

Item No		Quantity	Amount
16	Clause 16.0 - Site and access Clause 16.7 - <i>Known services</i> Clause 16.8 - <i>Protection of trees</i> (All trees must be protected and preserved) F:..... V:..... T:.....	Item	
17	Clause 17.0 - Contract instructions F:..... V:..... T:.....	Item	
18	Clause 18.0 - Setting out of the works The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments. F: V:.....T:.....	Item	
19	Clause 19.0 - Temporary works and plant Subclause 19.1.1 - <i>Enclosure of the works</i> Subclause 19.1.2 - <i>Office accommodation</i> Clause 19.2 - <i>Notice boards</i> F:..... V:..... T:.....	Item	
20	Clause 20.0 - Nominated subcontractors F:..... V:..... T:.....	Item	
21	Clause 21.0 - Selected subcontractors F:..... V:..... T:.....	Item	
22	Clause 22.0 - Employer's direct contractors F:..... V:..... T:.....	Item	
23	Clause 23.0 - Contractor's domestic subcontractors F:..... V:..... T:.....	Item	
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Section No. 1 - Preliminaries Bill No. 1 Preliminaries SARS RISSIK STREET PROPOSED WATERPROOFING REFURBISHMENT			

Item No		Quantity	Amount
	<u>Payment</u>		
31	<p>Clause 31.0 - Interim payment</p> <p>The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.4 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable</p> <p>Materials and goods stored off site shall not be included in the amount authorised for payment</p> <p>F:..... V:..... T:.....</p>	Item	
32	<p>Clause 32.0 - Adjustment to the contract value</p> <p>All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor</p> <p>Where prices are submitted by the contractor or n/s subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final payment certificate, it shall be in writing</p> <p>F:..... V:..... T:.....</p>	Item	
33	<p>Clause 33.0 - Recovery of expense and loss</p> <p>F:..... V:..... T:.....</p>	Item	
34	<p>Clause 34.0 - Final account and final payment</p> <p>F:..... V:..... T:.....</p>	Item	
35	<p>Clause 35.0 - Payment to other parties</p> <p>F:..... V:..... T:.....</p>	Item	
	<u>Termination</u>		
36	<p>Clause 36.0 - Termination by employer - contractor's default</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried to Collection	R	
	<p>Section No. 1 - Preliminaries</p> <p>Bill No. 1</p> <p>Preliminaries</p> <p>SARS RISSIK STREET</p> <p>PROPOSED WATERPROOFING REFURBISHMENT</p>		

