

BLOCK B: ADMINISTRATION, MAIN CENTRAL AREA**ELECTRICAL INSTALLATION****PROVISIONAL BILLS OF QUANTITIES****SECTION A**

Item	Description	Qty	Unit	Rate	Amount
1.1	Distribution Boards Supply, installation and commissioning of Kiosk, Distribution Boards, including all circuit breakers (as per load schedule), earthing straps, labels the making off of wire connections (external wiring, conduit, armoured cable and terminations given elsewhere). All DB's are to be equipped with a three phase or single phase surge arrester. Special note, the accessories are inclusive on the quoted price				
1.1.1	Distribution Board	Supply Install	1 1	No. No.	
1.1.2	Security System Installation of Camera Sytem equipment and All Access Control Systems as specified of the Detailed Specification.				
1.1.2.1	360 Degree resolution CCTV Camera	Supply Install	6 6	No. No.	
1.1.2.3	Double Door Access Controller Panel	Supply Install	3 3	No. No.	
1.1.2.4	Fingerprint Keypad Reader-Standalone	Supply Install	3 3	No. No.	
1.1.2.5	Magnetic Lock 544 KG Holding Force	Supply Install	3 3	No. No.	
1.1.2.6	Emergency Door Release Call Point (Breaker Glass)	Supply Install	3 3	No. No.	
1.2	Ancillary Distribution Boards and Outlets Supply and installation of the following metal Ancillary Distribution Boards and coverplates for Data and Telephone outlets. (Conduit and Conduit boxes given elsewhere).				
1.2.1	Telephone Distribution Board (450mm x 450mm).	Supply Install	1 1	No. No.	
1.2.2	Data Distribution Board (450mm x 450mm)	Supply Install	1 1	No. No.	
1.2.4	Data, Telephone and Ancillary Coverplates	Supply Install	17 17	No. No.	
1.3	Cables Supply, delivery and laying of PVC/SWA/PVC ECC Aluminium cables as specified, excluding terminations and cable supports. Lengths given shall be taken as measured lengths to cable runs from terminal to terminal and rates quoted shall include for off-cuts.				
1.3.1	35mm ² 4C Aluminium Cable PVC Mains 600/1000V	Supply Install	65 65	m m	
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Item	Description	Qty	Unit	Rate
1.4	Cable Terminations Including the supply and fitting of Pratley Cable gland, shroud, making off the cable and fitting the gland to gland plates, switchgear or equipment including final connections of cable tails with lugs onto board terminals and including earth in ECC cable.			
1.4.1	35mm ² 4C Aluminium Cable PVC Mains 600/1000V	Supply 2 Install 2	No. No.	
1.5	Cable Sleeves Supply and Installation of Cable Sleeves as specified, in trenches			
1.5.1	110mm Ø Flexible Cable Sleeve	Supply 65 Install 65	m m	
1.6	EXCAVATIONS In trenches for cables and sleeves extra over soft excavation intermediate extra over soft excavation in hard rock	65 65 65	m3 m3 m3	
1.7	Conduit Supply and installation of PVC conduit. Lengths given shall be taken as measured horizontal and vertical runs between conduit terminations. Rates quoted shall allow for wastage, offcuts, couplings, cuttings, bending, jointing socket and tees.			
1.7.1	25mm Conduit	Supply 850 Install 850	m m	
1.8	Conduit Boxes and Ends Terminate and connect one pair of conduit ends including supply and installation of 1, 2, 3 or 4 way box on surface or in brickwork. (excluding coverplates), including holes for conduit.			
1.8.1	25mm Conduit (100 x 100mm) Galvanized Box	Supply 81 Install 81	No. No.	
1.9	Conduit Ends Terminate and connect one pair of conduit ends including lock nuts, bushes, etc. connecting into board tray, wiring channel etc. including cutting holes for conduit entries, but excluding conduit box.			
1.9.1	25mm uPVC Conduit	Supply 81 Install 81	No. No.	
1.10	Conductors Supply and installation of PVC insulated copper conductors drawn into conduit or wiring channel in groups of 2, 3, 4, etc. with the required colour coding, but excluding any wiring connections.			
1.10.1	2,5 mm ² PVC Conductors Red	Supply 800 Install 800	m m	
	2,5 mm ² PVC Conductors Black	Supply 800 Install 800	m m	
	2,5 mm ² PVC Conductors Pink	Supply 800 Install 800	m m	
	4 x 2 PVC Wall Box	Supply 21 Install 21	No. No.	
	Hospital Saddle	Supply 65 Install 65	No. No.	
Total for Bill No. 1 : Carried Forward to Summary Page				

Item	Description	Qty	Unit	Rate	Amount	
1.10.2	4-Way Box PVC	Supply Install	65 65	No. No.		
	4 mm ² PVC Conductors Blue	Supply Install	500 500	m m		
	4 mm ² PVC Conductors Brown	Supply Install	500 500	m m		
	4 mm ² PVC Conductors Earth	Supply Install	500 500	m m		
	Adaptors 25mm	Supply Install	35 35	No. No.		
	4 x 4 PVC Wall Box	Supply Install	40 40	No. No.		
	Coupling 25mm	Supply Install	50 50	No. No.		
	<u>Light Switches</u>					
	Supply, fitting and electrical connection of a Legrand type flush or surface mounted 16A switch in 100 x 50 excluding box (for flush type) and conduit connections, but including cover plates.					
	1.12.1	16A 1 Lever 1 Way	Supply Install	18 18	No. No.	
1.12.2	16A 1 Lever 2 Way	Supply Install	4 4	No. No.		
1.13	<u>Luminaires</u>					
Mounting, fixing and electrically connecting the following luminaires, complete with lamps as specified in Section E of the Detailed Specification.						
1.13.1	Type B1 50w 1200 x 600 LED Panel Surface Mount Non-Dimmable, 3400lm, 5000k, as per Regent, Beka, Rubicon	Supply Install	44 44	No. No.		
1.13.5	Type J1.1 Round LED Bulkhead Light, 18w, 220-240v ac, IP54	Supply Install	16 16	No. No.		
1.14	<u>Daylight Switch</u>					
Supply and installation of approved daylight switch.						
1.14.1	Daylight Switch	Supply Install	1 1	No. No.		
1.15.2	Elbows Internal/External	Supply Install	20 20	No. No.		
1.15.3	End Caps	Supply Install	20 20	No. No.		
1.15.4	Cover Joiner Clips	Supply Install	20 20	No. No.		
1.15.5	16A SSO's c/w cover on Powerskirting	Supply Install	12 12	No. No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description	Qty	Unit	Rate	Amount
1.16	Socket Outlets Supply, fitting and electrical connection of flush or surface mounted Legrand type switched socket in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate.				
1.16.1	5A Single SSO c/w coverplate.Legrand type.	Supply Install	No. No.		
1.16.2	16A Double SSO c/w coverplate.Legrand type.	Supply 16 Install 16	No. No.		
1.16.3	16A Dedicated Double SSO c/w coverplate.Legrand type.	Supply 24 Install 24	No. No.		
1.16.4	Powerskirting, Legrand Type	Supply 30 Install 30	m m		
1.16.5	RJ11 Connector with cradle/ cover and mod blank, Legrand Type	Supply 12 Install 12	No No		
1.16.6	RJ45 Connector with cradle/ cover mod blank, Legrand Type	Supply 12 Install 12	No No		
1.17	Isolators Supply, fitting and electrical connection of flush or surface mounted Metal Clad Isolators in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate. For more details please refer to the specific drawings				
1.17.1	20A Double2 Pole Flush waterproof Isolator for HVAC	Supply 6 Install 6	No. No.		
1.17.2	32A Double-Pole waterproof Isolator for Handdryer	Supply 1 Install 1	No. No.		
1.17.3	20A 2 Pole Flush waterproof Isolator - Geyser	Supply 2 Install 2	No. No.		
1.18	Electrical connection of appliances and installations.				
1.18.1	Total Airconditioning Plant (Internal/External Units): Single and three phase	Connect 6	No.		
1.18.2	Hand dryers	Connect 1	No.		
1.19	TELEPHONE INSTALLATION Supply and installation of the following items for the Telephone Installation				
1.19.1	25mm PVC Conduit	Supply 130 Install 130	m m		
1.19.2	25mm PVC Conduit end	Supply 11 Install 11	No. No.		
1.19.3	25mm PVC Conduit box	Supply 11 Install 11	No. No.		
1.20	DATA INSTALLATION Supply and installation of the following items for the Data installation				
1.20.1	25mm PVC Conduit	Supply 130 Install 130	m m		
1.20.2	25mm PVC Conduit end	Supply 11 Install 11	No. No.		
Total for Bill No. 1 : Carried Forward to Summary Page					

Item	Description	Qty	Unit	Rate	Amount
1.20.3	25mm PVC Conduit box	Supply Install	11 11	No. No.	
1.20.4	UPS Supply and install of UPS for IT and electronic equipment housed in the server room. Capacity 6KVA, or a minimum of 2 hours backup	Supply Install	1 1	No. No.	
1.20.5	IT Server Cabinet Complete Wi-fi and network points to all rooms, security, Admin building.Refer to technical specification for system details.Detail design and layout to be done by contractor. 2 Main fibre feeds to be provide. All sever room compete supply of server and all accessories, including 48 Port Gigabit PoE Managed Switch, 12 Port SFP+ Router, 24 port CAT6 shielded patch panel, 42U 1M Deep Cabinet and all accessories. Fans,shelves., 8 Way C13 IEC Aluminium Rack Mount PDU-With surge protection, Cat6 Flylead, Fibre Patch Panel and associated assessories, Environment Monitoring Kit-In main server rooms Supply,install,program and layout of 6 wireless routes (one per block). All equipment to be preapproved by Engineer	Supply Install	1 1	No. No.	
1.20.6	LAN points Supply and install cat 6A Shielded cable LAN from server room to each LAN point Included wall box and patch lead to device & Labour for each point.incl cable. Termination on field and server patch panel	Supply Install	55 55	No. No.	
1.21	Nurse Call System Supply and installation of approved Nurse Call System.				
1.20.1	Nurse call Panel	Supply Install	1 1	No. No.	
1.20.2	PA System	Supply Install	1 1	No. No.	
1.20.3	Microphone	Supply Install	1 1	No. No.	
1.20.4	Loud Speaker	Supply Install	3 3	No. No.	
Total for Bill No. 1 : Carried Forward to Summary Page					

BLOCK - F - CHRONIC CARE**ELECTRICAL INSTALLATION****PROVISIONAL BILLS OF QUANTITIES****SECTION A**

Item	Description		Qty	Unit	Rate	Amount
1.1	Security System Installation of Camera Sytem equipment and All Access Control Systems as specified of the Detailed Specification.					
1.1.1	360 Degree resolution CCTV Camera	Supply	4	No.		
		Install	4	No.		
1.1.2	Double Door Access Controller Panel	Supply	2	No.		
		Install	2	No.		
1.1.3	Fingerprint Keypad Reader-Standalone	Supply	2	No.		
		Install	2	No.		
1.1.4	Magnetic Lock 544 KG Holding Force	Supply	2	No.		
		Install	2	No.		
1.1.5	Emergency Door Release Call Point (Breaker Glass)	Supply	2	No.		
		Install	2	No.		
1.2	Ancillary Distribution Boards and Outlets Supply and installation of the following metal Ancillary Distribution Boards and coverplates for Data and Telephone outlets. (Conduit and Conduit boxes given elsewhere).					
1.2.1	Data, Telephone and Ancillary Coverplates	Supply	8	No.		
		Install	8	No.		
1.5	Cable Sleeves Supply and Installation of Cable Sleeves as specified, in trenches					
1.6	Conduit Supply and installation of PVC conduit. Lengths given shall be taken as measured horizontal and vertical runs between conduit terminations. Rates quoted shall allow for wastage, offcuts, couplings, cuttings, bending, jointing socket and tees.					
1.6.1	25mm Conduit	Supply	330	m		
		Install	330	m		
1.7	Conduit Boxes and Ends Terminate and connect one pair of conduit ends including supply and installation of 1, 2, 3 or 4 way box on surface or in brickwork. (excluding coverplates), including holes for conduit.					
1.7.1	25mm Conduit (100 x 100mm) Galvanized Box	Supply	20	No.		
		Install	20	No.		
1.8	Conduit Ends Terminate and connect one pair of conduit ends including lock nuts, bushes, etc. connecting into board tray, wiring channel etc. including cutting holes for conduit entries, but excluding conduit box.					
1.8.1	25mm uPVC Conduit	Supply	20	No.		
		Install	20	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate	Amount
1.9	<u>Conductors</u> Supply and installation of PVC insulated copper conductors drawn into conduit or wiring channel in groups of 2, 3, 4, etc. with the required colour coding, but excluding any wiring connections.					
1.9.1	2,5 mm² PVC Conductors Red	Supply	300	m		
		Install	300	m		
	2,5 mm² PVC Conductors Black	Supply	300	m		
		Install	300	m		
	2,5 mm² PVC Conductors Pink	Supply	300	m		
		Install	300	m		
	4 x 2 PVC Wall Box	Supply	8	No.		
		Install	8	No.		
	Hospital Saddle	Supply	15	No.		
		Install	15	No.		
	4-Way Box PVC	Supply	10	No.		
		Install	10	No.		
1.9.2	4 mm² PVC Conductors Blue	Supply	150	m		
		Install	150	m		
	4 mm² PVC Conductors Brown	Supply	150	m		
		Install	150	m		
	4 mm² PVC Conductors Earth	Supply	100	m		
		Install	100	m		
	Adaptors 25mm	Supply	15	No.		
		Install	15	No.		
	4 x 4 PVC Wall Box	Supply	13	No.		
		Install	13	No.		
	Coupling 25mm	Supply	10	No.		
		Install	10	No.		
1.10.	<u>Light Switches</u> Supply, fitting and electrical connection of a Legrand type flush or surface mounted 16A switch in 100 x 50 excluding box (for flush type) and conduit connections, but including cover plates.					
1.10.1	16A 1 Lever 1 Way	Supply	6	No.		
		Install	6	No.		
1.10.2	16A 1 Lever 2 Way	Supply	2	No.		
		Install	2	No.		
1.11	<u>Luminaires</u> Mounting, fixing and electrically connecting the following luminaires, complete with lamps as specified in Section E of the Detailed Specification.					
1.11.1	Type B1 50w 1200 x 600 LED Panel Surface Mount Non-Dimmable, 3400lm, 5000k, as per Regent, Beka, Rubicon	Supply	28	No.		
		Install	28	No.		
1.11.2	Type J1.1 Round LED Bulkhead Light, 18w, 220-240v ac, IP54	Supply	10	No.		
		Install	10	No.		
1.12	<u>Daylight Switch</u> Supply and installation of approved daylight switch.					
1.12.1	Daylight Switch	Supply	1	No.		
		Install	1	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate	Amount
1.12.2	Elbows Internal/External	Supply	10	No.		
		Install	10	No.		
1.12.3	End Caps	Supply	10	No.		
		Install	10	No.		
1.12.4	Cover Joiner Clips	Supply	10	No.		
		Install	10	No.		
1.12.5	16A SSO's c/w cover on Powerskirting	Supply	13	No.		
		Install	13	No.		
1.13	Socket Outlets Supply, fitting and electrical connection of flush or surface mounted Legrand type switched socket in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate.					
1.13.1	5A Single SSO c/w coverplate.Legrand type.	Supply	2	No.		
		Install	2	No.		
1.13.2	16A Double SSO c/w coverplate.Legrand type.	Supply	2	No.		
		Install	2	No.		
1.13.3	16A Dedicated Double SSO c/w coverplate.Legrand type.	Supply	8	No.		
		Install	8	No.		
1.13.4	16A UPS Single SSO c/w coverplate.Legrand type.	Supply	3	No.		
		Install	3	No.		
1.13.5	Powerskirting, Legrand Type	Supply	26	m		
		Install	26	m		
1.13.6	RJ11 Connector with cradle/ cover and mod blank	Supply	4	No		
		Install	4	No		
1.13.7	RJ45 Connector with cradle/ cover mod blank	Supply	4	No		
		Install	4	No		
1.14	Isolators Supply, fitting and electrical connection of flush or surface mounted Metal Clad Isolators in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate. For more details please refer to the specific drawings					
1.14.1	20A Double2 Pole Flush waterproof Isolator for HVAC	Supply	4	No.		
		Install	4	No.		
1.14.2	32A Double-Pole waterproof Isolator for Handdryer	Supply	2	No.		
		Install	2	No.		
1.14.3	5A 2 Pole Flush waterproof Isolator	Supply	1	No.		
		Install	1	No.		
1.14.4	20A 2 Pole Flush waterproof Isolator - Geyser	Supply	1	No.		
		Install	1	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate	Amount
1.15	<u>Electrical connection of appliances and installations.</u>					
1.15.1	Total Airconditioning Plant (Internal/External Units): Single and three phase	Connect	4	No.		
1.16	TELEPHONE INSTALLATION Supply and installation of the following items for the Telephone Installation					
1.16.1	25mm PVC Conduit	Supply	50	m		
		Install	50	m		
1.16.2	25mm PVC Conduit end	Supply	8	No.		
		Install	8	No.		
1.16.3	25mm PVC Conduit box	Supply	5	No.		
		Install	5	No.		
1.17	DATA INSTALLATION Supply and installation of the following items for the Data installation					
1.17.1	25mm PVC Conduit	Supply	50	m		
		Install	50	m		
1.17.2	25mm PVC Conduit end	Supply	8	No.		
		Install	8	No.		
1.17.3	25mm PVC Conduit box	Supply	5	No.		
		Install	5	No.		
1.18	<u>Nurse Call System</u> Supply and installation of approved Nurse Call System.					
1.18.1	Loud Speaker	Supply	1	No.		
		Install	1	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

BLOCK - E - ACUTE CARE**ELECTRICAL INSTALLATION****PROVISIONAL BILLS OF QUANTITIES****SECTION A**

Item	Description	Qty	Unit	Rate	Amount
1.1	Security System Installation of Camera Sytem equipment and All Access Control Systems as specified of the Detailed Specification.				
1.1.1	360 Degree resolution CCTV Camera	Supply Install	5 5	No. No.	
1.1.2	Double Door Access Controller Panel	Supply Install	2 2	No. No.	
1.1.3	Fingerprint Keypad Reader-Standalone	Supply Install	2 2	No. No.	
1.1.4	Magnetic Lock 544 KG Holding Force	Supply Install	2 2	No. No.	
1.1.5	Emergency Door Release Call Point (Breaker Glass)	Supply Install	2 2	No. No.	
1.2	Ancillary Distribution Boards and Outlets Supply and installation of the following metal Ancillary Distribution Boards and coverplates for Data and Telephone outlets. (Conduit and Conduit boxes given elsewhere).				
1.2.1	Data, Telephone and Ancillary Coverplates	Supply Install	6 6	No. No.	
1.3	Conduit Supply and installation of PVC conduit. Lengths given shall be taken as measured horizontal and vertical runs between conduit terminations. Rates quoted shall allow for wastage, offcuts, couplings, cuttings, bending, jointing socket and tees.				
1.3.1	25mm Conduit	Supply Install	300 300	m m	
1.4	Conduit Boxes and Ends Terminate and connect one pair of conduit ends including supply and installation of 1, 2, 3 or 4 way box on surface or in brickwork. (excluding coverplates), including holes for conduit.				
1.4.1	25mm Conduit (100 x 100mm) Galvanized Box	Supply Install	20 20	No. No.	
1.5	Conduit Ends Terminate and connect one pair of conduit ends including lock nuts, bushes, etc. connecting into board tray, wiring channel etc. including cutting holes for conduit entries, but excluding conduit box.				
1.5.1	25mm uPVC Conduit	Supply Install	25 25	No. No.	
Total for Bill No. 1 : Carried Forward to Summary Page					

Item	Description	Qty	Unit	Rate	Amount
1.6	<u>Conductors</u> Supply and installation of PVC insulated copper conductors drawn into conduit or wiring channel in groups of 2, 3, 4, etc. with the required colour coding, but excluding any wiring connections.				
1.6.1	2,5 mm ² PVC Conductors Red	Supply 200 Install 200	m m		
	2,5 mm ² PVC Conductors Black	Supply 200 Install 200	m m		
	2,5 mm ² PVC Conductors Pink	Supply 200 Install 200	m m		
	4 x 2 PVC Wall Box	Supply 9 Install 9	No. No.		
	Hospital Saddle	Supply 15 Install 15	No. No.		
	4-Way Box PVC	Supply 10 Install 10	No. No.		
1.6.2	4 mm ² PVC Conductors Blue	Supply 150 Install 150	m m		
	4 mm ² PVC Conductors Brown	Supply 150 Install 150	m m		
	4 mm ² PVC Conductors Earth	Supply 100 Install 100	m m		
	Adaptors 25mm	Supply 15 Install 15	No. No.		
	4 x 4 PVC Wall Box	Supply 14 Install 14	No. No.		
	Coupling 25mm	Supply 10 Install 10	No. No.		
1.7	<u>Light Switches</u> Supply, fitting and electrical connection of a Legrand type flush or surface mounted 16A switch in 100 x 50 excluding box (for flush type) and conduit connections, but including cover plates.				
1.7.1	16A 1 Lever 1 Way	Supply 8 Install 8	No. No.		
1.7.2	16A 1 Lever 2 Way	Supply 2 Install 2	No. No.		
1.8	<u>Luminaires</u> Mounting, fixing and electrically connecting the following luminaires, complete with lamps as specified in Section E of the Detailed Specification.				
1.8.1	Type B1 50w 1200 x 600 LED Panel Surface Mount Non-Dimmable, 3400lm, 5000k, as per Regent, Beka, Rubicon	Supply 24 Install 24	No. No.		
1.8.2	Type J1.1 Round LED Bulkhead Light, 18w, 220-240v ac, IP54	Supply 12 Install 12	No. No.		
1.9	<u>Daylight Switch</u> Supply and installation of approved daylight switch.				
1.9.1	Daylight Switch	Supply 1 Install 1	No. No.		
1.9.2	Elbows Internal/External	Supply 10 Install 10	No. No.		
1.9.3	End Caps	Supply 10 Install 10	No. No.		
Total for Bill No. 1 : Carried Forward to Summary Page					

Item	Description		Qty	Unit	Rate	Amount
1.9.4	Cover Joiner Clips	Supply	10	No.		
		Install	10	No.		
1.9.5	16A SSO's c/w cover on Powerskirting	Supply	9	No.		
		Install	9	No.		
1.10.	Socket Outlets					
	Supply, fitting and electrical connection of flush or surface mounted Legrand type switched socket in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate.					
1.10.1	5A Single SSO c/w coverplate.Legrand type.	Supply	2	No.		
		Install	2	No.		
1.10.2	16A Double SSO c/w coverplate.Legrand type.	Supply	3	No.		
		Install	3	No.		
1.10.3	16A Dedicated Double SSO c/w coverplate.Legrand type.	Supply	8	No.		
		Install	8	No.		
1.10.4	16A UPS Single SSO c/w coverplate.Legrand type.	Supply	3	No.		
		Install	3	No.		
1.10.5	Powerskirting, Legrand Type	Supply	15	m		
		Install	15	m		
1.10.6	RJ11 Connector with cradle/ cover and mod blank	Supply	13	m		
		Install	13	m		
1.10.7	RJ45 Connector with cradle/ cover mod blank	Supply	13	m		
		Install	13	m		
1.11	Isolators					
	Supply, fitting and electrical connection of flush or surface mounted Metal Clad Isolators in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate. For more details please refer to the specific drawings					
1.11.1	20A Double2 Pole Flush waterproof Isolator for HVAC	Supply	4	No.		
		Install	4	No.		
1.11.2	20A 2 Pole Flush waterproof Isolator - Geysar	Supply	4	No.		
		Install	4	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate	Amount
1.12	Electrical connection of appliances and installations.					
1.12.1	Total Airconditioning Plant (Internal/External Units): Single and three phase	Connect	4	No.		
1.13	TELEPHONE INSTALLATION Supply and installation of the following items for the Telephone Installation					
1.13.1	25mm PVC Conduit	Supply	15	m		
		Install	15	m		
1.13.2	25mm PVC Conduit end	Supply	9	No.		
		Install	9	No.		
1.13.3	25mm PVC Conduit box	Supply	5	No.		
		Install	5	No.		
1.14	DATA INSTALLATION Supply and installation of the following items for the Data installation					
1.14.1	25mm PVC Conduit	Supply	15	m		
		Install	15	m		
1.14.2	25mm PVC Conduit end	Supply	8	No.		
		Install	8	No.		
1.14.3	25mm PVC Conduit box	Supply	5	No.		
		Install	5	No.		
1.15	Nurse Call System Supply and installation of approved Nurse Call System.					
1.15.1	Loud Speaker	Supply	1	No.		
		Install	1	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

BLOCK - A - GUARD HOUSE & PUBLIC ABLUTIONS**ELECTRICAL INSTALLATION****PROVISIONAL BILLS OF QUANTITIES****SECTION A**

Item	Description	Qty	Unit	Rate	Amount
1.1	<u>Distribution Boards</u> Supply, installation and commissioning of Kiosk, Distribution Boards, including all circuit breakers (as per load schedule), earthing straps, labels the making off of wire connections (external wiring, conduit, armoured cable and terminations given elsewhere). All DB's are to be equipped with a three phase or single phase surge arrestor. Special note, the accessories are inclusive on the quoted price				
1.1.1	Distribution Board	Supply Install	1 1	No. No.	
1.1.2	<u>Security System</u> Installation of Camera Sytem equipment and All Access Control Systems as specified of the Detailed Specification.				
1.1.2.1	360 Degree resolution CCTV Camera	Supply Install	4 4	No. No.	
1.1.2.3	Double Door Access Controller Panel	Supply Install	1 1	No. No.	
1.1.2.4	Fingerprint Keypad Reader-Standalone	Supply Install	1 1	No. No.	
1.1.2.5	Magnetic Lock 544 KG Holding Force	Supply Install	1 1	No. No.	
1.1.2.7	CCTV Monitor Screen	Supply Install	3 3	No. No.	
1.2	<u>Ancillary Distribution Boards and Outlets</u> Supply and installation of the following metal Ancillary Distribution Boards and coverplates for Data and Telephone outlets. (Conduit and Conduit boxes given elsewhere).				
1.2.1	Data, Telephone and Ancillary Coverplates	Supply Install	11 11	No. No.	
1.3	<u>Cables</u> Supply, delivery and laying of PVC/SWA/PVC ECC Aluminium cables as specified, excluding terminations and cable supports. Lengths given shall be taken as measured lengths to cable runs from terminal to terminal and rates quoted shall include for off-cuts.				
1.3.1	25mm ² 4C Aluminium Cable PVC Mains 600/1000V	Supply Install	80 80	m m	
1.4	<u>Cable Terminations</u> Including the supply and fitting of Pratley Cable gland, shroud, making off the cable and fitting the gland to gland plates, switchgear or equipment including final connections of cable tails with lugs onto board terminals and including earth in ECC cable.				
1.4.1	25mm ² 4C Aluminium Cable PVC Mains 600/1000V	Supply Install	2 2	No. No.	
Total for Bill No. 1 : Carried Forward to Summary Page					

Item	Description	Qty	Unit	Rate
1.5	Cable Sleeves Supply and Installation of Cable Sleeves as specified, in trenches or cast in concrete, excluding trenching or backfilling.			
1.5.1	110mm Ø Flexible Cable Sleeve	Supply Install	80 80	m m
	EXTRA ON upvc piping for: 100mm Diameter long radius bend		80	m3
	EXCAVATIONS			
1.6	In trenches for cables and sleeves		80	m3
	extra over soft excavation intermediate		80	m3
	extra over soft excavation in hard rock		80	m3
1.7	Conduit Supply and installation of PVC conduit. Lengths given shall be taken as measured horizontal and vertical runs between conduit terminations. Rates quoted shall allow for wastage, offcuts, couplings, cuttings, bending, jointing socket and tees.			
1.7.1	25mm Conduit	Supply Install	640 640	m m
1.8	Conduit Boxes and Ends Terminate and connect one pair of conduit ends including supply and installation of 1, 2, 3 or 4 way box on surface or in brickwork. (excluding coverplates), including holes for conduit.			
1.8.1	25mm Conduit (100 x 100mm) Galvanized Box	Supply Install	31 31	No. No.
1.9	Conduit Ends Terminate and connect one pair of conduit ends including lock nuts, bushes, etc. connecting into board tray, wiring channel etc. including cutting holes for conduit entries, but excluding conduit box.			
1.9.1	25mm uPVC Conduit	Supply Install	20 20	No. No.
1.10	Conductors Supply and installation of PVC insulated copper conductors drawn into conduit or wiring channel in groups of 2, 3, 4, etc. with the required colour coding, but excluding any wiring connections.			
1.10.1	2,5 mm ² PVC Conductors Red	Supply Install	420 420	m m
	2,5 mm ² PVC Conductors Black	Supply Install	420 420	m m
	2,5 mm ² PVC Conductors Pink	Supply Install	420 420	m m
	4 x 2 PVC Wall Box	Supply Install	10 10	No. No.
	Hospital Saddle	Supply Install	15 15	No. No.
	4-Way Box PVC	Supply Install	15 15	No. No.
1.10.2	4 mm ² PVC Conductors Blue	Supply Install	500 500	m m
Total for Bill No. 1 : Carried Forward to Summary Page				

Item	Description		Qty	Unit	Rate	Amount
	4 mm² PVC Conductors Brown	Supply	500	m		
		Install	500	m		
	4 mm² PVC Conductors Earth	Supply	500	m		
		Install	500	m		
	Adaptors 25mm	Supply	20	No.		
		Install	20	No.		
	4 x 4 PVC Wall Box	Supply	15	No.		
		Install	15	No.		
	Coupling 25mm	Supply	15	No.		
		Install	15	No.		
1.12	<u>Light Switches</u>					
	Supply, fitting and electrical connection of a Legrand type flush or surface mounted 16A switch in 100 x 50 excluding box (for flush type) and conduit connections, but including cover plates.					
1.12.1	16A 1 Lever 1 Way	Supply	10	No.		
		Install	10	No.		
1.13	<u>Luminaires</u>					
	Mounting, fixing and electrically connecting the following luminaires, complete with lamps as specified in Section E of the Detailed Specification.					
1.13.1	Type B1 50w 1200 x 600 LED Panel Surface Mount Non-Dimmable, 3400lm, 5000k, as per Regent, Beka, Rubicon	Supply	12	No.		
		Install	12	No.		
1.13.5	Type J1.1 Round LED Bulkhead Light, 18w, 220-240v ac, IP54	Supply	21	No.		
		Install	21	No.		
1.14	<u>Daylight Switch</u>					
	Supply and installation of approved daylight switch.					
1.14.1	Daylight Switch	Supply	1	No.		
		Install	1	No.		
1.15.2	Elbows Internal/External	Supply	10	No.		
		Install	10	No.		
1.15.3	End Caps	Supply	10	No.		
		Install	10	No.		
1.15.4	Cover Joiner Clips	Supply	10	No.		
		Install	10	No.		
1.15.5	16A SSO's c/w cover on Powerskirting	Supply	9	No.		
		Install	9	No.		
1.16	<u>Socket Outlets</u>					
	Supply, fitting and electrical connection of flush or surface mounted Legrand type switched socket in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate.					
1.16.1	16A Double SSO c/w coverplate.Legrand type.	Supply	5	No.		
		Install	5	No.		
1.16.2	16A Dedicated Double SSO c/w coverplate.Legrand type.	Supply	10	No.		
		Install	10	No.		
1.16.3	Powerskirting, Legrand Type	Supply	9	m		
		Install	9	m		
1.16.4	RJ11 Connector with cradle/ cover and mod blank	Supply	8	m		
		Install	8	m		
1.16.5	RJ45 Connector with cradle/ cover mod blank	Supply	8	m		
		Install	8	m		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate	Amount
1.17	Isolators Supply, fitting and electrical connection of flush or surface mounted Metal Clad Isolators in either 100 x 100, 100 x 50, round box or wiring channel, excluding box (for flush type) and conduit connections, but including cover plate. For more details please refer to the specific drawings					
1.17.1	20A Double2 Pole Flush waterproof Isolator for HVAC	Supply Install	4 4	No. No.		
1.17.2	32A Double-Pole waterproof Isolator for Handdryer	Supply Install	2 2	No. No.		
1.17.3	20A 4 Pole Flush waterproof Isolator for Scanner & Turnstill gate	Supply Install	2 2	No. No.		
1.17.4	5A 2 Pole Flush waterproof Isolator	Supply Install	2 2	No. No.		
1.17.4	20A 2 Pole Flush waterproof Isolator - Geysers	Supply Install	1 1	No. No.		
1.18	Electrical connection of appliances and installations.					
1.18.1	Total Airconditioning Plant (Internal/External Units): Single and three phase	Connect	4	No.		
1.18.2	Hand dryers	Connect	2	No.		
1.19	TELEPHONE INSTALLATION Supply and installation of the following items for the Telephone Installation					
1.19.1	25mm PVC Conduit	Supply Install	9 9	m m		
1.19.2	25mm PVC Conduit end	Supply Install	5 5	No. No.		
1.19.3	25mm PVC Conduit box	Supply Install	5 5	No. No.		
1.20	DATA INSTALLATION Supply and installation of the following items for the Data installation					
1.20.1	25mm PVC Conduit	Supply Install	9 9	m m		
1.20.2	25mm PVC Conduit end	Supply Install	5 5	No. No.		
1.20.3	25mm PVC Conduit box	Supply Install	5 5	No. No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

BLOCK - E - PREVENTIVE & PROMOTIVE**ELECTRICAL INSTALLATION****PROVISIONAL BILLS OF QUANTITIES****SECTION A**

Item	Description		Qty	Unit	Rate	Amount
1.1	Security System Installation of Camera Sytem equipment and All Access Control Systems as specified of the Detailed Specification.					
1.1.1	360 Degree resolution CCTV Camera	Supply	1	No.		
		Install	1	No.		
1.1.2	Double Door Access Controller Panel	Supply	2	No.		
		Install	2	No.		
1.1.3	Fingerprint Keypad Reader-Standalone	Supply	2	No.		
		Install	2	No.		
1.1.4	Magnetic Lock 544 KG Holding Force	Supply	2	No.		
		Install	2	No.		
1.1.5	Emergency Door Release Call Point (Breaker Glass)	Supply	2	No.		
		Install	2	No.		
1.2	<u>Ancillary Distribution Boards and Outlets</u> Supply and installation of the following metal Ancillary Distribution Boards and coverplates for Data and Telephone outlets. (Conduit and Conduit boxes given elsewhere).					
1.2.1	Data, Telephone and Ancillary Coverplates	Supply	8	No.		
		Install	8	No.		
1.3	<u>Conduit</u> Supply and installation of PVC conduit. Lengths given shall be taken as measured horizontal and vertical runs between conduit terminations. Rates quoted shall allow for wastage, offcuts, couplings, cuttings, bending, jointing socket and tees.					
1.3.1	25mm Conduit	Supply	250	m		
		Install	250	m		
1.4	<u>Conduit Boxes and Ends</u> Terminate and connect one pair of conduit ends including supply and installation of 1, 2, 3 or 4 way box on surface or in brickwork. (excluding coverplates), including holes for conduit.					
1.4.1	25mm Conduit (100 x 100mm) Galvanized Box	Supply	20	No.		
		Install	20	No.		
1.5	<u>Conduit Ends</u> Terminate and connect one pair of conduit ends including lock nuts, bushes, etc. connecting into board tray, wiring channel etc. including cutting holes for conduit entries, but excluding conduit box.					
1.5.1	25mm uPVC Conduit	Supply	25	No.		
		Install	25	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description	Qty	Unit	Rate	Amount
1.6	Conductors Supply and installation of PVC insulated copper conductors drawn into conduit or wiring channel in groups of 2, 3, 4, etc. with the required colour coding, but excluding any wiring connections.				
1.6.1	2,5 mm ² PVC Conductors Red	Supply 300 Install 300	m m		
	2,5 mm ² PVC Conductors Black	Supply 300 Install 300	m m		
	2,5 mm ² PVC Conductors Pink	Supply 300 Install 300	m m		
	4 x 2 PVC Wall Box	Supply 9 Install 9	No. No.		
	Hospital Saddle	Supply 15 Install 15	No. No.		
	4-Way Box PVC	Supply 10 Install 10	No. No.		
1.6.2	4 mm ² PVC Conductors Blue	Supply 150 Install 150	m m		
	4 mm ² PVC Conductors Brown	Supply 150 Install 150	m m		
	4 mm ² PVC Conductors Earth	Supply 100 Install 100	m m		
	Adaptors 25mm	Supply 15 Install 15	No. No.		
	4 x 4 PVC Wall Box	Supply 16 Install 16	No. No.		
	Coupling 25mm	Supply 10 Install 10	No. No.		
1.7	Light Switches Supply, fitting and electrical connection of a Legrand type flush or surface mounted 16A switch in 100 x 50 excluding box (for flush type) and conduit connections, but including cover plates.				
1.7.1	16A 1 Lever 1 Way	Supply 7 Install 7	No. No.		
1.7.2	16A 1 Lever 2 Way	Supply 4 Install 4	No. No.		
1.8	Luminaires Mounting, fixing and electrically connecting the following luminaires, complete with lamps as specified in Section E of the Detailed Specification.				
1.8.1	Type B1 50w 1200 x 600 LED Panel Surface Mount Non-Dimmable, 3400lm, 5000k, as per Regent, Beka, Rubicon	Supply 27 Install 27	No. No.		
1.8.2	Type J1.1 Round LED Bulkhead Light, 18w, 220-240v ac, IP54	Supply 8 Install 8	No. No.		
1.9	Daylight Switch Supply and installation of approved daylight switch.				
1.9.1	Daylight Switch	Supply 1 Install 1	No. No.		
Total for Bill No. 1 : Carried Forward to Summary Page					

Item	Description		Qty	Unit	Rate	Amount
1.9.2	Elbows Internal/External	Supply	10	No.		
		Install	10	No.		
1.9.3	End Caps	Supply	10	No.		
		Install	10	No.		
1.9.4	Cover Joiner Clips	Supply	10	No.		
		Install	10	No.		
1.9.5	16A SSO's c/w cover on Powerskirting	Supply	12	No.		
		Install	12	No.		
1.10.	Socket Outlets Supply, fitting and electrical connection of flush or surface mounted Legrand type switched socket in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate.					
1.10.1	5A Single SSO c/w coverplate.Legrand type.	Supply	2	No.		
		Install	2	No.		
1.10.2	16A Double SSO c/w coverplate.Legrand type.	Supply	6	No.		
		Install	6	No.		
1.10.3	16A Dedicated Double SSO c/w coverplate.Legrand type.	Supply	9	No.		
		Install	9	No.		
1.10.4	16A UPS Single SSO c/w coverplate.Legrand type.	Supply	3	No.		
		Install	3	No.		
1.10.5	Powerskirting, Legrand Type	Supply	20	m		
		Install	20	m		
1.10.6	RJ11 Connector with cradle/ cover and mod blank	Supply	4	No.		
		Install	4	No.		
1.10.7	RJ45 Connector with cradle/ cover mod blank	Supply	4	No.		
		Install	4	No.		
1.11	Isolators Supply, fitting and electrical connection of flush or surface mounted Metal Clad Isolators in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate. For more details please refer to the specific drawings					
1.11.1	20A Double2 Pole Flush waterproof Isolator for HVAC	Supply	4	No.		
		Install	4	No.		
1.11.2	5A 2 Pole Flush waterproof Isolator	Supply	1	No.		
		Install	1	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate	Amount
1.12	<u>Electrical connection of appliances and installations.</u>					
1.12.1	Total Airconditioning Plant (Internal/External Units): Single and three phase	Connect	4	No.		
1.13	TELEPHONE INSTALLATION Supply and installation of the following items for the Telephone Installation					
1.13.1	25mm PVC Conduit	Supply	35	m		
		Install	35	m		
1.13.2	25mm PVC Conduit end	Supply	9	No.		
		Install	9	No.		
1.13.3	25mm PVC Conduit box	Supply	5	No.		
		Install	5	No.		
1.14	DATA INSTALLATION Supply and installation of the following items for the Data installation					
1.14.1	25mm PVC Conduit	Supply	35	m		
		Install	35	m		
1.14.2	25mm PVC Conduit end	Supply	8	No.		
		Install	8	No.		
1.14.3	25mm PVC Conduit box	Supply	5	No.		
		Install	5	No.		
1.15	<u>Nurse Call System</u> Supply and installation of approved Nurse Call System.					
1.15.1	Loud Speaker	Supply	1	No.		
		Install	1	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

BLOCK - C & D - SERVICE ACCESS, EMERGENCY & SUPPORT SERVICE**ELECTRICAL INSTALLATION****PROVISIONAL BILLS OF QUANTITIES****SECTION A**

