Amount

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Item No

### SECTION NO. 1: PRELIMINARIES- SECTIONS A, B and C

### **SECTION A: PRELIMINARIES**

### **MEANING OF TERMS "TENDER / TENDERER"**

Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"

#### **BUILDING AGREEMENT AND PRELIMINARIES**

The Association of South African Quantity Surveyors Preliminaries August 2010 edition for use with the JBCC Principal Building Agreement Edition 5 Code 2101, July 2007 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked "N/A" signifying "Not Applicable".

These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this agreement such modifications, corrections or supplements as will apply are referenced to the Contract Data under each relevant clause heading and such modifications, corrections or supplements as contained in the Contract Data shall take precedence notwithstanding anything contrary contained in the abovementioned documents

#### PRICING OF PRELIMINARIES

Each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item. Items not priced in these Preliminaries shall be deemed to be included elsewhere in this document.

#### SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

Please refer to the Contract Data for the full extent of the modifications, corrections or supplements made to the standard clauses referenced below

#### **DEFINITIONS**

#### A1.0 DEFINITIONS AND INTERPRETATION

Clause 1.0

Clause 1.1 Definitions for "Contracts Minutes", "Contract Period", "Date For Practical Completion", "Date Of Practical Completion", "Deposit" are added Clause 1.1 Definitions of "Advanced Payment Guarantee", Agreement", "Bills of Quantities", "Construction Guarantee", "Construction Period", "Contract Documents", "Contract Drawings", "Contract Sum", "Practical Completion", "Programme", are amended

Fixed:	Value related:	_Time related:

Carried	Forward
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SECTION NO. 1 BILL NO. 01- PRELIMINARIES & GENERAL

		Brought Forward R
	OBJECTIVE AND PREPARATION	
Α	A2.0 OFFER, ACCEPTANCE AND PERFORMA	NCE
	Clause 2.0	
	Fixed:Value related:	Fime related:
В	A3.0 DOCUMENTS	
	Clause 3.0 Clause 3.1 is omitted. Clauses 3.2.2, 3.3, 3.5 and 3.6 are amended Clause 3.2.3 is added	
	Fixed:Value related:	Fime related:
С	A4.0 DESIGN RESPONSIBILITY	
	Clause 4.0 Clause <b>4.1</b> is amended	
	Fixed:Value related:	Fime related:
D	A5.0 EMPLOYER'S AGENTS	
	Clause 5.0 Clause 5.1 is amended.	
	Fixed: Value related:	Fime related:
Е	A6.0 SITE REPRESENTATIVE	
	Clause 6.0	
	Fixed:Value related:	Fime related:
F	A7.0 COMPLIANCE WITH REGULATIONS	
	Clause 7.0 Clauses 7.2, 7.3 and 7.4 are added	
	Fixed:Value related:	Time related:
		Carried Forward R
	SECTION NO. 1 BILL NO. 01- PRELIMINARIES & GENERAL	

	Brought Forward R	
Α	A8.0 WORKS RISK	
	Clause 8.0 Clause <b>8.4</b> is amended	
	Fixed: Value related: Time related:	
В	A9.0 INDEMNITIES	
	Clause 9.0 Clause 9.2.7 is omitted Clause 9.2 is amended Clause 9.3 is added	
	Fixed: Value related: Time related:	
С	A10.0 WORKS INSURANCES	
	Clause 10.0 Clause 10.4 is omitted	
	Fixed: Value related: Time related:	
D	A11.0 LIABILITY INSURANCES	
	Clause 11.0 Clauses 11.1.3 (a), (b), (c) and (d) are added	
	Fixed: Value related: Time related:	
Е	A12.0 EFFECTING INSURANCES	
	Clause 12.0 Clauses 12.2, 12.3, 12.4, 12.5 and 12.6 are amended	
	Fixed: Value related: Time related:	
F	A13.0 ASSIGNMENT	
	Clause 13.0	
	Fixed: Value related: Time related:	
	Carried Forward R	
	SECTION NO. 1 BILL NO. 01- PRELIMINARIES & GENERAL	

		Brought Forward R	
Α	A14.0 SECURITY		
	Clause 14.0		
	Clauses 14.3 and 14.7.1 is omitted		
	Clauses 14.1 and 14.4, is amended		
	Fixed:Value related:	Time related:	
	EXECUTION		
В	A15.0 PREPARATION FOR AND EXECUTION	ON OF THE WORKS	
	Clause 15.0		
	Clauses 15.1, 15.1.1, 15.6.1, 15.6.3 and 15.6.4	4 are amended	
	Fixed:Value related:	Time related:	
С	A16.0 ACCESS TO THE WORKS		
	Clause 16.0		
	Clause 16.5.1 is added		
	Fixed: Value related:	Time related:	
D	A17.0 CONTRACT INSTRUCTIONS		
	Clause 17.0		
	Clause 17.1 is amended		
	Fixed:Value related:	Time related:	
E	A18.0 SETTING OUT OF THE WORKS		
	Clause 18.0		
	Fixed:Value related:	Time related:	
F	A19.0 TEMPORARY WORKS AND PLANT		
	Clause 19.0		
	Fixed:Value related:	Time related:	
		<b>Carried Forward</b> R	
	SECTION NO. 1	CaCa. Cirraia	
	BILL NO. 01- PRELIMINARIES & GENERAL		
	The state of the s		

