

Item	Description	Unit	Quantity	Rate	Amount
	<u>SECTION No. 2</u>				
	<u>BILL No. 1: ALTERATIONS</u>				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	Existing Furniture, Equipment, etc				
	The Contractor shall not remove or damage any furniture, equipment or similar items that belong to the Department except when specifically described in the items to follow: The Contractor must give the Principal Agent sufficient notice if the removal of these items are required before any prescribed alterations can be done				
	Damage to existing finishes				
	The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account				
	Responsibility for site				
	The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above				
	Explosives				
	No explosives whatsoever may be used for demolition purposes unless otherwise stated				
	General				

Item	Description	Unit	Quantity	Rate	Amount
	<p>The Contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum amount of disturbance to adjoining chalets and their guests. He shall provide proper protection of the works and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent</p> <p>"Taking out and removing gates, etc" implies that the door, etc is to be carefully taken down together with the fame, linings, architraves, window sills, etc complete and where brick lintels occur, it must be supported and propped until the openings are built up or new doors or windows built in position</p> <p>Prices for taking out and removing steel sink and towel rails etc.</p> <p>"Making good" implies that all necessary repairs are to be made to reinstate articles that may be damaged through the removal or otherwise, and the supplying of any new materials to match existing work, and is to include any necessary repairs to adjacent finishings such as painting, etc and such making good is to match adjoining work in all respects and in all trades</p> <p>The Contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p>Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs of removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained</p> <p>Removal of asbestos material</p> <p>All preparatory work, alterations, etc., to existing asbestos cement roof sheeting, gutters, rainwater pipes, etc., is to be carried out strictly by an approved and certified specialist company and in accordance with statutory requirements (Occupational Health and Safety Act, 1993 - Asbestos Regulations 2001) and all necessary precautions must be taken when working with and disposing of asbestos cement products and the disposal of waste water resulting from cleaning operations, etc.</p> <p>The following shall apply in respect of asbestos removal</p>				

Item	Description	Unit	Quantity	Rate	Amount
	<p>The removal of asbestos shall be carried out by a certified entity, registered in accordance with the Occupational Health and Safety Act. 1993 and the Asbestos Regulations 2001 Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose</p> <p>Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the Contractor will be held responsible contractually and may further be prosecuted criminally</p> <p>The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in terms for removal of asbestos material. No further claims in this regard will therefore be entertained</p> <p>TEMPORARY BARRIERS, SCREENS, ETC</p> <p>Temporary barriers, screens, etc including removal and allow for re-use</p> <p>SANS approved weld mesh type temporary barrier fencing 1,16m high with shade cloth fixed to and including 100mm diameter gum poles set securely min 300mm deep in ground at max 3m spacing</p>				
1		m	6		
2	Double gate 3 x 1.16m high	No	1		
	REMOVAL OF EXISTING WORK				
	Taking out and removing sundry joinery work, fittings, setting aside or store for re-use etc				
3	Timber sink cupboard 1210 x 510 x 860mm high, including sink and disconnecting waste pipe	No	1		
4	Timber bottom cupboard 1810 x 510 x 860mm high	No	1		
5	Timber bottom corner cupboard 280 x 510 x 860mm high	No	1		
6	Timber bottom cupboard 2750 x 510 x 860mm high	No	1		
7	Timber wall cupboard 2750 x 510 x 600mm high	No	1		
8	Timber wall cupboard 1070 x 270 x 600mm high	No	1		
9	Timber corner wall cupboard 520 x 270 x 600mm high	No	1		

Item	Description	Unit	Quantity	Rate	Amount
10	Timber corner wall cupboard 780 x 270 x 600mm high	No	1		
11	Timber Counter 2830 x 600mm	No	1		
12	Timber Counter 1820 x 610mm	No	1		
13	Timber Counter 610 x 610mm	No	1		
14	Timber Built in wardrobe 1900 x 650 x 2560mm high	No	3		
15	Timber Skirting	m	98		
	Taking out and removing sanitary fittings, toilets, basins, bathup, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork elsewhere)				
16	Vitreous china wash hand basin	No	2		
17	Vitreous china WC pan with cistern and flush pipe	No	3		
18	Vitreous china bath tub with waste outlet	No	1		
19	Soap holder	No	2		
	<u>Taking out and removing sanitary fittings, etc</u>				
	Tap, Valves ETC.				
20	Chromium plated sink mixer	No	1		
21	Chromium plated bath mixer	No	1		
22	Chromium plated shower mixer with riser pipe, arm and shower head	No	1		
23	Chromium plated basin mixer	No	2		
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc completely				
24	Roof trusses	m	302		
25	Existing damaged purlins.	m	305		
26	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	165		
27	Fascia boards and fittings	m	55		
28	Barge boards and fittings	m	52		
29	Asbestos rainwater gutters and fittings	m	44		
30	Asbestos rainwater downpipes and fittings	m	21		
31	Asbestos roof (measured on floor plan)	m ²	348		