Item	Description		Qty	Unit	Rate	Amount
1.1	<u>Distribution Boards</u> Supply, installation and commissioning of Kiosk, Distribution Boards, including all circuit breakers (as per load schedule), earthing straps, labels the making off of wire connections (external wiring, conduit, armoured cable and terminations given elsewhere). All DB's are to be equipped with a three phase or single phase surge arrestor. Special note, the accessories are inclusive on the quoted price					
1.1.1	Distribution Board	Supply	1	No.		
		Install	1	No.		
1.1.2	<u>Security System</u> Installation of Camera Sytem equipment and All Access Control Systems as specified of the Detailed Specification.					
1.1.2.1	360 Degree resolution CCTV Camera	Supply	4	No.		
		Install	4	No.		
1.1.2.3	Double Door Access Controller Panel	Supply	1	No.		
		Install	1	No.		
1.1.2.4	Fingerprint Keypad Reader-Standalone	Supply	1	No.		
		Install	1	No.		
1.1.2.5	Magnetic Lock 544 KG Holding Force	Supply	1	No.		
		Install	1	No.		
1.1.2.6	Emergency Door Release Call Point (Breaker Glass)	Supply	1	No.		
		Install	1	No.		
1.2	<u>Ancillary Distribution Boards and Outlets</u> Supply and installation of the following metal Ancillary Distribution Boards and coverplates for Data and Telephone outlets. (Conduit and Conduit boxes given elsewhere).					
1.2.1	Data, Telephone and Ancillary Coverplates	Supply	4	No.		
		Install	4	No.		
1.3	<u>Cables</u> Supply, delivery and laying of PVC/SWA/PVC ECC Aluminium cables as specified, excluding terminations and cable supports. Lengths given shall be taken as measured lengths to cable runs from terminal to terminal and rates quoted shall include for off-cuts.					
1.3.1	25mm ² 4C Aluminium Cable PVC Mains 600/1000V	Supply	35	m		
		Install	35	m		
1.4	<u>Cable Terminations</u> Including the supply and fitting of Pratley Cable gland, shroud, making off the cable and fitting the gland to gland plates, switchgear or equipment including final connections of cable tails with lugs onto board terminals and including earth in ECC cable.					
1.4.1	25mm ² 4C Aluminium Cable PVC Mains 600/1000V	Supply	2	No.		
		Install	2	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate
1.5	Cable Sleeves Supply and Installation of Cable Sleeves as specified, in trenches				
1.5.1	110mm Ø Flexible Cable Sleeve	Supply	35	m	
		Install	35	m	
	EXTRA ON upvc piping for: 100mm Diameter long radius bend		35	m3	
	EXCAVATIONS				
1.6	In trenches for cables and sleeves		35	m3	
	Extra over soft excavation intermediate		10	m3	
	Extra over soft excavation in hard rock		10	m3	
1.7	Conduit Supply and installation of PVC conduit. Lengths given shall be taken as measured horizontal and vertical runs between conduit terminations. Rates quoted shall allow for wastage, offcuts, couplings, cuttings, bending, jointing socket and tees.				
1.7.1	25mm Conduit	Supply	610	m	
		Install	610	m	
1.8	Conduit Boxes and Ends Terminate and connect one pair of conduit ends including supply and installation of 1, 2, 3 or 4 way box on surface or in brickwork. (excluding coverplates), including holes for conduit.				
1.8.1	25mm Conduit (100 x 100mm) Galvanized Box	Supply	25	No.	
		Install	25	No.	
1.9	Conduit Ends Terminate and connect one pair of conduit ends including lock nuts, bushes, etc. connecting into board tray, wiring channel etc. including cutting holes for conduit entries, but excluding conduit box.				
1.9.1	25mm uPVC Conduit	Supply	35	No.	
		Install	35	No.	
1.10	Conductors Supply and installation of PVC insulated copper conductors drawn into conduit or wiring channel in groups of 2, 3, 4, etc. with the required colour coding, but excluding any wiring connections.				
1.10.1	2,5 mm ² PVC Conductors Red	Supply	500	m	
		Install	500	m	
	2,5 mm ² PVC Conductors Black	Supply	500	m	
		Install	500	m	
	2,5 mm ² PVC Conductors Pink	Supply	500	m	
		Install	500	m	
	4 x 2 PVC Wall Box	Supply	25	No.	
		Install	25	No.	
	Hospital Saddle	Supply	20	No.	
		Install	20	No.	
	4-Way Box PVC	Supply	40	No.	
		Install	40	No.	
1.10.2	4 mm ² PVC Conductors Blue	Supply	500	m	
		Install	500	m	
	4 mm ² PVC Conductors Brown	Supply	500	m	
		Install	500	m	
	4 mm ² PVC Conductors Earth	Supply	300	m	
		Install	300	m	
Total for Bill No. 1 : Carried Forward to Summary Page					

Item	Description		Qty	Unit	Rate	Amount
	Adaptors 25mm	Supply	20	No.		
		Install	20	No.		
	4 x 4 PVC Wall Box	Supply	45	No.		
		Install	45	No.		
	Coupling 25mm	Supply	15	No.		
		Install	15	No.		
1.12	<u>Light Switches</u>					
	Supply, fitting and electrical connection of a Legrand type flush or surface mounted 16A switch in 100 x 50 excluding box (for flush type) and conduit connections, but including cover plates.					
1.12.1	16A 1 Lever 1 Way	Supply	18	No.		
		Install	18	No.		
1.12.2	16A 1 Lever 2 Way	Supply	6	No.		
		Install	6	No.		
1.13	<u>Luminaires</u>					
	Mounting, fixing and electrically connecting the following luminaires, complete with lamps as specified in Section E of the Detailed Specification.					
1.13.1	Type B1					
	50w 1200 x 600 LED Panel Surface Mount Non-Dimmable, 3400lm, 5000k, as per Regent, Beka, Rubicon					
		Supply	26	No.		
		Install	26	No.		
1.13.2	Type J1.1					
	Round LED Bulkhead Light, 18w, 220-240v ac, IP54	Supply	24	No.		
		Install	24	No.		
1.14	<u>Daylight Switch</u>					
	Supply and installation of approved daylight switch.					
1.14.1	Daylight Switch	Supply	1	No.		
		Install	1	No.		
1.15.2	Elbows Internal/External	Supply	15	No.		
		Install	15	No.		
1.15.3	End Caps	Supply	15	No.		
		Install	15	No.		
1.15.4	Cover Joiner Clips	Supply	15	No.		
		Install	15	No.		
1.15.5	16A SSO's c/w cover on Powerskirting	Supply	12	No.		
		Install	12	No.		
1.16.7	RJ11 Connector with cradle/ cover and mod blank	Supply	2	m		
		Install	2	m		
1.16.8	RJ45 Connector with cradle/ cover mod blank	Supply	2	m		
		Install	2	m		
1.16	<u>Socket Outlets</u>					
	Supply, fitting and electrical connection of flush or surface mounted Legrand type switched socket in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate.					
1.16.1	5A Single SSO c/w coverplate.Legrand type.	Supply	1	No.		
		Install	1	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate	Amount
1.16.2	16A Double SSO c/w coverplate.Legrand type.	Supply	16	No.		
		Install	16	No.		
1.16.3	16A Dedicated Double SSO c/w coverplate.Legrand type.	Supply	20	No.		
		Install	20	No.		
1.16.4	16A UPS Single SSO c/w coverplate.Legrand type.	Supply	3	No.		
		Install	3	No.		
1.16.5	Medical Gas Outlets	Supply	6	No.		
		Install	6	No.		
1.16.6	Powerskirting, Legrand Type	Supply	28	m		
		Install	28	m		
1.16.7	Bedhead Trunking The adaptable HU10-01 is a wall mounted horizontal bedhead service system, which includes customized electrical and medical gas outlets to suit the clients' unique requirements.	Supply	6	m		
		Install	6	m		
1.17	Isolators Supply, fitting and electrical connection of flush or surface mounted Metal Clad Isolators in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate. For more details please refer to the specific drawings					
1.17.1	20A Double2 Pole Flush waterproof Isolator for HVAC	Supply	6	No.		
		Install	6	No.		
1.17.2	32A Double-Pole waterproof Isolator for Handdryer	Supply	2	No.		
		Install	2	No.		
1.17.3	5A 2 Pole Flush waterproof Isolator	Supply	1	No.		
		Install	1	No.		
1.17.4	20A 2 Pole Flush waterproof Isolator - Geysers	Supply	4	No.		
		Install	4	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate	Amount
1.18	<u>Electrical connection of appliances and installations.</u>					
1.18.1	Total Airconditioning Plant (Internal/External Units): Single and three phase	Connect	3	No.		
1.18.2	Hand dryers	Connect	2	No.		
1.19	TELEPHONE INSTALLATION Supply and installation of the following items for the Telephone Installation					
1.19.1	25mm PVC Conduit	Supply	40	m		
		Install	40	m		
1.19.2	25mm PVC Conduit end	Supply	5	No.		
		Install	5	No.		
1.19.3	25mm PVC Conduit box	Supply	5	No.		
		Install	5	No.		
1.20	DATA INSTALLATION Supply and installation of the following items for the Data installation					
1.20.1	25mm PVC Conduit	Supply	40	m		
		Install	40	m		
1.20.2	25mm PVC Conduit end	Supply	5	No.		
		Install	5	No.		
1.20.3	25mm PVC Conduit box	Supply	5	No.		
		Install	5	No.		
1.21	<u>Nurse Call System</u> Supply and installation of approved Nurse Call System.					
1.20.1	Nurse call Push Button	Supply	3	No.		
		Install	3	No.		
1.20.2	Emergency call Push Button	Supply	3	No.		
		Install	3	No.		
1.20.3	Nurse call Light	Supply	2	No.		
		Install	2	No.		
1.20.4	Loud Speaker	Supply	2	No.		
		Install	2	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

BLOCK - H - YOUTH & OUTREACH CENTER**ELECTRICAL INSTALLATION****PROVISIONAL BILLS OF QUANTITIES****SECTION A**

Item	Description		Qty	Unit	Rate	Amount
1.1	<u>Distribution Boards</u> Supply, installation and commissioning of Kiosk, Distribution Boards, including all circuit breakers (as per load schedule), earthing straps, labels the making off of wire connections (external wiring, conduit, armoured cable and terminations given elsewhere). All DB's are to be equipped with a three phase or single phase surge arrestor. Special note, the accessories are inclusive on the quoted price					
1.1.1	Distribution Board	Supply	1	No.		
		Install	1	No.		
1.1.2	<u>Security System</u> Installation of Camera Sytem equipment and All Access Control Systems as specified of the Detailed Specification.					
1.1.2.1	360 Degree resolution CCTV Camera	Supply	2	No.		
		Install	2	No.		
1.1.2.3	Double Door Access Controller Panel	Supply	1	No.		
		Install	1	No.		
1.1.2.4	Fingerprint Keypad Reader-Standalone	Supply	1	No.		
		Install	1	No.		
1.1.2.5	Magnetic Lock 544 KG Holding Force	Supply	1	No.		
		Install	1	No.		
1.1.2.6	Emergency Door Release Call Point (Breaker Glass)	Supply	1	No.		
		Install	1	No.		
1.2	<u>Ancillary Distribution Boards and Outlets</u> Supply and installation of the following metal Ancillary Distribution Boards and coverplates for Data and Telephone outlets. (Conduit and Conduit boxes given elsewhere).					
1.2.1	Data, Telephone and Ancillary Coverplates	Supply	12	No.		
		Install	12	No.		
1.3	<u>Cables</u> Supply, delivery and laying of PVC/SWA/PVC ECC Aluminium cables as specified, excluding terminations and cable supports. Lengths given shall be taken as measured lengths to cable runs from terminal to terminal and rates quoted shall include for off-cuts.					
1.3.1	25mm ² 4C Aluminium Cable PVC Mains 600/1000V	Supply	50	m		
		Install	50	m		
1.4	<u>Cable Terminations</u> Including the supply and fitting of Pratley Cable gland, shroud, making off the cable and fitting the gland to gland plates, switchgear or equipment including final connections of cable tails with lugs onto board terminals and including earth in ECC cable.					
1.4.1	25mm ² 4C Aluminium Cable PVC Mains 600/1000V	Supply	2	No.		
		Install	2	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate
1.5	Cable Sleeves Supply and Installation of Cable Sleeves as specified, in trenches				
1.5.1	110mm Ø Flexible Cable Sleeve	Supply	50	m	
		Install	50	m	
	EXTRA ON upvc piping for: 100mm Diameter long radius bend		50	m3	
	EXCAVATIONS				
1.6	In trenches for cables and sleeves		50	m3	
	extra over soft excavation intermediate		15	m3	
	extra over soft excavation in hard rock		15	m3	
1.7	Conduit Supply and installation of PVC conduit. Lengths given shall be taken as measured horizontal and vertical runs between conduit terminations. Rates quoted shall allow for wastage, offcuts, couplings, cuttings, bending, jointing socket and tees.				
1.7.1	25mm Conduit	Supply	450	m	
		Install	450	m	
1.8	Conduit Boxes and Ends Terminate and connect one pair of conduit ends including supply and installation of 1, 2, 3 or 4 way box on surface or in brickwork. (excluding coverplates), including holes for conduit.				
1.8.1	25mm Conduit (100 x 100mm) Galvanized Box	Supply	20	No.	
		Install	20	No.	
1.9	Conduit Ends Terminate and connect one pair of conduit ends including lock nuts, bushes, etc. connecting into board tray, wiring channel etc. including cutting holes for conduit entries, but excluding conduit box.				
1.9.1	25mm uPVC Conduit	Supply	25	No.	
		Install	25	No.	
1.10	Conductors Supply and installation of PVC insulated copper conductors drawn into conduit or wiring channel in groups of 2, 3, 4, etc. with the required colour coding, but excluding any wiring connections.				
1.10.1	2,5 mm ² PVC Conductors Red	Supply	500	m	
		Install	500	m	
	2,5 mm ² PVC Conductors Black	Supply	500	m	
		Install	500	m	
	2,5 mm ² PVC Conductors Pink	Supply	500	m	
		Install	500	m	
	4 x 2 PVC Wall Box	Supply	11	No.	
		Install	11	No.	
	Hospital Saddle	Supply	20	No.	
		Install	20	No.	
	4-Way Box PVC	Supply	15	No.	
		Install	15	No.	
1.10.2	4 mm ² PVC Conductors Blue	Supply	450	m	
		Install	450	m	
	4 mm ² PVC Conductors Brown	Supply	450	m	
		Install	450	m	
Total for Bill No. 1 : Carried Forward to Summary Page					

Item	Description		Qty	Unit	Rate	Amount
	4 mm ² PVC Conductors Earth	Supply	200	m		
		Install	200	m		
	Adaptors 25mm	Supply	20	No.		
		Install	20	No.		
	4 x 4 PVC Wall Box	Supply	24	No.		
		Install	24	No.		
	Coupling 25mm	Supply	15	No.		
		Install	15	No.		
1.11	<u>Light Switches</u>					
	Supply, fitting and electrical connection of a Legrand type flush or surface mounted 16A switch in 100 x 50 excluding box (for flush type) and conduit connections, but including cover plates.					
1.11.1	16A 1 Lever 1 Way	Supply	7	No.		
		Install	7	No.		
1.11.2	16A 1 Lever 2 Way	Supply	4	No.		
		Install	4	No.		
1.12	<u>Luminaires</u>					
	Mounting, fixing and electrically connecting the following luminaires, complete with lamps as specified in Section E of the Detailed Specification.					
1.12.1	Type B1					
	50w 1200 x 600 LED Panel Surface Mount Non-Dimmable, 3400lm, 5000k, as per Beka, Regent, Rubicon, Altsa					
		Supply	16	No.		
		Install	16	No.		
1.12.1	Type J1.1					
	Round LED Bulkhead Light, 18w, 220-240v ac, IP54					
		Supply	15	No.		
		Install	15	No.		
1.13	<u>Daylight Switch</u>					
	Supply and installation of approved daylight switch.					
1.13.1	Daylight Switch	Supply	1	No.		
		Install	1	No.		
1.13.2	Elbows Internal/External	Supply	15	No.		
		Install	15	No.		
1.13.3	End Caps	Supply	15	No.		
		Install	15	No.		
1.13.4	Cover Joiner Clips	Supply	15	No.		
		Install	15	No.		
1.13.5	16A SSO's c/w cover on Powerskirting	Supply	13	No.		
		Install	13	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

Item	Description		Qty	Unit	Rate	Amount
1.16	Socket Outlets Supply, fitting and electrical connection of flush or surface mounted Legrand type switched socket in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate.					
1.16.1	5A Single SSO c/w coverplate.Legrand type.	Supply	1	No.		
		Install	1	No.		
1.16.2	16A Double SSO c/w coverplate.Legrand type.	Supply	8	No.		
		Install	8	No.		
1.16.3	16A Dedicated Double SSO c/w coverplate.Legrand type.	Supply	12	No.		
		Install	12	No.		
1.16.4	16A UPS Single SSO c/w coverplate.Legrand type.	Supply	1	No.		
		Install	1	No.		
1.16.5	Powerskirting, Legrand Type	Supply	30	m		
		Install	30	m		
1.16.6	RJ11 Connector with cradle/ cover and mod blank	Supply	4	No.		
		Install	4	No.		
1.16.7	RJ45 Connector with cradle/ cover mod blank	Supply	4	No.		
		Install	4	No.		
1.17	Isolators Supply, fitting and electrical connection of flush or surface mounted Metal Clad Isolators in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate. For more details please refer to the specific drawings					
1.17.1	20A Double2 Pole Flush waterproof Isolator for HVAC	Supply	4	No.		
		Install	4	No.		
1.17.2	5A 2 Pole Flush waterproof Isolator	Supply	1	No.		
		Install	1	No.		
1.17.3	20A 2 Pole Flush waterproof Isolator - Geyser	Supply	2	No.		
		Install	2	No.		
1.18	Electrical connection of appliances and installations.					
1.18.1	Total Airconditioning Plant (Internal/External Units): Single and three phase	Connect	4	No.		
1.19	TELEPHONE INSTALLATION Supply and installation of the following items for the Telephone Installation					
1.19.1	25mm PVC Conduit	Supply	35	m		
		Install	35	m		
1.19.2	25mm PVC Conduit end	Supply	9	No.		
		Install	9	No.		
1.19.3	25mm PVC Conduit box	Supply	5	No.		
		Install	5	No.		
1.20	DATA INSTALLATION Supply and installation of the following items for the Data installation					
1.20.1	25mm PVC Conduit	Supply	35	m		
		Install	35	m		
1.20.2	25mm PVC Conduit end	Supply	8	No.		
		Install	8	No.		
1.20.3	25mm PVC Conduit box	Supply	5	No.		
		Install	5	No.		
1.21	Nurse Call System Supply and installation of approved Nurse Call System.					
1.20.1	Loud Speaker	Supply	1	No.		
		Install	1	No.		
Total for Bill No. 1 : Carried Forward to Summary Page						

LIGHTNING PROTECTION**BILL OF QUANTITIES****SECTION A**

Note: All rates for items contained in this Bill shall be computed excluding the applicable Value Added Tax. The Contractor shall include in the rates for any work or anything in the Conditions of Contract or Specification or shown on the Drawings not included elsewhere in the Bills of Quantities and for which he considers charges are required.

Allowance for Complete Lightning Protection Installation of all the Ideal Clinics.

The Lightning Protection installation is to be undertaken by a specialist and is required to provide two soil resistivity tests, one at the beginning of the project and one at completion. The first test is to be conducted within 14 days of the contractor being appointed. The Lightning Protection installer is to provide a Test Certificate in accordance with SANS 10313. The Contractor to provide a lightning protection design report based on SANS 10313 & 62305. The contractor to note that all conduit provisions for the Lightning Protection installation are to be recessed and provided by the Electrical Sub-Contractor.

Item	Description	Qty	Unit	Rate	Amount
1.	Down Conductors Supply and fixing on surface in an approved manner of aluminium conductor including all fixing accessories, such as insulating sleeves and stand-off brackets, but not including terminations. Rates quoted shall allow for wastage, off-cuts and joints.				
1.1	50mm ² aluminium conductor	108	m		
2.	Air Terminal Conductors Supply and fixing on surface in an approved manner of 50mm ² aluminium conductor including all fixing accessories, such as insulating sleeves and stand-off brackets, but not including terminations. Rates quoted shall allow for wastage, off-cuts and joints.				
		108	m		
3.	Terminations of Down Conductors to Air Terminals Termination of aluminium conductor to metal roof as specified in Clause A1.4 including lugs and making off of the ends etc.				
3.1	50mm ² aluminium conductor to metal roof.	24	No.		
4.	Earthing Conductors Supply and laying in the ground and in conduits of copper earth wire as specified in Clause A1.5 excluding terminations. Rates quoted shall allow for wastage, off-cut and joints.				
4.1	50mm ² Green PVC insulated copper conductor	108	m		
5.	Termination of Earthing Conductors to Down Conductors Termination of earth conductor to aluminium down conductor and earth electrodes including making off the ends, lugs, clamps, etc.				
5.1	50mm ² Termination to 50mm ² conductor	24	No.		
5.2	Connecting conductor all around the roof	632	m		
6.	Earth Electrodes Supply and installation of earth electrodes generally as specified in Clause A1.3.3.				
6.1	3,6m long earth electrodes	24	No.		
7.	Termination of Earth Conductors to Earth Electrodes Termination of Earth Conductors to Earth Electrodes including making off of ends, lugs, clamps, etc.				
7.1	50mm ² Earth Conductor to Earth Electrode	24	No.		
8.	General Earth Bonding Bonding of metal drainage down pipes and items.	24	Item		
9.	Testing Supply and testing apparatus and testing in accordance with SABS Code.				
9.1	Testing of joint continuity	2	Item		
9.2	Testing of Lightning Protection System	2	Item		
9.3	Testing of Earthing Points	2	Item		
9.4	Soil Resistivity Test and Report	2	Item		
Total for Bill No. 2 : Carried Forward to Summary Page					

ELECTRICAL INSTALLATION MECHANICAL EQUIPMENT**BILLS OF QUANTITIES****SECTION A**

Item	Description	Qty	Unit	Rate	Amount
1.1	<u>PUMPS</u> Refer to the attached Specifications for the Electrical Installation. The Tenderer must at all times read the Bills of Quantities in conjunction with the specification and drawings prior to pricing this section. Items 1-4 below applies to the entire electrical installation for the Clinic.				
1.1.1	<u>General Earthing</u> Earthing and bonding of all other metal to comply with regulations.	1	Item		
1.1	<u>Distribution Boards</u> Supply, installation and commissioning of Kiosk, Distribution Boards, including all circuit breakers (as per load schedule), earthing straps, labels the making off of wire connections (external wiring, conduit, armoured cable and terminations given elsewhere). All DB's are to be equipped with a three phase or single phase surge arrestor. Special note, the accessories are inclusive on the quoted price				
1.1.1	Distribution Board	Supply Install	1 1	No. No.	
1.2	<u>Isolators</u> Supply, fitting and electrical connection of flush or surface mounted Metal Clad Isolators in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate. For more details please refer to the specific drawings				
1.2.1	20A Double2 Pole Flush waterproof Isolator for Pumps	Supply Install	3 3	No. No.	
1.2.3	20A 4 Pole Flush waterproof Isolator _ Fire Jockey Pump	Supply Install	1 1	No. No.	
2.	<u>Cables</u> Supply, delivery and laying of PVC/SWA/PVC ECC Aluminium cables as specified, excluding terminations and cable supports. Lengths given shall be taken as measured lengths to cable runs from terminal to terminal and rates quoted shall include for off-cuts.				
2.1	70 mm ² 4 core Al PVC 400V from the Main Kiosk to the pump DB	Supply Install	50 50	m m	
2.2	16 mm ² 4 core Al PVC 400V from the Pump DB to the Isolators	Supply Install	20 20	m m	
	<u>Cable Terminations</u> Including the supply and fitting of Pratley Cable gland, shroud, making off the cable and fitting the gland to gland plates, switchgear or equipment including final connections of cable tails with lugs onto board terminals and including earth in ECC cable.				
2.3	70 mm ² 4 core Al PVC 400V	Supply Install	2 2	No. No.	
2.4	16 mm ² 4 core Al PVC 400V	Supply Install	8 8	No. No.	
2.5	<u>Wireway Installation (for Electrical Supply Cables)</u> 114mm Wide Medium Duty Galvanized Return Flange Cable Tray. Mounted Underside of Ceiling Complete with all Accessories, Covers, 90° Bends, T-Junctions and md Caps etc.	Supply Install	20 20	m m	

3.	EXCAVATIONS				
3.1	Excavations other than bulk in soft excavation not exceeding 2m deep for: Allowance is to be made for the installation of cable markers and warning sheets				
3.2	In trenches for cables and sleeves	100	m ³		
3.3	Extra over "soft excavation" for excavation in intermediate excavations	20	m ³		
3.4	Extra over "soft excavation" for excavation in hard rock excavations	20	m ³		
3.5	Filling obtained from excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density				
3.6	Backfilling of trenches Risk of collapse of excavations other than bulk	100	m ³		
3.7	Sides of trenches and hole excavations not exceeding 0.8m deep Manholes Supply and installation of manholes as shown on the drawings. Refer to Clause B6	100	m ³		
3.8	600 x 600mm Concrete Manholes Cable Markers Allow to supply and install cable markers	2	No.		
3.9	PVC warning marking tape	100	m		
3.9.1	Concrete cable route markers	2	No.		
Total for Bill No. 1 : Carried Forward to Summary Page					

ELECTRICAL INSTALLATION EXTERNAL WORKS

BILLS OF QUANTITIES

SECTION A

Item	Description	Qty	Unit	Rate	Amount
1.1	ELECTRICAL WORK CPAP WORKGROUP NO 160 UNLESS OTHERWISE STATED PREAMBLES Refer to the attached Specifications for the Electrical Installation. The Tenderer must at all times read the Bills of Quantities in conjunction with the specification and drawings prior to pricing this section. Items 1-4 below applies to the entire electrical installation for the Clinic.				
1.1.1	General Earthing Earthing and bonding of cold and hot water pipes and all other metal to comply with regulations.	1	Item		
1.2	Commissioning and Testing Allow for testing, balancing and commissioning the whole of the electrical installation as laid down in the specification and for re-testing as may be required after the making good of all defective work to the satisfaction of the Department and the Engineer.	1	Item		
1.5	As Built Drawings Provision for the drawings showing all site cable routes, conduit routes, draw boxes and positions of outlets, etc.	1	Item		
1.6	Labelling and Marking Allow for marking and labelling of all equipment, cables, plugs, light switches etc.	1	Item		
1.7	Diesel Generator Allow for the supply and Connection with a Back-up Generator of 200KVA with ATS and Circuit breaker. Tank capacity of greater than 600l to provide for 72 hours Maximum 200kVA standby power at 230/400v @ 50Hz 1500rpm High quality and reliable six-cylinder Scania/ Volvo turbodiesel engine, Silent canopy which can stand outside with lockable doors. Fuel tank to be built into the unit base to include enough of fuel for 72 hour operation (600l). Automatic changeover (ATS) to include mains/solar/diesel generator inputs. Maintenance free batteries and trickle charger included. Four-way protection system included, H-specification insulation, brushless alternator with AVR provides stable output, digital controller with auto and manual start options. All sets must undergo a comprehensive testing/pre delivery inspection, prior to delivery and include one year/1000 hour warranty. Including first fuel fill, oil filters, fuel filters and all other consumables necessary for operation. To provide all associated civil works including a plinth with corresponding cable trays and exits ducts into the ground for cables. Allowance for Profit.....%	1	Item		
	Allowance for Attendance.....%	5%			
1.7.1	Solar Plant Design, solar modelling and installation of solar plant by engineer approved and accredited solar contractor to tie into the grid and diesel generator plant. Supply, deliver, accept and store solar panels and associated equipment including inverters, DC Cables ,Earthing, Switchgear, grid tie system, Protection and Metering equipment which are to be as specified or otherwise approved. The rooftop solar system is to be sized to supply a minimum of 150kW. Alternative designs to supply the required energy value will be considered. The rooftops to be utilised is the clinic areas and must be designed to suit the panel weight by the Contractors structural engineer and well as all waterproofing and sealing for cable ways must be done. A model design must included in the tender. Erect, fix, connect and commission the following solar panels and equipment, including any galvanised additional supports and brackets which may be required. All equipment to be rated for outdoor, coastal conditions. Inverters and batteries will be stored in the pump room. Allow for a 150kw Solar System Allowance for Profit.....%	1	SUM	R 2 500 000.00	R 2 500 000.00
		5%			R 125 000.00

	Allowance for Attendance.....%		5%			R	125 000.00
1.8	New Kiosk Supply and Installation and commissioning of the Kiosk, including making off all wire connections (external wiring, conduit, armoured cable and terminations given elsewhere). Inclusive of all Main Circuit Breakers Kiosk, Coastal	Supply Install	1 1	No. No.			
1.9	Guarantee and Maintenance Guarantee and maintenance for the complete installation of Electrical Installation including fittings, materials and workmanship for a period of TWELVE MONTHS after date of completion and handover.		1	Item			
1.9.1	Payment of 200kVA Eskom/Municipality Connection . (Inclusive of Transformer & Main Kiosk) Plus Profit and Attendance		1	Sum	R	250 000.00	R 250 000.00
			5%				R 12 500.00
1.10	CERTIFICATE OF COMPLIANCE Provision for the Certificate of Compliance to be issued on completion of the project.		4	Item			
2.	Cables Supply, delivery and laying of PVC/SWA/PVC ECC Aluminium cables as specified, excluding terminations and cable supports. Lengths given shall be taken as measured lengths to cable runs from terminal to terminal and rates quoted shall include for off-cuts.						
2.1	240 mm ² 4 core Al PVC 400V from the TRF to Generator	Supply Install	100 100	m m			
2.2	240 mm ² 4 core Al PVC 400V from the Generator to the LV Kiosk	Supply Install	25 25	m m			
2.3	16 mm ² 4 core Al PVC 400V for external lights	Supply Install	140 140	m m			
	Cable Terminations Including the supply and fitting of Pratley Cable gland, shroud, making off the cable and fitting the gland to gland plates, switchgear or equipment including final connections of cable tails with lugs onto board terminals and including earth in ECC cable.						
2.3	240 mm ² 4 core Al PVC 400V from the TRF	Supply Install	4 4	No. No.			
2.4	240 mm ² 4 core Al PVC 400V from the Generator	Supply Install	4 4	No. No.			
2.5	Wireway Installation (for Electrical Supply Cables) 114mm Wide Medium Duty Galvanized Return Flange Cable Tray. Mounted Underside of Ceiling Complete with all Accessories. Covers, 90° Bends, T-Junctions and end Caps etc. Allowances has been made for IT & Power	Supply Install	380 380	m m			
2.6	Server (Telecommunication Network) Supply, install of Fibre Optic cable (Fibrework/Krone/Legrand or other Approved) in wire way & CAT6A. 1-off 24 Port Internet Switches (3-Com or Other Approved) Housed a 15U Cabinet. 1-off 24 Port Internet Switches (Krone/Legrand or Other Approved) Housed a 15U Cabinet. Multi-Mode Fibre optic cable to 24- port Switch in offices and one to 24-Port Switch in Security room. The Termination of the fibre optic cables in the 15U Cabinets						
2.6.1	Fibre Network Installation	Sum	1	Item	R	15 000.00	R 15 000.00
2.6.2	Supply and Install of Data Equipment Plus Profit and Attendance		1	Sum	R	125 000.00	R 125 000.00
			5%				
2.6.3	Supply and Install of CAT6A cable Krone/Legrand for cameras, IT network & Telephones		1200	m			

3.	EXCAVATIONS CPAP WORKGROUP NO 104 UNLESS OTHERWISE				
3.1	Excavations other than bulk in soft excavation not exceeding 2m deep for: Allowance is to be made for the installation of cable markers and warning sheets				
3.2	In trenches for cables and sleeves		100	m ³	
3.3	Extra over "soft excavation" for excavation in intermediate excavations		100	m ³	
3.4	Extra over "soft excavation" for excavation in hard rock excavations		100	m ³	
3.5	Filling obtained from excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density				
3.6	Backfilling of trenches Risk of collapse of excavations other than bulk		100	m ³	
3.7	Sides of trenches and hole excavations not exceeding 1.5m deep		100	m ³	
	Manholes				
	Supply and installation of manholes as shown on the drawings. Refer to Clause B6				
3.8	600 x 600mm Concrete Manholes Cable Markers Allow to supply and install cable markers		2	No.	
3.9	PVC warning marking tape		100	m	
3.9.1	Concrete cable route markers		5	No.	
3.10	Security System Installation of Camera System equipment and All Access Control Systems as specified of the Detailed Specification.				
	360 Degree resolution CCTV Camera	Supply	2	No.	
		Install	2	No.	
3.11	Luminaires Supply and install and electrically connecting the following luminaires, complete with lamps. Parking areas & In front of residences				
3.11.1	Type B1.1 2 x 36w LED Fitting	Supply	17	No.	
		Install	17	No.	
3.11.2	Streetlight, Type P1.1 LED Post top Luminaire Manufactured from Powder coated die - cats, 36w Pending Height. Lumen variance, 4000lm plus, 4000K, Beka, Regent or	Supply	5	No.	
		Install	5	No.	
3.11.3	7m Pole for P1.1	Supply	5	No.	
		Install	5	No.	
3.11.4	Bollards, Type BO1 18w or 25w. LM 6 Die cast Aluminium / Plastic, Beka, Regent or Rubicon	Supply	6	No.	
		Install	6	No.	
3.11.5	Type A1+ 2 x 18 w Vapor Proof Double Tube LED Fitting, IP65, Beka, Regent or Rubicon	Supply	4	No.	
		Install	4	No.	
4	Daylight Switch Supply and installation of approved daylight switch.				
	Daylight Switch	Supply	3	No.	
		Install	3	No.	
5	20A 4 Pole Flush waterproof Isolator for Boom Gate	Supply	1	No.	
		Install	1	No.	
6	Loud Speaker	Supply	2	No.	
		Install	2	No.	
Total for Bill No. 1 : Carried Forward to Summary Page					

RESIDENCES**ELECTRICAL INSTALLATION****PROVISIONAL BILLS OF QUANTITIES****SECTION B**

Item	Description	Qty	Unit	Rate	Amount
1.1	Distribution Boards Supply, installation and commissioning of Kiosk, Distribution Boards, including all circuit breakers (as per load schedule), earthing straps, labels the making off of wire connections (external wiring, conduit, armoured cable and terminations given elsewhere). All DB's are to be equipped with a three phase or single phase surge arrestor. Special note, the accessories are inclusive on the quoted price				
1.1.1	Distribution Board	Supply Install	6 6	No. No.	
1.2	Cables Supply, delivery and laying of PVC/SWA/PVC ECC Aluminium cables as specified, excluding terminations and cable supports. Lengths given shall be taken as measured lengths to cable runs from terminal to terminal and rates quoted shall include for off-cuts.				
1.2.1	25mm ² 4C Aluminium Cable PVC Mains 600/1000V	Supply Install	480 480	m m	
1.3	Cable Terminations Including the supply and fitting of Pratley Cable gland, shroud, making off the cable and fitting the gland to gland plates, switchgear or equipment including final connections of cable tails with lugs onto board terminals and including earth in ECC cable.				
1.3.1	25mm ² 4C Aluminium Cable PVC Mains 600/1000V	Supply Install	12 12	No. No.	
1.4	Cable Sleeves Supply and Installation of Cable Sleeves as specified, in trenches				
1.4.1	110mm Ø Flexible Cable Sleeve	Supply Install	180 180	m m	
	EXTRA ON upvc piping for: 100mm Diameter long radius bend		180	m3	
1.5	EXCAVATIONS In trenches for cables and sleeves extra over soft excavation intermediate extra over soft excavation in hard rock		180 15 15	m3 m3 m3	
1.6	Conduit Supply and installation of PVC conduit. Lengths given shall be taken as measured horizontal and vertical runs between conduit terminations. Rates quoted shall allow for wastage, offcuts, couplings, cuttings, bending, jointing socket and tees.				
1.6.1	25mm Conduit	Supply Install	2760 2760	m m	
Total for Bill No. 1 : Carried Forward to Summary Page					R -

Item	Description		Qty	Unit	Amount
1.7	<u>Conduit Boxes and Ends</u> Terminate and connect one pair of conduit ends including supply and installation of 1, 2, 3 or 4 way box on surface or in brickwork. (excluding coverplates), including holes for conduit.				
1.7.1	25mm Conduit (100 x 100mm) Galvanized Box	Supply	20	No.	
		Install	20	No.	
1.8	<u>Conductors</u> Supply and installation of PVC insulated copper conductors drawn into conduit or wiring channel in groups of 2, 3, 4, etc. with the required colour coding, but excluding any wiring connections.				
1.8.1	2,5 mm ² PVC Conductors Red	Supply	800	m	
		Install	800	m	
	2,5 mm ² PVC Conductors Black	Supply	800	m	
		Install	800	m	
	4 x 2 PVC Wall Box	Supply	11	No.	
		Install	11	No.	
	4-Way Box PVC	Supply	15	No.	
		Install	15	No.	
1.8.2	4 mm ² PVC Conductors Blue	Supply	600	m	
		Install	600	m	
	4 mm ² PVC Conductors Brown	Supply	600	m	
		Install	600	m	
	4 mm ² PVC Conductors Earth	Supply	600	m	
		Install	600	m	
	Adaptors 25mm	Supply	20	No.	
		Install	20	No.	
	4 x 4 PVC Wall Box	Supply	72	No.	
		Install	72	No.	
	Coupling 25mm	Supply	15	No.	
		Install	15	No.	
1.9	<u>Light Switches</u> Supply, fitting and electrical connection of a Legrand type flush or surface mounted 16A switch in 100 x 50 excluding box (for flush type) and conduit connections, but including cover plates.				
1.9.1	16A 1 Lever 1 Way	Supply	36	No.	
		Install	36	No.	
1.9.2	16A 1 Lever 2 Way	Supply	12	No.	
		Install	12	No.	
1.1	<u>Luminaires</u> Mounting, fixing and electrically connecting the following luminaires, complete with lamps as specified in Section E of the Detailed Specification.				
1.10.1	Type R1 18w Ceiling recessed LED Non-Dimmable, 5000K, as per Regent Luxon, Beka, Rubicon	Supply	84	No.	
		Install	84	No.	
Total for Bill No. 1 : Carried Forward to Summary Page					

Item	Description		Qty	Unit	Amount
1.10.2	Type J1.1 Round LED recessed Bulkhead Light, 18w, 220-240v ac, IP54, Regent Odin, Beka, Rubicon	Supply	26	No.	
		Install	26	No.	
1.11	Daylight Switch Supply and installation of approved daylight switch.				
1.11.1	Daylight Switch	Supply	6	No.	
		Install	6	No.	
1.12	Socket Outlets Supply, fitting and electrical connection of flush or surface mounted Legrand type switched socket in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate.				
1.12.1	16A Double SSO c/w coverplate. Legrand type.	Supply	54	No.	
		Install	54	No.	
1.12.2	RJ11 Connector with cradle/ cover and mod blank	Supply	6	No.	
		Install	6	No.	
1.12.3	RJ45 Connector with cradle/ cover mod blank	Supply	6	No.	
		Install	6	No.	
1.12.4	RJ45 Connector with cradle/ cover mod blank	Supply	6	No.	
		Install	6	No.	
1.13	Isolators Supply, fitting and electrical connection of flush or surface mounted Metal Clad Isolators in either 100 x 100, 100 x 50, round box or wiring channel, <u>excluding</u> box (for flush type) and conduit connections, but including cover plate. For more details please refer to the specific drawings				
1.13.1	5A 2 Pole Flush waterproof Isolator	Supply	1	No.	
		Install	1	No.	
1.13.2	20A 2 Pole Flush waterproof Isolator - Geyser	Supply	6	No.	
		Install	6	No.	
1.13.4	20A Double Pole Flush Mounted Stove Isolator, Legrand	Supply	6	No.	
		Install	6	No.	
Total for Bill No. 1 : Carried Forward to Summary Page					

Item	Description		Qty	Unit	Amount
1.14	TELEPHONE INSTALLATION Supply and installation of the following items for the Telephone Installation				
1.14.1	25mm PVC Conduit	Supply	36	m	
		Install	36	m	
1.14.2	25mm PVC Conduit end	Supply	3	No.	
		Install	3	No.	
1.14.3	25mm PVC Conduit box	Supply	5	No.	
		Install	5	No.	
1.15	DATA INSTALLATION Supply and installation of the following items for the Data installation				
1.15.1	25mm PVC Conduit	Supply	36	m	
		Install	36	m	
1.15.2	25mm PVC Conduit end	Supply	8	No.	
		Install	8	No.	
1.15.3	25mm PVC Conduit box	Supply	5	No.	
		Install	5	No.	
1.16	<u>Solar Plant (Panels) with Batteries</u> Allow for a Connection with the 5kVA Solar System complete with DC cables, earthing, hybrid inverter and Batteries for 4 hour backup and required communication modules and software. Protection, Metering and monitoring equipment to be included. Erect, fix, connect and commission the following solar panels and equipment, including any galvanised additional supports and brackets which may be required. All equipment to be rated for outdoor, coastal conditions. IP65 Enclosure suitable for mounting on wall in the patio will be included.		6	Item	
Total for Bill No. 1 : Carried Forward to Summary Page					

ELECTRICAL INSTALLATION

SUMMARY PAGE

BILL NO.	Amounts brought forward from:	Amounts (R)
1	Adminstration, Main Central Area & Phamarcy	
2	Block G - Chronic Care	
3	Block F - Acute care	
4	Block A - Guard House & public Ablutions	
5	Block E - Preventive & Promotive	
6	Block D - Service Access, Block C - Emergency & Support Services	
7	Block H - Youth & Outreach Center	
8	Lightning Protection	
9	External Works	
10	Mechanical Works	
11	Residence	
	TOTAL CARRIED FORWARD TO FINAL SUMMARY OF MAIN BILLS OF QUANTITIES	

- A This Bill needs to be read in conjunction with HVAC Layout for full project descriptions and supporting information.
- B Drawing Reference: KZN-MC-HVAC-TD-00.
- C All products supplied for this installation must be SABS and/or appropriate EU/IEC Standard.
- D The installation of all supplied materials must be in accordance with the OEM requirements and the installer must be accredited by the OEM to conduct such installation.
- E Pricing of all these items must include for all transport, supply, labour and P&G's.
- F Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- G All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- H All Pricing to include for all copper tubing & trunking, housing, bracket connections, condensate drainage and electrical supply from socket point.
- I All compressor units to be installed with anti-vibration mountings.
- J Condenser units to be positioned as per the layout drawing.
- K Product offering for AC units must be Carrier or equivalent.
- L Energy Efficiency Ratings will be taken into account.
- M All units to be single phase, 220V.
- N Corrosion protection must be suitable to the proximity of the site. It must include for appropriately galvanised structural components. Details must be provided.
- O Cooling systems, materials, components and refrigerant type must comply with SANS 10147:2014.
- P All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).
- Q All AC condensate drain piping to be chased into wall and discharged at a low level to the outside.
- R All AC condensate drain piping to be thermally insulated.