		Brought Forward R	
Α	A20.0 NOMINATED SUB-CONTRACTORS		
	Clause 20.0 Clause <b>20.1.1</b> is		
	Fixed: Value related: Time re	lated:	
В	A21.0 SELECTED SUBCONTRACTORS		
	Clause 21.0 Clauses 21.1.1 and 21.1.3 are amended		
	Fixed: Value related: Time re	lated:	
С	A22.0 EMPLOYER'S DIRECT CONTRACTORS		
	Clause 22.0		
	Fixed: Value related: Time re	lated:	
D	A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTOR	RS	
	Clause 23.0		
	Fixed: Value related: Time re	lated:	
	COMPLETION		
Е	A24.0 PRACTICAL COMPLETION		
	Clause 24.0		
	Fixed: Value related: Time re	lated:	
F	A25.0 WORK'S COMPLETION		
	Clause 25.0		
	Fixed: Value related: Tii	me related:	
G	A26.0 FINAL COMPLETION		
	Clause 26.0 Clauses 26.2.2 and 26.5.2 are amended		
	Fixed: Value related: Time re	lated:	
		Carried Forward R	
	SECTION NO. 1		
	BILL NO. 01- PRELIMINARIES & GENERAL		

		<b>Brought Forward</b> R	
Α	A27.0 LATENT DEFECTS LIABILITY PERIOD		
	Clause 27.0		
	Fixed: Value related: Time related	l:	
В	A28.0 SECTIONAL COMPLETION		
	Clause 28.0		
	Fixed: Value related: Time related	l:	
С	A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION	I	
	Clause 29.0 Clauses 29.1, 29.2 and 29.3 is amended Clause 29.9 is added		
	Fixed: Value related: Time related	l:	
D	A30.0 PENALTY FOR NON-COMPLETION		
	Clause 30.0 Clause 30.2 is amended		
	Fixed: Value related: Time related	l:	
	PAYMENT		
Е	A31.0 INTERIM PAYMENT TO THE CONTRACTOR		
	Clause 31.0 Clauses 31.3, 31.5.3, 31.6.5, 31.8 and 31.9 are amended Clauses 31.16.1 and 31.16.2 is omitted Clause 31.4.4 is added		
	Fixed: Value related: Time related	l:	
F	A32.0 ADJUSTMENT TO THE CONTRACT VALUE		
	Clause 32.0 Clauses 32.1 and 32.13 are amended		
	Fixed: Value related: Time related	l:	
		Carried Forward R	
	SECTION NO. 1 BILL NO. 01- PRELIMINARIES & GENERAL		

		Brought Forward R	
Α	A33.0 RECOVERY OF EXPENSE AND LOSS		ļ
	Clauses 33.1.8, 33.1.9, 33.1.10 and 33.1.11 is added	d	
	Fixed: Value related: T	ime related:	
В	A34.0 FINAL ACCOUNT AND FINAL PAYMENT		
	Clause 34.0 Clause <b>34.10</b> is amended		
	Fixed: Value related: T	ime related:	
С	A35.0 PAYMENT TO OTHER PARTIES		
	Clause 35.0		
	Fixed: Value related: T	ime related:	
	TERMINATION		
	A36.0 TERMINATION BY EMPLOYER - CONTR.	ACTOR'S DEFAUL⊺	
	Clause 36.0 Clauses 36.1, 36.1.1 and 36.1.2 are amended Clauses 36.1.3 and 36.1.4 are added		
	Fixed: Value related: T	ime related:	
D	A37.0 TERMINATION BY EMPLOYER - LOSS AN	D DAMAGE	
	Clause 37.0 Clause <b>37.1.3</b> is added		
	Fixed: Value related: T	ime related:	
Е	A38.0 TERMINATION BY CONTRACTOR - EMPLO	YER'S DEFAULT	
	Clause 38.0 Clause 38.1.1 is omitted Clauses 38.1.4 and 38.3 are amended		
	Fixed: Value related: T	ime related:	
		Carried Forward R	
	SECTION NO. 1 BILL NO. 01- PRELIMINARIES & GENERAL		
	DILL NO. 01-1 INCLIMINATIES & GENERAL		

		Brought Forward	K	
Α	A39.0 TERMINATION - CESSATION OF TH	HE WORKS		
	Clause 39.0			
	Fixed:Value related:	Time related:		
	DISPUTE			
В	A40.0 DISPUTE SETTLEMENT			
	Clause 40.0			
	Clauses <b>40.2.2</b> , <b>40.3.2</b> , <b>40.3.3</b> and <b>40.3.4</b> are Clause <b>40.4</b> is omitted	amended		
		Time veleted.		
	Fixed: Value related:	Time related		
	CONTRACT AGREEMENT			
С	A41.0 POST TENDER PROVISIONS			
	Clause 41.0			
	Fixed:Value related:	Time related:		
D	A42.0 CONTRACTUAL AGREEMENT			
	Clause 42.0			
	Clauses 42.2 is omitted			
	Fixed:Value related:	Time related:		
		Carried Forward	R	
	SECTION NO. 1 BILL NO. 01- PRELIMINARIES & GENERAL			
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		<b>Brought Forward</b> R	
	SECTION B: PRELIMINARIES		
	Please refer to the Contract Data for the full intent and addition standard clauses referenced below		
	B1.0: DEFINITIONS AND INTERPRETATION		
Α	B1.1 Definitions and interpretation		
	See also clause A1.0 of Section A for additional and/or amenda apply equally to this Section	ed definitions which shall	
	Fixed: Value related: Time relate	ed:	
	B2.0: DOCUMENTS		
В	B2.1 Checking of documents		
	Fixed: Value related: Time relate	ed:	
С	B2.2 Bills of quantities		
	Fixed: Value related: Time relate	ed:	
D	B2.3 Availability of construction documentation		
	Fixed: Value related: Time relate	ed:	
	B3.0: PREVIOUS WORK AND ADJOINING PROPERTIES		
	In respect of clause 3, Tenderers shall be deemed to have visit provision in their tender for all site circumstances that may affe no claims in this respect will be considered.		
Ε	B3.1 Previous work - dimensional accuracy		
	Fixed: Value related: Time related	ed:	
F	B3.2 Previous work - defects		
	Fixed: Value related: Time relate	ed:	
G	B3.3 Inspection of adjoining properties		
	Fixed: Value related: Time relate	ed:	
		0	
		Carried Forward R	
	SECTION NO. 1 BILL NO. 01- PRELIMINARIES & GENERAL		