Item	Description	Unit	Quantity	Rate	Amount
	Taking out and removing doors, windows, etc, including thresholds, sills, etc (building up openings and making good finishes elsewhere)				
32	Timber single door and frame not exceeding 2,5m ²	No	13		
33	Glazed timber window not exceeding 2,5m ²	No	2		
34	Glazed steel window not exceeding 2,5m ²	No	16		
35	Glazed timber window exceeding 2,5m ² and not exceeding 5m ²	No	2		
36	Roller shutter door 2670 x 2340mm high	No	2		
37	Issue of certificate of compliance by registered AIA appointed by your asbestos disposal and removal subcontractor for the safe removal of asbestos contained products before any work on site commences (Please note : should no value be allowed against this item, it will be deemed to form part of the OHS costs in the Preliminaries)	Item	1		
	Taking out and removing floor coverings, etc				
38	Plastic PVC Tile floor covering including preparing screed for new porcelain floor tiles.	m ²	110		
39	Ceramic tile floor covering including preparing screed for new porcelain floor tiles (elsewhere measured)	m ²	4		
40	Ceramic wall tiles including preparing wall for new porcelain wall tiles (elsewhere measured)	m ²	15		
	Taking out and removing ironmongery				
41	Mortice lockset from timber door	No	2		
42	Toilet paper holder from wall	No	3		
43	Curtain rail 100 x 1640mm long from wall	No	5		
44	Curtain rail 100 x 1170mm long from wall	No	2		
45	Curtain rail 100 x 2510mm long from wall	No	2		
	Taking out/off and removing glass and mirrors				
46	Mirror 450 x 450mm high from wall	No	1		
	SERVICING, REPAIRING, CLEANING, ETC				
47	Overhaul, adjust, service and replace hinges, stays, handles, etc to ensure proper operation to existing steel windows. (PROVISIONAL).	No	22		
48	Electrical fan mounted on ceiling board.	No	3		

Item	Description	Unit	Quantity	Rate	Amount
49	Geyser.	No	2		
50	External JoJo tank system to ensure proper functioning.	No	3		
51	External front perimeter fence and gate .	Item	1		
	MAKING GOOD OF FINISHES, ETC.				
	Making good internal cement plaster:				
52	Walls in patches and narrow widths. (PROVISIONAL).	m2	5		
	Works cleaning and clearing:				
	Before commencing, the contractor shall remove from site all old materials, rubble, etc, except where specifically				
53	described as being set aside for re-use.	Item	1		
	The contractor shall leave the works (including the work in the previous contract) in a clean and satisfactory state for				
54	use and occupation in terms of the agreement.	Item	1		
	Carried to Section No. 2 Summary				
	<u>BILL No. 2</u>				
	<u>ROOF COVERINGS ETC.</u>				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	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.				
	Fixing:				
	Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.				
	Guarantee:				
	The contractor will be required to provide a written guarantee, stating that :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.				
	Pricing:				

Item	Description	Unit	Quantity	Rate	Amount
	Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).				
	ROOF COVERING AND ACCESSORIES				
	Chromadek (10.5) corrugated 0,8mm thick ISOQ230, Z275 spelter galvanised steel roof sheeting with chromadek finish to one side and protective primer coating on reverse side, colour to be dove grey, fixed to timber purlins (elsewhere measured), all in accordance with manufacturer's recommendations and specifications:				
1	Roof covering with pitch not exceeding 25 degrees.	m ²	348		
2	Ridges to match roofing sheeting (measured net).	m	25		
	Carried to Section No. 2 Summary				
	<u>BILL No. 3</u>				
	<u>CARPENTRY AND JOINERY</u>				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	ROOFS ETC				
	MONOPLANAR PREFABRICATED METAL CONNECTED TIMBER ROOF TRUSSES				
	All trusses to be fabricated in a factory by a truss fabricator who holds a current Certificate of Competence awarded by the Institute for Timber Construction TR1 & TR2 Certificates are to be issued for each Block before occupation may take place				
	PREFABRICATED ROOF TRUSSES HAVING A PITCH NOT EXCEEDING 25 DEGREES				
	NOTE: All timber roof trusses including nail-plated trusses and bolted trusses with lapped members must comply with SABS 0243 : THE DESIGN, MANUFACTURE AND ERECTION OF TIMBER TRUSSES				
	Prices for roof trusses are to include for all temporary bracing and supports and for all necessary top and bottom chord bracing, wind bracing and runners where required and TR1 and TR2 Certificates				