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	12000 BTU (QHG012DS) - Inverter Type (ERR & COP Ratings to be "Carrier" or Equivalent)	No.	28		

BILL 2 - MECHANICAL VENTILATION

- A This Bill needs to be read in conjunction with HVAC Layout for full project descriptions and supporting information.
- B Drawing Reference: KZN-MC-HVAC-TD-00.
- C All products supplied for this installation must be SABS and/or appropriate EU/IEC Standard.
- D The installation of all supplied materials must be in accordance with the OEM requirements.
- E Pricing of all these items must include for all transport, supply, labour and P&G's.
- F Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- G All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- H All wall mounted fans to be single phase, 220V.
- I All wall mounted extraction fans to have back to back grills included.
- J Supply and Extraction Fans to be AMS or equivalent.
- K Grills and Weather Louvres to be AMS or equivalent.
- L Corrosion protection must be suitable to the proximity of the site. It must include for appropriately galvanised structural components. Details must be provided.
- M All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Extraction Fans				
	HV-150AE	No.	1		
	HIT-200	No.	2		
	HIT-125	No.	1		
2	Fresh Air Fans				
	HV-150AE	No.	2		
	HIT-125	No.	1		
3	Ducting (Galvanised sheet metal)				
	110mm Diameter	m	30		
	150mm Diameter	m	4		
	150mmx180mm	m	5		
	200mmx180mm	m	8		
	220mmx200mm	m	4		
	300mmx200mm	m	5		

BILL 2 - MECHANICAL VENTILATION

4	Flexible Ducting	110mm Diameter	m	21	
		150mm Diameter	m	3	
5	Grilles/Diffusers	PVC Ventilax Extraction Valve 100mm	No.	12	
		PVC Ventilax Extraction Valve 150mm	No.	2	
		VST Supply Valve 100mm	No.	2	
6	Weather Louvres	SA Wall Terminal - 150	No.	3	
		SA Wall Terminal - 200	No.	1	
		SA Wall Terminal - 300	No.	1	

- A This Bill needs to be read in conjunction with Potable Water Layout for full project descriptions and supporting information.
- B Drawing Reference: KZN-MC-PHW-TD-00; KZN-MR-PHW-TD-00.
- C All products supplied for this installation must be SABS and/or appropriate EU/IEC Standard.
- D The installation of all supplied materials must be in accordance with the OEM requirements.
- E Pricing of all these items must include for all transport, supply, labour and P&G's.
- F Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- G All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- H Pricing to include for necessary couplings between all pipes of similar and dissimilar materials, and between taps and valves.
- I All water reticulation connective fittings to be Compression Type (Cobra) - to be included in the pricing.
- J Pricing to include for copper pipes to be chased into the walls. A suitable paper or plastic protective wrap is required around the pipes. Details must be provided.
- K All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	CuCl2 Reticulation - Diameter 15mm	m	235		
2	CuCl2 Reticulation - Diameter 22mm	m	200		
3	CuCl2 Reticulation - Diameter 28mm	m	90		
4	CuCl2 Reticulation - Diameter 35mm	m	20		
5	Cobra RB Gate Valve 1001/125 15mm SABS FXF Prestex	No.	36		
6	Cobra RB Gate Valve 1001/125 22mm SABS FXF Prestex	No.	16		
7	Cobra RB Gate Valve 1001/125 28mm SABS FXF Prestex	No.	7		
8	Cobra RB Gate Valve 1001/125 35mm SABS FXF Prestex	No.	3		
9	Pressure Relief Valve 600kpa 22mm	No.	6		
10	Water Meter and Connection Fee	No.	1		
11	Electrical Bonding of Cu Pipes	Sum			

- A This Bill needs to be read in conjunction with Hot Water Layout for full project descriptions and supporting information.
- B Drawing Reference: KZN-MC-PHW-TD-00; KZN-MR-PHW-TD-00.
- C All products supplied for this installation must be SABS and/or appropriate EU/IEC Standard.
- D The installation of all supplied materials must be in accordance with the OEM requirements.
- E Pricing of all these items must include for all transport, supply, labour and P&G's.
- F Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- G All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- H Heat Pump and Geyser sets to be supplied complete. Product offering must be Kwikot or equivalent.
- I All copper pipes to be chased into the building walls.
- J All pricing to include for 2m insulation on incoming cold water pipes and insulate all outgoing hot water pipes (including pipes chased into the walls). Product offering to be SANS 204 and XA compliant.
- K Pricing to include for necessary couplings between all pipes of similar and dissimilar materials, and between taps and valves.
- L All hot water reticulation connective fittings to be Compression Type (Cobra). To be included in the pricing.
- M Corrosion protection must be suitable to the proximity of the site. It must include for appropriately galvanised structural components. Details must be provided.
- N All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	CuCl2 Reticulation - Diameter 15mm	m	200		
2	CuCl2 Reticulation - Diameter 22mm	m	90		
3	CuCl2 Reticulation - Diameter 28mm	m	35		
4	Cobra RB Gate Valve 1001/125 15mm SABS FXF Prestex	No.	10		
5	Cobra RB Gate Valve 1001/125 22mm SABS FXF Prestex	No.	4		
6	Cobra RB Gate Valve 1001/125 28mm SABS FXF Prestex	No.	1		
7	DSG-050-5 - KWIKOT Superline Geyser 50L (2kW)	No.	6		
	KHN3-224 - 400 kpa Multi Valve	No.	6		
	KHN4-200CX - 22mm Vacuum Breaker	No.	12		
	DRT 600 - Drip Tray	No.	6		

BILL 4 - HOT WATER

8	DSG-150 - KWIKOT Superline Geyser 150L	No.	2	
	KHN3-224 - 400 KPA Multi Valve	No.	2	
	KHN4-200CX - 22mm Vacuum Breaker	No.	4	
	DRT 1600 - Drip Tray	No.	2	
	HP-005 - Heat Pump (3.85 Kw)	No.	2	
9	HP-200-V - Intergraded Heat Pump (3.5kW)	No.	3	
10	FPRX-10-UB - Prisma Under Counter (10L)	No.	3	
1.1	PMX 74 Under basin mixer	No.	3	

- A This Bill needs to be read in conjunction with Sewage Layout for full project descriptions and supporting information.
- B Drawing Reference: KZN-MC-SW-TD-00; KZN-MR-SW-TD-00
- C Product offering must be Geberit or Valsir HDPE.
- D All products supplied for this installation must be SABS and/or appropriate EU/IEC Standard.
- E Pricing of all these items must include for all transport, supply, labour and P&G's.
- F Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- G All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- H Pricing to include for necessary couplings between all pipes of similar and dissimilar materials.
- I Pricing to include for necessary ventilation and inspection requirements in accordance with SANS 10252-2.
- J All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Diameter 50mm uPVC Reticulation	m	205		
2	Diameter 100mm uPVC Reticulation	m	50		
3	Diameter 50mm uPVC 45 Degree Junction (With Inspection Eye)	No.	72		
4	Diameter 50mm uPVC 90 Degree Bend (With Inspection Eye)	No.	78		
5	Diameter 100mm uPVC 90 Degree Bend (With Inspection Eye)	No.	20		
6	Pan Connector	No.	20		
7	Geberit P-Trap for Double Sink 50mm	No.	3		
8	Geberit P-Trap for Sink 50mm	No.	59		
9	Geberit Urinal Trap 50mm	No.	4		
10	ACO Hygenic Gully 157 Fixed Height W200 L200 D110 Vertical with FAT, FHD, EN1253, 1.4301	No.	6		
11	ACO Slob Hyg Ladder Grate W168W168H25; L/C R50; SS 1.4301	No.	6		
12	ACO Slit Basket for Vertical Gully 157, EN1253, 1.4301.	No.	6		

BILL 6 - FIRE INSTALLATION

- A This Bill needs to be read in conjunction with Fire Installation Layout for full project descriptions and supporting information.
- B Drawing Reference: KZN-MC-FI-TD-00.
- C All products supplied for this installation must be SABS and/or appropriate EU/IEC Standard.
- D The installation of all supplied materials must be in accordance with the OEM requirements.
- E Pricing of all these items must include for all transport, supply, labour and P&G's.
- F Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- G All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- H All pricing to include for bracket connections and hangers.
- I Class B Fire Doors to include Pregalvanised frame, Slam bars, Magnetic hold open device, Certifire Hinges, and Georgian wired vision panels. Product offering to be 'Firechief' or equivalent.
- J Fire Suppression to be Stat-X type, inclusive of a control panel, battery back-up, optical smoke detectors, manual gas release, bell, beacon, signage, commissioning, testing and training.
- K Pricing to include for necessary couplings between all pipes of similar and dissimilar materials, and between taps and valves.
- L Corrosion protection must be suitable to the proximity of the site. It must include for appropriately galvanised structural components. Details must be provided.
- M All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Fire Hose Reel (30m)	No.	7		
2	Fire Hydrant	No.	3		
3	4,5 kg DCP Fire Extinguisher	No.	16		
4	Diameter 100mm HDPE Class 16	m	85		
5	Diameter 150mm HDPE Class 16	m	45		
6	Diameter 25mm Mild Steel Medium Class	m	60		
7	Diameter 32mm Mild Steel Medium Class	m	30		
8	Diameter 100mm Mild Steel Medium Class	m	95		
9	110mm 90 Degree grooved	No.	24		
10	110mm Klambons	No.	38		
11	100mm Blank Caps	No.	5		
12	25mm Elbows	No.	38		
13	25mm Unions	No.	15		

BILL 6 - FIRE INSTALLATION

14	25mm Sockets	No.	15	
15	Linking of HDPE to Mild Steel	No.	3	
16	Linking of Pump Outlet to Mild Steel	No.	1	
17	Twin Booster and Gauge	No.	1	
18	Non-return Valve (Diameter 100mm)	No.	1	
19	Gas Suppression Set (GS 1 - 15m ³)	No.	1	
20	Gas Suppression Set (GS 2 - 45m ³)	No.	1	
21	Fire stopping			
	Application of Intumescent Paint (2hr Fire Rated) - Piping	msq	5	
	Application of Intumescent Paint (2hr Fire Rated) - Cable Trays	msq	5	
	Penetration Seals - 25mm	No.	30	
	Penetration Seals - 50mm	No.	20	
	Intumescent Pipe Wrap - 25mm	No.	30	
	Intumescent Pipe Wrap - 50mm	No.	20	

- A This Bill needs to be read in conjunction with Fire Installation Layout for full project descriptions and supporting information.
- B Drawing Reference: KZN-MC-FD-TD-00.
- C All products supplied for this installation must be SABS and/or appropriate EU/IEC Standard.
- D The installation of all supplied materials must be in accordance with the OEM requirements.
- E Pricing of all these items must include for all transport, supply, labour and P&G's.
- F Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- G All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- H All Pricing to include for all tubing / trunking, housing, bracket connections / hangers and electrical supply to socket point.
- I All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	AE-TC5101 - 1 Loop Addressable Control Panel c/w 1; Loop Card	No.	1		
2	AE-TC5202 - 2 Loop Addressable Control Panel c/w 2; Loop Card	No.	1		
3	EL-B121 12 V DC 7.5AH Battery	No.	2		
4	AP-XP-O XP95 - Optical Smoke Detector	No.	70		
5	AP-XP-H XP95 - Fixed Temperature Heat Detector; Class A2/S (55°C)	No.	6		
6	AP-XP-B XP95 - Mounting Base	No.	76		
7	AP-XPWDSO-SBR XP95 - Open-Area Sounder Beacon Red (Sonos)	No.	17		
8	AP-XPWD-SBRWP XP95 - Weatherproof Open-Area; Sounder Beacon, Red	No.	3		
9	AP-DIS-MCP - Discovery MCP with Isolator, Red (Surface)	No.	20		
10	KB-FLAP MCP Transparent Hinged Protective Flap	No.	20		
11	Fire Retardant braided screened 1,5mm stranded PH 30 red cable incl. terminations	m	1000		
12	AP-SAI-IO Soteria/XP95 - Input / Output Unit	No.	2		
13	TS-FDH-R Fire Document Holder, A4, Red, c/w Logbook	No.	1		
14	6 months Defective Maintenance, 12 month Warranty Maintenance	Sum	1		

- A This Bill needs to be read in conjunction with Signage Layout for full project descriptions and supporting information.
- B Drawing Reference: KZN-MC-FI-TD-00.
- C All products supplied for this installation must be SABS and/or appropriate EU/IEC Standard.
- D All signage to be Aluminium Framed, Photo Illuminescent.
- E Pricing of all these items must include for all transport, supply, labour and P&G's.
- F Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- G All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- H All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Signage - E3 - Fire Escape (Green) 190mm X 380mm	No.	40		
2	Signage - F4 - Fire Equipment; Fire Exit; Arrow (Red). 190mm X 190mm 190mm X 380mm 190mm X 570mm 190mm X 760mm	No. No. No. No.	15 5 10 5		

BILL 9 - STORAGE WATER TANK AND PUMP SETS

- A This Bill needs to be read in conjunction with Potable Water, Fire Installation & Pump Layouts for full project descriptions and supporting information.
- B Drawing Reference: KZN-MC-PT-TD-00.
- C All products supplied for this installation must be SABS and/or appropriate EU/IEC Standard.
- D The installation of all supplied materials must be in accordance with the OEM requirements.
- E Pricing of all these items must include for all transport, supply, labour and P&G's.
- F Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- G All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- H Corrosion protection must be suitable to the proximity of the site. It must include for appropriately galvanised structural components. Details must be provided.
- I All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Potable Pump Set - Duty & Standby (Wilo or Equivalent); Inclusive of Stainless Steel Manifolds, Non Return & Butterfly Valve	No.	1		
2	Potable Pump Control Panel	No.	1		
3	Fire Pump Set - Jockey & Primary (Wilo or Equivalent); Inclusive of Stainless Steel Manifolds, Non Return & Butterfly Valve	No.	1		
4	Fire Pump Control Panel	No.	1		
5	Ablution Pump Set - Duty & Standby (Wilo or Equivalent); Inclusive of Stainless Steel Manifolds, Non Return & Butterfly Valve	No.	1		
6	Ablution Pump Control Panel	No.	1		
7	Abeco Tank	No.	1		
8	Diameter 54mm CuCl2	m	15		
9	Solenoid Valves (for level control - 54mm inlet) to Abeco Tank	No.	2		
10	Isolation Valves (for drain - 80mm) to Abeco Tank	No.	2		
11	80mm Overflow pipe (galvanised with welded flange)	No.	2		
12	Non-return Valves (Diameter 54mm)	No.	3		
13	Isolation Valves (Diameter 54mm)	No.	4		

BILL 10 - RAINWATER HARVESTING

- A This Bill needs to be read in conjunction with Rainwater Harvesting Layout for full project descriptions and supporting information.
- B All products supplied for this installation must be SABS and/or appropriate EU/IEC Standard.
- C The installation of all supplied materials must be in accordance with the OEM requirements.
- D Pricing of all these items must include for all transport, supply, labour and P&G's.
- E Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- F All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- G Corrosion protection must be suitable to the proximity of the site. It must include for appropriately galvanised structural components. Details must be provided.
- H Pricing to include for necessary couplings between all pipes of similar and dissimilar materials, and between taps and valves.
- I All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Jojo Tank (5kL)	No.	7		
2	Self-priming Irrigation Pump (Complete with Accessible Weatherproof Enclosure and In-Line Disc Filter)	No.	3		
3	Standpipe and Tap Set (22mm)	No.	3		
4	Isolation Valves (Diameter 50mm)	No.	13		
5	Non-return Valves (Diameter 50mm)	No.	3		
6	Diameter 50mm HDPE 16	m	220		
7	Diameter 80mm PVC	m	21		
8	Diameter 50mm PVC	m	39		
9	First Flush Diverter Valves (Diameter 80mm)	No.	7		

- A All products supplied for this installation must be SABS approved.
- B The installation of all supplied materials must be in accordance with the OEM requirements.
- C Pricing of all these items must include for all transport, supply, labour and P&G's.
- D Pricing of all these items must include for any building repair work that may be required as a result of the installation works.
- E All product and material specifications, and warranty (offering and conditions) to be provided in the Tender reply.
- F Product offering must be Centurion D10 (industrial) or equivalent.
- G All work to be conducted in accordance with the relevant Regulations, Standards and Tender Specification Report (KZN-MC-TS-00).

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Rack Drive Motor Set Complete (including battery & brackets)	No.	1		
2	Goosenecks (Galvanised Mild Steel)	No.	2		
3	Keypad	No.	1		
4	Anti-knock Shields	No.	2		
5	Remotes	No.	4		

MECHANICAL, WET SERVICES & FIRE

BILL NO.	DESCRIPTION	TOTAL
BILL 1	AIR CONDITIONING	
BILL 2	MECHANICAL VENTILATION	
BILL 3	POTABLE WATER	
BILL 4	HOT WATER	
BILL 5	SEWAGE	
BILL 6	FIRE INSTALLATION	
BILL 7	FIRE DETECTION	
BILL 8	SIGNAGE	
BILL 9	STORAGE TANK & PUMP SETS (FIRE & POTABLE)	
BILL 10	RAINWATER HARVESTING	
BILL 11	GATE MOTOR	

SECTION NO.	FINAL SUMMARY	AMOUNT
1	Section No. 1 Preliminaries	
2	Section No. 2 Builders Work	
3	Section No. 3 External works	
4	Section No. 4 Electrical Works (Provisional)	
5	Section No. 5 Mechanical, Wet services and Fire Installation	
Sub - total excluding VAT and contingencies		
ADD CONTINGENCIES		
Allow 10% for contingencies which shall be applied to the work as directed by the Project Manager and deducted in whole or part if not required		
Sub - total excluding VAT		
ADD: VAT @ 15%		
Carried to Form of Tender		
TOTAL		



CONSTRUCTION OF A SMALL CLINIC AT BLAaubOSCH CLINIC

PART C3. SCOPE OF WORKS

**C3.1 SCOPE OF WORKS
GCC FOR CONSTRUCTION WORKS (Edition 2 of 2010)**

Scope of Works complied in accordance with SANS 10403 where reference is made to this part of SANS 1921-1:2004

Project title:	CONSTRUCTION OF A SMALL CLINIC AT BLAaubosch Clinic		
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Tender no:	ZNB5544/2023-H	Project Code:	N/A
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1	<u>SECTION 1</u>
	<u>EXTENT OF THE WORKS</u>
	1.1 EMPLOYERS OBJECTIVES Construct and small clinic including residences
	1.2 OVERVIEW OF THE WORKS Construction of a single storey clinic including guard house, fencing, external works.
	1.3 EXTENT OF THE WORKS The works includes the construction of a new single storey clinic. The external works includes the construction of new guard house, fencing, site services, parking, water tank, borehole, bulk earthworks, etc.
	1.4 LOCATION OF THE WORKS The site is located in the Amajuba District Municipality. The Latitude is 27.807150 and Longitude is 30.098730
1.5 TEMPORARY WORKS All temporary work to comply with the Occupational Health and safety Act (Act 85 of 1993)	
2	<u>ENGINEERING</u>
	2.1 EMPLOYER'S/CONTRACTOR'S DESIGN Not applicable
	2.2 DESIGN BRIEF Not applicable
2.3 DRAWINGS See list of Drawings/Annexures attached to this document	

2.4 DESIGN PROCEDURES

Not applicable

3 PROCUREMENT

3.1 PREFERENTIAL PROCUREMENT PROCEDURES

This tender will be subject to the implementation of the Preferential Procurement Regulations, 2022 pertaining to the Preferential Procurement Policy Framework Act, Act Number 5 of 2000 and the relevant Supply Chain Management Legislation and the KwaZulu-Natal Supply Chain Management Policy Framework published by the KwaZulu-Natal Provincial Treasury. Tenderders are referred to www.kzntreasury.gov.za for access to the relevant documents.

Tenderders are advised to familiarize themselves with the contents of the KwaZulu-Natal Supply Chain Management Policy Framework regarding Preference Point Systems, evaluation of tenders appeals and other matters.

3.2 RESOURCE STANDARD PERTAINING TO TARGETED PROCUREMENT

NOTE : This project will be adjudicated as exceeding R 50,000 000,00

3.3 SCOPE OF MANDATORY SUBCONTRACT WORK

Not applicable

3.4 PREFERRED SUBCONTRACTORS/SUPPLIERS

Not applicable

3.5 SUBCONTRACTING PROCEDURES

Not applicable

4 CONSTRUCTION

4.1 APPLICABLE SANS 2001 STANDARDS FOR CONSTRUCTION WORKS

The Contractor is referred to the "Model Preambles to Trades - 2008", any "Supplementary Preambles", the Electrical Specifications and Mechanical Specification for full descriptions of materials and methods referred to in these Bills of Quantities/Lump Sum documents, insofar as they apply. The Contractor is advised to study the "Standard Preambles to all Trades", any "Supplementary Preambles", the Electrical Specifications and Mechanical Specification, before pricing Bills of Quantities/Lump Sum documents.

Where the description in the Bills of Quantities/Lump Sum documents differ from those in the Standard Electrical Specifications, the descriptions in the Bills of Quantities/Lump Sum documents are to apply. No claim whatsoever will be allowed in respect of errors in pricing due to brevity of description of items in the Bills of Quantities/Lump Sum documents which are fully described when read in conjunction with the relevant Preambles and/or Specifications. Suppliers of materials and the like, whose quality systems apply with one or more of the SABS/SANS ISO 9000 Series should be used whenever possible in the absence of a particular SABS/SANS Specification Standard Mark.

Wherever the words "shall be deemed to be included in the description", "shall be stated" or other words having the same effect, appear in the Standard System, it shall be deemed that all descriptions in these Bills of Quantities/Lump Sum documents incorporated such inclusions and statements whether specifically stated or not.

The Contractor is hereby informed that where SABS/SANS Specifications are referred to in these Bills of Quantities/Lump Sums documents and Specifications thereto, then ONLY the Specification of Work Clauses will apply. The method of measurement and payment clauses will NOT apply to this Contract.

The Contractor is hereby informed that risk of collapse and keeping excavations free from water (excluding subterranean water) generally are deemed to be included in the descriptions unless accommodated in the system of measurement. Please refer to the Geotechnical Investigation report when included at the end of these tender documents.

Whenever reference is made to "Sub-Contractor", "Nominated Sub-Contractor" or the like in the specifications included or referred to in these Bills of Quantities/Lump Sums documents, it shall be deemed to mean "Contractor" as defined.

4.2 APPLICABLE NATIONAL AND INTERNATIONAL STANDARDS

See above 4.1

4.3 PARTICULAR / GENERIC SPECIFICATIONS

The Contractor is referred to the following documents whether attached to this document or not:

<u>SPECIFICATION</u>	<u>PAGES</u>
Specification for HIV/AIDS Awareness (CIDB)	HIV1 TO HIV3
Specific Construction, Safety, Health and Environmental Plan	
Standard Preambles for all Trades (Rev 3) - DOH 2009	1 to 95
General Electrical Specification	E/1 to E/20
Lightning Protection Installation	LP/1 to LP/6

4.4 CERTIFICATION BY RECOGNIZED BODIES

Appointed consultants must be actively registered with their relevant professional discipline

4.5 AGRÉMENT CERTIFICATES

Not applicable

4.6 PLANT AND MATERIAL PROVIDED BY THE EMPLOYER

Not applicable

4.7 SERVICES AND FACILITIES PROVIDED BY THE EMPLOYER

None.

4.8 OTHER SERVICES AND FACILITIES

The Contractor shall provide any artificial lighting which may be necessary or required for the proper execution of the works, and provide electric power and water required by all Sub-Contractors, Nominated Sub-Contractors and Sub-Contractors appointed directly by the Administration.

The Contractor shall give all notices and pay all fees in connection with temporary electrical and water connections and shall connect temporary Electrical and Water meters for and pay for all current and water consumed.

The Contractor is advised that the permanent light fittings and water points of any kind installed in the Works are not to be used to provide temporary lighting and supplement water requirements for construction purposes.

5

MANAGEMENT

5.1 APPLICABLE SANS 1921 STANDARDS

SANS 876:2016 - Cable terminations and live conductors within air-filled enclosures (insulation co-ordination) for rated a.c. voltages from 7,2 kV up to and including 36 kV.
SANS 1874:2015 - Switchgear - Metal-enclosed ring main units for rated a.c. voltages above 1 kV and up to and including 36 kV.

- o The Occupational Health and Safety Act (Act 85, 1993) as amended
- o The control panel, associated components and wiring shall be installed in compliance with the latest, relevant and applicable standards.
- o SANS 10147: Refrigerating systems, including plants associated with AC systems
- o SANS 347: Categorization and conformity assessment criteria for all pressure equipment
- o SANS 10142: Code of Practice for Wiring of Premises
- o SANS 60947-1: 2005/IEC 60947-1: 2004 to SANS 60947-8: 2004/IEC 60947-8: 2004: Low voltage switch gear and control gear.
- o A Certificate of Conformity, in accordance with the OHS Act as amended and SANS 347, will be required for all refrigeration and air-conditioning works
- o KwaZulu-Natal Department of Health Policy on Design of Mechanical Installations
- o An Electrical Certificate of Compliance, in accordance with the OHS Act as amended, will be required for all Electrical Works.
- o The Machinery and Occupational Safety Act - Act 6/1983
- o The Municipal by-laws and any special requirements of the Supply Authorities of the area or district concerned.
- o Local Fire Regulations.
- o All building works shall be in accordance with the Standard Preambles to All Trades. The contractor should fully familiarise himself with these documents prior to quoting.

5.2 RECORDING OF WEATHER

The Contractor shall keep record of abnormal climatic conditions to facilitate the adjudication of claims for extension of the contract period.

The Contractor shall allow in his programme for the following number of days for rain days (rain > 10mm per day) as per the table below:

CURRENT YEAR			YEAR + 1	YEAR + 2
January	w/days	3	3	3
February	w/days	3	3	3
March	w/days	3	3	3
April	w/days	3	3	3
May	w/days	3	3	3
June	w/days	3	3	3
July	w/days	3	3	3
August	w/days	3	3	3
September	w/days	3	3	3
October	w/days	3	3	3
November	w/days	3	3	3
December	w/days	3	3	3

5.3 MANAGEMENT MEETINGS

In order to facilitate the smooth functioning of the Works and to ensure the closest co-operation between all the parties concerned, the Employer will call for regular meetings to be held on the site, at which a senior member of the Contracting firm and the General Foreman of the Works will always be required to be present. In addition to the above, other persons will be required to attend these meetings as and when their presence is necessary, e.g., Consultants in all disciplines, representatives of the various Sub-Contractors, etc. Proper minutes of these meetings will be kept by the Employer/Principal Agent and copies will be circulated to all persons attending the meetings and to others who need to be kept informed.

5.4 FORMS FOR CONTRACT ADMINISTRATION

The Employer shall provide all necessary forms.

5.5 ELECTRONIC PAYMENTS

The Contractor shall provide all required information to the Employer to facilitate electronic payments upon request.

5.6 DAILY RECORDS

The Contractor shall keep daily records of people and equipment employed as well as a site diary in respect of work performed on the site.

At the end of each week the Contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all Sub-Contractors on the works each day.

At the end of each week the Contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.

5.7 BONDS AND GUARANTEES

The Contractor shall within 10 calendar days after receiving notice from the Engineer and prior to receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the Employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the Contract Data.

5.8	<p>PAYMENT CERTIFICATES</p> <p>Requirements will be in accordance with the Employers prescriptions.</p>
5.9	<p>PERMITS</p> <p>The Contractor is advised that, in the case of an existing building or institution, all security measures in force will remain in operation and he must acquaint himself and his Employees with them as he and his Employees will at all times be subject to these measures.</p> <p>The Contractor will on no account extend his operations beyond the confines of the building site as indicated by the Employer and must ensure that all his Employees are made aware of these limits. Any Employee disregarding this instruction and found outside the limit of the building site without authority, shall be redeployed immediately and shall not again be employed on this Contract.</p> <p>The Contractor will be responsible for ensuring that this instruction is strictly enforced and must provide and remove upon completion or when directed, such other necessary temporary barriers, fences, etc., as may be required and is to allow opposite this item for any charges he may wish to make in this connection.</p> <p>The Employer will accept no responsibility whatsoever for damage to or the loss of plant, materials, etc., from the site.</p>
5.10	<p>PROOF OF COMPLIANCE WITH THE LAW</p> <p>The following certificates must be provided before first delivery is taken:</p> <ul style="list-style-type: none"> - Electrical Compliance Certificate - Lightning Certificate - Electrical and Mechanical test certificates - SANS 10400-A:2010 compliance certificates - Latest National Building Regulation - Asbestos removal compliance certificates
5.11	<p>INSURANCE PROVIDED BY THE EMPLOYER</p> <p>Not Applicable</p>
<p>Clause Numbers</p> <p>4.1.7</p> <p>4.2.1</p> <p>4.2.2</p> <p>4.2.3</p>	<p><u>SECTION 2</u></p> <p><u>SPECIFICATION DATA ASSOCIATED WITH SANS 1921-2004</u></p> <p>The requirements for drawings, information and calculations for which the Contractor is responsible are:</p> <p>As built drainage drawings to be submitted by the contractor to the Engineer</p> <p>The responsibility strategy assigned to the Contractor for the works is:</p> <p>Strategy A</p> <p>The structural engineer is:</p> <p>AKSHAN Engineers</p> <p>Drawings & other info are to be submitted in accordance with the contractors programme</p> <p>Not applicable</p>

4.3	<p>The planning, programme and method statement are to comply with the following:</p> <p>N/A</p>
4.12.1	<p>Samples of materials</p> <p>The work is to be executed with materials of the best specified and in the most substantial and workmanlike manner under the inspection of the Employer and to his satisfaction. The Contractor shall furnish, without delay, such samples as called for or may be called for by the Employer, who may reject all materials or workmanship not corresponding with the approved sample. The samples of materials, workmanship and finishes that the Contractor is to provide and deliver to the employer are: Tiles, Vinyl Sheeting, Ceiling, Insulation, Lights</p>
4.12.2	<p>Fabrication drawings that the contractor is to provide to the employer are:</p> <p>None</p>
4.12.3	<p>Office accommodation, equipment, accommodation for site meetings and other facilities for use by the employer and his agents are:</p> <p>OFFICE FOR FOREMAN</p> <p>Provide, erect, maintain and remove at completion a suitable temporary office for the Contractor or his Foreman, perfectly secured, lighted and ventilated and having a desk with drawers.</p> <p>TELEPHONE</p> <p>The Contractor shall provide a telephone on the site for the use of the Contractor and all Sub-Contractors for the duration of the Contract, and must make the necessary application for connection, give all notices and pay all fees, rentals and charges for the service and also for all calls.</p> <p>OFFICE FOR INSPECTOR OF WORKS</p> <p>Provide, erect, maintain and remove at completion a well constructed temporary office for the Inspector of Works not less than 4 x 3 m on plan and 3 m high to eaves to the approval of the Employer. The office shall be constructed of wood framing covered externally with corrugated iron or corrugated asbestos and with a lean-to roof covered with the same material as the external wall covering. The office shall be lined internally with soft board or other approved material and a ceiling shall be provided of the same material as the internal lining. A suspended wood floor shall be provided and is to finish not less than 300 mm above the ground level. A lockable door and a window, which provides adequate light and ventilation, shall be fitted. An office constructed of 115 mm thick brick-work and provided with a screeded concrete floor and roofed and ceiled as above described may be accepted as an alternative but prior permission of the Employer will be necessary before construction of such an office is commenced and his requirements shall be stated and fulfilled by the Contractor. The office shall be fitted in an approved manner with a sloping topped desk of height and length suitable for the laying out and studying of drawings, a desk or table with not less than two lock-up drawers, shelves, seating and wash-stand, and the Contractor shall provide all necessary attendance.</p> <p>TELEPHONE IN OFFICE FOR INSPECTOR OF WORKS</p> <p>The Contractor shall arrange for the installation of a lockable telephone in the Office for the Inspector of Works for the duration of the Contract. The Contractor will be required to make the necessary application for connection and give all notices on behalf of the Employer. The Employer will, however, be responsible for the direct payment of all fees, rentals and other charges by Telkom for the service for the Inspector of Works and for all calls made from this telephone.</p>

	SHED
	Provide, erect, maintain and remove at completion, ample temporary sheds for the proper storage of materials and for the use of the workmen, and remove when no longer required.
4.14.6	The requirement for provision and erection of signboards are:
	Supply, erect, maintain and remove at completion a painted notice board, size overall 2800 x 2345 mm high sign written to detail as Drawing No. T9506 which drawing is available from offices of the Department of Public Works. Only the official notice board is to be displayed on the site and no Sub-Contractor's boards will be permitted. The Contractor, at his own cost, may provide a board on which all sub-contract firms' names may be sign written. The notice board is to be to the approval of the Employer and is to be maintained in first class condition and placed where directed at the entrance to the site and remain there for the duration of the Contract.
4.17.1	Requirement for the termination, diversion or maintenance of existing services:
	Should the Contractor come in contact with any underground cables or pipes during excavations, immediate notification must be made to the Employer and all work in the vicinity of such cables, pipes, etc., shall cease until authority to proceed has been obtained from the Employer. Should the Contractor damage underground cables or pipes resulting in a disruption of services to an existing institution such damage shall be repaired immediately.
4.17.3	Services which are known to exist on the site:
	Investigate and provide detail drawings.
4.17.4	Requirement for detection apparatus
	None
4.18	ADDITIONAL HEALTH AND SAFETY REQUIREMENTS ARE:
	By the submission of a tender, any Tenderder will, if awarded the contract to which this tender document relates, be deemed to be the mandatory as envisaged by Section 37 (2) of the Act. As a mandatory the successful Tenderder will be deemed to be the "principal contractor" and an employer in his/her/their own right with duties as prescribed in the Act and accordingly will be deemed to have agreed to be solely responsible for ensuring that in connection with the service to which this tender document relates, all work will be performed and machinery and plant used in accordance with the Act. Should the Contractor, for whatever reason be unable to perform as required by the Act, the Contractor undertakes to inform the Employer accordingly. Tenderders are advised that it is a Condition of this Tender that a 'Construction Phase Safety, Health and Environmental Plan' specifically relates to the project for which tenders are being submitted and must be prepared by the Tenderder and submitted with the other tender documents at the time of tender. Failure to do so will Tenderders are therefore advised to study the 'Construction Safety, Health and Environmental Specification' which is issued as part of this tender document, the Model Preambles to Trades - 2008, any project Specification included in this tender document and any and all drawings which are referred to and issued as part of this tender document before preparing their own project specific 'Construction Phase Safety, Health and Environmental Plan'. Tenderders are also advised that such a plan which is submitted with a tender but is incomplete or considered inadequate by the Employer or his Representative will invalidate the tender. The Contractor will be deemed to have satisfied himself with his obligations in terms of the Act and to have allowed for all costs arising from compliance with the Act as no claim for extra costs arising from compliance with, and obligations in terms of the Act will be entertained.
4.22	WORK BY NOMINATED AND SELECTED SUBCONTRACTORS COMPRISE:
	List of applicable sub-contractors to be compiled post award.

C3.2 - SPECIFICATION FOR HIV/AIDS AWARENESS

1 Scope

This generic specification contains requirements applicable to the reduction of the risk of transfer of the HIV virus between and among construction workers and the local community through the following four strategies:

- a) raising awareness about HIV/AIDS;
- b) providing construction workers with access to condoms;
- c) HIV counselling, testing and referral services; and
- d) Sexually Transmitted Infection diagnosis and treatment.

2 Normative references:

The following standard contains provisions that, through reference in this text, constitute provisions of this standard:

SANS 4074 ISO 4074, *Condom Rubbers*

3 Definitions and Abbreviations

3.1 Definitions

Construction Worker: all persons in the employ of the contractor or in the employ of any of the subcontractors contracted by the contractor.

Local Community: the communities local to the site which are most likely to have contact with the construction worker and, in particular, sex workers in those communities.

Service provider: the natural or juristic person recognised by the South African Department of Health as specialist in conducting Aids Awareness Programmes.

3.2 Abbreviations

STI: Sexually transmitted infection

HIV: Human Immunodeficiency Virus

AIDS: Acquired Immune Deficiency Syndrome

4 Objectives

The objectives are to:

- a) reduce the risk of transfer of the HIV virus between and among construction workers and the local community;
- b) raise awareness amongst construction workers and the local community of the risk of infection with the HIV virus;
- c) promote early diagnosis; and
- d) assist affected individuals to access care and counselling.

- b) either place and maintain HIV/AIDS awareness posters of size of not less than A1 in areas which are highly trafficked by construction workers, or provide construction workers with a pamphlet, in languages largely understood by construction workers, which
- c) encourage voluntary HIV/STI testing;
- d) provide information concerning counselling, support and care of those that are infected services; and
- e) comply with the requirements of 5.2.

The provisions of 5.1 c) and d) do not apply to this contract.

5.2 HIV awareness programme

5.2.1 The contractor shall:

- a) engage a qualified service provider as described in the scope of works to conduct an HIV Awareness Programme which is structured to achieve the outcomes stated in 5.2.3 for contract workers as soon as a construction workers camp is established and populated or, where no such camp is established, within two weeks of the commencement of a significant portion of the works and at subsequent intervals, if any, provided for in the scope of works; and
- b) arrange for, provide a suitable venue, and instruct all construction workers to attend the HIV Awareness Programme and notify the Employer's Representative of the date, time and venue whenever a session with construction workers is conducted.

Note: The National Department of Public Works maintains a list of qualified service providers.

5.2.2 The contractor shall do nothing to dissuade construction workers from attending such an HIV Awareness Programme and shall take all reasonable steps to ensure that a minimum of 90% of construction workers engaged in the works attend such a programme, when it is conducted.

5.2.3 The outcomes of the HIV Awareness Programme shall as a minimum, result in contract workers exposed to such a programme being able to:

- a) communicate the existence of problems of HIV and be able to outline the consequences of transmission of HIV to or from the local community;
- b) recall and communicate the mode of HIV transmission and preventative measures including the proper use of the condom.

The HIV/ Aids awareness programme described in 5.2 is to be repeated at four month intervals throughout the duration of the contract. (Four times in total, including the initial one at the start of the contract)

5.3 Reporting

- 5.3.1** The contractor shall prepare and attach to his claims for payment a brief report which outlines how the actions taken by the contractor in the period for which payment is claimed satisfy the requirements and a schedule which lists the names, identify numbers, trade / occupation and name of employer of all construction workers exposed to the programme (see **HIV/STI Compliance Report**).
- 5.3.2** The employer's representative shall certify the report and schedule described in 5.3.1 whenever a claim for payment is issued to the employer.

Note: In the event that the contractor fails to satisfy the requirements of this specification, the employer (Head: Public Works) may apply any of the sanctions provided for in the contract. Sanctions may include the application of a financial penalty of .04% of the Contract Sum.

The *HIV /Aids* awareness programme described in 5.2 shall in addition *be conducted* for the benefit of the local community on two occasions in the community centre nearest to the building site. The contractor shall be *responsible* for inviting identifiable community-based *institutions and organisations, churches, and schools to participate in the programme.*

C3.3 - HIV/STI COMPLIANCE REPORT

Pro-forma reporting format in terms of the SPECIFICATION FOR HIV/AIDS AWARENESS

Project Code:

0

Payment Claim number:

--

Period covered by payment claim:

--

1. Distribution of condoms (briefly describe where and how condoms are distributed).

2. Posters / pamphlets (briefly describe where posters were placed / how pamphlets were distributed).

3. Voluntary testing (briefly describe the actions taken / information provided to promote testing).

--

4. Counselling, support and care (summarise information provided).

--

5. HIV awareness programme (briefly describe action).

6. Schedule of construction workers exposed to the HIV awareness programme.

Name	Identity number	Trade / occupation	Name of employer

I hereby declare the above to be a true reflection of actions taken to ensure compliance with the specification.

