

**UNIVERSITY OF JOHANNESBURG CENTRAL TECHNICAL SERVICES
ROOF DOME SKYLIGHT ALTERATIONS
AUCKLAND PARK CAMPUS
PROVISIONAL BILL OF QUANTITIES**

Item No	Quantity	Rate	Amount
<p><u>SECTION 1</u></p> <p><u>BILL NO. 1 : PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Series 2000 Minor Works Agreement (March 2014 edition 5.1) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The ASAQS Preliminaries (November 2007 edition) published by the Association of South African Quantity Surveyors for use with the said JBCC Principal Building Agreement shall be deemed to be incorporated in these bills of quantities</p> <p>Contractors are referred to the abovementioned documents for the full intent and meaning of each clause thereof</p> <p>These clauses are hereinafter referred to by clause number and heading only. 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 and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents</p> <p>Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable"</p> <p><u>PREAMBLES FOR TRADES</u></p> <p>The Model Preambles for Trades (2017 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</p>			
Carried Forward		R	
<p>Section No. 1 Bill No. 1 Preliminaries and General</p>			

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Brought Forward			R	
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				
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				
<u>PRICING OF PRELIMINARIES</u>				
Should the contractor select Option A in terms of subclause 3.2.1 in the Contract Data - Contractor to Employer (CE) for the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T)				
<u>GENERAL</u>				
The contractor's prices for all items throughout these bills of quantities must take into account SANS 10400-F:2010 Edition 3 part F site operations available of SABS.				
SUMMARY OF CATEGORIES				
1 Category : Fixed R.....	Item			
2 Category : Value R.....	Item			
3 Category : Time R.....	Item			
Carried to Final Summary			R	
Section No. 1 Bill No. 1 Preliminaries and General				

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Item No	Quantity	Rate	Amount
<p><u>SECTION 2: BUILDING WORKS</u></p> <p><u>BILL NO.1: ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2017 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderer's are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard.</p> <p>Tenderer's are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>View site</u></p> <p>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials salvageable from the alterations. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for alteration purposes unless otherwise stated</p>			
<p>Carried Forward</p> <p>Section No. 2 Bill No. 1 Alterations</p>		<p>R</p>	

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	Brought Forward		R
<p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><u>REMOVAL OF EXISTING WORK</u></p>			
	Carried Forward		R
<p>Section No. 2 Bill No. 1 Alterations</p>			

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	Brought Forward			R	
	<u>Taking out/off and removing glass panels on concrete surfaces</u>				
1	Glass panels from existing position, including cleaning out and treatment of surface for new glass panels	No	120		
	<u>MAKING GOOD OF FINISHES ETC</u>				
	<u>Making good of all existing work</u>				
2	Allow for making good all trades to existing work where damaged or disturbed through alterations with all necessary new materials to match and leave complete and perfect in every respect.		Item		
	<u>Leave in good condition</u>				
3	The Contractor is to allow for leaving the existing building, in which the alterations are undertaken, clean and neat at completion		Item		
	<u>BUDGETARY ALLOWANCE</u>				
4	Allow for unforeseen alterations, to be measured and priced in accordance with this Bill of Quantities and omitted in part or whole as instructed by Principal Agent		Item		10 000.00
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2				
	Bill No. 1				
	Alterations				

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Item No		Quantity	Rate	Amount
	<p><u>SECTION 2: BUILDING WORKS</u></p> <p><u>BILL NO.2: WATERPROOFING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2017 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderer's are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard.</p> <p>Tenderer's are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p>Surfaces to be clean, dry, sound and free and from dust, grease or any contamination that could impair bonding. Mix Waterproof-it Compound A with Waterproof-it Emulsion B to form a slurry, apply 1 to 2mm thick coat to cement plaster using a block brush into corners and bed Waterproof-it Membrane onto wet slurry allowing for 100mm overlaps, immediately apply 2nd coat to membrane ensuring saturation of the membrane. Apply 2mm thick of the rest of the rest of the shower area and allow to dry for 24 hours</p> <p><u>JOINT SEALANTS, ETC</u></p> <p><u>Sealant including non-fungul sustaining sealant</u></p>			
1	Clean and apply SIKASIL or equal approved sealant around skylight frame	m	1 131	
	<p><u>WATERPROOFING TO ROOFS ETC</u></p>			
	Carried Forward			R
	Section No. 2 Bill No. 2 Waterproofing			

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	Brought Forward				R
2	<p><u>Prime with one coat bitumen primer and one layer 4mm fully bonded waterproof membrane comprising two bitumen layers reinforced with woven spunbonded polyester fabric and coated with polyethelene film for heat bonding, laid with 100mm side and 300mm end laps</u></p> <p>Dressing and sealing into approximately 1300 - 1800mm diameter concrete base for skylights, including additional membrane</p>	No	120		
	Carried Forward to Summary of Section No. 2				R
	Section No. 2				
	Bill No. 2				
	Waterproofing				

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Item No	Quantity	Rate	Amount
<p><u>SECTION 2: BUILDING WORKS</u></p> <p><u>BILL NO. 3: METALWORK</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>For preambles see "Model Preambles for Trades (2017 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderer's are therefore referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard.</p> <p>Tenderer's are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.</p> <p><u>DESIGN, WORKMANSHIP AND MATERIALS SHOULD ADHERE TO THE FOLLOWING:</u></p> <p>1) SABS 0160 (Code wind super imposed loading)</p> <p>2) SABS 0162 (Steel design code)</p> <p>3) AAMSA Selection guide (design and testing guide aluminium and glass static structures)</p> <p>4) SABS 0137 (Code for practice for installation of glazing materials in building)</p> <p>5) SANS 10400 part N and XA</p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p>			
<p>Carried Forward</p> <p>Section No. 2 Bill No. 3 Metalwork</p>		R	

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			R
Brought Forward			
Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres			
<u>SAMPLES</u>			
Samples of all dome skylights shall adhere to the design parameters as mentioned above.			
<u>ALUMINIUM FRAMED ROOF SKYLIGHTS</u>			
<u>4mm acrylic polycarbonate roof skylight dome with aluminium frame in panels with tinted Low-Emissivity (Low-E) tempered-over-laminated glass with a minimum thickness of 20mm thick and sealed with sealant in joints</u>			
1 Hibiscus skylights size approximately 1 300 - 1800mm wide x 450mm height with and including 480mm high side panel - skylight panels to be 1000mm long and including applying SIKASIL or equal approved sealant around skylight frame	No	120	
<u>BUDGETARY ALLOWANCE</u>			
2 Allow for 12 month guarantee on completion of the works		Item	120 000.00
<u>SAMPLE FOR APPROVAL</u>			
3 Construct a sample dome skylight complete, in a position as directed by the client PM, and including demolishing and removal after completion.	No	1	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 3			
Metalwork			

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SECTION SUMMARY - SECTION 2: BUILDING WORKS

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2	Waterproofing	7	
3	Metalwork	9	
Carried to Final Summary			R
Section No. 2			

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<u>FINAL SUMMARY</u>				
1	SECTION 1: PRELIMINARIES	2		
2	SECTION 2: BUILDING WORKS	10		
	Sub Total		R	
<u>CONTINGENCY</u>				
	Allow a contingency amount at 10% of the contract amount to be used as directed by the Principal Agent.	%		
	Sub-total		R	
	Add: Value Added Tax (VAT)		R	
	Carried to Form of Tender		R	