Item	Description	Unit	Quantity	Rate	Amount
	<p>TIMBER</p> <p>Timber for trusses to be South African softwood structural timber and shall be at least of grade 4 and in accordance with SABS Specification No.'s 563 or 1245 or laminated timber in accordance with SABS 1460</p> <p>METAL CONNECTOR PLATES</p> <p>Metal truss connector plates shall be made from galvanised steel of at least 1mm nominal thickness, with a minimum yield strength of 250MPa and a minimum ultimate tensile strength of 330MPa. The corrosion resisting coating shall be 0,275Kg/m2 commercial class hot dipped galvanising The connector plates shall have been tested by the CSIR and be a size capable of transmitting the forces between the members of a truss without exceeding the design values given in the CSIR report</p> <p>BOLTS</p> <p>Bolts shall be to BS 4190 or SABS 135 with appropriate washers. (See below)</p> <p>WASHERS</p> <p>Square or round washers of the following minimum dimensions shall be used with all bolts: WASHER DIMENSIONS Bolts Size Width (mm) Thickness up to M8 25 2,5 up to M12</p> <p>SHEAR PLATES, TOOTH CONNECTORS AND SPLIT RINGS</p> <p>These shall be as specified in BS 1579 and installed in accordance with the CSIR Publication : HOUT 468, "The Design, Manufacture and Erection of Timber Trusses".</p> <p>NAILS</p> <p>These shall be in accordance with SABS 820 : 1974</p> <p>TRUSS CONSTRUCTION</p> <p>The trusses shall be constructed to ensure the correct profile, overhangs and cambers All joints are to be close fitting butt joints made by precision pressing of the metal connector plates into each side of the joint</p> <p>TRUSS DESIGN</p> <p>All trusses shall be designed by a registered Professional Engineer employed by the Contractor in accordance with the SABS Code of Practice for the Design of Timber Structures SABS 0163 and the Code of Practice for General Procedures and Loadings SABS 0160</p>				

Item	Description	Unit	Quantity	Rate	Amount
	<p>TRUSS SPACING</p> <p>The truss centres shall be less than or equal to that described in the Bills for each respective truss type</p> <p>DRAWINGS</p> <p>Prints shall be provided to the consulting engineer/ architect for approval. These drawings shall be signed by a Professional Engineer. The following minimum information shall be supplied: * Details of the roof system with the positions of all trusses and beams clearly indicated * Bracing details * All truss details, including valley trusses where applicable, with the following clearly detailed:- -- All member sizes and grades- Connector plate sizes for all truss joints. Code numbers are deemed sufficient * All connection and hold down details between trusses, girders, beams and supports * The type of roof covering, ceiling and any other loads taken into account in the design</p> <p>The dimensions in the descriptions of trusses are nominal and verification measurements are to be obtained from site before design or fabrication commences, and must be designed in accordance with the environmental conditions of the area</p> <p>GENERAL</p> <p>The following schedule of prices includes all timber of the required grade and type shown on the designs, all cutting and waste, cutting to exact length and end angles necessary to manufacture the respective truss types, the supply of all connector plates, fabrication of the trusses, checking the completed truss for quality, as well as loading, transporting to the site and offloading. The trusses must be suitable stored and protected on site as directed by the Secretary or his Representative</p> <p>ERECTION</p> <p>The trusses are to be hoisted and erected strictly in accordance with the procedures and recommendations of the Manual "The Erection and Bracing of Timber Roof Trusses" published by the Institute for Timber Construction and the Council for Scientific and Industrial Research of as detailed by the designer of the SABS Code of Practice: "The Design, Manufacture and Erection of Timber Roof Trusses"</p> <p>TRUSS LOADING</p>				