For Contractor:

Name: _____
Signature: _____
Date: _____

Employer's representative:

Name: _____
Signature: _____
Date: _____



CONSTRUCTION OF A SMALL CLINIC AT BLAAUBOSCH CLINIC

PART C4. SITE INFORMATION

C4.1 SITE INFORMATION GCC FOR CONSTRUCTION WORKS (2 Edition of 2010)			
Project title:	CONSTRUCTION OF A SMALL CLINIC AT BLAaubOSCH CLINIC		
Tender No.	ZNB5544/2023-H	Project Code:	N/A
C4.1 Site Information			
C4.1	GENERAL		
(a)	The condition of the soil will not affect construction as blasting will not be required. The water table is not visible and should not hamper construction.		
(b)	0		
(c)	0		
C4.2	GEOTECHNICAL INVESTIGATION REPORT		
(a)	Not applicable		



CONSTRUCTION OF A SMALL CLINIC AT BLAaubOSCH CLINIC

PART C5 - DRAWINGS / ANNEXURES

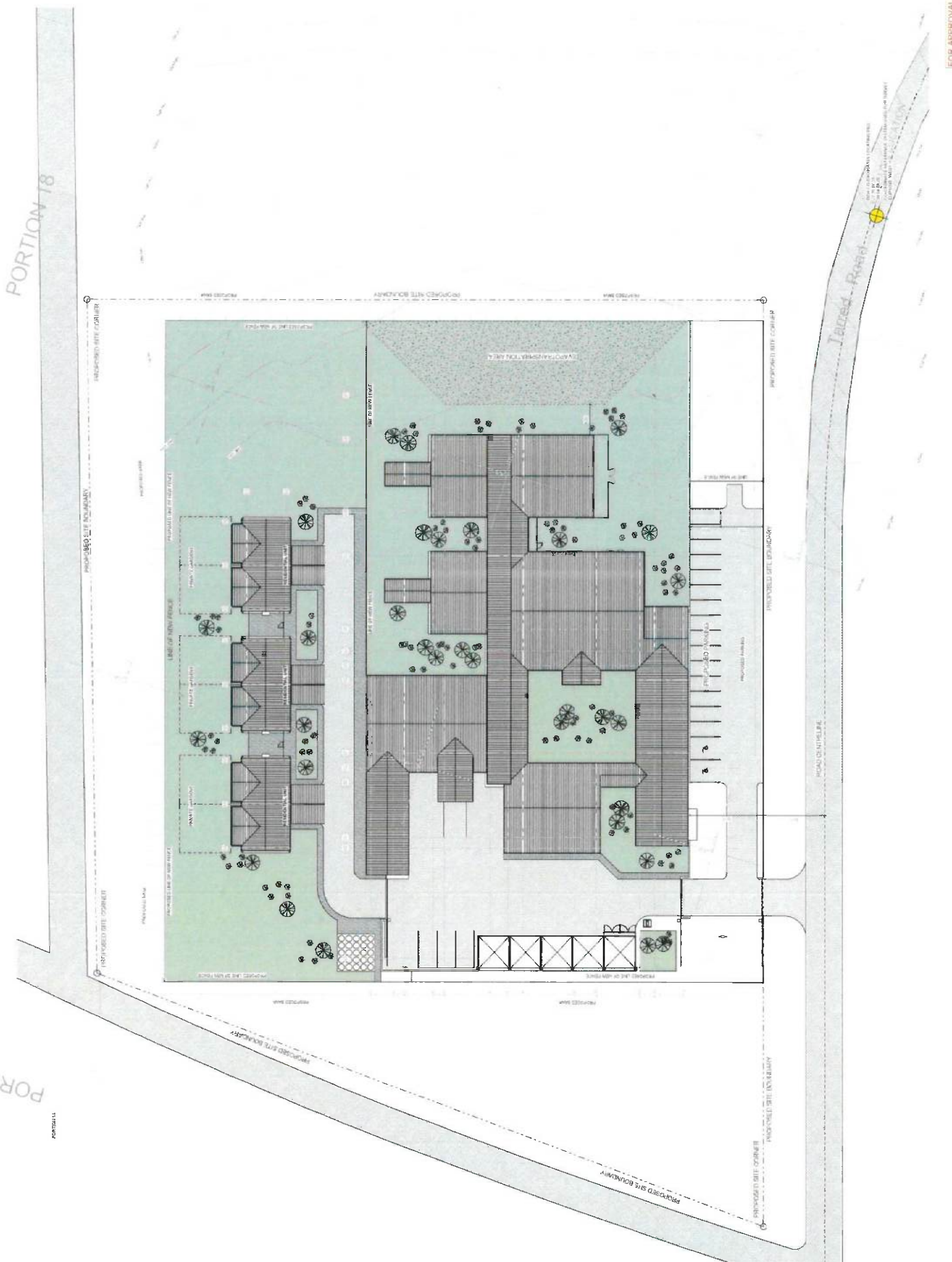
C5.1 - LIST OF DRAWINGS/ANNEXURES

CONSTRUCTION OF A SMALL CLINIC AT BLAaubosch Clinic

Tender No.:	ZNB5544/2023-H	Project Code:	N/A
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The following drawings/annexure's shall be issued during the Tender period to form part of the tender documentation. Where applicable, drawings/annexure's could be re-issued to the Contractor at commencement of the construction phase.

<u>DRAWING NO</u>	<u>DESCRIPTION</u>
1no.	Site Layout
1no.	Floor plan
1no.	Residential floor plan
1no.	Window schedule
1 set	Door schedule



CLIENT: BLAUWBORGH CLINIC
 ARCHITECT: *K. J. Jans*
 ARCHITECTURE: K. J. JANS ARCHITECTS
 ARCHITECT NO.: 2019
 PROJECT NO.: 2022.07.14



BLAUWBORGH CLINIC - SITE
 27°38'30" S 30°56'48" E
 OVERALL SITE PLAN

DATE: 2022.07.14	SCALE: 1:500	SHEET NO: 01
CLIENT: BLAUWBORGH CLINIC	ARCHITECT: K. J. JANS ARCHITECTS	PROJECT NO.: 2022.07.14

FOR APPROVAL



OWNER: HEALTH SERVICES AUTHORITY
 PROJECT: PROPOSED RWJMS
 ARCHITECT: RUGBY ARCHITECTS
 DATE: 11/19/2024

health
 HEALTH SERVICES AUTHORITY
 PROPOSED RWJMS

Ruben rugby architects
 BLAUBOSCH CLINIC
 RWJMS RWJMS

GROUND FLOOR PLAN

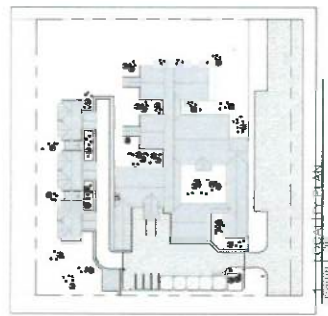
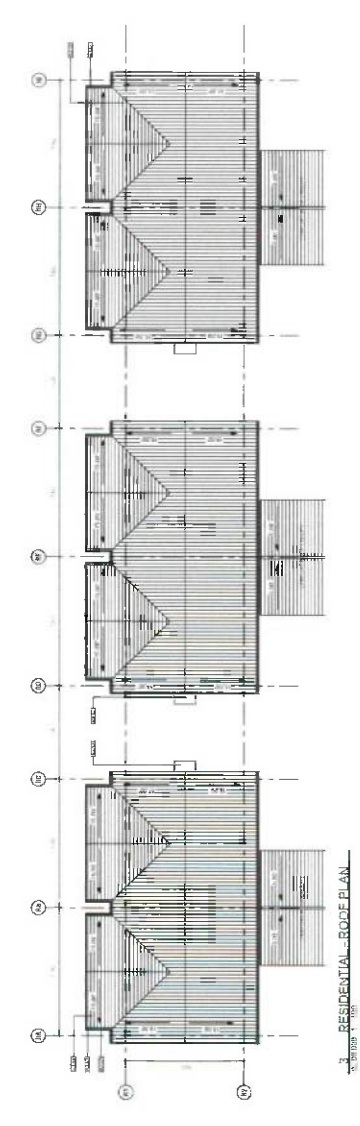
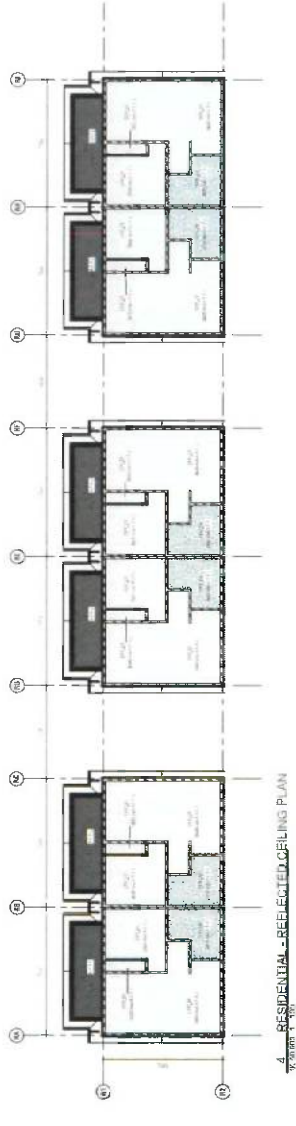
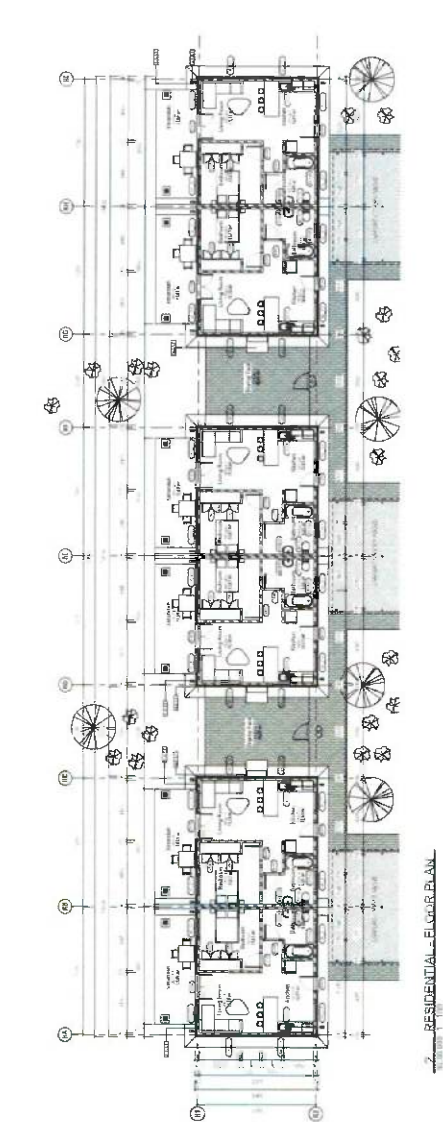
DATE: 11/19/2024
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]

FOR APPROVAL

Room Number	Room Name	Area (sq ft)	Notes
101	RECEPTION	150	
102	WAITING AREA	300	
103	REGISTRATION	100	
104	PHYSICIAN OFFICE	120	
105	NURSE STATION	80	
106	EXAM ROOM	180	
107	DIAGNOSTIC ROOM	200	
108	LABORATORY	250	
109	PHARMACY	150	
110	STORAGE	100	
111	RESTROOM	50	
112	CONFERENCE ROOM	120	
113	TRAINING ROOM	200	
114	OFFICE	100	
115	RECEPTION	150	
116	WAITING AREA	300	
117	REGISTRATION	100	
118	PHYSICIAN OFFICE	120	
119	NURSE STATION	80	
120	EXAM ROOM	180	
121	DIAGNOSTIC ROOM	200	
122	LABORATORY	250	
123	PHARMACY	150	
124	STORAGE	100	
125	RESTROOM	50	
126	CONFERENCE ROOM	120	
127	TRAINING ROOM	200	
128	OFFICE	100	
129	RECEPTION	150	
130	WAITING AREA	300	
131	REGISTRATION	100	
132	PHYSICIAN OFFICE	120	
133	NURSE STATION	80	
134	EXAM ROOM	180	
135	DIAGNOSTIC ROOM	200	
136	LABORATORY	250	
137	PHARMACY	150	
138	STORAGE	100	
139	RESTROOM	50	
140	CONFERENCE ROOM	120	
141	TRAINING ROOM	200	
142	OFFICE	100	
143	RECEPTION	150	
144	WAITING AREA	300	
145	REGISTRATION	100	
146	PHYSICIAN OFFICE	120	
147	NURSE STATION	80	
148	EXAM ROOM	180	
149	DIAGNOSTIC ROOM	200	
150	LABORATORY	250	
151	PHARMACY	150	
152	STORAGE	100	
153	RESTROOM	50	
154	CONFERENCE ROOM	120	
155	TRAINING ROOM	200	
156	OFFICE	100	
157	RECEPTION	150	
158	WAITING AREA	300	
159	REGISTRATION	100	
160	PHYSICIAN OFFICE	120	
161	NURSE STATION	80	
162	EXAM ROOM	180	
163	DIAGNOSTIC ROOM	200	
164	LABORATORY	250	
165	PHARMACY	150	
166	STORAGE	100	
167	RESTROOM	50	
168	CONFERENCE ROOM	120	
169	TRAINING ROOM	200	
170	OFFICE	100	
171	RECEPTION	150	
172	WAITING AREA	300	
173	REGISTRATION	100	
174	PHYSICIAN OFFICE	120	
175	NURSE STATION	80	
176	EXAM ROOM	180	
177	DIAGNOSTIC ROOM	200	
178	LABORATORY	250	
179	PHARMACY	150	
180	STORAGE	100	
181	RESTROOM	50	
182	CONFERENCE ROOM	120	
183	TRAINING ROOM	200	
184	OFFICE	100	
185	RECEPTION	150	
186	WAITING AREA	300	
187	REGISTRATION	100	
188	PHYSICIAN OFFICE	120	
189	NURSE STATION	80	
190	EXAM ROOM	180	
191	DIAGNOSTIC ROOM	200	
192	LABORATORY	250	
193	PHARMACY	150	
194	STORAGE	100	
195	RESTROOM	50	
196	CONFERENCE ROOM	120	
197	TRAINING ROOM	200	
198	OFFICE	100	
199	RECEPTION	150	
200	WAITING AREA	300	

RESIDENSIAL PLAN
 This plan shows the layout of the residential building, including the floor plan, ceiling plan, and roof plan. The floor plan shows the arrangement of rooms, corridors, and service areas. The ceiling plan shows the location of ceiling lights and other fixtures. The roof plan shows the layout of the roof structure and any external features. The plan is drawn to a scale of 1:100 and is intended for use in the construction of the building.

NO.	REVISION	DATE	BY	CHECKED BY
1	ISSUED FOR APPROVAL	15/11/2023	[Signature]	[Signature]
2	REVISION	15/11/2023	[Signature]	[Signature]
3	REVISION	15/11/2023	[Signature]	[Signature]
4	REVISION	15/11/2023	[Signature]	[Signature]
5	REVISION	15/11/2023	[Signature]	[Signature]
6	REVISION	15/11/2023	[Signature]	[Signature]
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8	REVISION	15/11/2023	[Signature]	[Signature]
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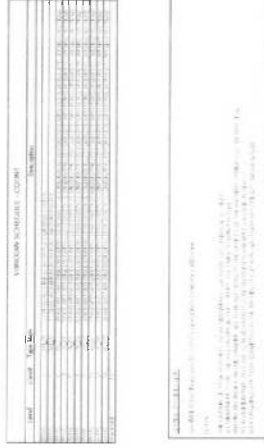
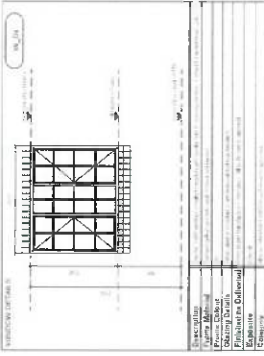
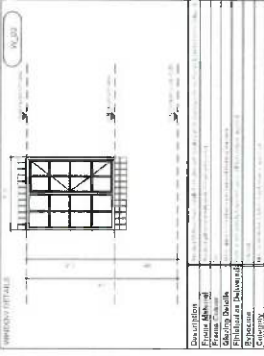
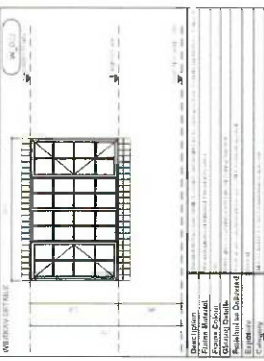
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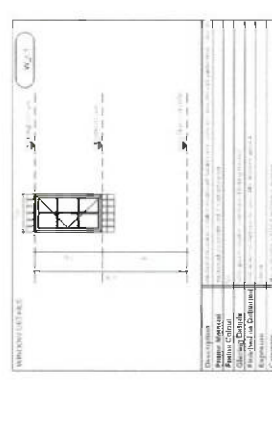
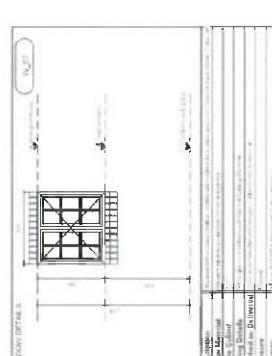
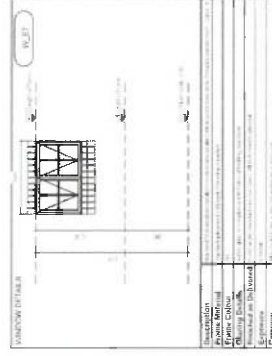
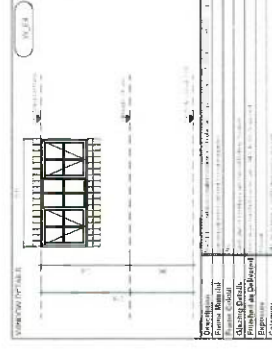
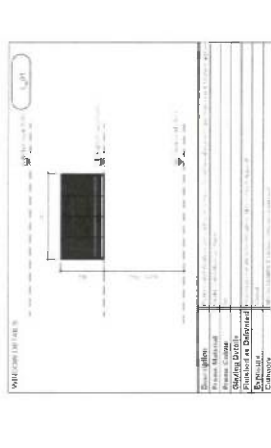
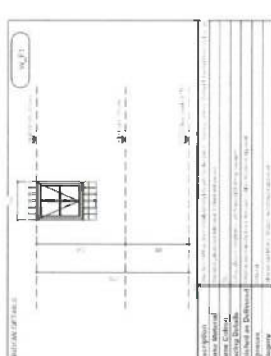
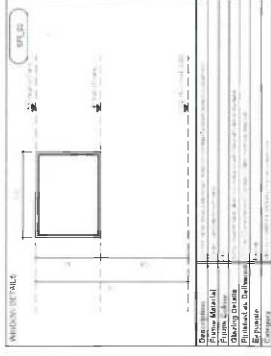
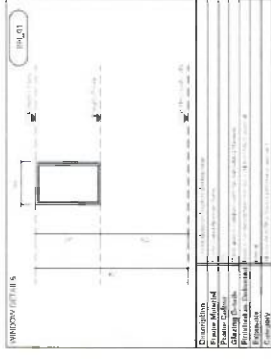
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WINDOW SCHEDULE (COLUMN)



DOOR SCHEDULE

DOOR SCHEDULE - COUNT		
Type Mark	Count	Description
CD02	16	TYPICAL CUPBOARD DOUBLE DOOR
D6	1	600x900 INTERNAL ROLLER SHUTTER DOOR
DBD01	1	TYPICAL FIRE CUPBOARD DOUBLE DOOR
FCD01	6	TYPICAL FIRE CUPBOARD DOUBLE DOOR
FD03	1	1600x2032 DOUBLE 'CLASS B ' FIRE DOOR GMS CLADDED WITH THUMB TURN & LOCK
FD05	3	1400x2032 UNEVEN DOUBLE CLASS B FIRE DOOR WITH HOLD OPEN
FD07	1	813x2032 SINGLE ACCESS CONTROLLED CLASS B FIRE DOOR
FD10	1	813x2032 SINGLE CLASS B FIRE DOOR GMS CLADDED WITH THUMB TURN & LOCK
G2	4	2000 x 1200 GALVANISED STEEL SWING GATE. PRIMED AND PAINTED
G3	3	2100 x 1500 1.5 LEAF GALVANISED STEEL SECURITY GATE. PRIMED AND PAINTED
G4	3	2125 x 900 GALVANISED STEEL SWING GATE. PRIMED AND PAINTED
G5	2	1800 x 900 GALVANISED STEEL SWING GATE.PRIMED AND PAINTED
G6	8	2130 x 1850 GALVANISED STEEL DOUBLE SWING GATE. PRIMED AND PAINTED
G7	1	1950 x 2100 GALVANISED STEEL DOUBLE SWING GATE. PRIMED AND PAINTED
SD02	2	1050x2100 SINGLE STEEL LOUVRED SERVICE DOOR
SED	1	SPECIALISED SECURITY MANAGEMENT DOUBLE DOOR
SFD02	6	1400 x2050 DOUBLE SHOPFRONT DOOR
SFD04	3	1600x2050 DOUBLE SHOPFRONT DOOR WITH LOCK
SFD05	3	1600x2050 DOUBLE SHOPFRONT DOOR WITH PANIC BAR
SFD06	1	1400x2050 UNEVEN DOUBLE EXTERNAL ALUMINIUM GLASS DOOR
SFD07	7	1300x2050 UNEVEN DOUBLE EXTERNAL ALUMINIUM GLASS DOOR
SFD11	1	1600x2032 DOUBLE SHOPFRONT DOOR
SPD01	2	SPECIALISED RECORDS ROOM DOOR BY SPECIALIST MANUFACTURERS DETAILS
WD04	7	813x2032 SOLID CORE HARDWOOD TIMBER BATTEN EXTERNAL DOOR
WD05	3	1350x2032 UNEVEN DOUBLE SOLID TIMBER DOOR
WD06	4	1400x2032 UNEVEN DOUBLE SOLID TIMBER DOOR WITH VIEWING PANEL
WD06B	3	1350x2032 UNEVEN DOUBLE SOLID TIMBER DOOR WITH VIEWING PANEL WITHOUT LOCK
WD07	4	813x2032 ACCCESS CONTROLLED SOLID TIMBER DOOR
WD08	19	813x2032 SOLID TIMBER DOOR WITH LEVER & LOCK SET
WD09	9	900x2032 SOLID TIMBER DOOR WITH PUSH/PULL ACTION
WD10	5	900x2032 SOLID CORE TIMBER DOOR FOR DISABLE WC
WD11	12	813x2032 SOLID TIMBER DOOR FOR WC
WD13	16	813x2032 SOLID TIMBER DOOR WITH CLOSER & LOCK SET
WD14	15	900x2032 SOLID TIMBER DOOR WITH CLOSER & LOCK SET
Grand total	174	

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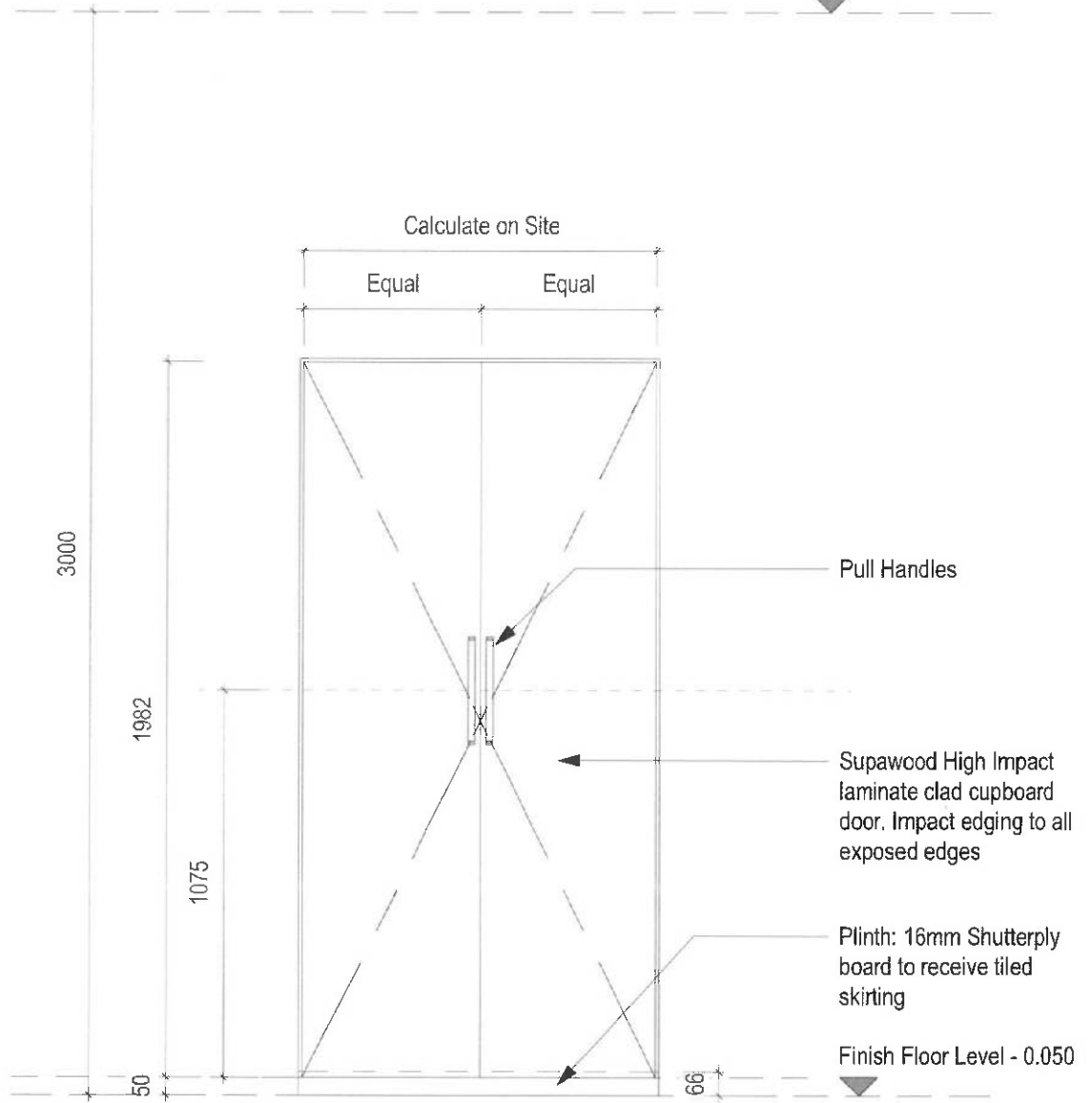
- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

2023_F480-RRR-B00-XX-SH-A-06.01.001

 ruben reddy architects

Durban | Johannesburg | Cape Town | Bloemfontein | Pietermaritzburg
info@rubenreddyarchitects.co.za | www.rubenreddyarchitects.co.za

Ceiling Level Level



DESCRIPTION:	C.O.S x 2032 x 16mm Demountable Supawood Cupboard door. Door to be equal leaves. Supawood to be clad with HPL. Max on Top Colour: TBC	
FRAME:	Compact High Pressure Laminate Frame section to suit door opening - supplied complete with door by specialist.	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	1 of Gelmar Strip Handles per leaf, 192mm. Brushed Satin Nickel finish	
LOCKS:	Locking system to suit application, installed by manufacturer. Sample to be approved by Architects.	
CYLINDERS:	As per manufacturers specifications	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:		EXTRAS:
DOOR STOP:		FLUSH BOLT: 2 of Flushbolt 150mm ST/C to suit application by manufacturer
ACCESS CONTROL:		
HINGES:	2 Pairs per leaf of Hafele 90° with integrated soft close. Hinge - 311,60, 565, - Plate: 311,60,566 or equal approved	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

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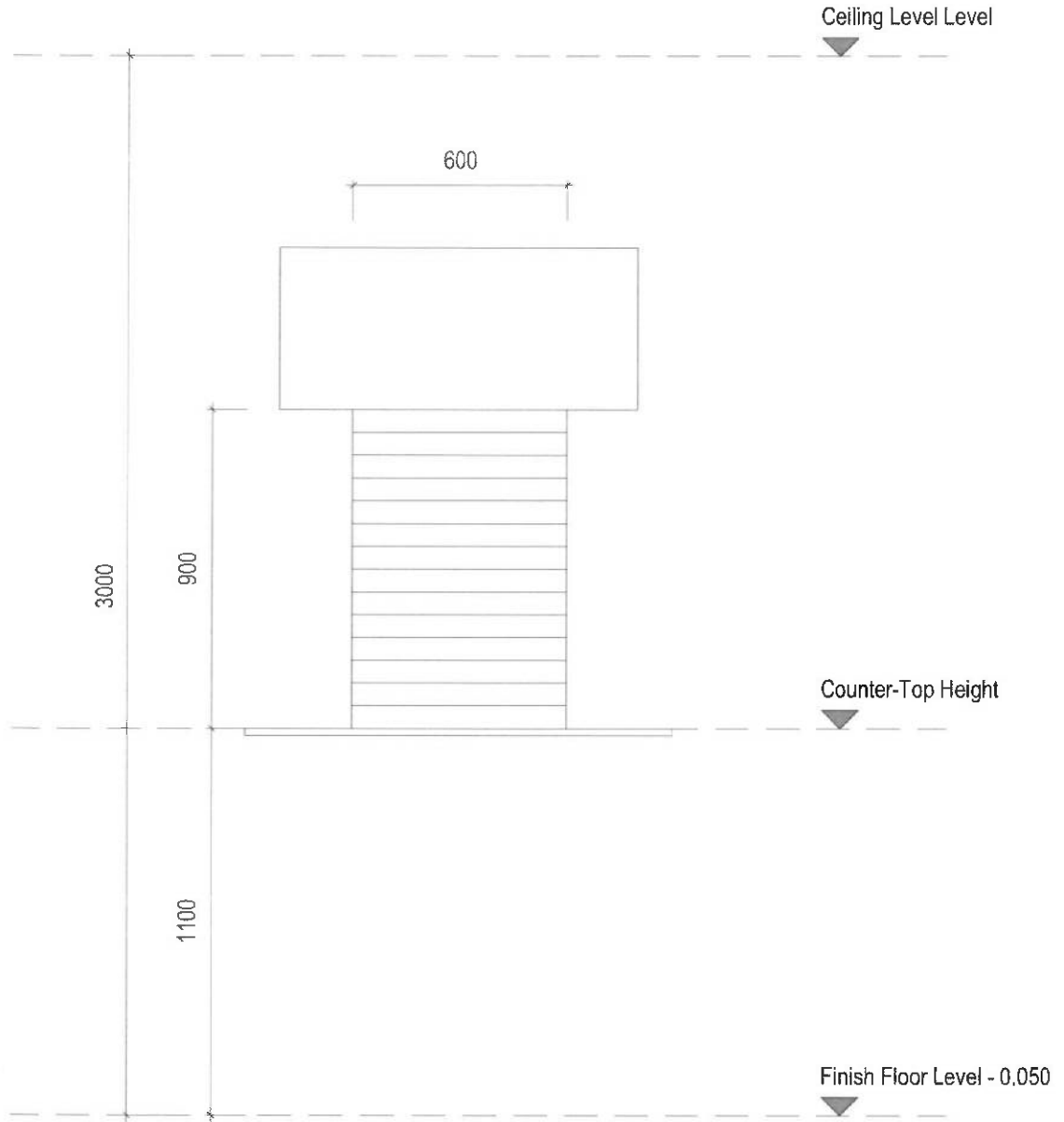
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DOOR SCHEDULE

Door Type : D6



DESCRIPTION:	600 x 900 Roll-up shutter door. Galvanized steel primed and painted with chain operated on inside.	
FRAME:	As per manufacturers specifications	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	N/A	
LOCKS:	As per manufacturers specifications	
CYLINDERS:	As per manufacturers specifications	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:		EXTRAS: Door locking latch as per manufacturers specifications
DOOR STOP:		FLUSH BOLT:
ACCESS CONTROL:		
HINGES:		
KICKPLATE:		
SIGNAGE:		

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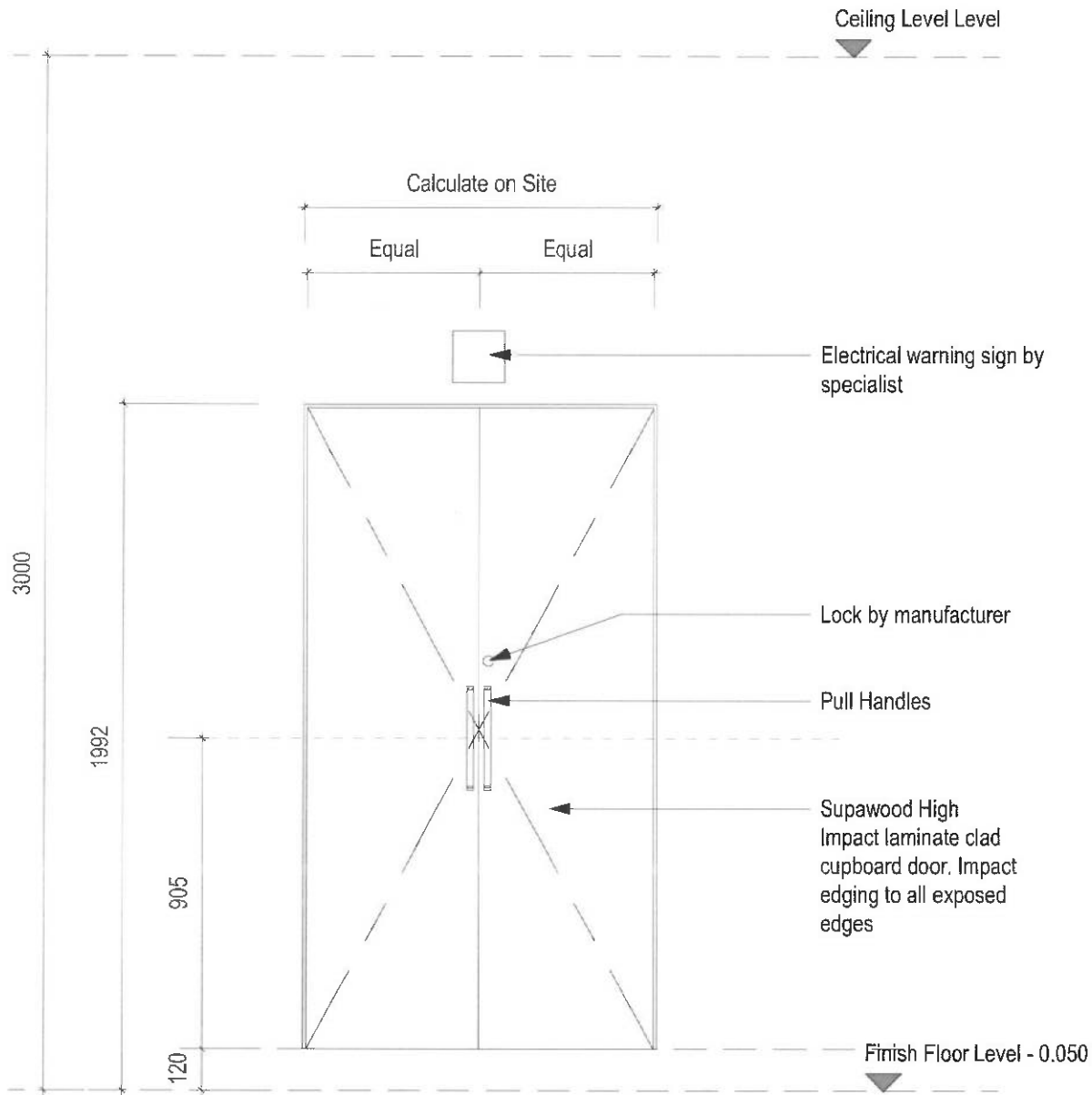
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Director | Johannesburg | Cape Town | Durban
 info@rubenreddyarchitects.co.za | www.rubenreddyarchitects.co.za

DOOR SCHEDULE

Door Type : DBD01



DESCRIPTION:	C.O.S x 2032 x 16mm Demountable Supawood MEP Services duct door. Door to be equal leaves. Supawood to be clad with HPL. Max on Top Colour: TBC	
FRAME:	Compact High Pressure Laminate Frame section to suit door opening - supplied complete with door by specialist.	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	1 of Hafele Bar Handle per leaf, 200mm. Steel handle Brushed Nickel plated finish. Cat.No. 117.97.043	
LOCKS:	Locking system to suit application, installed by manufacturer. Sample to be approved by Architects.	
CYLINDERS:	As per manufacturers specifications	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:		EXTRAS:
DOOR STOP:		FLUSH BOLT: 2 of Flushbolt 150mm ST/C to suit application by manufacturer
ACCESS CONTROL:		
HINGES:	2 Pairs per leaf of Hafele 90° with integrated soft close. Hinge - 311,60, 565, - Plate: 311,60,566 or equal approved	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

26/06/2023 11:22:59 : TIME STAMP

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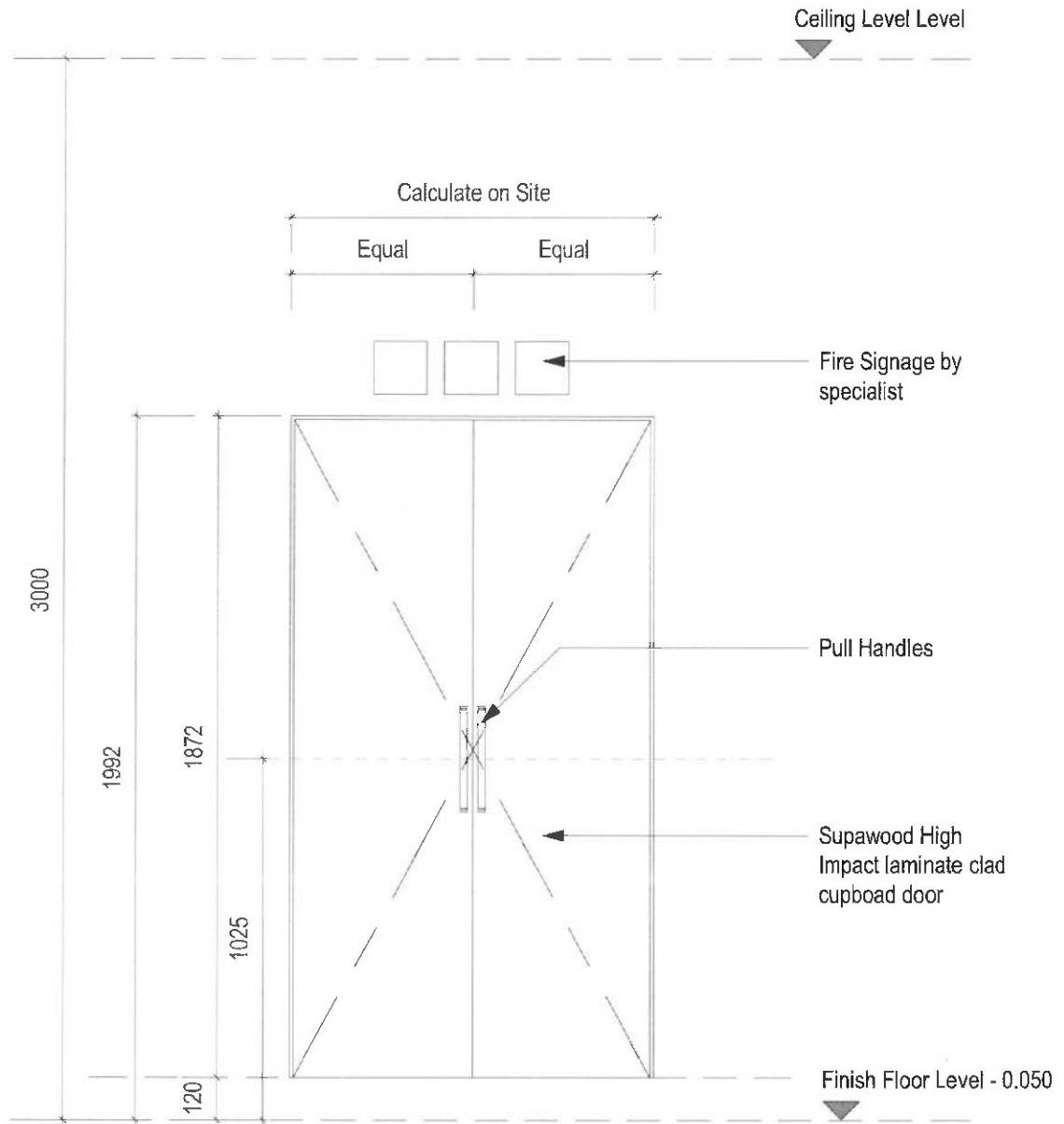
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Durban | Johannesburg | Cape Town | Bloemfontein | Fouriesburg
182 Zithakandya road, 4013 | www.rubenreddy.co.za

DOOR SCHEDULE

Door Type : FCD01



DESCRIPTION:	C.O.S x 2032 x 16mm Demountable Supawood MEP Services duct door. Door to be equal leaves. Supawood to be clad with HPL. Max on Top Colour: TBC	
FRAME:	Compact High Pressure Laminate Frame section to suit door opening - supplied complete with door by specialist.	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	1 of Hafele Bar Handle per leaf, 200mm. Steel handle Brushed Nickel plated finish. Cat.No. 117.97.043	
LOCKS:	Locking system to suit application, installed by manufacturer. Sample to be approved by Architects.	
CYLINDERS:	As per manufacturers specifications	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:		EXTRAS:
DOOR STOP:		FLUSH BOLT: 2 of Flushbolt 150mm ST/C to suit application by manufacturer
ACCESS CONTROL:		
HINGES:	2 Pairs per leaf of Hafele 90° with integrated soft close. Hinge - 311,60, 565, - Plate: 311,60,566 or equal approved	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

