

<u>Item No</u>		<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION No. 1</u>			
	<u>BILL No. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
	i) The agreement is to be the JBCC Series 2000 Principal Building Agreement, Edition 4.1 March 2005, and other contract documents that together form the contract between the employer and contractor			
	ii) The preliminaries are to be the JBCC Series 2000 Code 2103 Preliminaries prepared by the Joint Building Contracts Committee, May 2005 edition and shall be deemed to be incorporated herein			
	iii) Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
	iv) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading			
	v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
	<u>PREAMBLES FOR TRADES</u>			
	The Model Preambles for Trades (2008 edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained			
	Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles			
	Carried to Collection		R	
	Section No. 1 Bill No. 1 Preliminaries			
	FEBRUARY 2023			

The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles

PRICING OF PRELIMINARIES

If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where

"F" denotes a fixed amount (amount not to be varied),
"V" denotes an amount variable in proportion to value and
"T" denotes an amount in proportion to time

SECTION A: PRINCIPAL BUILDING AGREEMENT

Definitions (A1)

- 1 Definitions and interpretation (clause 1)

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

Item

Objective and Preparation (A2 to A14)

- 2 Offer acceptance and performance (clause 2)

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

Item

- 3 Documents (clause 3)

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

Item

- 4 Design responsibility (clause 4)

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

Item

- 5 Employer's agents (clause 5)

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

Item

- 6 Site representative (clause 6)

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

Item

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

FEBRUARY 2023

7	<p>Compliance with regulations (clause 7)</p> <p>Without limiting the generality of the provisions of Clause 7.0, the contractor's attention is drawn to the provisions of the Construction Regulations, 2014 issued in terms of the Occupational Health and Safety Act, 1993 and Part C4.2 (Annexure C) of this tender document. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor must also comply with all Covid-19 regulations and protocols. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specifications.</p> <p><u>Asbestos removal.</u> The Contractor must make provision in his price for the appointment of a independent qualified certified and registered asbestos inspector to evaluate and monitor the removal of any asbestos material encountered in the course of the works.</p> <p>The Contractor shall provide a breakdown of the price against the following items:</p> <p>(a) : Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations R_____</p> <p>(b) : Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations R_____</p> <p>(c) : Provision of a part time / full time (delete as applicable) Construction Safety Officer R_____</p> <p>(d) : Asbestos inspector R _____</p> <p>F: V:..... T:.....</p>				
8	<p>Works risk (clause 8)</p> <p>F: V:..... T:.....</p>	Item			
9	<p>Indemnities (clause 9)</p> <p>F: V:..... T:.....</p>	Item			
Carried to Collection					R
<p>Section No. 1 Bill No. 1 Preliminaries FEBRUARY 2023</p>					

10	Works insurances (clause 10) F: V:..... T:.....	Item		
11	Liability insurances (clause 11) F: V:..... T:.....	Item		
12	Effecting insurance (clause 12) F: V:..... T:.....	Item		
13	NO CLAUSE	N/A		
14	Security (clause 14) F: V:..... T:.....	Item		
<u>Execution (A15-A23)</u>				
15	Preparation for and execution of the works (clause 15) F: V:..... T:.....	Item		
16	Access to the works (clause 16) F: V:..... T:.....	Item		
17	Contract instructions (clause 17) In addition to the provisions of sub-clause 17.3 contract instructions are to be recorded in triplicate in a contract instruction book, which is to be supplied and maintained on site by the Contractor. F: V:..... T:.....	Item		
18	Setting out of the works (clause 18) F: V:..... T:.....	Item		
19	Assignment (clause 19) F: V:..... T:.....	Item		
20	Nominated subcontractors (clause 20) F: V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Bill No. 1 Preliminaries FEBRUARY 2023				

21	Selected subcontractors (clause 21) F: V:..... T:.....	Item		
22	Employer's Direct Contractors (clause 22) F: V:..... T:.....	Item		
23	Contractor's Domestic Sub-Contractors (Clause 23) F: V:..... T:.....	Item		
<u>Completion (A24-A30)</u>				
24	Practical completion (clause 24) F: V:..... T:.....	Item		
25	Works completion (clause 25) F: V:..... T:.....	Item		
26	Final completion (clause 26) F: V:..... T:.....	Item		
27	Latent defects liability period (clause 27) F: V:..... T:.....	Item		
28	Sectional completion (clause 28) F: V:..... T:.....	Item		
29	Revision of date of practical completion (clause 29) The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor the adjustment of contract value (Clause 29.2) F: V:..... T:.....	Item		
30	Penalty for non-completion (clause 30) F: V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Bill No. 1 Preliminaries FEBRUARY 2023				

<u>Payment (A31 - A35)</u>				
31	Interim payment to the contractor (clause 31) F: V:..... T:.....	Item		
32	Adjustment to the contract value (clause 32) All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor. F: V:..... T:.....	Item		
33	Recovery of expense and loss (clause 33) F: V:..... T:.....	Item		
34	Final account and final payment (clause 34) F: V:..... T:.....	Item		
35	Payment to other parties (clause 35) F: V:..... T:.....	Item		
<u>Cancellation (A36-A39)</u>				
36	Cancellation by employer - contractor's default (clause 36) F: V:..... T:.....	Item		
37	Cancellation by employer - loss and damage (clause 37) F: V:..... T:.....	Item		
38	Cancellation by contractor - employer's default (clause 38) F: V:..... T:.....	Item		
39	Cancellation - cessation of the works (clause 39) F: V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Bill No. 1 Preliminaries FEBRUARY 2023				

	<u>Dispute (A40)</u>			
40	Dispute Settlement (clause 40) F: V:..... T:.....	Item		
	<u>Substitute Provisions (A41)</u>			
41	State clauses (Clause 41) F: V:..... T:.....	Item		
	<u>THE SCHEDULE</u>			
	Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given in VOLUME 3 OF 3 that accompanies these Bills of Quantities Details of changes made to the provision of JBCC standard documentation is given in C1.2 CONTRACT DATA in Volume 3 of 3 that accompanies these Bills of Quantities			
	<u>CONTRACT DATA EC</u>			
42	The defined listed variables applicable to this agreement as contained in the employer to contractor (EC) addendum (clause 42) Information necessary for completion of those clauses contained in the addendum which are necessary for tender purposes is given in C1.2 Contract Data contained in Volume 3 of 3 of the documentation. F: V:..... T:.....	Item		
	<u>SECTION B: PRELIMINARIES</u>			
	<u>Definitions and interpretation (B1)</u>			
43	Definition and interpretation (B1.1 - B1.4.6) F: V:..... T:.....	Item		
	Carried to Collection		R	
	Section No. 1			
	Bill No. 1			
	Preliminaries			
	FEBRUARY 2023			

<u>Documents (B2)</u>				
44	Checking of documents (B2.1) F: V:..... T:.....	Item		
45	Provisional bills of quantities (B2.2) F: V:..... T:.....	Item		
46	Availability of construction documentation (B2.3) F: V:..... T:.....	Item		
47	Interests of agents (B2.4) F: V:..... T:.....	Item		
48	Priced documents (B2.5) F: V:..... T:.....	Item		
49	Tender submission (B2.6) F: V:..... T:.....	Item		
<u>The site (B3)</u>				
50	Defined works area (B3.1) F: V:..... T:.....	Item		
51	Geotechnical investigation (B3.2) F: V:..... T:.....	Item		
52	Inspection of the site (B3.3) F: V:..... T:.....	Item		
53	Existing premises occupied (B3.4) F: V:..... T:.....	Item		
54	Previous work - dimensional accuracy (B3.5) F: V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Bill No. 1 Preliminaries FEBRUARY 2023				

55	Previous work - defects (B3.6) F: V:..... T:.....	Item		
56	Services - known (B3.7) F: V:..... T:.....	Item		
57	Services - unknown (B3.8) F: V:..... T:.....	Item		
58	Protection of trees etc (B3.9) F: V:..... T:.....	Item		
59	Articles of value (B3.10) F: V:..... T:.....	Item		
60	Inspection of adjoining properties etc (B3.11) F: V:..... T:.....	Item		
	<u>Management of contract (B4)</u>			
61	Management of the works (B4.1) F: V:..... T:.....	Item		
62	Programme for the works (B4.2) F: V:..... T:.....	Item		
63	Progress meetings (B4.3) F: V:..... T:.....	Item		
64	Technical meetings (B4.4) F: V:..... T:.....	Item		
65	Labour and Plant records (B4.5) F: V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Bill No. 1 Preliminaries FEBRUARY 2023				

Samples, Shop Drawings and Manufacturer's Instructions (B5)

66	Samples of materials (B5.1)			
	F: V:..... T:.....	Item		
67	Workmanship samples (B5.2)			
	F: V:..... T:.....	Item		
68	Shop drawings (B5.3)			
	F: V:..... T:.....	Item		
69	Compliance with Manufacturer's Instructions (B5.4)			
	F: V:..... T:.....	Item		

Temporary works and plant (B6)

70	Deposits and fees (B6.1)			
	F: V:..... T:.....	Item		
71	Enclosure of the works (B6.2)			
	F: V:..... T:.....	Item		
72	Advertising (B6.3)			
	F: V:..... T:.....	Item		
73	Plant, equipment, sheds and offices (B6.4)			
	F: V:..... T:.....	Item		
74	Main notice board (B6.5)			
	F: V:..... T:.....	Item		
75	Subcontractors' notice board (B6.6)			
	F: V:..... T:.....	Item		

Carried to Collection

R

Section No. 1
Bill No. 1
Preliminaries

FEBRUARY 2023

<u>Temporary services (B7)</u>				
76	Location (B7.1) F: V:..... T:.....	Item		
77	Water (B7.2) Option [A] shall apply F: V:..... T:.....	Item		
78	Electricity (B7.3) Option [A] shall apply F: V:..... T:.....	Item		
79	Telecommunication equipment (B7.4) Option [A] shall apply F: V:..... T:.....	Item		
80	Ablution facilities (B7.5) Option [A] shall apply F: V:..... T:.....	Item		
<u>Prime cost amounts (B8)</u>				
81	Responsibility for prime cost amounts (B8.1) F: V:..... T:.....	Item		
<u>Attendance on N/S Subcontractors (B9)</u>				
82	General attendance (B9.1) F: V:..... T:.....	Item		
83	Special attendance (B9.2) F: V:..... T:.....	Item		
Carried to Collection				
			R	
Section No. 1 Bill No. 1 Preliminaries FEBRUARY 2023				

84	Commissioning - Fuel, water and power (B9.3) F: V:..... T:..... <u>Financial aspects (B10)</u> Statutory taxes, duties and levies (B10.1) F: V:..... T:.....	Item		
85	Payment of preliminaries (B10.2) Option [A] shall apply F: V:..... T:.....	Item		
86	Adjustment of preliminaries (B10.3) Option [A] shall apply F: V:..... T:.....	Item		
87	Payment certificate cash flow (B10.4) F: V:..... T:..... <u>General (B11)</u>	Item		
88	Protection of works (B11.1) F: V:..... T:.....	Item		
89	Protection/isolation of existing/sectionally occupied works (B11.2) F: V:..... T:.....	Item		
90	Security of the Works (B11.3) F: V:..... T:.....	Item		
91	Notice before covering work (B11.4) F: V:..... T:.....	Item		
92	Disturbance (B11.5) F: V:..... T:.....	Item		
Carried to Collection			R	
Section No. 1 Bill No. 1 Preliminaries FEBRUARY 2023				

