

SECTION	BILL	PAGE NO	ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
				SECTION NO. 1				
				BILL NO. 1				
				PRELIMINARIES				
1	1	117		NOTES	H1			
1	1	117		i)The agreement is to be the JBCC Series 2000 Principal Building Agreement, Edition 4.1 Code 2101, March 2005, and other contract documents that together form the contract between the employer and contractor				
1	1	117		ii)The preliminaries are to be the JBCC Series 2000 Preliminaries prepared by the Joint Building Contracts Committee, May 2005 edition and shall be deemed to be incorporated herein				
1	1	117		iii)Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary				
1	1	117		iv)Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading				
1	1	117		v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")				
1	1	117		vi) Alternative A as set out in clause 810.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time				
1	1	118		SECTION A: PRINCIPAL BUILDING AGREEMENT	H2			
1	1	118		Definitions (A1)	H3			
1	1	118	1	Definitions and interpretation (clause 1)	Item			
				F:..... V:..... T:.....				
1	1	118		Objective and Preparation (A2)	H3			
1	1	118	2	Offer acceptance and performance (clause 2)	Item			
				F:..... V:..... T:.....				
1	1	118		Preparation (A3-A14)	H3			
1	1	118	3	Documents (clause 3)	Item			
				F:..... V:..... T:.....				
1	1	118	4	Design responsibility (clause 4)	Item			
				F:..... V:..... T:.....				
1	1	118	5	Employer's agents (clause 5)	Item			
				F:..... V:..... T:.....				
1	1	118	6	Site representative (clause 6)	Item			

1	1	119	20	Nominated subcontractors (clause 20)	Item				
				F:..... V:..... T:.....					
1	1	120	21	Selected subcontractors (clause 21)	Item				
				F:..... V:..... T:.....					
1	1	120	22	Employer's Direct Contractors (clause 22)	Item				
				F:..... V:..... T:.....					
1	1	120	23	Contractor's Domestic Sub-Contractors (Clause 23)	Item				
				F:..... V:..... T:.....					
1	1	120		Completion (A24-A30)	H3				
1	1	120	24	Practical completion (clause 24)	Item				
				F:..... V:..... T:.....					
1	1	120	25	Works completion (clause 25)	Item				
				F:..... V:..... T:.....					
1	1	120	26	Final completion (clause 26)	Item				
				F:..... V:..... T:.....					
1	1	120	27	Latent defects liability period (clause 27)	Item				
				F:..... V:..... T:.....					
1	1	120	28	Sectional completion (clause 28)	Item				
				F:..... V:..... T:.....					
1	1	120	29	Revision of date of practical completion (clause 29)	Item				
				F:..... V:..... T:.....					
1	1	120	30	Penalty for non-completion (clause 30)	Item				
				F:..... V:..... T:.....					
1	1	121		Payment (A31 - A35)	H3				
1	1	121	31	Interim payment to the contractor (clause 31)	Item				
				Clause 31.9 has been ammended to read that the employer shall pay the contractor the amount certified in an interim payment certificate within thirty (30) calendar days of the date of issue of the payment certificate					
				F:..... V:..... T:.....					
1	1	121	32	Adjustment to the contract value (clause 32)	Item				

				F:..... V:..... T:.....				
1	1	121	33	Recovery of expense and loss (clause 33)	Item			
				F:..... V:..... T:.....				
1	1	121	34	Final account and final payment (clause 34)	Item			
				F:..... V:..... T:.....				
1	1	121	35	Payment to other parties (clause 35)	Item			
				F:..... V:..... T:.....				
1	1	121		Cancellation (A36-A39)	H3			
1	1	121	36	Cancellation by employer - contractor's default (clause 36)	Item			
				F:..... V:..... T:.....				
1	1	121	37	Cancellation by employer - loss and damage (clause 37)	Item			
				F:..... V:..... T:.....				
1	1	121	38	Cancellation by contractor - employer's default (clause 38)	Item			
				F:..... V:..... T:.....				
1	1	121	39	Cancellation - cessation of the works (clause 39)	Item			
				F:..... V:..... T:.....				
1	1	122		Dispute (A40)	H3			
1	1	122	40	Dispute Settlement (clause 40)	Item			
				F:..... V:..... T:.....				
1	1	122		Contract variables (A42)	H3			
1	1	122		THE SCHEDULE	H3			
1	1	122		Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder				
1	1	122	41	Pre-tender information (clause 42)	Item			
				F:..... V:..... T:.....				
1	1	122		42.1 CONTRACTING AND OTHER PARTIES	H3			
1	1	122		42.1.1 Employer				
				GREAT KEI MUNICIPALITY				
				17 Main Street				
				Komga,				
					4950			
				Tel: [043] 831 5700				
				Fax: [043] 831 1029				

1	1	122		42.1.2 Principal Agent:				
				PLM Quantity Surveyors & Valuers				
				20 Bonza Bay Road				
				Beacon Bay				
				EAST LONDON				
					5241			
				Tel0043 - 748 2710				
				Fax0043 - 748 6902				
1	1	123		41.1.3				
				Agents service: Architect				
				Imbono FJA Architects				
				Postal address:				
				Private Bag X9063				
				East London				
					5200			

				Tel: 043 - 721 0032				
				Fax: 043 - 721 1102				
				E-mail: info-el@imbonofja.co.za				
1	1	123		42.1.4 Agent 2 :PMUr:				
				PROJECT MANAGEMENT UNIT				
				Great Kei Local municipality				
				Komga				
				Tel043 831 1068				
				Fax043 831 1306				
1	1	123		42.1.5 Agent's Service :				
				Agent 3: Structural and Civil Engineers				
				Sinakho Consulting Engineers				
				93 Western Avenue				
				Vincent				
				East London				
					5217			
				Tel043 - 726 4389				
				Fax043 - 726 4391				
1	1	124		42.1.6 Agent's Service :				
				Agent 4: Electrical/Mechanical Engineers				
				AKM & Associates				
				P O Box 15504,				
				Beacon Bay				
				East London				
					5205			

				Telephone - 726 29558				
				Fax 043 - 727 1084				
1	1	124		42.1.7 Health & Safety Consultant				
				To be advised				
1	1	124		42.2 CONTRACT DETAILS	H3			
1	1	124		42.2.1 Works Description :				
				Construction of New Community hall, new toilet block, fencing, Electrical installation and associated external works				
1	1	124		42.2.2 Site Description: Gwaba Community Hall in Gwaba Village				
1	1	124		42.2.3 Work or installations by direct contractors				
				To be advised				
1	1	124		42.2.4 See Contract Data				
1	1	124		42.2.5 Possession of the site shall be given to the contractor immediately after signing of contract				
1	1	124		42.2.6 The period for commencement of the works will be 5 (five) working days				
1	1	125		42.2.7 The intended date of practical completion and the penalty for each day of non-completion:				
				Contract Period: Six (06) calendar months (Exclusive of Builders Shut Down and Statutory Holidays) from date of site handover				
				Penalty Amount: 5.75 cents per R100 of tender amount per calendar day				
1	1	125	42	42.2.8 Completion in sections:	N/A			
				F:..... V:..... T:.....				
1	1	125		42.2.9 The law of the Republic of South Africa will Apply				

1	1	125	42.3 INSURANCES	H3					
1	1	125	43 42.3.1 Contract Works Insurances to be effected by	Item					
			the Contractor for the Contract Sum plus 10%, the contractor						
			is responsible in any event for the deductible						
			F:..... V:..... T:.....						
1	1	125	44 42.3.2 Supplementary Insurance Required : Yes	Item					
			Contract Sum plus 10% the contractor is responsible in any						
			event for the deductible						
			F:..... V:..... T:.....						
1	1	125	45 42.3.3 Public Liability Insurance to be effected by the	Item					
			Contractor						
			For the sum of R 5 000 000.00 (Five Million Rand)						
			the contractor is responsible in any event for the deductible						
			F:..... V:..... T:.....						
1	1	126	46 42.3.4 Support insurance to be effected by the Employer	N/A					
			With a deductible of R (to be completed by the						
			Contractor)						
1	1	126	42.4 DOCUMENTS	H3					
1	1	126	47 42.4.1 Waiver of Contractors Lien is required	Item					
			The Employer will not be providing payment guarantee for the						
			waiver of the Contractors lien or right of continuing possession						
			of the site.						
			F:..... V:..... T:.....						
1	1	126	48 42.4.2 Construction Document copies to be supplied: 3 (Three)	Item					
			copies						