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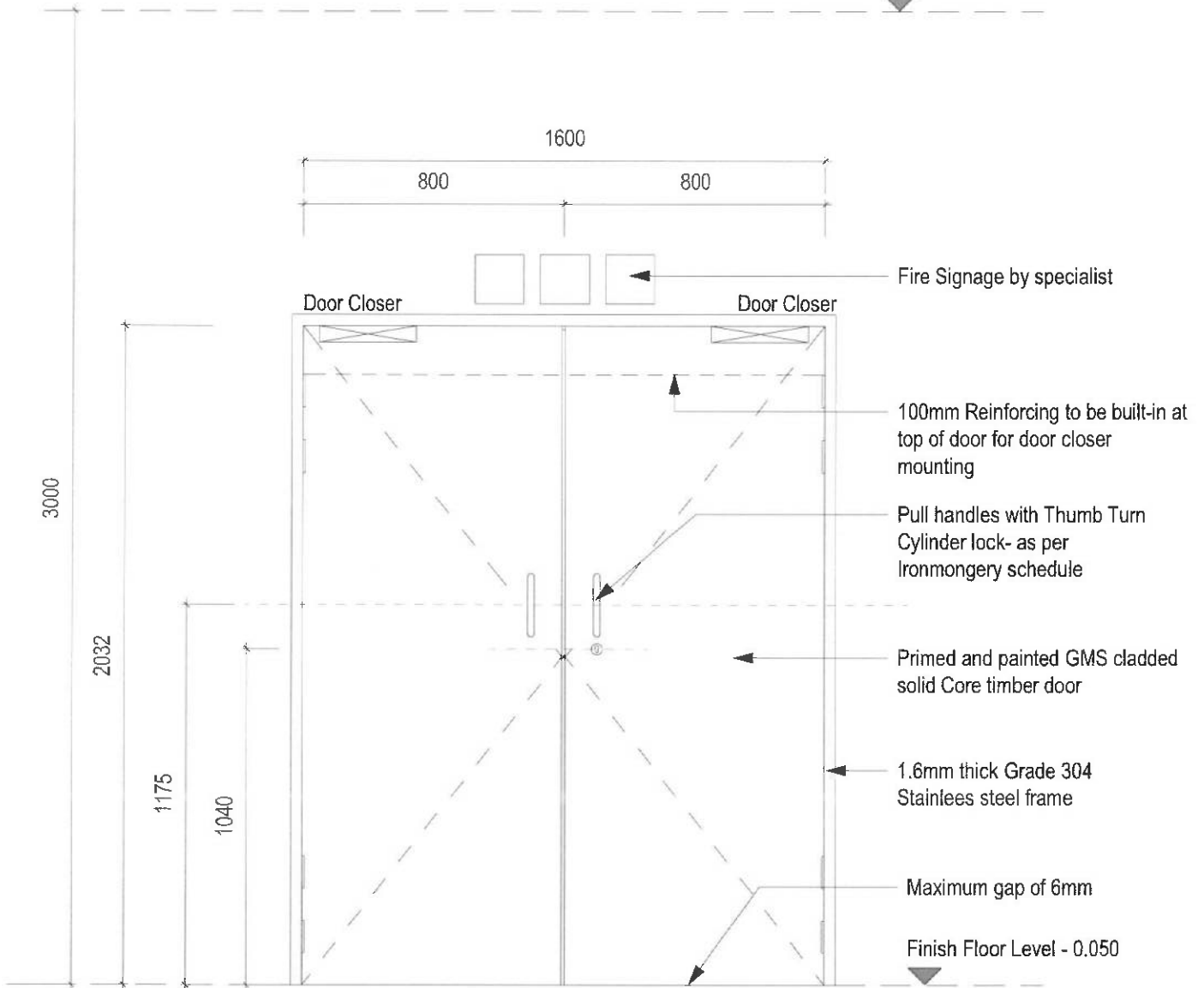
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DOOR SCHEDULE

Door Type : **FD03**

Ceiling Level Level



DESCRIPTION:	Fire certified and approved 1600x2032x46mm, CLASS B 2 hour fire rated double door completely clad in GMS sheeting with all edges sealed. Supplied complete with frame in accordance with SANS 1253. Primed & painted with 2 coats Dulux PearlGlo Waterbased Enamel applied in strict accordance with the manufacturers specifications. Colour TBC	
FRAME:	Fire door frame as supplied complete with door by manufacturer. Stainless steel Grade 316 with approximately 48mm rebate to suit door. Brush steel finish.	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	4 of Geze B/B Pull Handles	
LOCKS:	1 of Geze 194/01 Thumb Turn and Lock TT001SS	
CYLINDERS:	1 of Geze IG950933338M N/PL Double Cylinder 66mm Master Key CMK	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5034SR TS5000 Door Closer C/W ISM Guide Rail	EXTRAS: 2 of Geze AD4001 Mounting Plate for TS5000 Door Closer
DOOR STOP:	2 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT:
ACCESS CONTROL:		
HINGES:	2 Pairs Stainless Steel Hinges per leaf supplied complete with door and frame by manufacturer	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

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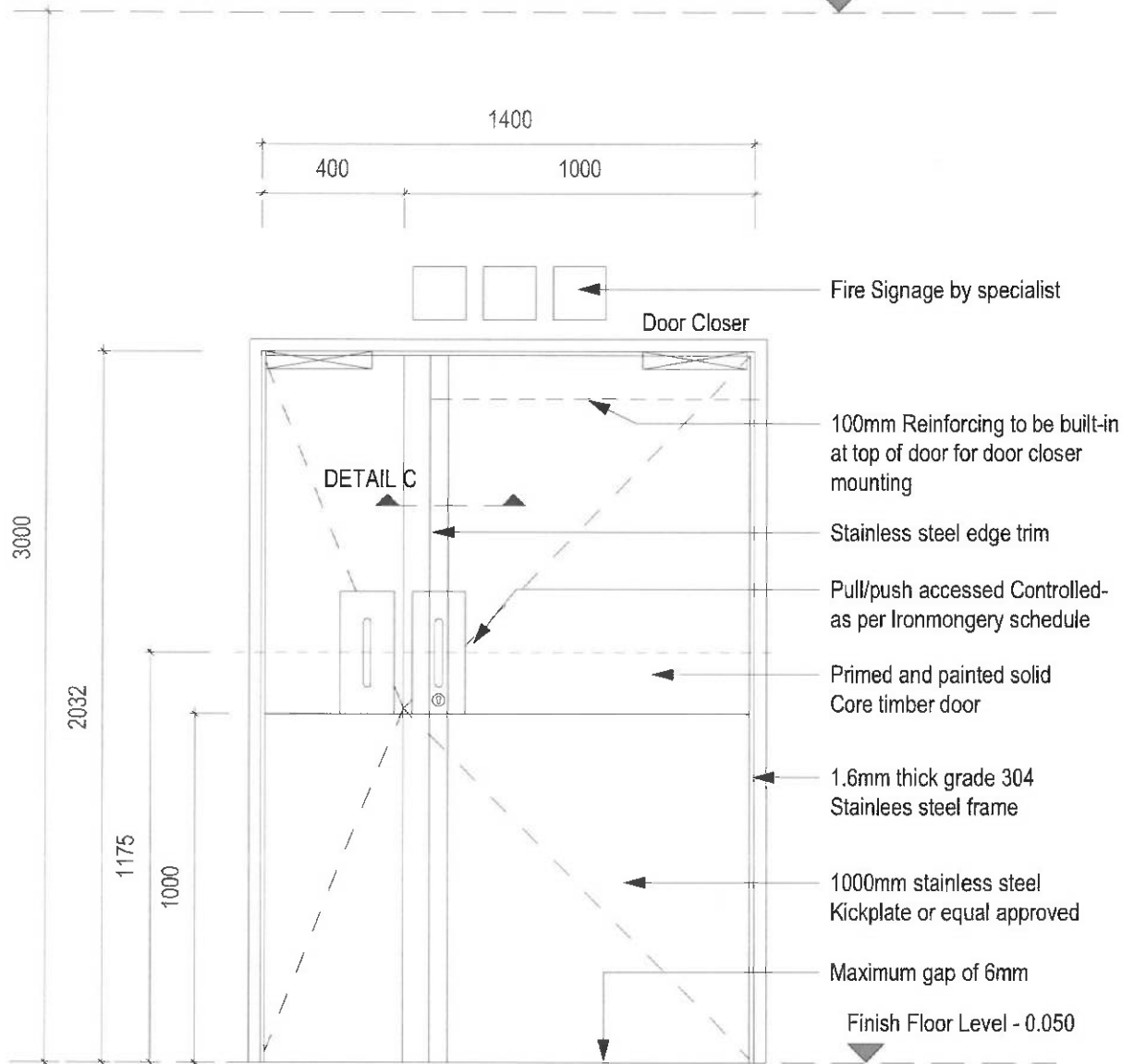
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Durban | Johannesburg | Cape Town | Bloemfontein | Polokwane
111, Bontekamp Street, 4th Floor, Durban, South Africa

DOOR SCHEDULE

Door Type : **FD05a**

Ceiling Level Level



DESCRIPTION:	Fire certified and approved 1400x2032x46mm Hold Open CLASS B 2 hour fire rated single door with masonite veneer and meeting stiles with overlapping stainless steel edge trimming as per Detail C by manufacturer. Front & back edges dressed in stainless steel as per detail A by manufacturer. All exposed sides incl top & bottom to be Primed and Painted with 2 Coats of Dulux Pearlglø Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC Supplied complete with frame in accordance with SANS 1253.	
FRAME:	Fire door frame as supplied complete with door by manufacturer. Stainless steel Grade 316 with approximately 48mm rebate to suit door. Brush steel finish.	
GLAZING:		
IRONMONGERY:		
HANDLES:	2 of Geze 075/350/B Pull Handle on 350x150x1.6mm Blank S/S 6 Fix Holes	
LOCKS:	1 of Geze 742/68 Euro Profile Cyl Deadlock S/S 76mm	
CYLINDERS:	1 of Geze IG950933338M N/PL Double Cylinder 66mm Master Key CMK	
SUNDRY 1:	2 x Geze 079/350/B Push Plate on 350x150x1.6mm S/S 6 fix holes with "Push" Engraved	
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5034SR TS5000 Door Closer C/W ISM Guide Rail	EXTRAS: 6 of Geze ND0501 Patent Fixing Screws
DOOR STOP:	2 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT: 1 of Geze 120/150 Flushbolt 150mm ST/C & 1 of Geze 120/300 Flushbolt 300mm ST/C
ACCESS CONTROL:		
HINGES:	1.5 pairs Stainless Steel hinges per leaf supplied complete with door and frame by manufacturer	
KICKPLATE:	1000 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.	
SIGNAGE:		

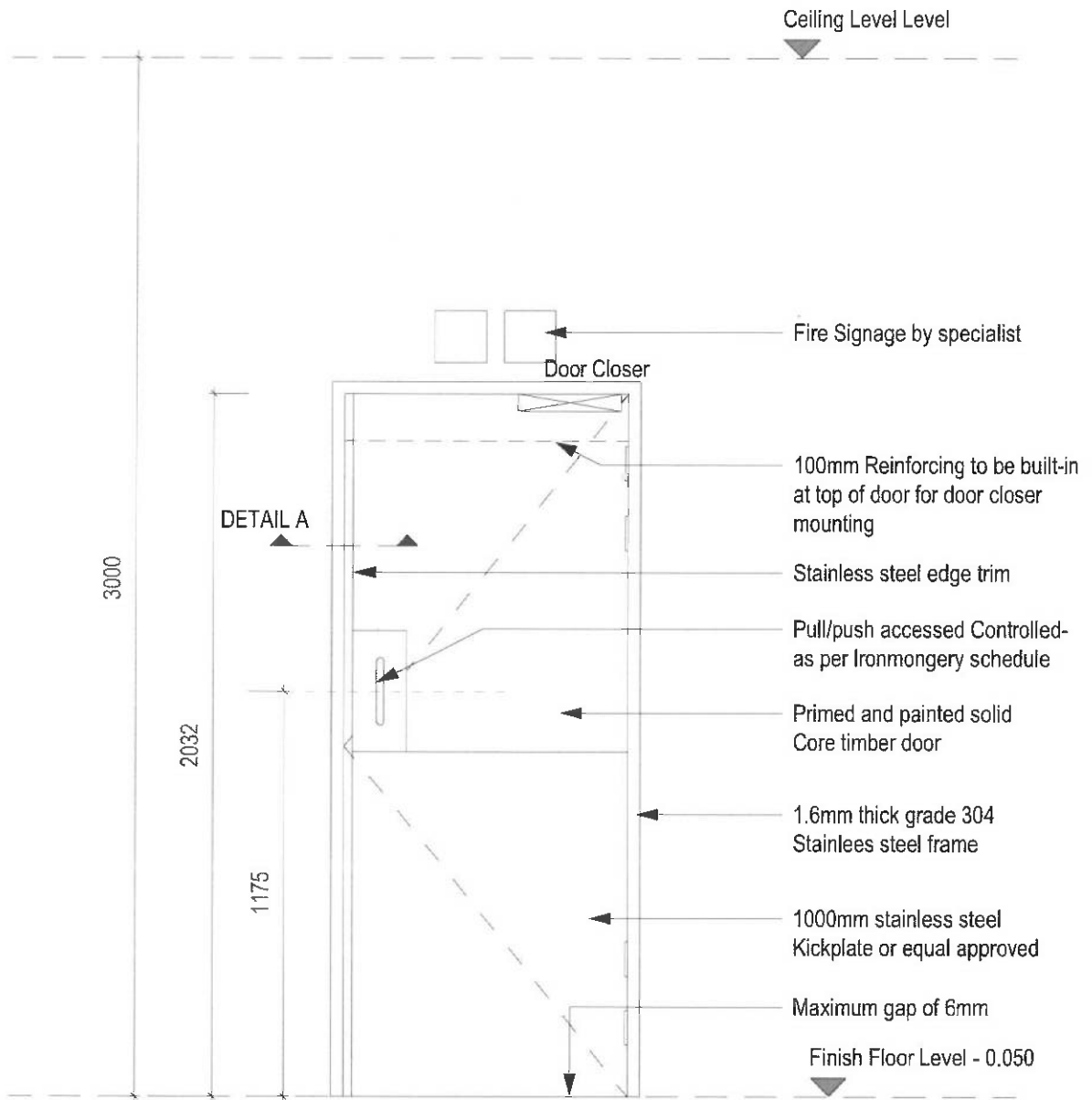
26/06/2023 11:23:06: TIME STAMP

- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
- ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- ANY DISCREPANCIES ON THIS DRAWING ARE TO BE REPORTED TO THE OFFICE OF THE ARCHITECT PRIOR TO CONSTRUCTION.
- ALL ALUMINIUM AND STEEL IS TO BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION.
- ALL QUANTITIES ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PLACING ORDERS.
- ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

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DESCRIPTION:	Fire certified and approved 813x2032x46mm Accessed Controlled CLASS B 2 hour fire rated single door with masonite veneer. Front & back edges dressed in stainless steel as per detail A by manufacturer. All exposed sides incl top & bottom to be Primed and Painted with 2 Coats of Dulux PearlGlo Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC Supplied complete with frame in accordance with SANS 1253.	
FRAME:	Fire door frame as supplied complete with door by manufacturer. Stainless steel Grade 304 with approximately 48mm rebate to suit door. Brush steel finish.	
GLAZING:		
IRONMONGERY:		
HANDLES:	1 of Geze 075/350/B Pull Handle on 350x150x1.6mm Blank S/S 6 Fix Holes	
LOCKS:		
CYLINDERS:		
SUNDRY 1:	1 x Geze 079/350/B Push Plate on 350x150x1.6mm S/S 6 fix holes with "Push" Engraved	
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5003SR TS5000 with Guide Rail	EXTRAS: 6 of Geze ND0501 Patent Fixing Screws
DOOR STOP:	1 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT:
ACCESS CONTROL:	Access Control by Specialist	
HINGES:	2 Pairs Stainless Steel Hinges per leaf supplied complete with door and frame by manufacturer	
KICKPLATE:	1000 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.	
SIGNAGE:	Signage as per detail	

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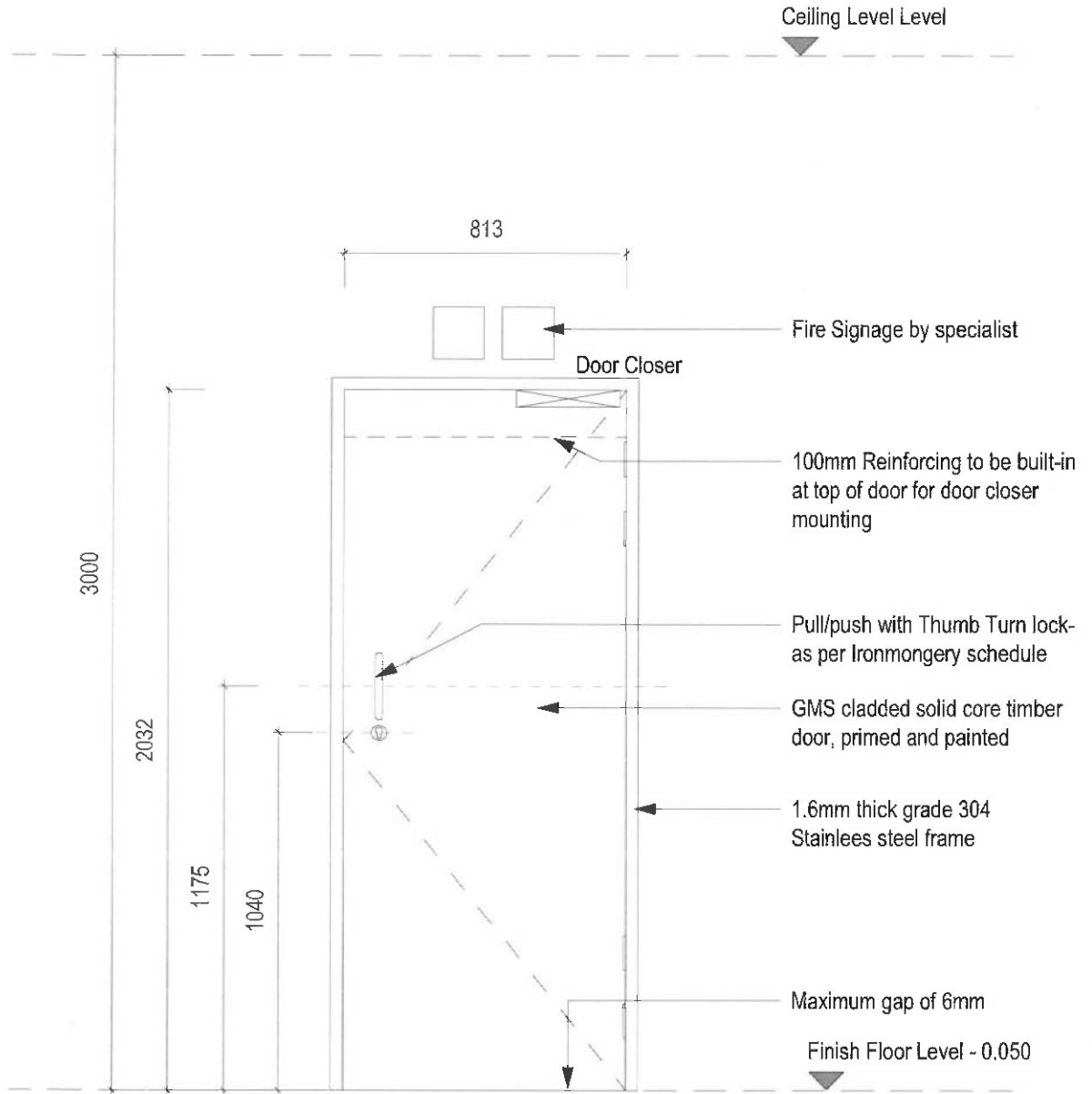
- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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- ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

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DESCRIPTION:	Fire certified and approved 813x2032x46mm CLASS B 2 hour fire rated single door with masonite veneer. Front & back edges dressed in stainless steel as per detail A by manufacturer. All exposed sides incl top & bottom to be Primed and P	
FRAME:	Fire door frame as supplied complete with door by manufacturer. Stainless steel Grade 304 with approximately 48mm rebate to suit door. Brush steel finish.	
GLAZING:		
IRONMONGERY:		
HANDLES:	1 of Geze 075/350/B Pull Handle on 350x150x1.6mm Blank S/S 6 Fix Holes	
LOCKS:	1 of Geze 194/01 Thumb Tum and Lock TT001SS	
CYLINDERS:	1 of Geze IG950933338M N/PL Double Cylinder 66mm Master Key CMK	
SUNDRY 1:	1 x Geze 079/350/B Push Plate on 350x150x1.6mm S/S 6 fix holes with "Push" Engraved	
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5003SR TS5000 with Guide Rail	EXTRAS: 2 of Geze AD4001 Mounting Plate for TS5000 Door Closer
DOOR STOP:	1 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT:
ACCESS CONTROL:		
HINGES:	1.5 pairs Stainless Steel hinges per leaf supplied complete with door and frame by manufacturer	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

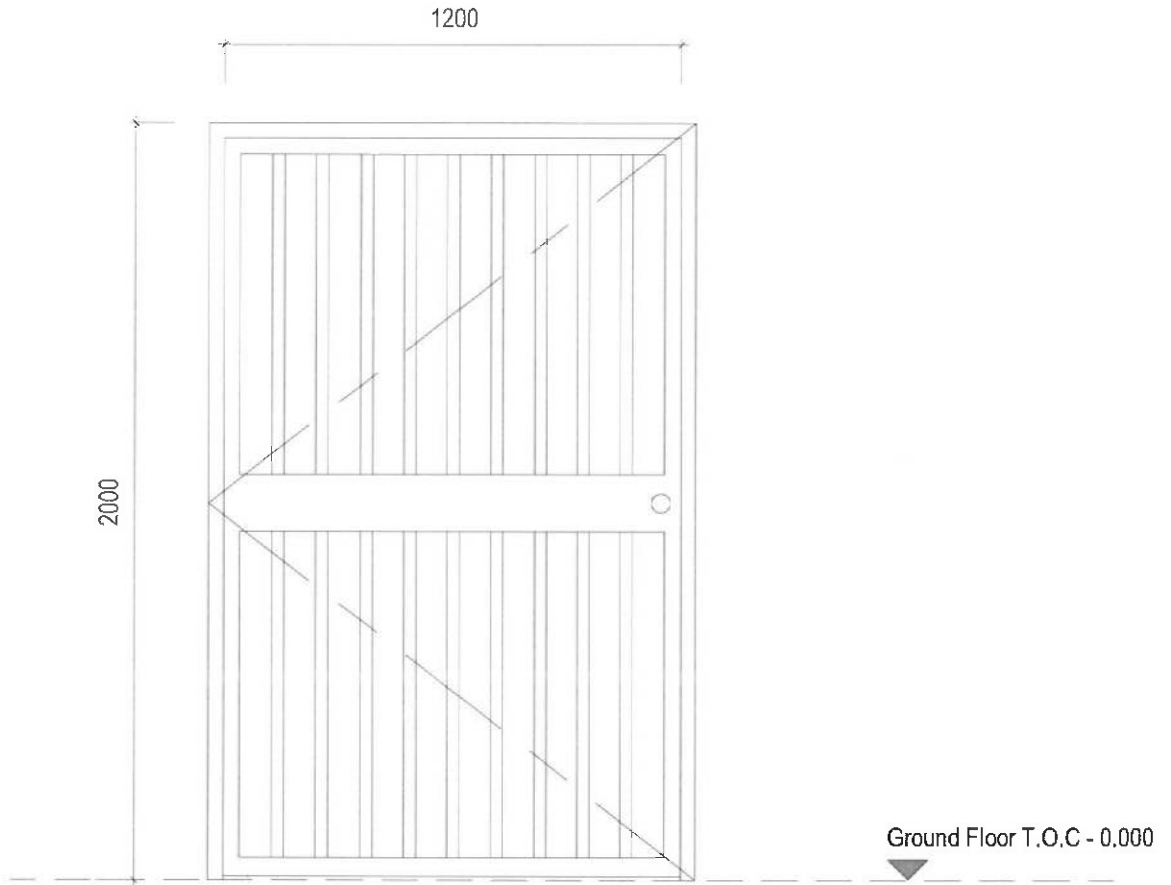
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DESCRIPTION:	
2000 x 1200 Galvanised Steel swing gate. Primed and painted as per manufacturers specifications	
FRAME:	GMS Primed and painted. To manufacturers specification
GLAZING:	N/A
IRONMONGERY:	
HANDLES:	As per manufacturers specifications
LOCKS:	As per manufacturers specifications
CYLINDERS:	
SUNDRY 1:	
SUNDRY 2:	N/A
DOOR CLOSER:	EXTRAS:
DOOR STOP:	FLUSH BOLT:
ACCESS CONTROL:	
HINGES:	
KICKPLATE:	
SIGNAGE:	

26/06/2023 11:23:12: TIME STAMP

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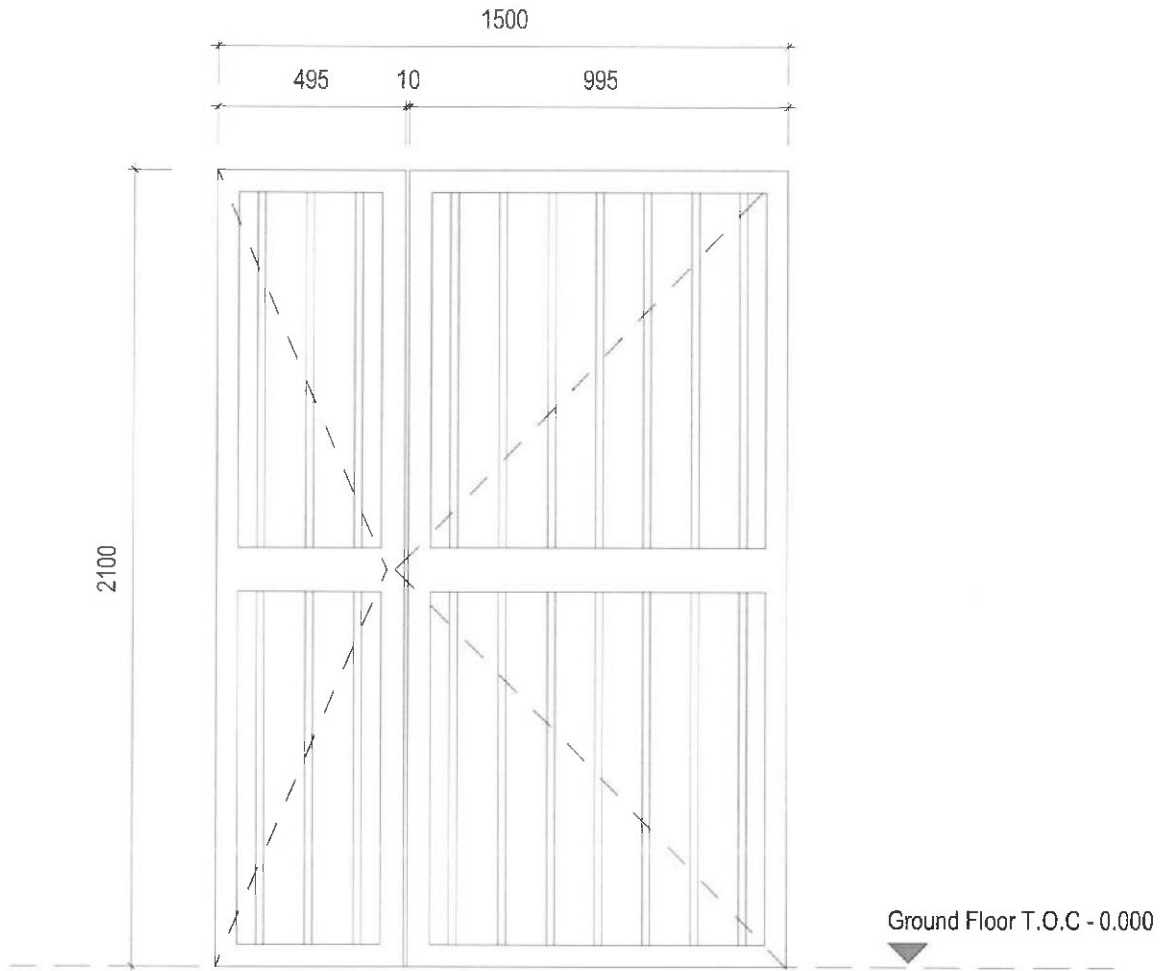
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DOOR SCHEDULE

Door Type : G3



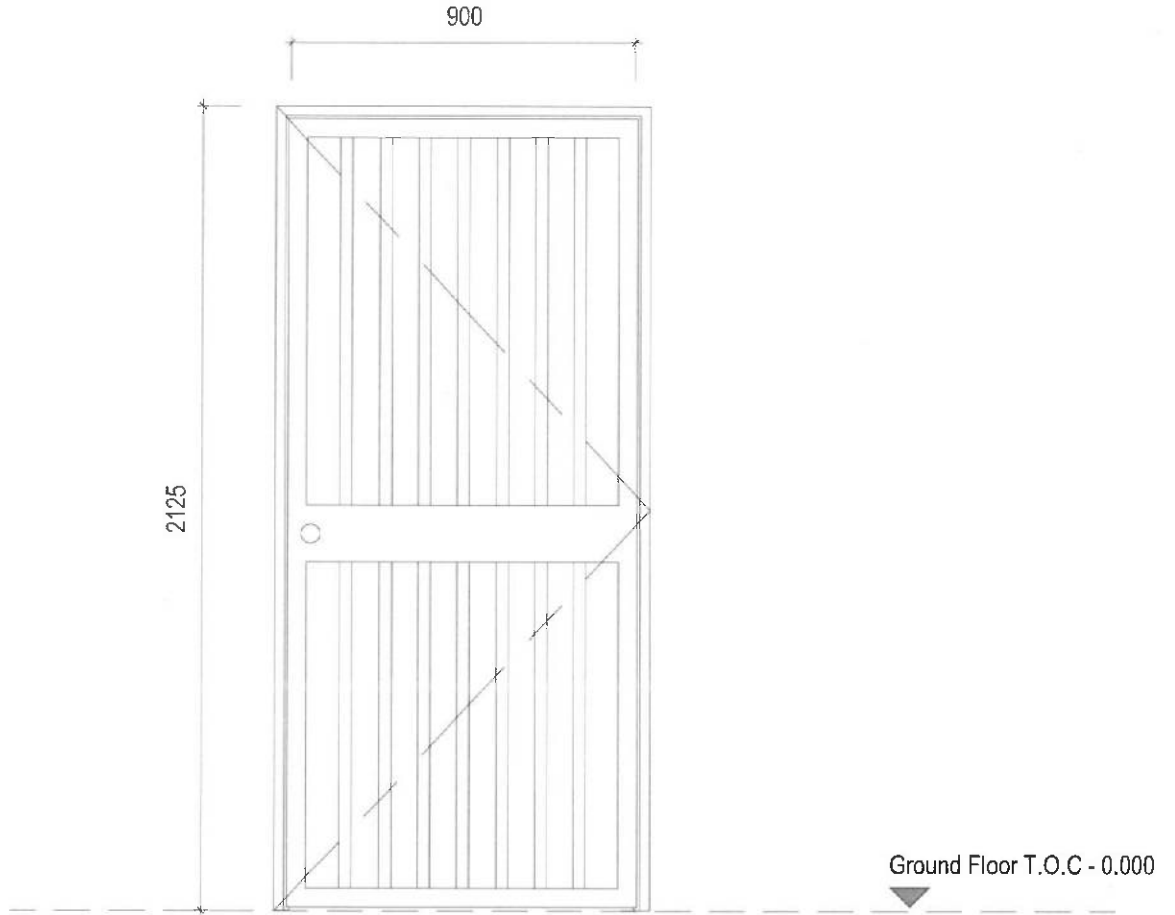
DESCRIPTION:	2130 x 1500 1.5 Leaf Galvanised Steel security gate. Primed and painted as per manufacturers specifications	
FRAME:	GMS Primed and painted. To manufacturers specification	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	As per manufacturers specifications	
LOCKS:	As per manufacturers specifications	
CYLINDERS:		
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:	As per manufacturers specifications	EXTRAS:
DOOR STOP:		FLUSH BOLT:
ACCESS CONTROL:		
HINGES:		
KICKPLATE:		
SIGNAGE:		

26/06/2023 11:23:14: TIME STAMP

- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

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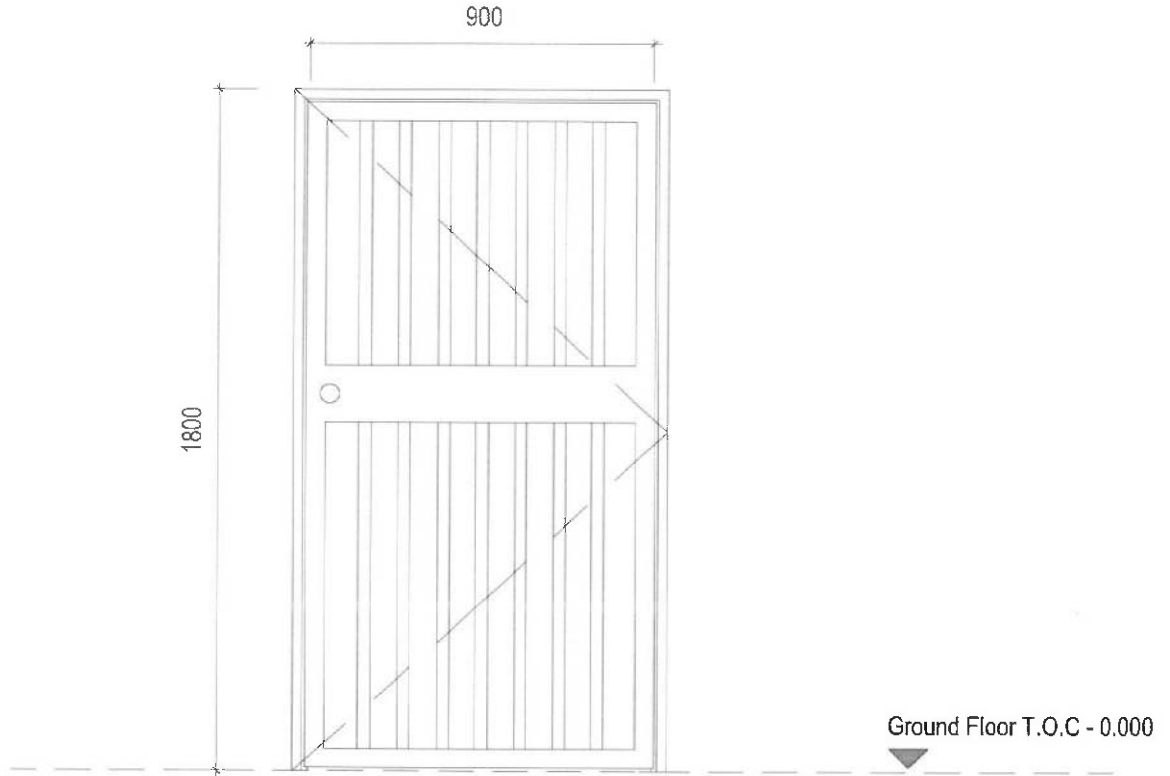
DESCRIPTION:	2130 x 900 Galvanised Steel swing gate. Primed and painted as per manufacturers specifications	
FRAME:	GMS Primed and painted. To manufacturers specification	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	As per manufacturers specifications	
LOCKS:	As per manufacturers specifications	
CYLINDERS:	As per manufacturers specifications	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:		EXTRAS:
DOOR STOP:		FLUSH BOLT:
ACCESS CONTROL:		
HINGES:		
KICKPLATE:		
SIGNAGE:		

26/06/2023 11:23:16: TIME STAMP

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DESCRIPTION:	1800 x 900 Galvanised Steel swing gate. Primed and painted as per manufacturers specifications	
FRAME:	GMS Primed and painted. To manufacturers specification	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	As per manufacturers specifications	
LOCKS:	As per manufacturers specifications	
CYLINDERS:		
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:		EXTRAS:
DOOR STOP:		FLUSH BOLT:
ACCESS CONTROL:		
HINGES:		
KICKPLATE:		
SIGNAGE:		

26/06/2023 11:23:19: TIME STAMP

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DOOR SCHEDULE

Ground Floor T.O.C - 0.000



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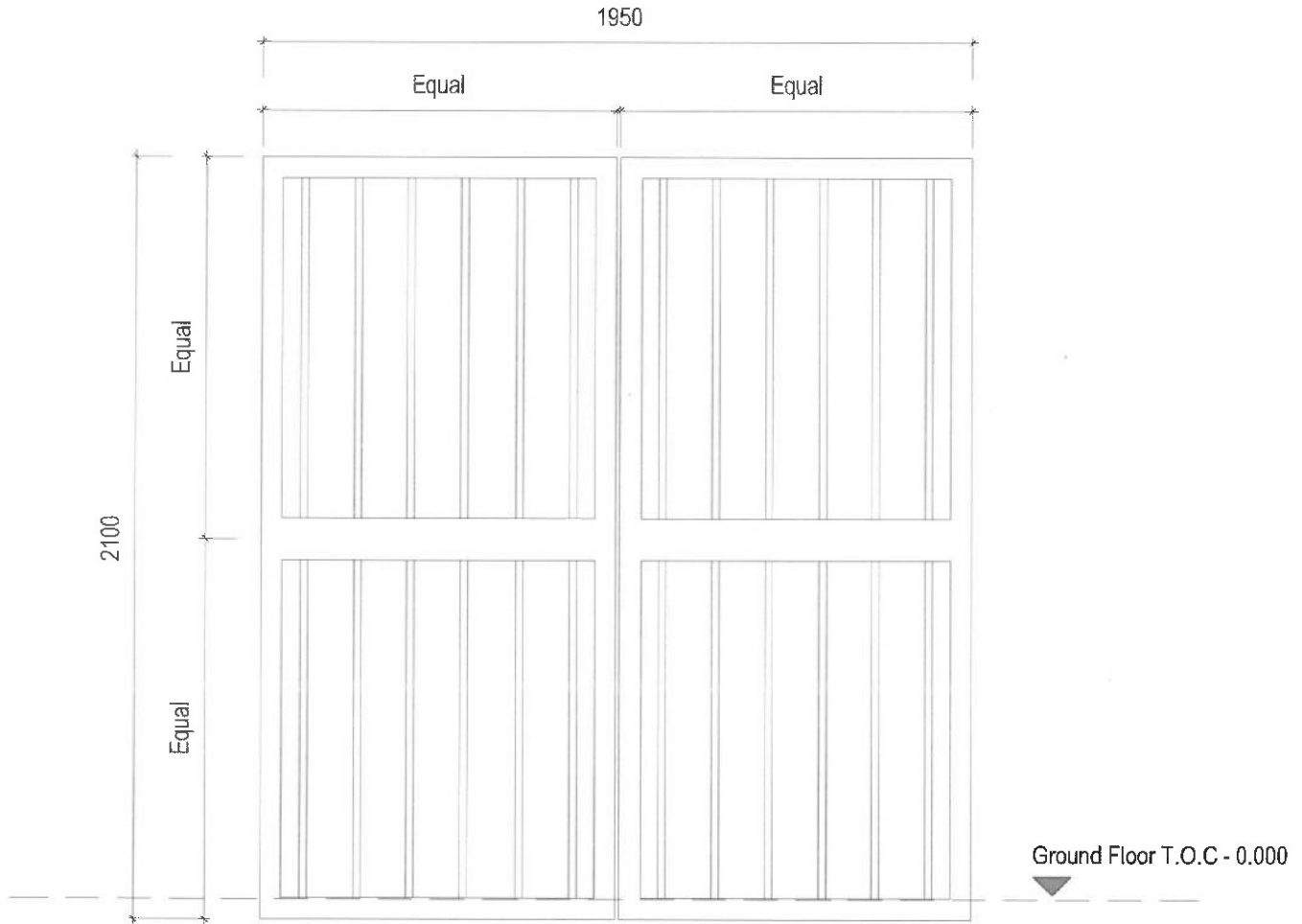
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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

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DOOR SCHEDULE

Door Type : G7



DESCRIPTION:	
1950 x 2100 Galvanised Steel Double swing gate. Primed and painted as per manufacturers specifications	
FRAME:	GMS Primed and painted. To manufacturers specification
GLAZING:	N/A
IRONMONGERY:	
HANDLES:	As per manufacturers specifications
LOCKS:	As per manufacturers specifications
CYLINDERS:	
SUNDRY 1:	
SUNDRY 2:	
DOOR CLOSER:	EXTRAS:
DOOR STOP:	FLUSH BOLT:
ACCESS CONTROL:	
HINGES:	
KICKPLATE:	
SIGNAGE:	

