



SUBSIDY HOUSING TYPOLOGY AND COSTS STUDY: DELIVERABLE 1
PART 3: BILL OF QUANTITIES FOR MILITARY VETERAN'S UNIT



human settlements

Department:
Human Settlements
REPUBLIC OF SOUTH AFRICA

		Unit	Quantity	Rate	Amount	
<u>FILLING, ETC.</u>						
<u>Filling with selected material from the excavations and compacted in 150mm thick layers to a density of at least 95% Mod AASHTO maximum density for:</u>						
5	Backfilling to trenches, holes, etc. T2 9	m ³	9	50.00	450 00	
<u>Earth filling supplied by the Contractor, including compaction in 150mm layers to 95% Mod AASHTO density, including scarifying and compaction of existing ground surface to a depth of 150mm:</u>						
6	Under floors. T2 15	m ³	15	107.18	1,607 70	
<u>Surface preparation:</u>						
7	Compaction of ground surface, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density. T2 19	m ²	19	9.20	174 80	
<u>SOIL POISONING</u>						
<u>Soil insecticide in accordance with SANS 5859:</u>						
8	Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming. T2 50	m ²	50	5.00	250 00	
9	To bottoms and sides of trenches etc. T2 86	m ²	86	5.00	430 00	
				Carried to Collection	R	2,912 50
Section No. 2						
Bill No. 1						
Earthworks						



Military Veterans Unit
Type 2- 50m²

Amount

SECTION NO. 2

Builders Work

BILL NO. 1

EARTHWORKS

COLLECTION

Page No

Brought Forward from Page

2-1

6,572 74

2-2

2,912 50

Carried To Section Summary

R

9,485 24

Section No. 2
Bill No. 1
Earthworks

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>Builders Work</u> <u>BILL NO. 2</u> <u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p>				
<p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p>				
<p>The Tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2008 Edition) and the following supplementary preambles.</p>				
<p><u>SUPPLEMENTARY PREAMBLES</u></p>				
<p><u>Cost of tests:</u></p>				
<p>The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G 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>				
<p><u>Formwork:</u></p>				
<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 sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.</p>				
<p>Section No. 2 Bill No. 2 Concrete, Formwork And Reinforcement</p>				
<p>Carried to Collection</p>				
			R	10,533 78



Military Veterans Unit
Type 2- 50m²

Amount

SECTION NO. 2

Builders Work

BILL NO. 2

CONCRETE, FORMWORK AND REINFORCEMENT

COLLECTION

Page No

Brought Forward from Page

2-4

10,533 78

2-5

10,533 78

Carried To Section Summary

R

21,067 56

Section No. 2

Bill No. 2

Concrete, Formwork And Reinforcement

2-6

	Unit	Quantity	Rate	Amount	
<p>SECTION NO. 2 Builders Work BILL NO. 3 MASONRY</p> <p>MASONRY</p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and the Supplementary Preambles hereunder.</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>BRICKWORK</p> <p>Sizes in descriptions:</p> <p>Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick.</p> <p>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</p> <p>Brickwork in "Big Max" cement bricks in Class II mortar, size 290 x 140 x 90mm:</p>					
1	140mm Brick walls. T2 37	m ²	37	135.00	4,995 00
<p>BRICKWORK IN SUPERSTRUCTURE</p> <p>Brickwork in "Big Max" cement bricks in Class II mortar, size 290 x 140 x 90mm:</p>					
2	140mm Brick walls. T2 59	m ²	59	135.00	7,965 00
3	Ditto, but in beamfilling. T2 3	m ²	3	135.00	405 00
4	90mm Brick walls. T2 33	m ²	33	122.00	4,026 00
5	140mm Brick walls in firewall.	m ²		135.00	0 00
6	Ditto, but in gable walls. T2 3	m ²	3	135.00	405 00
			Carried to Collection	R	19,414 00
<p>Section No. 2 Bill No. 3 Masonry</p>					