1	1	128	56	Provisional bills of quantities (B2.2)	Item			
				F:..... V:..... T:.....				
1	1	128	57	Availability of construction documentation (B2.3)	Item			
				F:..... V:..... T:.....				
1	1	128	58	Interests of agents (B2.4)	Item			
				F:..... V:..... T:.....				
1	1	128	59	Priced documents (B2.5)	Item			
				F:..... V:..... T:.....				
1	1	128	60	Tender submission (B2.6)	Item			
				F:..... V:..... T:.....				
1	1	129		The site (B3)	H3			
1	1	129	61	Defined works area (B3.1)	Item			
				F:..... V:..... T:.....				
1	1	129	62	Geotechnical investigation (B3.2)	Item			
				F:..... V:..... T:.....				
1	1	129	63	Inspection of the site (B3.3)	Item			

				F:..... V:..... T:.....				
1	1	129	64	Existing premises occupied (B3.4)	Item			
				F:..... V:..... T:.....				
1	1	129	65	Previous work - dimensional accuracy (B3.5)	Item			
				F:..... V:..... T:.....				
1	1	129	66	Previous work - defects (B3.6)	Item			
				F:..... V:..... T:.....				
1	1	129	67	Services - known (B3.7)	Item			
				F:..... V:..... T:.....				
1	1	129	68	Services - unknown (B3.8)	Item			
				F:..... V:..... T:.....				
1	1	129	69	Protection of trees etc (B3.9)	Item			
				F:..... V:..... T:.....				
1	1	129	70	Articles of value (B3.10)	Item			
				F:..... V:..... T:.....				
1	1	129	71	Inspection of adjoining properties etc (B3.11)	Item			
				F:..... V:..... T:.....				
1	1	130		Management of contract (B4)	H3			
1	1	130	72	Management of the works (B4.1)	Item			
				F:..... V:..... T:.....				
1	1	130	73	Programming for the works (B4.2)	Item			
				F:..... V:..... T:.....				

1	1	130	74	Progress meetings (B4.3)	Item			
				F:..... V:..... T:.....				
1	1	130	75	Technical meetings (B4.4)	Item			
				F:..... V:..... T:.....				
1	1	130	76	Labour and plant records (B4.5)	Item			
				F:..... V:..... T:.....				
1	1	130		Samples and shop drawings (B5)	H3			
1	1	130	77	Samples of materials (B5.1)	Item			
				F:..... V:..... T:.....				
1	1	130	78	Workmanship samples (B5.2)	Item			
				F:..... V:..... T:.....				
1	1	130	79	Shop drawings (B5.3)	Item			
				F:..... V:..... T:.....				
1	1	130		Temporary works and plant (B6)	H3			
1	1	130	80	Deposits and fees (B6.1)	Item			
				F:..... V:..... T:.....				
1	1	130	81	Enclosure of the works (B6.2)	Item			
				F:..... V:..... T:.....				
1	1	131	82	Advertising (B6.3)	Item			
				F:..... V:..... T:.....				
1	1	131	83	Plant, equipment, sheds and offices (B6.4)	Item			
				F:..... V:..... T:.....				
1	1	131	84	Main notice board (B6.5)	Item			
				F:..... V:..... T:.....				
1	1	131	85	Subcontractors notice board (B6.6)	Item			
				F:..... V:..... T:.....				
1	1	131		Temporary services (B7)	H3			
1	1	131	86	Location (B7.1)	Item			
				F:..... V:..... T:.....				

1	1	131	87	Water (B7.2)	Item			
				Alternative A shall apply				
				F:..... V:..... T:.....				
1	1	131	88	Electricity (B7.3)	Item			
				Alternative A shall apply				
				F:..... V:..... T:.....				
1	1	131	89	Telecommunication equipment (B7.4)	Item			
				Alternative A shall apply				
				F:..... V:..... T:.....				
1	1	131	90	Ablution facilities (B7.5)	Item			
				Alternative A shall apply				
				F:..... V:..... T:.....				
1	1	132		Prime cost amounts (B8)	H3			
1	1	132	91	Responsibility for prime cost amounts (B8.1)	Item			
				F:..... V:..... T:.....				
1	1	132		Attendance on N/S Subcontractors (B9)	H3			
1	1	132	92	General attendance (B9.1)	Item			
				F:..... V:..... T:.....				
1	1	132	93	Special attendance (B9.2)	Item			
				F:..... V:..... T:.....				
1	1	132	94	Commissioning - Fuel, water and power (B9.3)	Item			
				F:..... V:..... T:.....				
1	1	132		Financial aspects (B10)	H3			
1	1	132		Statutory taxes, duties and levies (B10.1)	Item			
				F:..... V:..... T:.....				
1	1	132	95	Payment of Preliminaries (B10.2)	Item			
				F:..... V:..... T:.....				
1	1	132	96	Adjustment of Preliminaries (B10.3)	Item			
				F:..... V:..... T:.....				
1	1	132	97	Payment certificate cash flow (B10.4)	Item			

				F:..... V:..... T:.....				
1	1	132	98	Contractor information supply (B10.5)	Item			
				F:..... V:..... T:.....				
1	1	133		General (B11)	H3			
1	1	133	99	Protection of works (B11.1)	Item			
				F:..... V:..... T:.....				
1	1	133	100	Protection/isolation of existing/sectionally occupied works (B11.2)	Item			
				F:..... V:..... T:.....				
1	1	133	101	Site security (B11.3)	Item			
				F:..... V:..... T:.....				
1	1	133	102	Notice before covering work (B11.4)	Item			
				F:..... V:..... T:.....				
1	1	133	103	Disturbance (B11.5)	Item			
				F:..... V:..... T:.....				
1	1	133	104	Environmental Disturbance (B11.6)	Item			
				F:..... V:..... T:.....				
1	1	133	105	Works cleaning and clearing (B11.7)	Item			
				F:..... V:..... T:.....				
1	1	133	106	Vermin (B11.8)	Item			
				F:..... V:..... T:.....				
1	1	133	107	Overhand work (B11.9)	Item			
				F:..... V:..... T:.....				
1	1	133		Schedule of variables (B12)	H3			
1	1	133	108	Pre-tender information (B12.1)	Item			
				F:..... V:..... T:.....				
1	1	134		12.1.1 Provisional bills of quantities (B2.2)				
				The quantities are provisional:				
				YES				
1	1	134		12.1.2 Availability of construction documentation (B2.3)				
				Construction documentation is not complete				
				YES				

1	1	134		12.1.3 Interest of agents (B2.4)				
				8				
				See "Bills of Quantities"				
1	1	134		12.1.4 Defined works area (B3.1)				

				To be pointed out to the Contractor on site by the Principal Agent				
1	1	134	12.1.5	Geotechnical investigation (B3.2)				
				Not carried out				
1	1	134	12.1.6	Existing premises occupied (B3.4)				
				Is				
				Yes				
1	1	134	12.1.7	Services - known (B3.7)				
				Existing services and points of connection will be pointed out to the Contractor on site by the Principal Agent				
1	1	134	12.1.8	Protection of trees (B3.9)				
				To be pointed out to the Contractor on site by the Principal Agent				
1	1	134	12.1.9	Inspection of adjoining properties (B3.11)				
				To be confirmed by the Principal Agent				
1	1	135	12.1.10	Enclosure of the works (B6.2)				
				The works shall at all times be hoarded off and protected from unauthorised access. The Contractor is to allow for temporary enclosure of the works by providing and erecting a 1.8m high fence with and including shade netting along the perimeter of the site to shield work from public and for security reasons, and to remove on completion.				
1	1	135	12.1.11	Offices (B6.4.3)				
				The Contractor shall provide, maintain and remove on completion of the works, a temporary site office and chairs to accommodate at least eight people at any one time and remove on completion of the works. The office shall be kept clean and fit for use at all times.				
1	1	135	12.1.12	Main notice board (B6.5)				
				The Contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3 m high as per Architects detail, constructed of suitable boarding with flat smooth surface and with edging bead 19 mm thick round outer edges and projecting 12 mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12 mm wide dividing lines dark blue. All wording shall be inscribed in black sans serif lettering.				

