

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	SECTION 1				
	<u>BILL NO. 1</u>				
	<u>ALTERATIONS</u>				
	<u>REMOVAL OF EXISTING WORK</u>				
1	Fascia and barge boards <u>Taking down and removing panelling, ceilings, partitions etc.</u>	m	150	R	-
2	Gypsum plasterboard ceiling and prepare to receive new <u>Taking out and removing existing ironmongery</u>	m ²	100	R	-
3	Mortice lockset from timber door	No	8	R	-
4	Steel window with glazing <u>Hacking up/off and removing floor tiles and wall tiles, including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u>	No	3	R	-
5	Ceramic tiles to walls <u>MAKING GOOD OF FINISHES, ETC.</u> <u>Making good internal cement plaster</u>	m ²	5	R	-
6	Walls in patches/cracks <u>SERVICING AND ALTERATION- AND REPAIR WORK TO TIMBER DOORS AND DOOR FRAMES</u>	m ²	20	R	-
7	Timber door frames, size 813 x 2032mm high	No	8	R	-
8	Timber door frame, size 1610 x 2032mm high <u>SERVICING AND ALTERATION- AND REPAIR WORK TO WINDOWS, FRAMES, IRONMONGERY, ETC.</u>	No	4	R	-
	<u>EXISTING STEEL WINDOWS</u>				
9	Allowance to inspect and repair all existing windows and leave in working order <u>SERVICING AND REPAIRWORK TO GENERAL PLUMBING WORK, SANITARYWARE, ETC.</u> <u>Locating, inspecting and cutting into brick or concrete structure as necessary to expose existing pipework, temporary blocking off and removing damaged or leaking pipework and preparing for replacing with new pipework, etc (elsewhere measured) and later making good damaged plasterwork to walls and screeds to floors</u>	Item	1	R	-
10	Allowance to inspect and repair all plumbing and leave in perfect working order <u>UNBLOCKING OF SEWER SYSTEM, ETC.</u> <u>Inspecting, repairing, cleaning and unblocking sewer system</u>	Item	1	R	-

11	Allowance to inspect, repair and unblock sewer system behind all ablutions and leave in perfect working order	Item	1		R	-
TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR ALTERATIONS					R	-

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	<u>SECTION 1</u> <u>BILL NO. 2</u> <u>WATERPROOFING</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Waterproofing</u> 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. <u>WATERPROOFING TO ROOFS, BASEMENTS, ETC.</u> <u>PROTECTIVE ROOFING PAINT (PROVISIONAL)</u> <u>One layer Derbigum waterproofing membrane,with 75mm side laps and 100mm end laps,sealed to bitumen primed surface to falls and crossfalls by torchfusionn finished with two coats Roofcote bituminous aluminium paint</u>				
1	On roof sheetings	m ²	700		R -
TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR WATERPROOFING					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	SECTION 1 BILL NO. 3 ROOF COVERINGS <u>User note</u> Where battens for roof coverings form part of the plate nailed timber roof truss design it shall be included under the roof construction in the "Carpentry and Joinery" trade and not under this trade STEEL ROOF SHEETING AND ACCESSORIES (PROVISIONAL) <u>0.8mm thick pre-painted Safintra Colorplus steel roof sheet in single lengths (Colour: Grecian Grey) to exposed side and global coat grey to reverse side on 76 x 50mm SA Pine purlins at 1000mm centres and accessories etc, on timber roof trusses and or bearers etc. (measured elsewhere)</u>				
1	Roof covering with pitches not exceeding 25 degrees Flashings 550mm girth three times bent along girth and notched on site to suit roof profile	m²	40	R	-
TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR ROOF COVERINGS					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	<u>SECTION 1</u> <u>BILL NO. 4</u> <u>CARPENTRY AND JOINERY</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Fixing</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be 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 500mm centres, and where described as "bolted", the bolts have been given elsewhere. <u>Joinery</u> Descriptions of frames shall be deemed to include frames, transomes, rails, etc. Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts. <u>Decorative thermosetting plastic laminate covering</u> Laminate covering shall be glued under pressure and edge strips of same shall be butt jointed at junctions with adjacent similar finish. <u>FITTINGS</u> <u>General</u> The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc. The references given in the descriptions are to the respective types of fittings detailed on the Architect's drawings annexed to these Bills of Quantities for tender purposes. <u>PREFABRICATED ROOF TRUSSES, ETC.</u> Allow a budgetary allowance for trussess, hip and valley sets, bracing, cross bracing, connecting clips, fixing brackets, etc., as required, for fixing in position of roof trusses as described in accordance with manufacturer's instructions etc.				
1	<u>EAVES, VERGES, ETC.</u> <u>Everite FC77 pressed fibre-cement</u> Fascias and barge boards including galvanised steel H-profile jointing strips screwed to timber Rafters and 50 x 76mm alignment rail nailed to Rafter ends	Item	1	R	-
2		m	150	R	-