Item No		Quantity	Amount
47	<p>42.2.8 Intended date of practical completion and the penalty per calendar day for the works as a whole: 2 (Months) months from the date of the possession of site</p> <p>Penalty per calendar day: R1,500.00 per calendar day on which the completion of the works may be in arrears</p>	Item	
48	<p>42.2.9 The law applicable to this agreement shall be that of: Republic of South Africa</p>	Item	
<u>SECTION B - PRELIMINARIES</u>			
<u>Definitions and interpretation</u>			
49	<p>Clause 1.0 - Definitions and interpretation</p> <p>F:..... V:..... T:.....</p>	Item	
<u>Documents</u>			
50	<p>Clause 2.1 - Checking of documents</p> <p>F:..... V:..... T:.....</p>	Item	
51	<p>Clause 2.2 - Provisional bills of quantities</p> <p>These bills of quantities are in "trades" format i.e - foundations, concrete work, masonry, waterproofing, roof coverings, carpentry and joinery, ceilings and partitions, ironmongery, metalworks, plastering, tiling, glazing, painting and are provisionally measured</p> <p>F:..... V:..... T:.....</p>	Item	
52	<p>Clause 2.3 - Availability of construction documentation</p> <p>F:..... V:..... T:.....</p>	Item	
<u>Previous work and adjoining properties</u>			
53	<p>Clause 3.1 - Previous work - dimensional accuracy</p> <p>F:..... V:..... T:.....</p>	Item	
54	<p>Clause 3.2 - Previous work - defects</p> <p>F:..... V:..... T:.....</p>	Item	
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Item No		Quantity	Amount
74	Clause 9.8 - Vermin F:..... V:..... T:.....	Item	
75	Clause 9.9 - Overhand work F:..... V:..... T:.....	Item	
<u>Schedule of variables</u>			
Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract			
10.1 -	Provisional bills of quantities [clause 2.2] The quantities are provisional	Yes	
10.2 -	Availability of construction documentation [clause 2.3] Construction documentation is complete	No	
10.3 -	Previous work - dimensional accuracy [clause 3.1]		
10.4 -	Previous work - defects [clause 3.2]		
10.5 -	Inspection of adjoining properties [clause 3.3]		
10.6 -	Water [clause 7.2] Option A (by contractor)	No	
	Option B (by employer - free of charge)	Yes	
	Option C (by employer - metered)	No	
10.7 -	Electricity [clause 7.3] Option A (by contractor)	No	
	Option B (by employer - free of charge)	Yes	
	Option C (by employer - metered)	No	
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Item No		Quantity	Amount
	<u>SECTION C - SPECIFIC PRELIMINARIES</u>		
76	Site instructions Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor F:..... V:..... T:.....	Item	
77	Warranties for material and workmanship Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the firm supplying the materials and/or doing the work and shall deliver same to the principal agent on the certified completion of the contract. The warranty shall state that workmanship, materials and installation are warranted for a specified period from the date of final completion and that any defects that may arise during the specified period shall be made good at the expense of the firm supplying the materials and/or doing the work, upon written notice to do so. The warranty will not be enforced if the work is damaged by defects in the construction of the building in which case the responsibility for replacement shall rest entirely with the contractor F:..... V:..... T:.....	Item	
78	Co-operation of contractor for cost management It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the final building cost does not exceed the budget. The principal agent undertakes to make available to the contractor all budgetary allowances and cost assessments/reports to enable the proper procedure to be implemented and the contractor shall attend all cost plan review and cost management meetings. The contractor undertakes to extend these procedures, as necessary, to all subcontractors F:..... V:..... T:.....	Item	
79	Propping of floors below The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:..... T:.....	Item	
	Carried to Collection	R	
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Section No. 1

Bill No. 1

Preliminaries

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Section No. 1 - Preliminaries

Bill No. 1

Preliminaries

SARS RISSIK STREET

PROPOSED WATERPROOFING REFURBISHMENT

Item No		Quantity	Rate	Amount
	<p>Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.</p> <p>Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.</p> <p>Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p>OLD MATERIALS TO BE CARTED AWAY: Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p>OLD MATERIALS 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.</p> <p>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR: Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p>HANDING OVER OF MATERIALS: Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, 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 Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p>			
	Carried to Collection		R	
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Item No		Quantity	Rate	Amount
	<u>Hacking up and removing existing waterproofing on slabs and prepare floor to receive new waterproofing</u>			
4	Existing torch on waterproofing	m2	1 666	
5	Existing torch on waterproofing in concrete gutters	m2	104	
6	Existing torch on waterproofing on turnups	m2	181	
	<u>Take out and remove existing flashing</u>			
7	Existing flashing on walls	m	1 934	
	<u>Take out and remove existing gutters</u>			
8	150 x 125mm Square gutter fixed to rafter feet	m	90	
	<u>Take out and remove existing roof coverings</u>			
9	Take out and remove existing roof coverings	m2	20	
	<u>Take out and remove existing timber eaves with mesh below (Please check exact detail on site)</u>			
10	Take out and remove existing eaves	m2	30	
	<u>Take out and remove 150mm layer existing 19mm stones from roof slab, store on site and re-lay once waterproofing has been completed</u>			
11	19mm stones	m2	512	
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
	<u>Prepare existing wall to receive new waterproofing</u>			
12	Remove existing flaking paint from wall and prepare wall to receive new waterproofing	m2	834	
	<u>Examination and repair of existing roof covering</u>			
13	Carefully examine/check existing sheet metal roof covering, replace/make good any defective sheets and check roof screws/bolts and replace where necessary (to ensure watertightness of roofs)	m2	1 635	
	Carried to Collection		R	
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SARS RISSIK STREET				
PROPOSED WATERPROOFING REFURBISHMENT				