Item	Description	Unit	Quantity	Rate	Amount
	<p>The trusses shall be designed for:* Roof Cover: 0,80mm Metal roof sheeting* Max Purlin centres: 750mm * Ceilings: Plasterboard ceilings * Overhang: Min 600mm</p> <p>TRUSSES</p> <p>a. All the roof trusses to be at average 950mm centres and constructed for approximable 18deg pitch unless otherwise stated b. All the roof trusses to be designed and constructed with softwood structural timber to include for live loads, wind loads and to take corrugated roof covering, purlins and fibre cement or plasterboard ceilings with branderling. Each roof truss shall have all its members accurately cut and close butted together and rigidly fixed by CSIR approved patented galvanized metal spiked connectors, fixed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions c. Unless otherwise described all rafter feet are to extend 600mm beyond the length of the tie beam, with ends twice splay cut d. Upon completion of the contract the Registered Professional Engineer must issue to the Principal Agent a certificate to the effect that the roof has been erected in accordance with his approved design, under his supervision and that the entire roof is structurally stable. The lump sum price of the roof trusses and purlins or battens (bottom purlin or tilting fillet to be wrought) shall include for the design and supervision by a Registered / Professional Engineer and for all necessary runners, overhangs wrought all round and trimmed and splay cut as required, braces, hoisting and fixing, etc.,but shall exclude fixing brackets and hurricane clips, wall plates, fascia, barge boards, roof coverings, purlins, etc. which are all separately measured</p> <p>e. The tenderer's attention is drawn to the fact that the description of the trusses only represents the overall size (fascia to fascia) and not the required design f. Erection must be carried out as described in "The Erection and Bracing of Timber Roof Trusses" published by the Truss Plate Association of South Africa Ltd. and the National Timber Research Institute, CSIR g. Descriptions of roof trusses shall be deemed to include for design, manufacture, supply, hoisting and fixing in position, trimming ends, notching, etc. and for any temporary bracing</p> <p>PREFABRICATED ROOF TRUSSES, ETC.</p> <p>Plate nailed pitched timber roof construction</p> <p><u>Fascias ,etc</u></p> <p>Descriptions of fibre cement fascias and barge board shall be deemed to include for mitres , end junctions ,screws ,bolts, wall anchors , holes , etc .</p>				

Item	Description	Unit	Quantity	Rate	Amount
	<p><u>Door Frames</u></p> <p>Rates for timber door frames shall deemed to include for the approved mild steel stay pegs in floors and homp-iron clamps to walls, including holes, building in, etc .</p> <p><u>PREFABRICATED ROOF TRUSSES, ETC.</u></p> <p>The manufacturer is to be approved by the Project manager and is to be a member of the Truss Plate Association of Southern Africa. He is to certify that all trusses and the total roof structure has been designed by a professional Engineer and, on completion of the roof structure, he is to carry out an inspection and certify to the Employer that the structure has been erected in accordance with the design.</p> <p>Shop drawings are to be submitted to the Architect for approval before commencement of fabrication of the trusses. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the site before design or fabrication commences.</p> <p>Rates are to include for the design, construction, supply, delivery on site, erection, inspection and certification of the total roof structure under a written guarantee. The guarantee is to be lodged with the Architect for approval before the work is commenced. The design should include for the additional weight of domestic geysers and under no circumstances will it be accepted that the ceiling branderling assist in the stability of the roof structure.</p> <p>The Truss System Engineer is to be approved by the Architect and is to be a member of the Truss Plate Association of Southern Africa.</p> <p>(End of prefabricated timber roof structure)</p> <p>Design, supply and install roof truss system complete in accordance with the Standard Building Regulations to suit roof area approximate size 348m² (measured on flat floor area inclusive of overhangs, etc)</p>				
1		Item	1		
	ROOF CONSTRUCTION				
	Sawn softwood:				
2	38 x 114mm Wall plates.	m	65		
3	50 x 76mm Purlins.	m	315		