		Brought Forward R	
	B4: SAMPLES, SHOP DRAWINGS AND MANUFACTURERS	3' INSTRUCTIONS	
Α	B4.1 Samples of materials		
	Fixed: Value related: Time related	ed:	
В	B4.2 Workmanship samples		
	Fixed: Value related: Time relate	ed:	
С	B4.3 Shop drawings		
	Fixed: Value related: Time related	ed:	
D	B4.4 Compliance with manufacturers' instructions		
	Fixed: Value related: Time related	ed:	
	B5.0: DEPOSITS AND FEES		
Е	B5.1 Deposits and fees		
	Fixed: Value related: Time related	ed:	
	B6.0: TEMPORARY SERVICES		
F	B6.1 Water		
	Fixed: Value related: Time related	ed:	
G	B6.2 Electricity		
	Fixed: Value related: Time related	ed:	
Н	B6.3 Telecommunication facilities		
	Fixed: Value related: Time related	ed:	
ı	B6.4 Ablution facilities		
	Fixed: Value related: Time relate	ed:	
	B7.0 PRIME COST AMOUNTS		
J	B7.1 Responsibility for prime cost amounts		
	Fixed: Value related: Time related	ed:	
		Carried Forward R	
	SECTION NO. 1		
	BILL NO. 01- PRELIMINARIES & GENERAL		

		Brought Forward R
	B8.0 SPECIAL ATTENDANCE ON N/S SUBCONTR	ACTORS
Α	B8.1 Special attendance	
	Fixed: Value related: Time	related:
	B9.0: GENERAL	
В	B9.1 Protection of the works	
	Fixed: Value related: Time	related:
С	B9.2 Protection / isolation of existing / sectionally	occupied works
	Fixed: Value related: Time	related:
D	B9.3 Security of the works	
	Fixed: Value related: Time	related:
Е	B9.4 Notice before covering work	
	Fixed: Value related: Time	related:
F	B9.5 Disturbance	
'	Fixed: Value related: Time	related:
	Value Telateu Tillie	related
G	B9.6 Environmental disturbance	
	Fixed: Value related: Time	related:
Н	B9.7 Works cleaning and clearing	
	Fixed: Value related: Time	related:
Ι	B9.8 Vermin	
	Fixed: Value related: Time	related:
J	B9.9 Overhand work	
	Fixed: Value related: Time	related:
		Carried Forward R
	SECTION NO. 1	
	BILL NO. 01- PRELIMINARIES & GENERAL	

	Brought Forward R					
	SECTION C: SPECIFIC PRELIMINARIES					
	<b>Section C</b> contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item					
Α	C1 CONTRACT DRAWINGS					
	The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the <b>works</b> and the manner in which they are to be executed					
	Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the <b>principal agent</b>					
	Fixed: Value related: Time related:					
В	C2 GENERAL PREAMBLES					
	These tender documents contain pages and volumes as indicated in the index of the complete tender documentation					
	The items in these tender documents are to read and priced in conjunction with and the descriptions regarded as amplified by The Model Preambles for Trades 2008 as published by the Association of South African Quantity Surveyors and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained					
	Fixed: Value related: Time related:					
;	C3 TRADE NAMES					
	Wherever a trade name for any product has been described in the <b>bills of quantities</b> , the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the <b>principal agent</b> being obtained prior to the closing date for submission of tenders					
	If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for					
	Fixed: Value related: Time related:					
	Carried Forward R					
	SECTION NO. 1 BILL NO. 01- PRELIMINARIES & GENERAL					

	Brought Forward	R				
Α	C4 IMPORTED MATERIALS AND EQUIPMENT					
	Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations					
	Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)					
	Fixed: Value related: Time related:					
В	C5 AUTHORISATION FOR THE TAKING OF PHOTOGRAPHS					
	The contractor shall obtain <u>prior</u> authorisation from the employer for the making of any sketches or the taking of any photographs of any site, installation, building or civil works belonging to the employer and shall ensure that all personnel, subcontractors and other persons entering the site shall comply with this requirement as well.	;				
	Fixed: Value related: Time related:					
С	C6 OCCUPATIONAL HEALTH AND SAFETY ACT					
	The <b>contractor</b> shall comply with all the requirements set out in the Health and Safety Specification for Construction Work as contained within these tender documents and the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).	;				
	It is required of the <b>contractor</b> to thoroughly study the Health and Safety Specification and the Construction Regulations of the Occupational Health and Safety Act					
	The <b>contractor</b> must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory.					
	Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.	t				
	Fixed: Value related: Time related:					
	Carried to Tender Summary	R				
	SECTION NO. 1					
	BILL NO. 01- PRELIMINARIES & GENERAL					