Military Veterans Unit
Type 2- 50m²

Amount

SECTION NO. 2

Builders Work

BILL NO. 3

MASONRY

COLLECTION

Page No

Brought Forward from Page

2-7

19,414 00

2-8

1,618 00

Carried To Section Summary

R

21,032 00

Section No. 2
Bill No. 3
Masonry

		Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>Builders Work</u> <u>BILL NO. 4</u> <u>WATERPROOFING</u></p> <p>The Tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2008 Edition).</p> <p><u>DAMPPROOFING OF WALLS AND FLOORS</u></p> <p><u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course:</u></p>					
1	In walls, cills, etc. T2 7	m ²	7	8.76	61 32
<p><u>One layer of 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape:</u></p>					
2	Under surface beds. T2 50	m ²	50	7.62	381 00
				R	6,340 84

Carried To Section Summary

Section No. 2
Bill No. 4
Waterproofing

	Unit	Quantity	Rate	Amount
<p>SECTION NO. 2 Builders Work BILL NO. 5 ROOF COVERINGS</p> <p>The Tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2008 Edition).</p> <p>ROOF COVERINGS, ETC.</p> <p>CORRUGATED METAL SHEETING AND ACCESSORIES</p> <p><u>0.5mm "Fullhard" corrugated sheeting fixed to timber purlins or rails with 75mm long "El Toro" drive screws, in strict accordance with manufacturer's specifications.</u></p>				
1	m ²	60	95.00	5,700 00
				T2 60
2	m	7	28.36	198 52
				T2 7
Carried To Section Summary			R	13,671 72
<p>Section No. 2 Bill No. 5 Roof Coverings</p>				

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>Builders Work</u> <u>BILL NO. 6</u> <u>CARPENTRY AND JOINERY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document "Model Preambles for Trades" (2008 Edition) and to the Supplementary Preambles incorporated hereunder.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Prefabricated trusses shall be fabricated in a factory by a truss fabricator who has been awarded a Certificate of Competence by the Institute of Timber Construction and is approved by the Principal Agent.</p> <p>All trusses shall be designed by a registered Professional Engineer in accordance with SABS Code of Practice for Design of Timber Structures.</p> <p>The complete structure shall be inspected by the truss designer to ensure that the manufacture and erection details have been complied with.</p> <p><u>PREFABRICATED ROOF TRUSSES, ETC.</u></p> <p><u>Sawn softwood:</u></p> <p><u>Prefabricated timber roof construction to double pitched roof, including purlins, runners, cleats, etc., supplied and fixed complete:</u></p>				
1	No.		7,502.00	0 00
Trusses for rectangular shaped building, size overall 6.622 X 7.522 m on plan (Type 1).				
2	No.	1	7,502.00	7,502 00
Trusses for rectangular shaped building, size overall 8.335 X 6.000m on plan (Type 2).				
		T2 1		
3	m	12	22.60	271 20
76 x 38mm Wall plates.				
		T2 12		
Carried to Collection			R	13,083 47
<p>Section No. 2 Bill No. 6 Carpentry And Joinery</p>				



Military Veterans Unit
Type 2- 50m²

Amount

SECTION NO. 2

Builders Work

BILL NO. 6

CARPENTRY AND JOINERY

COLLECTION

Page No

Brought Forward from Page

2-12

13,083 47

2-13

5,310 27

Carried To Section Summary

R

18,393 74

Section No. 2

Bill No. 6

Carpentry And Joinery

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>Builders Work</u> <u>BILL NO. 7</u> <u>CEILINGS PARTITIONS AND ACCESS FLOORING</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document "Model Preambles for Trades" (2008 Edition).</p> <p><u>NAILED UP AND SCREW UP CEILINGS</u></p> <p><u>6,4mm Gypsum plasterboards with H-profile galvanised steel jointing strips:</u></p>				
1				
Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres with cross brandering at 450mm centres and at joints, ends of sheets and at light fittings, etc.	m ²	46	105.00	4,830 00
T2 46				
<p><u>6mm Fibre-cement plain ceiling boards with H-profile galvanised steel jointing strips:</u></p>				
2				
Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres with cross brandering at 450mm centres and at joints, ends of sheets and at light fittings, etc.	m ²		145.00	0 00
Carried To Section Summary			R	5,745 14
Section No. 2				
Bill No. 7				
Ceilings Partitions And Access Flooring				