Item	Description	Unit	Quantity	Rate	Amount
	<u>EAVES, VERGES, ETC</u>				
	Everite' pressed fibre-cement:				
4	15 x 225mm Fascias and barge boards including galvanised steel H profile jointing strips .	m	107		
	<u>DOORS ETC</u>				
	SANS approved meranti:				
	FRAMED DOORS, ETC				
	Wrought saligna doors hang to steel frames:				
5	40mm Framed, ledged and braced batten door 813 x 2032mm high.	No	2		
	FLUSH DOORS				
	Solid flush doors with 3,2mm standard hardboard covering on both sides hung to steel frames:				
6	40mm Door 813 x 2032mm high.	No	11		
	<u>FITTINGS</u>				
	Kitchen units				
	Note :				
	All boards to kitchens and sink cupboards to be waterproof particle board.				
	KITCHEN CUPBOARD				
7	Sink cupboard (sink elsewhere) type "Mahogany" 1210mm Long x 510mm wide x 870mm high overall with 30mm thick granite countertop, double doors, shelves, doors, drawers, etc to kitchen.	No	1		
8	Wall cupboard type "Mahogany" 1070mm Long x 270mm wide x 600mm high overall kitchen cupboard with double doors hanging on rustproof concealed self-closing hinges and shall be fitted with magnetic catches, three drawers handles to be Brushed Satin Nickel mild steel bar handles 126mm square complete with screw, including drawers complete with handles must be Brushed Satin Nickel mild steel bar handle 126mm square, sides, bottom, division, shelves, paint, etc.	No	1		
9	Wall cupboard type "Mahogany" 2750mm Long x 510mm wide x 600mm high overall kitchen cupboard with double doors hanging on rustproof concealed self-closing hinges and shall be fitted with magnetic catches, three drawers handles to be Brushed Satin Nickel mild steel bar handles 126mm square complete with screw, including drawers complete with handles must be Brushed Satin Nickel mild steel bar handle 126mm square, sides, bottom, division, shelves, paint, etc.	No	1		

Item	Description	Unit	Quantity	Rate	Amount
10	Wall cupboard type "Mahogany" 520mm Long x 270mm wide x 600mm high overall kitchen cupboard with double doors hanging on rustproof concealed self-closing hinges and shall be fitted with magnetic catches, three drawers handles to be Brushed Satin Nickel mild steel bar handles 126mm square complete with screw, including drawers complete with handles must be Brushed Satin Nickel mild steel bar handle 126mm square, sides, bottom, division, shelves, paint, etc.	No	1		
11	Wall cupboard type "Mahogany" 780mm Long x 270mm wide x 600mm high overall kitchen cupboard with double doors hanging on rustproof concealed self-closing hinges and shall be fitted with magnetic catches, three drawers handles to be Brushed Satin Nickel mild steel bar handles 126mm square complete with screw, including drawers complete with handles must be Brushed Satin Nickel mild steel bar handle 126mm square, sides, bottom, division, shelves, paint, etc.	No	1		
12	Floor cupboard type "Mahogany" 2090mm Long x 510mm wide x 870mm high overall kitchen cupboard with double doors hanging on rustproof concealed self-closing hinges and shall be fitted with magnetic catches, three drawers handles to be Brushed Satin Nickel mild steel bar handles 126mm square complete with screw, including drawers complete with handles must be Brushed Satin Nickel mild steel bar handle 126mm square, sides, bottom, division, shelves, paint, etc. including a granite countertop of approved colour.	No	1		
13	Floor cupboard type "Mahogany" 2750mm Long x 510mm wide x 870mm high overall kitchen cupboard with double doors hanging on rustproof concealed self-closing hinges and shall be fitted with magnetic catches, three drawers handles to be Brushed Satin Nickel mild steel bar handles 126mm square complete with screw, including drawers complete with handles must be Brushed Satin Nickel mild steel bar handle 126mm square, sides, bottom, division, shelves, paint, etc. including a granite countertop of approved colour.	No	1		
	<u>Bedroom cupboards with hinges, handles, drawer slides and paint, etc:</u>				
14	1930mm Long x 650mm wide x 2560mm high overall bedroom cupboard with double doors hanging on rustproof concealed self-closing hinges and shall be fitted with magnetic catches, drawers, sides, bottom, division, shelves, paint, etc.	No	3		
	Carried to Section No. 2 Summary				

Item	Description	Unit	Quantity	Rate	Amount
	<u>BILL No. 4</u>				
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	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.				
	Descriptions:				
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.				
	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.				
	INSULATION				
	Glass fibre wool insulation:				
1	75mm Insulation closely fitted and laid on top of branderling between roof timbers etc.	m ²	165		
	NAILED UP CEILINGS				
	6,4mm Rhino gypsum plasterboard ceilings or equal approved fixed to 38 x 38mm branderling at max 400cc including 'H' profile jointing strips all to manufacturers instructions:				
2	Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres with cross branderling at joints, ends of sheets and at light fittings, etc.	m ²	165		
3	Extra over ceiling for forming trap door size 635 x 635mm in clear formed with 38 x 50mm sawn S.A. pine framing covered with ceiling boarding and set in 38 x 76mm wrought S.A. pine rebated kerb, including trimmers.	No	2		
	Rhino gypsum plasterboard cornices:				
4	75mm Coved cornices.	m	175		
	Carried to Section No. 2 Summary				

