

ALUMINIUM WINDOWS					
	<u>Design, supply and install powder coated (colour T.B.C) extruded aluminium windows complete with frames, subframes, constructed and installed according to the guidelines of The Association of Architectural Aluminium Manufactures of South Africa (AAAMSA). Glazing to be minimum 6.38mm clear laminated safety glass carried out in strict accordance with SANS Part N: "Glazing" and where required, safety glazing to conform with SANS 1263, complete with standard ironmongery, including weatherproofing sealing on both sides with "DOWSIL 890-SL" (or equivalent) silicone joint sealant and fixing into brickwork and/or concrete, complete (Refer to Architect's Window Schedule - Drawing 604a & 604b)</u>				
2/12/15	350 x 900mm high overall, with 1 No. fixed panel and including minimum of 6.38mm thick laminated safety glass (Type 12)	No	6		
2/12/16	350 x 1450mm high overall, with 2 No. fixed panels and including minimum of 6.38mm thick laminated safety glass (Type 03)	No	4		
2/12/17	600 x 900mm high overall, with 1 No. top hung project-out panel with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite including minimum of 6.38mm thick laminated safety glass (Type 17)	No	1		
2/12/18	750 x 900mm high overall, with 1 No. top hung project-out panel with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite including minimum of 6.38mm thick laminated safety glass (Type 04 & 19)	No	6		
2/12/19	860 x 1200mm high overall in 1 No. fixed panel including minimum of 6.38mm thick laminated safety glass (Type 27)	No	2		
2/12/20	900 x 1200mm high overall in 1 No. fixed panel including minimum of 6.38mm thick laminated safety glass (Type 26)	No	1		
	Carried to Collection				R
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ALTERATIONS AND ADDITIONS TO BELLVILLE FLEET FACILITY

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BILLS OF QUANTITIES

2/12/21	900 x 1500mm high overall in 3 No. panels, with 1 No. fixed panel and 2 No. top hung project-out panels with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite including minimum of 6.38mm thick laminated safety glass (Type 28)	No	2		
2/12/22	1200 x 1200mm high overall, with 4 No. top hung project-out panels with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite including minimum of 6.38mm thick laminated safety glass (Type 05)	No	8		
2/12/23	1200 x 1200mm high overall in 1 No. fixed panel including minimum of 6.38mm thick laminated safety glass (Type 07)	No	2		
2/12/24	1200 x 900 high overall, with 2 No. top hung project-out panels with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite, including minimum of 6.38mm thick laminated safety glass (Type 16)	No	9		
2/12/25	1245 x 1886mm high overall in 2 No. fixed panels including minimum of 6.38mm thick laminated safety glass (Type 29)	No	1		
2/12/26	1285 x 1886mm high overall in 6 No. panels, with 2 No. fixed panels and 4 No. top hung project-out panel with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite including minimum of 6.38mm thick laminated safety glass (Type 23)	No	1		
2/12/27	1320 x 1955mm high overall, with 2 No. fixed panels and 4 No. top hung project-out panels with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite including minimum of 6.38mm thick laminated safety glass (Type 02)	No	4		
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BILLS OF QUANTITIES

2/12/28	1333 x 1886mm high overall in 6 No. panels, with 2 No. fixed panels and 4 No. top hung project-out panel with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite including minimum of 6.38mm thick laminated safety glass (Type 25)	No	1		
2/12/29	1475 x 1886mm high overall in 6 No. panels, with 2 No. fixed panels and 4 No. top hung project-out panel with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite including minimum of 6.38mm thick laminated safety glass (Type 24)	No	1		
2/12/30	1600 x 1500mm high overall in 2 No. sliding panels including minimum of 6.38mm thick laminated safety glass (Type 21)	No	1		
2/12/31	1600 x 1370mm high overall in 2 No. sliding panels including minimum of 6.38mm thick laminated safety glass (Type 22)	No	1		
2/12/32	1970 x 1955mm high overall in 9 No. panels, with 3 No. fixed panels and 6 No. top hung project-out panels with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite including minimum of 6.38mm thick laminated safety glass (Type 01)	No	59		
2/12/33	2000 x 1000mm high overall in 2 No. sliding panels including minimum of 6.38mm thick laminated safety glass (Type 08)	No	1		
2/12/34	2150 x 1500mm high overall in 9 No. panels equal in size, with 3 No. fixed panels and 6 No. top hung project-out panels with central, inner and overlapping gasket made from "EPDM" (Ethylene propylene diene monomer rubber), Non slam Ferritic stainless steel friction hinges to suite including minimum of 6.38mm thick laminated safety glass (Type 20)	No	3		
2/12/35	2500 x 2475mm high overall in 2 No. fixed panels and 2 No. sliding panels including minimum of 6.38mm thick laminated safety glass (Type 11)	No	2		
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BILLS OF QUANTITIES