1	1	135	12.1.13	Subcontractors notice board (B6.6)				
				<input type="checkbox"/> notice board is required				
				<input type="checkbox"/> No				
1	1	135	12.1.14	Water (B7.2)				
				Alternative Selected: A				
1	1	135	12.1.15	Electricity (B7.3)				
				Alternative selected: A				
1	1	136	12.1.16	Telecommunications (B7.4)				
				Alternative selected: A				
1	1	136	12.1.17	Ablution facilities (B7.5)				
				Alternative selected: A				
1	1	136	12.1.18	Special attendance (B9.2)				
				Subcontractor (1) details:				
				N/A				
1	1	136	12.1.19	Protection of the works (B11.1)				
				Contractors responsibility				
1	1	136	12.1.20	Protection of existing/sectionally occupied works (B11.2)				
				Protection is required				
				Yes				
1	1	136	12.1.21	Disturbance (B11.5)				
				The Contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the Principal Agent.				
1	1	136	109	Post tender information (B12.2)	Item			
				F:..... V:..... T:.....				
1	1	137	12.2.1	Payment of preliminaries				
				(Please circle the preferred alternative)				
				Alternative selected: <input type="checkbox"/> or <input type="checkbox"/> B				
				Notwithstanding the conditions of contract, should option B above be selected and it is deemed that the Contractor is not progressing adequately on site, then the client has the right to interject and pay time related P & G only in proportion to the actual progress of the works				

1	1	149	133	C17.2 Local Building Materials	Item			
				Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape Province provided that:				
				(a) Such materials comply in all respects with the specific requirements of the "Model Preambles For Trades".				
				(b) The availability of such materials shall not adversely affect the desired progress of the specific works.				
				(c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof.				
				F:..... V:..... T:.....				
1	1	149	134	C17.3 Payment of Local Labour	Item			
				Labour employed on site to be paid a minimum of R120.00/ day				
				Fixed: Value related: Time related:				
1	1	150	135	Local Employment Generation (C18)	Item			
				Contractors labour force must comprise of persons normally resident in the locality of the works (local labour) and hence must be employed on this contract.				
				The contractor will not be allowed to import skilled personnel if the required skills exist within the local community. The contractor will however be allowed to make use of his own permanently employed machine operators and drivers.				
				Provided, however, that should adequate and appropriate labour not be available within the locality, other labour may be employed subject to satisfactory proof that every reasonable endeavour has been made to employ labour from the immediate locality. The contractor shall consult the PSC with the purpose of negotiating with them regarding the utilisation of local labour in the construction process.				
				F:..... V:..... T:.....				
1	1	150	136	Labour Intensive Construction Methods (C19)	Item			
				It is an explicit condition of this tender that labour intensive construction methods be adopted on this project where at all possible.				
				F:..... V:..... T:.....				
				CARRIED TO COLLECTION				
2	1	154		SECTION NO. 2	H1			
				BILL NO. 1				
2	1	154		EARTHWORKS	H1			
2	1	154		PREAMBLES	H2			
2	1	154		For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.				

2	1	154	SUPPLEMENTARY PREAMBLES	H2					
2	1	154	Proprietary products in descriptions	H3					
2	1	154	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.						
2	1	154	Nature of ground	H3					
2	1	154	The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "hard rock" or "soft rock"						
2	1	154	Carting away of excavated material	H3					
2	1	154	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site						
2	1	154	Filling	H3					
2	1	154	Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material.						
2	1	155	Dewatering of excavations	H3					
2	1	155	The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise.						
			Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water.						
2	1	155	Density testing on filling	H3					
2	1	155	Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved.						
			When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.						
			Prices for filling are to include for all necessary density tests in accordance with SABS 1200D.						
2	1	155	Formwork	H3					
2	1	155	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".						
2	1	155	EXCAVATION, FILLING, ETC	H2					
2	1	155	Excavation in earth not exceeding 2 m deep	H3					
2	1	155	1 Trenches	m3		145			
2	1	155	2 Toilet pit	m3		37			
2	1	155	Excavation in earth exceeding 2m and not exceeding 4m deep:	H3		0			
2	1	155	3 Toilet pit	m3		9			
2	1	156	Extra over trench and hole excavations in earth for excavation in	H3		0			
2	1	156	4 Soft rock	m3		46			

2	1	156	5	Hard rock	m3	30			
2	1	156		Extra over all excavations for carting away	H3	0			
2	1	156	6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	62			
2	1	156		Risk of collapse of excavations	H3	0			
2	1	156	7	Sides of trench and hole excavations not exceeding 1,5 m deep	m2	310			
2	1	156	8	Sides of trench and hole excavations exceeding 1,5m deep	m2	43			
2	1	156		Keep excavations free of water	H3	0			
2	1	156	9	Keeping excavations free of water	Item	1			
2	1	156		Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density	H3	0			
2	1	156	10	Backfilling to trenches, holes, etc	m3	63			
2	1	156	11	Under floors, steps, pavings, etc	m3	60			
2	1	156		Approved earth filling (G7) supplied and carted onto site by the Contractor, well watered and compacted in layers not exceeding 150mm thick to obtain 98% Mod AASHTO density:	H3	0			
2	1	156	12	Backfilling to trenches, holes, etc	m3	16			
2	1	156	13	Under Floors, etc	m3	225			
2	1	157		Selected approved grade (G5) quality material supplied by the contractor, spread, well watered and compacted in not exceeding 150 mm thick layer to obtain 98% modified AASHTO density	H3	0			
2	1	157	14	Under floors	m3	65			
2	1	157		Coarse river sand filling supplied by the contractor	H3	0			
2	1	157	15	Under floors, etc	m3	14.4			
2	1	157		Compaction of surfaces	H3	0			
2	1	157	16	Compaction of in-situ material under floors, etc including scarifying for a depth of 150 mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	288			
2	1	157		Prescribed density tests on filling	H3	0			
2	1	157	17	Allow for compaction tests to be carried out by a Consulting Engineer's laboratory and deliver the results to the Principal Agent within 24 hours of the tests being completed	No	21			
2	1	157		PROTECTION AGAINST TERMITES	H1	0			
2	1	157		Soil insecticide	H1	0			
2	1	157	18	Under floors, etc including forming and poisoning shallow furrows against foundation wall, etc and filling in furrows and ramming	m2	288			
2	1	157	19	To bottoms and sides of trenches, etc	m2	425			
2	1	157		UNREINFORCED CONCRETE	H2	0			
2	1	157		25 Mpa/19 mm concrete	H3	0			
2	1	157	20	Steps	m3	1			
2	1	157	21	Ramps	m3	1			

2	1	159	39	Sides of beams and slabs	m2	19		
2	1	159		REINFORCEMENT	H2	0		
2	1	159		Fabric reinforcement	H3	0		
2	1	159	40	Ref 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	26		
2	1	159	41	Ref 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	365		
2	1	159	42	Ref 617 fabric reinforcement vertically in concrete filled hollow walls (concrete and wall elsewhere measured)	m2	37		
2	1	160		High steel reinforcement to structural concrete work:	H3	0		
2	1	160	43	10 mm Diameter bars	t	0.1		
2	1	160	44	12 mm Diameter bars	t	0.1		
2	1	160	45	16 mm Diameter bars	t	0.06		
2	1	160	46	20 mm Diameter bars	t	0.06		
2	1	160		FOUNDATION BLOCKWORK	H2	0		
2	1	160		Blockwork (minimum 7MPa) in class II mortar	H3	0		
2	1	160	47	90 mm Walls	m2	30		
2	1	160	48	190 mm Walls	m2	177		
2	1	160	49	Extra over 190 mm block wall for 90 mm	m2	18		
2	1	160	50	Extra over 190 mm walls for 190 x 190 mm attached stiffener piers	m	18		
2	1	160		MOVEMENT JOINTS, ETC.	H2	0		
2	1	160	51	12 mm Bitumen impregnated fibre board built in vertically through block walls	m2	14		
2	1	160		Saw-cut joints:	H3	0		
2	1	160	52	3 x 40 mm Saw-cut joints in top of concrete	m	119		
2	1	160		Blockwork reinforcement	H3	0		
2	1	160	53	75 mm Wide reinforcement built in horizontally	m	10		
2	1	160	54	150 mm Wide reinforcement built in horizontally	m	1483		
2	1	160		High tensile steel rod reinforcement	H3	0		
2	1	160	55	12 mm Diameter rods in reinforcing blockwork, etc	t	0.076		
2	1	160		Internal plaster	H3	0		
2	1	161		One coat 15 mm thick cement plaster (4:1) on blockwork finished with a wood float	H3	0		
2	1	161	56	In pit walls	m2	47		
2	1	161		External plaster	H3	0		
2	1	161		One coat 15 mm thick cement plaster (4:1) on blockwork finished with a wood float	H3	0		
2	1	161	57	In walls	m2	73		

