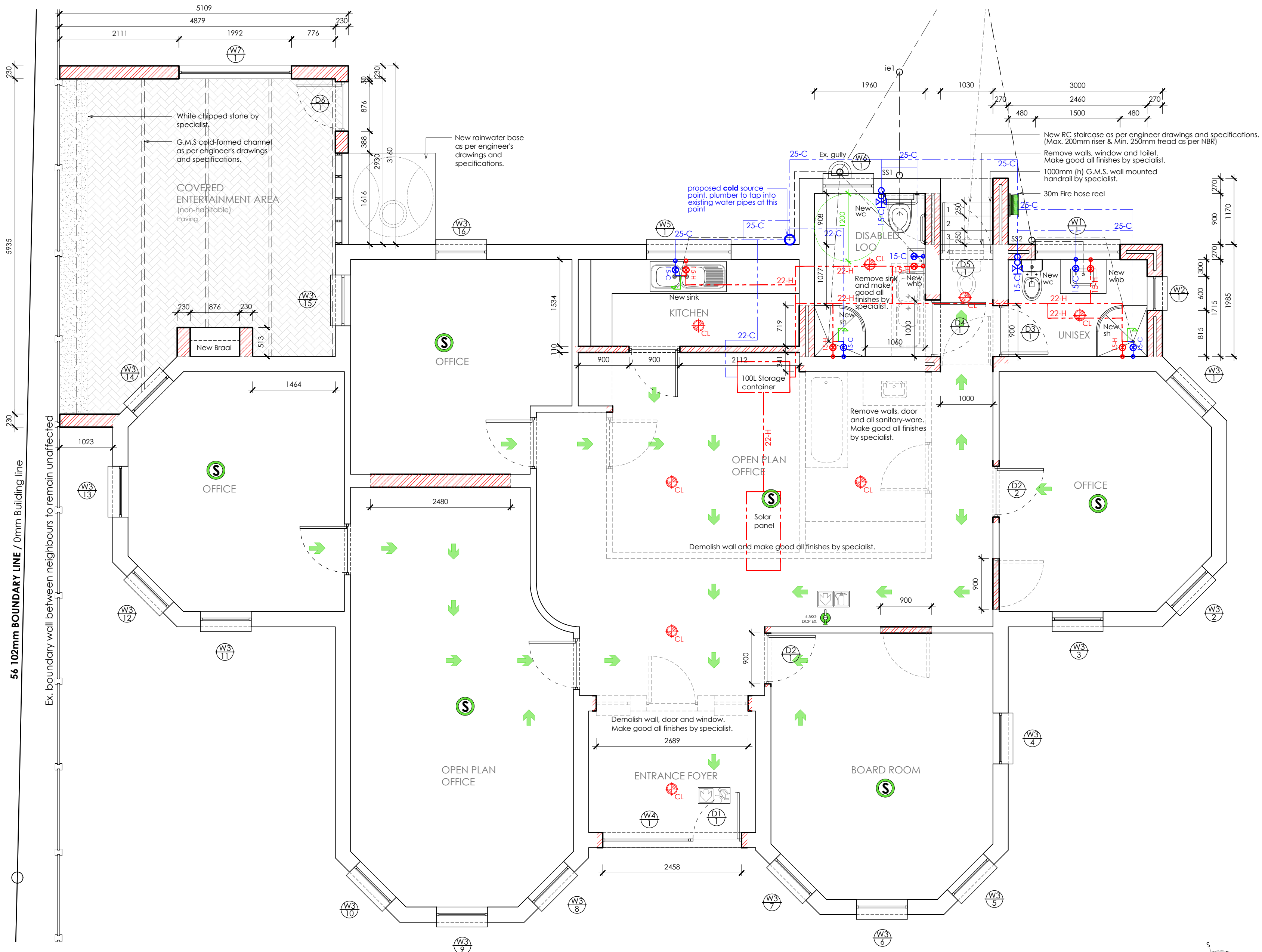


ELECTRICAL LEGEND

	Single wall mounted light switch to be mounted at 1300mm above ufl.		TV point aerial		External LED Wall mounted spotlight		Hair dryer waterproof plug
	Double wall mounted light switch to be mounted at 1300mm above ufl.		Shavers plug		Internal CFL Wall mounted - Up Lighter		Main distribution board
	Single wall mounted light switch to be mounted at 1300mm above ufl.		Teknom point		Starlights (wall mounted)		Sub distribution board
	2-way wall mounted light switch to be mounted at 1300mm above ufl.		Network point		LED Strip Lighting		Uninterruptible power supply
	Watreight wall mounted light switch to be mounted at 1300mm above ufl.		Stove isolator		Pool light as per client		Sleeve to be installed for future Fibre optic installations, sleeve to be as per specialist.
	Drimmer wall mounted light switch to be mounted at 1300mm above ufl.		Power Skirting		Foot light		
	Double wall mounted plug, top of socket to be 1250mm above ufl.		2 tube fluorescent armature with prismatic diffuser suspended from ceiling.		Electrical fence control box		
	Double wall mounted plug, top of socket to be 300mm above ufl.		LED Down lighter as per specification		Gate Control Unit		
	Double wall mounted watertight plug		Ceiling light (Compacted Fluorescent)		Pre-paid Electricity meter		
	Extractor connection plug @ 2100mm		Hanging pendant (Compacted Fluorescent)		Daylight sensor		
	Blank conduiting boxes		30 Watt fan-light ceiling mounted		Intercom		
	Periscope plug as per specification.		Internal LED Wall mounted light		Intercom system.		
	Garage door ceiling mounted motor		External LED Wall mounted light		Alarm		