Item No		Quantity	Rate	Amount
14	Carefully examine/check/clean existing down pipes, make good any defective down pipes, unblock where neccessary and refurbish where neccessary (to ensure watertightness and Smooth functionality)	m	105	
15	Carefully examine/check/clean existing head hoppers, make good any defective head hoppers and refurbish where neccessary (to ensure watertightness and Smooth functionality)	No	10	
16	Carefully examine/check/clean existing full bores, make good any defective full bores and refurbish where neccessary (to ensure watertightness and Smooth functionality)	No	15	
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Section No. 2

Bill No. 1

Alterations

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Section No. 2 - Building Works

Bill No. 1

Alterations

SARS RISSIK STREET

PROPOSED WATERPROOFING REFURBISHMENT

R

Item No		Quantity	Rate	Amount
	<p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 2</u></p> <p><u>WATERPROOFING</u></p> <p>NOTE : Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE : Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 120 for JBCC CPAP purposes</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Waterproofing</u></p> <p>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</p> <p>-----</p> <p><u>WATERPROOFING TO ROOFS AND BASEMENTS</u></p> <p>All waterproofing is to be applied in strict accordance with the manufacturer's requirements by firms who are WFSA members and approved by Derbigum SA (Pty) Ltd.</p> <p>Tenderers are advised to refer to the latest edition of the Derbigum Waterproofing Manual which must be read in conjunction with these Bills Of Quantities. The Contractor must lodge a Ten Year Guarantee on all waterproofing with the Architect prior to commencement of the work.</p> <p>All screeds, concrete or brick surfaces to be waterproofed must be dry, firm, smooth and free of loose aggregate, sharp protrusions, formwork release agents and other contaminants. Honeycombed concrete and other uneven places must be made good to a smooth, even and firm surface.</p> <p>The contractor must allow for testing the waterproofing membrane by allowing the roof slab to undergo a 48-74 hour flood test to certification by specialist prior to completion of works</p> <p>All surfaces where new waterproofing is to be installed to receive bitumen primer to specialist detail. Contractor to</p> <p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 - Building Works Bill No. 2 Waterproofing SARS RISSIK STREET PROPOSED WATERPROOFING REFURBISHMENT</p>			
			R	

Item No		Quantity	Rate	Amount
	ensure primer receives no damages to surface. Primed surface to be cleaned prior to water proofing application.			
	<u>One layer dual reinforced torch-on waterproofing membrane, (with a dispersion index of no less than "C"), with 75mm side laps and 100mm end laps, sealed to and including bitumen primed surface on mastic finish to fall and cross-falls by "torch fusion"</u>			
1	On flat roofs	m2	676	
	<u>One layer dual reinforced torch-on waterproofing membrane, (with a dispersion index of no less than "C"), with 75mm side laps and 100mm end laps, sealed to and including bitumen primed surface on screed finish to fall and cross-falls by "torch fusion"</u>			
2	On flat roofs	m2	1 666	
3	On gutters	m2	149	
4	On turn ups	m2	1 614	
5	On window cills	m2	15	
6	On dressing to 150mm full bore	No	15	
	<u>SLIP SHEET</u>			
	<u>Perforated high density polyethylene drainage layer on waterproofing system</u>			
7	On waterproofing to flat roofs, tops and sides of inverted beams	m2	512	
	<u>PROTECTIVE ROOFING PAINT</u>			
	<u>Two coats bituminous aluminium paint</u>			
8	On waterproofing to flat roofs, tops and sides of inverted beams	m2	2 343	
9	On waterproofing to concrete gutters	m2	149	
10	On waterproofing to turnups	m2	1 614	
11	On waterproofing to window cills	m2	15	
12	On dressing to 150mm full bore	No	15	
	Carried to Collection		R	
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Section No. 2

Bill No. 2

Waterproofing

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Section No. 2 - Building Works

