

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 1</u></b>			
	<b><u>BILL NO. 1</u></b>			
	<b><u>PRELIMINARY AND GENERAL (Applicable to the whole of the Works)</u></b>			
1	Project director (G1).		SUM	
2	Contracts manager (G2).		SUM	
3	Cost controller (G3).		SUM	
4	Supervisory staff other than those identified in items G1 to G3 (G4).		SUM	
5	Support staff not included in activities in the Activity Schedule or items G1 to G4 (G5).		SUM	
6	Health and safety compliance services (G6).		SUM	
7	Site transport (G7).		SUM	
8	Site accommodation and facilities (G8).		SUM	
9	Site toilets (G9).		SUM	
10	Site security (G10).		SUM	
11	Clean site and remove rubble (G11).		SUM	
12	Site surveys (G12).		SUM	
13	Health and safety (G13).		SUM	
14	Water (G14).		SUM	
15	Power (G15).		SUM	
16	Notice boards (G16).		SUM	
	<b>Carried to Collection</b>			
			R	
	Section No. 1 Bill No. 1 Preliminaries			

17	Site fencing and gates (G17).		SUM		
18	Hoarding requirements (G18).		SUM		
19	Scaffolding (G19).		SUM		
20	Equipment not included in the bill of quantities included elsewhere in the Preliminary and General Items (specify) (G20).		SUM		
<b>Carried to Collection</b>					
Section No. 1 Bill No. 1 Preliminaries				R	

<p>Section No. 1 Bill No. 1 Preliminaries</p> <p><b><u>COLLECTION</u></b></p> <p>Total Brought Forward from Page No.</p>	<p><b>Page No</b></p> <p>1</p> <p>2</p>	<p><b>Amount</b></p>	<p><b>Amount</b></p>
<p style="text-align: center;"><b>Carried to Final Summary</b></p>	<p style="text-align: center;">R</p>		
<p>Section No. 1 Bill No. 1 Preliminaries</p>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>ALTERATIONS</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Site inspection</u></b></p> <p>The Tenderer is advised to visit the site, inspect the existing premises and acquaint himself thoroughly with the nature of the work specified.</p> <p><b><u>Sizes and dimensions</u></b></p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>No allowance for overbreak has been made to any of the adjoining structures, walls, finishes, etc., where removals or pockets occur (the nett opening size, etc., has been made good in later items of this bill where such making good has not been included with the item) and the Contractor must allow in his prices for making good any overbreak that may occur.</p> <p><b><u>Materials</u></b></p> <p>Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 1 Alterations</p>			
			R	

	<p>Old materials from the 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.</p> <p>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>Where certain materials or articles from demolitions or alterations are described as to be handed over by the Contractor to the Client, 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 to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Client for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p><b><u>General</u></b></p> <p>All new finishes are measured in the relevant trades for new work.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p>All alteration works described hereunder shall imply the use of an approved screed or plaster repairing compound and preparing existing surfaces to receive new.</p> <p>Provide all necessary propping, etc., required to ensure the safety and stability of the structure during the contract period and remove at completion.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 2          Bill No. 1          Alterations</p>				
			R		

<p>Provide all necessary additional barricades, screens, overhead protections, etc., required to ensure the safety of persons, property, etc., and remove at completion.</p> <p>All alteration work is within an existing facility. The contractor shall take utmost care to minimise damage to existing completed works in the vicinity of the alteration works.</p>				
<p><b><u>REMOVAL OF EXISTING WORK</u></b></p>				
<p><b><u>Break up and remove reinforced concrete including cutting off and removing reinforcement:</u></b></p>				
<p>1 Steps, staircases, etc. m3 7</p>				
<p>2 Surface beds in isolated areas. m3 2</p>				
<p><b><u>Break down and remove brickwork, etc.:</u></b></p>				
<p>3 Half brick wall. m2 5</p>				
<p><b><u>Carefully take out and remove sundry metalwork and set aside for re-use:</u></b></p>				
<p>4 900mm High steel balustrade from concrete stairs. m 241</p>				
<p><b><u>Hack up/off and remove wall and floor tiles including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes:</u></b></p>				
<p>5 Tiles to floors. m2 13</p>				
<p><b><u>Take out and remove piping, sanitary fittings, etc. including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere):</u></b></p>				
<p>6 Wash hand basin with brackets, taps, etc. and all necessary piping, etc. No 2</p>				
<p style="text-align: center;"><b>Carried to Collection</b></p>			R	
<p>Section No. 2 Bill No. 1 Alterations</p>				

	<b><u>MAKE GOOD FINISHES, ETC.</u></b>				
	<b><u>Make good internal granolithic, screed, plaster, etc. to match existing:</u></b>				
7	Floors in patches.	m2	5		
8	Walls in patches.	m2	10		
9	Concrete soffits in patches.	m2	5		
	<b>THE FOLLOWING ARE RATE ONLY ITEMS</b>				
	<b><u>Break up and remove reinforced concrete in isolated areas to expose reinforcement:</u></b>				
10	Slabs, including beams and inverted beams.	m3			<b>Rate Only</b>
	<b><u>Cut off and remove exposed reinforcement:</u></b>				
11	Reinforcement of various sizes.	m			<b>Rate Only</b>
	<b>Carried to Collection</b>			R	
	Section No. 2 Bill No. 1 Alterations				





Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 2</u></b></p> <p><b><u>FOUNDATIONS</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Carting away of excavated material</u></b></p> <p>Descriptions of carting away of excavated material shall be deemed to include for bulking and loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><b><u>Subterranean water</u></b></p> <p>No information regarding subterranean water is available. The tenderer must acquaint himself of the presence and depth of subterranean water and allow thereof in his prices</p>			
	<p><b><u>EXCAVATION, FILLING, ETC</u></b></p> <p><b><u>Excavation in earth not exceeding 2m deep in:</u></b></p> <p>1 Excavation by hand to expose services. m3 5</p> <p>2 Trenches. m3 32</p> <p>3 Holes. m3 7</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 2 Foundations</p>			

	<b><u>Extra over excavations in earth for excavation in:</u></b>				
4	Soft rock.	m3	4		
5	Hard rock.	m3	3		
	<b><u>CARTING AWAY</u></b>				
	<b><u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u></b>				
6	Off site to a dumping site to be located by the Contractor.	m3	13		
	<b><u>RISK OF COLLAPSE</u></b>				
	<b><u>Risk of collapse to:</u></b>				
7	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	118		
	<b><u>KEEP EXCAVATIONS FREE OF WATER</u></b>				
8	Keeping excavations free of water other than subterranean water.			Item	
	<b><u>EARTH FILLING, ETC.</u></b>				
	<b><u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 93% Mod AASHTO density:</u></b>				
9	Backfilling to trenches, holes, etc.	m3	26		
	<b><u>Selected earth filling (Type G5 from commercial sources) supplied by the Contractor and spread, level, water and compact in layers not exceeding 150mm thick to 95% modified AASHTO density:</u></b>				
10	Filling under floors, ramps, etc.	m3	12		
	<b>Carried to Collection</b>			R	
	Section No. 2 Bill No. 2 Foundations				

	<b><u>DENSITY TESTS</u></b>				
	<b><u>Prescribed density tests on filling:</u></b>				
11	Modified AASHTO density tests.	No	1		
	<b><u>SOIL POISONING</u></b>				
	<b><u>Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:</u></b>				
12	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc. filling in furrows and ramming.	m2	24		
13	To bottoms and sides of trenches, etc.	m2	144		
	<b><u>CONCRETE</u></b>				
	<b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<b><u>15MPa/19mm concrete in:</u></b>				
14	Surface blinding under footings and bases.	m3	2		
	<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<b><u>25MPa/19mm Concrete in:</u></b>				
15	Strip footings.	m3	6		
16	Bases.	m3	1		
17	Stub columns.	m3	1		
18	Retaining walls.	m3	4		
19	Surface beds on waterproofing.	m3	4		
	<b>Carried to Collection</b>				
	Section No. 2 Bill No. 2 Foundations			R	

	<b><u>CONCRETE SUNDRIES</u></b>				
	<b><u>Finishing top surfaces of concrete smooth with a wood float:</u></b>				
20	Surface beds, slabs, etc. to falls.	m2	24		
	<b><u>GROUTING, ETC.</u></b>				
	<b><u>Class E non-shrink grout:</u></b>				
21	Bedding approximately 30mm thick under 250mm x 250mm base plate including chamfered edges all round.	No	8		
	<b><u>Casting in of holding down bolts:</u></b>				
22	Provide template for and embed set of four 16mm diameter x 300mm long steel holding down bolts (bolts elsewhere measured) into top of concrete slab in exact position.	No	8		
	<b><u>FORMWORK</u></b>				
	<b><u>ROUGH FORMWORK</u></b>				
	<b><u>Rough formwork to sides of:</u></b>				
23	Stub columns.	m2	6		
24	Walls including horsing-up not exceeding 3,5m above bearing level.	m2	49		
25	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	42		
	<b><u>REINFORCEMENT</u></b>				
	<b><u>High tensile steel rod reinforcement to structural concrete work:</u></b>				
26	12mm Diameter bars.	t	0.20		
	<b>Carried to Collection</b>			R	
	Section No. 2 Bill No. 2 Foundations				