2	2	163	SECTION NO. 2	H1	0	
			BILL NO. 2			
			CONCRETE FORMWORK AND REINFORCEMENT			
2	2	163	PREAMBLES	H2	0	
2	2	163	For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0	
2	2	163	SUPPLEMENTARY PREAMBLES	H2	0	
2	2	163	Cost of tests:	H3	0	
2	2	163	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).		0	
2	2	163	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES	H2	0	
2	2	163	20MPa/19 mm Stone mass concrete	H3	0	
2	2	163	1 Filling to holes of 190 mm blockwork	m3	5	
2	2	163	REINFORCEMENT	H2	0	
2	2	163	High steel reinforcement to structural concrete work:	H3	0	
2	2	163	2 12 mm Diameter rods in reinforcing blockwork, etc	t	0.18	
2	2	163	MOVEMENT JOINTS, ETC.	H2	0	
2	2	164	Isolation joints with 10mm bitumen impregnated softboard between vertical concrete and brick surfaces:	H3	0	
2	2	164	3 Not exceeding 300mm high to edges of surface beds	m	198	
2	3	166	SECTION NO. 2	H1	0	
			BILL NO. 3			
			PRECAST CONCRETE			
2	3	166	PREAMBLES	H2	0	
2	3	166	For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0	
2	3	166	SUPPLEMENTARY PREAMBLES	H1	0	
			Sizes:			
2	3	166	Blocks, sills, etc. measured linear shall be made in suitable lengths. Large size setting out drawings shall be prepared where necessary and submitted to the Architect for approval before moulds are made.		0	
			General:			
			Where kerbstones, blocks, etc. are laid in ground, descriptions shall be deemed to include necessary excavation, filling in and ramming.			
2	3	166	WINBLOCK:	H1	0	
			Winblock precast vibrated cement concrete (30 Mpa) window surrounds finished smooth from the mould on exposed surfaces, built into blockwork as the work proceeds, bedded and			

				jointed in 4:1 cement mortar and pointed with ruled vertical and horizontal joints on both sites (glazing and vents elsewhere measured)				
2	3	166		Note: Prices are to include for building in surrounds as single units or in combinations of two or more units to the required patterns		0		
2	3	167	1	Type WB66-190 window surround size 590 x 590 mm high	No	140		
2	3	167	2	Ditto but size 390 x 590 mm high	No	46		
2	3	167		DOOR FRAMES	H1	0		
2	3	167		Standard "Betcrete" or equal and approved polymer concrete door frame built into 190 mm blockwall complete with hinges, strike plate, etc	H3	0		
2	3	167	3	Frame suitable for single door size 813 x 2032 mm high	No	12		
2	3	167	4	Frame suitable for single door size 950 x 2032 mm high	No	1		
2	3	167	5	Frame suitable for double door size 1613 x 2032 mm high	No	3		
2	4	169		SECTION NO. 2	H1	0		
				BILL NO. 4				
2	4	169		MASONRY	H1	0		
2	4	169		PREAMBLES	H2	0		
2	4	169		For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0		
2	4	169		SUPPLEMENTARY PREAMBLES	H2	0		
2	4	169		BLOCKWORK	H2	0		
2	4	169		Concrete masonry units	H3	0		
2	4	169		Blocks are to be either solid or hollow modular dense concrete masonry units having a compressive strength of 7 MPa		0		
2	4	169		Wall ties for blockwork	H3	0		
2	4	169		Wall ties shall be polypropylene "Permaties" complying with BS 76377. Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the blockwork. Ties are to be spaced at intervals of not more than 1m in the horizontal direction and not more than 400mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other		0		
2	4	169		Blockwork	H3	0		
2	4	169		All Blockwork shall comply with the Concrete Manufacturers Association "Masonry Manual 2011" ninth edition		0		
2	4	169		Surfaces to be plastered shall have joints raked out to a depth of at least 10mm to provide a key. Cavities of hollow walls shall be kept free of mortar droppings or other undesirable matter. Every second perpend of the bottom course of the external skin of hollow walls shall be left open as a weep hole		0		
2	4	170		Standard complementary blocks	H3	0		
2	4	170		Descriptions of blockwork shall be deemed to include standard complementary blocks such as corner, three-quarter, half and quarter blocks required in the construction of corners, reveals, jambs, ends, etc to solid and hollow walls and for bonding as necessary		0		
2	4	170		DECORATIVE BLOCKS	H2	0		
2	4	170		Blocks shall be of approved manufacture, sound, well burnt or cured and uniform and true in size, shape and colour		0		
2	4	170		SAMPLES	H2	0		

2	4	170	Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site		0	
2	4	170	SUPERSTRUCTURE	H2	0	
2	4	170	Blockwork in class II cement mortar	H3	0	
2	4	170	1 90 mm Walls	m2	24	
2	4	170	2 90 x 90 x 190 mm Solid wall in beamfilling	m2	38	
2	4	170	3 190 mm Wide sill of 90 mm quarter block set sloping and slightly projecting and pointed on top and front edge	m	33	
2	4	170	4 190 mm Wide lintel U-blocks filled with and including 25 MPa 19 mm concrete and two bars of Y12 steel reinforcing bar embedded in concrete	m	44	
2	4	170	5 190 mm Wide ring beam U-blocks filled with and including 25 MPa 19 mm concrete and two bars of Y12 steel reinforcing bar embedded in concrete	m	73	
2	4	170	6 190 mm Walls	m2	490	
2	4	170	BLOCKWORK SUNDRIES	H2	0	
2	4	171	Joint forming material in movements joints	H3	0	
2	4	171	7 12 mm Bitumen impregnated soft board built in vertically between block skins	m2	39	
2	4	171	Turning pieces	H3	0	
2	4	171	8 190 mm wide turning piece to lintels, etc	m	10	
2	4	171	Air Bricks	H3	0	
2	4	171	9 225 x 150 mm High approved Terra Cotta louvred air gratings, covered on back with mosquito gauze and building into existing 190 mm block wall, including forming straight flue through wall with fair cut flat arch over, and with sides rendered in (3:1) cement mortar	No	12	
2	4	171	Blockwork reinforcement	H3	0	
2	4	171	10 75 mm Wide reinforcement built in horizontally	m	72	
2	4	171	11 150 mm Wide reinforcement built in horizontally	m	1083	
2	4	171	Galvanised hoop iron cramps, ties etc	H3	0	
2	4	171	12 38 x 1.6 mm Roof tie 1.80 m long with one end fixed to timber and other end built into blockwork	No	84	

2	5	173	SECTION. 2	H1	0		
			BILL NO. 5				
2	5	173	WATERPROOFING	H1	0		
2	5	173	PREAMBLES	H2	0		
2	5	173	For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0		
2	5	173	SUPPLEMENTARY PREAMBLES	H2	0		
2	5	173	Waterproofing	H3	0		
2	5	173	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs		0		
2	5	173	DAMP-PROOFING OF WALLS AND FLOORS	H2	0		
2	5	173	One layer of 375 micron "Consol Plastics Brickgrip DPC" embossed damp proof course	H3	0		
2	5	173	1 In walls	m2	55		
2	5	173	One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at minimum 150 mm laps with "Gunplas pressure Sensitive tape " and tucked under all dampproof courses	H3	0		
2	5	173	2 Under surface beds	m2	416		
2	5	173	JOINT SEALANTS ETC	H2	0		
2	5	174	Approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc	H3	0		
2	5	174	3 3 x 50 mm In saw cut joints in floors	m	129		
2	5	174	4 12 x 20 mm In expansion joints in floors including raking out expansion joint filler as necessary	m	322		
2	5	174	5 10 x 20 mm In expansion joints in floors including raking out expansion joint filler as necessary	m	208		
2	6	176	SECTION NO. 2	H1	0		
			BILL NO. 6				
			ROOF COVERINGS				
2	6	176	PREAMBLES	H2	0		
2	6	176	For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0		
2	6	176	SUPPLEMENTARY PREAMBLES	H2	0		
2	6	176	Proprietary products in descriptions	H3	0		
2	6	176	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.		0		
2	6	176	Fixing	H3	0		
2	6	176	Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.		0		
2	6	176	Guarantee	H3	0		
2	6	176	The contractor will be required to provide a written guarantee, stating that :		0		