Item No		Quantity	Rate	Amount R
	SECTION NO. 2 : BUILDING WORK			
	BILL NO. 01 - ALTERATIONS			
	PREAMBLES			
	The Contractor is referred to the Model Preambles (2008), Alterations			
	The Contractor is referred to all of the Architect's drawings for the following buildings; B140, B141, B142, B143, B144, B145, B146 & B147			
	The Contractor is referred to the Scope of Works Document			
	The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles			
	SUPPLEMENTARY PREAMBLES			
	Works on site			
	The Contractor shall not remove or interfere with any furniture, fittings or similar articles unless specially mentioned in the following items and shall give adequate notice to the Representative/Agent of the removal of any articles from parts of the building are to be altered becomes necessary so that the Employer may have same removed before the Contractor commences work in such parts			
	The Contractor will be held solely responsible for any damage to persons and property and for the safety of the structures and must make good at his expense any damage that may occur			
	Carried Forward		R	
	SECTION NO. 2 BILL NO. 01 - ALTERATIONS			

Brought Forward	R	
<u>View site</u>		
Before submitting his tender the Contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained		
Old materials are to be carted away		
Old material from alterations, except where described to be re-used, or handed over, as well as all rubbish, etc., must be regularly carted from the site, and not be allowed to accumulate on, or around, the site		
Old materials are not to be re-used		
None of the old materials are to be used for new work, except where specifically described as being set aside for re-use		
Special care is to be exercised not to interfere with any electrical installation, and notice is to be given to the Representative/Agent when any disconnections, removal of wires, etc. necessary and the Contractor is to afford every facility to the workmen carrying out his work		
Removal from site		
The term "remove" shall be deemed to mean removal from site by the Contractor to a registered dumping ground located by the Contractor		
Handing over of materials		
Where certain materials or articles from alterations are described as to be handed over by the Contractor to the Employer, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Employer for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor		
Carried Forward	R	
SECTION NO. 2 BILL NO. 01 - ALTERATIONS		

	Brought Forward	R	Ī
Asbestos cement m	<u>aterials</u>		
removed and dispos accordance with the	estos cement materials are to be sed of, this shall be done in strict e procedure laid down in the n and Safety Act (1993)		
Noise and disturbar	<u>nce</u>		
with as little mess a minimum of disturba tenants. He shall precept and remove w tarpaulins that may	I carry out the whole of the works and noise as possible and with a cance to adjoining premises and their rovide proper protection and provide, when directed, any temporary be necessary during the progress of satisfaction of the principal agent		
Dust pollution			
keeping the ground	take care to avoid dust pollution by and all relevant surfaces wet or erations and erecting dust screens if		
General			
	shes shall include making good of ete surfaces onto which the new , where necessary		
affecting the existing held solely responsi	be required to take all dimensions g buildings on the site and he will be ble for the accuracy of all such used in the manufacture of new items tings, etc)		
<u>Prices</u>			
	ereby deemed to have taken all y Preambles into account in his		
NOTE			
Unless otherwise de be carried out in/to	escribed, all work in this trade is to existing buildings		
	Carried Forward	R	
SECTION NO. 2 BILL NO. 01 - ALTE	RATIONS		

	Brought Forward			R	
	REMOVAL OF EXISTING WORK		ľ		
	Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new plaster, tile finish, etc				
Α	Tiles to floors (B143)	m²	11		
	Taking down and removing ceilings, etc				
В	Hardboard ceilings, including cornices, timber brandering, etc. (B144)	m²	21		
	Take down and removing gutters including downpipes and cart off site:				
С	Remove existing half-round asbestos gutters with approximate size: 150mm diameter fixed to fascia/barge boards with and including clips, complete (B140, B141 & B145) (Provisional)	m	13		
D	Remove existing asbestos downpipes with approximate size: 150mm diameter with and including offsets, shoes and brackets, complete (B140 & B145) (Provisional)	m	4		
	Take down and remove fascia and barge boards:				
E	Remove existing fibre cement fascia and barge boards with approximate size: 12 x 350mm wide fixed to masonry walls (Provisional)	m	19		
	Making good with cement plaster:				
F	On window sills in patches	m²	8		
	On mited Families				
	Carried Forward			R	
	SECTION NO. 2 BILL NO. 01 - ALTERATIONS				

	Brought Forward			R	
	CLEAN DOWN SURFACES				
	Clean asbestos roof by means of high pressure water jet including pitches not exceeding 25 degrees, valleys, hips, gable ends etc, thoroughly cleaning and brushing down of all dirt, scale and general surface contamination, locating leaks and making watertight, refixing loose screws, replacing damaged or missing screws, etc. and leave perfectly clean on completion in preparation to receive new paint (new paint elsewhere measured) (contractor to follow precautionary guidelines as per Occupational Health & Safety Act):				
Α	Waterjet profiled asbestos roof covering with pitch not exceeding 25 degrees	m²	588		
	SERVICING OF WINDOWS, DOORS, PLUMBING, ETC.				
	Attend to, service, re-align and repair as necessary all steel windows including removing existing putty, applying new putty and replacing any defective or missing parts:				
В	Service existing steel windows, including burglar bars, with approximate overall size: 1400 x 1200mm high (B140: Window type W1)	No	1		
С	Service existing steel windows, including burglar bars, with approximate overall size: 1000 x 1000mm high (B140: Window type W2.1 - W2.2)	No	2		
D	Service existing steel windows, including burglar bars, with approximate overall size: 1000 x 600mm high (B140: Window type W3)	No	1		
Е	Service existing steel windows, including burglar bars, with approximate overall size: 300 x 1100mm high (B141: Window type W1)	No	1		
F	Service existing steel windows, including burglar bars, with approximate overall size: 500 x 600mm high (B141: Window type W2.1 - W2.2)	No	2		
G	Service existing steel windows, including burglar bars, with approximate overall size: 1500 x 700mm high (B143: Window type W3.1 - W3.2)	No	2		
	Carried Forward			R	
	SECTION NO. 2 BILL NO. 01 - ALTERATIONS				

