

**UNIVERSITY OF THE WITWATERSRAND
KNOCKANDO MENS RESIDENCE
EXTERNAL FACADE WINDOW CONTRACT**

PRICE LIST

Item No		Quantity	Rate		Amount
	<u>BILL NO 1</u>				
	<u>WILLIAMS HALL</u>				
	<u>PRELIMINARIES</u>				
	<u>PRELIMINARY AND GENERAL</u> <u>(Applicable to the whole of the Works)</u>				
	<u>Preliminaries and general are to be priced in accordance with the programme submitted</u>				
	<u>CORE CLAUSES</u>				
	<u>1 General</u>				
1	Project director		SUM		
2	Contract manager		SUM		
3	Cost controller		SUM		
4	Supervisory staff other than those covered in items above		SUM		
5	Support staff other than those covered in items above		SUM		
6	Contractual requirements		SUM		
7	Items not included in the Bill of Quantities included elsewhere in the Preliminary and General item (specify):		SUM		
	Carried Forward			R	
	Bill No. 1 WILLIAMS HALL				

Brought Forward		R
<u>2 The Contractor's main responsibilities</u>		
8	Health and safety compliance services Without limiting the generality of the provisions of the agreement, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993 in which it is specifically stated that the employer shall prepare a documented health and safety specification for the works (attached) 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 shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification.	SUM
9	Site transport	SUM
10	Site accommodation and facilities to be provided by contractor	SUM
11	Temporary chemical toilet, to the approval of the Architect, for the full duration of the project and remove same upon completion	SUM
12	Site security	SUM
13	Clean site and remove rubble	SUM
14	Site surveys	SUM
15	Water supplies - client will provide water at selected points	SUM
16	Power supply - client by client at selected points	SUM
17	Notice boards and signage	SUM
18	Site fencing and gates	SUM
19	Hoarding requirements	SUM
20	Scaffolding	SUM
21	Disruptions due to noisy work	SUM
Carried Forward		R
Bill No. 1 WILLIAMS HALL		

	Brought Forward			R
22	The Contractor to provide appropriate shopdrawings of windows etc. for approval		SUM	
23	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>3 Time</u>			
24	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>4 Testing and Defects</u>			
25	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>5 Payments</u>			
26	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>6 Compensation events</u>			
27	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>7 Title</u>			
28	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	Carried Forward			R
	Bill No. 1 WILLIAMS HALL			

	Brought Forward	
		R
	<u>8 Risks and insurance</u>	
29	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
	<u>9 Termination</u>	
30	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
	<u>Preambles</u>	
	The windows, doors etc. forming part of the works are currently occupied by students The removal and replacement thereof must be completed in the same working day	
	All aluminium products to be AAAMSA performance tested and certified	
	All glazing shall comply with SANS 10400-PART N:2006 3rd edition and AAAMSA regulations	
	All anodising or powder coating to be certified in conformance with SABS 999 or SABS 1786 respectively	
	Minimum 5 year warranty to be provided by safety glass manufacturer against delamination and/or colour degradation	
	Stainless steel fittings and aluminium sections to be approved by architect prior to manufacturing	
	Safety glass to be marked with manufacturers name	
	<u>ALTERATIONS</u>	
	<u>REMOVAL OF EXISTING WORK</u>	
	Carried Forward	R
	Bill No. 1 WILLIAMS HALL	

Brought Forward		R
<p><u>Taking out and removing existing doors, windows, etc to be replaced with new aluminium doors and windows (new elsewhere measured)</u></p>		
31	Carefully take out and remove existing glazed steel windows, burglar bars, louvres and doors (in number 217)	m2 780
<p><u>MAKING GOOD OF FINISHES, ETC</u></p>		
<p><u>Making good internal and external reveals</u></p>		
32	Patch plaster to reveals around frames if required (Provisional)	m 1 710
33	Touch up paint to reveals around frames if required (Provisional)	m 1 710
<p><u>JOINT SEALANTS ETC</u></p>		
<p>Note: Scaffolding to be priced in Preliminaries and should be sufficient for all work required including application of sealant to windows</p>		
34	Approved sealant applied in accordance with manufacturers specifications to joints between frames and external façade (Provisional)	m 1 710
<p><u>ALUMINIUM WINDOWS, DOORS, ETC</u></p>		
<p><u>The following in design and supply of glazed aluminium window façades, with opening and fixed sections, doors, louvres and burglar bars to match existing where possible.</u></p>		
<p><u>Existing natural ventilation may not be reduced by changing the opening sections.</u></p>		
<p><u>Existing steel subframes must be properly treated for rust and painted with approved paint before new windows are installed.</u></p>		
<p><u>Glazing to be 6.38mm laminated safety glass all in accordance to national building regulations unless otherwise stated</u></p>		
Carried Forward		R
<p>Bill No. 1 WILLIAMS HALL</p>		