				1. The roof sheeting is of the specified thickness.				
				2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.				
2	6	176		STEEL ROOF SHEETING AND ACCESSORIES	H2	0		
2	6	177		0,6 mm "IBR 686" Galvanized roof sheets with chromadek finish to one side in continuous lengths fixed to timber purlins (elsewhere measured) with 0.6 mm galvanized steel accessories with chromadek finish to one side all in strict accordance with the manufacturers instructions	H3	0		
2	6	177	1	Roof covering with pitch not exceeding 25 degrees	m2	450		
2	6	177	2	Ridge capping 462 mm girth bent on site to suit angle of roof slope	m	26		
2	6	177	3	Headwall flashing 462 mm girth	m	26		
2	6	177	4	Counter flashing 185 mm girth	m	26		
2	6	177	5	Ridge finial to end of ridge capping fixed with galvanized steel verandah bolt	No	2		
2	6	177	6	Moulded narrow flute polyclosers with serrated closers to suite IBR profile	m	78		
2	6	177	7	Broad flute polyclosers with serrated closers to suite IBR profile	m	78		
2	6	177		ROOF AND WALL INSULATION	H2	0		
2	6	177		"Sisalation 420" heavy industrial grade aluminium foil based insulation	H3	0		
2	6	177	8	Insulation laid taut over steel purlins (at approximately 1400 mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	450		
2	7	179		SECTION NO. 2	H1	0		
				BILL NO. 7				
2	7	179		CARPENTRY AND JOINERY	H1	0		
2	7	179		PREAMBLES	H2	0		
2	7	179		For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0		
2	7	179		SUPPLEMENTARY PREAMBLES	H2	0		
2	7	179		Proprietary products in descriptions	H3	0		
2	7	179		Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.		0		
2	7	179		Roof trusses	H3	0		
2	7	179		The truss system shall be designed by an Engineer and the Contractor shall complete and submit a certificate of confirmation. This certificate will state that the trusses have been designed, manufactured and erected in accordance with the relevant SABS code. The details of the registered engineer certifying this will appear on the certificate.		0		
2	7	179		Joinery	H3	0		
2	7	179		Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc.		0		

2	7	179	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.		0			
2	7	179	Fixing	H3	0			
2	7	179	All nailing of timber roof trusses, purlins, etc. shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.		0			
2	7	180	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.		0			
2	7	180	Where items are described as "bolted" the bolts have been measured elsewhere.		0			
2	7	180	ROOFS, ETC	H2	0			
2	7	180	Gangnail Roof Trusses	H2	0			
2	7	180	The following trusses shall be "Gangnail" or similar approved engineering designed roof trusses manufactured from sawn softwood and suitable for corrugated iron covering and gypsum plasterboard ceilings on 38 x 50mm softwood bracing	H3	0			
2	7	180	NOTE : The contractor will be required to provide a certificate of approval signed by a registered engineer certifying that the trusses have been designed, manufactured and installed in accordance with the relevant SABS specifications		0			
2	7	180	1 Double pitched roof truss 11 607 mm span between wallplates to 17.5 degrees pitch with 600 mm eaves overhang both ends	No	26			
2	7	180	1 Single pitched roof truss 3 690 mm span between wallplates to 7.5 degrees pitch with 600 mm eaves overhang both ends	No	26			
2	7	180	Sawn softwood grade 4	H3	0			
2	7	180	2 38 x 114 mm Wall plates	m	130			
2	7	180	3 38 x 76 mm Runners	m	150			
2	7	180	4 38 x 114 mm Bracing	m	200			
2	7	180	5 50 x 76 mm Purlins	m	661			
2	7	180	Sundries	H3	0			
2	7	180	6 Hurricane clip between truss and windbracing	No	200			
2	7	180	7 Hurricane clip between truss and purlin	No	434			
2	7	180	EAVES, VERGES, ETC	H2	0			
2	7	181	"Everite Nutec" pressed fibre-cement	H3	0			
2	7	181	8 15 x 225 mm Fascia boards including galvanised steel H-profile jointing strips and bolting to steel angle irons and purlins (elsewhere measured) at maximum 900 mm centres	m	100			
2	7	181	9 80 x 200 mm Everite Nutec medium density plain finish or similar approved barge board fixed to roof timbers including Chromaprep steel H-profile jointing strips, screws, holes, etc.	m	54			
2	7	181	DOORS, ETC	H2	0			
2	7	181	Wrought meranti doors hung to steel frames:	H3	0			
2	7	181	10 44 mm Framed batten door 813 x 2032 mm high of top rail and stiles, middle ledge and braces and bottom rail filled in with V-jointed one side boarding.	No	8			
2	7	181	11 44 mm Framed, ledged and braced batten double door size 1 613 x 2 032 mm high formed of 44 x 108 mm top rail and stiles, 16 x 144 mm middle rail, 16 x 108 mm bracing and 22 x 220 mm bottom rail with and including 6 mm thick hardwood veneered 3 Ply flush panel internally to match door let into and including rebates all round	No	3			

2	7	181		Semi-solid core flush panel doors with commercial veneer and two concealed hardwood edge strips hung to steel frames	H3	0			
2	7	181	12	40 mm Door size 813 x 2032 mm high	No	4			
2	7	181		SKIRTINGS	H2	0			
2	7	181		Wrought meranti	H3	0			
2	7	181	13	19 x 69 mm Angle rounded skirting including 19 mm quadrant bead planted on	m	153			
2	7	181		BEADS, ARCHITRAVES, ETC	H2	0			
2	7	181		Wrought meranti	H3	0			
2	7	181	14	44 x 70 mm Splayed and rebated weatherboard screwed to door	m	8			
2	8	183		SECTION NO. 2	H1	0			
				BILL NO. 8					
2	8	183		CEILINGS, PARTITIONS AND ACCESS FLOORING	H1	0			
2	8	183		PREAMBLES	H2	0			
2	8	183		For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0			
2	8	183		SUPPLEMENTARY PREAMBLES	H2	0			
2	8	183		Descriptions:	H3	0			
2	8	183		Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete		0			
2	8	183		Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere		0			
2	8	183		CEILINGS, ETC	H2	0			
2	8	183		NAILED UP CEILINGS	H2	0			
2	8	183		Everite Nutek Fibre cement ceiling	H3	0			
2	8	183	1	4 mm "Everite Nutek" fibre-cement board ceiling to and including 38 x 50 mm sawn softwood brandlering spaced at 400 mm centres in one direction only with additional brandlering at outer edges of rooms and including H-profile pressed cover strips over joints	m2	400			
2	8	183	2	Extra over ceiling for 600 x 600 mm trap door including framing	No	4			
2	8	184		"Rhino" gypsum plasterboard cornices	H3	0			
2	8	184	3	75 mm Coved cornices	m	158			
2	9	186		SECTION NO. 2	H2	0			
				BILL NO. 9					
2	9	186		FLOOR COVERINGS, WALL LININGS, ETC.	H2	0			
2	9	186		PREAMBLES	H2	0			
2	9	186		For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0			
2	9	186		NOTE :	H2	0			
2	9	186		All materials shall be in colours to be selected by the Representative/Agent and, where applicable, laid to approved patterns.		0			

2	9	186	FLOOR COVERINGS	H2	0		
2	9	186	300 x 300 x 2,5 mm Thick semi-flexible vinyl floor tiles laid in two colour pattern fixed with an appropriate adhesive in strict accordance with manufacturers instructions:	H3	0		
2	9	186	1 On floors	m2	400		
2	9	186	2 Ditto but to treads and risers of steps	m2	1		
2	9	186	POLISH, SEALERS, ETC	H2	0		
2	9	186	3 Strip and seal new vinyl flooring with two coats "Wetrock" or other equal and approved sealer in strict accordance with the manufacturers specification	m2	400		
2	9	186	Sundries	H3	0		
2	9	186	4 Genesis NRA 455 retro fit stair nosing system, size 45 mm wide x 30 mm downstand lip, fixed in strict accordance with the manufacturers instructions	m	16		
2	9	186	5 30 x 30 mm Anodised aluminium or other approved movement joint cover strip screwed to plastered block walls	m	24		
2	9	187	6 50 mm Anodised aluminium or other approved movement joint cover strip screwed to plastered block walls	m	35		
2	10	189	SECTION NO. 2	H1	0		
2	10	189	BILL NO. 10				
2	10	189	IRONMONGERY	H1	0		
2	10	189	PREAMBLES	H2	0		
2	10	189	For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0		
2	10	189	SUPPLEMENTARY PREAMBLES	H2	0		
2	10	189	Finishes to ironmongery	H3	0		
2	10	189	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:		0		
			B5 Satin bronze lacquered CH Chromium plated				
			SC Satin chromium plated				
			SE Silver enamelled				
			GE Grey enamelled				
			AS Anodised silver				
			AB Anodised bronze				
			AG Anodised gold				
			ABL Anodised black				
			PB Polished brass				
			PL Polished and lacquered				
			PT Epoxy coated				
			SD Sanded				
2	10	189	IRONMONGERY FIXED TO DOORS, ETC.	H2	0		
2	10	189	Bolts, Hinges, etc:	H3	0		
2	10	189	1 150 mm GS Pad bolt	No	6		
2	10	189	2 Flush bolt 150 mm long, Union 8052-150NP	No	2		
2	10	189	3 "UN33500600" 50 mm Padlock	No	6		
2	10	189	CATCHES, CABIN HOOKS, ETC	H3	0		
2	10	190	Union	H3	0		
2	10	190	4 100 mm Satin chrome cabin hook and eye including 70 x 70 x 20 mm chamfered hardwood block twice oiled and plugged	No	2		