FLOOR PLAN / MAIN OFFICE BUILDING

SCALE 1:50

MUNICIPAL INFORMATION:

TOWN PLANNING	BUS1	BUS1
	Required	Provided
ERF NO:	ERF 100, Newton Park	ERF 100, Newton Park
ZONING:	Bu1	Bu1
HEIGHT RESTRICTION:	8M	8M
BUILDING LINE FRONT:	0mm	0mm
BUILDING LINE SIDES:	0mm	0mm
BUILDING LINE REAR:	0mm	0mm
EXISTING ERF AREA:	1673 sqm	1673 sqm
EXISTING AREA:	262 sqm	262 sqm
NEW AREA:	114 sqm	114 sqm
TOTAL AREA:	376 sqm	376 sqm
EXISTING COVERAGE:	262 sqm - 16%	262 sqm - 16%
NEW COVERAGE:	114 sqm - 7%	114 sqm - 7%
TOTAL COVERAGE:	376 sqm - 22%	376 sqm - 22%
NEW GARAGES:	0	0
NEW BATHROOMS:	4	4
PARKING BAYS:		
4 BAYS /100sqm for Offices	6 Bays (144.1m)	6 Bays
FSI	TBC	0.22

TOWN PLANNING INFO.

ERF 100, NEWTON PARK		
ERF AREA 1673 sqm		1673 sqm
EXISTING COVERAGE @ 262 sqm	15.7%	262 sqm - 16%
PROPOSED NEW COVERAGE		114 sqm - 7%
TOTAL COVERAGE		376 sqm - 22%
FSI EXISTING - 262sqm / 1673sqm		15.7%
PROPOSED NEW TOTAL FSI - 376sqm / 1673sqm		0.22
FSI PERMITTED - n/a		N/A

FIRE PLAN LEGEND

Smoke Detectors	
Manual Control Panel	
Signage for direction of fire escape route	
Signage for fire extinguisher	
Fire extinguisher	 A 3KG 100% CO₂ EX
Fire blanket	
Fire escape route	
30m Fire hose reel	 30m FHR
Fire hydrant	

WATER RETICULATION LEGEND

Proposed cold water source point, plumber to tap into existing cold water pipes at this point	
Municipal water connection and stop cock	
Garden tap position	
Proposed cold water reticulation	
Proposed hot water reticulation	
Proposed cold water pipe up	
Proposed cold water pipe down	
Proposed hot water pipe down	
Proposed cold water stopcock	
Proposed hot water stopcock	
Proposed cold tap	
Proposed hot tap	
Proposed shower head	