	Brought Forward	Í		R	
	Attend to, service, re-align and repair as necessary all timber windows including removing existing putty, applying new putty and replacing any defective or missing parts:	3		5	
Α	Service existing timber windows with approximate overall size: 1100 x 1700mm high (B144: Window type W1.1 - W1.12)	No	13		
В	Service existing timber windows with approximate overall size: 900 x 1700mm high (B144: Window type W1.13)	No	1		
С	Service existing timber windows with approximate overall size: 600 x 700mm high (B144: Window type W2.1 - W2.5)	No	5		
	Attend to, service and repair as necessary all timber doors including replacing any defective or missing parts:				
D	Service existing timber single door with approximate overall size: 900 x 2100mm high including hinges and ensure that door is properly aligned to open and close correctly (B140: Door type D1)	No	1		
Е	Service existing timber single door with approximate overall size: 800 x 2100mm high including hinges and ensure that door is properly aligned to open and close correctly (B141: Door type D2)	No	1		
F	Service existing timber single door with approximate overall size: 1000 x 2100mm high including hinges and ensure that door is properly aligned to open and close correctly (B141: Door type D3 - not shown on drawing)	No	1		
G	Service existing timber single door with approximate overall size: 900 x 2100mm high including hinges and ensure that door is properly aligned to open and close correctly (B141: Door type D4 - not shown on drawing)	No	1		
Н	Service existing timber single door with approximate overall size: 800 x 2100mm high including hinges and ensure that door is properly aligned to open and close correctly (B143: Door type D18)	No	1		
	Carried Forward			R	
	SECTION NO. 2 BILL NO. 01 - ALTERATIONS				

	Brought Forward			R	
Α	Service existing timber single door with approximate overall size: 800 x 2100mm high including hinges and ensure that door is properly aligned to open and close correctly (B144: Door type D11)	No	1		
В	Service existing timber single door with approximate overall size: 900 x 2100mm high including hinges and ensure that door is properly aligned to open and close correctly (B144: Door type D14 & D15)	No	2		
	Attend to, service and repair as necessary all sanitary fittings, taps including replacing any defective or missing parts:				
	Outer edges of urinals, wash hand basins, water closets, etc. are to be sealed with new anti-fungal joint sealant against adjacent surfaces with approved silicone				
С	Service existing wash hand basins including taps, etc.complete	No	16		
D	Service existing water closet pans including cisterns, toilet seats etc. complete	No	4		
Ε	Service existing floor urinal, flush valve or cistern, waste outlet, etc. complete	No	1		
F	Service existing shower, including shower heads, taps, etc. complete	No	3		
	Carried Forward to Summary of Section No.			R	
	SECTION NO. 2 BILL NO. 01 - ALTERATIONS				

Item No		Quantity	Rate	Amount R
	SECTION NO. 2 : BUILDING WORK			
	BILL NO. 02 - WATERPROOFING			
	PREAMBLES			
	The Contractor is referred to the Model Preambles (2008), Alterations			
	The Contractor is referred to all of the Architect's drawings for the following buildings; B140, B141, B142, B143, B144, B145, B146 & B147			
	The Contractor is referred to the Scope of Works Document			
	The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles			
	SUPPLEMENTARY PREAMBLES			
	Waterproofing			
	Installation by Approved Waterproofing Contractor			
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs			
	Waterproofing to roofs, basements, parking decks, etc. Must be installed by Manufacturer approved contractors.			
	Preparation of Substrates & Surfaces			
	Substrates and surfaces must be smooth, clean, free of contaminants and dry			
	Substrates and surfaces must be prepared in accordance with manufacturer's instructions			
	The contractor is to allow for the cost of substrate preparation in the rates for Waterproofing items			
	Carried Forward		R	
	SECTION NO. 2 BILL NO. 02 - WATERPROOFING			

	Brought Forward		R	
	<u>NOTE</u>			
	Unless otherwise described, all work in this trade is to be carried out in/to existing buildings			
	PROTECTIVE FIBRE REINFORCED BANDS TO ROOFS			
	Prepare and apply "Sika Multiseal Sealant Band" similar approved waterproofing band including one coat "CPC500" or similar approved paint:			
Α	On profiled asbestos roof covering (Provisional) m²	59		
	Carried Forward to Summary of Section No.		R	
	SECTION NO. 2 BILL NO. 02 - WATERPROOFING			=

Item No		Quantity	Rate	Amount R
	SECTION NO. 2 : BUILDING WORK			
	BILL NO. 03 - CARPENTRY AND JOINERY			
	PREAMBLES			
	The Contractor is refered to the Model Preambles (2008), Carpentry and Joinery			
	The Contractor is referred to all of the Architect's drawings for the following buildings; B140, B141, B142, B143, B144, B145, B146 & B147			
	The Contractor is referred to the Scope of Works Document			
	The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles			
	SUPPLEMENTARY PREAMBLES			
	Joinery:			
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
	Sizes:			
	Sizes are nominal and the Contractor shall make allowance in his prices for minor variances in stated finished sizes of timber doors, members, frames, architraves, skirtings, etc.			
	<u>Prices</u>			
	Prices for all joinery work are to include for general framing, housing and notching, arris rounded angles, glueing, blocking, planting on, screwing, adhesives, dowels, pellets, cross tongues, screws and nails and setting up complete and also for all square cutting and waste. Tops shall be secured with metal or hardwood buttons.			
	Carried Forward  SECTION NO. 2 BILL NO. 03 - CARPENTRY AND JOINERY		R	