Item	Description	Unit	Quantity	Rate	Amount
	<u>BILL No. 5</u>				
	<u>IRONMONGERY</u>				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	Finishes to ironmongery:				
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS 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.				
	<u>HINGES, BOLTS, ETC</u>				
	Approved:				
1	100mm Brass butt hinges.	No	30		
	<u>LOCKS</u>				
	Union' - or other approved:				
2	CZ 682-24/L2277-78 SC three lever lockset with striking plate fixed to metal.	No	11		
3	CZ 682-24/L2247-78 SC four lever lockset with striking plate fixed to metal.	No	4		
	SUNDRIES				
	APPROVED:				
4	38mm Diameter rubber door stop plugged.	No	15		
	<u>BATHROOM FITTINGS (PROVISIONAL)</u>				
	Franke' - or other approved:				
5	19mm Diameter chromium plated towel rail 916mm long with a pair of end brackets plugged.	No	2		
6	Stratos STRX 672 code 359716' toilet roll holder plugged.	No	2		
7	Chronos BS6467 Soap dish wall mounted.	No	2		
	Carried to Section No. 2 Summary				

Item	Description	Unit	Quantity	Rate	Amount
	<p><u>BILL NO. 6</u></p> <p><u>METALWORK</u></p> <p>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p> <p><u>Aluminium doors, windows, etc</u></p> <p>Windows, doors, etc shall be manufactured by an approved firm of specialists and shall be of best quality material and workmanship and of approved design. Windows, doors, etc., shall meet with the minimum recommended performance requirements as set out by the Association of Architectural Aluminium Manufacturers of South Africa (AAMSA) and NBR SANS 10400 - N: 2006 Code of Practice.</p> <p>The Contractor is to submit all relevant certificates regarding glazing, window frames, powder coated finish, etc.</p> <p>Rates shall include for the following:</p> <p>a) All opening and fixed lights, coupling mullions and transoms, fittings, standard ironmongery, factory fitted burglar proofing, etc. as required and specified</p> <p>b) Complete glazing as specified with and including glazing beads and gaskets as specified and glazed in accordance with the manufacturer's written instructions. All glazing to comply with NBR of SABS 0400</p> <p>c) Building in and fixing into preformed openings. All opening sizes must be verified on site before manufacture commences. Costs for additional packing etc. must be included in the overall rates</p>				

Item	Description	Unit	Quantity	Rate	Amount
	<p>d) Suitably protecting all exposed aluminum and glass surfaces with an approved tape and durable plastic sheeting. Such protection is to be removed at completion of the contract and the surface cleaned down and left perfect. Any damage, scratches, etc. to the finished product will definitely be unacceptable.</p> <p>e) Silicone pointing with an approved silicone sealant recommended by AAAMSA on all external window, door, etc.</p> <p>f) Any and all additional supports, brackets, etc. required that is deemed necessary for the proper manufacture and installation of the windows, doors and shop fronts.</p> <p>The following certificates shall be provided prior to commencement of site work:</p> <p>1. A Certificate of Conformance confirming that anodizing or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively</p> <p>2. A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process</p> <p>3. A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years</p> <p>Note: All prices to include supply and installation of the relevant ironmongery</p> <p>GALVANISED PRESSED STEEL DOOR FRAMES INCLUDING SETTING UP AND BUILDING IN</p> <p>1,2mm Double rebated frames suitable for one brick walls:</p>				
1	<p>Frame for door 813 x 2032mm high.</p> <p>HOT DIP GALVANISED STEEL ROLLER SHUTTER DOORS</p> <p>NOTE: The contractor is to check on site measurements before placing an order</p> <p>Solid Slatter Roller Shutter Range, Serranda Series 2000 galvanised mild steel slats. Galvanised steel slats 75mm x 0.8/1mm thick roller shutter for opening with a standard bottom rail with overhead box clear of 2100mm high, 75mm wild guides, with steel T bar without rubber seal, powder coated ancillary components including 4,5mm thick end plates, guide rails, etc and with a centre lock fixed to brick jambs and structural masonry.</p>	No	13		
2	<p>2670 x 2340mm Galvanised roller shutter door by Serranda</p> <p>Cleaned Galvakleen</p>	No	2		