93	Environmental Disturbance (B11.6)				
	F: V:..... T:.....	Item			
94	Works cleaning and clearing (B11.7)				
	F: V:..... T:.....	Item			
95	Vermin (B11.8)				
	F: V:..... T:.....	Item			
96	Overhand work (B11.9)				
	F: V:..... T:.....	Item			
97	Instruction manuals and guarantees (B11.10)				
	F: V:..... T:.....	Item			
98	As built information (B11.11)				
	F: V:..... T:.....	Item			
99	Tenant Installations (B11.12)				
	F: V:..... T:.....	Item			
<u>SCHEDULE OF VARIABLES (B12)</u>					
100	Pre-tender information (B12.1)				
	The Special Conditions of Contract included in Volume 3 of 3 shall amplify, modify or supersede, as the case may be, the Conditions of Contract of JBCC 2005 to the extent specified therein, and shall take precedence and shall govern in the interpretation of any ambiguity or inconsistency between it and the Conditions of Contract.				
	F: V:..... T:.....	Item			
101	12.1.1 Provisional bills of quantities (B2.2)				
	The quantities are provisional:				
		Yes			
	F: V:..... T:.....	Item			
Carried to Collection					
				R	
Section No. 1					
Bill No. 1					
Preliminaries					
FEBRUARY 2023					

102	12.1.2	Availability of construction documentation (B2.3) Construction documentation is not complete <div style="text-align: right;">Yes</div> F: V:..... T:.....	Item		
103	12.1.3	Interest of agents (B2.4) F: V:..... T:.....	Item		
104	12.1.4	Defined works area (B3.1) The precise area to be occupied by the contractor will be determined at site handover. F: V:..... T:.....	Item		
105	12.1.5	Geotechnical investigation (B3.2) F: V:..... T:.....	Item		
106	12.1.6	Existing premises occupied (B3.4) F: V:..... T:.....	Item		
107	12.1.7	Previous work - dimensional accuracy (B3.5) F: V:..... T:.....	Item		
108	12.1.8	Previous work - defects (B3.6) F: V:..... T:.....	Item		
109	12.1.9	Services - known (B3.7) Where relevant all known services are indicated on the drawings and will be shown out during site handover. F: V:..... T:.....	Item		
110	12.1.10	Protection of trees (B3.9) F: V:..... T:.....	Item		
111	12.1.11	Inspection of adjoining properties (B3.11) F: V:..... T:.....	Item		
Carried to Collection				R	
Section No. 1 Bill No. 1 Preliminaries FEBRUARY 2023					

112	12.1.12 Enclosure of the works (B6.2)				
	F: V:..... T:.....	Item			
113	12.1.13 Offices (B6.4.3)				
	F: V:..... T:.....	Item			
114	12.1.14 Main notice board (B6.5)				
	A notice board is required				
	Yes				
	F: V:..... T:.....	Item			
115	12.1.15 Subcontractors notice board (B6.6)				
	A notice board is required				
	Yes				
	F: V:..... T:.....	Item			
116	12.1.16 Water (B7.2)				
	Alternative Selected: A				
	F: V:..... T:.....	Item			
117	12.1.17 Electricity (B7.3)				
	Alternative selected: A				
	F: V:..... T:.....	Item			
118	12.1.18 Telecommunications (B7.4)				
	Alternative selected: A				
	Telephone and e-mail to be provided				
	F: V:..... T:.....	Item			
119	12.1.19 Ablution facilities (B7.5)				
	Alternative selected: A				
	F: V:..... T:.....	Item			
			Carried to Collection		
Section No. 1			R		
Bill No. 1					
Preliminaries					
FEBRUARY 2023					

[illegible]

Section No. 1

Bill No. 1

Preliminaries

COLLECTION

Total Brought Forward from Page No

Page
No

Amount

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

CARRIED TO FINAL SUMMARY

R

Section No. 1

Bill No. 1

Preliminaries

FEBRUARY 2023

<u>Item No</u>		<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 1</u>			
	<u>ALTERATIONS, DEMOLITIONS, ETC. (ALL TRADES)</u>			
	<u>PREAMBLES</u>			
	For Preambles refer to "Model Preambles for Trades 2008"			
	<u>CLEANING</u>			
1	Scrub down and remove all stains and dirt and leave in a clean state all external face bricks	m ²	4 550	
	<u>REMOVAL OF EXISTING WORK</u>			
	<u>Breaking up and removing mass concrete</u>			
2	Concrete surface beds	m ²	20	
3	Saw cut minimum 50mm deep for demolition of surface beds	m	80	
4	Hack up and remove screed and prepare for new screed	m ²	1 225	
	<u>Taking up and removing roofs</u>			
	<i><u>Sheeting and trusses</u></i>			
5	Profiled roof sheeting complete with flashings and counter flashings, removal of gutters, etc.	m ²	3 674	
6	Ditto, Asbestos roof sheeting by registered and approved contractor in compliance with Section 20 of the Environment Conservation Act 1989 (Act 73 of 1989) and dispose as directed	m ²	2 006	
7	Gypsum/Fibre cement boarded ceilings complete with bracing	m ²	1 370	
	<u>Breaking down and removing brickwork, blockwork, etc</u>			
8	Half brick wall in beamfilling	m ²	349	
	Carried to Collection			R
	Section No. 2			
	Bill No. 1			
	Alterations			
	FEBRUARY 2023			

<u>Removal of finishes to walls, etc.</u>					
9	Hack off and remove existing plaster and prepare to receive new plaster	m ²	961		
10	Hack off existing tiles and prepare for new tiles	m ²	481		
11	Chip existing plastered and painted walls slush with a mixture of bonding liquid and cement and prepare to receive tiles	m ²	40		
<u>Taking out and removing doors, windows, etc from brickwork to remain</u>					
12	Timber door and prepare frame to receive new door	No	50		
13	Timber double door, ditto	No	19		
14	Timber single door and steel frame 813 x 2032mm high from half brick wall	No	40		
15	Timber single door and steel frame 813 x 2032mm high from one brick wall	No	66		
16	Carefully remove glazed steel window not exceeding 1,0m2 from one brick wall	No	6		
17	Carefully remove glazed steel window exceeding 1,0m2 and not exceeding 2,0m2 from one brick wall	No	55		
18	Timber door frame for single door	No	18		
19	Ditto, but frame for double door	No	10		
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>					
20	Take out and remove existing screed with floor finish not exceeding 50mm thick and prepare to receive new screed	m ²	149		
<u>Building in of new doors and windows into existing brickwork including making good to all trades</u>					
21	New pressed steel door frame for single door approximate size 900 x 2100mm high in half brick wall	No	40		
22	New pressed steel door frame for single door approximate size 900 x 2100mm high in one brick wall	No	66		
Carried to Collection				R	
Section No. 2					
Bill No. 1					
Alterations					
FEBRUARY 2023					

23	Ditto, but double door frame 1511 x 2032mm	No	12
24	New steel window not exceeding 1m2 in one brick wall replacing same size window	No	16
25	New steel window exceeding 1m2 and not exceeding 2m2 , ditto	No	45
<u>Taking out and removing of fittings</u>			
26	Framed softboard pinning boards	m²	521
27	76mm Timber skirting	m	3 562
28	Wall mounted writing board size 5400 x 900mm including plugging up and filling of holes.	No	21
<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>			
29	Disconnect, take down and remove 550 x 460 mm porcelain/stainless steel wash hand basin including brackets, wastes, etc. and blank off pipes complete (Credit R)	No	65
30	Disconnect, take down and remove ceramic/stainless steel WC pan complete with cistern, including brackets, stop cock, etc. and blank off pipes complete (Credit R)	No	61
31	Disconnect, take down and remove ceramic/stainless steel bowl urinal complete with urinal step, trap, etc. and blank off pipes complete (Credit R)	No	18
32	Ditto, enameled bath and prepare for installation of new bath, bedding of bath and rebuilding of surround wall and making good to plaster	No	20

Carried to Collection

R

Section No. 2
Bill No. 1
Alterations

FEBRUARY 2023

Section No. 2

Bill No. 1

Alterations

COLLECTION

Total Brought Forward from Page No

Page
No

18

19

20

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 1

Alterations

FEBRUARY 2023

Item No	Quantity	Rate	Amount
SECTION NO. 2			
BILL NO. 2			
FOUNDATIONS			
PREAMBLES			
For Preambles refer to "Model Preambles for Trades 2008"			
<u>Nature of ground</u>			
All excavations are measured as being predominantly of a composition that will allow "soft excavation" as specified, but including a percentage of "intermediate excavation" and "hard rock excavation"			
<u>Filling supplied by the contractor</u>			
The Contractor must ensure that the material from the quarry that he is basing his rate on conforms to the required minimum specification. Rates for items that include clearing and filling must include for multiple handling and transport thereof on site			
<u>Excavation depths</u>			
Unless otherwise described, all excavation depths shall be taken from the average reduced, natural or filled ground level			
<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, FILLING, ETC OTHER THAN BULK</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
1	Column bases	m ³	7
Carried to Collection			R
Section No. 2 Bill No. 2 Foundations FEBRUARY 2023			

<u>Extra over trench and hole excavations in earth for excavation in</u>					
2	Soft rock (LI)	m ³	1		
3	Hard rock	m ³	0.4		
<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 (LI)	m ³	3		
<u>Risk of collapse of excavations</u>					
5	Sides of trench and hole excavations not exceeding 1,5 m deep (LI)	m ²	25		
<u>Keeping excavations free of water</u>					
6	Keeping excavations free of water		Item		
<u>FILLING, ETC. OTHER THAN BULK</u>					
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site including haulage approximately 100m from perimeter of excavations or stock piles compacted to 90% Mod AASHTO density</u>					
7	Backfilling to trenches, holes, etc (LI)	m ³	3		
<u>Imported G5 material, supplied by the contractor and brought onto site, compacted in layers not exceeding 150mm thick to 95% Mod AASHTO density</u>					
8	Under floors, steps, pavings, etc (LI)	m ³	2		
<u>Coarse river sand filling</u>					
9	Under floors, etc (LI)	m ³	0.4		
<u>Compaction of surfaces</u>					
10	Compaction of ground surface under floors, etc including scarifying for a depth of 150 mm, breaking down oversize material, adding suitable material where necessary and compacting to 90 % Mod AASHTO density (LI)	m ²	9		
Carried to Collection				R	
Section No. 2					
Bill No. 2					
Foundations					
FEBRUARY 2023					

<u>Prescribed density tests on filling</u>			
11	"Modified AASHTO Density" test	No	1
<u>SOIL POISONING</u>			
<u>"Clordane" or "Aldrin" type mixed with water to manufacturers specifications and applied at a rate of not less than 5 litres per square meter.</u>			
12	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m ²	7
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>General</u>			
The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)			
The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"			
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
Carried to Collection			R
Section No. 2			
Bill No. 2			
Foundations			
FEBRUARY 2023			