27	<p>16mm Diameter bars.</p> <p><b><u>Fabric reinforcement with minimum 400mm wide overlaps:</u></b></p>	t	0.84	
28	<p>Type Ref 395 reinforcement in concrete surface beds, slabs, etc.</p> <p><b><u>WATERPROOFING</u></b></p> <p><b><u>One layer of 250 micron green polyethylene damp-proof membrane sealed at joints:</u></b></p>	m2	24	
29	<p>Under surface beds.</p>	m2	24	
<b>Carried to Collection</b>				R
<p>Section No. 2 Bill No. 2 Foundations</p>				

Section No. 2  Bill No. 2  Foundations  <b><u>COLLECTION</u></b>				
Total Brought Forward from Page No.	Page <b>No</b>		Amount	
	9		-----	
	10		-----	
	11		-----	
	12		-----	
	13		-----	
<p align="center"><b>Carried Forward to Summary of Section No. 2</b></p>		R		
Section No. 2 Bill No. 2 Foundations				

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 3</u></b></p> <p><b><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Type of cement</u></b></p> <p>All cement used in concrete work is to be OPC cement, no cement containing fly ash will be allowed.</p> <p><b><u>Cost of tests</u></b></p> <p>The costs of making, storing and testing of concrete test cubes shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Principal Agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the Principal Agent. (Test cubes are measured separately).</p>			
	<b>Carried to Collection</b>		R	
	<p>Section No. 2 Bill No. 3 Concrete, Formwork and Reinforcement</p>			

<b><u>Formwork</u></b>	<p>Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs, etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.</p>				
<b><u>CONCRETE SUNDRIES</u></b>					
<p>1 Carefully break out and remove existing concrete in isolated areas size overall 2800mm x 100mm x 20mm deep to expose steel reinforcement, coat reinforcement with "Prostruct 688" zinc rich primer and apply "Prostruct 524" repair mortar to finish off concrete in strict accordance with the manufacturer's instructions.</p>	No	7			
<p>2 Carefully break out and remove existing concrete in isolated areas size overall 1200mm x 30mm x 20mm deep to expose steel reinforcement, coat reinforcement with "Prostruct 688" zinc rich primer and apply "Prostruct 524" repair mortar to finish off concrete in strict accordance with the manufacturer's instructions.</p>	No	4			
<b>Carried to Collection</b>				R	
<p>Section No. 2 Bill No. 3 Concrete, Formwork and Reinforcement</p>					



3	Carefully break out and remove existing concrete in isolated areas size overall 700mm x 100mm x 20mm deep to expose steel reinforcement, coat reinforcement with "Prostruct 688" zinc rich primer and apply "Prostruct 524" repair mortar to finish off concrete in strict accordance with the manufacturer's instructions.	No	944		
4	Carefully break out and remove existing concrete in isolated areas size overall 500mm x 100mm x 20mm deep to expose steel reinforcement, coat reinforcement with "Prostruct 688" zinc rich primer and apply "Prostruct 524" repair mortar to finish off concrete in strict accordance with the manufacturer's instructions.	No	184		
5	Carefully break out and remove existing concrete in isolated areas size overall 340mm x 100mm x 20mm deep to expose steel reinforcement, coat reinforcement with "Prostruct 688" zinc rich primer and apply "Prostruct 524" repair mortar to finish off concrete in strict accordance with the manufacturer's instructions.	No	395		
6	Carefully break out and remove existing concrete in isolated areas size overall 250mm x 100mm x 20mm deep to expose steel reinforcement, coat reinforcement with "Prostruct 688" zinc rich primer and apply "Prostruct 524" repair mortar to finish off concrete in strict accordance with the manufacturer's instructions.	No	133		
7	Carefully break out and remove existing concrete in isolated areas size overall 200mm x 100mm x 20mm deep to expose steel reinforcement, coat reinforcement with "Prostruct 688" zinc rich primer and apply "Prostruct 524" repair mortar to finish off concrete in strict accordance with the manufacturer's instructions.	No	16		
<b>Carried to Collection</b>					
Section No. 2 Bill No. 3 Concrete, Formwork and Reinforcement				R	

8	<p>Carefully strip back and remove existing 20mm thick spalled concrete to expose steel reinforcement, coat reinforcement with "Prostruct 688" zinc rich primer and apply "Prostruct 524" repair mortar to finish off concrete in strict accordance with the manufacturer's instructions.</p> <p><b><u>REINFORCEMENT</u></b></p> <p><b><u>Fabric reinforcement with minimum 400mm wide overlaps:</u></b></p>	m	327	
9	Type Ref 193 reinforcement in screed.	m2	50	
<b>Carried to Collection</b>				R
<p>Section No. 2 Bill No. 3 Concrete, Formwork and Reinforcement</p>				

Section No. 2  Bill No. 3  Concrete, Formwork and Reinforcement  <b><u>COLLECTION</u></b>				
Total Brought Forward from Page No.	<b>Page No</b> 15		<b>Amount</b>	
	16		-----	
	17		-----	
	18		-----	
<p align="center"><b>Carried Forward to Summary of Section No. 2</b></p>		R		
Section No. 2 Bill No. 3 Concrete, Formwork and Reinforcement				

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>			
	<b><u>BILL NO. 4</u></b>			
	<b><u>MASONRY</u></b>			
	<b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition).</u></b>			
	<b><u>SUPERSTRUCTURE</u></b>			
	<b><u>Brickwork in burnt clay NFP bricks in 3:1 cement mortar:</u></b>			
1	Half brick walls.	m2	5	
	<b><u>BRICKWORK SUNDRIES</u></b>			
	<b><u>Brickwork Sundries:</u></b>			
2	Form toothings and bond new brickwork to existing brickwork.	m2	2	
	<b><u>Brick reinforcement</u></b>			
3	75mm Wide reinforcement built in horizontally.	m	20	
	<b><u>Prestressed concrete lintels</u></b>			
4	115mm Wide lintels in lengths not exceeding 3m	m	1	
5	115mm Wide lintels in lengths not exceeding 3m to form ramps.	m	498	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2 Bill No. 4 Masonry			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 5</u></b></p> <p><b><u>CARPENTRY &amp; JOINERY</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition).</u></b></p>			
1	<p><b><u>DOORS, ETC.</u></b></p> <p><b><u>Semi-solid flush doors:</u></b></p> <p><b><u>40mm Thick door with hardwood concealed edge strips finished on both sides with commercial veneer and hung on steel frames (frames elsewhere):</u></b></p> <p>Door size overall 900 x 2032mm high.</p>	No	1	
	<p><b>Carried Forward to Summary of Section No. 2</b></p> <p>Section No. 2 Bill No. 5 Carpentry &amp; Joinery</p>		R	

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 2</u></b>			
	<b><u>BILL NO. 6</u></b>			
	<b><u>IRONMONGERY</u></b>			
	<b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition).</u></b>			
	<b><u>LOCKS</u></b>			
1	"Ironware IW1926" indicator bolt set. No	1		
	<b><u>HANDLES</u></b>			
2	"Ironware Calini IW1011" stainless steel lever handle on rose. No	2		
	<b><u>DOOR CLOSERS</u></b>			
3	"Dorma TS90" door closer with slide channel. No	1		
	<b><u>BATHROOM FITTINGS</u></b>			
4	"Costa Lambrianos TR3 (Ref. 105)" powder coated steel three roll lockable type toilet roll dispenser plugged to wall. No	1		
5	"Costa Lambrianos Regal Ecolux (Ref. 250)" powder coated steel foam dispenser plugged to wall. No	1		
6	"Costa Lambrianos Minuet (Ref. 100)" powder coated steel sanitary bin plugged to wall. No	1		
	<b><u>SUNDRIES</u></b>			
7	"Ironware IW5002SC" door stop with rubber buffer. No	1		
	<b>Carried to Collection</b>			R
	Section No. 2 Bill No. 6 Ironmongery			

8	"Ironware IW5005H" hat and coat hook with rubber buffer.	No	1		
<b><u>GRAB RAILS, ETC</u></b>					
9	"Railman SR1" stainless steel flushvalve back rail including mounting brackets screwed and plugged to wall.	No	1		
10	"Railman DL2" stainless steel angle side rail including mounting brackets screwed and plugged to wall.	No	1		
<b>THE FOLLOWING ARE RATE ONLY ITEMS</b>					
<b><u>Carefully take out and remove plastic bucket seating and set aside for re-use:</u></b>					
11	Plastic seat with back rest from steel frame.	No			<b>Rate Only</b>
12	Plastic seat without back rest from steel frame.	No			<b>Rate Only</b>
<b><u>Re-install existing seating obtained from stockpiles on site:</u></b>					
13	Plastic seat with back rest.	No			<b>Rate Only</b>
14	Plastic seat without back rest.	No			<b>Rate Only</b>
<b>Carried to Collection</b>				R	
Section No. 2 Bill No. 6 Ironmongery					

<p>Section No. 2 Bill No. 6 Ironmongery</p> <p><b><u>COLLECTION</u></b></p>	<p>Total Brought Forward from Page No.</p>	<p><b>Page No</b> 22 23</p>		<p><b>Amount</b></p> <hr/> <hr/>
<p><b>Carried Forward to Summary of Section No. 2</b></p> <p>Section No. 2 Bill No. 6 Ironmongery</p>			<p>R</p>	



Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 7</u></b></p> <p><b><u>STRUCTURAL STEELWORK</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Shop drawings</u></b></p> <p>The contractor will be required to prepare shop details for the work which must be submitted to the Engineer for approval before fabrication is started. Approval of shop details by the Engineer will include the following:</p> <p>a) Examination of member sizes for consistency with design requirements.</p> <p>b) Examination of all connections designed and/or detailed by the fabricator, for adequacy of load trasference.</p> <p>c) Approval of leading dimensions which are taken to include such dimensions as may influence the design (eg, depth of trusses and girders) or which may grossly affect site programme (eg, truss spans andstanchion heights).</p> <p>Notwithstanding any approval of these details, the contractor shall remain responsible for ensuring that the dimensions, details and workmanship result in the correct assembly of the work.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 7 Structural Steelwork</p>			<p style="text-align: right;">R</p>