	Brought Forward			R	
	General				
	The contractor is to verify all joinery sizes on site prior to the installation thereof				
	<u>NOTE</u>				
	Unless otherwise described, all work in this trade is to be carried out in/to existing buildings				
	FLOORS, ETC.				
	SKIRTINGS, NOSINGS, ETC				
	Wrought hardwood or similar approved skirting to match existing:				
Α	19 x 70mm 'Selected" Meranti hardwood skirting, plugged and pelleted to brick walls (B141)	m	44		
	EAVES, VERGES, ETC.				
	'Nutec' or similar approved fascia boards, medium density plain fibre cement fascia and barge boards fixed with and including fittings and fixing accessories, all in accordance with the manufacturers instructions:				
В	Approximately 12 x 350mm wide fascias and barge boards (Provisional)	m	19		
	Carried Forward to Summary of Section No.			R	
	SECTION NO. 2 BILL NO. 03 - CARPENTRY AND JOINERY				

Item No		Quantity	Rate	Amount R
	SECTION NO. 2 : BUILDING WORK			
	BILL NO. 04 - CEILINGS			
	PREAMBLES			
	The Contractor is refered to the Model Preambles (2008), Carpentry and Joinery			
	The Contractor is referred to all of the Architect's drawings for the following buildings; B140, B141, B142, B143, B144, B145, B146 & B147			
	The Contractor is referred to the Scope of Works Document			
	The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles			
	SUPPLEMENTARY PREAMBLES			
	Descriptions:			
	Boards must be stacked on a level surface in a dry place on a timber platform. Boards must be carried on edge.			
	Skimmed ceilings must be plastered the same day that the 'Rhinoboard' has been erected.			
	Fixing:			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete			
	<u>Ceilings</u>			
	Unless otherwise described ceilings shall be deemed to be horizontal			
	Wall paper and/or paint and varnish finishes are given elsewhere			
	Carried Forward SECTION NO. 2		R	
	BILL NO. 04 - CEILINGS			

	Brought Forward			R	1
	<u>NOTE</u>				ı
	Unless otherwise described, all work in this trade is to be carried out in/to existing buildings				
	NAILED UP CEILINGS				ı
	6.4mm "Rhino" or equal approved gypsum plasterboard with 50mm cover strips of mesh scrim nailed over joints and the whole finished with 6mm minimum cretestone gypsum skim plaster trowelled to smooth polished surface:				
Ą	Ceilings fixed to 38 x 38mm sawn softwood brandering at 400mm centres fixed to timber trusses (B144)	m²	21		1
	CORNICES				ı
	"Rhino" or equal approved gypsum plasterboard cornices:				
В	70mm Coved cornices, nailed (B144)	m	36		ı
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	Carried Forward to Summary of Section No.			R	
	SECTION NO. 2 BILL NO. 04 - CEILINGS				
					ı

Item No		Quantity	Rate	Amount R
	SECTION NO. 2 : BUILDING WORK			
	BILL NO. 05 - TILING			
	PREAMBLES			
	The Contractor is refered to the Model Preambles (2008), Tiling			
	The Contractor is referred to all of the Architect's drawings for the following buildings; B140, B141, B142, B143, B144, B145, B146 & B147			
	The Contractor is referred to the Scope of Works Document			
	The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles			
	SUPPLEMENTARY PREAMBLES			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
	Ceramic Tiles			
	Preparation:			
	Allow all new wall rendering to cure for at least 14 days. The rendering must be firmly attached to the substrate, must be integrally sound (no crumbling, cracking etc) and must be of a quality and consistency suitable for tiling. The background must be clean, dry, firm, sound and free of dust, loose particles and surface contaminants before proceeding.			
	Carried Forward  SECTION NO. 2 BILL NO. 05 - TILING		R	

	Brought Forward		R	
	Steel-trowelled surfaces should be primed with slurry consisting of a 1 part Tal Keycoat or equal approved to 2 parts cement (by volume). The adhesive must be applied while this slurry coat is still tacky.			
	<u>NOTE</u>			
	Unless otherwise described, all work in this trade is to be carried out in/to existing buildings			
	FLOOR TILING			
	Allow a PC amount of R 150,00/m2 for supply only of ceramic floor tiles fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproof jointing compound:			
Α	On floors and landings (B143)	<sup>2</sup> 11		
	Carried Forward to Summary of Section No.		R	
	SECTION NO. 2			
	BILL NO. 05 - TILING			

Item No		Quantity	Rate	Amount R
	SECTION NO. 2 : BUILDING WORK			
	BILL NO. 06 - RAINWATER DISPOSAL			
	PREAMBLES			
	The Contractor is referred to the Model Preambles (2008), Plumbing and Drainage			
	The Contractor is referred to all of the Architect's drawings for the following buildings; B140, B141, B142, B143, B144, B145, B146 & B147			
	The Contractor is referred to the Scope of Works Document			
	The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles			
	SUPPLEMENTARY PREAMBLES			
	<u>NOTE</u>			
	Unless otherwise described, all work in this trade is to be carried out in/to existing buildings			
	RAINWATER DISPOSAL			
	'Everite' or similar approved fibre cement gutters and rainwater pipes in repairs to and including short lengths, cutting and jointing to existing rainwater goods:			
Α	150mm Diameter gutter to match existing (Provisional)	m 6	6	
В	150mm Diameter socketed rainwater pipes fixed with aluminium alloy downpipe clips including mastic jointing compound to seal downpipe joints (Provisional)	m 1	5	
С	Extra over 150mm eaves gutter for stopped end (Provisional)	No 1	3	
D	Extra over 150mm eaves gutter for outlet to 150mm downpipe (Provisional)	No	6	
	Carried Forward		R	
	SECTION NO. 2 BILL NO. 06 - RAINWATER DISPOSAL			