	<u>25MPa/19mm concrete</u>		
13	Column bases	m ³	3
	<u>TEST BLOCKS</u>		
14	Allow for necessary concrete test cubes size 150 x 150mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Method 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Representative/Agent	No	2
	<u>BRICKWORK</u>		
	<u>SUPPLEMENTARY PREAMBLES</u>		
	<u>Sizes in descriptions</u>		
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick		
	<u>Face bricks</u>		
	Bricks shall be ordered timeously to obtain uniformity in size and colour		
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc		
	<u>Pointing</u>		
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc		
	<u>Samples</u>		
	Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site		
	Carried to Collection		R
	Section No. 2 Bill No. 2 Foundations		
	FEBRUARY 2023		

Brickwork Bond

All brickwork shall be laid in stretcher bond unless otherwise stated

Wire ties

All wire ties are to be galvanised concertina ties. Ties shall be of sufficient length to allow not less than 75mm of each end to be built into the brickwork. Ties are to be spaced at intervals of not more than 110mm in the horizontal direction and not more than 425mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other

Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar

15	One brick walls	m ²	12
----	-----------------	----------------	----

Brickwork reinforcement

16	150mm Wide reinforcement built in horizontally in foundation	m	139
----	--	---	-----

EXTERNAL FACINGS

External facings (PC Amount R 6,500.00/ thousand NET delivered on site) build in flemish bond and pointed with square recessed horizontal and vertical joints

17	Extra over ordinary brickwork for facing and pointing in stretcher bond	m ²	7
----	---	----------------	---

18	Header brick on edge coping 220mm wide build fair and pointed on top and one side	m	3
----	---	---	---

Carried to Collection

R

Section No. 2
Bill No. 2
Foundations

FEBRUARY 2023

Section No. 2

Bill No. 2

Foundations

COLLECTION

Total Brought Forward from Page No

Page
No

22

23

24

25

26

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 2

Foundations

FEBRUARY 2023

<u>Item No</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION NO. 2</u>			
<u>BILL NO. 3</u>			
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
<u>PREAMBLES</u>			
For Preambles refer to "Model Preambles for Trades 2008"			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary items or materials</u>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works			
<u>Cost of tests</u>			
The costs of making, storing and testing of concrete test cubes as required shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)			
<u>Formwork</u>			
Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use			
The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
Carried to Collection			R
Section No. 2			
Bill No. 3			
Concrete, Formwork and Reinforcement			
FEBRUARY 2023			

Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"

Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described

TEST BLOCKS

- 1 Allow for necessary concrete test cubes size 150 x 150mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Method 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Representative/Agent

No 1

REINFORCED CONCRETE

25 MPa/19 mm concrete

- 2 Surface beds
- 3 Ditto, in panels in repairs to existing floors

m³ 1

m³ 2

CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth non slip finish with a wood float

- 4 Surface beds, slabs, etc to falls

m² 2

FORMWORK CLASS F2 (SMOOTH FINISH)

Formwork to sides

- 5 Edges, risers, ends and reveals not exceeding 300mm high or wide

m 4

Boxing in formwork to form

- 6 25 x 25mm Splayed corner

m 4

MOVEMENT JOINTS, ETC

Carried to Collection

R

Section No. 2
Bill No. 3
Concrete, Formwork and Reinforcement

FEBRUARY 2023

[illegible]

Section No. 2

Bill No. 3

Concrete, Formwork and Reinforcement

COLLECTION

Total Brought Forward from Page No

Page
No

28

29

30

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 3

Concrete, Formwork and Reinforcement

FEBRUARY 2023

<u>Item No</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION NO. 2</u>			
<u>BILL NO. 4</u>			
<u>MASONRY</u>			
<u>PREAMBLES</u>			
For Preambles refer to "Model Preambles for Trades 2008"			
<u>BRICKWORK</u>			
<u>Sizes in descriptions</u>			
Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
<u>Face bricks</u>			
Bricks shall be ordered timeously to obtain uniformity in size and colour			
<u>Pointing</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
<u>Samples</u>			
Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site			
<u>Brickwork Bond</u>			
All brickwork shall be laid in stretcher bond unless otherwise stated			
<u>Wire ties</u>			
All wire ties are to be 250 x 20 x 3mm thick galvanised vertical twisted ties			
Carried to Collection			R
Section No. 2			
Bill No. 4			
Masonry			
FEBRUARY 2023			

<u>BRICKWORK</u>					
<u>SUPERSTRUCTURE</u>					
<u>Brickwork of NFP bricks in class II mortar</u>					
1	Columns not exceeding six bricks girth	m ³	0.2		
2	Half brick wall in beam filling	m ²	268		
3	One brick wall	m ²	27		
<u>BRICKWORK SUNDRIES</u>					
<u>Bagging of 1:3 cement and sand mixture</u>					
4	Fill top of half brick wide door frames with cement mortar	m	32		
<u>Brickwork reinforcement</u>					
5	150mm Wide reinforcement built in horizontally	m	102		
<u>Galvanised hoop iron cramps, ties, etc</u>					
6	38 x 1,6mm Roof tie 2m girth bent double with one end fixed to timber and other end built into brickwork	No	8		
<u>EXTERNAL FACINGS</u>					
<i>External facings (PC Amount R 6,500.00/ thousand NET delivered on site) build in flemish bond and pointed with square recessed horizontal and vertical joints</i>					
7	Extra over ordinary brickwork for facing and pointing in stretcher bond	m ²	41		
8	Header brick on edge lintol 220mm wide build fair and pointed on both sides	m	6		
9	Cut header roller course brick on edge window sill set sloping and slightly projecting 220mm wide pointed on face and top	m	72		
<i>Sundries</i>					
10	Fair raking cutting to face bricks	m	8		
Carried to Collection				R	
Section No. 2					
Bill No. 4					
Masonry					
FEBRUARY 2023					

Section No. 2

Bill No. 4

Masonry

COLLECTION

Total Brought Forward from Page No

Page
No

32

33

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 4

Masonry

FEBRUARY 2023

Item No		Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 5</u>				
<u>WATERPROOFING</u>				
<u>PREAMBLES</u>				
For Preambles refer to "Model Preambles for Trades 2008"				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials</u>				
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works				
<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
<u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course</u>				
1	In walls	m ²	20	
<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>				
2	Under surface beds	m ²	27	
CARRIED FORWARD TO SUMMARY OF SECTION No: 2				R
Section No. 2 Bill No. 5 Waterproofing				
FEBRUARY 2023				

<u>Item No</u>		<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 6</u>			
	<u>ROOF COVERINGS, ETC</u>			
	<u>PREAMBLES</u>			
	For Preambles refer to "Model Preambles for Trades 2008"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary items or materials</u>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works			
	<u>METAL SHEETING AND ACCESSORIES</u>			
	NOTE: The contractor is to submit a certificate signed by the merchant, stating that the roof covering supplied complies with the required thickness specified.			
	<u>Global Roofing Solutions 0.58mm thick Corrugated profile Chromadek Ultim® Z275 spelter ISO550 finish topcoat and Pebble Grey backing coat roof sheeting, fixed to timber intermediate purlins at MAX 1200mm centres and eaves and ridge purlins at MAX 1200mm centres (final spacing to be calculated by an Engineer) using KL700 plus clips fixed with 10No.11 x 45mm long self-drilling wafer head PH2 screws, type 17 drill point fasteners (fastener lengths may vary depending on the insulation used or requirements), all following the manufacturer's specifications by a GRS approved contractor.</u>			
1	Roof covering in single sheets with pitch not exceeding 25 degrees	m ²	5 696	
2	Splay cutting and waste	m	348	
	<u>0,8mm Cromadek finished sheet steel roofing accessories to match roof sheeting</u>			
3	Ridge capping 462mm girth, three times bend to detail	m	521	
4	Hip covering 462mm girth, three times bend to detail	m	262	
	Carried to Collection			R
	Section No. 2			
	Bill No. 6			
	Roof Coverings, etc			
	FEBRUARY 2023			

[illegible]

Section No. 2

Bill No. 6

Roof Coverings, etc

COLLECTION

Total Brought Forward from Page No

Page
No

36

37

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 6

Roof Coverings, etc

FEBRUARY 2023

<u>Item No</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION NO. 2</u>			
<u>BILL NO. 7</u>			
<u>CARPENTRY AND JOINERY</u>			
<u>PREAMBLES</u>			
For Preambles refer to "Model Preambles for Trades 2008"			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary items or materials</u>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works			
<i><u>Specification for fixing</u></i>			
Unless otherwise described, all carpentry and joinery work must be securely fixed with all timber components nailed. Other methods of fixing are specifically described as follows:			
(i) the term "bolted" means fixing with bolts, bolts and holes are measured elsewhere.			
(ii) the term "pinned" or "nailed" means fixing with nails, hardened steel nails or wire nails as required, to and including hardwood plugs in brickwork or concrete.			
(iii) the term "plugged and screwed" means fixing with screws to and including patent fibre or plastic plugs in brickwork or concrete.			
(iv) the term "plugged and pelleted" means plugged as previously described, screwed with heads of screws sunken and pelleted with pellets of the same type of wood.			
<i><u>Finger jointing:</u></i>			
The manufacture of finger-jointed structural timber shall comply with SABS 096 and branded accordingly.			
Carried to Collection			R
Section No. 2 Bill No. 7 Carpentry and Joinery			
FEBRUARY 2023			

Pretreatment of timber

All timber including scaffolding, formwork, etc. used on site shall be free of borer or other beetle and termite infection. All permanent softwood fixed in buildings shall be treated against borer, etc. in accordance with Government Notice R451 of 1969-03-28 using Class B or C preservative. The type of preservative used shall be appropriate to the use of the timber. Any prescribed treatment shall comply with SABS 05

When treated timbers are cut, the cut surfaces shall be effectively brushed with at least two coats of preservative solution.

Decorative laminate finish:

Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish

SUNDRY ROOF TIMBERS

Wrot Softwood (Grade 8)

1	38 x 38mm Bargeboard cleat	m	526
2	38 x 114mm Rafters in lengths exceeding 2,4m and not exceeding 2,7m long	m	1 285
3	38 x 114mm Rafters in lengths exceeding 4,0m and not exceeding 4,2m long	m	1 850
4	50 x 76mm Purlin	m	2 420

PREFABRICATED METAL CONNECTED TIMBER ROOF TRUSSES

GENERAL

TIMBER AND METAL CONNECTOR PLATES

Prefabricated Timber Roof Trusses are based on SANS 10160, 10163 & 10243 and connected with an accredited Engineering System's nail plates as per their design and supplied by an accredited ITC-SA Fabricator

Carried to Collection

R

Section No. 2
Bill No. 7
Carpentry and Joinery

FEBRUARY 2023

TRUSS CONNECTION

The trusses shall be constructed with jigs specially designed to provide correct cambers and pitches.