<p><b><u>Material and workmanship</u></b></p>	<p>The steelwork is to be fabricated from mild steel to SABS 1431 Grade 300W. The whole of the fabrication and workmanship generally is to be in strict accordance with SABS 0162-1984 as amended. The material shall be of best quality throughout, free from loose rust or millscale, true to thickness and profile throughout and of the section and mass specified subject to a 2% tolerance for rolling margin. Consideration will be given to any detail variation which the contractor may wish to make with the view to the simplification of either fabrication, delivery or erection. Substitutions must be made at the contractor's own expense.</p>				
	<p>The contractor shall provide Works Test Certificates where so required by the Architect.</p>				
	<p><b><u>Testing</u></b></p>				
	<p>The Engineer shall be at liberty to select test pieces from steelwork in the workshop or on the site and to have them tested. The expense of such tests are to be borne by the contractor if the steelwork does not comply with the standards laid down above. A provisional sum is allowed in the bill of quantities for non-destructive testing.</p>				
	<p><b><u>Hold down bolts</u></b></p>				
	<p>Holding down bolts and other fixing devices which are to be embedded in concrete must be supplied to the principal contractor on request together with the necessary information, identification and templates.</p>				
	<p>2 mm Mild steel plate templates provided on a scale of one template for every five groups of bolts, suitably marked to ensure easy identification are to be supplied to the principal contractor.</p>				
	<p><b>Carried to Collection</b></p>				
<p>Section No. 2 Bill No. 7 Structural Steelwork</p>				R	

<p>Any costs incurred by subsequent repositioning of bolts, etc resulting from the contractor having failed to furnish adequate information, identification and templates will be for the contractor's account.</p>				
<p><b><u>Welding</u></b></p>				
<p>Welding shall be in accordance with SABS 044 "Welding: Parts I, II and III".</p>				
<p>Welding shall be carried out in a manner which will prevent any distortion of the weld or the parent section.</p>				
<p>All welds shall have adequate root fusion and shall be free from cracks, porosity or other irregularities and any undercutting shall be made good by the deposition of additional runs of weld metal.</p>				
<p>Any completed welds showing cracks, cavities or other effects shall be cut out and made good at the contractor's own expense.</p>				
<p>Mild steel electrodes shall comply with SABS 455 "Covered Electrodes for Manual Arc Welding of Mild Steel and Medium High Tensile Steel".</p>				
<p><b><u>Bolts</u></b></p>				
<p>Bolts shall have well-formed heads forged from the solid. Nuts shall closely fit the bolts so that they can only just be turned by hand and at least one clear thread shall project beyond the nut when fully tightened. All bolts shall have one washer under the nuts and shall be so tightened that the threaded portion does not bear on the members connected.</p>				
<p>Where bolt heads or nuts bear upon bevelled surfaces they shall be provided with tapered washers of 2,3 mm mean thickness to provide a seating square with the axis of the bolt.</p>				
<p><b>Carried to Collection</b></p>			R	
<p>Section No. 2 Bill No. 7 Structural Steelwork</p>				

	<p><b><u>Friction grip bolts</u></b></p> <p>Connections specifying high strength friction grip bolts are to be in strict accordance with SABS 094 "Bolted Friction Grip Joints in Structural Steelwork" and the bolts used are to be in accordance with BS 3139 Part 1 : 1959 "General Grade Bolts, High Strength Friction Grip Bolts for Structural Engineering".</p> <p>Notwithstanding the above, the following must be rigidly adhered to :</p> <p>a) Two-case hardened washers, one flat or bevelled under the head and the other flat or bevelled under the nut shall be used with each bolt.</p> <p>b) Contact surfaces shall not be painted and shall be thoroughly cleaned free of dirt, oil, loose scale, burrs and other defects which are liable to reduce friction resistnace between surfaces.</p> <p>c) At all times the correct torques shall be applied to the different sizes of bolts.</p> <p><b><u>Erection</u></b></p> <p>The steelwork generally is to be fabricated in the contractor's works having due regard to transport and erection facilities. He must supply all erection tackle, temporary erection bracing, erect and plumb all steelwork and supply all steel wedges and tacks as required.</p> <p>Items may be detailed for delivery "piece small" or the contractor may prefabricate if he is satisfied that suitable arrangements for transport can be made.</p> <p>Connections are to be designed for the forces indicated on the drawings or to the maximum capacity of the members.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 7 Structural Steelwork</p>			<p style="text-align: center;">R</p>
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--------------------------------------

	<p><b><u>Cleaning and painting</u></b></p> <p>All structural steel is to be thoroughly degreased to remove all grease or oil and then wire-brushed, scraped or sand-papered to remove all rust, mill-scale or surface contaminations and is to be immediately given one coat zinc chromate, allowed to dry overnight and given one coat of universal undercoat prior to delivery to site. All damaged paintwork is to be made good on site after erection is complete.</p> <p><b><u>Testing of welders</u></b></p> <p>Tenderers must include in their rates for the testing of any welder used on the work who has not been tested within a period of six months immediately preceding his employment on this contract.</p> <p><b><u>Further notes</u></b></p> <p>Also refer to the structural steelwork notes indicated on the Engineer's relevant structural drawings.</p> <p><b><u>Painting/corrosion protection specification</u></b></p> <p>a) All steelwork shall be mechanically wire-brushed to ST30 blast clean to SA2.</p> <p>b) All steelwork shall receive one coat primer to DFT-100 micron.</p>				
1	<p><b><u>STEEL COLUMNS, BEAMS, POSTS, ETC.</u></b></p> <p><b><u>Welded columns in single lengths with flat section base, top, bearer and connection plates bolted to concrete slab:</u></b></p> <p>152 x 152 x 23kg/m H-section columns including base plates, connectors, etc.</p> <p style="text-align: right;">t</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 7 Structural Steelwork</p>	0.16		R	

	<p><b><u>Welded beams in single lengths with flat section gusset, bearer and connection plates:</u></b></p> <p>2 152 x 152 x 23kg/m H-section beams including base plates, connectors, etc. t 2.09</p> <p><b><u>BOLTS, ETC.</u></b></p> <p>3 M16 x 190mm Long holding down bolts including nuts and washers with one end welded to steel plate (elsewhere). No 32</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 7 Structural Steelwork</p>				
				R	

<p>Section No. 2 Bill No. 7 Structural Steelwork <b><u>COLLECTION</u></b></p>				
<p>Total Brought Forward from Page No.</p>	<p><b>Page No</b> 25</p>		<p><b>Amount</b></p>	
	26			
	27			
	28			
	29			
	30			
<p><b>Carried Forward to Summary of Section No. 2</b></p>			R	
<p>Section No. 2 Bill No. 7 Structural Steelwork</p>				

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 8</u></b></p> <p><b><u>METALWORK</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
	<p><b><u>PRESSED STEEL DOOR FRAMES</u></b></p> <p><b><u>1,6mm Thick double rebated frames suitable for half brick walls complete with hoop iron anchors welded to frame, one adjustable stainless steel striking plate suitable for cylinder locks, three rubber shock absorbers in rebate and one pair of 100mm standard heavy duty brass butt hinges welded to frame:</u></b></p>			
1	Frame for door size 900 x 2032mm high.	No	1	
	<p><b><u>HANDRAILS, BALUSTRADES, ETC.</u></b></p> <p><b><u>Install steel balustrades obtained from stockpiles on site:</u></b></p>			
2	900mm High steel balustrade to top of concrete stairs, slabs, etc.	m	241	
	<p><b>Carried Forward to Summary of Section No. 2</b></p> <p>Section No. 2 Bill No. 8 Metalwork</p>		R	



Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 9</u></b></p> <p><b><u>PLASTERING</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
	<p><b><u>SCREEDS</u></b></p>			
	<p><b><u>Screeds on concrete:</u></b></p>			
1	100mm Thick on ramps and landings.	m2	50	
	<p><b><u>INTERNAL PLASTER</u></b></p>			
	<p><b><u>One coat cement plaster minimum 12mm thick finished smooth with a steel float including all labours on:</u></b></p>			
2	Walls.	m2	10	
3	Narrow widths.	m2	8	
	<p><b><u>CRACK REPAIRS</u></b></p>			
	<p><b><u>Repairs to non-structural cracks in walls:</u></b></p>			
4	Cut a 6mm wide x 15mm deep saw cut above and below the crack and plaster with 5:1 cement mortar to form a v-joint.	m	49	
	<p><b>Carried Forward to Summary of Section No. 2</b></p>			R
	<p>Section No. 2 Bill No. 9 Plastering</p>			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO 10</u></b></p> <p><b><u>TILING</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
	<p><b><u>WALL TILING</u></b></p> <p><b><u>Allow a Prime Cost Amount of R150/m2 for ceramic tiles fixed with an approved ceramic adhesive to plaster (plaster elsewhere) and flush pointed with tile grout:</u></b></p>			
1	In splash backs.	m2	1	
	<p><b><u>FLOOR TILING</u></b></p> <p><b><u>Allow a Prime Cost Amount of R150/m2 for ceramic tiles fixed with an approved ceramic adhesive to plaster (plaster elsewhere) and flush pointed with tile grout:</u></b></p>			
2	On floors.	m2	13	
3	85mm High cut skirting tile on walls.	m	26	
	<p><b>Carried Forward to Summary of Section No. 2</b></p> <p>Section No. 2 Bill No. 10 Tiling</p>		R	