26/06/2023 11:23:23: TIME STAMP

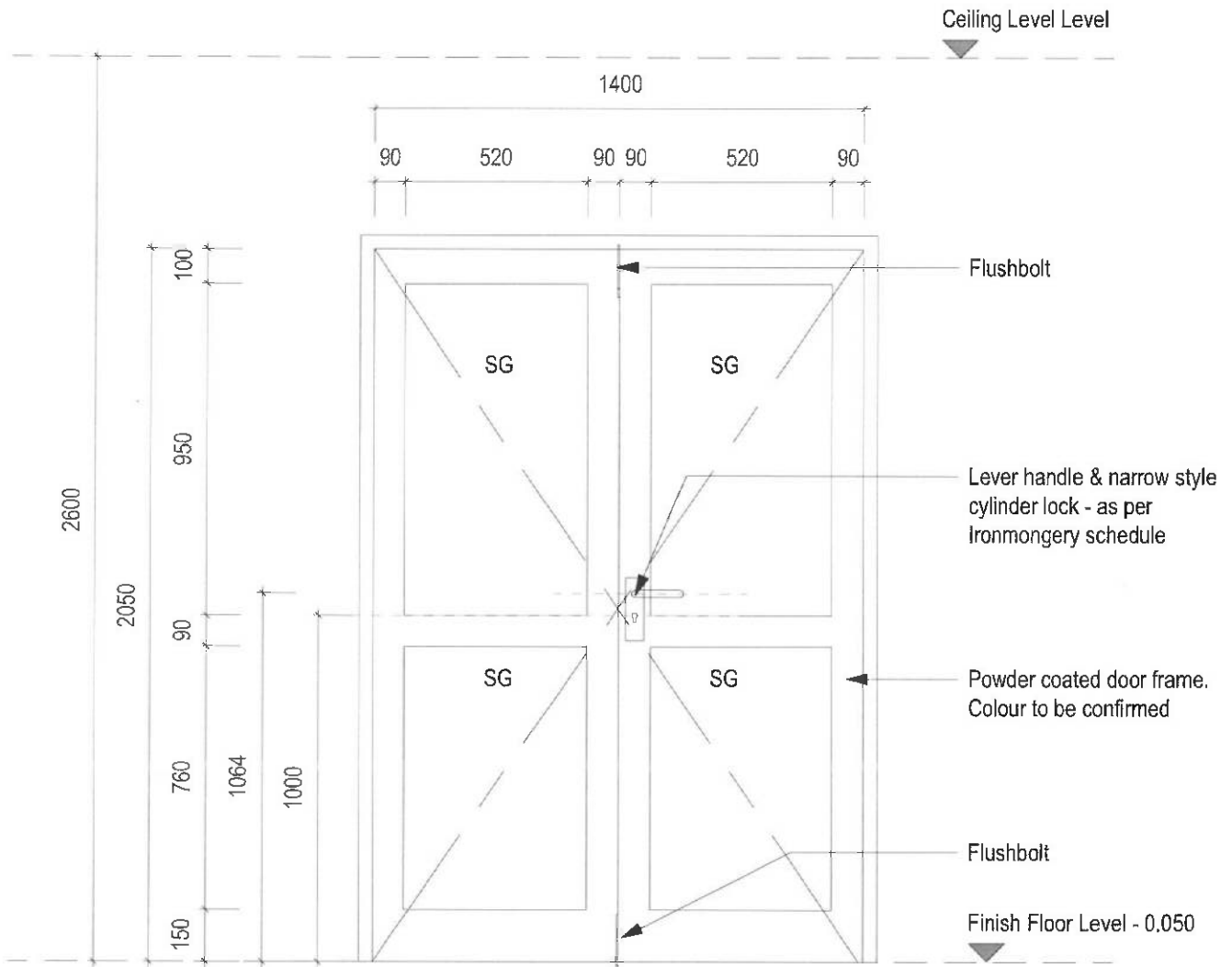
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DOOR SCHEDULE

Door Type : SFD02



DESCRIPTION:	1400 x 2050 Powder Coated Double Aluminium Swing Door with Glazing Panels and Aluminium Signage Plate. Alum Sizes and Door Configuration as per Detail Drawing on this page.	
FRAME:	Powder Coated Aluminium Door Frame to suit Door and Wall. Powder Coating Colour : To match Door	
GLAZING:	AAAMSA & SAGGA approved safety glazing to suit aluminium door as shown	
IRONMONGERY:		
HANDLES:	1 x Geze DB171BNC01 Tokyo Lever on Narrowstyle Backplate Cyl S/A	
LOCKS:	1 of Geze 625/35 Euro Cyl Sashlock with Drawback Latch N/S S/S 35mm BS	
CYLINDERS:		
SUNDRY 1:	1 of Geze GZZW4405 S/S Narrowstyle Escutcheon	
SUNDRY 2:		
DOOR CLOSER:		EXTRAS:
DOOR STOP:		FLUSH BOLT: 2 of Flushbolts by Manufacturer
ACCESS CONTROL:		
HINGES:	4 pairs Sinkless Hinges per leaf supplied by manufacturer	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

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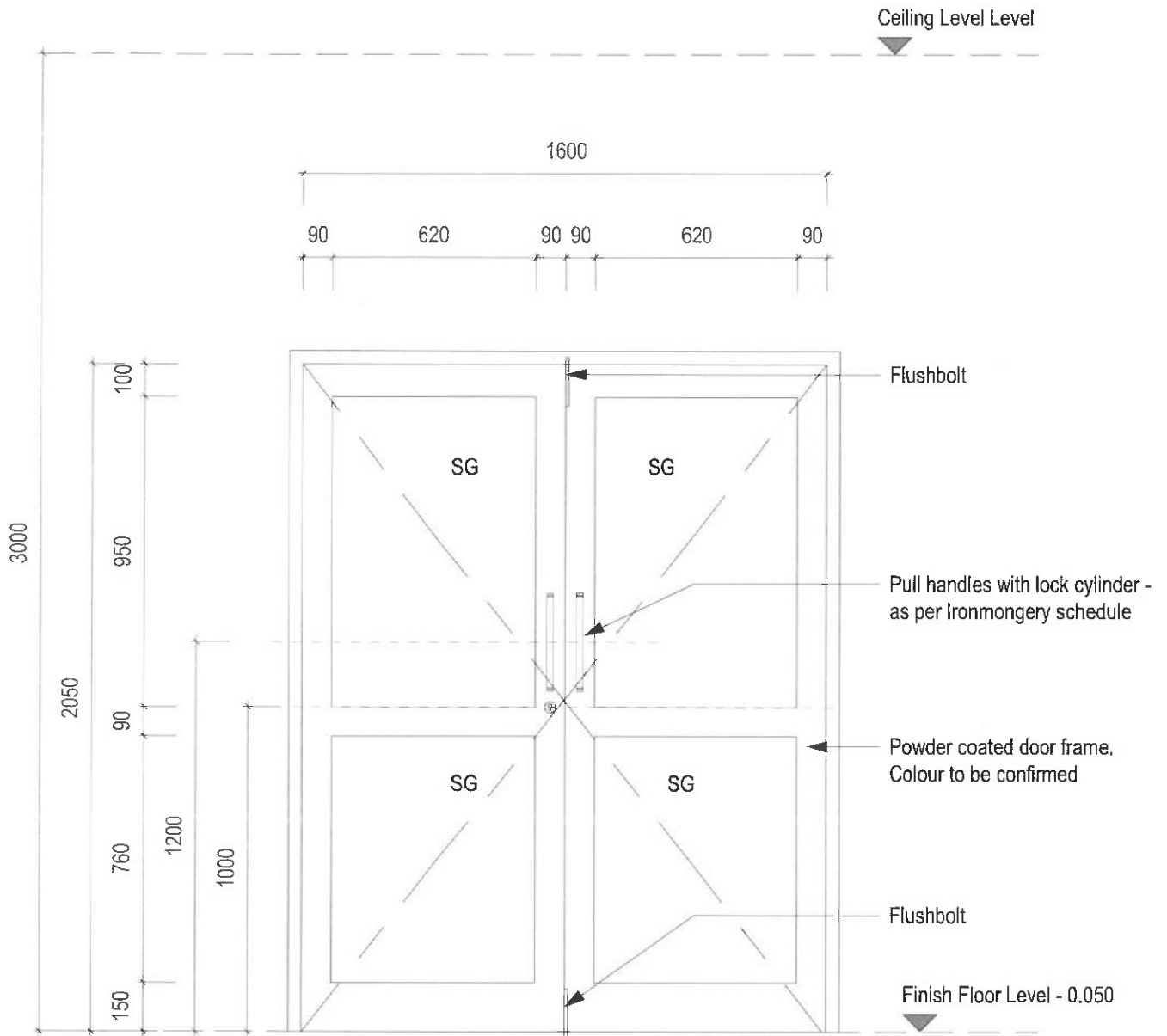
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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

DOOR SCHEDULE

Door Type : SFD04



DESCRIPTION:	1600 x 2050 Powder Coated Double Aluminium Swing Door with Glazing Panels and Aluminium Signage Plate. Alum Sizes and Door Configuration as per Detail Drawing on this page.	
FRAME:	Powder Coated Aluminium Door Frame to suit Door and Wall. Powder Coating Colour : To match Door	
GLAZING:	AAAMSA & SAGGA approved safety glazing to suit aluminium door as shown	
IRONMONGERY:		
HANDLES:	2 of Geze JDC215/350 BTB S/S Pull Handle 375x350x25mm	
LOCKS:	1 of Geze 642/35 Euro Cyl Deadlock N/S S/S 35mm BS	
CYLINDERS:	1 of Geze IG950933338M N/PL. Double Cylinder 66mm Master Key CMK	
SUNDRY 1:	1 of Geze GZZW4405 S/S Narrowstyle Escutcheon	
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5034SR TS5000 Door Closer C/W ISM Guide Rail	EXTRAS: 2 of Geze AD4001 Mounting Plate for TS5000 Door Closer
DOOR STOP:	2 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT: 2 of Flushbolts by Manufacturer
ACCESS CONTROL:		
HINGES:	4 pairs Sinkless Hinges per leaf supplied by manufacturer	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

26/06/2023 11:23:27: TIME STAMP

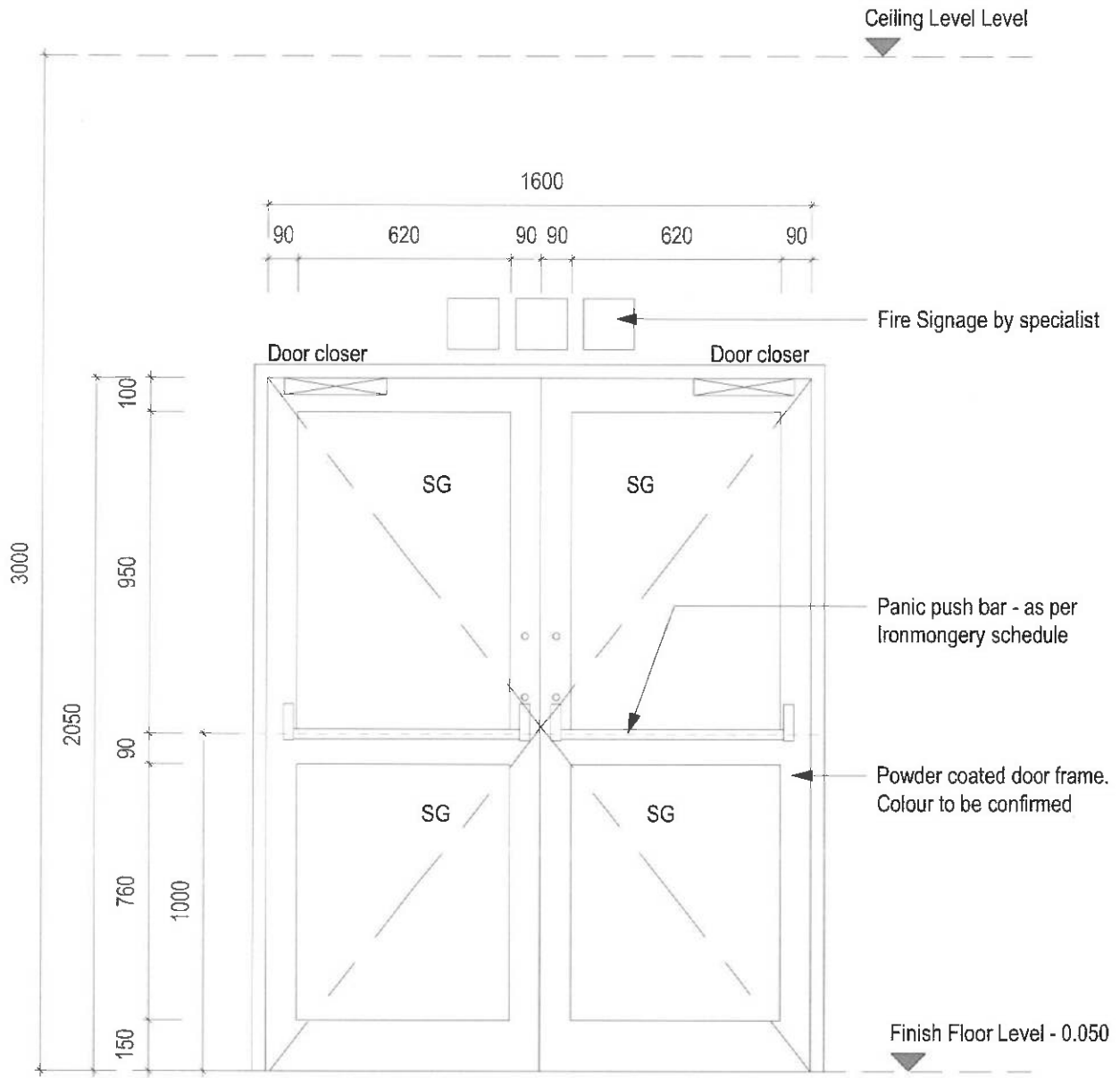
- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

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ruben reddy architects
 Durban | Johannesburg | Cape Town | Blumfontein | P. J. Pretoria
 info@rubenreddyarchitects.co.za | www.rubenreddyarchitects.co.za

DOOR SCHEDULE

Door Type : SFD05



DESCRIPTION:	1600 x 2050 Powder Coated Double Aluminium Swing Door with Glazing Panels and Aluminium Signage Plate. Alum Sizes and Door Configuration as per Detail Drawing on this page.	
FRAME:	Powder Coated Aluminium Door Frame to suit Door and Wall. Powder Coating Colour : To match Door	
GLAZING:	AAAMSA & SAGGA approved safety glazing to suit aluminium door as shown	
IRONMONGERY:		
HANDLES:	1 of GEZE HZ595 Slimline Double Panic Hardware	
LOCKS:	1 of HA3020 Outside Access Device	
CYLINDERS:	1 of GEZE HB302C Outside Access Device Single Cylinder	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:	1 of GEZE AZ5041SR Opp Hinge ISM Door Closer complete with bracket and MC1001002 Selector Bracket	EXTRAS: 2 of Geze AD4001 Mounting Plate for TS5000 Door Closer
DOOR STOP:		FLUSH BOLT:
ACCESS CONTROL:		
HINGES:	2 pairs Sinkless Hinges per leaf supplied by manufacturer	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

26/06/2023 11:23:30: TIME STAMP

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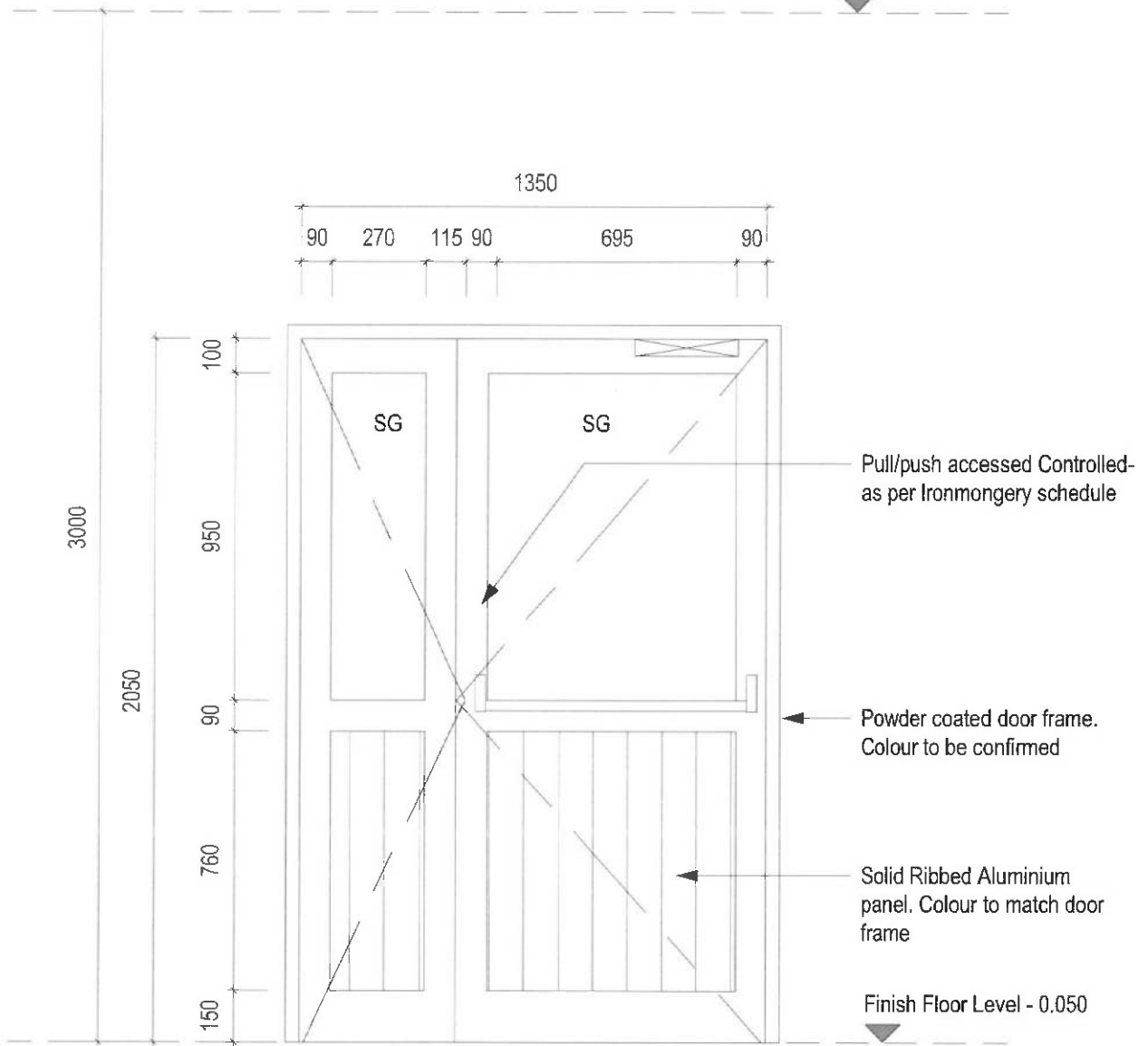
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DOOR SCHEDULE

Door Type : SFD06

Ceiling Level Level



DESCRIPTION:	1400x2050mm Powder Coated 1.5 Leaf Aluminium Door with Glazing Panels and Aluminium Signage Plate. Alum Sizes and Door Configuration as per Detail Drawing on this page.	
FRAME:	Powder Coated Aluminium Door Frame to suit Door and Wall. Powder Coating Colour : To match Door	
GLAZING:	AAAMSA & SAGGA approved safety glazing to suit aluminium door as shown	
IRONMONGERY:		
HANDLES:	2 of Geze JDC215/350 BTB S/S Pull Handle 375x350x25mm	
LOCKS:	1 of Geze 642/35 Euro Cyl Deadlock N/S S/S 35mm BS	
CYLINDERS:	1 of Geze IG950933338M N/PL Double Cylinder 66mm Master Key CMK	
SUNDRY 1:	1 of Geze GZZW4405 S/S Narrowstyle Escutcheon	
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5034SR TS5000 Door Closer C/W ISM Guide Rail	EXTRAS: 2 of Geze AD4001 Mounting Plate for TS5000 Door Closer
DOOR STOP:	2 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT: 2 of Flushbolts by Manufacturer
ACCESS CONTROL:		
HINGES:	2 pairs Sinkless Hinges per leaf supplied by manufacturer	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

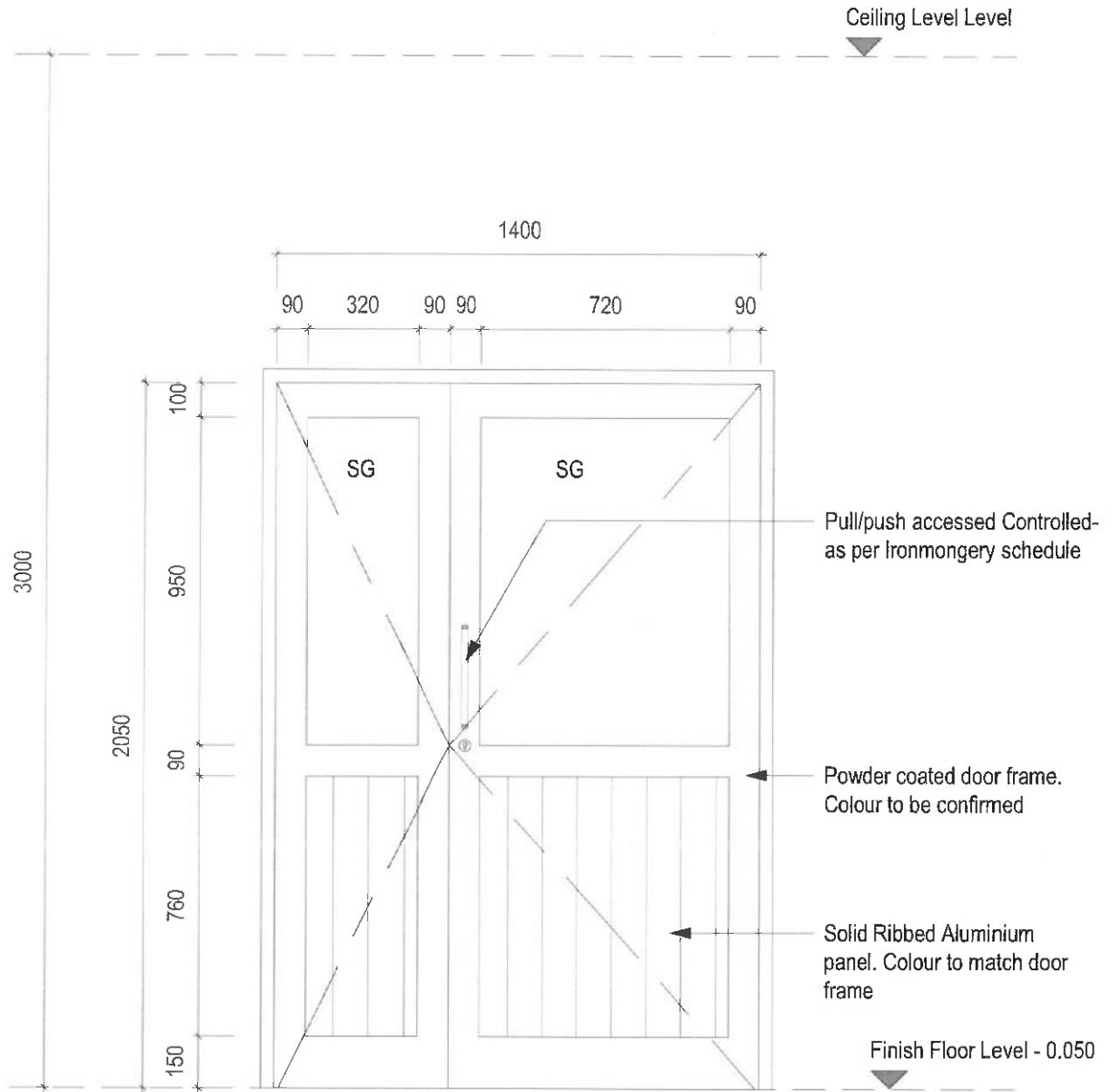
26/06/2023 11:23:32: TIME STAMP

- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
- ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- ANY DISCREPANCIES ON THIS DRAWING ARE TO BE REPORTED TO THE OFFICE OF THE ARCHITECT PRIOR TO CONSTRUCTION.
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- ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

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ruben reddy architects

Director | Subramanyam | Cape Town | Bloemfontein | Johannesburg
 info@rubenreddy-arch.co.za | www.rubenreddy-arch.co.za



DESCRIPTION:	1400x2050mm Powder Coated 1.5 Leaf Aluminium Door with Glazing Panels and Aluminium Signage Plate. Alum Sizes and Door Configuration as per Detail Drawing on this page.	
FRAME:	Powder Coated Aluminium Door Frame to suit Door and Wall. Powder Coating Colour : To match Door	
GLAZING:	AAAMSA & SAGGA approved safety glazing to suit aluminium door as shown	
IRONMONGERY:		
HANDLES:	2 of Geze JDC215/350 BTB S/S Pull Handle 375x350x25mm	
LOCKS:	1 of Geze 642/35 Euro Cyl Deadlock N/S S/S 35mm BS	
CYLINDERS:	1 of Geze IG950933338M N/PL Double Cylinder 66mm Master Key CMK	
SUNDRY 1:	1 of Geze GZZW4405 S/S Narrowstyle Escutcheon	
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5034SR TS5000 Door Closer C/W ISM Guide Rail	EXTRAS: 2 of Geze AD4001 Mounting Plate for TS5000 Door Closer
DOOR STOP:	2 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT: 2 of Flushbolts by Manufacturer
ACCESS CONTROL:		
HINGES:	4 pairs Sinkless Hinges per leaf supplied by manufacturer	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

26/06/2023 11:23:34: TIME STAMP

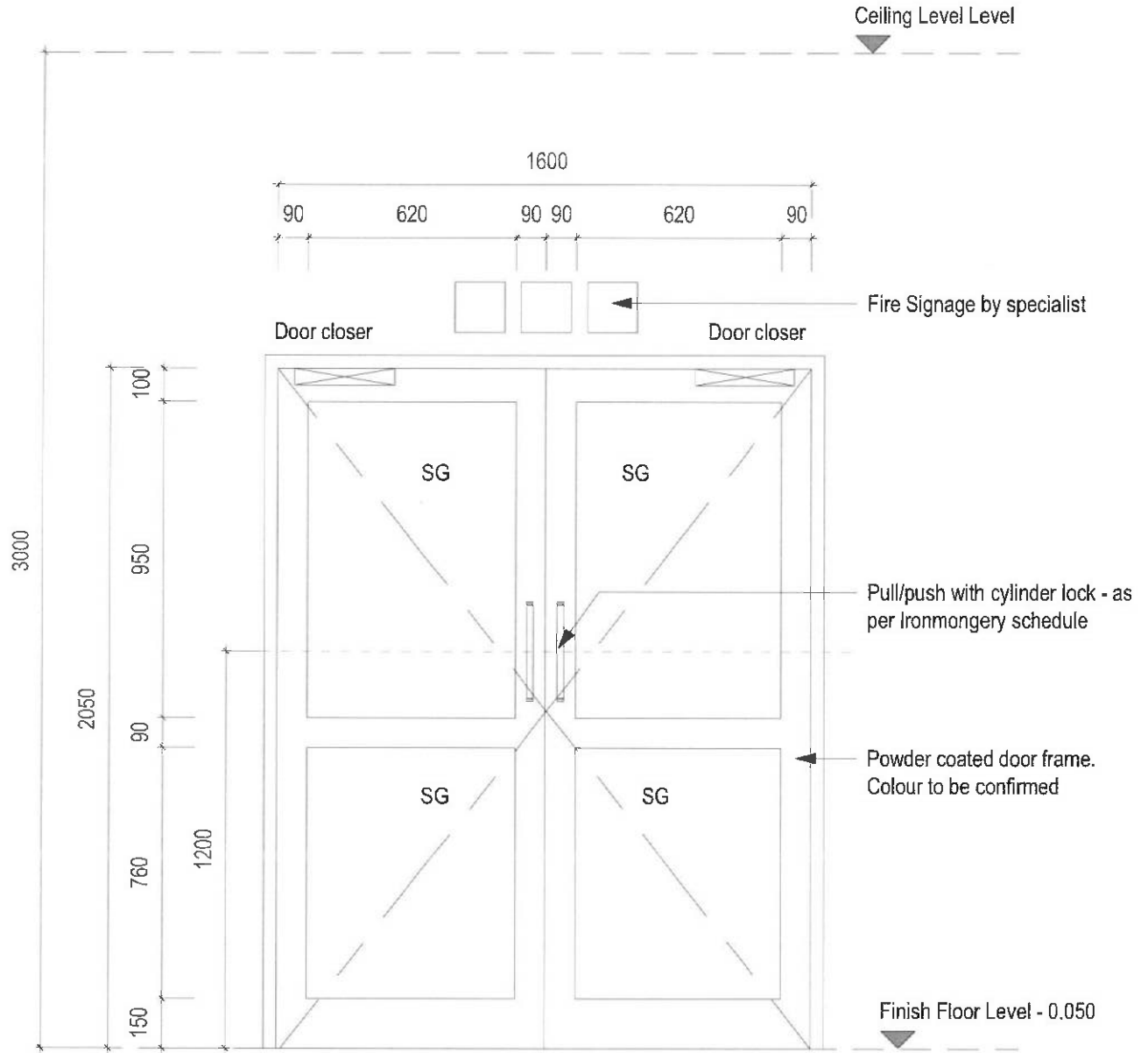
- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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- ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

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ruben reddy architects
 Durban | Johannesburg | Cape Town | Bucharest | Bukharest
 info@rubenreddyarch.co.za | www.rubenreddyarch.co.za

DOOR SCHEDULE

Door Type : SFD11



DESCRIPTION:	1600 x 2050 Powder Coated Double Aluminium Swing Door with Glazing Panels and Aluminium Signage Plate. Alum Sizes and Door Configuration as per Detail Drawing on this page.	
FRAME:	Powder Coated Aluminium Door Frame to suit Door and Wall. Powder Coating Colour : To match Door	
GLAZING:	AAAMSA & SAGGA approved safety glazing to suit aluminium door as shown	
IRONMONGERY:		
HANDLES:	4 of Geze B/B Pull Handles	
LOCKS:		
CYLINDERS:		
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5034SR TS5000 Door Closer C/W ISM Guide Rail	EXTRAS: 6 of Geze ND0501 Patent Fixing Screws
DOOR STOP:		FLUSH BOLT.
ACCESS CONTROL:		
HINGES:	2 pairs Sinkless Hinges per leaf supplied by manufacturer	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

26/06/2023 11:23:43: TIME STAMP

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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

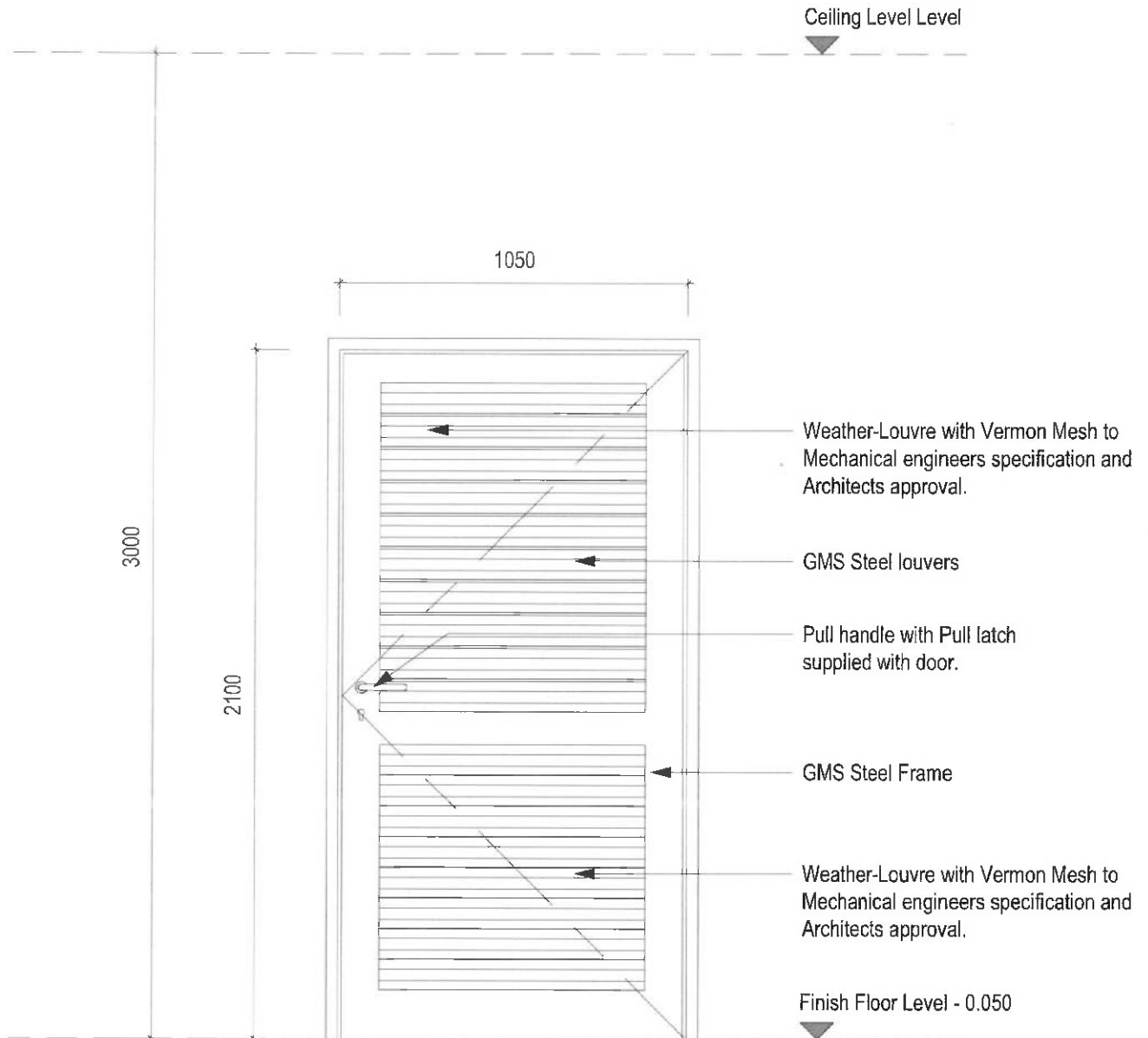
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Durban | Johannesburg | Cape Town | Bloemfontein | Pietermaritzburg
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DOOR SCHEDULE

Door Type : SD02



DESCRIPTION:	1050 x 2100 GMS Steel Single Weather Louvred Service Door by specialist manufacturer. To have Vernon Mesh on the inner side. Primed and Painted with Dulux Pearlgló Waterbased Enamel - Colour TBC. Weather Louvre to Mechanical engineers specification and Architects approval.	
FRAME:	GMS Primed and painted. To manufacturers specification	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	As per manufacturers specifications	
LOCKS:	As per manufacturers specifications	
CYLINDERS:	As per manufacturers specifications	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:	As per manufacturers specifications	EXTRAS:
DOOR STOP:		FLUSH BOLT:
ACCESS CONTROL:		
HINGES:	1.5 pairs Stainless Steel hinges per leaf supplied complete with door and frame by manufacturer	
KICKPLATE:		
SIGNAGE:		

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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

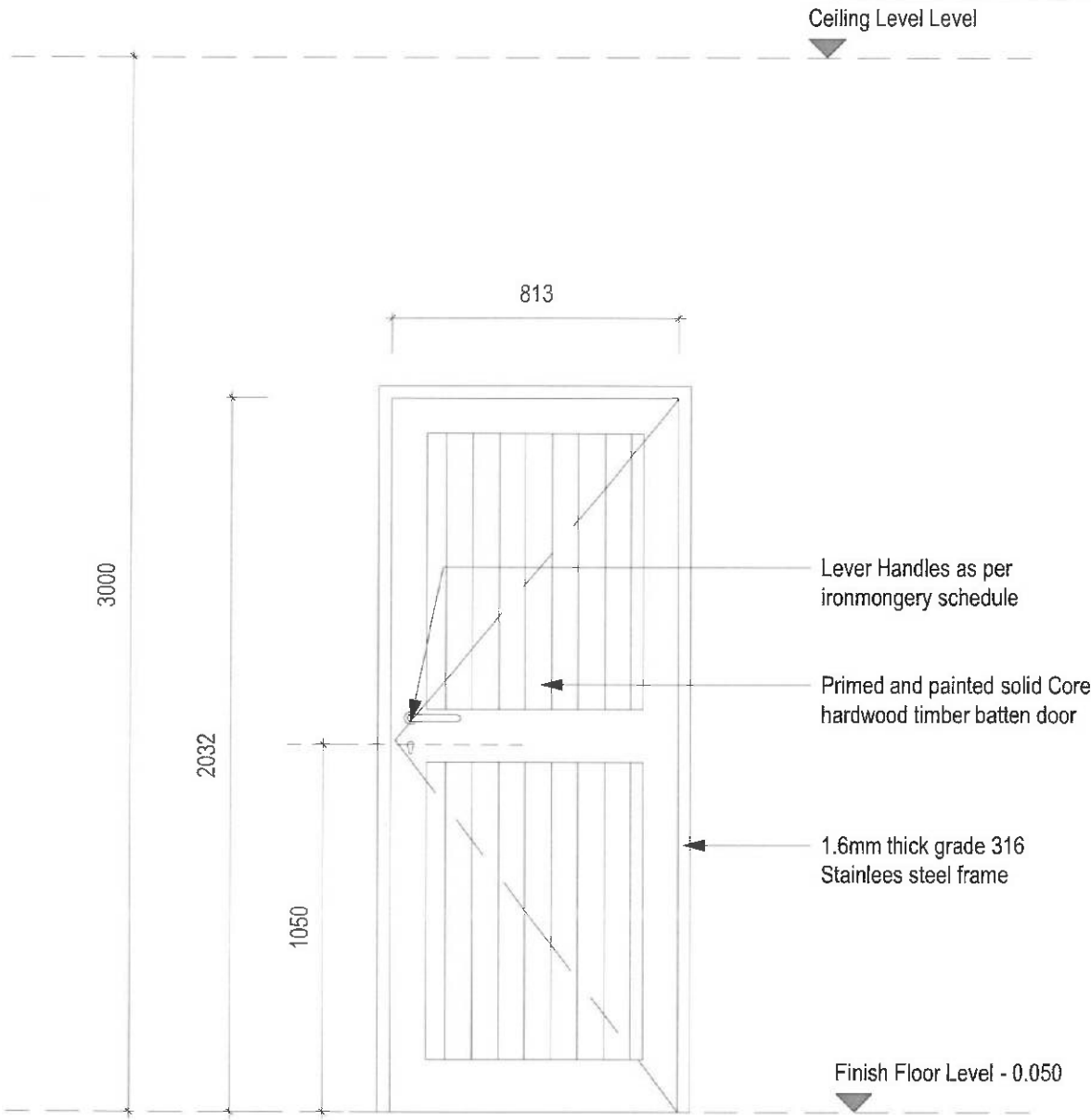
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ruben reddy architects

Office | 20 Parkside | Cape Town | Bloemfontein | Polokwane
info@rubenreddy.co.za | www.rubenreddy.co.za

DOOR SCHEDULE

Door Type : **WD04**



DESCRIPTION:	
813x2032x40mm Solid Hardwood Timber Batten Door - weatherproofed, primed and painted on all sides & edges with 2 Coats of Dulux Pearlglo Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accomodate door. To suit door and wall. Brushed steel finish.
GLAZING:	N/A
IRONMONGERY:	
HANDLES:	1 of Geze EDE101C69 Daytona Lever 160x160x1.6mm Cyl C/O S/S B/PL
LOCKS:	1 of Geze 730/68 Euro Profile Cyl Sashlock S/S 76mm
CYLINDERS:	1 of Geze IG950933338M N/PL Double Cylinder 66mm Master Key CMK
SUNDRY 1:	
SUNDRY 2:	
DOOR CLOSER:	EXTRAS:
DOOR STOP: 1 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT:
ACCESS CONTROL:	
HINGES:	1.5pairs per leaf Stainless Steel 100x75x2.7mm 4 Ball Bearing Butt Hinges
KICKPLATE:	
SIGNAGE:	Signage as per detail