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>Builders Work</u> <u>BILL NO. 8</u> <u>IRONMONGERY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document "Model Preambles for Trades" (2008 Edition).</p> <p><u>IRONMONGERY FIXED TO DOORS, ETC.</u></p> <p><u>Locks:</u></p>				
1	No.	3	102.50	307 50
<p>Two lever "CZ 69424955" mortice lockset complete with lockset and door furniture. T2 3</p>				
2	No.	2	116.32	232 64
<p>Three lever "CZ 69424955" mortice lockset complete with lockset and door furniture. T2 2</p>				
<p><u>BATHROOM FITTINGS</u></p> <p><u>Stainless steel:</u></p>				
3	No.	1	125.00	125 00
<p>Towel rail 1200mm long including end brackets plugged. T2 1</p>				
4	No.	1	125.00	125 00
<p>Toilet roll holder plugged. T2 1</p>				
5	No.	1	125.00	125 00
<p>Soap holder plugged. T2 1</p>				
Carried To Section Summary			R	3,877 74
<p>Section No. 2 Bill No. 8 Ironmongery</p>				

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>Builders Work</u> <u>BILL NO. 9</u> <u>METALWORK</u>				
The Tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2008 Edition).				
<u>PRESSED STEEL DOOR FRAMES</u>				
<u>1mm Thick "Durowin" rebated frames suitable for 90mm wide brick walls, with and including ironmongery and red oxide paint finish:</u>				
1	No.	3	243.00	729 00
Frame for door 813 x 2032mm high. T2 3				
<u>1mm Thick "Durowin" rebated frames suitable for 140mm wide brick walls, with and including ironmongery and red oxide paint finish:</u>				
2	No.	2	265.00	530 00
Frame for door 813 x 2032mm high. T2 2				
<u>STEEL WINDOWS, DOORS, ETC.</u>				
<u>1mm Thick "Durowin Type F7" residential windows complete with ironmongery, paint, etc. and fixing to brickwork or concrete:</u>				
3	No.	1	165.70	165 70
Window, type NE1, size 533 x 654mm high. T2 1				
4	No.	2	332.60	665 20
Window, type NC4, size 1511 x 949mm high. T2 2				
5	No.	2	436.35	872 70
Window, type ND45, size 1511 x 1254mm high. T2 2				
Carried To Section Summary			R	14,874 52
Section No. 2 Bill No. 9 Metalwork				

		Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>Builders Work</u> <u>BILL NO. 10</u> <u>PLASTERING</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document "Model Preambles for Trades" (2008 Edition).</p> <p><u>SCREEDS</u></p> <p><u>Screeds wood floated, on concrete.</u></p>					
1	22,5mm Thick on floors and landings. T2 50	m ²	50	45.00	2,250 00
<p><u>CEMENT RENDER</u></p> <p><u>Cement render on brickwork:</u></p>					
2	12mm Thick on external walls including narrow widths. T2 68	m ²	68	49.44	3,361 92
<p><u>INTERNAL PLASTER</u></p> <p><u>One coat cement plaster steel trowelled on brickwork.</u></p>					
3	On walls including narrow widths. T2 110	m ²	110	50.00	5,500 00
<p><u>One coat cement plaster wood floated for tiles, on brickwork.</u></p>					
4	On walls. T2 16	m ²	16	50.00	800 00
<p>Section No. 2 Bill No. 10 Plastering</p>					
<p>Carried To Section Summary</p>				R	20,446 92

	Unit	Quantity	Rate	Amount
<p>SECTION NO. 2 Builders Work BILL NO. 11 TILING</p> <p>The Tenderer is referred to the relevant Clauses in the separate document "Model Preambles for Trades" (2008 Edition).</p> <p>SUPPLEMENTARY PREAMBLES</p> <p>Descriptions:</p> <p>Unless described as fixed with adhesive to plaster (plaster elsewhere), descriptions of tiling on brick or concrete walls, columns, etc., shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding.</p> <p>WALL TILING</p> <p><u>5mm Thick ceramic tiles, fixed with an approved adhesive to plaster (plaster elsewhere) and flush pointed with tinted grout:</u></p>				
1	m ²	4	155.00	620 00
		T2 4		
2	m ²	1	165.00	165 00
		T2 1		
<p>FLOOR TILING</p> <p><u>5mm Thick ceramic tiles, on bedding on concrete and flush pointed with tinted grout:</u></p>				
3	m ²	50	155.00	7,750 00
		T2 50		
Carried To Section Summary			R	8,535 00
Section No. 2				
Bill No. 11				
Tiling				

	Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>Builders Work</u> <u>BILL NO. 12</u> <u>PLUMBING AND DRAINAGE</u></p>				
<p>The Tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2008 Edition).</p>				
<p><u>SUPPLEMENTARY PREAMBLES</u></p>				
<p><u>'Polycop' polypropylene pipes:</u></p>				
<p>Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with 'Fast-fuse' heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated.</p>				
<p>Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions.</p>				
<p>All pipe diameters are nominal external.</p>				
<p><u>'Polylink' polypropylene pipes:</u></p>				
<p>Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron 'Supraclamp' running joints.</p>				
<p>Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured.</p>				
<p>Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double X joint couplers.</p>				
<p>Branch tees shall include flanged and bolted joints to 'Polycop' branch pipes in addition and for brass compression male iron to copper straight couplers.</p>				
<p>Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reduces shall be of sufficient overall length to accommodate same.</p>				
<p>All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions.</p>				
<p>All pipe diameters are nominal external.</p>				
<p style="text-align: right;">Carried to Collection</p>			R	0 00
<p>Section No. 2 Bill No. 12 Plumbing And Drainage</p>				

	Unit	Quantity	Rate	Amount
<p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes for water supply shall be of the class stated.</p> <p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings.</p> <p>Pipes of 50mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints.</p> <p><u>Copper pipes:</u></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.</p> <p><u>Internal water supplies:</u></p> <p>Prices for all piping laid in ground, inspection chambers, etc. shall include for excavations, keeping free of water, distributing surplus material on site (carting away has been separately measured) and backfilling in selected material (imported fill where required will be separately measured).</p> <p>Holes, chases, etc., are deemed to be included in the descriptions of the pipework.</p> <p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include for fixing to walls etc. casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Lead pipes and traps:</u></p> <p>All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel.</p>				
<p style="text-align: right;">Carried to Collection</p>			R	0 00
<p>Section No. 2 Bill No. 12 Plumbing And Drainage</p>				

	Unit	Quantity	Rate	Amount
<p><u>Reducing fittings:</u></p>				
<p>Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.</p>				
<p><u>Wire gratings:</u></p>				
<p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings.</p>				
<p><u>Exposed concrete surfaces:</u></p>				
<p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster.</p>				
<p><u>Excavations:</u></p>				
<p>No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.</p>				
<p>'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.</p>				
<p><u>Laying, backfilling, bedding, etc of pipes:</u></p>				
<p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.</p>				
<p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SAB.</p>				
<p><u>Flush pans:</u></p>				
<p>Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.</p>				
<p>Carried to Collection</p>				
<p>Section No. 2 Bill No. 12 Plumbing And Drainage</p>				
<p>2-22</p>				
<p>R 2,035 00</p>				

		Unit	Quantity	Rate	Amount
7	Extra over 75mm diameter rainwater downpipe for eaves or plinth offset. T2 2	No.	2	50.00	100 00
<u>SANITARY FITTINGS</u>					
<u>Sanitary fittings:</u>					
8	WC including plumbing and drainage, installed complete. T2 1	No.	1	1,815.00	1,815 00
9	Wall hung wash hand basin including support bracket, taps, plumbing and drainage, installed complete. T2 1	No.	1	2,112.00	2,112 00
10	Stainless steel sink including support bracket, taps plumbing and drainage, installed complete. T2 1	No.	1	2,173.00	2,173 00
11	Bath tub including support bracket, taps, plumbing and drainage, installed complete. T2 1	No.	1	1,710.00	1,710 00
<u>SOLAR GEYSERS</u>					
<u>Solar geyser installed complete with electric element and thermostat, erected and fixed to the roof on steel stand at 22 degrees:</u>					
12	100lt Hot water cylinder with 1000 x 1500 solar panels. T2 1	No.	1	5,000.00	5,000 00
				Carried to Collection	R 12,910 00
Section No. 2					
Bill No. 12					
Plumbing And Drainage					