Brought Forward			R
<u>The following Aluminium windows as per Annexure A (P2)</u>			
35	New aluminium window approximately 7 480 x 610mm high consisting of 50% top hung opening sections and 50% approved Y- Louvred panels (P2 A)	No	3
<u>The following Aluminium windows as per Annexure A (P3)</u>			
36	New aluminium window approximately 1 460 x 1 530mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P3 A)	No	6
37	New aluminium window approximately 1 960 x 1 530mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P3 B)	No	6
<u>The following Aluminium windows as per Annexure A (P5)</u>			
38	New aluminium window approximately 2 310 x 1 530 mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P5 A)	No	9
39	New aluminium window approximately 2 310 x 2 040mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P5 B)	No	3
<u>The following Aluminium windows as per Annexure A (P6)</u>			
40	New aluminium window approximately 1 420 x 600mm high including approved Y- Louvred middle panel (P6 A)	No	3
<u>The following Aluminium windows as per Annexure A (P8)</u>			
41	New aluminium window approximately 5 220 x 600mm high consisting of 50% top hung opening sections and 50% approved Y- Louvred panels, including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P8 A)	No	6
Carried Forward			R
Bill No. 1 WILLIAMS HALL			

Brought Forward			R
<u>The following Aluminium windows as per Annexure A (P9)</u>			
42	New aluminium window approximately 1 420 x 600mm high including approved Y- Louvred middle panel (P9 A)	No	3
<u>The following Aluminium windows as per Annexure A (P10)</u>			
43	New aluminium window approximately 1 870 x 1 530mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P10 B)	No	9
<u>The following Aluminium windows as per Annexure A (P11)</u>			
44	New aluminium window approximately 1 760 x 1 530mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P11 A)	No	3
45	New aluminium window approximately 1 760 x 600mm high consisting of 50% top hung opening sections and 50% approved Y- Louvred panels (P11 B)	No	3
<u>The following Aluminium windows as per Annexure A (P13)</u>			
46	New aluminium window approximately 1 800 x 1 200mm high (P13 A)	No	3
47	New aluminium window approximately 1 200x 1 200mm high (P13 B)	No	3
<u>The following Aluminium windows as per Annexure A (P16)</u>			
48	New aluminium window approximately 2 750x 1 450mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P16 A)	No	3
49	New aluminium window approximately 2 310x 1 450mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P16 B)	No	3
50	New aluminium window approximately 1870 x 1 450mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P16 C)	No	3
Carried Forward			R
Bill No. 1 WILLIAMS HALL			

Brought Forward			R
<u>The following Aluminium windows as per Annexure A (P17)</u>			
51	New aluminium window approximately 2 200x 1 450mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P17 A)	No	9
<u>The following Aluminium windows as per Annexure A (P18)</u>			
52	New aluminium window approximately 2 640x 2 550mm high (P18 A)	No	6
53	New aluminium window approximately 2 640 x 2 550mm high (P18 B)	No	3
<u>The following Aluminium windows as per Annexure A (P19)</u>			
54	New aluminium window approximately 1 870 x 1 700mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P19 A)	No	9
55	New aluminium window approximately 550 x 1 700mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P19 B)	No	3
56	New aluminium window approximately 880 x 1 700mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P19 C)	No	6
<u>The following Aluminium windows as per Annexure A (P20)</u>			
57	New aluminium window approximately 2 310 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P20 A)	No	6
58	New aluminium window approximately 1 430x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P20 B)	No	3
<u>The following Aluminium windows as per Annexure A (P25)</u>			
59	New aluminium window approximately 1 870 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P25 A)	No	21
Carried Forward			R
Bill No. 1 WILLIAMS HALL			