All joints are to be close fitted butt joints and made by precision pressing of the metal connector plate into each side of the joint

TRUSS LOADING

The dead load of the trusses shall be to accommodate metal roof sheeting on 50 x 75mm SA Pine battens, a 9mm skimmed gypsum and / or 6mm fibre cement board ceiling nailed on 38 x 50mm branding at 300 or 600mm centres in one direction, 135mm thick thermal insulation and Sisalation FR420 Fire Retardant grade aluminium foil based insulation

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)

In designing all the trusses, etc., note must be taken of the adverse weather conditions which prevail from time to time in the area in which they are to be erected

TRUSS SPACING

The truss centres shall be as described in the Bills of Quantities for each respective truss type, or such other truss centres specified on the engineer's or fabricator's drawings

TRUSS PITCH

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

PREFABRICATED ENGINEERED ROOF TRUSSES

Prefabricated timber roof construction complete (including battens and/or purlins, wall plates, bearers, bracing, etc.) designed, constructed, delivered and erected by an approved firm of specialists, under a written guarantee. Both the design and design guarantee shall be lodged with the project manager for approval before the work is commenced. Once erected an erection certificate shall be supplied to the Project Manager (Refer to drawings annexed to these bills of quantities)

Carried to Collection

Section No. 2
Bill No. 7
Carpentry and Joinery

FEBRUARY 2023

R

<u>Supply, fabricate and deliver to site of roof structure</u>					
<i><u>Engineer's Certificate</u></i>					
5	Provide an engineer's certificate covering the design of the plate nailed timber roof structure to all three sections	No	1.00		
<i><u>Supply, fabricate and deliver to site of roof structure</u></i>					
6	Supply roof structure over new guard house area approximately 10m2 with 26 degree double pitch roof and two gable ends size 3,80 x 2,6m span complete with overhangs, bracing, fixing cleats, hangers, coach screws, purlins, wall plates, to receive 0,58mm sheet metal roofing and 6mm fibre cement ceilings, all in accordance with specialists drawings and specifications provided by the manufacturer (Roof coverings elsewhere measured) (See attached architects drawing)	m²	10		
<u>Erection on site of roof structures as detailed above</u>					
<i><u>Engineer's Certificate</u></i>					
7	Provide an engineer's certificate covering the erection of the plate nailed timber roof structure over all three sections	No	1.00		
<i><u>Erection</u></i>					
8	Roof structure approximately 10m2	m²	10		
<u>SUNDRIES</u>					
9	Three coats carbolineum on sawn timbers	m²	835		
<u>EAVES, VERGES, ETC</u>					
<u>Everite medium density plain ungrooved Nutec fascia boards (Code: 041-202), size 225 x 12mm, fixed to 50 x 76mm tilter purlin and 50 x 76mm support purlins between rafters twice screwed with 12 x 40mm countersunk brass screws at 900mm centres to support battens with PVC H-profile fascia joiner between boards and at board ends.</u>					
10	15 x 225mm Fascia board countersunk screwed to support and roof timbers (elsewhere) with two brass screws at maximum 750mm centres and jointed with and including standard aluminium half round cover strips at all joints	m	1 262		
Carried to Collection				R	
Section No. 2 Bill No. 7 Carpentry and Joinery FEBRUARY 2023					

11	Ditto, barge/gable trim, ditto	m	140
<u>DOORS, ETC</u>			
<u>Wrought Meranti solid doors</u>			
12	40mm Framed, ledged and braced batten door 813 x 2 032mm high of 40 x 110mm top rail and stiles, 20 x 150mm middle ledge, 20 x 225mm bottom ledge, 10 x 150mm braces filled in with 20mm V-jointed one side boarding and 6mm solid plywood flush back	No	56
13	40mm Framed, ledged and braced batten double door 1511 x 2 032mm high with rebated meeting stiles of 40 x 110mm top rail and stiles, 20 x 150mm middle ledge, 20 x 225mm bottom ledge, 10 x 150mm braces filled in with 20mm V-jointed one side boarding and 6mm solid plywood flush back	No	18
<u>Semi-solid core flush doors with commercial veneer (suitable for paint) on both sides and consealed edges, hung to steel frames</u>			
14	40mm Door 813 x 1 850mm high	No	17
15	40mm Door 813 x 2,032mm high	No	85
16	Ditto, but double door 1511 x 2032mm with rebated meeting stiles	No	13
<u>DOOR FRAMES</u>			
<u>Wrought Meranti</u>			
17	50 x 75mm Rebated and framed door frames secret fixed to existing brickwork	m	143
<u>SKIRTINGS</u>			
<i><u>Wrot Meranti</u></i>			
18	67 x 19mm Standard Meranti skirting with 19x14mm Meranti Quadrant fixed to wall with casting nails	m	3 134
<u>FITTINGS</u>			
19	2700 x 900mm High "Vitrex" wall mounted framed pinning boards with "Flortime" smoke grey finish	No	62

Carried to Collection

R

Section No. 2
Bill No. 7
Carpentry and Joinery

FEBRUARY 2023

Section No. 2

Bill No. 7

Carpentry and Joinery

COLLECTION

Total Brought Forward from Page No

Page
No

39

40

41

42

43

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 7

Carpentry and Joinery

FEBRUARY 2023

Item No	Quantity	Rate	Amount
SECTION NO. 2			
BILL NO. 8			
CEILINGS, PARTITIONS AND ACCESS FLOORING			
NOTE:			
Tenderer s are advised to study the Model Preambles for Trades 2008 before pricing this bill			
CEILINGS			
NAILED UP CEILINGS			
NUTEC Ceiling boards			
<i>Ceiling formed of 4 mm thick boards with and including pre primed H-section cover strips neatly mitred at intersections and countersunk screwed at 150mm centres with 32mm coarse thread to and including 38 x 50 mm SA Pine (grade 7) brandering at 450 mm centres in one direction securely spiked to roof timbers and ceiling joists (elsewhere)</i>			
1	Ceilings	m ²	7
<i>Ceiling formed of 6 mm thick fibre cement boards with and including pre primed H-section cover strips neatly mitred at intersections and countersunk screwed at 150mm centres with 32mm coarse thread to and including 38 x 50 mm SA Pine (grade 7) brandering at 400 mm centres in one direction securely spiked to roof timbers and ceiling joists (elsewhere)</i>			
2	Ceilings	m ²	44
3	6mm Eaves covering including brandering	m ²	425
Carried to Collection			R
Section No. 2 Bill No. 8 Ceilings, Partitions and Access flooring FEBRUARY 2023			

	<u>RhinoBoard® 9mm (locally manufactured ISO 9001 & 14001 certification recycled paper content Greentag Level B) with and including pre primed H-section cover strips neatly mitred at intersections and countersunk screwed at 150mm centres with 32mm coarse thread to and including 38 x 50 mm SA Pine (grade 7) branderling at 400 mm centres in one direction securely spiked to roof timbers and ceiling joists (elsewhere)</u>				
4	Ceilings	m²	1 372		
	<u>Top Hinged ceiling access panel comprising 600 x 600mm White epoxy coated aluminium T-frame with powder coated lid, fitted flush to ceiling, pop rivetted through stalk of T-frame into 25 x 25mm galvanised steel angle.</u>				
5	Extra over ceilings for access panel fitted flush to ceiling with and including screw fixing stalk of T frame into 38 x 50mm softwood branderling support sub-frame	No	28		
	<u>Sundries</u>				
6	19 x 76mm SA Pine cornice plugged to wall with 19mm quadrant bead planted on	m	4 010		
	<u>INSULATION</u>				
	<u>Isotherm 135mm thick thermally bonded polyester thermal insulation (Density: 10 kg/m³), complying with SANS1381-1:2013, laid over ceiling branderling closely fitted between rafters. R-value: 3,14m².K/W/ Thermal conductivity: 0,039 W/mK</u>				
7	135mm Thick on top of ceilings	m²	3 549		
Carried to Collection					R
Section No. 2					
Bill No. 8					
Ceilings, Partitions and Access flooring					
FEBRUARY 2023					

Section No. 2

Bill No. 8

Ceilings, Partitions and Access flooring

COLLECTION

Total Brought Forward from Page No

Page
No

45

46

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 8

Ceilings, Partitions and Access flooring

FEBRUARY 2023

<u>Item No</u>		<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION No. 2</u>				
<u>BILL No. 9</u>				
<u>FLOOR COVERINGS, WALL LININGS, ETC.</u>				
<p><u>Note:</u> Tenderers are advised to study the Specification of Materials and Methods to be used before pricing this bill</p> <p><u>Note:</u> Unless otherwise stated herein, all items in this Bill shall be deemed to fall into Work Group no. 130 for CPAC JBCC purposes</p> <p>-----</p>				
<u>VINYL TILE FLOORING</u>				
<p><i>FloorworX Floorflex® semi flexible vinyl floor tiles colour as per architect, size 300 x 300 x 2.0mm thick, manufactured in accordance with SANS 581, laid in FloorworX No. 62 acrylic adhesive spread with a trowel fitted with an A2 notched blade at a rate of between 5.5m² and 6.5m² per litre on suitably prepared subfloor (elsewhere specified) in accordance with SANS 10070, using FloorworX Self Leveller when required and rolled with 68kg three section metal roller on completion. adhesive in strict accordance with the manufacturers specifications.</i></p>				
1	On screeded floors	m ²	4 526	
<u>SELF LEVELLING SCREEDS</u>				
2	2-3mm Thick to receive vinyl sheeting	m ²	4 979	
CARRIED FORWARD TO SUMMARY OF SECTION No: 2				R
Section No. 2 Bill No. 9 Floor Coverings FEBRUARY 2023				

<u>Item No</u>		<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION NO. 2</u>				
<u>BILL NO. 10</u>				
<u>IRONMONGERY</u>				
<u>PREAMBLES</u>				
For Preambles refer to "Model Preambles for Trades 2008"				
<u>Finishes to ironmongery</u>				
Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list				
BS Satin bronze lacquered				
CH Chromium plated				
SC Satin chromium plated				
SE Silver enamelled				
GE Grey enamelled				
AS Anodised silver				
AB Anodised bronze				
AG Anodised gold				
ABL Anodised black				
PB Polished brass				
PL Polished and lacquered				
PT Epoxy coated				
SD Sanded				
<u>Fixing</u>				
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete				
<u>HINGES, BOLTS, ETC</u>				
1	150mm Chromium plated barrel bolt with keep	No	62	
2	"293/E41" WC indicator bolt with keep fixed to meat and satin chromium plated finish	No	57	
Carried to Collection				R
Section No. 2 Bill No. 10 Ironmongery FEBRUARY 2023				

LOCKS

3	"Union" lock set consisting of Dove lever handles on 150 x 45 x 10mm concealed fixing backplates (Code AL6D45-05AB), Euro profile cylinder lock case (Code L-22315-76SS) with Euro profile double cylinders (Code 2x810/62PLKA)	No	100
4	"Union" lock set consisting of Dove lever handles on 150 x 45 x 10mm concealed fixing backplates (Code AL6D45-05AB), Euro profile cylinder lock case (Code L-22315-76SS) with Euro profile double cylinders (Code 2x810/62PLKA) with rebate conversion	No	31

LETTERS, NAMEPLATES, ETC (PROVISIONAL)

5	3mm Thick clear perspex numeral plate 32mm high reverse engraved and enamelled in two 20mm high numerals and/or letters, twice countersunk holed for and screwed to door with chromium plated dome headed screws	No	130
---	--	----	-----

"Union" 150 x 150mm anodised silver aluminium plate with symbols according to international colour codes, plugged.