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 11</u></b></p> <p><b><u>PLUMBING AND DRAINAGE</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
	<p><b><u>SANITARY FITTINGS</u></b></p> <p><b><u>White vitreous china:</u></b></p> <p>1 "Vaal Protea Paraplegic (Ref. 750200)" close coupled suite comprising closed rim washdown pan with matching 6 litre top dual flush cistern and standard heavy duty white double flap seat, fixing in position and connecting complete in strict accordance with the manufacturer's instructions. No 1</p> <p>2 "Vaal Hibiscus (Ref. 8448Z0)" single taphole basin size overall 510 x 375mm complete with and including chromium plated waste union, chain and stay, vulcanite plugs, fixing in position including sealing with an approved waterproof sealer and connecting complete in strict accordance with the manufacturer's instructions. No 2</p> <p><b><u>TRAPS ETC</u></b></p> <p>3 40mm Chromium plated brass bottle trap. No 2</p> <p><b><u>TAPS, VALVES, ETC</u></b></p> <p>4 "Cobra (Ref. 508CD)" 15mm medical elbow action mixer including flexible connection hoses. No 1</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 2 Bill No. 11 Plumbing and Drainage</p>			R

5	<p>"Cobra Star (Ref. 206EXT-15)" 15mm chrome extended bib tap.</p> <p style="text-align: right;">No</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 2              Bill No. 11              Plumbing and Drainage</p>	2	R		
---	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---	---	--	--

Section No. 2  Bill No. 11  Plumbing and Drainage  <b><u>COLLECTION</u></b>				
Total Brought Forward from Page No.	<b>Page No</b> 35		<b>Amount</b>	
	36		-----	
			-----	
<p style="text-align: center;"><b>Carried Forward to Summary of Section No. 2</b></p>			R	
Section No. 2 Bill No. 11 Plumbing and Drainage				

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 12</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
	<p><b><u>PAINTWORK TO NEW WORK</u></b></p> <p><b><u>ON FLOATED PLASTER</u></b></p> <p><b><u>Prepare and apply one coat Plascon plaster primer and two coats Plascon Double Velvet paint on:</u></b></p>			
1	Internal plastered walls.	m2	18	
	<p><b><u>ON METAL</u></b></p> <p><b><u>Prepare and apply one coat Plascon metal primer and two coats Plascon Velvagio paint on:</u></b></p>			
2	Door frames.	m2	1	
	<p><b><u>Degrease with "Aquasolv GR1" prime general surfaces with "plascon UC501" metal primer and one coat "Plascon UC207" zinc phosphate primer red oxide paint on:</u></b></p>			
3	Structural steel members.	m2	113	
	<p><b><u>ON WOOD</u></b></p>			
	<b>Carried to Collection</b>			
	Section No. 2 Bill No. 12 Paintwork			

4	<p><b><u>Sand down, prepare and apply one coat Plascon wood primer and two coats Plascon Velvaglo paint on:</u></b></p> <p>Doors.</p>	m2	4	
<p><b><u>PAINTWORK TO PREVIOUSLY PAINTED WORK</u></b></p>				
<p><b><u>PLASTER</u></b></p>				
5	<p><b><u>Clean down, prepare and apply one coat Plascon plaster primer and two coats Plascon Double Velvet paint on:</u></b></p> <p>Internal plastered walls, columns, recessed bands, etc.</p>	m2	63	
<p><b><u>CONCRETE</u></b></p>				
6	<p><b><u>Degrease with "Plascon Aquasolv (GR1)", clean down, prepare and apply three coats "Plascon Plascothane Purecoat Floor Coating (PUC1)" floor sealer on:</u></b></p> <p>Concrete ramps.</p>	m2	74	
<p><b>Carried to Collection</b></p>				R
<p>Section No. 2 Bill No. 12 Paintwork</p>				

Section No. 2  Bill No. 12  Paintwork  <b><u>COLLECTION</u></b>				
Total Brought Forward from Page No.	<b>Page No</b> 38		<b>Amount</b>	
	39		----- -----	
<p style="text-align: center;"><b>Carried Forward to Summary of Section No. 2</b></p> Section No. 2 Bill No. 12 Paintwork			R	



Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 13</u></b></p> <p><b><u>PROVISIONAL SUMS</u></b></p> <p>The following sums and amounts are NETT.</p> <p>Under no circumstances may any Provisional Sum or P.C Item be altered.</p> <p>Unless a specific percentage mark up for attendance is indicated in the rate column, the amounts priced by the contractor for attendance against each Provisional Sum shall be deemed to be Lump Sum and shall not be adjusted unless the scope of the sub-contract varies significantly.</p> <p>Provisional Sums contained herein may be omitted or reduced at the employer's sole discretion and the contractor shall not be entitled to claim for any loss by way of reductions or omissions of any discount, or percentage relating to the Provisional Sums pr P.C Amounts or any loss of profit related thereto.</p>			
	<p><b><u>ALLOW THE FOLLOWING PROVISIONAL SUMS</u></b></p> <p><b><u>BALUSTRADING TO RAMPS</u></b></p>			
1	Provide the amount of R 120,000.00 for balustrading installed complete.	Item		120,000.00
2	Profit on above item.		%	
3	Attendance on above item.		%	
	<b>Carried to Collection</b>		R	
	Section No. 2 Bill No. 13 Provisional Sums			

<b><u>FIRE PROTECTION</u></b>					
4	Provide the amount of R 110,000.00 for fire protection installed complete.	Item		110,000.00	
5	Profit on above item.		%		
6	Attendance on above item.		%		
<b><u>PLUMBING AND DRAINAGE TO DISABLED ABLUTION</u></b>					
7	Provide the amount of R 15,000.00 for plumbing and drainage installed complete.	Item		15,000.00	
8	Profit on above item.		%		
9	Attendance on above item.		%		
<b><u>RELOCATION OF SERVICES</u></b>					
10	Provide the amount of R 30,000.00 for relocation of services executed complete.	Item		30,000.00	
11	Profit on above item.		%		
12	Attendance on above item.		%		
<b><u>FINANCIAL PROVISION</u></b>					
The items described hereunder cover work which is not fully defined at tender stage and which is intended to be executed by the Contractor and/or his Sub-Contractors. The amounts shown shall be used as directed by the Representative/ Agent and shall be deducted in whole or in part if not required.					
13	Allow the amount of R 100,000.00 for repair work to columns. This work shall be measured on completion and priced at scheduled rates.	Item		100,000.00	
14	Allow the amount of R 100,000.00 for excavations for fire protection. This work shall be measured on completion and priced at scheduled rates.	Item		100,000.00	
<b>Carried to Collection</b>				R	
Section No. 2					
Bill No. 13					
Provisional Sums					

<p>15</p>	<p>Allow the amount of R 50,000.00 for general builders work. This work shall be measured on completion and priced at scheduled rates.</p>	<p>Item</p>		<p>50,000.00</p>	
<p style="text-align: right;"><b>Carried to Collection</b></p>			<p>R</p>		
<p>Section No. 2                  Bill No. 13                  Provisional Sums</p>					

Section No. 2  Bill No. 13  Provisional Sums  <b><u>COLLECTION</u></b>				
Total Brought Forward from Page No.	<b>Page No</b> 41		<b>Amount</b>	
	42		-----	
	43		-----	
<p style="text-align: center;"><b>Carried Forward to Summary of Section No. 2</b></p>			R	
Section No. 2 Bill No. 13 Provisional Sums				

Bill No	<b>SECTION SUMMARY - General Builders Work</b>	Page No		Amount	
1	Alterations	8			
2	Foundations	14			
3	Concrete, Formwork and Reinforcement	19			
4	Masonry	20			
5	Carpentry & Joinery	21			
6	Ironmongery	24			
7	Structural Steelwork	31			
8	Metalwork	32			
9	Plastering	33			
10	Tiling	34			
11	Plumbing and Drainage	37			
12	Paintwork	40			
13	Provisional Sums	44			
	<b>Carried to Final Summary</b>				
	Section No. 2		R		

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>ALTERATIONS</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Site inspection</u></b></p> <p>The Tenderer is advised to visit the site, inspect the existing premises and acquaint himself thoroughly with the nature of the work specified.</p> <p><b><u>Sizes and dimensions</u></b></p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>No allowance for overbreak has been made to any of the adjoining structures, walls, finishes, etc., where removals or pockets occur (the nett opening size, etc., has been made good in later items of this bill where such making good has not been included with the item) and the Contractor must allow in his prices for making good any overbreak that may occur.</p> <p><b><u>Materials</u></b></p> <p>Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 3 Bill No. 1 Alterations</p>			
			R	

<p>Old materials from the 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.</p>	<p>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>Where certain materials or articles from demolitions or alterations are described as to be handed over by the Contractor to the Client, 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 to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Client for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p>	<p><b><u>General</u></b></p>	<p>All new finishes are measured in the relevant trades for new work.</p>	<p>Allow for watering the works sufficiently to prevent nuisance from dust.</p>	<p>All alteration works described hereunder shall imply the use of an approved screed or plaster repairing compound and preparing existing surfaces to receive new.</p>	<p>Provide all necessary propping, etc., required to ensure the safety and stability of the structure during the contract period and remove at completion.</p>	<p><b>Carried to Collection</b></p>	<p>Section No. 3              Bill No. 1              Alterations</p>	<p>R</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------	---------------------------------------------------------------------------	---------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------	-------------------------------------------------------------------------------	----------