Brought Forward			R
60	New aluminium window approximately 3 300 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P25 B)	No	6
<u>The following Aluminium windows as per Annexure A (P27)</u>			
61	New aluminium window approximately 2 310 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P27 A)	No	6
62	New aluminium window approximately 1 540 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P27 B)	No	6
63	New aluminium window approximately 1 870 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P27 C)	No	6
<u>The following Aluminium windows as per Annexure A (P28)</u>			
64	New aluminium window approximately 1 870 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P28 A)	No	6
65	New aluminium window approximately 980 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P28 B)	No	3
<u>The following Aluminium windows as per Annexure A (P29)</u>			
66	New aluminium window approximately 1 870 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P29 A)	No	9
67	New aluminium window approximately 2 310 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P29 B)	No	3
68	New aluminium window approximately 2 050 x 610mm high (P29 C)	No	3
Carried Forward			R
Bill No. 1 WILLIAMS HALL			

Brought Forward			R
<u>The following Aluminium windows as per Annexure A (P30)</u>			
69	New aluminium window approximately 1 430 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P30 A)	No	3
70	New aluminium window approximately 2 200 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P30 B)	No	3
71	New aluminium window approximately 1 870 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P30 C)	No	3
72	New aluminium window approximately 2 750 x 1 540mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P30 D)	No	6
<u>The following Aluminium windows as per Annexure A (P31)</u>			
73	New aluminium window approximately 3 000 x 1 700mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P31 A)	No	1
74	New aluminium window approximately 1 800 x 1 700mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P31 B)	No	1
<u>The following Aluminium windows as per Annexure A (P32)</u>			
75	New aluminium window approximately 3 600 x 1 700mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P32 A)	No	1
<u>The following Aluminium windows as per Annexure A (P33)</u>			
76	New aluminium window approximately 2 600 x 1 700mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P33 A)	No	2
Carried Forward			R
Bill No. 1 WILLIAMS HALL			

Brought Forward			R
<u>The following Aluminium windows as per Annexure A (P35)</u>			
77	New aluminium window approximately 2 400 x 600mm high consisting of 50% top hung opening sections and 50% approved Y- Louvred panels (P35 A)	No	3
78	New aluminium window approximately 600 x 600mm high (P35 B)	No	12
79	New aluminium window approximately 1 600 x 800mm high (P35 C)	No	3
<u>End of design and supply of window façades</u>			
<u>PAINTER</u>			
<u>TO EXISTING FLOATED PLASTER SURFACES WITH</u>			
<u>One coat primer and two coats Plascon All purpose Matt PEM 800</u>			
80	To walls including beams, sills etc. (Provisional)	m2	200
Carried to Summary			R
Bill No. 1 WILLIAMS HALL			

Item No		Quantity	Rate	Amount
	<u>BILL NO 2</u>			
	<u>LIGHTON HALL</u>			
	<u>PRELIMINARIES</u>			
	<u>PRELIMINARY AND GENERAL</u> <u>(Applicable to the whole of the Works)</u>			
	<u>Preliminaries and general are to be priced in accordance with the programme submitted</u>			
	<u>CORE CLAUSES</u>			
	<u>1 General</u>			
1	Project director		SUM	
2	Contract manager		SUM	
3	Cost controller		SUM	
4	Supervisory staff other than those covered in items above		SUM	
5	Support staff other than those covered in items above		SUM	
6	Contractual requirements		SUM	
7	Items not included in the Bill of Quantities included elsewhere in the Preliminary and General item (specify):		SUM	
	Carried Forward		R	
	Bill No. 2 LIGHTON BLOCK			

Brought Forward		R
<u>2 The Contractor's main responsibilities</u>		
8	Health and safety compliance services Without limiting the generality of the provisions of the agreement, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993 in which it is specifically stated that the employer shall prepare a documented health and safety specification for the works (attached) 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 shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification.	SUM
9	Site transport	SUM
10	Site accommodation and facilities to be provided by contractor	SUM
11	Temporary chemical toilet, to the approval of the Architect, for the full duration of the project and remove same upon completion	SUM
12	Site security	SUM
13	Clean site and remove rubble	SUM
14	Site surveys	SUM
15	Water supplies - client will provide water at selected points	SUM
16	Power supply - client by client at selected points	SUM
17	Notice boards and signage	SUM
18	Site fencing and gates	SUM
19	Hoarding requirements	SUM
20	Scaffolding	SUM
21	Disruptions due to noisy work	SUM
Carried Forward		R
Bill No. 2 LIGHTON BLOCK		