2	10	190	Locks and Latches, etc	H3	0			
2	10	190	5 Union CB682-24SCL2277-78SC three lever lockset	No	7			
2	10	190	6 "Union" CB682-24SC/L2277-78SC three lever lockset with rebated conversion kit	No	1			
2	10	190	DOOR CLOSERS	H2	0			
2	10	190	7 TS73V EN 2-4 variable spring strength regular arm door closer.	No	1			
2	10	190	Sundries	H3	0			
2	10	190	8 Union CZ8731SC door stop	No	12			
2	10	190	NUMERAL AND NAMEPLATES, ETC.	H2	0			
2	10	190	Clear perspex name plate reverse engraved and enamelled in white lettering 25mm high to suit, twice countersunk holed for and tapscrewed to steel door frames or gate framing with chromium plated dome-headed selftapping screws:	H3	0			
2	10	190	9 3 mm Thick x 32 mm high plate with letters "OFFICE"	No	1			
2	10	190	10 Ditto, but with letters "KITCHEN"	No	1			
2	10	190	Indicator plates countersunk holed for and screwed to door or brickwork with chromium plated dome-headed screws:	H3	0			
2	10	190	11 DSS-130 Stainless steel 150 x 150mm Male/Female sign	m	3			
2	10	190	12 DSS-133 Stainless steel 150 x 150mm Disabled Persons sign	No	1			
2	10	190	Chairman Industries or similar approved brushed stainless steel grab rails:	H3	0			
2	10	190	13 32 mm Diameter code DL3 side grab rail, plugged	No	1			
2	10	191	14 32 mm Diameter code SL2 rear grab rail, plugged	No	1			
2	10	191	15 SR3 Stainless steel pull handle fixed to steel doors	No	2			
2	10	191	BATHROOM FITTINGS	H2	0			
2	10	191	Toilet roll holders	H3	0			
2	10	191	16 Lockable Stainless steel toilet roll holder plugged to wall	No	4			
2	10	191	PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC.	H2	0			
2	10	191	Carpet pinning boards in aluminium frame with round plastic corners, pen tray and fixing component all fixed according to manufacturer's instruction.	H3	0			
2	10	191	17 Pinning board size 1200 x 1200 mm high plugged	No	1			
2	11	193	SECTION NO. 2	H1	0			
			BILL NO. 11					
			METALWORK					
2	11	193	PREAMBLES	H2	0			
2	11	193	For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0			
2	11	193	SUPPLEMENTARY PREAMBLES	H2	0			
2	11	193	Descriptions	H3	0			

2	11	193	Descriptions of bolts shall be deemed to include nuts and washers		0	
2	11	193	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork of concrete		0	
2	11	193	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described		0	
2	11	193	DIVIDING STRIPS	H2	0	
2	11	193	Brass	H3	0	
2	11	193	1 3 x 57 mm Dividing strip cut to lengths and bedded on edge in door openings including forming groove in top of concrete	m	6	
2	11	193	WINVENTS	H2	0	
2	11	194	Natural Anodised Aluminium top hung "Winvent" windows with two powder coated galvanised 8 mm square burglar bars factory fitted to Winvent with and including glazing with 6.38 mm clear laminated safety glass, including fixing Winvent to Winblock with non ascetic silicone all in accordance with manufacturers instructions	H3	0	
2	11	194	2 Window type WBA 66TB size 590 x 590 mm high	No	46	
2	11	194	3 Ditto but with obscure glazing	No	6	
2	11	194	4 Ditto but window size 390 x 590 mm high	m	20	
2	11	194	Natural Anodised Aluminium fixed frame "Winvent" windows with and including glazing with 6.38 mm clear laminated safety glass, including fixing Winvent to Winblock with non ascetic silicone all in accordance with manufacturers instructions	H3	0	
2	11	194	5 Window type WVA 66TB size 590 x 590 mm high	No	26	
2	11	194	6 Ditto but to window size 390 x 590 mm high	m	26	
2	11	194	HOT DIPPED GALVANISED PRESSED STEEL DOOR FRAMES, DOORS, ETC	H2	0	
2	11	194	Doors:	H3	0	
2	11	194	7 Durowin or other approved standard hot dipped galvanised steel door size 813 x 2032 mm high	No	6	
2	11	194	8 Ditto but size 950 x 2032 mm high	No	1	
2	11	194	Gates, etc	H3	0	
2	11	194	9 Single gate 800 x 1860 mm high of 40 x 40 x 2,5 mm hollow section frame and middle rail, with 12 mm diameter vertical infill bars welded to frame at 70 mm centers all fixed complete to block walls as per attached door schedule	No	3	
2	11	194	10 Ditto but double gate size 1800 x 2100 mm high	No	3	
2	12	196	SECTION NO. 2	H2	0	
			BILL NO. 12			
2	12	196	PLASTERING	H2	0	
2	12	196	PREAMBLES	H2	0	
2	12	196	For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0	
2	12	196	SCREEDS	H2	0	
2	12	196	Screeds on concrete	H3	0	
2	12	196	1:3 Cement plaster screeds steel trowelled on concrete	H3	0	

2	12	196	1	30 mm Thick on floors and landings	m2	400	
2	12	196		INTERNAL PLASTER	H2	0	
2	12	196		One coat 15 mm thick cement plaster (4:1) on blockwork finished with a wood float	H3	0	
2	12	196	2	On walls	m2	720	
2	12	196	3	On narrow widths	m2	4	
2	12	196		EXTERNAL PLASTER	H2	0	
2	12	196		One coat 15 mm thick cement plaster (4:1) on blockwork finished with a wood float	H3	0	
2	12	196	4	On walls	m2	453	
2	12	196	5	150 mm wide plaster band around openings	m	193	
2	13	197		SECTION NO. 2	H1	0	
				BILL NO. 13			
2	13	197		PLUMBING AND DRAINAGE	H1	0	
2	13	197		PREAMBLES	H2	0	
2	13	197		For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0	
2	13	197		RAINWATER DISPOSAL	H2	0	
2	13	197		0,8 mm Galvanized steel rainwater goods with chromadek finish to one side fixed to and including 150 x 170 x 20 mm thick galvanized steel brackets fixed to fibre cement fascia boards at maximum 900 mm centres all in strict accordance with the manufacturers instructions	H3	0	
2	13	197	1	150 x 125 x 150 mm VHV eaves gutter	m	100	
2	13	197	2	Extra over eaves gutter for stopped end	No	12	
2	13	197	3	Extra over eaves gutter for outlet with nozzle for and joint to 100 x 75 mm rainwater downpipe including domical grating	No	9	
2	13	197	4	100 x 100 mm Rainwater downpipes with and including holderbats at maximum 1500 mm centres	m	20	
2	13	197	5	Extra over rainwater downpipe for eaves offset with 450 mm projection	No	2	
2	13	197	6	Ditto, but eaves offset with 610 mm projection	No	4	
2	13	197	7	Extra over rainwater pipe for shoe	No	6	
2	13	197		FIRE SERVICE	H2	0	
2	13	198		Sundries	H3	0	
2	13	198	8	4.5 kg Dry chemical powder fire extinguisher for ABC fires in accordance with SABS 810, complete with bracket and screwed to and including 25 x 100 mm wrot meranti backboard 225 mm long plugged to wall	No	2	