	<p>Provide all necessary additional barricades, screens, overhead protections, etc., required to ensure the safety of persons, property, etc., and remove at completion.</p> <p>All alteration work is within an existing facility. The contractor shall take utmost care to minimise damage to existing completed works in the vicinity of the alteration works.</p>				
<p>1</p>	<p><b><u>REMOVAL OF EXISTING WORK</u></b></p> <p><b><u>Take out/off and remove sundry metalwork:</u></b></p> <p>Canopy structure complete size overall 27m x 5m x 3m high including posts, beams, sheeting, etc.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 3              Bill No. 1              Alterations</p>	<p>Item</p>	<p>R</p>		



Section No. 3 Bill No. 1 Alterations <b><u>COLLECTION</u></b>				
Total Brought Forward from Page No.	<b>Page No</b> 46		<b>Amount</b>	
	47		-----	
	48		-----	
<p align="center"><b>Carried Forward to Summary of Section No. 3</b></p>			R	
Section No. 3 Bill No. 1 Alterations				

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3</u></b></p> <p><b><u>BILL NO. 2</u></b></p> <p><b><u>FOUNDATIONS</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Carting away of excavated material</u></b></p> <p>Descriptions of carting away of excavated material shall be deemed to include for bulking and loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><b><u>Subterranean water</u></b></p> <p>No information regarding subterranean water is available. The tenderer must acquaint himself of the presence and depth of subterranean water and allow thereof in his prices</p>			
	<p><b><u>EXCAVATION, FILLING, ETC</u></b></p> <p><b><u>Excavation in earth not exceeding 2m deep in:</u></b></p> <p>1 Holes. m3 7</p> <p>2 Trenches to expose existing concrete footing for underpinning including temporary propping, etc. m3 4</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 3 Bill No. 2 Foundations</p>			<p style="text-align: right;">R</p>

	<b><u>Extra over excavations in earth for excavation in:</u></b>					
3	Soft rock.	m3	1			
4	Hard rock.	m3	1			
	<b><u>CARTING AWAY</u></b>					
	<b><u>Extra over all excavations for loading, carting and dumping surplus excavated material (no allowance made for increase in bulk):</u></b>					
5	Off site to a dumping site to be located by the Contractor.	m3	1			
	<b><u>RISK OF COLLAPSE</u></b>					
	<b><u>Risk of collapse to:</u></b>					
6	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	30			
	<b><u>KEEP EXCAVATIONS FREE OF WATER</u></b>					
7	Keeping excavations free of water other than subterranean water.			Item		
	<b><u>EARTH FILLING, ETC.</u></b>					
	<b><u>Selected earth filling obtained from the excavations and/or prescribed stock piles on site in layers of 150mm thick compacted to 93% Mod AASHTO density:</u></b>					
8	Backfilling to trenches, holes, etc.	m3	5			
	<b><u>DENSITY TESTS</u></b>					
	<b><u>Prescribed density tests on filling:</u></b>					
9	Modified AASHTO density tests.	No	1			
	<b><u>SOIL POISONING</u></b>					
	<b>Carried to Collection</b>					
	Section No. 3 Bill No. 2 Foundations					R

	<b><u>Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:</u></b>				
10	To bottoms and sides of trenches, etc.	m2	35		
	<b><u>CONCRETE</u></b>				
	<b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<b><u>15MPa/19mm concrete in:</u></b>				
11	Surface blinding under footings and bases.	m3	1		
	<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<b><u>25MPa/19mm Concrete in:</u></b>				
12	Bases.	m3	1		
13	Stub columns.	m3	1		
14	Strip footings to underpin existing footings.	m3	2		
	<b><u>GROUTING, ETC.</u></b>				
	<b><u>Class E non-shrink grout:</u></b>				
15	Bedding approximately 30mm thick under 250mm x 250mm base plate including chamfered edges all round.	No	5		
16	Bedding approximately 30mm thick under 300mm x 130mm base plate including chamfered edges all round.	No	12		
	<b>Carried to Collection</b>			R	
	Section No. 3 Bill No. 2 Foundations				

<b><u>Casting in of holding down bolts:</u></b>					
17	Provide template for and embed set of four 16mm diameter x 300mm long steel holding down bolts (bolts elsewhere measured) into top of concrete slab in exact position.	No	5		
18	Provide template for and embed set of four 20mm diameter x 220mm long steel holding down bolts (bolts elsewhere measured) into top of concrete slab in exact position.	No	12		
<b><u>FORMWORK</u></b>					
<b><u>ROUGH FORMWORK</u></b>					
<b><u>Rough formwork to sides of:</u></b>					
19	Stub columns.	m2	7		
20	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	8		
<b><u>REINFORCEMENT</u></b>					
<b><u>High tensile steel rod reinforcement to structural concrete work:</u></b>					
21	12mm Diameter bars.	t	0.19		
<b>Carried to Collection</b>					
Section No. 3 Bill No. 2 Foundations					R

Section No. 3 Bill No. 2 Foundations				
<b><u>COLLECTION</u></b>				
Total Brought Forward from Page No.	<b>Page No</b> 50		<b>Amount</b>	
	51		-----	
	52		-----	
	53		-----	
<p style="text-align: center;"><b>Carried Forward to Summary of Section No. 3</b></p>			R	
Section No. 3 Bill No. 2 Foundations				

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3</u></b></p> <p><b><u>BILL NO. 3</u></b></p> <p><b><u>STRUCTURAL STEELWORK</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Shop drawings</u></b></p> <p>The contractor will be required to prepare shop details for the work which must be submitted to the Engineer for approval before fabrication is started. Approval of shop details by the Engineer will include the following:</p> <p>a) Examination of member sizes for consistency with design requirements.</p> <p>b) Examination of all connections designed and/or detailed by the fabricator, for adequacy of load transferance.</p> <p>c) Approval of leading dimensions which are taken to include such dimensions as may influence the design (eg, depth of trusses and girders) or which may grossly affect site programme (eg, truss spans andstanchion heights).</p> <p>Notwithstanding any approval of these details, the contractor shall remain responsible for ensuring that the dimensions, details and workmanship result in the correct assembly of the work.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 3 Bill No. 3 Structural Steelwork</p>			<p style="text-align: right;">R</p>

<p><b><u>Material and workmanship</u></b></p>	<p>The steelwork is to be fabricated from mild steel to SABS 1431 Grade 300W. The whole of the fabrication and workmanship generally is to be in strict accordance with SABS 0162-1984 as amended. The material shall be of best quality throughout, free from loose rust or millscale, true to thickness and profile throughout and of the section and mass specified subject to a 2% tolerance for rolling margin. Consideration will be given to any detail variation which the contractor may wish to make with the view to the simplification of either fabrication, delivery or erection. Substitutions must be made at the contractor's own expense.</p>				
	<p>The contractor shall provide Works Test Certificates where so required by the Architect.</p>				
	<p><b><u>Testing</u></b></p>				
	<p>The Engineer shall be at liberty to select test pieces from steelwork in the workshop or on the site and to have them tested. The expense of such tests are to be borne by the contractor if the steelwork does not comply with the standards laid down above. A provisional sum is allowed in the bill of quantities for non-destructive testing.</p>				
	<p><b><u>Hold down bolts</u></b></p>				
	<p>Holding down bolts and other fixing devices which are to be embedded in concrete must be supplied to the principal contractor on request together with the necessary information, identification and templates.</p>				
	<p>2 mm Mild steel plate templates provided on a scale of one template for every five groups of bolts, suitably marked to ensure easy identification are to be supplied to the principal contractor.</p>				
	<p><b>Carried to Collection</b></p>			R	
<p>Section No. 3 Bill No. 3 Structural Steelwork</p>					



<p>Any costs incurred by subsequent repositioning of bolts, etc resulting from the contractor having failed to furnish adequate information, identification and templates will be for the contractor's account.</p>				
<p><b><u>Welding</u></b></p>				
<p>Welding shall be in accordance with SABS 044 "Welding: Parts I, II and III".</p>				
<p>Welding shall be carried out in a manner which will prevent any distortion of the weld or the parent section.</p>				
<p>All welds shall have adequate root fusion and shall be free from cracks, porosity or other irregularities and any undercutting shall be made good by the deposition of additional runs of weld metal.</p>				
<p>Any completed welds showing cracks, cavities or other effects shall be cut out and made good at the contractor's own expense.</p>				
<p>Mild steel electrodes shall comply with SABS 455 "Covered Electrodes for Manual Arc Welding of Mild Steel and Medium High Tensile Steel".</p>				
<p><b><u>Bolts</u></b></p>				
<p>Bolts shall have well-formed heads forged from the solid. Nuts shall closely fit the bolts so that they can only just be turned by hand and at least one clear thread shall project beyond the nut when fully tightened. All bolts shall have one washer under the nuts and shall be so tightened that the threaded portion does not bear on the members connected.</p>				
<p>Where bolt heads or nuts bear upon bevelled surfaces they shall be provided with tapered washers of 2,3 mm mean thickness to provide a seating square with the axis of the bolt.</p>				
<p><b>Carried to Collection</b></p>			R	
<p>Section No. 3 Bill No. 3 Structural Steelwork</p>				

