directions and 75 mm insulation wool

TRUSS DESIGN

All trusses shall be designed by a Registered Professional Engineer (in accordance with the SABS Code of Practices for the Design of Timber Structures)

TRUSS PITCH

The truss pitch shall be as described in the Bills of Quantities for each respective truss type

PREFABRICATED TIMBER ROOF TRUSSES (PROVISIONAL)

The following in plate nailed timber roof trusses with a pitch not exceeding 27.5°, from an approved supplier, delivered to site, hoisted into position, fixed and braced on timber wall plates,

- 1 Single pitch timber roof truss construction with 2 degree slope, 200mm over-hang both sides and tie beam spanning 8.00 - 14.00m, complete for L-Shaped Walkway covering size 13m x 4m wide and 14m x 4m wide approximately, with 1.2m spacing between trusses, including cross bracing etc.

Note: price for complete roof construction for hole building excluding wall plates, and purlins.

No

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Carpentry and Joinery
**RUBIQUANT
QUANTITY SURVEYORS**

2	Single pitch timber roof truss construction with 2 degree slope, 200mm over-hang both sides and tie beam spanning 8.00 - 11.00m, complete for Walkway covering size 11m x 3m wide approximately, with 1.2m spacing between trusses, including cross bracing etc.				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
3	Double pitch timber roof truss construction with 10 degree pitch, 400mm over-hang both sides and tie beam spanning 2.00 - 3.00m, complete for walkway size 11m x 3m approximately, with 1.2m spacing between trusses, including cross bracing etc.				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
4	Double pitch timber roof truss construction with 10 degree pitch, 400mm over-hang both sides and tie beam spanning 2.00 - 3.00m, complete for walkway size 8m x 3m approximately, with 1.2m spacing between trusses, including cross bracing etc. including tie into roof truss construction for guard house building				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
5	Double pitch timber roof truss construction with 10 degree pitch, 400mm over-hang both sides and tie beam spanning 2.00 - 3.00m, complete for walkway size 8m x 3m approximately, with 1.2m spacing between trusses, including cross bracing etc. including tie into existing concrete slab				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
6	Double pitch timber roof truss construction with 10 degree pitch, 400mm over-hang both sides and tie beam spanning 2.00 - 3.00m, complete for walkway size 5m x 3m approximately, with 1.2m spacing between trusses, including cross bracing etc. including tie into 15degree stop walkway roof				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
Carried to Collection					R
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7	Single pitch timber roof truss construction with 15 degree slope, 200mm over-hang one sides fix to wall on the high side and tie beam spanning 2.00 - 3.00m, complete for Walkway covering size 6m x 2.5m wide approximately, with 1.2m spacing between trusses, including cross bracing etc.				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
8	Single pitch timber roof truss construction with 15 degree slope, 200mm over-hang one sides fix to wall on the high side and tie beam spanning 2.00 - 3.00m, complete for Walkway covering size 8m x 2.5m wide approximately, with 1.2m spacing between trusses, including cross bracing etc.				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
9	Double pitch timber roof truss construction with 15 degree pitch, 400mm over-hang both sides and tie beam spanning 4.00 - 5.00m, complete for walkway size 5m x 4m approximately, with 1.2m spacing between trusses, including cross bracing etc. including tie into brickwork				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
10	Hipped pitch timber roof truss construction with 18 degree pitch, 600mm over-hang both sides and tie beam spanning 4.00 - 5.00m, complete for walkway size 5m x 5m approximately, with 1.2m spacing between trusses, including cross bracing etc.				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
11	Double pitch timber roof truss construction with 30 degree pitch, 600mm over-hang both sides and tie beam spanning 4.00 - 5.00m, complete for building new ablution size 5m x 4m approximately, with 1.2m spacing between trusses, including cross bracing etc. including tie into existing roof covering				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
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Section No. 2 Bill No. 7 Carpentry and Joinery RUBIQUANT QUANTITY SURVEYORS					

12	Double pitch timber roof truss construction with 30 degree pitch, 600mm over-hang both sides and tie beam spanning 7.00 - 8.00m, complete for building new magistrate office size 9m x 6m approximately, with 1.2m spacing between trusses, including cross bracing etc. including tie into existing roof covering				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
13	Hipped pitch timber roof truss construction with 30 degree pitch, 600mm over-hang both sides and tie beam spanning 7.00 - 8.00m, complete for New waiting area building size 8m x 6m approximately, with 1.2m spacing between trusses, including cross bracing etc.				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
14	Double pitch timber roof truss construction with 30 degree pitch, 600mm over-hang both sides and tie beam spanning 6.00 - 7.00m, complete for building new cell block office size 13m x 7m approximately, with 1.2m spacing between trusses, including cross bracing etc. including tie into new roof construction approximately 6m wide to form valleys				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
15	Double pitch timber roof truss construction with 30 degree pitch, 600mm over-hang both sides and tie beam spanning 5.00 - 6.00m, complete for building new cell block office size 8m x 6m approximately, with 1.2m spacing between trusses, including cross bracing etc. including tie into new roof construction approximately 6m wide to form valleys				
	Note: price for complete roof construction for hole building excluding wall plates, and purlins.	No	1		
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Section No. 2 Bill No. 7 Carpentry and Joinery RUBIQUANT QUANTITY SURVEYORS					