74
57
49
180

400

2	13	198	SANITARY FITTINGS	H2	0		
2	13	198	Polyethylene fittings:	H3	0		
2	13	198	uPVC Waste or vent pipes and fittings	H3	0		
2	13	198	9 150 mm Pipe fixed to walls with and including holderbats, etc	m	6		
2	13	198	10 150 mm Galvanised mild steel or other approved whirlybird ventilator fixed to on top of PVC vent pipes	No	2		
2	13	198	Extra for:	H3	0		
2	13	198	11 50 mm bend	No	1		
2	13	198	12 150 mm Bend	No	2		
2	13	198	Sanitary fittings	H3	0		
2	13	198	13 "Atlas Plastics (Code 235 AP)" or equally approved VIP pit pedestal with flap fixed to floors with an approved epoxy or bolted to floors with and including four 6 mm diameter x 50 mm long expansion bolts	No	4		
2	13	198	TRAPS ETC	H2	0		
2	13	198	Traps etc:	H3	0		
2	13	198	14 40 mm Rough brass shallow seal shower "P" trap with FI outlet and chrome plated grating	No	1		
2	13	198	SOIL DRAINAGE	H2	0		
2	13	198	Manholes, gulley traps, etc:	H3	0		
2	13	198	15 450 x 600 mm Type 9D Polymer manhole cover and frame	No	2		
2	13	199	Gratings, covers, etc:	H3	0		
2	13	199	16 Lifting key for manhole cover	No	1		
			16 Provide an amount for the sewerage connection	Item	1	35 000.00	35 000.00
2	14	201	SECTION NO. 2	H1	0		
			BILL NO. 14				
2	14	201	PAINTING	H1	0		
2	14	201	PREAMBLES	H2	0		
2	14	201	For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0		
2	14	201	PAINTWORK, ETC TO NEW WORK	H2	0		
2	14	201	ON FLOATED PLASTER	H2	0		
2	14	201	Prepare and apply "Xypex" or other approved concrete water barrier on:	H3	0		
2	14	201	1 Toilet pit walls	m2	47		
2	14	201	Prepare surface and apply one coat "ABE prime SL" and two coats "ABECOTE 400" high build epoxy enamel or similar approved (colour to architects approval) all in accordance with the manufacturer's instructions:	H3	0		
2	14	201	2 On screeded floors	m2	17		
2	14	201	3 On plastered walls	m2	6		
2	14	201	4 On urinal step and dished channel	m2	1		
2	14	201	Prepare and apply one coat Plascon "Merit plaster primer (UC56)" thinned with 20% mineral turpentine (AZH1) and two coats Plascon Wall and All (WAA)	H3	0		
2	14	201	5 On internal walls	m2	720		

2	14	201	6	Precast concrete windows	m2	93		
2	14	201	7	Precast concrete door frames	m2	15		
2	14	202		Prepare surface and apply one coat plaster primer thinned with 20% mineral turpentine, one coat Micatex and one coat Plascon Wall and All	H3	0		
2	14	202	8	On external walls	m2	456		
2	14	202		Prepare and apply two coats bituminous paint:	H3	0		
2	14	202	9	On backs of window frames door frames, etc. not exceeding 300 mm girth	m	188		
2	14	202		ON FIBRE-CEMENT	H2	0		
2	14	202		Prepare and apply one coat Plascon 'Merit plaster primer (UC56)' thinned with 20% mineral turpentine (AZH1) and two coats Plascon Wall and All (WAA)	H3	0		
2	14	202	10	On fascias and barge boards	m2	37		

2	14	202	11	Ceilings	m2	350		
2	14	202		ON WOOD	H2	0		
2	14	202		Knot, prime, stop and apply one coat Plascon oil wood primer one coat Plascon merit universal undercoat and two coats Plascon Velvagio Polyurethane enamel paint	H3	0		
2	14	202	12	On general surfaces of timbers at eaves, etc	m2	27		
2	14	202		Prepare and apply one coat sanding sealer and two coats polyurethane varnish lightly sanded between coats	H3	0		
2	14	202	13	On doors	m2	18		
2	14	202	14	On skirtings, rails, etc not exceeding 300 mm girth	m	105		
2	14	202		Prepare and apply two coats bituminous paint:	H3	0		
2	14	202	15	Wall plates	m2	18		
2	14	202		ON METAL	H2	0		
2	14	203		Prepare and apply galvanized iron cleaner (GIC1), one coat galvanized iron primer (GIP1) and two finishing coats of Velvagio Satin paint:	H3	0		
2	14	203	16	Doors	m2	20		
2	15	205	1	Foundations	Page	-162-		
2	15	205	2	Concrete, Formwork & Reinforcement	Page	-165-		
2	15	205	3	Precast Concrete	Page	-168-		
2	15	205	4	Masonry	Page	-172-		
2	15	205	5	Waterproofing	Page	-175-		
2	15	205	6	Roof Coverings	Page	-178-		
2	15	205	7	Carpentry & Joinery	Page	-182-		
2	15	205	8	Ceilings, Partitions & Access Flooring	Page	-185-		
2	15	205	9	Floor Coverings	Page	-188-		
2	15	205	10	Ironmongery	Page	-192-		
2	15	205	11	Metalwork	Page	-195-		
2	15	205	12	Plastering	Page	-196-		
2	15	205	13	Plumbing and Drainage	Page	-200-		
2	15	205	14	Paintwork	Page	-204-		
				CARRIED TO COLLECTION				

3	1	206	SECTION NO. 3	H1	0		
3	1	206	BILL NO. 1	H1	0		
3	1	206	EXTERNAL WORKS	H1	0		
3	1	206	PREAMBLES	H2	0		
3	1	206	For Preambles see "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors.		0		
3	1	206	SUPPLEMENTARY PREAMBLES	H2	0		
3	1	206	Nature of ground:	H3	0		
3	1	206	The nature of the ground is assumed to be gravel, therefore earth, but possibly interspersed with soft rock.		0		
3	1	206	Carting away of excavated material:	H3	0		
3	1	206	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.		0		
3	1	206	SITE CLEARANCE, ETC	H2	0		
3	1	206	Site Clearance	H3	0		
3	1	206	1 Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200 mm girth, bush, etc. and cart away	m2	595		
3	1	206	2 Stripping average 200 mm thick layer of topsoil and cart away	m2	636		
3	1	206	BULK EXCAVATION, FILLING, ETC	H2	0		
3	1	207	Open face excavation in earth over sloping site	H3	0		
3	1	207	3 Excavate in earth to open face not exceeding 2 m deep to reduce levels and deposit in spoil dump on site, for use as filling or carting away as necessary (carting away and filling elsewhere measured)	m3	382		
3	1	207	4 Excavate in earth to open face not exceeding 2 m deep to reduce levels and deposit on site as filling (cut and fill) spread, levelled, consolidated in layers not exceeding 300 mm thick and compacted to 93% modified AASHTO density including forming terraces, slopes, banks, cambers, etc.	m3	167		
3	1	207	Extra over bulk excavations in earth for excavation in	H3	0		
3	1	207	5 Soft rock	m3	76		
3	1	207	6 Hard rock	m3	38		
3	1	207	Extra over all excavations for carting away:	H3	0		
3	1	207	7 Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. (Measured nett with no allowance made for bulking).	m3	382		

3	1	207	8	Dig, load and remove filling selected from spoil heaps on site, spread and level within 100m radius over site	m3	119		
3	1	207		FILLING, ETC	H2	0		
3	1	207		Approved earth filling (G7) supplied and carted on to site by the contractor, well watered and compacted in layers not exceeding 150 mm thick to obtain 98% Mod AASHTO density:	H3	0		
3	1	207	9	In platforms	m3	72		
3	1	207		Compaction of surfaces:	H3	0		
3	1	207	10	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m2	438		
3	1	208		Prescribed density tests on filling:	H3	0		
3	1	208	11	Allow for compaction tests to be carried out by a Consulting Engineer's laboratory and deliver the results to the Principal Agent within 24 hours of the tests being completed	No	4		
3	1	208		THE FOLLOWING IN RAMPS, STEPS, CONCRETE PAVING, STORMWATER CHANNELS, ETC	H2	0		
3	1	208		EARTHWORKS	H2	0		
3	1	208		Excavations	H3	0		
3	1	208	12	Excavate in earth to reduce levels under ramps, paving, etc and cart away	m3	5		
3	1	208		Excavation in earth not exceeding 2 m deep	H3	0		
3	1	208	13	Trenches	m3	8		
3	1	208		Extra over trench and hole excavations in earth for excavation in	H3	0		
3	1	208	14	Soft rock	m3	2		
3	1	208	15	Hard rock	m3	1		
3	1	208		Extra over all excavations for carting away	H3	0		
3	1	208	16	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	2		
3	1	208		Compaction of surfaces:	H3	0		
3	1	208	17	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	48		
3	1	208		Risk of collapse of excavations	H3	0		
3	1	208	18	Sides of trench and hole excavations not exceeding 1,5 m deep	m2	21		
3	1	209		Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density	H3	0		
3	1	209	19	Backfilling to trenches, holes, etc	m3	4		
3	1	209	20	Filling under ramps and steps	m3	2		
3	1	209		Filling	H3	0		
3	1	209	21	Approved filling (G7) supplied and carted on to site by the contractor and laid under ramps, steps, pavings, etc. in layers not exceeding 150 mm thick compacted to 93% Mod AASHTO density	m3	24		
3	1	209	22	Scarify in-situ material for a depth of 150 mm and compact to obtain 93% Mod AASHTO density	m2	93		