26/06/2023 11:23:47: TIME STAMP

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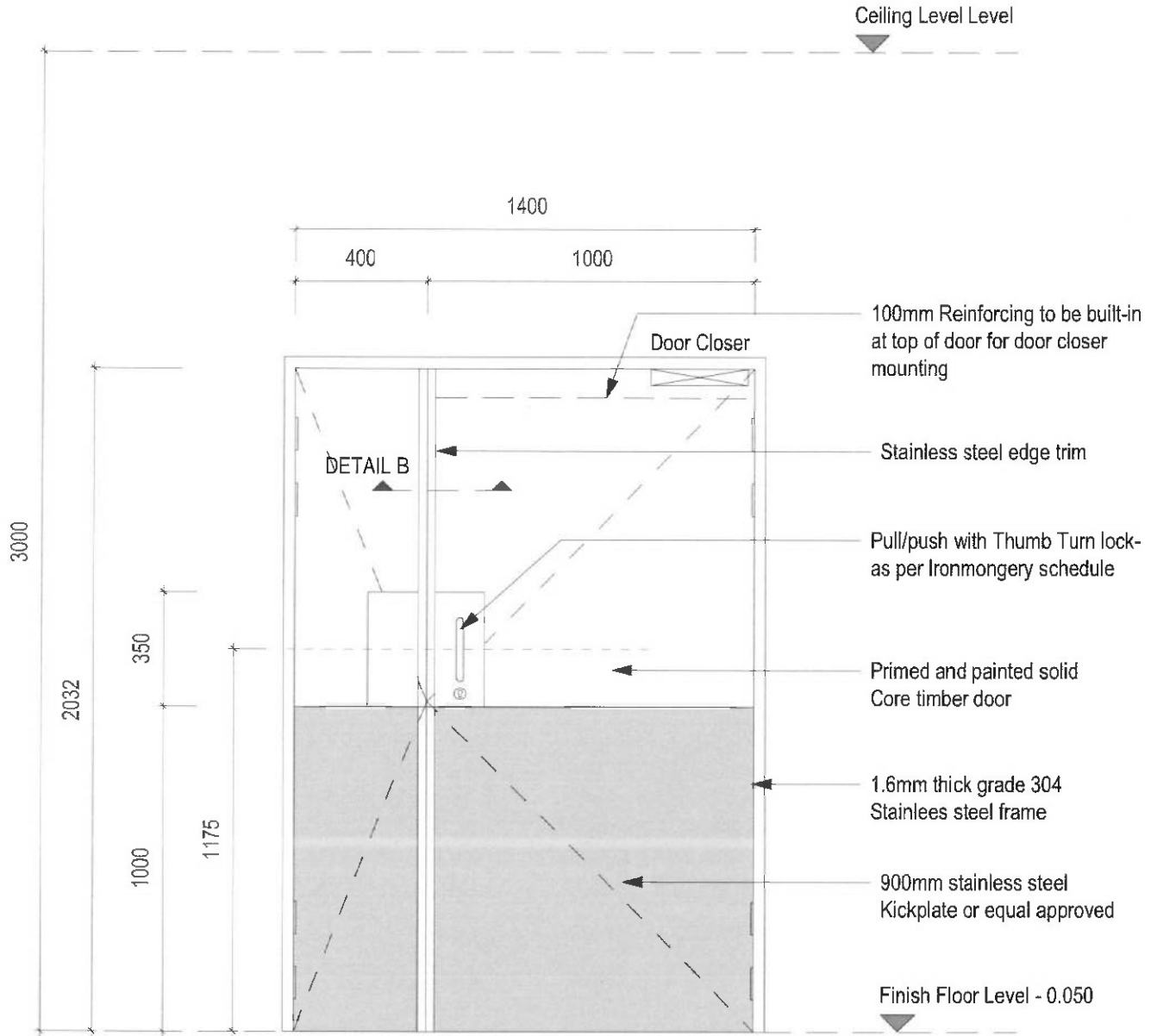
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DOOR SCHEDULE

Door Type : WD05



DESCRIPTION:	1400x2032x40mm Solid Core Timber Uneven Double doors with single overlapping stainless steel trim as per Detail B. Vertical edges dressed in stainless steel as per detail A. All exposed sides incl top & bottom to be Primed and Painted on all exposed sides with 2 Coats of Dulux Pearlgio Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accommodate door. To suit door and wall. Brushed steel finish.	
GLAZING:		
IRONMONGERY:		
HANDLES:	2 of Geze 075/350/B Pull Handle on 350x150x1.6mm Blank S/S 6 Fix Holes	
LOCKS:	1 of Geze 742/68 Euro Profile Cyl Deadlock S/S 76mm	
CYLINDERS:	1 of Geze IG950933338M N/PL Double Cylinder 66mm Master Key CMK	
SUNDRY 1:	2 x Geze 079/350/B Push Plate on 350x150x1.6mm S/S 6 fix holes with "Push" Engraved	
SUNDRY 2:	1 of Geze 131/69 Rebate Conversion Set for 700 Series Lock	
DOOR CLOSER:	1 of Geze AZ5003SR TS5000 with Guide Rail	EXTRAS: 3 of Geze ND0501 Patent Fixing Screws
DOOR STOP:		FLUSH BOLT: 2 of Geze 120/150 Flushbolt 150mm ST/C
ACCESS CONTROL:		
HINGES:	1.5pairs per leaf Stainless Steel 100x75x2.7mm 4 Ball Bearing Butt Hinges	
KICKPLATE:	1000 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.	
SIGNAGE:	Signage as per detail	

26/06/2023 11:23:49: TIME STAMP

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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

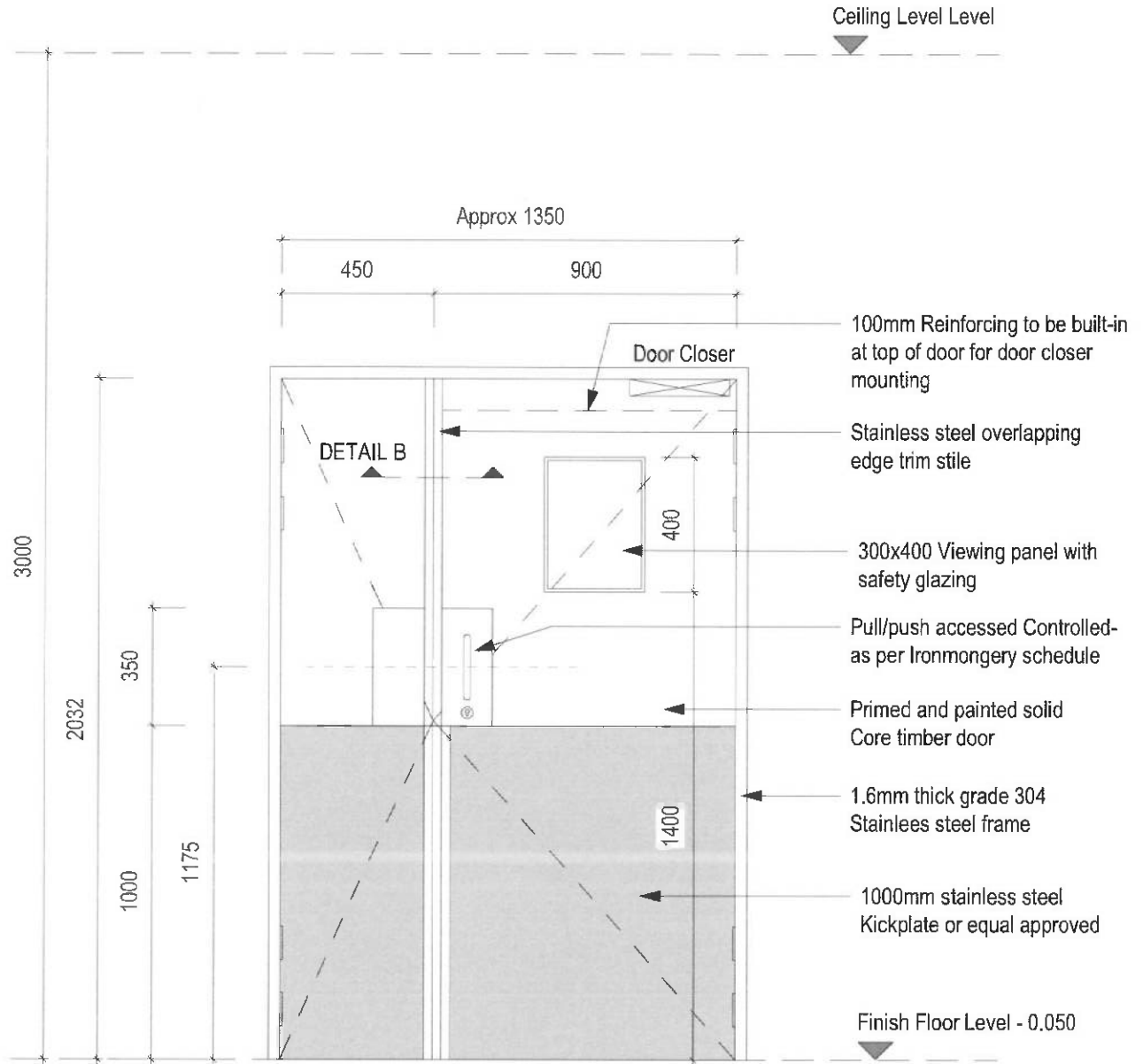
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DOOR SCHEDULE

Door Type : WD06



DESCRIPTION:	1350x2032x40mm Solid Core Timber Uneven Double doors with viewing pane & single overlapping stainless steel trim as per Detail B. Vertical edges dressed in stainless steel as per detail A. All exposed sides incl top & bottom to be Primed and Painted on all exposed sides with 2 Coats of Dulux PearlGlo Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accommodate door. To suit door and wall. Brushed steel finish.	
GLAZING:	AAAMSA & SAGGA approved safety glazing to suit door as shown	
IRONMONGERY:		
HANDLES:	2 of Geze 075/350/B Pull Handle on 350x150x1.6mm Blank S/S 6 Fix Holes	
LOCKS:	1 of Geze 742/68 Euro Profile Cyl Deadlock S/S 76mm	
CYLINDERS:	1 of Geze IG95093338M N/PL Double Cylinder 66mm Master Key CMK	
SUNDRY 1:	1 x Geze 079/350/B Push Plate on 350x150x1.6mm S/S 6 fix holes with "Push" Engraved	
SUNDRY 2:	1 of Geze 131/69 Rebate Conversion Set for 700 Series Lock	
DOOR CLOSER:	1 of Geze AZ5003SR TS5000 with Guide Rail	EXTRAS: 3 of Geze ND0501 Patent Fixing Screws
DOOR STOP:	2 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT: 1 of Geze 120/150 Flushbolt 150mm ST/C & 1 of Geze 120/300 Flushbolt 300mm ST/C
ACCESS CONTROL:		
HINGES:	1.5pairs per leaf Stainless Steel 100x75x2.7mm 4 Ball Bearing Butt Hinges	
KICKPLATE:	1000 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.	
SIGNAGE:	Signage as per detail	

26/06/2023 11:23:51: TIME STAMP

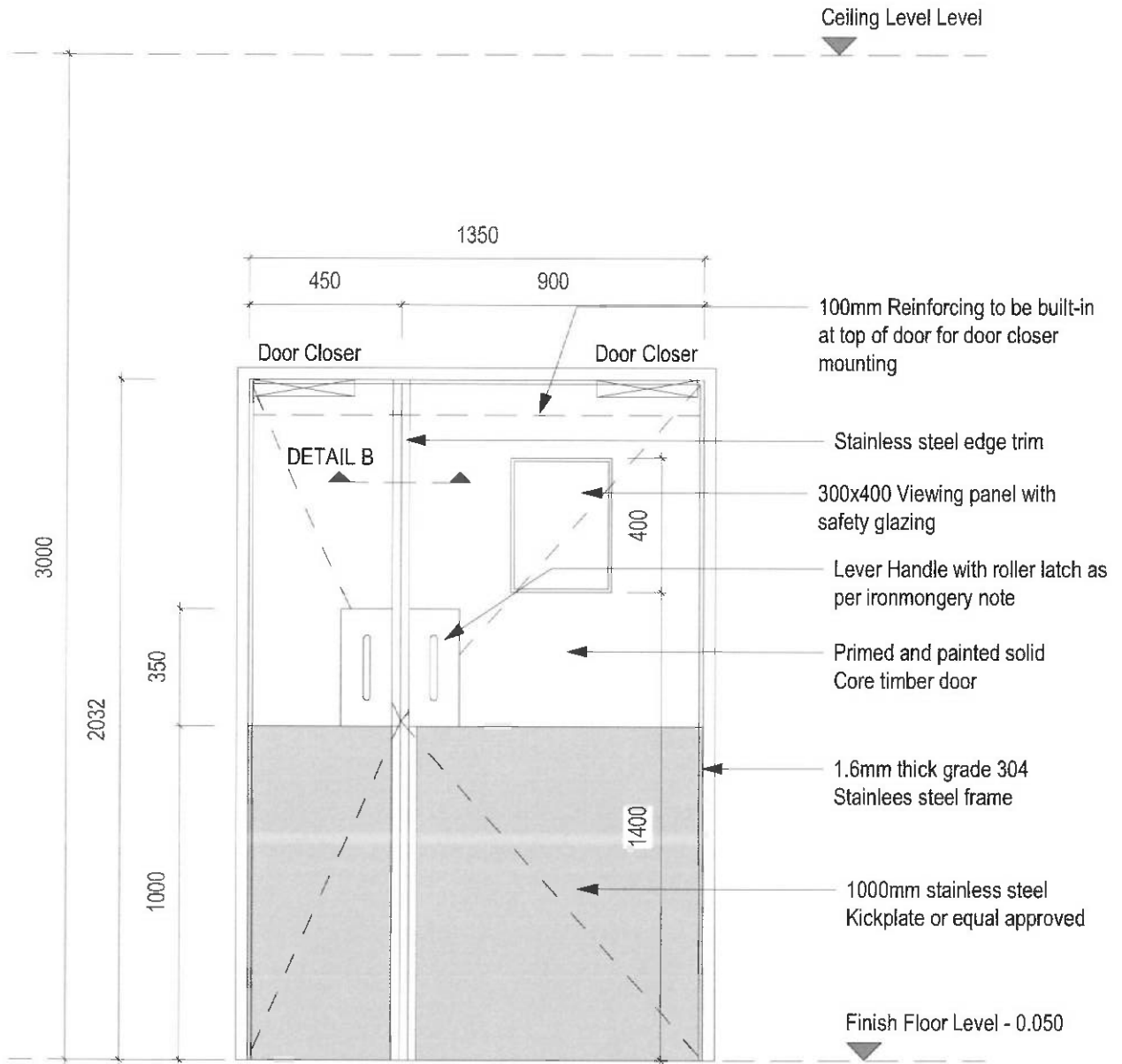
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Gurbin | Johannesberg | Cape Town | Bloubaaihoek | Funtswana
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DOOR SCHEDULE

Door Type : WD06B



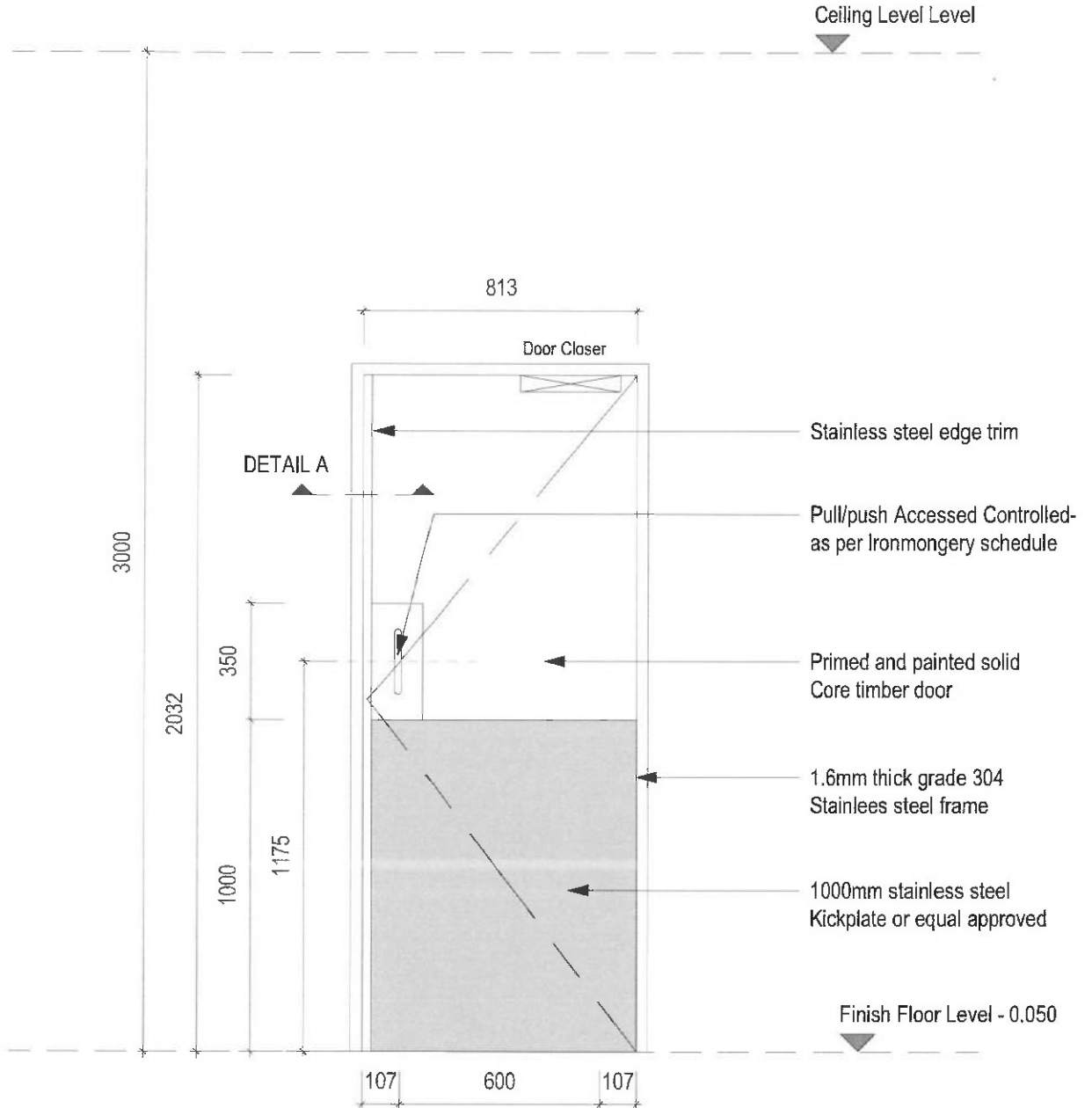
DESCRIPTION:	1350x2032x40mm Solid Core Timber Uneven Double doors with viewing pane & single overlapping stainless steel trim as per Detail B. Vertical edges dressed in stainless steel as per detail A. All exposed sides incl top & bottom to be Primed and Painted on all exposed sides with 2 Coats of Dulux Pearlglo Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accomodate door. To suit door and wall. Brushed steel finish.	
GLAZING:	AAAMSA & SAGGA approved safety glazing to suit door as shown	
IRONMONGERY:		
HANDLES:	2 of Geze 075/350/B Pull Handle on 350x150x1.6mm Blank S/S 6 Fix Holes	
LOCKS:		
CYLINDERS:		
SUNDRY 1:	1 x Geze 079/350/B Push Plate on 350x150x1.6mm S/S 6 fix holes with "Push" Engraved	
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5003SR TS5000 with Guide Rail	EXTRAS: 3 of Geze ND0501 Patent Fixing Screws
DOOR STOP:	2 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT: 1 of Geze 120/150 Flushbolt 150mm ST/C & 1 of Geze 120/300 Flushbolt 300mm ST/C
ACCESS CONTROL:		
HINGES:	1.5pairs per leaf Stainless Steel 100x75x2.7mm 4 Ball Bearing Butt Hinges	
KICKPLATE:	1000 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.	
SIGNAGE:	Signage as per detail	

26/06/2023 11:23:54: TIME STAMP

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Chennai | Ahmedabad | Coimbatore | Bangalore | Hyderabad
 info@rubenreddyarch.com | www.rubenreddyarch.com



DESCRIPTION:	813x2032x40mm Solid Core Access Control Timber door with vertical edges dressed in steel as per detail A. All exposed sides incl top & bottom to be Primed and Painted with 2 Coats of Dulux Pearlglc Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accomodate door. To suit door and wall. Brushed steel finish.	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	2 of Geze 075/350/B Pull Handle on 350x150x1.6mm Blank S/S 6 Fix Holes	
LOCKS:	1 of Geze 662/60 Euro Cyl Deadlock with Rollerbolt N/S S/S 60mm B/S	
CYLINDERS:	1 of Geze IG950933338M N/PL Double Cylinder 66mm Master Key CMK	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:		EXTRAS:
DOOR STOP:	1 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT:
ACCESS CONTROL:	Access Control by Specialist	
HINGES:	1.5pairs per leaf Stainless Steel 100x75x2.7mm 4 Ball Bearing Butt Hinges	
KICKPLATE:	1000 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.	
SIGNAGE:	Signage as per detail	

26/06/2023 11:23:56: TIME STAMP

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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

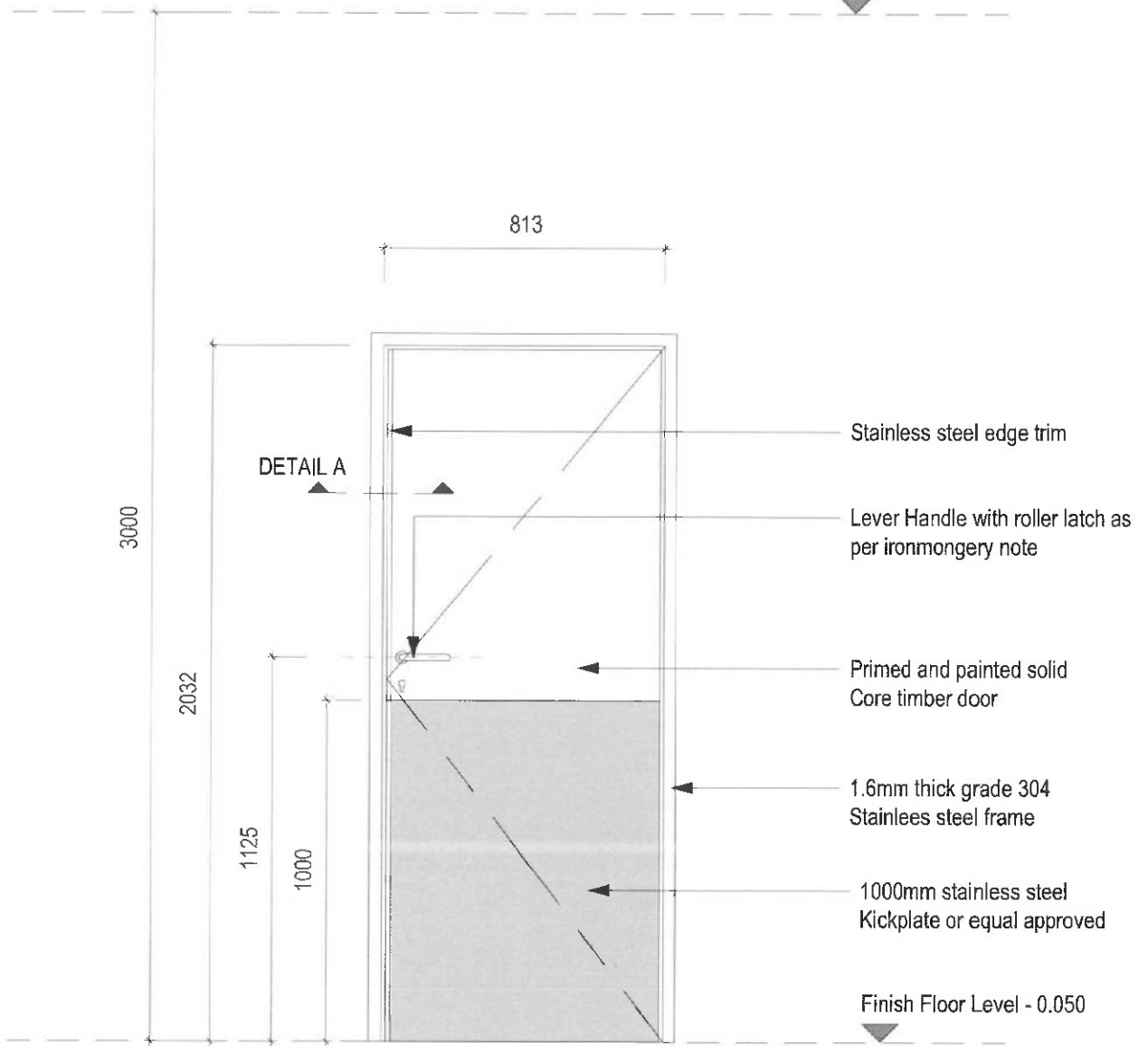
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DOOR SCHEDULE

Door Type : WD08

Ceiling Level Level



DESCRIPTION:	813x2032x40mm Solid Core Timber door with vertical edges dressed in steel as per detail A. All exposed sides incl top & bottom to be Primed and Painted with 2 Coats of Dulux Pearlgló Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accomodate door. To suit door and wall. Brushed steel finish.	
GLAZING:	N/A	
IRONMONGERY:		
HANDLES:	1 of Geze EDE101C69 Daytona Lever 160x160x1.6mm Cyl C/O S/S B/PL	
LOCKS:	1 of Geze 730/68 Euro Profile Cyl Sashlock S/S 76mm	
CYLINDERS:	1 of Geze IG950933338M N/PL Double Cylinder 66mm Master Key CMK	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:		EXTRAS:
DOOR STOP:	1 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT:
ACCESS CONTROL:		
HINGES:	1.5 pairs per leaf Stainless Steel 100x75x2.7mm rising Butt Hinges	
KICKPLATE:	1000 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.	
SIGNAGE:	Signage as per detail	

26/06/2023 11:23:58: TIME STAMP

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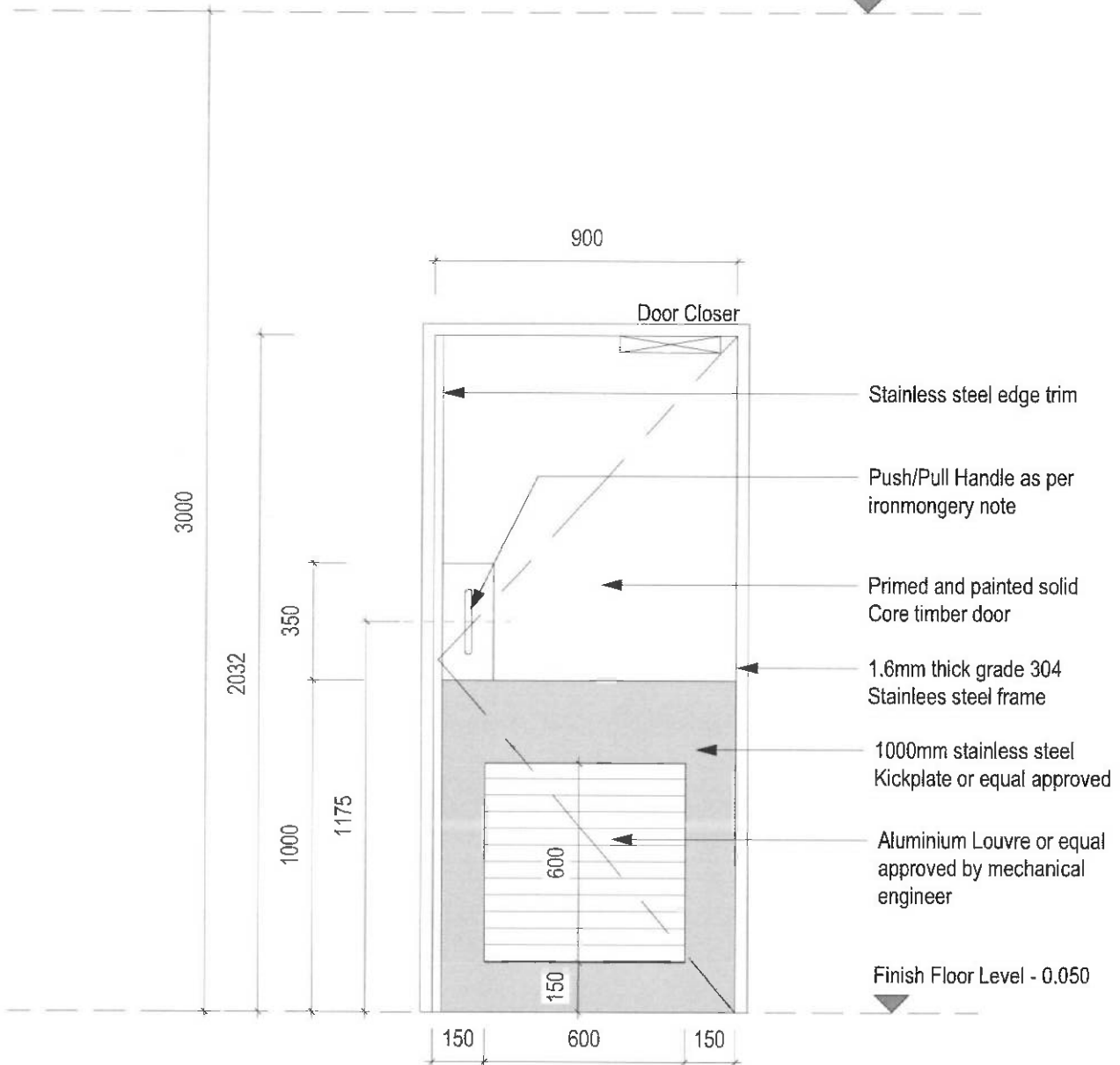
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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

DOOR SCHEDULE

Door Type : WD09

Ceiling Level Level



DESCRIPTION:	900x2032x40mm Push/Pull Solid Core Timber door with vertical edges dressed in steel as per detail A. All exposed sides incl top & bottom to be Primed and Painted with 2 Coats of Dulux Pearlgo Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accomodate door. To suit door and wall. Brushed steel finish.	
GLAZING:		
IRONMONGERY:		
HANDLES:	1 of Geze 075/350/B Pull Handle on 350x150x1.6mm Blank S/S 6 Fix Holes	
LOCKS:		
CYLINDERS:		
SUNDRY 1:	1 x Geze 079/350/B Push Plate on 350x150x1.6mm S/S 6 fix holes with "Push" Engraved	
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5003SR TS5000 with Guide Rail	EXTRAS: 3 of Geze ND0501 Patent Fixing Screws
DOOR STOP:	1 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT:
ACCESS CONTROL:		
HINGES:	1.5pairs per leaf Stainless Steel 100x75x2.7mm 4 Ball Bearing Butt Hinges	
KICKPLATE:	1000 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.	
SIGNAGE:	Signage as per detail	

26/06/2023 11:24:00: TIME STAMP

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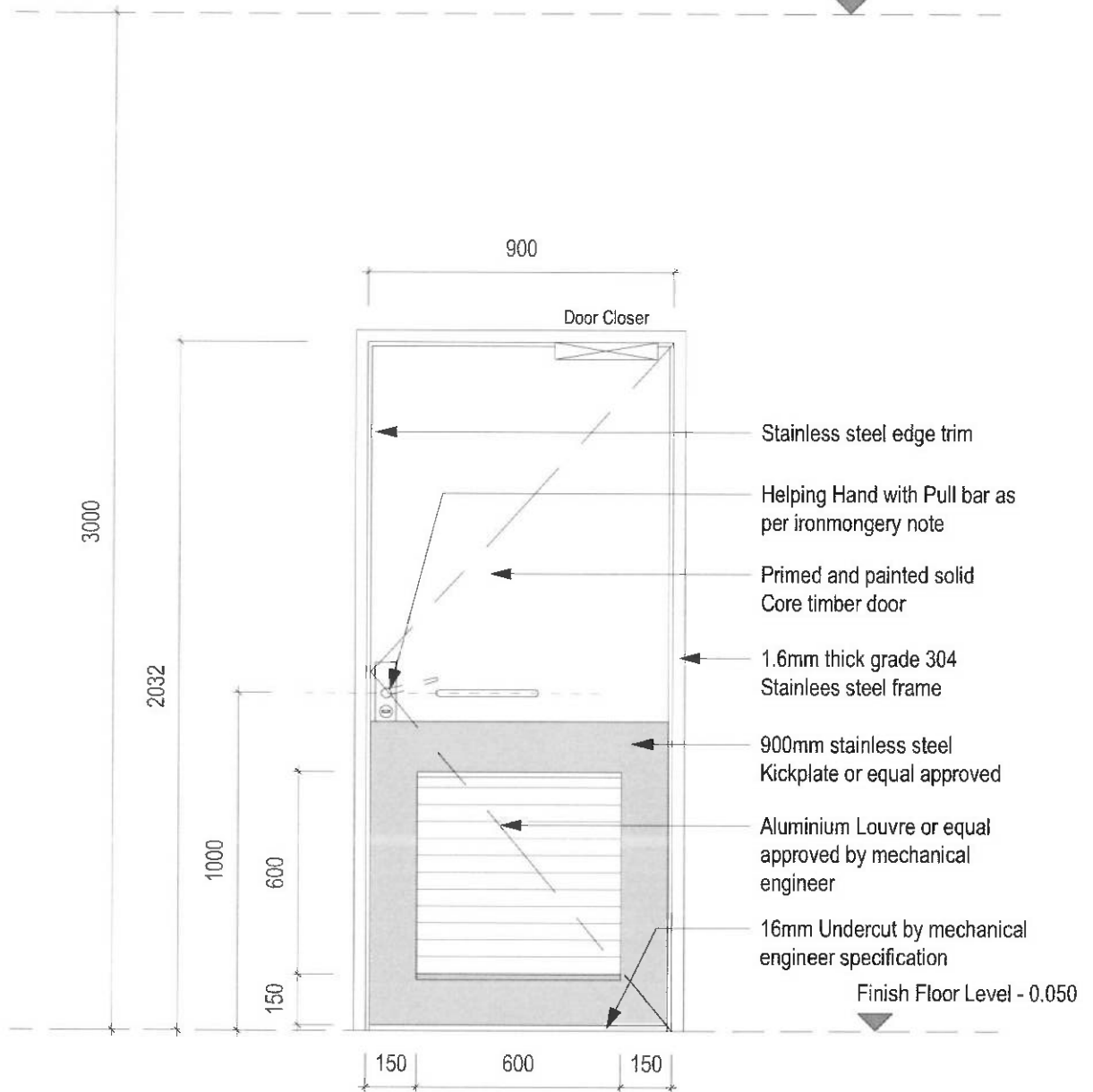
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 Durban | Johannesburg | Cape Town | Bloemfontein | Polokwane
 info@rubenreddyarch.co.za | www.rubenreddyarch.co.za

DOOR SCHEDULE

Door Type : WD10

Ceiling Level Level



DESCRIPTION:	900x2032x40mm Solid Timber door with vertical edges dressed in steel as per detail A. All exposed sides incl top & bottom to be Primed and Painted with 2 Coats of Dulux Pearlgló Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accomodate door. To suit door and wall. Brushed steel finish.	
GLAZING:		
IRONMONGERY:		
HANDLES:	2 of Geze JD213/305/BT Pull Handle 330x305x25mm CTC S/S BT	
LOCKS:	1 of Geze 295/01 Helping Hand Lh/RH	
CYLINDERS:		
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ4001DA TS4000 Parallel Arm Brkt Delayed Closing Door Closer	EXTRAS: 3 of Geze ND0501 Patent Fixing Screws
DOOR STOP:		FLUSH BOLT:
ACCESS CONTROL:		
HINGES:	1.5pairs per leaf Stainless Steel 100x75x2.7mm 4 Ball Bearing Butt Hinges	
KICKPLATE:	900 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.	
SIGNAGE:	Signage as per detail	

26/06/2023 11:24:03: TIME STAMP

- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
- ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- ANY DISCREPANCIES ON THIS DRAWING ARE TO BE REPORTED TO THE OFFICE OF THE ARCHITECT PRIOR TO CONSTRUCTION.
- ALL ALUMINIUM AND STEEL IS TO BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION.
- ALL QUANTITIES ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PLACING ORDERS.
- ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

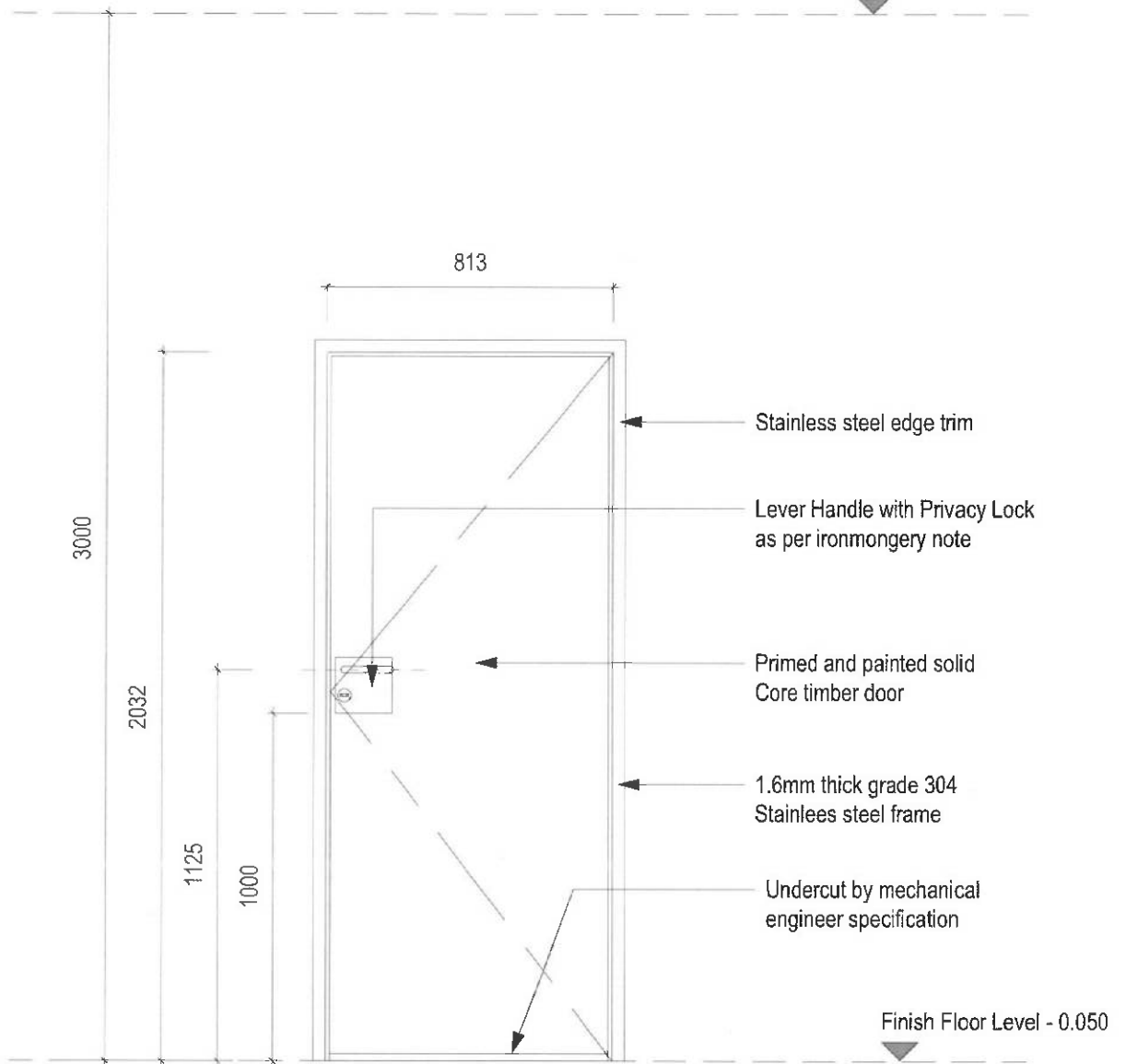
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DOOR SCHEDULE

Door Type : WD11

Ceiling Level Level



DESCRIPTION:	813x2032x40mm Solid Core Timber Door. Primed and Painted with 2 Coats of Dulux Pearlgló Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accomodate door. To suit door and wall. Brushed steel finish.	
GLAZING:		
IRONMONGERY:		
HANDLES:	1 of Geze EDE101W69 Daytona Lever 160x160x1.6mm WC Indicator S/S B/P/I	
LOCKS:	1 of Geze 734/68 Profile Architectural WC Lock	
CYLINDERS:		
SUNDRY 1:	1 of Geze 154/69 Hat and Coat Hook with R/Buf/ S/S	
SUNDRY 2:		
DOOR CLOSER:		EXTRAS:
DOOR STOP:		FLUSH BOLT:
ACCESS CONTROL:		
HINGES:	1.5 pairs per leaf Stainless Steel 100x75x2.7mm rising Butt Hinges	
KICKPLATE:		
SIGNAGE:		

26/06/2023 11:24:05: TIME STAMP

- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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- ALL ALUMINIUM AND STEEL IS TO BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION.
- ALL QUANTITIES ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PLACING ORDERS.
- ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