6	"AL5022-E10AS" with Ladies/Gents symbol	No	106
7	"AL5022-E14AS" with Paraplegic symbol	No	1

Sundries

8	28mm Diameter x 1mm thick brass key label with 12mm high stamped number or letters and holed for and including stainless steel split key ring	No	130
9	175mm Cast brass sliding stay with screws	No	185
10	300mm Cast brass casement stay	No	133
11	Cast brass spring loaded window latch	No	165
12	Solid cast brass casement window handle with bush and screw	No	45

BATHROOM FITTINGS

13	Stainless steel vandal proof toilet roll holder plugged	No	61
----	---	----	----

Carried to Collection

R

Section No. 2
Bill No. 10
Ironmongery

FEBRUARY 2023

[illegible]

Section No. 2

Bill No. 10

Ironmongery

COLLECTION

Total Brought Forward from Page No

Page
No

49

50

51

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 10

Ironmongery

FEBRUARY 2023

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 11</u>			
<u>METALWORK</u>			
<u>PREAMBLES</u>			
For Preambles refer to "Model Preambles for Trades 2008"			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Descriptions</u>			
Descriptions of bolts shall be deemed to include nuts and washers			
Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork of concrete			
Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
<u>HOT DIPPED GALVANISED PRESSED STEEL DOOR FRAMES</u>			
<u>1,2 mm Double rebated frames suitable for half brick walls with two 100mm steel butt hinges per door leaf</u>			
1	Frame for door 44 x 813 x 2 032mm high	No 40	
<u>1,2 mm Double rebated frames suitable for one brick walls with hinges (elsewhere measured) fitted to frame</u>			
2	Frame for door 44 x 813 x 2 032mm high	No 67	
3	Frame for double door 44 x 1511 x 2 032mm high	No 12	
Carried to Collection			R
Section No. 2 Bill No. 11 Metalwork			
FEBRUARY 2023			

HOT DIPPED GALVANISED STEEL WINDOWS, DOORS, ETC

NOTE: Windows with frames to conform with SANS Specification No 727 and with purpose made burglar proofing formed of 20 x 5mm thick mild steel flat section bar, bent to be 75mm away from glass surfaces and horizontally welded to window frames with pattern similar to "SWADA NBP2"

Standard mild steel windows fitted with 20 x 5mm mild steel flat section galvanised burglar bars

4	Window type NE1 size 533 x 654mm	No	10
5	Window type ND2 size 1022 x 1245mm	No	12
6	Window type ND4F size 1511 x 1245mm	No	10
7	Window type NE22 size 2000 x 654mm	No	10

Standard mild steel school windows fitted with 20 x 5mm mild steel flat section galvanised burglar bars

8	Window type 4-8H size 889 x 457mm	No	3
9	Window type 3-HCH size 889 x 457mm	No	3
10	Composite window type 4-8H/11-FLT size 889 x 1311mm	No	10
11	Composite window type 6-HCH/11-FLT size 889 x 1645mm	No	5

HOT DIPPED GALVANISED STEEL SECURITY GATES

Welded mild steel security consisting of 40 x 40 x 2mm security gate frame welded to pressed steel door frame; gate formed of 40 x 40 x 2mm SHS mitred surround frame and two 5 x 40mm flat section horizontal rails filled in with 5 x 16mm diameter vertical balusters let through flat bar horizontal rails and into SHS surround frame, fitted with three 16mm diameter x 80mm bullet hinges and "Union" narrow style Euro profile cylinder dead lock case (Code L-21315-40) and Euro profile double cylinders (Code 2x810/62PLKA) as per detailed drawing.

12	Overall size 813 x 2032mm high fixed in double rebated steel door frame.	No	36
----	--	----	----

Carried to Collection

R

Section No. 2
Bill No. 11
Metalwork

FEBRUARY 2023

13	Overall size 1511 x 2032mm high in two leaves fixed in double rebated steel door frame.	No	24		
<u>WRITING BOARDS</u>					
14	Vitrex System 1000 folding type vitreous enamel steel wall mounted school chalk board, overall size 1140 mm high x 3600 mm long, reference (1019), consisting of one fixed centre board size 1140 mm high x 1800 mm long, two fixed side boards each size 1140 mm high x 900 mm long and two swing leaves each size 1140 mm high x 900 mm long. One swing leaf (LH) including white 50 x 50 mm squares, reference (1021), permanently screened on to the rear face and the other swing leaf (RH) to have white lines spaced at 50 mm centres, reference (1025), permanently screened on to rear face. Board supplied complete with continuous Aluminium Chalk Rail (ACR), fixing components and secured in position to brickwork.	No	21		
15	Vitrex Model 2200 standard vitreous enamel steel wall mounted educational range magnetic white board, overall size 1200 mm high x 1800 mm wide, consisting of one standard boards size 1200 mm high x 1800 mm wide, reference (2208), complete with integral anodised aluminium pen rail, fixing components and secured in position to brickwork.	No	10		
Carried to Collection					
Section No. 2 Bill No. 11 Metalwork FEBRUARY 2023				R	

Section No. 2

Bill No. 11

Metalwork

COLLECTION

Total Brought Forward from Page No

Page
No

53

54

55

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 11

Metalwork

FEBRUARY 2023

Item No		Quantity	Rate	Amount
<u>SECTION NO. 2</u>				
<u>BILL NO. 12</u>				
<u>PLASTERING</u>				
<u>PREAMBLES</u>				
For Preambles refer to "Model Preambles for Trades 2008"				
<u>SCREEDS</u>				
<u>NOTE:</u>				
The finishes to concrete floors and screeds are to comply to the highest SABS to flatness of accuracy 1 of table 4 of SABS 0109-2:1992 and permissible deviation in floors will be grade 1 as per table A1 SABS 070:1991. For vinyl floors the flatness degree of accuracy will not exceed SABS degree of accuracy 1 as per table 4 SABS 0109-2:1992 and the maximum tolerance will be 1mm				
<u>Granolithic screeds on concrete</u>				
1	30mm Thick on floors wood floated to receive ceramic tiles	m ²	282	
2	35mm Thick on floors steel floated to receive vinyl tiles	m ²	475	
3	Ditto, in patchwork including smooth junctions to existing surrounding areas	m ²	494	
<i><u>Special screeds with a compressive strength of 25MPa</u></i>				
4	35mm Thick on floors to receive epoxy flooring	m ²	707	
<u>PLASTER</u>				
Carried to Collection				R
Section No. 2 Bill No. 12 Plastering FEBRUARY 2023				

Plaster mix for rough brick walls, composed of one part Surebuild 42,2N cement (Code: CEM II/B 42,5N) and 4 parts washed plaster sand 10mm - 20mm thick finished with a wood float to rough brick walls. Surebuild cement is to be manufactured in accordance with SANS 50197-1. Cement plaster shall be produced in such quantities as can be used before commencing to set as no cement plaster that has once commenced to set shall be used in any way. Care shall be taken in mixing cement plaster to remove from platform any old plaster that has already set as such plaster may not be incorporated into any new batch.

INTERNAL PLASTER

Cement plaster finished with a steel trowel on:

On brickwork

5	On walls	m ²	986
6	On walls in patchwork	m ²	55
7	On narrow widths	m ²	32
8	Open up existing cracks exceeding 2mm wide, repair and make good to match surrounding plaster surfaces	m	200

EXTERNAL PLASTER

Cement plaster finished with a steel trowel on:

On brickwork

9	On walls in patchwork to match existing	m ²	12
---	---	----------------	----

EPOXY FLOORING

Vuka Lux solvent free epoxy flooring of approved colour installed by specialist installer

10	3mm Thick to screeds	m ²	667
----	----------------------	----------------	-----

Vuka Flow Quartz solvent free epoxy flooring of approved colour installed by specialist installer

11	2mm Thick to screeds	m ²	129
----	----------------------	----------------	-----

Carried to Collection

R

Section No. 2
Bill No. 12
Plastering

FEBRUARY 2023

12	Skirting 3 x 75mm high	m	110
Carried to Collection			R
Section No. 2 Bill No. 12 Plastering FEBRUARY 2023			

Section No. 2

Bill No. 12

Plastering

COLLECTION

Total Brought Forward from Page No

Page
No

57

58

59

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 12

Plastering

FEBRUARY 2023

<u>Item No</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION No. 2</u>			
<u>BILL No. 13</u>			
<u>TILING</u>			
NOTE : The Contractor is referred to the Model Preambles (2008 Edition) as issued by the Association of South African Quantity Surveyors before pricing this bill			
<u>ADHESIVE SYSTEM</u>			
<p>(TAL) Allow all new concrete work and screeds to cure for at least 28 days before proceeding. All new concrete work and screeds must have a moisture content of 5% or less before tiling can be commenced. All screeds must be firmly attached to the underlying concrete, must be integrally sound and must be of a quality and consistency suitable for tiling. All defective areas must be removed and the floor made good before proceeding. Apply TAL Gold Star 6 rapid setting adhesive mixed 20kg with 5 litres of TAL Bond (replacing the water in the mix) using a notched TAL floor Trowel. Grout with TAL Fine Epoxy grout.</p> <p>Full body porcelain tiles (colour by architect), size 300 x 300mm, fixed to internal floor screed with TAL Professional tile adhesive mixed with TAL Bond® in lieu of water applied with a notched trowel to provide a solid adhesive bed of 5-6 mm. No voids should be left in the system. Adhesive should not be allowed to dry before application of tiles.</p> <p>Joints continuous in both directions and grouted with TAL tile grout (elsewhere specified), excess grout on the surface to be cleaned with water as work proceeds.</p> <p>All preparatory work and applications must be done in accordance with the manufacturers specifications and rates must include for this</p>			
<u>MOVEMENT JOINTS</u>			
Suitable movement joints should be located at maximum 4,5 m centres in both directions, horizontally and vertically and within 1 m of all horizontal and vertical corners and against any obstructions fixed to the structural background.			
Carried to Collection			R
Section No. 2			
Bill No. 13			
Tiling			
FEBRUARY 2023			

SUPPLY OF TILING

The contractors rates must include for wastage, taking delivery, offloading, storing and fixing including tile adhesive and grout

WALL TILING

GLAZED CERAMIC WALL TILING

Union Tiles Yek ceramic tiles (Code: 1YEKWHIWALGLO200), size 200 x 200mm, fixed to internal wall plaster backing with TAL tile adhesive (elsewhere specified) mixed with TAL Bond® in lieu of water with joints continuous in both directions and grouted with TAL tile grout (elsewhere specified), excess grout on the surface to be cleaned with water as work proceeds.