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Bill No. 7
Carpentry and Joinery
RUBIQUANT
QUANTITY SURVEYORS

<u>Sundries</u>				
20	18mm thick shutter board screwed to 114x38mm timber trusses at 450 centres with steel woodscrews (countersunk size 4mm diameter and a length of 75mm)	m2	118	
21	Teco two way hurricane clips	No	452	
22	150x50 Steel shoe made from 3mm thick with a back plate ,with slotted holes to take M12 bolts (chemical for fixing to wall). The Flanges to have slotted holes to take M12 Stainless Steel bolts with Nuts to fixed the timber to the shoe	No	63	
23	Two coats ABE Provonite on roof timbers	m2	472	
<u>EAVES, VERGES, ETC.</u>				
<u>Pressed fibre cement</u>				
24	15 x 225mm Nutec fibre cement fascia board screwed to splayed purlin and soffit purlin with galvanized grabber screws at 600mm centres	m	609	
25	15 x 225mm Angle section barge boards including aluminium H-profile jointing strips.	m	164	
<u>SKIRTINGS</u>				
<u>Wrought hardwood</u>				
26	19 x 75mm Moulded meranti skirting with quarter round	m	62	
<u>CORNICE, ETC.</u>				
<u>Wrought hardwood</u>				
27	46 X 24 mm Hardwood cornice with 10 x 10 mm shadow recess (Provisional)	m	122	
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<u>DOORS</u>				
<u>"Max on Top" solid core door with four concealed edges, Pre-coated with high pressure laminate by manufacturer both sides or other approved as specified by architect</u>				
28	40mm Thick door size 813 x 2032mm high	No	35	
29	40mm Thick double door size 988 x 2130mm high	No	1	
<u>BABY CHANGING STATION</u>				
<u>"Guri S.A t/a Candid Baby" or other approved</u>				
30	Candid Baby changing station (KB200) horizontal, surface mounted size 894mm x 565mm high, Depth closed: 102mm, Depth open: 589mm complete as per architect specification	No	2	
<u>BEADS, ARCHITRAVES, ETC.</u>				
<u>Wrought hardwood</u>				
31	32 x 70 mm Profiled and grooved weather bar with and including sealing at joint with door	m	19	
<u>JOINERY FITTINGS</u>				
<u>THE FOLLOWING IN WORKTOPS, ETC.</u>				
<u>Worktop of 32mm thick high pressure Laminate finish</u>				
32	Worktop 600mm wide with bevelled edges, fixed to wall with suitably sized brackets (SUP001) with matching fascia including zink cut out and fitments to detail (See detail at the back of Bill of Quantities TOP001-TOP004).	m	2	
33	Worktop 600mm wide with bevelled edges, fixed to wall with suitably sized brackets (SUP001) to detail (See detail at the back of Bill of Quantities TOP057-TOP060).	m	13	
34	Counter top size 1174mm wide x 3000mm in length. (See detail C01 & C02)	No	2	
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<u>Worktop of 30mm thick solid surface finish</u>				
35	Worktop 600mm wide with bevelled edges, fixed to wall with suitably sized brackets (SUP001) with matching fascia to detail (See detail at the back of Bill of Quantities TOP013-TOP016).	m	1	
<u>THE FOLLOWING IN COUNTER, WORKSTATION, ETC.</u>				
<u>Prefabricated Factory Finished Cupboards as per the Architect's specifications</u>				
The following cupboard fittings have been measured as complete units, i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, gluing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic laminate of approved colour and pattern, glass, ironmongery, metalwork, etc				
<u>Notes:</u>				
All cupboards are to be from a reputable manufacturer of melamine cupboard units. Cupboard doors to have laminated finish, with shelving and interior colour to architects specification. Doors to be hung on adjustable concealed hinges. Work tops to be of approved tops, sealed at edges and joints				
FU = Floor mounted unit WU = Wall mounted unit				
36	Floor unit FU size 450 x 560 x 880mm high with one cupboard (See cupboard detail under Drawings CUPF001)	No	1	
37	Floor unit FU size 560 x 450 x 880mm high with four drawers (See cupboard detail under Drawings CUPF003)	No	3	
38	Floor unit FU size 900 x 560 x 880mm high with two cupboards (See cupboard detail under Drawings CUPF004)	No	4	
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39	Floor unit FU size 1000 x 560 x 880mm high with two cupboards (See cupboard detail under Drawings CUPF005)	No	2		
40	Floor unit FU size L-Shaped 900 x 560 x 880mm and 900 x 560 x 880mm high with two cupboards (See cupboard detail under Drawings CUPF006)	No	1		
41	Floor unit FU size 450 x 600 x 2040mm high with one cupboard (See cupboard detail under Drawings CUPF007)	No	1		
42	Floor unit FU size 450 x 560 x 718mm high with one cupboard (See cupboard detail under Drawings CUPF016)	No	4		
43	Infill panel approximately 880mm high (See cupboard detail under Drawings CUPF018)	No	2		
44	Floor unit FU size 450 x 560 x 718mm high with three drawers (See cupboard detail under Drawings CUPF022)	No	5		
45	Floor unit FU size 450 x 560 x 718mm high with three drawers (See cupboard detail under Drawings CUPF023)	No	8		
46	Floor unit FU size 900 x 560 x 680mm high with two cupboards (See cupboard detail under Drawings CUPF054)	No	1		
47	Floor unit FU size 800 x 315 x 1505mm high with two cupboards (See cupboard detail under Drawings CUPF082)	No	3		
48	Wall cupboard WU 800mm wide x 300mm and 720mm high, with two cupboards (See cupboard detail under Drawings CUPW005)	No	3		
49	Wall cupboard WU 650mm wide x 300mm deep top with 450mm deep bottom and 720mm high, (See cupboard detail under Drawings CUPW016)	No	3		
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THE FOLLOWING IN STORAGE SHELVES