FENESTRATION CALCULATIONS - MAIN OFFICE BUILDING

Tag	Width	Height	A	P-Value	G	O	M-Value	Min. P	U-Value	SHGC
D1/1	900.00	2125.00	1.91	715.00	500.00	N	0.54	1417.5	Any Solution	Any Solution
W1/1	1500.00	900.00	1.35	600.00	500.00	S	0.54	756	Any Solution	Any Solution
W2/1	600.00	900.00	0.54	600.00	500.00	W	0.54	756	Any Solution	Any Solution
W3/1	900.00	1200.00	1.08	600.00	500.00	SW	0.54	918	Any Solution	Any Solution
W3/2	900.00	1200.00	1.08	600.00	500.00	NW	0.54	918	Any Solution	Any Solution
W3/3	900.00	1200.00	1.08	600.00	500.00	N	0.54	918	Any Solution	Any Solution
W3/4	900.00	1200.00	1.08	600.00	500.00	W	0.54	918	Any Solution	Any Solution
W3/5	900.00	1200.00	1.08	600.00	500.00	NW	0.54	918	Any Solution	Any Solution
W3/6	900.00	1200.00	1.08	600.00	500.00	N	0.54	918	Any Solution	Any Solution
W3/7	900.00	1200.00	1.08	600.00	500.00	NE	0.54	918	Any Solution	Any Solution
W3/8	900.00	1200.00	1.08	600.00	500.00	NW	0.54	918	Any Solution	Any Solution
W3/9	900.00	1200.00	1.08	600.00	500.00	N	0.54	918	Any Solution	Any Solution
W3/10	900.00	1200.00	1.08	600.00	500.00	NE	0.54	918	Any Solution	Any Solution
W3/11	900.00	1200.00	1.08	600.00	500.00	N	0.54	918	Any Solution	Any Solution
W3/12	900.00	1200.00	1.08	600.00	500.00	NE	0.54	918	Any Solution	Any Solution
W3/13	900.00	1200.00	1.08	600.00	500.00	E	0.54	918	Any Solution	Any Solution
W3/14	900.00	1200.00	1.08	600.00	500.00	SE	0.54	918	Any Solution	Any Solution
W3/15	900.00	1200.00	1.08	600.00	500.00	E	0.54	918	Any Solution	Any Solution
W3/16	900.00	1300.00	1.08	600.00	500.00	S	0.54	918	Any Solution	Any Solution
W4/1	1558.00	1150.00	1.79	600.00	500.00	N	0.54	891	Any Solution	Any Solution
W5/1	1500.00	900.00	1.35	600.00	500.00	S	0.54	756	Any Solution	Any Solution
W6/1	900.00	900.00	0.81	600.00	500.00	S	0.54	756	Any Solution	Any Solution

Summary					
City/Town	Latitude	Zone	Nett Floor Area	Fenestation Area	Glazing %
Port Elizabeth	33.962	4	162,20	25,03	15,43

FENESTRATION CALCULATIONS - OFFICE BUILDING 1

Tag	Width	Height	A	P-Value	G	O	M-Value	Min. P	U-Value	SHGC
W1/I	1500.0	1200.0	1.80	600.00	500.00	E	0.54	918	Any Solution	Any Solution
W2/I	1800.0	1500.0	2.70	600.00	500.00	S	0.54	1080	Any Solution	Any Solution
W3/I	900.00	900.00	0.81	600.00	500.00	S	0.54	756	Any Solution	Any Solution
W4/I	1200.0	1200.0	1.44	600.00	500.00	W	0.54	918	Any Solution	Any Solution
W5/I	1500.0	1200.0	1.80	600.00	500.00	W	0.54	918	Any Solution	Any Solution
W6/I	1200.0	600.00	0.72	600.00	500.00	N	0.54	594	Any Solution	Any Solution
W7/I	1500.0	1200.0	1.80	600.00	500.00	N	0.54	918	Any Solution	Any Solution
W8/I	1500.0	1200.0	1.80	600.00	500.00	N	0.54	918	Any Solution	Any Solution
D1/I	900.00	2125.00	1.91	715.00	500.00	N	0.54	1417.5	Any Solution	Any Solution

Summary					
City/Town	Latitude	Zone	Nett Floor Area	Fenestation Area	Glazing %
Port Elizabeth	33.962	4	94,35	14,78	15,67

APPLICATION OF SANS 10400-XA (Ed.2)