2/12/36	2700 x 1225mm high overall in 2 No. sliding panels including minimum of 6.38mm thick laminated safety glass (Type 06)	No	1		
2/12/37	2971 x 2000mm high overall in 2 No. sliding panels including minimum of 6.38mm thick laminated safety glass (Type 09)	No	2		
2/12/38	4583 x 1500mm high overall in 10 No. fixed panels equal in size including minimum of 6.38mm thick laminated safety glass (Type 14)	No	1		
2/12/39	5230 x 900mm high overall in 8 No. fixed panels equal in size including minimum of 6.38mm thick laminated safety glass (Type 13)	No	3		
2/12/40	6051 x 1500mm high overall in 8 No. fixed panels equal in size including minimum of 6.38mm thick laminated safety glass (Type 10)	No	1		
<u>ALUMINIUM DOORS</u>					
<u>Design, supply and install powder coated (colour T.B.C) extruded aluminium doors complete with frames, subframes, constructed and installed according to the guidelines of The Association of Architectural Aluminium Manufactures of South Africa (AAAMSA). Glazing to be minimum 6.38mm clear laminated safety glass carried out in strict accordance with SANS Part N: "Glazing" and where required, safety glazing to conform with SANS 1263, complete with standard ironmongery, including weatherproofing sealing on both sides with "DOWSIL 890-SL" (or equivalent) silicone joint sealant and fixing into brickwork or concrete, complete (Refer to Architect's Door Schedule - Drawing 603a & 603b)</u>					
2/12/41	Purpose made powder coated aluminium door size 813 x 2100mm including frame, transom and 2 No. fixed panels of 6.38mm clear laminated safety glass, including ironmongery, complete (Door DT 11)	No	1		
2/12/42	Purpose made powder coated aluminium door size 820 x 2300mm including frame, transom and 1 No. fixed panel of 6.38mm clear laminated safety glass, including ironmongery, complete (Door DT 20)	No	1		
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BILLS OF QUANTITIES

2/12/43	Purpose made powder coated aluminium door size 840 x 2100mm including frame, transom and 2 No. fixed panels of 6.38mm clear laminated safety glass, including ironmongery, complete (Door DT 26)	No	1		
2/12/44	Purpose made powder coated aluminium door size 900 x 2100mm including frame, transom and 2 No. fixed panels of 6.38mm clear laminated safety glass, including ironmongery, complete (Door DT 25)	No	3		
2/12/45	Purpose made powder coated aluminium double door size 1245 x 2210mm including frame, transom and 4No. fixed panels of 6.38mm clear laminated safety glass, including ironmongery, complete (Door DT 08)	No	1		
2/12/46	Purpose made powder coated aluminium door size 1302 x 2720mm including frame, fanlight and sidelight, transom and No. 2 fixed panels of 6.38mm clear laminated safety glass, including ironmongery, complete (Door DT 02)	No	1		
2/12/47	Purpose made powder coated aluminium double door size 1500 x 2225mm including frame, transom and 4No. fixed panels of 6.38mm clear laminated safety glass, including ironmongery, complete (Door DT 01)	No	5		
2/12/48	Purpose made powder coated aluminium shopfront size 3144 x 2100mm including door, frame, transom and 3No. fixed panels of 6.38mm clear laminated safety glass, including ironmongery, complete (Door DT 05)	No	1		
	<u>BURGLAR BARS</u>				
	<u>Epoxy coated hot dipped galvanised steel burglar bars composed of 30 x 8mm thick GMS flat bar outer frame, and transoms welded to 16mm diameter solid galvanized rods secured at intervals indicated on drawings to suit window opening secured to internal window reveals with and including M12 x 90mm wall anchors including washers (minimum 2 per side) and 15mm diameter mild steel pipe sleeves, burglar proofing to line up with mullions and transoms (Refer to Architect's Drawing no. 605 - Burglar Bar Schedule)</u>				
2/12/49	350 x 900mm High overall to suit window Type 7 complete (Burglar Bar Type G)	No	6		
2/12/50	350 x 1450mm High overall to suit window Type 3 complete (Burglar Bar Type C)	No	4		
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BILLS OF QUANTITIES

