

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	SECTION 1				
	<u>BILL NO. 1</u>				
	<u>ALTERATIONS</u>				
	<u>REMOVAL OF EXISTING WORK</u>				
	<u>Taking out and removing doors, windows, etc., including thresholds, sills, etc.</u>				
1	Timber single door, size 813 x 2032mm high	No	1	R	-
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.</u>				
2	Fascia and barge boards	m	40	R	-
	<u>Taking out and removing joinery fittings etc.</u>				
3	Timber cupboard, size 1500 x 630 x 660mm high	No	1	R	-
	<u>Taking up and removing vinyl floor coverings, carpeting, etc and preparing screed for new floor covering</u>				
4	Carpet floor covering	m ²	100	R	-
	<u>Taking out and removing existing ironmongery</u>				
5	Mortice lockset from timber door	No	14	R	-
	<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>				
6	Ceramic tiles to walls	m ²	5	R	-
	<u>Taking out and removing piping,sanitary fittings,etc. including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>				
7	Taking out geyser, complete and refit elsewhere	No	2	R	-
	<u>Taking out and removing glass and mirrors</u>				
8	window glass	m ²	0,5	R	-
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
9	Making good defects in existing screeded floors with self levelling screed (all as per manufacturer's detailed specification and approved by the Structural Engineer)	m ²	163	R	-
	<u>MAKING GOOD OF FINISHES, ETC.</u>				
	<u>Making good internal cement plaster</u>				
10	Walls in patches/cracks	m ²	30	R	-
	<u>SERVICING AND ALTERATION- AND REPAIR WORK TO TIMBER DOORS AND DOOR FRAMES</u>				
11	Timber door frames, size 813 x 2032mm high	No	12	R	-
12	Timber door frame, size 1610 x 2032mm high	No	2	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	400		R -
TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR WATERPROOFING					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	<u>SECTION 1</u> <u>BILL NO. 3</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>EAVES, VERGES, ETC.</u> <u>Everite FC77 pressed fibre-cement</u> ascias and barge boards including galvanised steel H-profile jointing strips screwed to timber Rafters and 50 x 76mm alignment rail nailed to Rafter ends <u>TIMBER DOORS, WINDOWS, ETC.</u> <u>DOORS ETC.</u> <u>SOLID DOORS</u> <u>Solid core hard wood doors to timber frames</u>				
1	44mm solid 6 unequal panels hard wood door, size 813 x 2032mm suitable for painting <u>SCREEN WALLS, ETC.</u> Security at Main Entrance & Cleaner's Room Partitioning	m	40		R -
2		No	1		R -

3	12mm Compact High-Pressure Laminate (Colour: Pastel Grey), in CubeMax Flush Bevel (Product code: CSCHPLCMFB), including door opening and door size 700 x 2100mm high,	m ²	50		R	-
TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR CARPENTRY AND JOINERY					R	-

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	SECTION 1 BILL NO. 4 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>vinyl flooring for the stairs with self adhesive rubber nose trim</u> On screeded floors	m²	6		R -
1	CARPET Nylon Carpet tiles On screeded floors	m²	350		R -
2	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 and walls dressing complying to SABS 1042 in accordance with the manufacturers instructions	m²	450		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. 5</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 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	14		R -
2	"Union SS5004-73SS" WC indicator set	No	4		R -
3	"SL880 Series_Augusta-AUSL" stainless steel door handle with mortise lock case	No	14		R -
4	"87001SS" satin stainless steel floor door stop	No	14		R -

TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR IRONMONGERY					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	<u>SECTION 1</u> <u>BILL NO. 6</u> <u>PLASTERING</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>User Note</u> <i>The following preambles are to be included only when specifically required by the principal agent.</i> <u>Preparation</u> For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc. is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic. <u>Mix</u> Granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic. <u>Laying</u> Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels. Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels. After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated. <u>Curing, seasoning and protection</u>				
	Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying. <u>Colour</u> Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour. <u>SCREEDS (CPAP Work Group No 142)</u> <u>Screeds on concrete</u>				
1	25mm thick on floors and landings	m ²	30	R	-

TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR PLASTERING					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	<u>SECTION 1</u> <u>BILL NO. 7</u> <u>TILING</u> <u>SUPPLEMENTARY PREAMBLES</u> <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. <u>WALL TILING</u> <u>200 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	On walls	m²	3	R	-
2	Wall Vinyls	m²	36	R	-

TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR TILING					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	SECTION 1 BILL NO. 8 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.				
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	<u>Disinfection of water pipework</u> Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere). <u>General</u> 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). <u>As-built drawings</u> 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). <u>RAINWATER DISPOSAL (CPAP Work Group No 148)</u> <u>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.</u>					
1	150 x 150mm RainGain eaves gutters	m	40		R	-
2	150 x 150mm rainwater pipes	m	16		R	-
3	Extra over 150 x 150mm RainGain eaves gutter for stopped end	No	3		R	-
4	Extra over 150 x 150mm RainGain eaves gutter for angle	No	3		R	-
5	Extra over 150 x 150mm RainGain eaves gutter for outlet for 100 x 75mm pipe	No	3		R	-
6	Extra over 150 x 150mm rainwater pipe for bend	No	3		R	-
7	Extra over 150 x 150mm rainwater pipe for shoe	No	3		R	-
8	Extra over 150 x 150mm rainwater pipe for eaves or plinth offset 600mm projection	No	3		R	-
	<u>SANITARY FITTINGS (CPAP Work group No. 148)</u> Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary. <u>Waste unions</u> 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.					

	<u>Stainless steel</u>				
	<u>TAPS, VALVES, ETC.</u>				
	<u>"Cobra Watertech"</u>				
9	Cobra Star Bib Tap Extended, with hot and cold indices. 1/2BSP male iron connection end (Product code: FBBAE1SR-0GT01)	No	3		R -
10	Geyser x 150L	No	2		R -
	<u>TESTING</u>				
	<u>Testing</u>				
11	Testing waste pipe system	Item	1		R -
	<u>FIRE APPLIANCES, ETC.</u>				
	<u>"Chubb"</u>				
12	9kg Dry chemical fire extinguisher	No	4		R -
TOTAL SUM CARRIED FORWARD TO FINAL SUMMARY FOR PLUMBING AND DRAINAGE					R -

ITEM NO	DESCRIPTION	UNIT	TOTAL QTY	RATE	AMOUNT
	<u>SECTION 1</u> <u>BILL NO. 11</u> <u>ADDITIONAL WORKS</u> <u>ELECTRICAL INSTALLATIONS</u> Provide allowance for Electrical new installations and maintenance of existing electrical connection or wiring and test for commissioning. Items include wall heaters/aircons, plugs, switches, fluorescent lights, db box main supply and etc <u>JOINERY FITTINGS</u> Provide allowance for Joinery Fittings and furniture. Items include 90 office chairs, 2 office desk, various sizes of window blynds for the offices using blynds <u>SIGNAGE</u> Provide allowance for supply, installation and commissioning of signage in the building <u>METAL WORK</u> Provide allowance for repair of any damaged metal work. Items include patio cover roof with edges included				
1		Item	1		R -
2		Item	1		R -
3		Item	1		R -
4		Item	1		R -
CARRIED FORWARD TO FINAL SUMMARY FOR ADDITIONAL WORKS					R -