Military Veterans Unit
Type 2- 50m²

SECTION NO. 2
Builders Work
BILL NO. 12
PLUMBING AND DRAINAGE
COLLECTION

Amount

Page No

Brought Forward from Page

2-20	0 00
2-21	0 00
2-22	2,035 00
2-23	14,945 00
2-24	12,910 00

Carried To Section Summary

Section No. 2
Bill No. 12
Plumbing And Drainage

R

29,890 00

		Unit	Quantity	Rate	Amount
<p><u>SECTION NO. 2</u> <u>Builders Work</u> <u>BILL NO. 13</u> <u>GLAZING</u></p> <p>The Tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2008 Edition).</p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>3mm Clear float glass:</u></p>					
1	Panes exceeding 0,1m ² and not exceeding 0,5m ² . T2 6	m ²	6	140.75	844 50
<p><u>3mm Obscure glass:</u></p>					
2	Panes exceeding 0,1m ² and not exceeding 0,5m ² . T2 0.34	m ²	0.34	159.91	54 37
Carried To Section Summary				R	9,790 87
<p>Section No. 2 Bill No. 13 Glazing</p>					

	Unit	Quantity	Rate	Amount
<u>SECTION NO. 2</u> <u>Builders Work</u> <u>BILL NO. 14</u> <u>PAINTWORK</u>				
The Tenderer is referred to the relevant clauses in the separate document Model Preambles for Trades (2008 Edition).				
<u>ON EXTERNAL RENDERED PLASTER SURFACES</u>				
<u>Prepare and apply one coat primer and two coats PVA emulsion paint for exterior use to approved colours:</u>				
1	On walls. T2 68	m ² 68	38.00	2,584 00
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
<u>Prepare and apply one coat primer and two coats PVA emulsion paint for interior use to approved colours:</u>				
2	On walls. T2 110	m ² 110	38.00	4,180 00
<u>ON PLASTERBOARD SURFACES</u>				
<u>Prepare and apply one coat primer and two coats PVA emulsion paint for interior use to approved colours:</u>				
3	On ceilings. T2 46	m ² 46	38.00	1,748 00
<u>ON FIBRE-CEMENT BOARD SURFACES</u>				
<u>Prepare and apply one coat primer and two coats exterior quality PVA emulsion paint to approved colours:</u>				
4	On ceilings.	m ²	38.00	0 00
5	On fascia and barge boards. T2 10	m ² 10	38.00	380 00
Carried to Collection			R	9,890 56
Section No. 2 Bill No. 14 Paintwork				



Military Veterans Unit
Type 2- 50m²

Amount

SECTION NO. 2

Builders Work

BILL NO. 14

PAINTWORK

COLLECTION

Page No

Brought Forward from Page

2-27

9,890 56

2-28

998 56

Carried To Section Summary

R

10,889 12

Section No. 2
Bill No. 14
Paintwork



Bill No.		Page	Amount
	<u>SECTION NO. 2</u>		
	<u>Builders Work</u>		
	<u>SECTION SUMMARY</u>		
1	EARTHWORKS	2-3	9,485 24
2	CONCRETE, FORMWORK AND REINFORCEMENT	2-6	21,067 56
3	MASONRY	2-9	21,032 00
4	WATERPROOFING	2-10	6,340 84
5	ROOF COVERINGS	2-11	13,671 72
6	CARPENTRY AND JOINERY	2-14	18,393 74
7	CEILINGS PARTITIONS AND ACCESS FLOORING	2-15	5,745 14
8	IRONMONGERY	2-16	3,877 74
9	METALWORK	2-17	14,874 52
10	PLASTERING	2-18	20,446 92
11	TILING	2-19	8,535 00
12	PLUMBING AND DRAINAGE	2-25	29,890 00
13	GLAZING	2-26	9,790 87
14	PAINTWORK	2-29	10,889 12
	Carried to Final Summary	R	194,040 41
	Section No. 2 SECTION SUMMARY		

SECTION NO. 3
Provisional Sum

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles hereunder.