1	On walls	m ²	481
2	Ditto, in narrow widths	m ²	8
3	Window sill formed of 90mm wide cut tile horizontally in window rebate and 90mm high vertical fascia to wall	m	70

FLOOR TILING

PORCELAIN FLOOR TILES

Union Tiles full body porcelain tiles (colour by architect), size 300 x 300mm with a PC sum of R 300-00/m² (Three hundred rand per meter square) (net excluding VAT but including delivery and waste) purchase price installed with approved adhesive and grouted solid with matching grout all strictly in accordance with the manufacturer's specifications to:

4	350 x 350mm To floors, ramps and landings	m ²	307
5	Cut tile skirting 100mm high	m	157

Carried to Collection

R

Section No. 2
Bill No. 13
Tiling

FEBRUARY 2023

Section No. 2

Bill No. 13

Tiling

COLLECTION

Total Brought Forward from Page No

Page
No

61

62

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 13

Tiling

FEBRUARY 2023

Item No	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 14</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>PREAMBLES</u></p> <p>For Preambles refer to "Model Preambles for Trades 2008"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>uPVC pipes and fittings:</u></p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60 mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60 mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p> <p><u>Flush pans</u></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p> <p><u>Waste unions</u></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p> <p><u>RAINWATER DISPOSAL</u></p>			
<p style="text-align: right;">Carried to Collection</p>			R
<p>Section No. 2 Bill No. 14 Plumbing and Drainage (Provisional)</p> <p>FEBRUARY 2023</p>			

	<u>0,6mm Cromadek finished sheet steel gutters and rainwater pipes</u>				
1	100 x 125mm Ogee roof gutters	m	1 256		
2	Extra over gutter for stopped end	No	12		
3	Ditto, for outlet	No	276		
4	Ditto, for 90 degree internal corner	No	34		
5	Ditto, for 90 degree external corner	No	55		
6	75mm Diameter rainwater pipes fixed to wall	m	1 070		
7	Extra over downpipe for shoe	No	276		
8	Ditto, for 700mm eaves offset	No	276		
	<u>WATER SUPPLIES</u>				
	<u>High density polyethelene (SABS 533 type 4) pressure pipes including jointing with approved type fittings and couplings</u>				
9	15mm Pipe in ground or filling not exceeding 1m deep	m	120		
	<u>Extra over HDPE pressure pipes for fittings</u>				
10	15mm Fitting	No	40		
	<u>Class 2 copper pipes</u>				
11	15mm Pipes chased into masonry	m	96		
12	22mm Pipes chased into masonry	m	70		
	<u>Extra over class 2 copper pipes for capillary fittings</u>				
13	15mm Fittings	No	167		
14	15mm Brass wallplate elbow adaptor	No	18		
15	22mm Fittings	No	135		
	Carried to Collection			R	
	Section No. 2				
	Bill No. 14				
	Plumbing and Drainage (Provisional)				
	FEBRUARY 2023				

	<u>Extra over class 2 copper pipes for conex compression fittings</u>				
16	15mm Fittings	No	36		
	<u>TAPS, VALVES, ETC</u>				
	<u>"Cobra Watertech"</u>				
17	15mm Flexible connector 450mm long	No	126		
18	15mm "232/350" CP angle regulating valve	No	191		
19	22mm Angle regulating valve	No	2		
20	20mm "Flushmaster" Junior urinal flush valve (code: FJ6-001) or similar approved with non-hold open feature, vacuum breaker, back entry flush pipe, vandal resistant guide tube, pushbutton assembly with push rod, and 20mm "ball-o-stop" control inlet.	No	18		
21	Cobra Star Pillar tap. 1/2 BSP male iron connection end (Code: FPT2A1SR0GT01), size 60 x 130 x 150, installed as per manufacturers recommendation.	No	130		
22	"Cobra" Star Sink mixer 166/041 - Wall type sink mixer with aerated swivel outlet 1/2 BSP male inlets. (Code: FSK2W2SR-0GT01, size 90 x 140 x 310mm, installed as per manufacturers recommendation.	No	4		
23	Cobra Watertech Carina 20mm Chrome wall mounted bath diverter mixer (Code: 149CA) or similar approved with sliding wall flanges and concealed connections adjustable from 178mm to 203mm, manufacturer in accordance with SANS 226:2004 Type 2 (BS 5412).	No	20		
24	Cobra Watertech Carina 15mm Chrome undertile stoptap (Code:228CA-15) or similar approved with FI x FI inlets and sliding wall flange, manufactured in accordance with SANS 226:2004 Type 2 (BS 5412)	No	14		
25	Ditto 20mm bib taps	No	40		
26	Cobra Watertech 15mm Chromium plated Power shower head (code: KP2.61) or similar approved with classic spray and self cleaning spray nozzle	No	7		
	Carried to Collection			R	
	Section No. 2				
	Bill No. 14				
	Plumbing and Drainage (Provisional)				
	FEBRUARY 2023				

GEYSERS

"Kwikot"

27	150l Kwikot high pressure white enameled vertical electrical hot water geyser complete with "kwikflo" K600 pressure control expansion relief valve, ballostop and vacuum breaker etc, fixed in position to wall.	No	1		
----	--	----	---	--	--

SANITARY FITTINGS, INCLUDING FIXING IN POSITION, AND ALL CONNECTIONS TO PIPES

"Vaal" Sanitary ware or similar approved

28	"Cobra" Welcome Close coupled toilet colour White (Code: CWLCCST1-6DT01), size 510 x 460 x 950mm with standard seat and close coupled cistern with dual flush mechanism and connected to 15mm water supply, bolted to wall with stainless steel bolts and sealed with abe Dow Corning acetoxysilicone sealant where toilet meets wall. complete with heavy duty solid timber seat including fittings, braided connector, angle stop valve, etc. complete	No	61		
----	--	----	----	--	--

29	"Cobra" Cobra Welcome Medium round wall hung basin colour White (Code: CWLBAWH2-6DT01), size 180 x 430 x 440mm deep with taphole, overflow, fixed with screws and washers to plugs in wall and sealed with abe Dow Corning 785 acetoxysilicone sealant where basin meets wall, basin waste with plug and chain, fixed on and including wall mounted basin brackets including fittings, deep seal rubber trap, braided connector, angle stop valve, etc. complete	No	65		
----	--	----	----	--	--

30	"Cobra" Pause urinal colour White (Code: CPSURWH1-6DT01), size 370 x 39*0 x 610mm bolted to wall with stainless steel bolts and sealed with abe Dow Corning acetoxysilicone sealant where urinal meets wall.	No	18		
----	--	----	----	--	--

31	"Vaal" sanitary ware 450 x 540mm white rounded James butlers sink, integrated overflow and chain stay hole through the centre semi-punched tap hole and bolted to the wall using 10mm bolts (Code CJBBAJN1-2CO0440)	No	1		
----	---	----	---	--	--

Glazed cast iron baths

32	1800 x 800mm Glazed Cast Iron bath with waste outlet, overflow grating with coupling and chrome plated pair of grip handles, bedded in position with brickwork	No	20		
----	--	----	----	--	--

Carried to Collection

R

Section No. 2
Bill No. 14
Plumbing and Drainage (Provisional)

FEBRUARY 2023

<u>Stainless steel</u>					
33	Franke 1,2mm Grade 304 18/10 Quiline QLX622 double centre bowl stainless steel sink (Code: 1990008), size 1500 x 500	No	1		
34	600 x 500 x 500mm High stainless steel LDL Luxtub code (318600), with pressed bowl size 525 x 425 x 257mm deep and standard 40mm waste outlet, Falcon galvanised mild steel bracket and 25mm square mild steel front leg (Code: 300065), bolted to the wall with 6mm anchor bolts.	No	2		
<u>WASTE UNIONS, ETC</u>					
<u>"Cobra Watertech"</u>					
35	32mm "301" CP basin waste union with back nut, plug and chain	No	65		
36	Ditto, 40mm sink waste	No	7		
<u>TRAPS, ETC</u>					
<u>'Flexitraps':</u>					
37	32 x 40mm Butyl rubber 'P' or 'S' trap jointed to waste outlet fitting and to UPVC pipe including clamps.	No	83		
38	40 x 40mm Chromium plated urinal bottle trap	No	18		
39	40mm Sink trap	No	4		
40	40mm Deep seal combination sink "P" trap	No	7		
41	40mm Chromium plated bath waste assembly (Code: 314) with bath overflow, bath waste, 70mm diameter flange (code: 309-40) with anti theft plug and spindle.	No	20		
42	50mm Cobra Watertech chromium plated shower waste(Code:323CP) or similar approved, with 75mm diameter shower grating securely fixed with tamper proof screws.	No	7		
<u>SANITARY PLUMBING</u>					
<u>uPVC pipes</u>					
43	50mm Pipes	m	60		
Carried to Collection				R	
Section No. 2					
Bill No. 14					
Plumbing and Drainage (Provisional)					
FEBRUARY 2023					

<u>Extra over uPVC pipes for fittings</u>					
44	50mm Bend	No	24		
45	50mm Access bend	No	16		
46	50mm Junction	No	8		
47	50mm Access junction	No	8		
48	110mm Straight pan connector	No	61		
49	50mm Vent valve	No	4		
<u>TESTING, ETC.</u>					
50	Provide all the necessary equipment, water, etc. for and test the internal and external water supply and waste sanitary plumbing system complete			Item	
<u>BUILDERS WORK</u>					
51	Hole through existing one brick wall faced one side for pipe not exceeding 100mm diameter and make good	No	3		
52	Open up existing pipe chased in wall, remove shower arm, taps, etc. including isolating pipes as required and re-plaster after chasing in new pipe (elsewhere measured)	No	7		
53	Break out existing shower floor to expose existing waste pipe, and repair after installation of new waste pipe and make good to grano finish to match surrounding areas	m	7		
Carried to Collection				R	
Section No. 2					
Bill No. 14					
Plumbing and Drainage (Provisional)					
FEBRUARY 2023					

Section No. 2

Bill No. 14

Plumbing and Drainage (Provisional)

COLLECTION

Total Brought Forward from Page No

Page
No

Amount

64

65

66

67

68

69

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 14

Plumbing and Drainage (Provisional)

FEBRUARY 2023

Item No	Quantity	Rate	Amount
<u>SECTION NO. 2</u>			
<u>BILL NO. 15</u>			
<u>GLAZING</u>			
<u>PREAMBLES</u>			
For Preambles refer to "Model Preambles for Trades 2008"			
<u>Preambles</u>			
For Preambles refer to Standard Preambles To All Trades WB20-1986 and Supplementary Preambles Sup 1 to Sup 5			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary items or materials</u>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works			
<u>GLAZING TO STEEL WITH PUTTY</u>			
<u>4mm Clear float glass and glazing in steel frames with putty</u>			
1	Panes exceeding 0,10 and not exceeding 0,50m2	m ²	134
2	Ditto, in existing window frames including removing existing broken glass and putty and prepare to receive new glass, ditto	m ²	75
<u>4mm Obscure glass and glazing in steel frames with putty</u>			
3	Panes exceeding 0,10 and not exceeding 0,50m2	m ²	3
4	Ditto, in existing window frames including removing existing broken glass and putty and prepare to receive new glass, ditto	m ²	16
<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>			
Carried to Collection			R
Section No. 2 Bill No. 15 Glazing FEBRUARY 2023			