Item	Description	Unit	Quantity	Rate	Amount
	<u>ALUMINIUM FRAMED AND UNFRAMED SHOWER DOORS ETC</u>				
	Chrome anodised aluminium framed shower enclosure with frames, sliding gear, pivot hinges, cleats, stops, etc and 4mm toughened obscure safety glass, plugged to tiled walls and sealed with silicone sealant:				
3	1230 x 1950mm high Pivot shower door enclosure combo.	No	1		
	<u>GALVANISED STEEL GATES, SCREENS, ETC</u>				
	50 x 2,5mm Galvanised diamond mesh covering in approximately 1,85m high panels tied with 1,6mm galvanised binding wire to frames	m ²	10		
4					
	50 x 2,5mm Galvanised diamond mesh covering in approximately 1.37m high panels tied with 1,6mm galvanised binding wire to frames	m ²	4		
5					
	Carried to Section No. 2 Summary				
	<u>BILL No. 7</u>				
	<u>TILING</u>				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2008" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	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.				
	Fixing:				
	Tiling shall be fixed with an approved tile adhesive to a plaster backing. Plaster backing is measured elsewhere.				
	WALL TILING				
	200 x 200mm First grade white glazed ceramic tiles or equal Architect approved wall tiles fixed with adhesive to plaster (plaster elsewhere):				
1	On walls in isolated panels, splashbacks, etc.	m ²	80		

Item	Description	Unit	Quantity	Rate	Amount
	CERAMIC FLOOR TILING				
	300 x 300mm 'Margres Pigmentado Granito Preto' - or other approved - ceramic floor tiles in panels, fixed with rapid setting adhesive to bedding (bedding elsewhere) with straight joints in both directions, jointed and flush pointed with grout of an approved colour:				
2	On floors and landings.	m ²	161		
	Skirting 100mm high of cut tiles.	m	157		
	Glazed ceramic floor mosaics, fixed with adhesive to existing prepared surfaces and flush pointed with tinted waterproof jointing compound:				
3	On showers floor	m ²	1		
	Carried to Section No. 2 Summary				
	<u>BILL No. 8</u>				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2018" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	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.				
	Flush pans:				
	Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.				
	Stainless steel basins, sinks, wash troughs, urinals, etc:				
	Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.				
	Fixing:				
	Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories.				
	Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer.				

Item	Description	Unit	Quantity	Rate	Amount
	Waste unions:				
	Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.				
	Sleeve pipes:				
	Electrical sleeve pipes to be Class 34 and are to include for draw wires.				
	<u>Bathroom Fittings</u>				
	TAPS, VALVES ETC				
	Chromium plated' - or similar approved:				
1	15mm Plumblin Lyra underwall shower mixer CP	No	2		
2	15mm Chrome plated raised-nose basin pillar tap.	No	2		
3	15mm Chrome plated wall-type sink mixer with overarm swivel spout	No	1		
4	15mm 027 CP shower arm with sliding flange.	No	2		
5	Plumblin shower rose 3-function CP 100mm	No	2		
6	162mm Chrome plated bath mixer tap	No	1		
	<u>SANITARY FITTINGS</u>				
	Franke' - or other approved - stainless steel:				
	Stainless steel basins, quality sinks, wash troughs, institutional equipment, etc shall be type 304.				
7	Curvline inset sink and drainer 1500 x 435mm wide with double bowl fitted to cupboard (cupboard elsewhere measured).	No	1		
	Vaal or equal Architect approved:				
8	510 x 405mm white vitreous china basin with two tapholes and with brackets.	No	2		
9	Top-flush close-coupled WC suite 825 x 365 x 665mm white suite comprising pan with double flap heavy duty plastic seat and matching 9 litre cistern.	No	2		
10	Coral White Built In Straght Bath with Handles 1700 x 700mm	No	1		
	<u>WASTE UNIONS ETC</u>				
	Cobra Watertech' - or similar approved:				
11	32mm 301 Chromium plated waste union.	No	2		
12	38mm 316 Chromium plated bath or sink waste union.	No	2		

Item	Description	Unit	Quantity	Rate	Amount
	<u>TRAPS ETC</u>				
	Marley' - or similar approved:				
13	40mm Deep seal 'P' or 'S' trap.	No	3		
14	40 x 300mm Sink combination for double bowl with deepseal 'P' trap.	No	1		
	Cobra Watertech' - or similar approved:				
15	32mm 345/50 CP Bottle trap. (PROVISIONAL)	No	1		
	Carried to Section No. 2 Summary				
	<u>BILL No. 9</u>				
	<u>GLAZING</u>				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2018" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	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.				
	GLAZING TO STEEL WITH PUTTY				
	All glazing shall be in accordance with SABS 0400 - 1990, SABS 1263 - 1. All safety glazing materials (individual panes) shall be permanently marked. Such marking shall be visible after glazing process. If it is not marked, it is not safety glass.				
	Issue of Glazing Certificate.				
	<u>MIRRORS, ETC</u>				
	6mm Silvered float glass copper backed mirrors with a polished edges holed for and fixed with chromium plated dome capped mirror screwed with rubber buffers to plugs in cabinet or brickwork.				
1	Mirror 300 x 450mm high with four screws	No	7		
	Carried to Section No. 2 Summary				