	<p><b><u>Friction grip bolts</u></b></p> <p>Connections specifying high strength friction grip bolts are to be in strict accordance with SABS 094 "Bolted Friction Grip Joints in Structural Steelwork" and the bolts used are to be in accordance with BS 3139 Part 1 : 1959 "General Grade Bolts, High Strength Friction Grip Bolts for Structural Engineering".</p> <p>Notwithstanding the above, the following must be rigidly adhered to :</p> <p>a) Two-case hardened washers, one flat or bevelled under the head and the other flat or bevelled under the nut shall be used with each bolt.</p> <p>b) Contact surfaces shall not be painted and shall be thoroughly cleaned free of dirt, oil, loose scale, burrs and other defects which are liable to reduce friction resistnace between surfaces.</p> <p>c) At all times the correct torques shall be applied to the different sizes of bolts.</p> <p><b><u>Erection</u></b></p> <p>The steelwork generally is to be fabricated in the contractor's works having due regard to transport and erection facilities. He must supply all erection tackle, temporary erection bracing, erect and plumb all steelwork and supply all steel wedges and tacks as required.</p> <p>Items may be detailed for delivery "piece small" or the contractor may prefabricate if he is satisfied that suitable arrangements for transport can be made.</p> <p>Connections are to be designed for the forces indicated on the drawings or to the maximum capacity of the members.</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 3 Bill No. 3 Structural Steelwork</p>				
				R	

	<p><b><u>Cleaning and painting</u></b></p> <p>All structural steel is to be thoroughly degreased to remove all grease or oil and then wire-brushed, scraped or sand-papered to remove all rust, mill-scale or surface contaminations and is to be immediately given one coat zinc chromate, allowed to dry overnight and given one coat of universal undercoat prior to delivery to site. All damaged paintwork is to be made good on site after erection is complete.</p> <p><b><u>Testing of welders</u></b></p> <p>Tenderers must include in their rates for the testing of any welder used on the work who has not been tested within a period of six months immediately preceding his employment on this contract.</p> <p><b><u>Further notes</u></b></p> <p>Also refer to the structural steelwork notes indicated on the Engineer's relevant structural drawings.</p> <p><b><u>Painting/corrosion protection specification</u></b></p> <p>a) All steelwork shall be mechanically wire-brushed to ST30 blast clean to SA2.</p> <p>b) All steelwork shall receive one coat primer to DFT-100 micron.</p>			
1	<p><b><u>FOLLOWING IN VIDEO TOWER</u></b></p> <p><b><u>STEEL COLUMNS, BEAMS, POSTS, ETC.</u></b></p> <p><b><u>Welded columns in single lengths with flat section base, top, bearer and connection plates bolted to concrete slab:</u></b></p> <p>152 x 152 x 23kg/m H-section columns including base plates, connectors, etc.</p> <p style="text-align: right;"><b>Carried to Collection</b></p> <p>Section No. 3 Bill No. 3 Structural Steelwork</p>	t	0.61	R

<b><u>Welded beams in single lengths with flat section gusset, bearer and connection plates:</u></b>					
2	254 x 146 x 31kg/m I-section beams including gusset plates, connectors, etc.	t	1.25		
3	203 x 133 x 25kg/m I-section beams including gusset plates, connectors, etc.	t	0.35		
4	IPE 120 beams including gusset plates, connectors, etc.	t	0.24		
5	IPE 160 rafter beams including gusset plates, connectors, etc.	t	0.12		
<b><u>PURLINS, GIRTS, BRACING, ETC.</u></b>					
<b><u>Purlins and girts bolted to steel, all treated as per paint specification referred to above in Supplementary Preambles</u></b>					
6	125 x 75 x 20 x 3mm Thick lipped channel section purlin, cleats, etc.	t	0.24		
7	50 x 50 x 3mm Thick angle section sag rods.	t	0.07		
<b><u>GALVANISED STEEL FLOORS, STAIRS, ETC.</u></b>					
<b><u>Welded beams in single lengths with flat section gusset, bearer and connection plates, all treated as per paint specification referred to above in Supplementary Preambles:</u></b>					
8	178 x 54mm x 14.5kg/m Channel stringer including gusset plates, connectors, etc.	t	0.17		
<b><u>Flooring, framing, etc., all treated as per paint specification referred to above in Supplementary Preambles:</u></b>					
9	6mm "Vastrap" chequer plate (49,55kg/m <sup>2</sup> ) covers including notchings, etc. fixed to steel structure (elsewhere).	m <sup>2</sup>	34		
<b>Carried to Collection</b>				R	
Section No. 3 Bill No. 3 Structural Steelwork					

10	6mm "Vastrap" plate treads 960mm long x 250mm wide with 50mm turn-down nosing	No	17		
	<b><u>BOLTS, ETC.</u></b>				
11	M16 x 190mm Long holding down bolts including nuts and washers with one end welded to steel plate (elsewhere).	No	20		
	<b><u>FOLLOWING IN TICKET OFFICE ROOF CANOPY</u></b>				
	<b><u>TRUSSES, GIRDERS, ETC.</u></b>				
	<b><u>Trusses:</u></b>				
12	Steel mono pitched truss size overall 6m x 0.80m high extreme comprising of 90 x 90 x 8mm angle section top chord, 90 x 90 x 8mm angle section bottom chords, 45 x 45 x 3mm angle section vertical chord, 60 x 60 x 4mm angle section diagonal chords, 70 x 70 x 6mm angle section chords, 50 x 50 x 3mm angle section knee bracing, gusset plates, connectors, bolts, etc., hoisted and fixed in position approximately 4m above ground level (6No.).	t	1.00		
	<b><u>PURLINS, GIRTS, BRACING, ETC.</u></b>				
	<b><u>Purlins and girts bolted to steel, all treated as per paint specification referred to above in Supplementary Preambles</u></b>				
13	125 x 65 x 20 x 2.5mm Thick cold formed lipped channel section purlin, cleats, etc.	t	0.85		
14	80 x 80 x 6mm Thick angle section bracing bolted to underside of steel trusses.	t	0.14		
15	50 x 50 x 3mm Thick angle section knree bracing bolted to underside of steel trusses.	t	0.09		
16	50 x 50 x 3mm Thick angle section rafter, cleats, etc.	t	0.07		
17	50 x 50 x 3mm Thick angle section sag rods.	t	0.22		
	<b>Carried to Collection</b>			R	
	Section No. 3 Bill No. 3 Structural Steelwork				

	<b><u>BOLTS, ETC.</u></b>				
18	M20 x 220mm Long holding down bolts including nuts and washers with one end welded to steel plate (elsewhere).	No	48		
	<b><u>GALVANISED MILD STEEL RAINWATER DISPOSAL</u></b>				
	<b><u>2mm Thick hot dipped galvanised sheet iron eaves gutters, downpipes and accessories:</u></b>				
19	2mm Thick plate rectangular section box gutter 625mm girth (nominal size 375mm wide x 125mm high) fixed to falls on brackets.	m	28		
20	Extra over box gutter for stop end.	No	2		
21	Extra for conical shaped outlet to box gutter formed of 2.5mm thick mild steel plate tapered from 300mm to 210mm diameter over 300mm length with and including 210mm diameter x 150mm long outlet pipe welded to bottom of outlet to suite downpipe (elsewhere).	No	4		
22	110mm Diameter x 4,5mm thick mild steel rainwater downpipe fixed to steel column (elsewhere) with and including mild steel brackets at 450mm centres.	m	16		
23	Extra on rainwater downpipe for shoe.	No	4		
	<b>Carried to Collection</b>				
	Section No. 3 Bill No. 3 Structural Steelwork			R	

Section No. 3			
Bill No. 3			
Structural Steelwork			
<b><u>COLLECTION</u></b>			
Total Brought Forward from Page No.	<b>Page No</b>		<b>Amount</b>
	55		
	56		
	57		
	58		
	59		
	60		
	61		
	62		
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3 Bill No. 3 Structural Steelwork			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 3</u></b></p> <p><b><u>BILL NO. 4</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
	<p><b><u>PAINTWORK TO NEW WORK</u></b></p>			
	<p><b><u>METAL</u></b></p>			
	<p><b><u>Prepare and apply one coat "Plascon Zinc Phosphate" primer and two coats "Plascon Velvagio (TVW tint range)" paint on:</u></b></p>			
1	"Vastrap" plates.	m2	76	
	<p><b><u>Degrease with "Aquasolv GR1" prime general surfaces with "plascon UC501" metal primer and one coat "Plascon UC207" zinc phosphate primer red oxide paint on:</u></b></p>			
2	Structural steel members.	m2	272	
	<p><b><u>Prepare and apply one coat "Plascon Professional" zinc phosphate primer and two coats "Plascon Velvagio (TVW tint range)" paint on:</u></b></p>			
3	Gutters and rainwater downpipes.	m2	41	
	<p><b>Carried Forward to Summary of Section No. 3</b></p>			R
	<p>Section No. 3 Bill No. 4 Paintwork</p>			



Item No		Quantity	Rate	Amount	
	<p><b><u>SECTION NO. 3</u></b></p> <p><b><u>BILL NO. 5</u></b></p> <p><b><u>PROVISIONAL SUMS</u></b></p> <p>The following sums and amounts are NETT.</p> <p>Under no circumstances may any Provisional Sum or P.C Item be altered.</p> <p>Unless a specific percentage mark up for attendance is indicated in the rate column, the amounts priced by the contractor for attendance against each Provisional Sum shall be deemed to be Lump Sum and shall not be adjusted unless the scope of the sub-contract varies significantly.</p> <p>Provisional Sums contained herein may be omitted or reduced at the employer's sole discretion and the contractor shall not be entitled to claim for any loss by way of reductions or omissions of any discount, or percentage relating to the Provisional Sums pr P.C Amounts or any loss of profit related thereto.</p>				
	<p><b><u>ALLOW THE FOLLOWING PROVISIONAL SUMS</u></b></p> <p><b><u>BALUSTRADING TO VIDEO TOWER</u></b></p>				
1	Provide the amount of R 70,000.00 for balustrading installed complete.	Item		70,000.00	
2	Profit on above item.		%		
3	Attendance on above item.		%		
	<b>Carried to Collection</b>				
	Section No. 3 Bill No. 5 Provisional Sums		R		