## ROBBEN ISLAND MUSEUM Sobukwe Complex (B140 - B147)

	Brought Forward			R	
Α	Extra over rainwater pipe for swan-neck for 150mm rainwater downpipe (Provisional)	No	4		
В	Extra over 150mm diameter rainwater pipe for shoe (Provisional)	No	4		
	Carried Forward to Summary of Section No.			R	
	SECTION NO. 2 BILL NO. 06 - RAINWATER DISPOSAL				

Item No		Quantity	Rate	Amount R
	SECTION NO. 2 : BUILDING WORK			
	BILL NO. 07 - GLAZING			
	PREAMBLES			
	The Contractor is refered to the Model Preambles (2008), Glazing			
	The Contractor is referred to all of the Architect's drawings for the following buildings; B140, B141, B142, B143, B144, B145, B146 & B147			
	The Contractor is referred to the Scope of Works Document			
	The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles			
	SUPPLEMENTARY PREAMBLES			
	Float glass			
	The term "float glass" is used for monolithic annealed glass			
	NOTE			
	Unless otherwise described, all work in this trade is to be carried out in/to existing buildings			
	GLAZING TO STEEL WITH PUTTY			
	4mm Clear float glass:			
Α	Panes exceeding 0,5m² and not exceeding 2m² (Provisional)	3		
	Carried Forward to Summary of Section No.		R	
	SECTION NO. 2 BILL NO. 07 - GLAZING			
	BILL NO. 07 - GLAZING			

Item No		Quantity	Rate	Amount R
	SECTION NO. 2 : BUILDING WORK			
	BILL NO. 08 - PAINTWORK			
	PREAMBLES			
	The Contractor is referred to the Model Preambles (2008), Painting			
	The Contractor is referred to all of the Architect's drawings for the following buildings; B140, B141, B142, B143, B144, B145, B146 & B147			
	The Contractor is referred to the Scope of Works Document			
	The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles			
	SUPPLEMENTARY PREAMBLES			
	Paint Specifications			
	All painting shall be done in accordance with the Architects General Specifications			
	Colours			
	Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091			
	All colours to be selected by the Architect			
	Sample panels of 2 x 2m size for all paint colours are to be presented on the walls and building for approval by the Architect before any final paint orders are placed by the Contractor. The cost of these sample panels is to be included in the rates for each paintwork item in this bill.			
	Carried Forward		R	
	SECTION NO. 2 BILL NO. 08 - PAINTWORK			

Brought Forward	R
Previously painted surfaces:	
Previously painted brick walls:	
Where hairline cracks are evident, fill in cracks with suitable filler. After the filler has been applied and dried, sand over lightly to smooth before painting.	
Where applicable, open up deeper cracks in a 'V' formation, remove residue, seal and fill cracks.	
Previously painted plastered surfaces:	
Surfaces shall be thoroughly washed down to remove dirt and other contaminants and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler, sanded smooth and the surface coated with an approved primer	
Previously painted plaster board:	
Wash down ceilings and other plaster board surfaces with sugar soap and rinse well before painting	
Previously painted metal surfaces:	
Surfaces shall be thoroughly rubbed and cleaned down to remove dirt and other contaminants and sanded lightly to provide a key for subsequent coats. Blistered or peeling paint shall be completely removed down to bare metal and any rust encountered shall be removed. Surfaces shall be coated with an approved primer	
Previously painted wood surfaces:	
Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with a suitable filler and sanded smooth	
<u>NOTE</u>	
Unless otherwise described, all work in this trade is to be carried out in/to existing buildings	
Carried Forward	R
SECTION NO. 2 BILL NO. 08 - PAINTWORK	

	Brought Forward			R	
	PAINTWORK ETC TO PREVIOUSLY PAINTED SURFACES				
	SABS Approved Paint applied in accordance with manufacturer's instructions:				
	ON INTERNAL FLOATED PLASTER SURFACES				
	Prepare and repair as specified, brush to remove all loose contaminants, rinse and apply suitable bonding liquid one coat approved alkali resistant primer to bare substrate areas and two coats approved pure acrylic paint on existing water-based painted surfaces:				
Α	On internal walls	m²	616		
	ON EXTERNAL FLOATED PLASTER SURFACES				
	Prepare and repair as specified, brush to remove all loose contaminants, rinse and apply suitable bonding liquid one coat approved alkali resistant primer to bare substrate areas and two coats approved pure acrylic paint on existing water-based painted surfaces:				
В	On external walls	m²	1 233		
	ON PLASTERBOARD SURFACES				
	Prepare surfaces and remove all loose material, apply one coat plaster primer and two coats polyurethane enamel paint:				
С	On internal partitions	m²	277		
	Carried Forward			R	 
	SECTION NO. 2 BILL NO. 08 - PAINTWORK				