Bill No. 2

Waterproofing

SARS RISSIK STREET

PROPOSED WATERPROOFING REFURBISHMENT

R

Item No		Quantity	Rate	Amount
	<p><u>Inspection prior to installation or erection</u></p> <p>Before commencing installation, the contractor shall verify that the following items have been checked and accepted:</p> <p>a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted.</p> <p>b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances.</p> <p>c. The corners of the roof are square and the wall framework is perpendicular or as specified.</p> <p>d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework.</p> <p>e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square.</p> <p>f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided.</p> <p>g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the Engineer before proceeding with the fixing of the cladding.</p> <p><u>Protrusion through sheeted surfaces</u></p> <p>Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting.</p> <p>Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation.</p>			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 - Building Works Bill No. 3 Roof Coverings, etc SARS RISSIK STREET PROPOSED WATERPROOFING REFURBISHMENT</p>		R	

Item No		Quantity	Rate	Amount
	<p><u>Cleaning of roofs, etc.</u></p> <p>All debris, etc arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, off cuts of insulation, surplus fasteners and sealants, mandrels from pop rivets, off cuts of flashings and sheeting, surplus flashing, food packaging, cartons, bottles, cans, etc shall not be left on the roof or in the gutters.</p> <p>Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, down pipes, etc.</p> <p>-----</p> <p><u>ROOF COVERINGS</u></p> <p><u>PROFILED METAL SHEETING AND ACCESSORIES</u></p> <p><u>Roof sheeting to match existing</u></p> <p>1 Roof covering with pitch not exceeding 25 degrees m2 20</p> <p><u>Eaves to match existing</u></p> <p>2 Timber eaves with mesh below to match existing (Please check exact detail on site) m2 30</p> <p><u>Gutters to match existing</u></p> <p>3 Gutters to match existing (Please check exact detail on site) m2 90</p>			
	<p>Carried to Collection</p> <p>Section No. 2 - Building Works</p> <p>Bill No. 3</p> <p>Roof Coverings, etc</p> <p>SARS RISSIK STREET</p> <p>PROPOSED WATERPROOFING REFURBISHMENT</p>		R	

Section No. 2

Bill No. 3

Roof Coverings, etc

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Section No. 2 - Building Works

Bill No. 3

Roof Coverings, etc

SARS RISSIK STREET

PROPOSED WATERPROOFING REFURBISHMENT

R

Item No		Quantity	Rate	Amount
	<p><u>Two coats bituminous aluminium paint to roofs on previously painted galvanised metal roofs</u></p> <p><u>Allow the following preparation prior to painting roofs</u></p> <p>>Apply Galvanised Iron Cleaner to all bare galvanised areas.</p> <p>>Allow a few minutes to react. Scrub using a bristle brush in conjunction with tap water to rinse and remove all contaminants.</p> <p>>A water brake free surface must be achieved. If not repeat the process.</p> <p>>Allow to dry completely.</p> <p>>Ensure surfaces are clean, sound and dry.</p> <p>Sellotape Test for Cleanliness:</p> <p>>Cut a 10-15cm strip of broad Sellotape (+-50mm) and using your thumb, press it down firmly onto the dry surface. Rip the tape off the surface and immediately stick it down on a sheet of clean, white paper. Check the tape for any discolouration/chalky deposit and if found to be present, the entire cleaning procedure must be repeated. Contaminant free tape must be evident prior to the application of the coating system.</p>			
3	On galvanised roofs	m2	1 635	
4	On gutters	m2	27	
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Section No. 2 - Building Works Bill No. 4 Paintwork SARS RISSIK STREET PROPOSED WATERPROOFING REFURBISHMENT				

Section No. 2

Bill No. 4

Paintwork

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Section No. 2 - Building Works

Bill No. 4

Paintwork

SARS RISSIK STREET

PROPOSED WATERPROOFING REFURBISHMENT

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Section No. 2 - Building Works

SARS RISSIK STREET

PROPOSED WATERPROOFING REFURBISHMENT

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CALCULATION OF BID SUM

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