	Brought Forward			R
22	The Contractor to provide appropriate shopdrawings of windows etc. for approval		SUM	
23	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>3 Time</u>			
24	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>4 Testing and Defects</u>			
25	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>5 Payments</u>			
26	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>6 Compensation events</u>			
27	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>7 Title</u>			
28	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	Carried Forward			R
	Bill No. 2 LIGHTON BLOCK			

Brought Forward		R
<u>8 Risks and insurance</u>		
29	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
<u>9 Termination</u>		
30	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
<u>General notes</u>		
The windows, doors etc. forming part of the works are currently occupied by students The removal and replacement thereof must be completed in the same working day		
All aluminium products to be AAAMSA performance tested and certified		
All glazing shall comply with SANS 10400-PART N:2006 3rd edition and AAAMSA regulations		
All anodising or powder coating to be certified in conformance with SABS 999 or SABS 1786 respectively		
Minimum 5 year warranty to be provided by safety glass manufacturer against delamination and/or colour degradation		
Stainless steel fittings and aluminium sections to be approved by architect prior to manufacturing		
Safety glass to be marked with manufacturers name		
<u>ALTERATIONS</u>		
<u>REMOVAL OF EXISTING WORK</u>		
Carried Forward		R
Bill No. 2 LIGHTON BLOCK		

Brought Forward			R
<u>Taking out and removing existing doors, windows, etc to be replaced with new aluminium doors and windows (new elsewhere measured)</u>			
31	Carefully take out and remove existing glazed steel windows, burglar bars, louvres and doors (in number 238)	m2	420
<u>Taking out/off and removing sundry metalwork</u>			
32	Take out and remove existing redundant sunscreens approximately 900 x 300mm wide including making good wall finish to match existing	No	45
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>			
33	External stone chip white rendered plaster from walls, columns and beams (provisional 30% to be replaced)	m2	60
<u>MAKING GOOD OF FINISHES, ETC</u>			
<u>Making good internal and external reveals</u>			
34	Patch plaster to reveals around frames if required (Provisional)	m	1 320
35	Touch up paint to reveals around frames if required (Provisional)	m	1 320
<u>Stone chip white cement rendering to match existing</u>			
36	To walls in panels (Provisional)	m2	30
37	Form drip to stone chip rendering over window lintels (Provisional)	m	200
<u>JOINT SEALANTS ETC</u>			
Note: Scaffolding to be priced in Preliminaries and should be sufficient for all work required including application of sealant to windows			
Carried Forward			R
Bill No. 2 LIGHTON BLOCK			

Brought Forward				R
38	Approved sealant applied in accordance with manufacturers specifications to joints between frames and external façade (Provisional)	m	1 320	
<u>ALUMINIUM WINDOWS, DOORS, ETC</u>				
<u>The following in design and supply of glazed aluminium window façades, with opening and fixed sections, doors, louvres and burglar bars to match existing where possible.</u> <u>Existing natural ventilation may not be reduced by changing the opening sections.</u> <u>Existing steel subframes must be properly treated for rust and painted with approved paint before new windows are installed.</u> <u>Glazing to be 6.38mm laminated safety glass all in accordance to national building regulations unless otherwise stated</u>				
<u>The following Aluminium windows as per Annexure B (P1)</u>				
39	New aluminium window approximately 1 650 x 510mm high (P1 A)	No	21	
40	New aluminium window approximately 1 800 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P1 B)	No	9	
<u>The following Aluminium windows as per Annexure B (P2)</u>				
41	New aluminium window approximately 1 650 x 510mm high (P2 A)	No	42	
42	New aluminium window approximately 1 800 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P2 B)	No	18	
43	New aluminium window approximately 900 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P2 C)	No	9	
Carried Forward				R
Bill No. 2 LIGHTON BLOCK				