2/12/51	600 x 900mm High overall to suit window Type 10 complete (Burglar Bar Type J)	No	1		
2/12/52	750 x 900mm High overall to suit window Type 4 and 11 complete (Burglar Bar Type D & Type K)	No	5		
2/12/53	1200 x 900mm High overall to suit window Type 9 complete (Burglar Bar Type I)	No	9		
2/12/54	1200 x 1200mm High overall to suit window Type 5 and 6 complete (Burglar Bar Type E & Type F)	No	6		
2/12/55	1320 x 1955mm High overall to suit window Type 2 complete (Burglar Bar Type B)	No	4		
2/12/56	1970 x 1955mm High overall to suit window Type 1 complete (Burglar Bar Type A)	No	53		
2/12/57	2150 x 1500mm High overall to suit window Type 12 complete (Burglar Bar Type L)	No	3		
2/12/58	5230 x 900mm High overall to suit window Type 8 complete (Burglar Bar Type H)	No	3		
	<u>GALVANISED GATES</u>				
	<u>Welded mild steel gates to concrete/brickwork complete including all fixings, cleats, support posts, lockboxes, ironmongery as per Architect's schedule and manufacturer's specifications</u>				
	References given in descriptions refer to the respective details on the schedule drawing No. 604b and 609				
2/12/59	5375 x 2350mm Galvanised mild steel sliding gate consisting of 75 x 75 x 3mm hollow section frame, with 30 x 30mm posts in-between spaced at 150mm centres, with steel columns 2530mm high cast into and including foundations to posts and gate track, wheels and track to manufacturer's specifications, track anchors cast into concrete foundations including all brackets, guides and fixings, including additional steel members to top of post to allow for and including flat razor wire to top of gate as indicated on Architect's drawing No. 609 - Gate Schedule	No	1		
2/12/60	'Centurion' (or equal and approved) D10 Turbo-Smart gate motor	No	1		
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BILLS OF QUANTITIES

2/12/61	7000 x 2350mm Galvanised mild steel sliding gate consisting of 75 x 75 x 3mm hollow section frame, with ClearVu (or equivalent) security mesh fencing infill panel of 3mm diameter wire with 76.2 x 12.7mm apertures, with steel columns 2530mm high cost into and including foundations to posts and gate track, wheels and track to manufacturer's specifications, track anchors cast into concrete foundations including all brackets, guides and fixings, including additional steel members to top of post to allow for and including electric fencing as indicated on Architect's drawing No. 609 - Gate Schedule	No	1	R
2/12/62	'Centurion' (or equivalent) D20 Turbo-Smart gate motor	No	1	
2/12/63	900 x 2100mm High duct gate of hollow square section framing to head, jambs, bottom rail and middle rail, with 20mm diameter solid vertical stiles at 100mm centres below and above middle rails drilled through 30 x 5mm horizontal flat bars welded to frame, including all ironmongery as per manufacturer's specifications, complete (Refer to Architect's Drawing no. 604b - Type 15)	No	1	
2/12/64	1100 x 2405mm High single security gate of 50 x 50 x 3mm square hollow section framing to head, jambs, bottom rail and middle rail, with ClearVu (or equivalent) security mesh fencing panels of 3mm diameter wire with 76.2 x 12.7mm apertures, with 3No. pivot hinges welded to posts. Gate to include 2 No. posts 2530mm high on either side, of 75 x 75 x 3mm square hollow section steel, with 50 x 50mm steel hollow members 475mm high added to top of posts to allow for and including electric fencing (As per Architect's Drawing No. 609)	No	1	
2/12/65	1470 x 1500mm High duct double gate of hollow square section framing to head, jambs and bottom rail, with 20mm diameter solid vertical stiles at 100mm centres drilled through 30 x 5mm horizontal flat bars welded to frame, including all ironmongery as per manufacturer's specifications, complete (Refer to Architect's Drawing no. 604b - Type 18)	No	1	
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<u>STEEL ROLLER SHUTTERS, ETC.</u>					
<u>"Action Steel" (or equivalent) approved galvanised steel roller shutters fixed to brickwork or concrete</u>					
2/12/66	Electrically operated push up roller shutter for 4000 x 3742mm high opening (DT 12)	No	1		
2/12/67	Electrically operated push up roller shutter for 4500 x 4360mm high opening (DT 07)	No	2		
Carried to Collection					R
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