3	1	209		25 Mpa Concrete (19 mm Stone)	H3	0		
3	1	209	23	Footings	m3	2		
3	1	209	24	In paving and walkways in panels including forming saw cut joints, toggle joints, etc (Panels not exceeding 12 m ²)	m3	7		
3	1	209	25	In ramps	m3	1		
3	1	209	26	In steps	m3	1		
3	1	209		Sundries	H3	0		
3	1	209	27	Extra for floating off smooth tops of paving and walkways laid in panels with a wood float including slightly rounded edges to panels	m2	77		
3	1	209	28	Extra labour and material for thickening out surface bed for an additional depth of 150 mm and average width of 300 mm including all necessary excavation, compaction, formwork, etc	m	6		
3	1	209		Expansion joints, etc	H3	0		
3	1	209	29	12 mm "Flexcell" or other approved filler board in expansion joint between edge of concrete paving and walls in narrow widths not exceeding 150 mm wide including tacking to face of wall	m	92		
3	1	210		Approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc	H3	0		
3	1	210	30	12 x 20 mm in expansion joints in floors including raking out expansion joint filler as necessary	m	92		
3	1	210		Formwork	H3	0		
3	1	210		General formwork	H3	0		
3	1	210	31	Edges, risers, ends and reveals not exceeding 300 mm high or wide	m	76		
3	1	210		REINFORCEMENT	H2	0		
				(CPAP Work Group No. 114 Unless Otherwise Stated)				
3	1	210		Fabric Reinforcement	H3	0		
3	1	210	32	Ref 193 welded steel fabric reinforcement in concrete surface beds including 300 mm wide side and end laps	m2	53		
3	1	210		BRICKWORK	H2	0		
				(CPAP Work Group No. 116 Unless Otherwise Stated)				
3	1	210		Brickwork of NFX bricks	H3	0		
3	1	210		Brickwork in (5:1) cement mortar	H3	0		
3	1	210	33	One brick walls	m2	14		
3	1	210	34	Ditto in foundations	m2	9		
3	1	210		Brickwork reinforcement	H3	0		
3	1	210	35	"Brickforce" or other approved high tensile steel wire welded brick reinforcement 150 mm wide well lapped at all angles and intersections and built into brick walls horizontally	m	69		
3	1	210		FACE BRICKWORK	H2	0		
3	1	211		Provide the Prime Cost sum of R 5000.00 per 1000 bricks for face bricks delivered and off loaded onto site with facings pointed with recessed square and polished horizontal and vertical joints. (The Prime Cost sum is nett. The Contractor is to include for all labour, other materials, profit, etc.)	H3	0		

3	1	211	36	Extra over brickwork for face brickwork	m2	14		
3	1	211		SURFACE DRAINAGE	H2	0		
3	1	211		Precast or in-situ concrete (20 Mpa of 19 mm stone) open stormwater channels having V-shaped waterway formed in top, finished smooth on all exposed surfaces in (3:1) untinted cement plaster trowelled smooth and with angles rounded, cast in suitable lengths, and reinforced as necessary for handling if precast, including all formwork, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in (3:1) cement mortar	H3	0		
3	1	211	37	Channel size 900 x 75 mm thick overall with 900 x 100 mm deep V-shaped waterway	m	91		
3	1	211	38	Extra for angle	No	4		
3	1	211	39	Extra for T-intersection	No	2		
3	1	211	40	Extra for forming 100 mm thick spreader 1500 mm long and fanning out to 1200 mm width at furthest end with seven concrete bricks cast in as brick-on-end diffusers in three rows including floating off concrete to a smooth finish.	No	2		
3	1	211		DRIVEWAY AND PARKING AREA	H2	0		
3	1	211	41	Allow the sum of R50,000.00 for parking and driveway to be measured and rated out in accordance with Bill of Quantities rates	Item	1	50 000.00	50 000.00
3	1	211		Kerb:	H3	0		
3	1	211	42	Precast concrete kerb (SABS Figure 7) bedded, jointed and laid complete including Class B concrete haunching.	m	90		
3	1	211	43	Ditto circular on plan	m	5		
3	1	212	44	Composite precast concrete kerb (SABS 927 Fig 4) size 150 x 250 mm high with one side partially splayed, laid on end adjacent to and including precast channel piece (SABS 927 Fig 14) size 300 x 100 mm high extreme splayed on top all set in and including cement concrete (15Mpa of 19 mm stone) bed and backing 600 mm wide and average 150 mm deep including jointing in 3:1 sand cement mortar, all necessary excavation, backfilling, formwork, etc	m	15		
3	1	212		SECURITY FENCING	H2	0		
3	1	212		Galvanised mild steel security fencing	H3	0		
3	1	212	45	Allow for clearing site for the width of 1000 mm where fencing runs are to be erected including removing trees, shrubs etc. not exceeding 200 mm girth, grubbing up roots and roughly levelling	m	240		
3	1	212	46	Excavate in earth and fill adjacent portion to make up levels under fence line	m3	22		

4	1	215	SECTION NO. 4	H1	0		
4	1	215	BILL NO. 1	H1	0		
4	1	215	PROVISIONAL SUMS	H1	0		
4	1	215	WORK TO BE CARRIED OUT BY SPECIALIST SELECTED OR NOMINATED SUB-CONTRACTORS	H3	0		
4	1	215	The following Amounts are for work to be carried out by Specialists to be Selected/Nominated by the Principal Agent and are each followed by :		0		
			a) An item wherein the Contractor may allow for profit upon the Selected/Nominated Sub-Contractor, if he so desires and				
			b) An item wherein the Contractor may allow for attendance upon the Selected/Nominated Sub-Contractor, if he so desires				
			is				
4	1	215	Note: All Provisional Sums and P.C. Amounts are nett and no Builders Discount is allowed	H3	0		
4	1	215	ELECTRICAL INSTALLATION	H2	0		
4	1	215	1 Provide the amount of R180 000.00 (One Hundred and eighty Thousand Rand) for Electrical Installation.	Item	1	180 000.00	180 000.00
4	1	215	2 Allow for profits if required	Item	1		
4	1	215	3 Allow for attendance	Item	1		
4	1	215	JOINERY FITTINGS	H2	0		
4	1	215	4 Provide the sum of R40 000.00 (Forty Thousand Rand) for Joinery Fittings installed complete (Kitchen)	Item	1	40 000.00	40 000.00
4	1	215	5 Profit on above item	Item	1		
4	1	215	6 Attendance on ditto	Item	1		
4	1	216	COMMUNITY LIAISON OFFICER (CLO) AND PSC SITTINGS	H1	0		
4	1	216	7 Provide the amount of R19 000.00 (nineteen Thousand Rand) to be paid to the CLO for the duration of the contract (R2500.00 per month) and PSC sittings	Item	1	19 000.00	19 000.00
4	1	216	8 Profit on above item	Item	1		
4	1	216	9 Attendance on ditto	Item	1		
4	1	216	CONTINGENCIES	H2	0		
4	1	216	10 Allow the sum of R80 000.00 (Eighty Thousand Rand) for Contingencies to be used or deducted in full at the Representative/Agent's discretion	Item	1	80 000.00	80 000.00
	1	217	11 Allow for the supply of furniture	sum	1	40 000.00	40 000.00
			CARRIED TO COLLECTION				

5	1	218	1	Preliminaries	Page	-153-		
5	1	218	2	Buildings	Page	-205-		
5	1	218	3	External Works	Page	-214-		
5	1	218	4	Provisional Sums	Page	-217-		
5	1	218		Sub-Total	ST			
				ADD: Value Added Tax (14%)	VAT	14		
				CARRIED TO FORM OF TENDER				