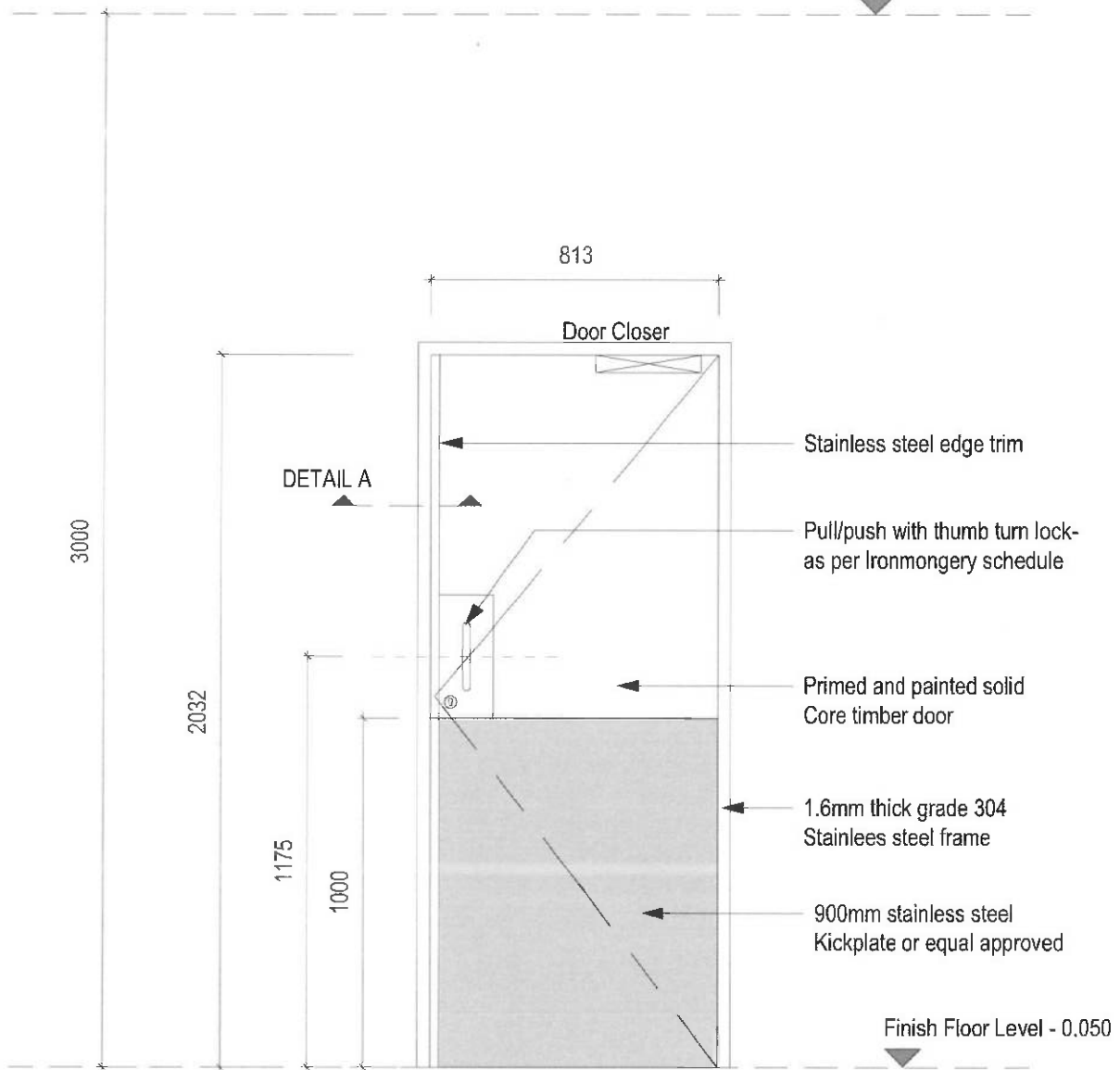
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 Durban | Johannesburg | Cape Town | Blantyre | Pune
 info@rubenreddyarchitects.co.za | www.rubenreddyarchitects.co.za

DOOR SCHEDULE

Door Type : **WD13**

Ceiling Level Level



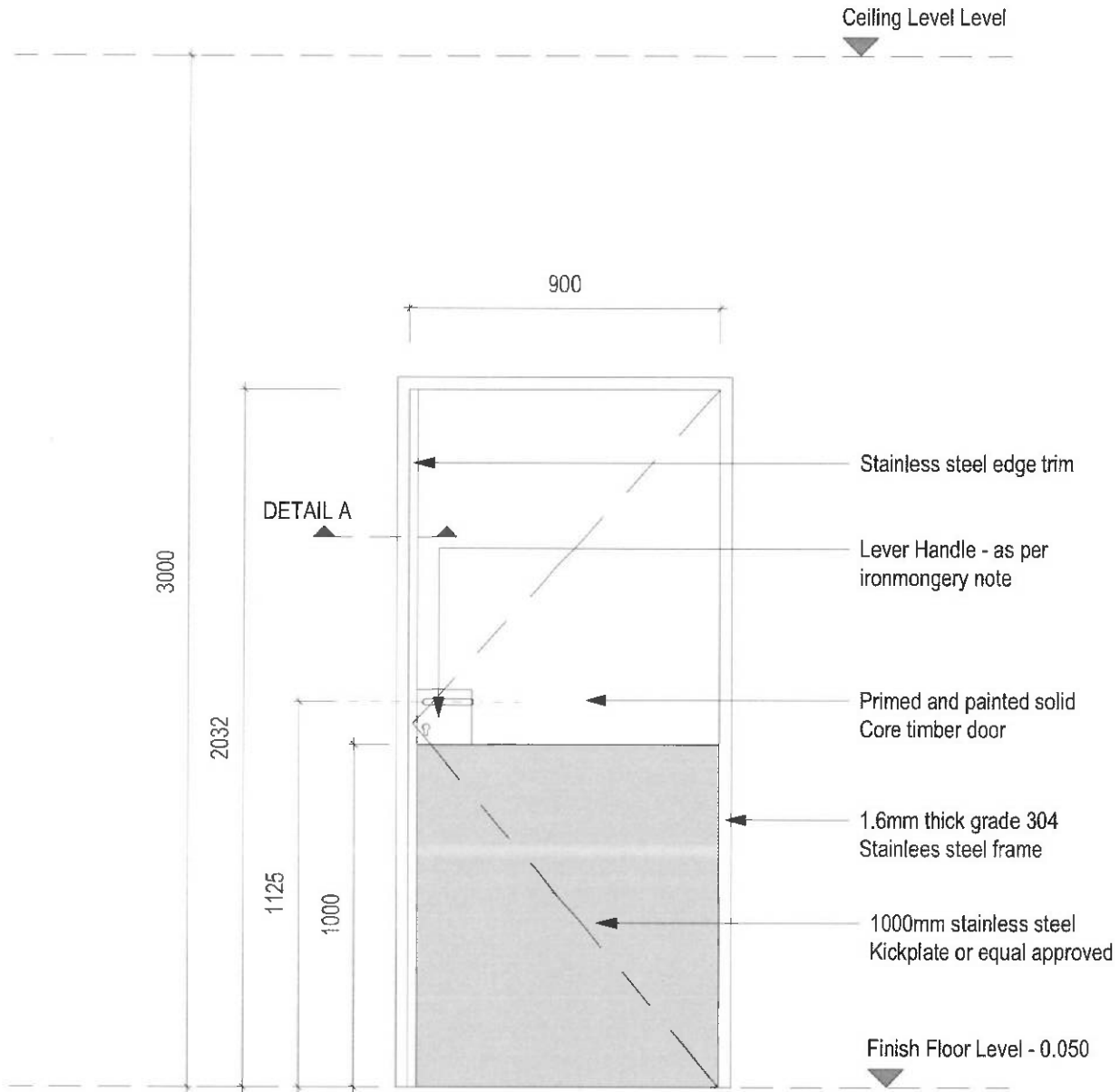
DESCRIPTION:	813x2032x40mm Solid Core Timber door with vertical edges dressed in steel as per detail A. All exposed sides incl top & bottom to be Primed and Painted with 2 Coats of Dulux Pearlglø Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accomodate door. To suit door and wall. Brushed steel finish.	
GLAZING:		
IRONMONGERY:		
HANDLES:	1 of Geze 075/350/B Pull Handle on 350x150x1.6mm Blank S/S 6 Fix Holes	
LOCKS:	1 of Geze 194/01 Thumb Turn and Lock TT001SS	
CYLINDERS:	1 of Geze IG95093338M N/PL Double Cylinder 66mm Master Key CMK	
SUNDRY 1:	1 x Geze 079/350/B Push Plate on 350x150x1.6mm S/S 6 fix holes with "Push" Engraved	
SUNDRY 2:		
DOOR CLOSER:	1 of Geze AZ5003SR TS5000 with Guide Rail	EXTRAS: 3 of Geze ND0501 Patent Fixing Screws
DOOR STOP:	1 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT:
ACCESS CONTROL:		
HINGES:	1.5pairs per leaf Stainless Steel 100x75x2.7mm 4 Ball Bearing Butt Hinges	
KICKPLATE:	1000 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.	
SIGNAGE:	Signage as per detail	

26/06/2023 11:24:07: TIME STAMP

- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
- ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- ANY DISCREPANCIES ON THIS DRAWING ARE TO BE REPORTED TO THE OFFICE OF THE ARCHITECT PRIOR TO CONSTRUCTION.
- ALL ALUMINIUM AND STEEL IS TO BE ISOLATED FROM ONE ANOTHER TO PREVENT GALVANIC ACTION.
- ALL QUANTITIES ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO PLACING ORDERS.
- ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

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ruben reddy architects
 Durban | Johannesburg | Cape Town | Bloemfontein | Potchefstroom
 info@rubenreddy.com | +27 11 462 2000 | www.rubenreddy.com

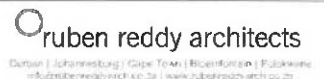


DESCRIPTION:	
900x2032x40mm Solid Core Timber door with vertical edges dressed in steel as per detail A. All exposed sides incl top & bottom to be Primed and Painted with 2 Coats of Dulux Pearlglow Waterbased Enamel applied in Strict Accordance to Manufacturers Specs. Colour - TBC	
FRAME:	
Stainless Steel 1.6mm Grade 304 frame with 45mm rebate to accommodate door. To suit door and wall. Brushed steel finish.	
FINISHING:	
IRONMONGERY:	
HANDLES:	1 of Geze EDE101C69 Daytona Lever 160x160x1.6mm Cyl C/O S/S B/PL
LOCKS:	1 of Geze 194/01 Thumb Turn and Lock TT001SS
CYLINDERS:	1 of Geze IG950933338M N/PL Double Cylinder 66mm Master Key CMK
DRY 1:	
DRY 2:	
DOOR CLOSER:	EXTRAS:
DOOR STOP: 1 of Geze 140/69 S/S Floor Mounted Door Stop	FLUSH BOLT:
DOOR PRESS CONTROL:	
HINGES:	1.5pairs per leaf Stainless Steel 100x75x2.7mm 4 Ball Bearing Butt Hinges
KICKPLATE:	1000 High Stainless Steel kick plate on passage side with Epoxy Adhesive or screwed with countersunk stainless steel screws +/- 20mm long screwed along the edges at 150mm c/c.
SIGNAGE:	Signage as per detail

26/06/2023 11:24:09: TIME STAMP

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- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

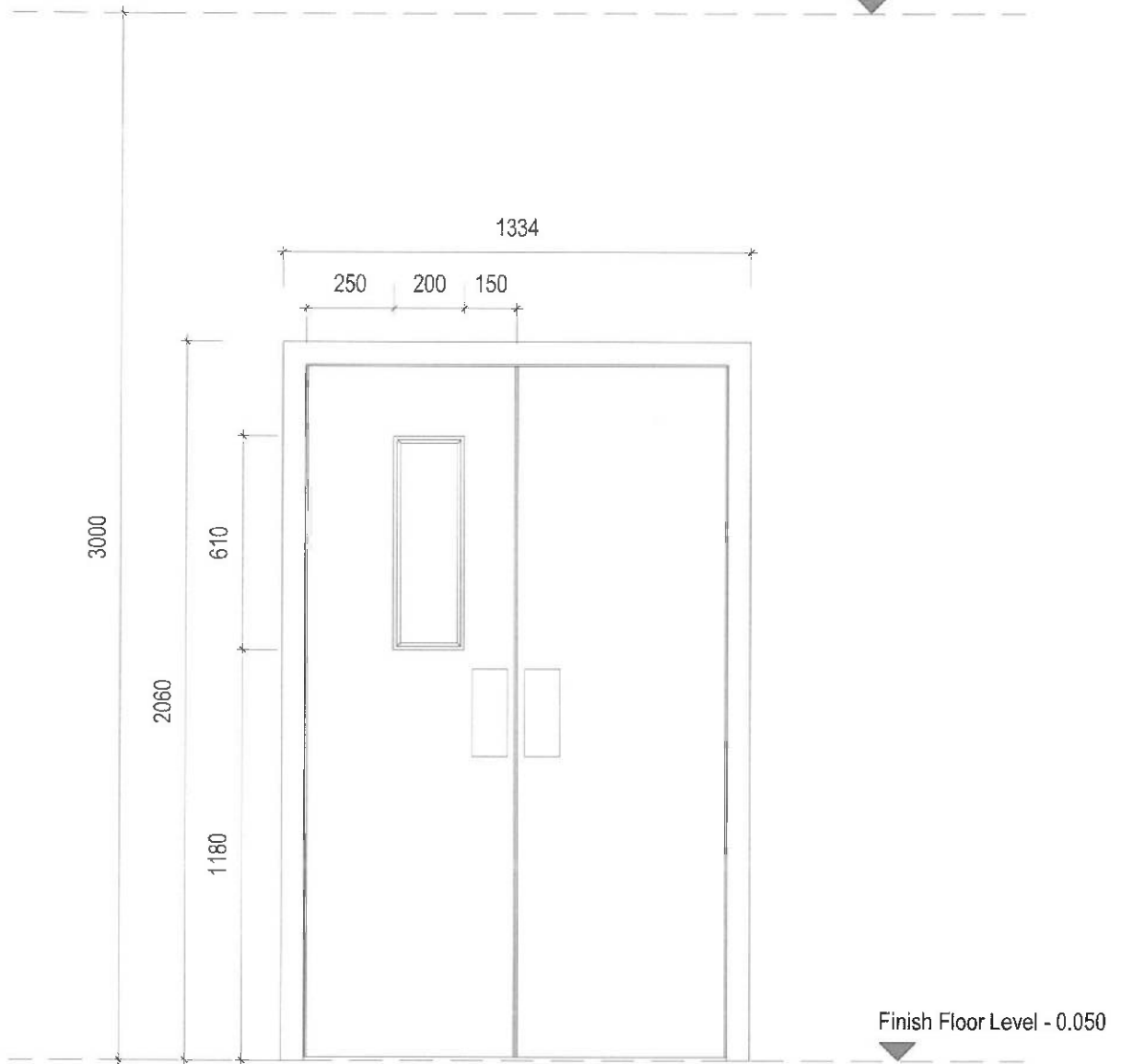
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DOOR SCHEDULE

Door Type : SED

Ceiling Level Level



DESCRIPTION:	SPACIALISED SECURITY MANAGEMENT DOUBLE DOOR	
FRAME:	Stainless Steel 1.6mm Grade 304 stainless steel frame with 45mm rebate to accommodate door. To suit door and wall. Brushed steel finish.	
GLAZING:	AAAMSA & SAGGA approved safety glazing to suit door as shown	
IRONMONGERY:		
HANDLES:	As per manufacturers specifications	
LOCKS:	As per manufacturers specifications	
CYLINDERS:	As per manufacturers specifications	
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:	As per manufacturers specifications	EXTRAS:
DOOR STOP:		FLUSH BOLT:
ACCESS CONTROL:	Access Control by Specialist	
HINGES:	2 Pairs Stainless Steel Hinges per leaf supplied complete with door and frame by manufacturer	
KICKPLATE:		
SIGNAGE:	Signage as per detail	

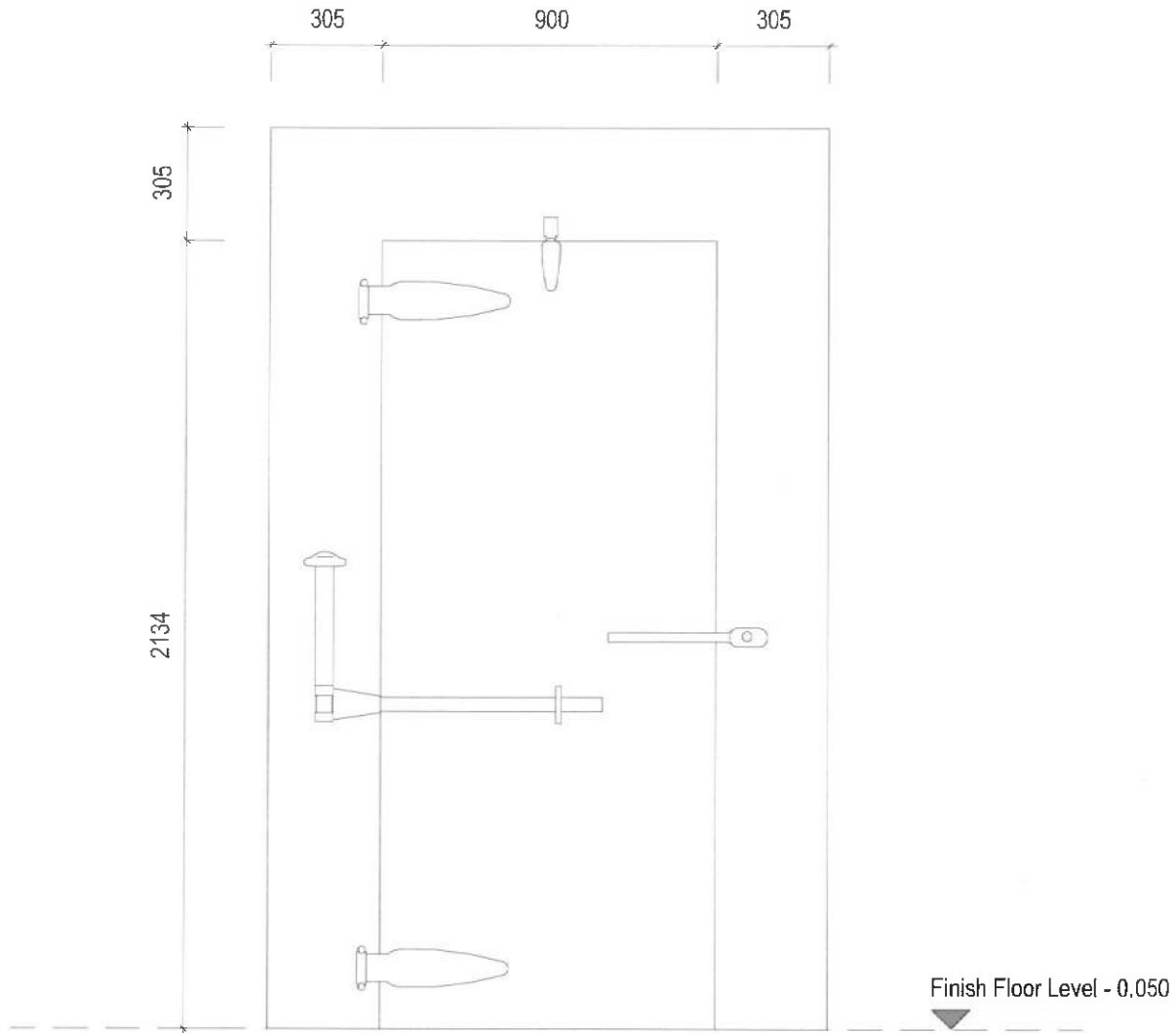
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Durban | Johannesburg | Cape Town | Bloemfontein | Polokwane
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DESCRIPTION:	Specialised Record Romm Door by Manufacturers specifications	
FRAME:	As per manufacturers specifications	
GLAZING:		
IRONMONGERY:		
HANDLES:	As per manufacturers specifications	
LOCKS:	As per manufacturers specifications	
CYLINDERS:		
SUNDRY 1:		
SUNDRY 2:		
DOOR CLOSER:		EXTRAS:
DOOR STOP:		FLUSH BOLT:
ACCESS CONTROL:		
HINGES:	As per manufacturers specification	
KICKPLATE:		
SIGNAGE:		

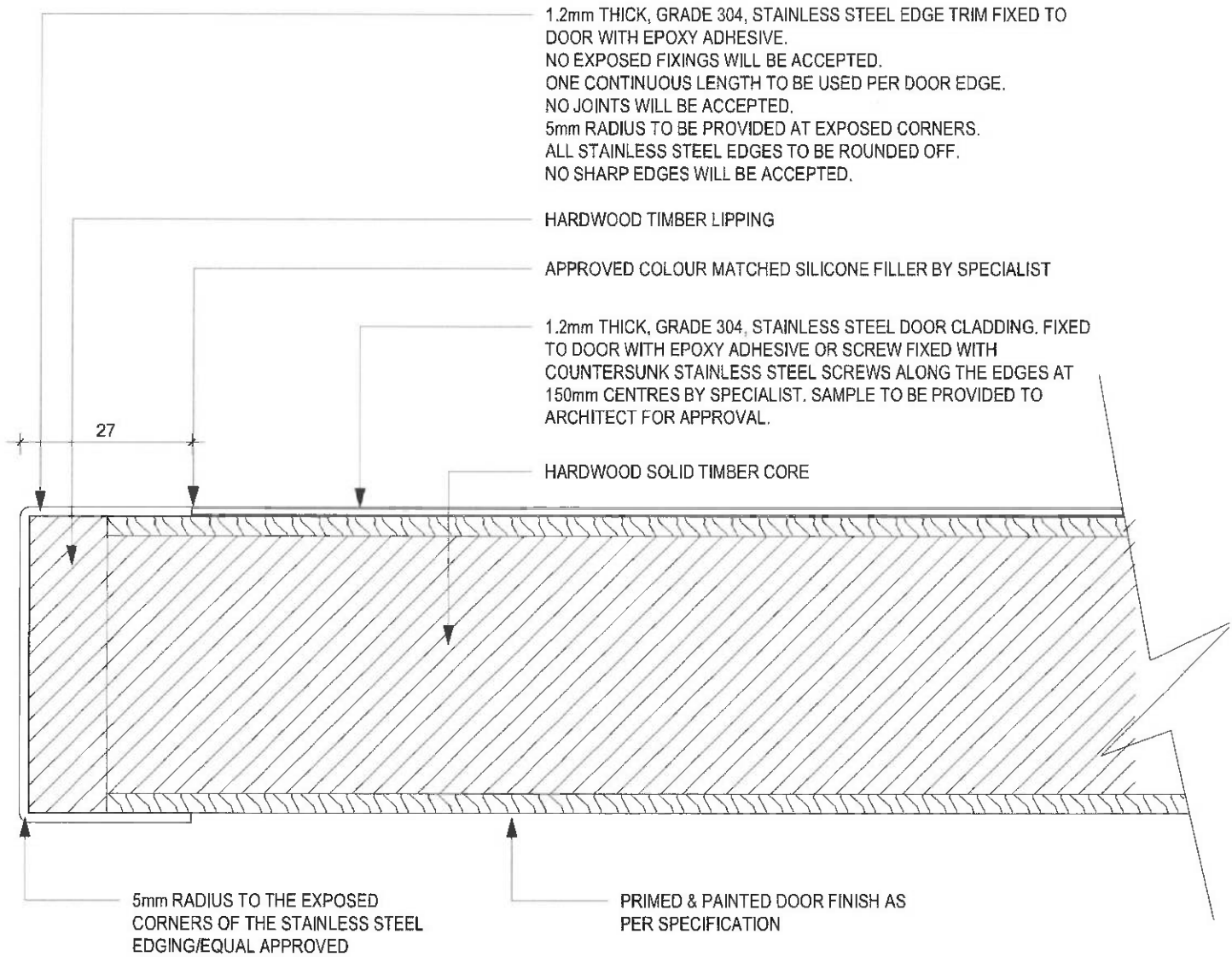
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- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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2023_F480-RRR-B00-XX-SH-A-06.01.035



DOOR SCHEDULE



26/06/2023 11:24:16: TIME STAMP

- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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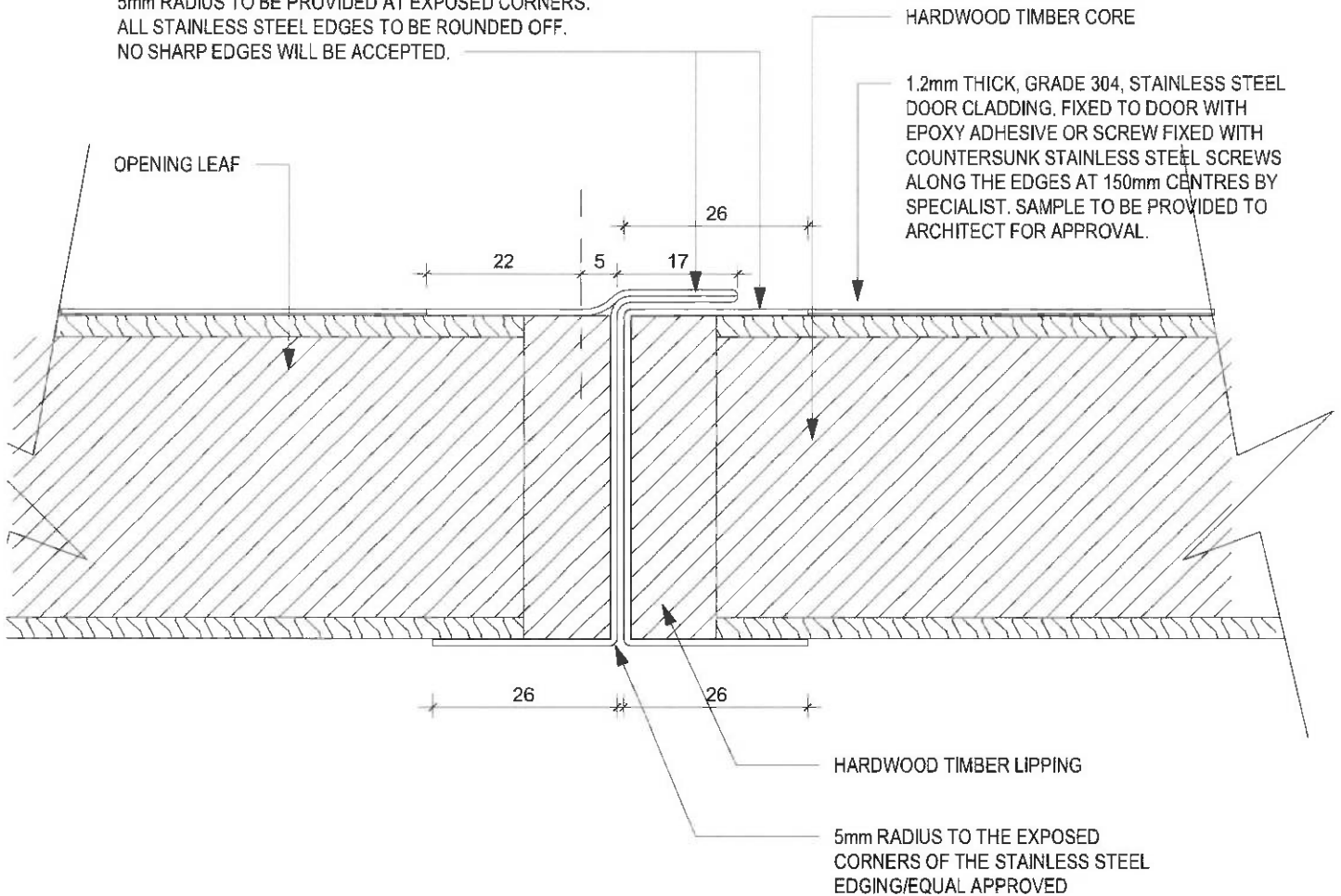
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 ruben reddy architects

Director | 0201918503 | Cape Town | 0214614201 | P.O. Box 1234
 12345678901234567890 | www.rubenreddy.co.za

DOOR SCHEDULE

1.5mm THICK, GRADE 304, STAINLESS STEEL EDGE TRIM
FIXED TO DOOR WITH EPOXY ADHESIVE.
NO EXPOSED FIXINGS WILL BE ACCEPTED.
ONE CONTINUOUS LENGTH TO BE USED PER DOOR EDGE.
NO JOINTS WILL BE ACCEPTED.
5mm RADIUS TO BE PROVIDED AT EXPOSED CORNERS.
ALL STAINLESS STEEL EDGES TO BE ROUNDED OFF.
NO SHARP EDGES WILL BE ACCEPTED.



26/06/2023 11:24:18: TIME STAMP

- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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- ALL UNDERCUTTING OF DOORS IS TO BE CALCULATED FROM MECHANICAL DETAILED CONSTRUCTION DRAWINGS.
- ALL SHOP FRONT DOORS ARE TO BE AAAMSA APPROVED.

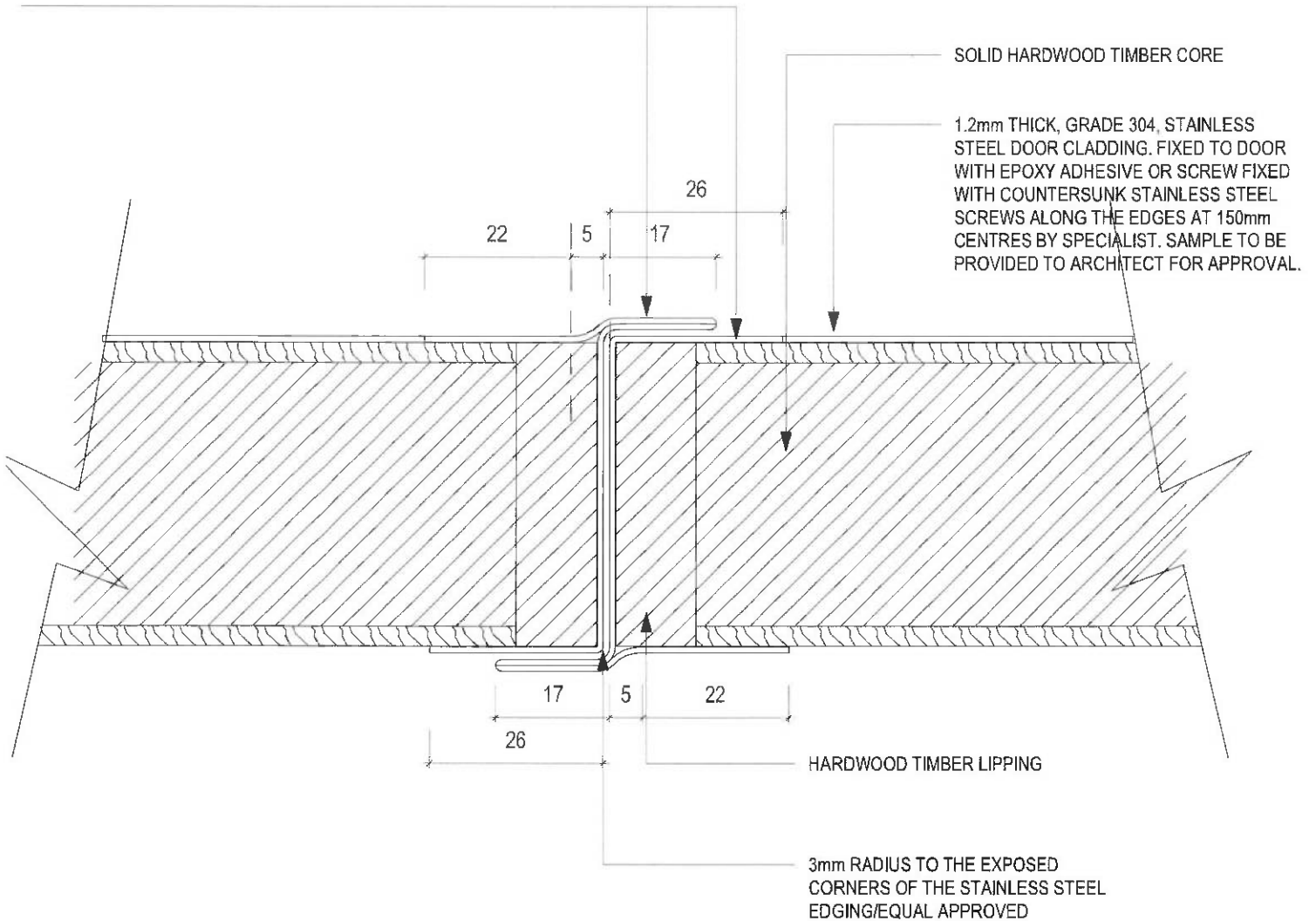
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Durban | Johannesburg | Cape Town | Bloemfontein | Polokwane
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DOOR SCHEDULE


- 1.5mm THICK, GRADE 304, STAINLESS STEEL EDGE TRIM FIXED TO DOOR WITH EPOXY ADHESIVE.
- NO EXPOSED FIXINGS WILL BE ACCEPTED.
- ONE CONTINUOUS LENGTH TO BE USED PER DOOR EDGE.
- NO JOINTS WILL BE ACCEPTED.
- 3mm RADIUS TO BE PROVIDED AT EXPOSED CORNERS.
- ALL STAINLESS STEEL EDGES TO BE ROUNDED OFF.
- NO SHARP EDGES WILL BE ACCEPTED.



26/06/2023 11:24:20: TIME STAMP

- DOOR SWINGS AND POSITIONS TO BE CALCULATED FROM THE DOOR REFERENCE PLANS.
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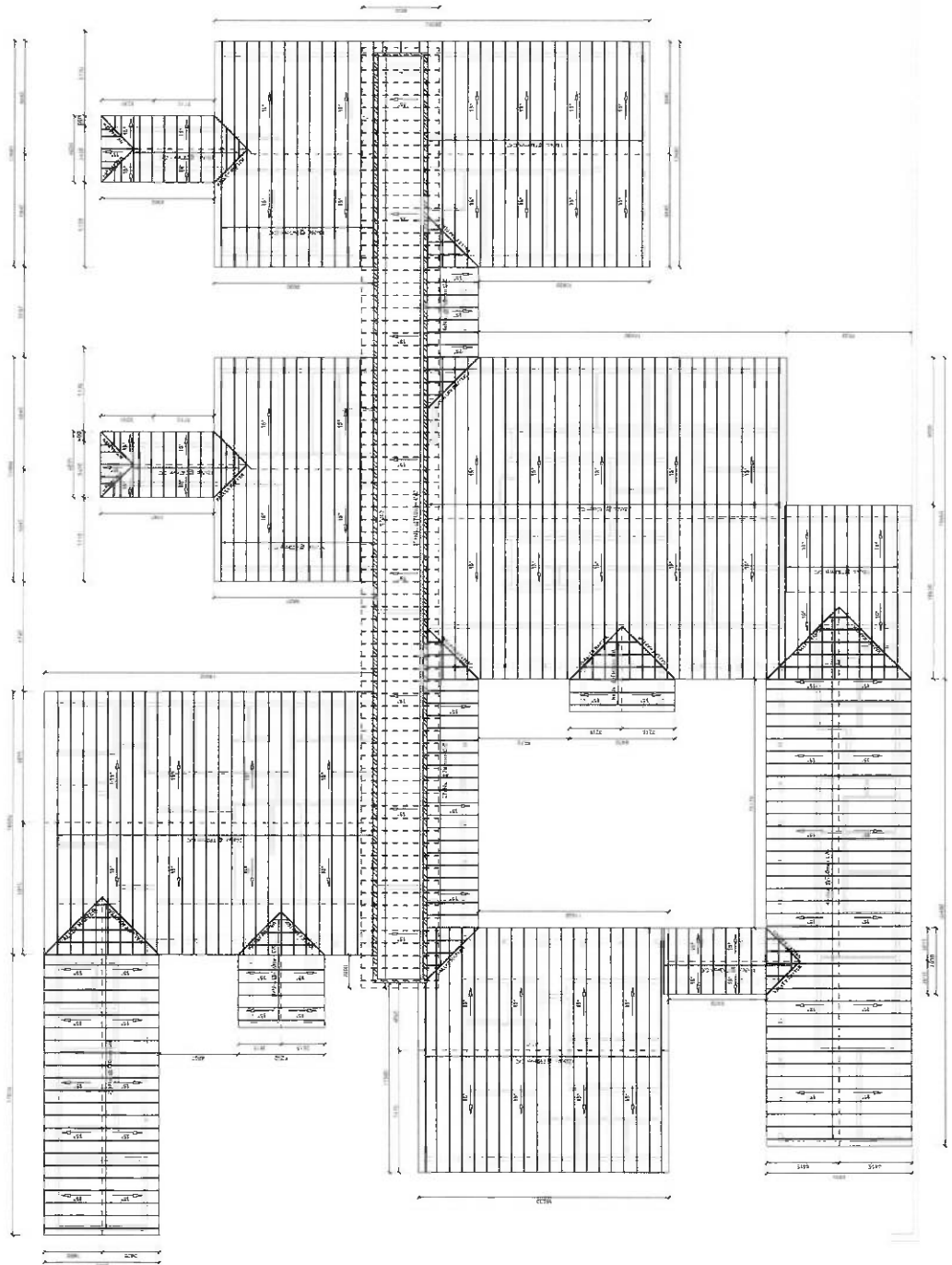
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NOTE: DRAWING IS NOT TO BE USED FOR CONSTRUCTION WITHOUT THE APPROVAL OF THE ARCHITECT. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.



ROOFLAYOUT
SCALE: 1/50

AKSHAN ENGINEERING

PROFESSIONAL ENGINEERS
REGISTERED WITH THE BOARD OF PROFESSIONAL ENGINEERS
PUNJAB, INDIA

Office: 101, Sector 17, Gurgaon, Haryana, India
Phone: +91 98100 88888
Email: info@akshanengg.com

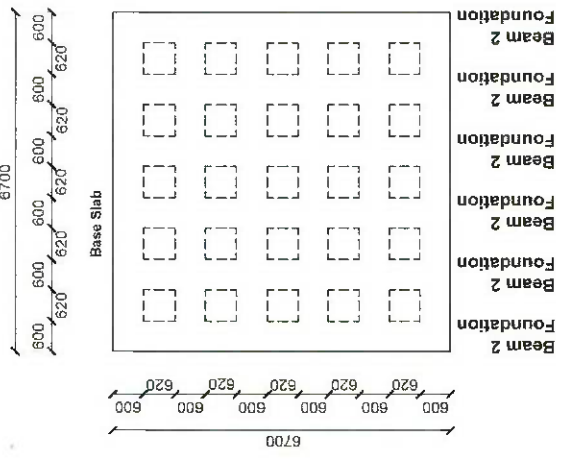
Health
PROTECTORS OF PUBLIC HEALTH

Project: [Blank]
Client: [Blank]
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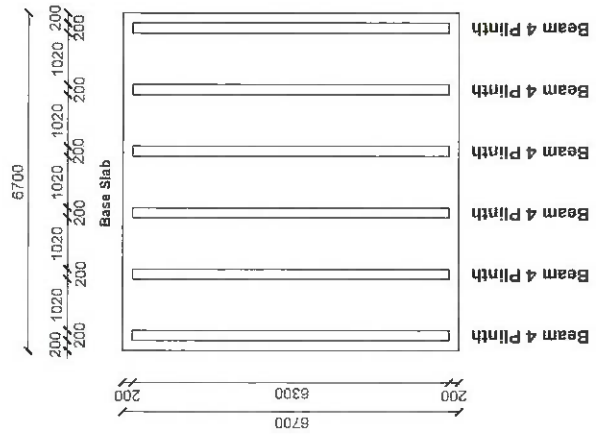
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Checked by: [Blank]
Approved by: [Blank]

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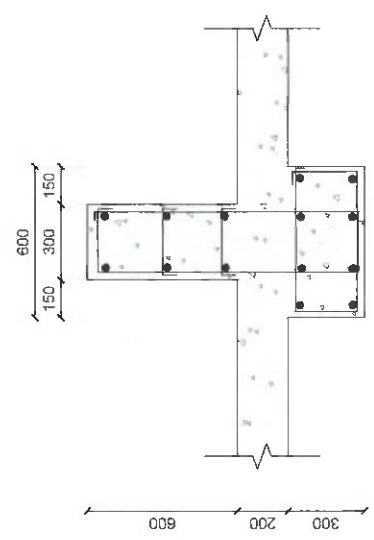
Title:



FOUNDATION PLAN:
GROUND BEAMS AND SLAB
SCALE 1:100



FOUNDATION PLAN:
SLAB AND PLINTH
SCALE 1:100



CROSS SECTION: FOUNDATION SLAB AND PLINTH
SCALE 1:20

REV	DATE	DESCRIPTION	APPROVED

Notes

Project Engineer:

AKSHAN ENGINEERING
181 RODGER BISHI ROAD, WESTVILLE, DURBAN
TEL: (031) 700 1848

Checked by Professional Consultant
Name: S. HANSRAJ ECSA Reg Number: 520440

Signature _____ Date _____

Designated By: S. HANSRAJ
Drawn By: A. HANSRAJ
Checked By: S. HANSRAJ

Client
health
Department: Health
PROVINCE OF KWAZULU-NATAL

Signature _____ Date _____
Project: SMALL CLINIC
EWA-ZULU NATAL

Drawing Description
WATER TANK FOUNDATION
DETAILS

Date	16/07/2023
Scale / s	1:100, 1:20 (Page Size A1)
Rev	00
Drawing Number	AE 480-501-001

ANNEXURES	
Annexure 1	Standard Preambles for all Trades (Rev 3) - DOH 2009
Annexure 2	General Electrical Specifications
Annexure 3	Mechanical Specifications
Annexure 4	Map of Tender submission location
Annexure 5	Joint Venture Agreement
Annexure 6	Health and Safety Specification
Annexure 7	Health and Safety Bill of Quantities
Annexure 8	Builders Lien Agreement
Annexure 9	Geotechnical Investigation Report (If applicable)
Annexure 10	EPWP Employment Contract
Annexure 11	Attendance Register - Infrastructure and Other projects
Annexure 12	EPWP Data Collection tool for Phase 3 system



CONSTRUCTION OF A SMALL CLINIC AT BLAaubosch CLINIC

ANNEXURES