Item	Description	Unit	Quantity	Rate	Amount
	<u>BILL No. 10</u>				
	<u>PAINTWORK</u>				
	MODEL PREAMBLES				
	The tenderer is referred to the "Model Preambles for Trades 2018" for supplementary and comprehensive expansion of descriptions, appropriate provision for which shall be deemed to have been included in all relevant rates				
	SUPPLEMENTARY PREAMBLES				
	Proprietary products in descriptions:				
	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.				
	All work to be executed in strict accordance with the specifications of the paint manufacturer.				
	Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with plaster primer thinned 10% with turpentine.				
	PAINTWORK ETC TO WALLS				
	Prepare surfaces and remove all loose material, apply one undercoat and two coats "Plascon Double Velvet pure Acrylic" or equal Project Manager approved emulsion paint for interior use				
1	On internal walls	m ²	555		
	Prepare surfaces and remove all loose material, apply one undercoat and two coats "Plascon Double Velvet pure Acrylic" or equal Project Manager approved emulsion paint for external use				
2	On external walls	m ²	217		
	ON FIBRE-CEMENT BOARD SURFACES				
	Prepare surfaces and remove all loose material, apply one coat 'Merit Plaster Primer' and two coats 'Plascon Double Velvet Pure Acrylic' paint or equal and approved:				
3	Ceilings and cornices.	m ²	165		
	ON METAL				

Item	Description	Unit	Quantity	Rate	Amount
	Prepare surfaces and remove all loose material, spot prime defects with metal primer (UC501) and apply one merit universal undercoat and two coats 'Velvagio (VLO)' enamel paint:				
4	On door frames.	m ²	12		
5	On windows.	m ²	38		
	ON WOOD				
	Prepare and apply ONE undercoat and TWO finishing coats "Plascon Velvaglow Paint"				
6	On doors	m ²	45		
7	Frames etc not exceeding 300mm girth	m	65		
	Stop, sand down and prepare wood surfaces and apply one coat wood primer, one undercoat and two coats high gloss enamel paint:				
8	On doors	m ²	7		
9	Frames, skirting, lintels, staircases, window, window sills etc not exceeding 300mm girth	m	10		
	Carried to Section No. 2 Summary				
	Section Total				
	SECTION SUMMARY - BUILDING WORKS				
1	Alterations				
2	Roof Coverings				
3	Carpentry and Joinery				
4	Ceilings, Partitions And Access Flooring				
5	Ironmongery				
6	Metalwork				
7	Tiling				
8	Plumbing and Drainage				
9	Glazing				
10	Paintwork				
	Carried To Final Summary				

Item	Description	Unit	Quantity	Rate	Amount
	<p><u>SECTION NO. 3:</u></p> <p><u>ELECTRICAL AND MECHANICAL INSTALLATIONS</u></p> <p><u>BILL NO. 1: ELECTRICAL WORK AND MECHANICAL WORKS (PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2008 Edition) and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Switches, socket outlets, etc</u></p> <p>Rates for switches, socket outlets, etc are to include for screwing to outlet boxes, connecting up, cover plates and chasing.</p> <p>Allow for the provision and /or cost shop drawings, schematic diagrams, requirements of any regulations and by-laws, certificate of compliance, etc, all as described.</p> <p><u>LIGHT SWITCHES, SOCKET OUTLETS, ETC</u></p> <p><u>LUMINARIES AND EQUIPMENT</u></p> <p>Luminaries or equipment installed and mounted to round boxes in brickwork or ceiling including all fixings, brackets, supports, connectors, connections and lamps:</p> <p><u>EQUIPMENT</u></p> <p>Wall mounted 120mm diameter extractor fan complete with wiring and fittings, etc.</p>				
1		Item	1		
2	16A Flush mounted socket outlet, combo (Provisional).	No	11		
3	Ceiling lighting	No	15		
4		No	3		
Carried To Final Summary					

[illegible]