<b><u>ROOF SHEETING TO VIDEO TOWER AND CANOPY</u></b>					
4	Provide the amount of R 55,000.00 for roof sheeting installed complete.	Item		55,000.00	
5	Profit on above item.		%		
6	Attendance on above item.		%		
<b><u>PLANTERS AND SEATING</u></b>					
7	Provide the amount of R 50,000.00 for planters and seating installed complete.	Item		50,000.00	
8	Profit on above item.		%		
9	Attendance on above item.		%		
<b>Carried to Collection</b>				R	
Section No. 3					
Bill No. 5					
Provisional Sums					

Section No. 3 Bill No. 5 Provisional Sums <b><u>COLLECTION</u></b>				
Total Brought Forward from Page No.	<b>Page No</b> 65		<b>Amount</b>	
	66		-----	
			-----	
<p align="center"><b>Carried Forward to Summary of Section No. 3</b></p>			R	
Section No. 3 Bill No. 5 Provisional Sums				

<b>Bill No</b>	<b>SECTION SUMMARY - Video Tower &amp; Ticket Office Roof Canopy</b>	<b>Page No</b>		<b>Amount</b>	
1	Alterations	49			
2	Foundations	54			
3	Structural Steelwork	63			
4	Paintwork	64			
5	Provisional Sums	67			
	<b>Carried to Final Summary</b>		R		
	Section No. 3				

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 4</u></b></p> <p><b><u>BILL NO. 1</u></b></p> <p><b><u>FOUNDATIONS</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Carting away of excavated material</u></b></p> <p>Descriptions of carting away of excavated material shall be deemed to include for bulking and loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</p> <p><b><u>Subterranean water</u></b></p> <p>No information regarding subterranean water is available. The tenderer must acquaint himself of the presence and depth of subterranean water and allow thereof in his prices</p>			
	<p><b><u>EXCAVATION, FILLING, ETC</u></b></p> <p><b><u>Excavation in earth not exceeding 2m deep in:</u></b></p> <p>1 Trenches. m3 10</p> <p><b><u>Extra over excavations in earth for excavation in:</u></b></p> <p>2 Soft rock. m3 1</p> <p>3 Hard rock. m3 1</p> <p style="text-align: center;"><b>Carried to Collection</b></p> <p>Section No. 4 Bill No. 1 Foundations</p>			



	<b><u>Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:</u></b>				
9	Under floors, etc. including forming and poisoning shallow furrows against foundation walls, etc. filling in furrows and ramming.	m2	11		
10	To bottoms and sides of trenches, etc.	m2	34		
	<b><u>CONCRETE</u></b>				
	<b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<b><u>15MPa/19mm concrete in:</u></b>				
11	Surface blinding under footings and bases.	m3	1		
	<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>				
	<b><u>25MPa/19mm Concrete in:</u></b>				
12	Strip footings.	m3	2		
	<b><u>REINFORCED CONCRETE</u></b>				
	<b><u>25MPa/19mm Concrete in:</u></b>				
13	Surface beds on waterproofing.	m3	2		
	<b><u>CONCRETE SUNDRIES</u></b>				
	<b><u>Finishing top surfaces of concrete to an even surface with a wood float:</u></b>				
14	Surface beds, slabs, etc.	m2	11		
	<b><u>FORMWORK</u></b>				
	<b><u>ROUGH FORMWORK</u></b>				
	<b>Carried to Collection</b>			R	
	Section No. 4 Bill No. 1 Foundations				

15	<p><b><u>Rough formwork to sides of:</u></b></p> <p>Edges, risers, ends and reveals not exceeding 300 mm high or wide</p>	m	23		
16	<p><b><u>MOVEMENT JOINTS, ETC</u></b></p> <p><b><u>10mm Isolation joints formed of bitumen impregnated soft board:</u></b></p> <p>Between vertical concrete and brick surfaces not exceeding 300 mm high or wide</p>	m	11		
17	<p><b><u>REINFORCEMENT</u></b></p> <p><b><u>High tensile steel rod reinforcement to structural concrete work:</u></b></p> <p>12mm Diameter bars.</p>	t	0.16		
18	<p><b><u>Fabric reinforcement with minimum 400mm wide overlaps</u></b></p> <p>Type Ref 193 reinforcement in concrete surface beds, slabs, etc</p>	m2	11		
19	<p><b><u>MASONRY</u></b></p> <p><b><u>Loadbearing brickwork of NFX bricks (14 Mpa nominal compressive strength) in Class I cement mortar:</u></b></p> <p>One brick walls.</p>	m2	5		
20	<p><b><u>FACE BRICKWORK</u></b></p> <p><b><u>Facings in approved face bricks (FBS) of colour and texture to match existing with a PC Amount of R6,000.00 per thousand bricks delivered to site (excluding vat) pointed with recessed horizontal and vertical joints:</u></b></p> <p>Extra over brickwork for face brickwork in foundations.</p>	m2	3		
<b>Carried to Collection</b>				R	
<p>Section No. 4 Bill No. 1 Foundations</p>					



	<p><b><u>BRICKWORK SUNDRIES</u></b></p> <p><b><u>Brick reinforcement</u></b></p> <p>21 150mm Wide reinforcement built in horizontally m 20</p> <p><b><u>WATERPROOFING</u></b></p> <p><b><u>One layer of 250 micron green polyethylene damp-proof membrane sealed at joints</u></b></p> <p>22 Under surface beds m2 11</p>				
	<p><b>Carried to Collection</b></p>		<p>R</p>		
<p>Section No. 4                  Bill No. 1                  Foundations</p>					

Section No. 4			
Bill No. 1			
Foundations			
<b><u>COLLECTION</u></b>			
Total Brought Forward from Page No.	<b>Page No</b>		<b>Amount</b>
	69		
	70		
	71		
	72		
	73		
<b>Carried Forward to Summary of Section No. 4</b>			R
Section No. 4 Bill No. 1 Foundations			

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 4</u></b></p> <p><b><u>BILL NO. 2</u></b></p> <p><b><u>MASONRY</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition).</u></b></p>			
	<p><b><u>SUPERSTRUCTURE</u></b></p> <p><b><u>Brickwork in burnt clay NFP bricks in 3:1 cement mortar:</u></b></p>			
1	One brick walls.	m2	20	
	<p><b><u>BRICKWORK SUNDRIES</u></b></p> <p><b><u>Brick reinforcement</u></b></p>			
2	150mm Wide reinforcement built in horizontally	m	78	
	<p><b><u>FACE BRICKWORK</u></b></p> <p><b><u>Facings in approved face bricks (FBS) of colour and texture to match existing with a PC Amount of R6,000.00 per thousand bricks delivered to site (excluding vat) pointed with recessed horizontal and vertical joints:</u></b></p>			
3	Extra over brickwork for face brickwork.	m2	40	
	<p><b><u>FACE BRICKWORK COPINGS, SILLS, ETC.</u></b></p>			
4	280mm Wide brick-on-end lintel pointed on all exposed faces.	m	5	
	<b>Carried to Collection</b>			R
	Section No. 4 Bill No. 2 Masonry			

5	<p><b><u>ALTERATIONS</u></b></p> <p><b><u>Carefully take out and remove concrete pavers and set aside for re-use:</u></b></p> <p>60mm Thick concrete pavers. m2</p> <p style="text-align: right;"><b>20</b></p> <p style="text-align: right;"><b>Rate Only</b></p> <p style="text-align: center;"><b>Carried to Collection</b></p>				
	<p>Section No. 4                  Bill No. 2                  Masonry</p>		R		

<p>Section No. 4                  Bill No. 2                  Masonry</p> <p><b><u>COLLECTION</u></b></p> <p>Total Brought Forward from Page No.</p> <p><b>Carried Forward to Summary of Section No. 4</b></p> <p>Section No. 4                  Bill No. 2                  Masonry</p>		<p><b>Page No</b></p> <p>75</p> <p>76</p>		<p><b>Amount</b></p> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/>	
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	-------------------------------------------	--	--------------------------------------------------------------------------------------------------------------	--

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 4</u></b></p> <p><b><u>BILL NO. 3</u></b></p> <p><b><u>CARPENTRY &amp; JOINERY</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition).</u></b></p>			
1	<p><b><u>DOORS, ETC.</u></b></p> <p><b><u>Wrought selected meranti doors:</u></b></p> <p><b><u>40mm Thick Framed, ledged and braced batten door formed of 114 x 50mm top, bottom, middle rails and 114 x 50mm stiles, filled in flush one side with 76 x 22mm tongued, grooved and V-jointed vertical struts and 5mm thick matching hardwood veneered panel on other side fixed in and including grooves in rails with 19mm half round beading pinned on and including 38 x 75mm splayed and throated weatherboard secured to bottom edge hung on steel frames (elsewhere):</u></b></p> <p>Door size overall 813 x 2032mm high.</p>	No	2	
	<p><b>Carried Forward to Summary of Section No. 4</b></p> <p>Section No. 4 Bill No. 3 Carpentry &amp; Joinery</p>		R	