PROVISIONAL AMOUNTS

The following selected/nominated sub-contract amounts are for work to be carried out by selected/nominated sub-contractors in terms of clause 20 of the Principal Building Agreement:

NOTE:

1. The following sums and amounts are NETT.
2. Under no circumstances may any Provisional Sums be extended at an amount lower than the amount given in the bill.
3. Unless a specific percentage mark-up for Attendance is indicated in the rate column, the amount priced by the Contractor for Attendance against each Provisional Sum shall be deemed to be the Lump Sum and shall not be adjusted unless the scope of the sub-contract varies significantly.
4. Provisional Sums contained here-in 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 or any discount, or percentage relating to Provisional Sums or PC Amounts or any loss of profit thereto.

JOINERY

- 1 Provide the amount of R 3,150.00 (Three Thousand One Hundred and Fifty Rand) for Kitchen Cupboards and Built-in Cupboards, etc. to be executed complete.

I 1

- 2 Profit on above item.

I 1

- 3 Attendance on ditto.

I 1

ELECTRICAL INSTALLATION

- 4 Provide the amount of R 10,011 (Ten Thousand and Eleven Rand) for Electrical Installation, to be executed complete.

I 1

Carried To Section Summary

Section No. 3

Bill No. 1

Provisional Sums

Amount

Item 3,150 00

Item 0 00

Item 0 00

Item 10,011 00

R 27,598 50

Amount

5	Profit on above item. 1	Item	0 00
6	Attendance on ditto. 1	Item	0 00
<u>STOVE</u>			
7	Provide the amount of R 350,00 (Three Hundred and Fifty Rand) for a Stove, to be executed complete. 1	Item	350 00
8	Profit on above item. 1	Item	0 00
9	Attendance on ditto. 1	Item	0 00
<u>CARPORT</u>			
10	Provide the amount of R 11,000.00 (Eleven Thousand Rand) for Steel Carport Installation including steel structure and sheeting, to be executed complete. 1	Item	11,000 00
11	Profit on above item. 1	Item	0 00
12	Attendance on ditto. 1	Item	0 00
<u>FENCING</u>			
13	Provide the amount of R 3087.50 (Three Thousand and Eighty Seven Rand and Fifty Cents) for PVC covered Wire Mesh Fencing including gumpole posts and bracings, to be executed complete. 1	Item	3,087 50
14	Profit on above item. 1	Item	0 00
15	Attendance on ditto. 1	Item	0 00

Carried To Section Summary

R 14,437 50

Section No. 3
Bill No. 1
Provisional Sums



Military Veterans Unit
Type 2- 50m²

Amount

SECTION NO. 3

Provisional Sum

SECTION SUMMARY

Brought forward from page

Page

3-1

27,598 50

3-2

14,437 50

Carried to Final Summary

R

42,036 00

Section No. 3

SECTION SUMMARY



Military Veterans Unit
Type 2- 50m²

Section No.		Page	Amount	
1	Preliminaries	1-33	0	00
2	Builders Work	2-30	194,040	41
3	Provisional Sum	3-3	42,036	00
	SubTotal before VAT		236,076	41
	ADD VAT @ 14%:		33,050	70
	Carried to Tender	R	269,127	11

FINAL SUMMARY

Detailed cost breakdown of a 50m ² MV, type 2 (without a patio) house effective from 30 October 2012		
Construction Cost for a 50m ² house	Earthworks (provisional)	R 6 572.74
	Concrete, Formwork & Reinforcement	R 10 914.78
	Brickwork	R 19 388.80
	Roof Structure	R 16 074.08
	Ceilings	R 6 578.00
	Windows	R 3 134.47
	Doors and Frames	R 5 640.13
	Finishing and Paintwork	R 16 425.92
	Electrical	R 10 011.00
	Floor and Wall Tiling	R 10 785.00
	Plumbing and Toilet including rainwater disposal	R 15 320.00
	2 plate hob	R 350.00
	Joinery	R 3 150.00
	Carport	R 11 000.00
	Fencing (32.5m)	R 3 087.50
	Material	
	Labour - <i>included</i>	
	Sub-Total	R 138 432.42
	P &G	R 12 583.51
	Overheads - included	
	Transfer Costs - <i>excluded</i>	
	Beneficiary Administration - <i>excluded</i>	
	Profit - <i>included</i>	
	Sub-Total	R 151 015.93
	Escalation	R 18 625.30
	Clerks of Works	R 5 937.44
	Project Manager	R 5 089.24
Total (Rounded Off)	R 180 667.90	