	Brought Forward			R	
	ON WOOD SURFACES				
	Stop, fill, sand down and prepare wood surfaces and apply one undercoat and two coats polyurethane enamel paint:				
Α	On ceilings and cornices	m²	210		
В	On windows	m²	55		
С	On doors	m²	75		
D	On door frames, etc	m²	15		
	Clean, fill holes, sand down and prepare wood surfaces and apply three coats polyurethane varnish with light sanding between coats:				
Е	On doors	m²	4		
	ON METAL SURFACES				
	Apply one coat "Galvogrip" or equivalent self etching metal primer and two coats "Plascon" or equivalent velvaglo polyurethane satin gloss enamel paint to manufacturers specification, colour to later selection.				
F	On windows	m²	16		
G	On window burglar bars	m²	16		
	ON SMOOTH CONCRETE SURFACES				
	One coat primer and two coats superior quality acrylic emulsion pain for interior and exterior use including stopping blow holes				
Н	On concrete flat roof	m²	14		
I	Concrete ceiling soffits	m²	8		
J	On concrete eave soffits	m²	3		
	Carried Forward			R	
	SECTION NO. 2 BILL NO. 08 - PAINTWORK				

	Brought Forward	ı		R		Ī
	Remove any loose and flaking residue by means of wire brushing, open up cracks and make good with approved crackfiller sanded smooth and apply two coats epoxy paint:					
Α	On concrete floors, landings, treads and risers of stairs	m²	210			1
	ON FIBRE CEMENT SURFACES					1
	Prepare surfaces and remove all loose material, apply one coat plaster primer and two coats polyurethane enamel paint:					
В	On fascia boards and barge boards not exceeding 300mm wide	m	192			
С	On downpipes not exceeding 300mm girth	m	15			
D	On eaves gutters not exceeding 300mm girth	m	66			1
	ON ASBESTOS SURFACES					
	Prepare surfaces and remove all loose material, apply one coat plaster primer and two coats polyurethane enamel paint:					
Ε	On corrugated profile roof sheeting	m²	588			1
F	On water tanks	m²	21			
G	On downpipes not exceeding 300mm girth	m	29			
						1
						<u> </u>
	Carried Forward to Summary of Section No.			R		1
	SECTION NO. 2 BILL NO. 08 - PAINTWORK					<del></del>
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Item No		Quantity	Rate	Amount R
	SECTION NO. 2 : BUILDING WORK			
	BILL NO. 09 - PROVISIONAL SUMS			
	PREAMBLES			
	The Contractor is referred to the Model Preambles (2008), Painting			
	The Contractor is referred to all of the Architect's drawings for the following buildings; B140, B141, B142, B143, B144, B145, B146 & B147			
	The Contractor is referred to the Scope of Works Document			
	The Contractor shall check the quantity & condition of all goods on taking delivery. Any goods missing or damaged shall be replaced at the Contractor's expense.			
	Without in any way limiting the meaning and interpretation, general attendance on subcontractors shall include free of charge to the subcontractor the following services for the purpose of the relative subcontract works:			
	1.access to the site and to the places where the work is to be carried out, including the use of any temporary personnel hoists erected by the Contractor for his own use;			
	2.the provision of water, lighting and electric power to a position within 50 metres of the place where the work is to be carried out;			
	3.the use of erected scaffolding belonging to the Contractor, in common with others having the like right whilst it so remains erected upon the site;			
	4.the use of site services, messrooms, toilets, health and welfare facilities and the like, where provided;			
	In the event of the Contractor allowing for profit and/or attendance, the amount will be subject to adjustment pro-rata to the actual value of the subcontractor work calculated in direct ratio to any adjustment to the Provisional Sum.			
	Carried Forward		R	
	SECTION NO. 2 BILL NO. 09 - PROVISIONAL SUMS			

	Brought Forward		R	
	BUDGETARY ALLOWANCES			
	ELECTRICAL INSTALLATION			
Α	Provide the sum of	Sum		
В	Add for profit and attendance upon above, if required		%	
	MECHANICAL INSTALLATION			
С	Provide the sum of for the complete supply and installation of new mechanical work, which includes the possible installation of new HVAC systems as required.	Sum		
D	Add for profit and attendance upon above, if required		%	
	Carried Forward to Summary of Section No.		R	
	SECTION NO. 2 BILL NO. 09 - PROVISIONAL SUMS			

## ROBBEN ISLAND MUSEUM Sobukwe Complex (B140 - B147)

	SECTION NO. 2 : BUILDING WORKS			
Bill No	SECTION SUMMARY	Page No		Amount R
1	BILL NO. 01 - ALTERATIONS	20		
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3	BILL NO. 03 - CARPENTRY AND JOINERY	24		
4	BILL NO. 04 - CEILINGS	26		
5	BILL NO. 05 - TILING	28		
6	BILL NO. 06 - RAINWATER DISPOSAL	30		
7	BILL NO. 07 - GLAZING	31		
8	BILL NO. 08 - PAINTWORK	36		
9	BILL NO. 09 - PROVISIONAL SUMS	38		
	Carried to Tender Summary SECTION NO. 2		R	

# ROBBEN ISLAND MUSEUM Sobukwe Complex (B140 - B147)

FINAL SUMMARY							
Section No		Page No		Amount R			
1	SECTION NO. 1: PRELIMINARIES & GENERAL	13					
2	SECTION NO. 2 : BUILDING WORKS	39					
	SUBTOTAL		R				
	ADD Contingencies of 10% to be directed by the Architect or deducted in whole or in part from the contract amount if not required.		R				
	Subtotal		R				
	ADD VAT @ 15%		R				
	TOTAL INCLUDING VAT		R				
	TOTAL CARRIED TO FORM OF TENDER		R				