5	<p><u>6mm Silvered float glass copper backed mirrors with 46mm bevelled polished edges all round, holed for and plugged to brickwork or concrete with and including four 40mm x No.8 brass mirror screws with chromium plated dome caps and thick felt washers</u></p> <p>6mm Mirror 300 x 400mm high with four screws</p>	No	65	
	<p>Carried to Collection</p> <p>Section No. 2 Bill No. 15 Glazing</p> <p>FEBRUARY 2023</p>			<p>R</p>

Section No. 2

Bill No. 15

Glazing

COLLECTION

Total Brought Forward from Page No

Page
No

71

72

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 15

Glazing

FEBRUARY 2023

Item No		Quantity	Rate	Amount
	<u>SECTION NO. 2</u>			
	<u>BILL NO. 16</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	For Preambles refer to "Model Preambles for Trades 2008"			
	<u>PAINTWORK, ETC TO NEW WORK</u>			
	<u>ON PLASTER, ETC.</u>			
	<i>Prepare and apply one coat "Dulux" Primer for new Plaster (Code: D36), and three coats "Dulux" Trade 100 Low Sheen (Code: T2001) acrylic:</i>			
1	On internal plastered walls	m ²	987	
2	On internal plastered soffits	m ²	382	
	<i>Prepare and apply one coat "Dulux" Trade Plaster Primer for new Plaster (Code: T1001), and three coats "Dulux" Weathershield (Code: T4007) acrylic:</i>			
3	External plastered soffits	m ²	109	
	<u>ON FIBRE-CEMENT</u>			
	<i>Prepare and apply one coat "Dulux" primer for new plaster (Code: D36), one coat "Dulux" Trade filler coat (Code: T1007) and three coats "Dulux" Trade 100 Matt (Code: T2005) acrylic:</i>			
4	Gypsum board ceilings	m ²	1 525	
5	Fibre cement ceilings	m ²	585	
	<i>Prepare and apply one coat "Dulux" Trade plaster primer (Code: T1001) and two coats "Dulux" Weatherguard Ultra smooth (Code: D62) acrylic:</i>			
6	On fascias and barge boards	m ²	715	
	Carried to Collection			R
	Section No. 2			
	Bill No. 16			
	Paintwork			
	FEBRUARY 2023			

<i>Prepare and apply one coat "Dulux" Trade plaster primer (Code: T1001) and two coats "Dulux" Rainshield (Code: D59) acrylic:</i>					
7	Precast concrete window sills not exceeding 300mm girth	m	139		
<u>ON METAL</u>					
<i>Prepare, touch up factory primer and paint one coat "Dulux" Primer for Steel (Code:D1) and one coat "Dulux" universal undercoat (Code: T1001) and two coats "Dulux" Trade Gloss enamel (Code: T3001):</i>					
8	On pressed steel door frames	m ²	199		
9	Glazed steel windows (both sides measured)	m ²	144		
10	General surfaces of steel gates (both sides measured)	m ²	281		
11	600 x 600mm Ceiling access door and frame	No	31		
<u>ON WOOD</u>					
<i>Sand with abrasive paper, leaving surface clean and dust free. Prime surface with one coat Dulux Primer for Wood (Code: D33), undercoat with one coat Dulux Universal Undercoat (Code: D34), and finish with two coats Dulux Trade Gloss Enamel (Code: T3001)</i>					
12	On framed panel doors	m ²	411		
<i>Prepare and prime surface with one coat Dulux Primer for Wood (Code: D33) and finish with three coats Dulux Trade 100 Lowsheen (Code: T2001)</i>					
13	On flush doors	m ²	442		
<i>Prepare, fill, sand down, clean to leave a dust free surface and apply two coats "Woodgard" Interior Double Life Timbavarnish (Eggshell) polyurethane varnish (colour to be selected) to:</i>					
14	Skirtings not exceeding 300mm girth	m	3 134		
15	Timber door frames	m	143		
<u>PAINT WORK ETC. TO EXISTING WORK</u>					
Carried to Collection				R	
Section No. 2					
Bill No. 16					
Paintwork					
FEBRUARY 2023					

ON PLASTER, ETC.

Paintwork to existing plastered and painted walls shall include surface preparation and the filling and making good of small cracks up to 2mm wide.

Clean down all dirt, remove all loose and flaking paint, apply one coat "Dulux" Trade plaster primer (Code: T1001) and three coats "Dulux" Trade 100 Matt (Code: T2001) acrylic:

16	Existing plastered and painted internal walls	m ²	7 548
----	---	----------------	-------

Prepare, remove all loose and flaking paint and apply one coat "Dulux" Trade Plaster Primer for new Plaster (Code: T1001), and three coats "Dulux" Weathershield (Code: T4007) acrylic:

17	Existing plastered and painted external walls	m ²	100
----	---	----------------	-----

Prepare by removing all loose and flaking paint and apply one coat "Dulux" primer for new plaster (Code: D36), one coat "Dulux" Trade filler coat (Code: T1007) and three coats "Dulux" Trade 100 Matt (Code: T2005) acrylic:

18	Existing painted gypsum board ceilings	m ²	2 096
----	--	----------------	-------

19	Existing plastered and painted ceilings	m ²	966
----	---	----------------	-----

ON METAL, ETC.

Prepare, remove all loose and flaking paint, sand down to matt surface and paint one coat "Dulux" Corrocote 1 (Code: T1020) and one coat "Dulux" universal undercoat (Code: T1001) and two coats "Dulux" Trade Gloss enamel (Code: T3001):

20	Existing painted steel door frame	m ²	278
----	-----------------------------------	----------------	-----

21	Existing painted glazed steel windows	m ²	1 414
----	---------------------------------------	----------------	-------

22	Existing painted general surfaces of steelwork	m ²	500
----	--	----------------	-----

23	Existing painted posts, rails, etc. not exceeding 300mm girth (Provisional)	m	650
----	---	---	-----

ON WOOD

Carried to Collection

R

Section No. 2
Bill No. 16
Paintwork

FEBRUARY 2023

	<u>Sand with abrasive paper, leaving surface clean and dust free.</u> <u>Prime surface with one coat Dulux Primer for Wood (Code: D33), undercoat with one coat Dulux Universal Undercoat (Code: D34), and finish with two coats Dulux Trade Gloss Enamel (Code: T3001)</u>				
24	On existing painted framed panel doors	m ²	100		
	<u>Prepare and prime surface with one coat Dulux Primer for Wood (Code: D33) and finish with three coats Dulux Trade 100 Lowsheen (Code: T2001)</u>				
25	On existing painted flush doors	m ²	113		
	<u>Prepare, fill, sand down, clean to leave a dust free surface and apply two coats "Woodgard" Interior Double Life Timbavarnish (Eggshell) polyurethane varnish (colour to be selected) to:</u>				
26	On existing painted framed panel doors	m ²	80		
27	On existing varnished skirtings not exceeding 300mm girth (Provisional)	m	100		
Carried to Collection					
Section No. 2 Bill No. 16 Paintwork FEBRUARY 2023					R

Section No. 2

Bill No. 16

Paintwork

COLLECTION

Total Brought Forward from Page No

Page
No

74

75

76

77

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 2

R

Section No. 2

Bill No. 16

Paintwork

FEBRUARY 2023

Bill No		Page No	Amount
1	Alterations	21	
2	Foundations	27	
3	Concrete, Formwork and Reinforcement	31	
4	Masonry	34	
5	Waterproofing	35	
6	Roof Coverings, etc	38	
7	Carpentry and Joinery	44	
8	Ceilings, Partitions and Access flooring	47	
9	Floor Coverings	48	
10	Ironmongery	52	
11	Metalwork	56	
12	Plastering	60	
13	Tiling	63	
14	Plumbing and Drainage (Provisional)	70	
15	Glazing	73	
16	Paintwork	78	
CARRIED TO FINAL SUMMARY			R
Section No. 2			
FEBRUARY 2023			

<u>Item No</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION NO. 3</u>			
<u>BILL NO. 1</u>			
<u>GENERAL SITE WORKS</u>			
<u>PREAMBLES</u>			
For Preambles refer to "Model Preambles for Trades 2008"			
<u>Nature of ground</u>			
All excavations are measured as being predominantly of a composition that will allow "soft excavation" as specified, but including a percentage of "intermediate excavation" and "hard rock excavation"			
<u>Filling supplied by the contractor</u>			
The Contractor must ensure that the material from the quarry that he is basing his rate on conforms to the required minimum specification. Rates for items that include clearing and filling must include for multiple handling and transport thereof on site			
<u>Excavation depths</u>			
Unless otherwise described, all excavation depths shall be taken from the average reduced, natural or filled ground level			
<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 on the building site			
<u>Risk of collapse</u>			
Tenderers shall allow in his rates for risk of collapse of vertical face of excavations in open face not measured in this section			
<u>EARTHWORKS</u>			
Carried to Collection			R
Section No. 3			
Bill No. 1			
General Site Works			
FEBRUARY 2023			

[illegible]

Section No. 3

Bill No. 1

General Site Works

COLLECTION

Total Brought Forward from Page No

Page
No

80

81

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 3

R

Section No. 3

Bill No. 1

General Site Works

FEBRUARY 2023

<u>Item No</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION NO. 3</u>			
<u>BILL NO. 2</u>			
<u>OPEN WALKWAYS, APRONS and STORMWATER CHANNELS</u>			
<u>Preambles</u>			
For Preambles refer to Standard Preambles To All Trades WB20-1986 and Supplementary Preambles Sup 1 to Sup 5			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Proprietary items or materials</u>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works			
<u>Nature of ground</u>			
All excavations are measured as being predominantly of a composition that will allow "soft excavation" as specified, but including a percentage of "intermediate excavation" and "hard rock excavation"			
<u>Filling supplied by the contractor</u>			
The Contractor must ensure that the material from the quarry that he is basing his rate on conforms to the required minimum specification. Rates for items that include clearing and filling must include for multiple handling and transport thereof on site			
<u>Excavation depths</u>			
Unless otherwise described, all excavation depths shall be taken from the average reduced, natural or filled ground level			
<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			
Carried to Collection		R	
Section No. 3			
Bill No. 2			
Open Walkways, Walkways and Stormwater Channels			
FEBRUARY 2023			

<u>SITE CLEARANCE ETC</u>					
<u>Site clearance</u>					
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200 mm girth, bush, etc (LI)	m ²	25		
2	Stripping average 150mm thick layer of top soil and stockpiling on site (LI)	m ²	17		
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>					
<u>Excavation in earth not exceeding 2 m deep</u>					
3	To reduce levels to final levels under under walkways (LI)	m ³	4		
<u>Extra over trench and hole excavations in earth for excavation in</u>					
4	Soft rock (LI)	m ³	0.2		
5	Hard rock	m ³	0.1		
<u>Extra over all excavations for carting away</u>					
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor (LI)	m ³	0.2		
<u>Keeping excavations free of water</u>					
7	Keeping excavations free of water (LI)		Item		
<u>FILLING, ETC. OTHER THAN BULK</u>					
<u>Imported G5 material, supplied by the contractor and brought onto site, compacted in layers not exceeding 150mm thick to 95% Mod AASHTO density</u>					
8	Under aprons, walkways, etc (LI)	m ³	6		
<u>Compaction of surfaces</u>					
9	Compaction of ground surface under floors, etc including scarifying for a depth of 150 mm, breaking down oversize material, adding suitable material where necessary and compacting to 90 % Mod AASHTO density (LI)	m ²	44		
Carried to Collection				R	
Section No. 3					
Bill No. 2					
Open Walkways, Walkways and Stormwater Channels					
FEBRUARY 2023					