Laminated SA Pine

50	22 x 400 mm Wide laminated SA pine shelves with 16 x 16 mm hardwood edging fixed to frame	m	28
----	---	---	----

Mobile storage units

51	Light Grey epoxy coated mobile shelving 1827mm wide x 380mm deep x 2645mm high shelving units consisting of 900mm modules with three steel tracks at 900mm centres as per approval of Architect (Layout at back of Bill of Quantities)	No	10
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Bill No. 7
Carpentry and Joinery
RUBIQUANT
QUANTITY SURVEYORS

COURT ROOM JOINERY FITTINGS

**PREPARATORY WORK TO EXISTING COURT ROOM
FURNITURE**

52	Sand down and repair existing Magistrate bench and prepare and seal as per Architect Specification	No	1
53	Sand down and repair existing Witness box and prepare and seal as per Architect Specification	No	1
54	Sand down and repair existing Accused box and prepare and seal as per Architect Specification	No	1
55	Sand down and repair existing Accoustic Panel, size 1500 x 1 500mm high, and prepare and seal as per Architect Specification	No	8
56	Sand down and repair existing Public Bench and prepare and seal as per Architect Specification	m	28
57	Sand down and repair existing Public barrier and prepare and seal as per Architect Specification	m	8

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Carpentry and Joinery
**RUBIQUANT
QUANTITY SURVEYORS**

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Carpentry and Joinery

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Bill No. 7

Carpentry and Joinery

RUBIQUANT

QUANTITY SURVEYORS

SUSPENDED CEILINGS

600 mm Wide x 1200 mm long x 12,7 mm thick acoustic board suspended ceiling panels with fissured embossed vinyl laminated finish on pre-painted white exposed tee suspension system including main and cross sections, hangers and angles, grids complete, installed strictly to manufacturer's specifications. Colour and finish to Architect's approval

- | | | | |
|---|--|----|----|
| 5 | To ceilings suspended exceeding 0,5m and not exceeding 2m below timber purlins, Suspended ceiling exceeding 3m above ground ant not exceeding 9m above ground "LI" | m2 | 93 |
| 6 | Extra over ceiling for forming trap door size 600 x 600mm (Provisional) | No | 1 |
| 7 | 19 x 25mm "LSM25" Recessed wall angle with colour and finish to Architect's approval | m | 40 |

CEILING INSULATION

Resin bonded glass fibre insulation in blanket form

- | | | | |
|---|--|----|-----|
| 8 | 500mm Insulation laid over brandering "LI" | m2 | 549 |
|---|--|----|-----|

CORNICES, ETC.

Pelican JUMBO, or similar approved, coved cornice

- | | | | |
|---|-------------------------|---|-----|
| 9 | 75mm Coved cornice "LI" | m | 680 |
|---|-------------------------|---|-----|

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Ceilings, Partitions & Access Flooring
RUBIQUANT
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Ceilings, Partitions & Access Flooring

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Bill No. 8

Ceilings, Partitions & Access Flooring

RUBIQUANT

QUANTITY SURVEYORS

EDGES, ETC.

Aluminium dividing strips

- | | | | |
|---|--|---|----|
| 4 | 12mm High M-Trim mill finish dividing strip in concrete thresh hold (Code: AFTIR120) or other approved | m | 42 |
|---|--|---|----|

ENTRANCE MAT

Matco

- | | | | |
|---|--|----|---|
| 5 | 2000 x 3200mm X 13mm Matco Super Scraper interior entrance mat (Code 2404), consisting of 100% polypropylene needle ribs alternated with perforated polyamide brush strips, loose laid with PVC edging, allin accordance with the manufacturer's recommendations or other approved | No | 2 |
|---|--|----|---|

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Floor Coverings
RUBIQUANT
QUANTITY SURVEYORS

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Floor Coverings

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Floor Coverings

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