						R	-
TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR CARPENTRY AND JOINERY							

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	<u>SECTION 1</u> <u>BILL NO. 5</u> <u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Fixing</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be 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 500mm centres, and where described as "bolted", the bolts have been given elsewhere. <u>Ceilings</u> Unless otherwise described ceilings shall be deemed to be horizontal. <u>Bulkheads</u> Bulkheads are defined as those portions of ceilings which are stepped down from the general ceiling level in a particular room or area and which generally occur along the perimeter. Their purpose is either to conceal services or to create architectural features. Bulkheads have only been described as such where they conform to the above definition and where the horizontal or vertical dimensions do not exceed 900mm. Where these dimensions are more than 900mm such portions of ceilings have been included in the appropriate general items of ceilings. Unless otherwise described bulkheads shall be deemed to be horizontal along the length. <u>Steel components</u> All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121. <u>User note</u> <i>Circular bulkheads shall be given separately.</i> <u>NAILED-UP CEILINGS</u> <u>6.4mm Aerated gypsum core plasterboard plasterboard with with exposed surface suitable for decoration and tapered edges for smooth seamless jointing, with skim finish. Provide and fix jointing strips between adjacent boards</u>				
1	Gypsum plasterboard	m ²	100	R	-
2	50 x 50mm cornice plugged	m	80	R	-
3	Extra over ceiling for 600 x 600mm opening trap door	No	2	R	-

TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR CEILINGS, PARTITIONS AND ACCESS FLOORING					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	SECTION 1 BILL NO. 6 FLOOR COVERINGS, WALL LININGS, ETC. SUPPLEMENTARY PREAMBLES <u>Fixing</u> Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc. FLOOR COVERINGS VINYL FLOOR COVERINGS (CPAP Work Group No 130) <u>Flexible Series 250 LVT wood look tiles, Series 250 Eucalyptus, with a wear layer of 0.55 for commercial use using the correct LVT adhesive and all installed according to manufactures specification on a well-prepared sub floor to receive vinyl - allow for moisture test to be done prior to installation (self levelling screed measured elsewhere)</u>				
1	On screeded floors	m ²	10	R	-
	POLISH, SEALERS, ETC (CPAP Work Group No 130) <u>Polish, sealers, etc.</u> Scrub with diluted detergent complying with SABS 825, thoroughly rinse and apply three coats water based floor dressing complying to SABS 1042 in accordance with the manufacturers instructions				
2		m ²	30	R	-
TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FLOOR COVERINGS, WALL LININGS, ETC.					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	<u>SECTION 1</u> <u>BILL NO. 7</u> <u>IRONMONGERY</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items</u> Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items. Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered. On request returnable samples are to be provided to the principal agent for consideration. <u>Finishes to ironmongery</u> 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 <u>HINGES, BOLTS, ETC.</u> 102 x 75 x 3mm two ball bearing stainless steel butt hinges to suit maximum door weight of 80kg <u>LOCKS</u> "Union L-2215-78SS" mortice sashlock "Union SS5004-73SS" WC indicator set <u>HANDLES</u> "SL880 Series_Augusta-AUSL" stainless steel door handle with mortise lock case <u>SUNDRIES</u> "87001SS" satin stainless steel floor door stop				
1	102 x 75 x 3mm two ball bearing stainless steel butt hinges to suit maximum door weight of 80kg	Pairs	8	R	-
2	"Union L-2215-78SS" mortice sashlock	No	8	R	-
3	"Union SS5004-73SS" WC indicator set	No	5	R	-
4	"SL880 Series_Augusta-AUSL" stainless steel door handle with mortise lock case	No	8	R	-
5	"87001SS" satin stainless steel floor door stop	No	8	R	-
TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR IRONMONGERY					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	SECTION 1 BILL NO. 8 TILING SUPPLEMENTARY PREAMBLES <u>Fixing</u> Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding. Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat. Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the "Tal Professional" ("Ceresit Tylon"?) range of products as recommended by the manufacturer of the tiles. WALL TILING <u>150 x 200 x 5mm White glazed ceramic tiles (P.C allowance of R 180.00/m2 excludes V.A.T. but includes delivery to site), fixed with adhesive to plaster (plaster elsewhere)</u>				
1	Kitchen walls <u>150 x 150 x 5mm White glazed ceramic tiles (P.C allowance of R 180.00/m2 excludes V.A.T. but includes delivery to site), fixed with adhesive to plaster (plaster elsewhere)</u>	m ²	2	R	-
2	Ablution walls	m ²	1	R	-

TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR TILING					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	SECTION 1 BILL NO. 9 PLUMBING AND DRAINAGE (PROVISIONAL) SUPPLEMENTARY PREAMBLES <u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u> Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0). Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc. shall be Type 304 (18/8). Stainless steel for laboratory sinks, photographic equipment, etc. shall be Type 316 (18/8). Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable. <u>Sealing of edges</u> Outer edges of sinks, basins, baths, urinals, etc are to be sealed against adjacent surfaces with approved silicone. <u>uPVC pipes and fittings</u> Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings. Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings. <u>uPVC pressure pipes and fittings</u> Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings. Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints. <u>Copper pipes</u> Pipes shall be hard drawn and half-hard "Maksal" pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition. <u>Reducing fittings</u> Where fittings have reducing ends or branches they are described as "reducing" and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. <u>Fixing of pipes</u>				

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level.

Disinfection of water pipework

Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere).

General

Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc are given separately).

Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends.

Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc. and to steel pipes (adaptors for connections to copper pipes, etc are given separately).

Descriptions of WC pans, slop hoppers, etc shall be deemed to include for joints to soil pipes (pan connectors are separately measured).

As-built drawings

Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere).

RAINWATER DISPOSAL (CPAP Work Group No 148)

0.6mm Aluminium RainGain seamless guttering coated internally and externally with ColourTech G4, including cut and mitred angles covered with a mitre strip externally, stop ends crimped and all sealed on the inside with silicone sealer, secured to PVC fascia with 20 x 2.5mm internal hanger brackets at 600mm centres using aluminium peeled rivets, including expanded aluminium mesh leaf guard set over gutter all installed in strict accordance with the manufacturers instructions.

1	150 x 150mm RainGain eaves gutters	m	76	R	-
2	150 x 150mm rainwater pipes	m	45	R	-
3	Extra over 150 x 150mm RainGain eaves gutter for stopped end	No	5	R	-
4	Extra over 150 x 150mm RainGain eaves gutter for angle	No	5	R	-
5	Extra over 150 x 150mm RainGain eaves gutter for outlet for 100 x 75mm pipe	No	5	R	-
6	Extra over 150 x 150mm rainwater pipe for bend	No	5	R	-
7	Extra over 150 x 150mm rainwater pipe for shoe	No	5	R	-
8	Extra over 150 x 150mm rainwater pipe for eaves or plinth offset 600mm projection	No	5	R	-

SANITARY FITTINGS (CPAP Work group No. 148)

Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.

Waste unions

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.

Prices of sanitary fittings are to include for silicone sealant between walls and fittings.

Stainless steel

	<u>TAPS, VALVES, ETC.</u>					
	<u>"Cobra Watertech"</u>					
9	15mm concealed female Cobra star stop tap, with sliding wall flange. 1/2 BSP female iron connection ends (Product code: FSTAF1S5-0GT01)	No	2		R	-
10	Cobra pause basin mixer (Product code: FBN1D1Y2-0GT0383)	No	2		R	-
11	geyser x 150L	No	1		R	-
	<u>TESTING</u>					
	<u>Testing</u>					
12	Testing waste pipe system	Item	1		R	-
	<u>FIRE APPLIANCES, ETC.</u>					
	<u>"Chubb"</u>					
13	9kg Dry chemical fire extinguisher	No	2		R	-
TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR PLUMBING AND DRAINAGE						R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	SECTION 1 BILL NO. 10 GLAZING SUPPLEMENTARY PREAMBLES <u>Float glass</u> The term "float glass" is used for monolithic annealed glass. <u>Laminated glass</u> Laminated glass to have polyvinyl butyral (PVB) interlayer(s). GLAZING TO STEEL WITH PUTTY TOPS, SHELVES, DOORS, MIRRORS, ETC. <u>6mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete</u>				
1	Mirror 450 x 600mm high with four screws	No	4	R	-
2	Allow a budgetary allowance for replacement of damaged/missing glazing panels to windows	Item	1	R	-
3	Allowance for procurement of putty to install lose glazing panels that requires putty	Item	1	R	-

TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY GLAZING					R	-
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