	<u>Prescribed density tests on filling</u>				
10	"Modified AASHTO Density" test	No	3		
	<u>SOIL POISONING</u>				
	<u>"Chlordane" soil insecticide</u>				
11	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m ²	17		
	<u>PAVING</u>				
	<u>REINFORCED CONCRETE</u>				
	<u>25 MPa/19 mm concrete</u>				
12	Aprons cast in panels on waterproofing	m ³	2		
13	Ramps	m ³	5		
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
14	Surface beds, aprons, walkways, slabs, etc to falls	m ²	17		
15	Ditto, non-slip to sloping ramps	m ²	27		
	<u>FORMWORK CLASS F2 (SMOOTH FINISH)</u>				
	<u>Formwork to sides</u>				
16	Sides of sloping ramps	m ²	20		
17	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	31		
	<u>Expansion joints of "Sondor Jointex" closed cell expanded polyethylene between vertical concrete and brick surfaces</u>				
18	10mm Joints not exceeding 300mm high with 10mm high tear off strip at top (Provisional)	m	26		
	<u>REINFORCEMENT</u>				
	Carried to Collection			R	
	Section No. 3				
	Bill No. 2				
	Open Walkways, Walkways and Stormwater Channels				
	FEBRUARY 2023				

<p><u>Welded steel fabric reinforcement including laps (measured net)</u></p>		
19	Type 193 reinforcement in concrete surface beds, slabs, etc	m ² 44
<p><u>WATERPROOFING</u></p>		
<p><u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u></p>		
20	250 Micron green medium density damp-proof membrane laid loose on top of prepared earth under mass concrete or precast concrete paving	m ² 17
<p>Carried to Collection</p>		R
<p>Section No. 3 Bill No. 2 Open Walkways, Walkways and Stormwater Channels FEBRUARY 2023</p>		

Section No. 3

Bill No. 2

Open Walkways, Walkways and Stormwater Channels

COLLECTION

Total Brought Forward from Page No

Page
No

83

84

85

86

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 3

R

Section No. 3

Bill No. 2

Open Walkways, Walkways and Stormwater Channels

FEBRUARY 2023

Item No		Quantity	Rate	Amount
<u>SECTION NO. 3</u>				
<u>BILL NO. 3</u>				
<u>FENCING</u>				
<u>Preambles</u>				
For Preambles refer to Standard Preambles To All Trades WB20-1986 and Supplementary Preambles Sup 1 to Sup 5				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Proprietary items or materials</u>				
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works				
<u>SITE PREPARATION</u>				
1	Take down and remove existing 1.80m high welded mesh steel security fence including all intermediate-, corner- and end posts with concrete footings, backfill and compact	m	748	
	<i>Clear site</i>			
2	Clear area of 2m wide for fence, including digging up and removing rubbish, debris, vegetation, hedges, boulders, shrubs and trees with trunk not exceeding 200mm girth	m	748	
<u>Welded mesh fencing</u>				
Carried to Collection				R
Section No. 3 Bill No. 3 Fencing FEBRUARY 2023				

	"Clearvue" UV stabilized polymer finish welded mesh fence complete with 85mm tapering to 45mm posts with a depth of 85mm at approximately 3,0m centres complete with locking recess mechanism and finished on top with a cap bedded in 600 x 400mm ² concrete (15 MPa) bases, panels approximately 3,0m wide welded mesh with an aperture size 76.12mm including 4 x 50 mm deep V formation horizontal recessed bands (rigidity) and 2 x 30 degree flanges along top and toe affixed to post over 48 line wires with 8 double boltcomb clamps and 8 x single bolt comb clamps using 24 x anti vandal bolts and topped with 100mm high toughened castle type spike rails, 200mm concrete sill underneath, etc. supplied and erected complete		
3	Fence 2,4m high complete	m	748
	The following in matching steel gates		
4	Extra over for forming single gate 1,1m wide x 2,4m high including all hinges, drop bolts end locking pins, complete	No	1
5	Extra over fencing for forming sliding gate for 4,8m wide opening x 2,4m high including sliding rail bedded in 300 x 300mm concrete, rollers, wheels, locking pins, etc., complete	No	1
Carried to Collection			R.
Section No. 3 Bill No. 3 Fencing FEBRUARY 2023			

Section No. 3

Bill No. 3

Fencing

COLLECTION

Total Brought Forward from Page No

Page
No

88

89

Amount

CARRIED FORWARD TO SUMMARY OF SECTION No: 3

R

Section No. 3

Bill No. 3

Fencing

FEBRUARY 2023

[illegible]

<u>Item No</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION No. 4</u>			
<u>BILL No. 1</u>			
<u>PROVISIONAL SUMS</u>			
NOTE:			
Tenderer s are advised to study the Model Preambles for Trades 2008 before pricing this bill			
All provisional sums are nett			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>General</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances			
Prime cost amounts and provisional sums are net. Prime cost amounts include for delivery to site of all articles concerned			
Provisional sums are for material and equipment supplied and installed complete by firms of specialists			
<u>Profit</u>			
Where stated, the contractor may allow for profit if required			
<u>General attendance on nominated/selected subcontractors</u>			
The item "Attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors, the following:			
Carried to Collection			R
Section No. 4 Bill No. 1 Provisional Sums			
FEBRUARY 2023			

1	The services as set out in clause B9.1 of the Preliminaries			
2	Making good in all trades and cleaning down and removal of rubbish on completion			
<u>Special attendance on nominated/selected subcontractors</u>				
Where stated special attendance will be described in detail in the Schedule for Variables in the Preliminaries for the services as set out in clause B9.2				
<u>Builder's work</u>				
Builder's work in connection with specialist services is given elsewhere in these bills of quantities				
<u>BUDGETARY ALLOWANCES</u>				
<u>COMMUNITY LIASON OFFICER</u>				
1	Allow the sum of R 120,000-00 (One hundred and twenty thousand rand) for the appointment of a community liason officer for the full duration of the project to be expended in whole or part as per the discretion of the Principal Agent	Item	120 000.00	
<u>PROVISIONAL SUMS</u>				
<u>ELECTRICAL INSTALLATION</u>				
2	Provide the sum of R 3 500,000.00 (Three Million Five Hundred thousand Rand) for the electrical installation to be executed by a firm of registered specialists	Item	3 500 000.00	
3	Allow for profit	Item		
4	Allow for attendance	Item		
<u>FIRE EQUIPMENT INSTALLATION</u>				
5	Provide the sum of R 100,000.00 (One Hundred thousand Rand) for the installation of fire fighting equipment by a firm of registered specialists	Item	100 000.00	
6	Allow for profit	Item		
7	Allow for attendance	Item		
Carried to Collection			R	
Section No. 4				
Bill No. 1				
Provisional Sums				
FEBRUARY 2023				

CUPBOARD AND FRAME INSTALLATION

8 Provide the sum of R 50,000.00 (Fifty thousand Rand) for timber cupboards and frame installation in the Art room to be executed by a firm of specialists

Item 50 000.00

9 Allow for profit

Item

10 Allow for attendance

Item

TEMPORARY FACILITIES

11 Provide the sum of R 100,000.00 (One hundred thousand Rand) for the provision of temporary ablution facilities during the construction phase of the project

Item 100 000.00

12 Allow for profit

Item

13 Allow for attendance

Item

Carried to Collection

R

Section No. 4
Bill No. 1
Provisional Sums

FEBRUARY 2023

KwaZulu Natal Department of Education
Asbestos Replacement
Richmond PS

Item No			Quantity	Rate	Amount R
	CPG Bill of Quantities:				
	Note to tenderers: As CPGs may not provide any bidder a competitive advantage. Provisional amounts and fixed percentages for profit and attendance have been provided. Only the provisional amount will be adjusted once the awarded tender amount and/or the beneficiaries have been appointed, and the final values have been ascertained.				
	MINIMUM TARGETED LOCAL BUILDING MATERIAL MANUFACTURERS				
	Provision is made for the Minimum Targeted Local Building Material Manufacturers CPG in the execution of this project as described in C3.1 Project Specifications. Allowance for monitoring and monthly reporting on material purchased from Local Building Material Manufacturers by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R42 525,50	R42 525,50
	Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	MINIMUM TARGETED LOCAL BUILDING MATERIAL SUPPLIERS				
	Provision is made for the Minimum Targeted Local Building Material Suppliers CPG in the execution of this project as described in C3.1 Project Specifications. Allowance for monitoring and monthly reporting on material purchased from Local Building Material Suppliers by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R42 525,50	R42 525,50
	Allowance for profit and attendance, all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation	%			
				R	
	Carried Forward to Summary of Section No.				
	Provisional Sums				

KwaZulu Natal Department of Education
Asbestos Replacement
Richmond PS

Item No			Quantity	Rate	Amount R
	MINIMUM TARGETED ENTERPRISE DEVELOPMENT				
	A provisional amount has been allowed for in the execution of this project as described in C3.1 Project Specifications. The provisional amount allowed is for the appointment of training coordinator, mentor, training service providers and training of the beneficiary enterprises including monitoring and monthly reporting.	PS	1	R425 254,97	R425 254,97
	Allowance for profit all inclusive of associated costs to the contractor for implementation.	%			
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.	%			
	LABOUR INTENSIVE PARTICIPATION GOAL				
	Labour Intensive Participation Goal - Allowance for monthly reporting of labour intensive works by main contractor based on determination by Employer taking into account specific project variables. Allowance for monitoring and monthly reporting on Works executed by means of Labour Intensive methods by main contractor and subcontractors based on determination by Employer taking into account specific project variables	PS	1	R72 000,00	R72 000,00
	Allowance for profit all inclusive of associated costs to the contractor for implementation.				
	Allowance for attendance all inclusive of associated costs to the contractor for implementation.				
	Carried to Collection			R	
	Provisional Sums				

Section No. 4

Bill No. 1

Provisional Sums

COLLECTION

Total Brought Forward from Page No

Page
No

Amount

92

93

94

CARRIED TO FINAL SUMMARY

R

Section No. 4

Bill No. 1

Provisional Sums

FEBRUARY 2023

Section No	Page No	Amount
FINAL SUMMARY		
1 PRELIMINARIES	17	
2 EXISTING BUILDINGS	79	
3 EXTERNAL WORKS	91	
4 PROVISIONAL SUMS	95	
SUB TOTAL		R
CONTINGENCIES		
Allow 5% (Five percent) for contingencies to be expended in whole or deducted in part as per the discretion of the Employer/Principal Agent		R
SUB TOTAL		R
VALUE ADDED TAX: 15%		R
CARRIED TO FORM OF OFFER AND ACCEPTANCE C1.1		
FEBRUARY 2023		R