Brought Forward			R
<u>The following Aluminium windows as per Annexure B (P4)</u>			
44	New aluminium window approximately 900 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P4 A)	No	3
45	New aluminium window approximately 1 650 x 510mm high (P4 B)	No	7
46	New aluminium window approximately 1 650 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P4 B)	No	2
47	New aluminium window approximately 800 x 2 400mm high (P4 C)	No	2
48	New aluminium window approximately 2 100 x 510mm high (P4 D)	No	3
49	New aluminium window approximately 800 x 510mm high (P4 E)	No	3
50	New aluminium window approximately 2 600 x 510mm high (P4 F)	No	3
51	New aluminium window approximately 1 720 x 2 375mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P4 G)	No	2
52	New aluminium window approximately 1 800 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P4 H)	No	2
53	New aluminium window approximately 1 800 x 2 400mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P4 H)	No	1
54	New aluminium window approximately 1 720 x 334mm high (P4 I)	No	1
55	New aluminium door approximately 1 600 x 2 000mm high (P4 J)	No	1
Carried Forward			R
Bill No. 2 LIGHTON BLOCK			

Brought Forward			R
<u>The following Aluminium windows as per Annexure B (P5)</u>			
56	New aluminium window approximately 1 650 x 510mm high (P5 B)	No	7
57	New aluminium window approximately 1 650 x 510mm high including burglar bars to opening sections (P5 B)	No	2
58	New aluminium window approximately 800 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P5 C)	No	5
59	New aluminium window approximately 2 100 x 510mm high (P5 D)	No	2
60	New aluminium window approximately 800 x 510mm high (P5 E)	No	2
61	New aluminium window approximately 800 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P5 E)	No	1
62	New aluminium window approximately 2 600 x 510mm high (P5 F)	No	2
63	New aluminium window approximately 2 600 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P5 F)	No	1
64	New aluminium window approximately 1 720 x 2 375mm high (P5 G)	No	2
65	New aluminium window approximately 1 800 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P5 H)	No	2
66	New aluminium window approximately 1 800 x 2 400mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P5 H)	No	1
67	New aluminium window approximately 1 720 x 334mm high (P5 I)	No	1
Carried Forward			R
Bill No. 2 LIGHTON BLOCK			

Brought Forward			R
68	New aluminium door approximately 1 600 x 2 000mm high (P5 J)	No	1
69	New aluminium door approximately 2 900 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P5 K)	No	1
70	New aluminium door approximately 2 400 x 510mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P5 L)	No	2
71	New aluminium door approximately 2 400 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P5 L)	No	1
<u>The following Aluminium windows as per Annexure B (P6)</u>			
72	New aluminium window approximately 900 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P6 A)	No	2
73	New aluminium window approximately 900 x 2 400mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P6 A)	No	1
74	New aluminium window approximately 1 650 x 510mm high (P6 B)	No	2
75	New aluminium window approximately 1 650 x 510mm high including burglar bars to opening sections (P6 B)	No	1
76	New aluminium window approximately 800 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P6 C)	No	2
77	New aluminium window approximately 2 100 x 510mm high (P6 D)	No	2
78	New aluminium window approximately 800 x 510mm high (P6 E)	No	2
Carried Forward			R
Bill No. 2 LIGHTON BLOCK			

Brought Forward			R
79	New aluminium window approximately 800 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P6 E)	No	1
80	New aluminium window approximately 2 600 x 510mm high (P6 F)	No	2
81	New aluminium window approximately 2 600 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P6 F)	No	2
82	New aluminium window approximately 1 720 x 2 375mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P6 G)	No	2
83	New aluminium window approximately 1 720 x 334mm high (P6 I)	No	1
84	New aluminium door approximately 1 600 x 2 000mm high (P6 J)	No	1
85	New aluminium door approximately 2 400 x 510mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P6 L)	No	2
86	New aluminium door approximately 2 400 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P6 L)	No	1
<u>The following Aluminium windows as per Annexure B (P7)</u>			
87	New aluminium window approximately 1 650 x 510mm high (P7 B)	No	8
88	New aluminium window approximately 1 650 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P7 B)	No	4
89	New aluminium window approximately 800 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P7 C)	No	2
Carried Forward			R
Bill No. 2 LIGHTON BLOCK			