Item No		Quantity	Rate	Amount
<b><u>SECTION NO. 4</u></b>				
<b><u>BILL NO. 4</u></b>				
<b><u>IRONMONGERY</u></b>				
<b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition).</u></b>				
<b><u>FIX ONLY THE FOLLOWING</u></b>				
<b><u>LOCKS</u></b>				
1	"Ironware IW1926" indicator bolt set.	No	2	
<b><u>HANDLES</u></b>				
2	"Ironware Calini IW1011" stainless steel lever handle on rose.	No	4	
<b><u>BATHROOM FITTINGS</u></b>				
3	"Costa Lambrianos TR3 (Ref. 105)" powder coated steel three roll lockable type toilet roll dispenser plugged to wall.	No	2	
4	"Costa Lambrianos Regal Ecolux (Ref. 250)" powder coated steel foam dispenser plugged to wall.	No	2	
5	"Costa Lambrianos Minuet (Ref. 100)" powder coated steel sanitary bin plugged to wall.	No	2	
<b><u>SUNDRIES</u></b>				
6	"Ironware IW5002SC" door stop with rubber buffer.	No	2	
7	"Ironware IW5005H" hat and coat hook with rubber buffer.	No	2	
<b>Carried Forward to Summary of Section No. 4</b>				R
Section No. 4 Bill No. 4 Ironmongery				

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 4</u></b></p> <p><b><u>BILL NO. 5</u></b></p> <p><b><u>METALWORK</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
	<p><b><u>PRESSED STEEL DOOR FRAMES</u></b></p> <p><b><u>1,6mm Thick double rebated frames suitable for one brick walls complete with hoop iron anchors welded to frame, one adjustable stainless steel striking plate suitable for cylinder locks, three rubber shock absorbers in rebate and one and a half pair of 100mm standard heavy duty butt hinges welded to frame:</u></b></p> <p>1 Frame for door size overall 813 x 2032mm high. No 2</p> <p><b><u>VENTILATION GRILLES, ETC.</u></b></p> <p>2 Pre-painted removable ventilation grille and frame comprising of standard 1,6mm thick blades with and including frame size overall 600mm x 600mm high built into one brick wall (wall elsewhere). No 2</p> <p style="text-align: right;"><b>Carried Forward to Summary of Section No. 4</b></p> <p>Section No. 4 Bill No. 5 Metalwork</p>		R	



Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 4</u></b></p> <p><b><u>BILL NO. 6</u></b></p> <p><b><u>PLASTERING</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
1	<p><b><u>SCREEDS</u></b></p> <p><b><u>Screeds on concrete:</u></b></p> <p>30mm Thick on floors. m2</p>	11		
	<p><b>Carried Forward to Summary of Section No. 4</b></p> <p>Section No. 4 Bill No. 6 Plastering</p>		R	

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 4</u></b></p> <p><b><u>BILL NO 7</u></b></p> <p><b><u>TILING</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
	<p><b><u>WALL TILING</u></b></p> <p><b><u>Allow a Prime Cost Amount of R150/m2 for ceramic tiles fixed with an approved ceramic adhesive to plaster (plaster elsewhere) and flush pointed with tile grout:</u></b></p>			
1	In splash backs.	m2	1	
	<p><b><u>FLOOR TILING</u></b></p> <p><b><u>Allow a Prime Cost Amount of R150/m2 for ceramic tiles fixed with an approved ceramic adhesive to plaster (plaster elsewhere) and flush pointed with tile grout:</u></b></p>			
2	On floors.	m2	11	
3	85mm High cut skirting tile on walls	m	11	
	<p><b>Carried Forward to Summary of Section No. 4</b></p> <p>Section No. 4 Bill No. 7 Tiling</p>		R	

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 2</u></b></p> <p><b><u>BILL NO. 9</u></b></p> <p><b><u>PLUMBING AND DRAINAGE</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
	<p><b><u>SANITARY FITTINGS</u></b></p> <p><b><u>White vitreous china:</u></b></p> <p>1 "Vaal Hibiscus Elite (Ref. 772402)" close coupled suite comprising closed rim washdown pan with matching 6 litre top dual flush cistern and standard heavy duty white double flap seat, fixing in position and connecting complete in strict accordance with the manufacturer's instructions. No 2</p> <p><b><u>Approved stainless steel type 304 (18/10):</u></b></p> <p>2 "Franke HRT", 1800 x 510 x 275mm wash trough complete with overflow, 40mm chromium plated waste union, chain and stay, vulcanite plugs and under sink insulation, fixing in position and sealing with an approved waterproof sealer and connecting complete as per manufacturer's instructions (mixer elsewhere). No 2</p> <p><b><u>TRAPS ETC</u></b></p> <p>3 110mm Rubber P or S trap. No 2</p> <p><b><u>TAPS, VALVES, ETC</u></b></p> <p>4 "Cobra Star (Ref. 206EXT-15)" 15mm chrome extended bib tap. No 4</p>			
	<p><b>Carried Forward to Summary of Section No. 4</b></p> <p>Section No. 4 Bill No. 8 Plumbing and Drainage</p>		R	

Item No		Quantity	Rate	Amount
	<p><b><u>SECTION NO. 4</u></b></p> <p><b><u>BILL NO. 9</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b><u>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition)</u></b></p>			
	<p><b><u>PAINTWORK TO NEW WORK</u></b></p> <p><b><u>ON METAL</u></b></p> <p><b><u>Prepare and apply one coat Plascon metal primer and two coats Plascon Velvagio paint:</u></b></p> <p>1 On door frames. m2 1</p> <p><b><u>ON WOOD</u></b></p> <p><b><u>Sand down, prepare and apply one coat Plascon wood primer and two coats Plascon Velvagio paint:</u></b></p> <p>2 On doors. m2 8</p> <p style="text-align: center;"><b>Carried Forward to Summary of Section No. 4</b></p> <p>Section No. 4 Bill No. 9 Paintwork</p>		R	

Item No		Quantity	Rate	Amount	
	<p><b><u>SECTION NO. 4</u></b></p> <p><b><u>BILL NO. 10</u></b></p> <p><b><u>PROVISIONAL SUMS</u></b></p> <p>The following sums and amounts are NETT.</p> <p>Under no circumstances may any Provisional Sum or P.C Item be altered.</p> <p>Unless a specific percentage mark up for attendance is indicated in the rate column, the amounts priced by the contractor for attendance against each Provisional Sum shall be deemed to be Lump Sum and shall not be adjusted unless the scope of the sub-contract varies significantly.</p> <p>Provisional Sums contained herein may be omitted or reduced at the employer's sole discretion and the contractor shall not be entitled to claim for any loss by way of reductions or omissions of any discount, or percentage relating to the Provisional Sums pr P.C Amounts or any loss of profit related thereto.</p>				
	<p><b><u>ALLOW THE FOLLOWING PROVISIONAL SUMS</u></b></p> <p><b><u>ELECTRICAL INSTALLATION</u></b></p> <p>1 Provide the amount of R 10,000.00 for electrical installation executed complete.</p> <p>2 Profit on above item.</p> <p>3 Attendance on above item.</p>	Item		10,000.00	
			%		
			%		
	<b>Carried to Collection</b>		R		
	Section No. 4 Bill No. 10 Provisional Sums				

<b><u>ROOF STRUCTURE</u></b>					
4	Provide the amount of R 20,000.00 for roof structure installed complete.	Item		20,000.00	
5	Profit on above item.		%		
6	Attendance on above item.		%		
<b><u>PLUMBING AND DRAINAGE</u></b>					
7	Provide the amount of R 25,000.00 for plumbing and drainage installed complete.	Item		25,000.00	
8	Profit on above item.		%		
9	Attendance on above item.		%		
<b><u>FINANCIAL PROVISION</u></b>					
The items described hereunder cover work which is not fully defined at tender stage and which is intended to be executed by the Contractor and/or his Sub-Contractors. The amounts shown shall be used as directed by the Representative/ Agent and shall be deducted in whole or in part if not required.					
10	Allow the amount of R 15,000.00 for general builders work. This work shall be measured on completion and priced at scheduled rates.	Item		15,000.00	
<b>Carried to Collection</b>					
			R		
Section No. 4 Bill No. 10 Provisional Sums					

Section No. 4 Bill No. 10 Provisional Sums <b><u>COLLECTION</u></b>				
Total Brought Forward from Page No.	<b>Page No</b> 85		<b>Amount</b>	
	86		-----	
			-----	
<p style="text-align: center;"><b>Carried Forward to Summary of Section No. 4</b></p>			R	
Section No. 4 Bill No. 10 Provisional Sums				

<b>Bill No</b>	<b>SECTION SUMMARY - New Ablutions</b>	<b>Page No</b>		<b>Amount</b>	
1	Foundations	74			
2	Masonry	77			
3	Carpentry & Joinery	78			
4	Ironmongery	79			
5	Metalwork	80			
6	Plastering	81			
7	Tiling	82			
8	Plumbing and Drainage	83			
9	Paintwork	84			
10	Provisional Sums	87			
	<b>Carried to Final Summary</b>		R		
	Section No. 4				



Section No	<u>FINAL SUMMARY</u>	Page No		Amount
1	Preliminaries & General	3		
2	General Builders Work	45		
3	Video Tower & Ticket Office Roof Canopy	68		
4	New Ablutions	88		
	Sub-Total		R	
	Value Added Tax (14%)		R	
	Total		R	
	<b>Carried to Form of Tender</b>		R	