Brought Forward			R
90	New aluminium window approximately 2 100 x 510mm high (P7 D)	No	2
91	New aluminium window approximately 2 100 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P7 D)	No	1
92	New aluminium window approximately 800 x 510mm high (P7 E)	No	2
93	New aluminium window approximately 800 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P7 E)	No	1
94	New aluminium window approximately 2 600 x 510mm high (P7 F)	No	2
95	New aluminium window approximately 2 600 x 510mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P7 F)	No	1
96	New aluminium window approximately 1 720 x 2 375mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P7 G)	No	2
97	New aluminium window approximately 1 800 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P7 H)	No	4
98	New aluminium window approximately 1 800 x 2 400mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (P7 H)	No	2
99	New aluminium window approximately 1 720 x 334mm high (P7 I)	No	1
100	New aluminium door approximately 1 600 x 2 000mm high (P7 J)	No	1
<u>The following Aluminium windows as per Annexure B (P8)</u>			
101	New aluminium window approximately 1 650 x 510mm high (P8 B)	No	3
Carried Forward			R
Bill No. 2 LIGHTON BLOCK			

Brought Forward			R
102	New aluminium window approximately 800 x 2 400mm high, bottom glazing panel to new aluminium window to receive approved frosted laminated glass (P8 C)	No	3
103	New aluminium window approximately 2 400 x 720mm high (P8 D)	No	7
104	New aluminium sliding door approximately 3 200 x 2 400mm high (P8 E)	No	1
<u>Purpose made aluminium external window sill to form drip over existing half brick wall</u>			
105	250mm Girth three times bent set sloping external aluminium window sill	m	185
106	Extra over aluminium sill for end closers	No	162
<u>End of design and supply of window façades</u>			
<u>PLASTERING (Provisional)</u>			
<u>EXTERNAL PLASTER</u>			
<u>Cement plaster on concrete</u>			
107	To walls on narrow widths	m2	24
<u>PAINTING (Provisional)</u>			
<u>Two coats Plascon PWC 520 or equally approved paint to new plastered surface</u>			
108	On external plastered walls not exceeding 300 mm wide	m	81
<u>One coat primer and two coats approved PVA to new plastered surface</u>			
109	On external plastered walls not exceeding 300 mm wide	m	81
Carried to Summary			R
Bill No. 2 LIGHTON BLOCK			

Item No		Quantity	Rate	Amount
	<u>BILL NO 3</u>			
	<u>BLOCK H</u>			
	<u>PRELIMINARIES</u>			
	<u>PRELIMINARY AND GENERAL</u> <u>(Applicable to the whole of the Works)</u>			
	<u>Preliminaries and general are to be priced in accordance with the programme submitted</u>			
	<u>CORE CLAUSES</u>			
	<u>1 General</u>			
1	Project director		SUM	
2	Contract manager		SUM	
3	Cost controller		SUM	
4	Supervisory staff other than those covered in items above		SUM	
5	Support staff other than those covered in items above		SUM	
6	Contractual requirements		SUM	
7	Items not included in the Bill of Quantities included elsewhere in the Preliminary and General item (specify):		SUM	
	Carried Forward		R	
	Bill No. 3 H BLOCK			

Brought Forward		R
<u>2 The Contractor's main responsibilities</u>		
8	Health and safety compliance services Without limiting the generality of the provisions of the agreement, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993 in which it is specifically stated that the employer shall prepare a documented health and safety specification for the works (attached) 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 shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification.	SUM
9	Site transport	SUM
10	Site accommodation and facilities to be provided by contractor	SUM
11	Temporary chemical toilet, to the approval of the Architect, for the full duration of the project and remove same upon completion	SUM
12	Site security	SUM
13	Clean site and remove rubble	SUM
14	Site surveys	SUM
15	Water supplies - client will provide water at selected points	SUM
16	Power supply - client by client at selected points	SUM
17	Notice boards and signage	SUM
18	Site fencing and gates	SUM
19	Hoarding requirements	SUM
20	Scaffolding	SUM
21	Disruptions due to noisy work	SUM
Carried Forward		R
Bill No. 3 H BLOCK		

	Brought Forward			R
22	The Contractor to provide appropriate shopdrawings of windows etc. for approval		SUM	
23	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>3 Time</u>			
24	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>4 Testing and Defects</u>			
25	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>5 Payments</u>			
26	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>6 Compensation events</u>			
27	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	<u>7 Title</u>			
28	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM	
	Carried Forward			R
	Bill No. 3 H BLOCK			

	Brought Forward		R
	<u>8 Risks and insurance</u>		
29	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM
	<u>9 Termination</u>		
30	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)		SUM
	<u>General notes</u>		
	The windows, doors etc. forming part of the works are currently occupied by students The removal and replacement thereof must be completed in the same working day		
	All aluminium products to be AAAMSA performance tested and certified		
	All glazing shall comply with SANS 10400-PART N:2006 3rd edition and AAAMSA regulations		
	All anodising or powder coating to be certified in conformance with SABS 999 or SABS 1786 respectively		
	Minimum 5 year warranty to be provided by safety glass manufacturer against delamination and/or colour degradation		
	Stainless steel fittings and aluminium sections to be approved by architect prior to manufacturing		
	Safety glass to be marked with manufacturers name		
	<u>ALTERATIONS</u>		
	<u>REMOVAL OF EXISTING WORK</u>		
	Carried Forward		R
	Bill No. 3 H BLOCK		

Brought Forward		R
<u>Taking out and removing existing doors, windows, etc to be replaced with new aluminium doors and windows (new elsewhere measured)</u>		
31	Carefully take out and remove existing glazed steel windows, burglar bars, louvres and doors (in number 50) m2	125
<u>MAKING GOOD OF FINISHES, ETC</u>		
<u>Making good internal and external reveals</u>		
32	Patch plaster to reveals around frames if required (Provisional) m	340
33	Touch up paint to reveals around frames if required (Provisional) m	340
<u>JOINT SEALANTS ETC</u>		
Note: Scaffolding to be priced in Preliminaries and should be sufficient for all work required including application of sealant to windows		
34	Approved sealant applied in accordance with manufacturers specifications to joints between frames and external façade (Provisional) m	340
<u>ALUMINIUM WINDOWS, DOORS, ETC</u>		
<u>The following in design and supply of glazed aluminium window façades, with opening and fixed sections, doors, louvres and burglar bars to match existing where possible.</u>		
<u>Existing natural ventilation may not be reduced by changing the opening sections.</u>		
<u>Existing steel subframes must be properly treated for rust and painted with approved paint before new windows are installed.</u>		
<u>Glazing to be 6.38mm laminated safety glass all in accordance to national building regulations unless otherwise stated</u>		
Carried Forward		R
Bill No. 3 H BLOCK		

Brought Forward			R
<u>The following Aluminium windows as per Annexure C (H1)</u>			
35	New aluminium window approximately 3 910 x 1 000mm high (H1 A)	No	1
<u>The following Aluminium windows as per Annexure C (H2)</u>			
36	New aluminium window approximately 2 200 x 700mm high (H2 A)	No	12
37	New approved Y- Louvred panels approximately 2 200 x 700mm high (H2 B)	No	2
<u>The following Aluminium windows as per Annexure C (H3)</u>			
38	New aluminium window approximately 3 910 x 1 000mm high (H1 A)	No	1
<u>The following Aluminium windows as per Annexure C (H4)</u>			
39	New aluminium window approximately 2 300 x 850mm high including approved Y- Louvred panels to sides of new aluminium window section (H4 A)	No	7
<u>The following Aluminium windows as per Annexure C (H5)</u>			
40	New aluminium window approximately 2 260 x 900mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (H5 A)	No	2
<u>The following Aluminium windows as per Annexure C (H6)</u>			
41	New aluminium window approximately 2 380 x 900mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (H6 A)	No	2
Carried Forward			R
Bill No. 3 H BLOCK			

Brought Forward			R
<u>The following Aluminium windows as per Annexure C (H7)</u>			
42	New aluminium window approximately 2 380 x 900mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (H7 A)	No	2
<u>The following Aluminium windows as per Annexure C (H8)</u>			
43	New aluminium window approximately 2 200 x 900mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (H8 A)	No	3
<u>The following Aluminium windows as per Annexure C (H9)</u>			
44	New aluminium window approximately 2 270 x 1 540mm high (H9 A)	No	9
45	New aluminium window approximately 2 270 x 1 540mm high including approved 10 x 10mm aluminium square tubing burglar bars fixed with self tapping one way screws to opening sections (H9 A)	No	9
<u>End of design and supply of window façades</u>			
Carried to Summary			R
Bill No. 3 H BLOCK			

FINAL SUMMARY

Bill No		Page No	Amount
1	WILLIAMS HALL	12	
2	LIGHTON BLOCK	24	
3	H BLOCK	31	
	Sub total		R
	15% Value added tax		R
	Carried to Offer and Acceptance		R