ZONE 4 - CLASSIFICATION G1 / Offices

		REQUIREMENTS	ACTUAL			STATUS
1	DESIGN	The orientation is in accordance with the requirements of 5.1	EXISTING BUILDING			N/A
2	SHADING	The shading is in accordance with the requirements of 5.2	See Fenestration calculations			In order
3	FENESTRATIONS & ROOF LIGHTS	The fenestration is in accordance with the requirements of 5.3	See Fenestration calculations			In order
4	FLOOR INSULATION for under floor heating	The floors are in accordance with the requirements of 5.4 5.4.1. Surface bed (Heated) 5.4.2. Suspended (Exposed) R-value => 1.00	Under slab (Heated): mm W/m.K R-Val. Lambdaboard 000 0.024 0.00 Total R-value: Req. =>1.0 0.00 Suspended Floor (Exposed): mm W/m.K R-Val. Isover Aerolite Insulation 050 0.044 1.14 Total R-value: Req. =>1.0 1.14	N/A N/A	N/A	
5	EXTERNAL WALLS Surface density < 270kg/m²	The external walls are in accordance with the requirements of 5.5 Zone 4: 50mm Cavity wall: R-value => 1.9	External wall: mm W/m.K R-Val. Outer Air-Film (1/20) 1000 20 0.05 10mm plaster 010 0.75 0.01 110mm Brick 110 0.82 0.13 Air-spaces 1000 6.8 0.15 Cavity (Lambdaboard) 040 0.024 1.67 110mm Brick 110 0.82 0.13 10mm plaster 10 0.75 0.01 Inner Air-Film (1/9.4) 1000 9.4 0.11 Total R-value: Req. =>1.9 2.26	N/A N/A	In order	
6	ROOF & CEILING ASSEMBLY	The roof and ceiling assemblies are in accordance with the requirements of 5.6 Zone: Direction of Flow: 4 UP 5° Metal roof with Horizontal ceiling	5° PITCH ROOF mm W/m.K R-Val. Outer Air-Film (1/20) n/a n/a 0.05 Metal Roofing sheeting n/a 0.00 0.00 Air-space & Slatation n/a 0.00 0.51 Isover Aerolite insulation 00.0 0.044 0.00 Isover Aerolite insulation 135 0.04 3.38 Gypsum Ceiling 6.40 0.17 0.04 Inner Air-Film (1/11.0) n/a n/a 0.09 Total R-value: Req. =>3.7 4.07	N/A N/A	In order	
7	BUILDING SEALING	The building sealing is in accordance with the requirements of 5.7	A foam or rubber compressible strip or a fibrous seal to restrict air leakage shall be fitted to each edge of an external door and other such opening that serves a habitable room. The maximum air leakage for windows and doors shall comply with the requirements of SANS 613.			In order
8	HOT WATER Classification G1 - Offices	The building hot water is in accordance with the requirements of 6.1 m2/ Per Person: 15 m2 / Total Office: 162	Stipulated 24hr hot water @ 60°C min: 6 L/p 162 / 15 = 10.80 Occupation Minimum hot water storage: (i(a) * 1.5) x 10.8 = 97.2 L/p Solar Heater (MJ/Day): (100L * 0.1) = 10 MJ/day (min.) (100L * 0.15) = 15 MJ/day (max.)			In order In order
	PIPE INSULATION (hot water pipe)	Internal pipe diameter ≤ 80mm; Minimum R-value of 1.00	Closed cell elastomeric thermal insulation 38 0.036 1.06 Total R-value: Req. 1.0 1.06	mm W/m.K R-Val. 0.036 1.06	In order	
9	LIGHTING Classification G1 - Offices	MAXIMUM ENERGY DEMAND Constant ÷ 8 W/m² 92.61 m² x 8 W/m² 741 W (MAX.) MINIMUM LUX Minimum light lux level: 400 The lighting lux is in accordance with the requirements of SANS10114 92.61 m² x 400 Lux 37044 Min. Lux	LIGHTS: LED DN Lights: 000 10 80 LED UP/DN Lights: 000 20 160 LED Wall Lights: 000 06 100 Compact Fluo. light: 010 05 58 Fluorescent light: 000 36 79 TOTAL (watts & Lumens): 650 37700 ENERGY DEMAND: 650W / 92.61m² 7.02W/m² <= 8W/m² (max.) LIGHT LUX: 37044 Lumens <= 37700 Lumens	Qty. Watts Lum/W 10 80 20 160 06 100 05 58 36 79	In order In order	

REVISIONS:

[illegible]

GENERAL NOTES:

[illegible]

DRAWING TITLE:

MUNICIPAL SUBMISSIONS

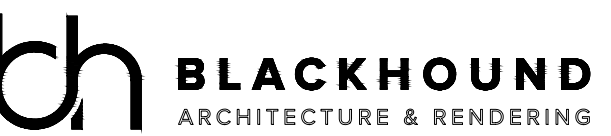
PROJECT TITLE

ADDITIONS AND ALTERATIONS ON **ERF**
100, NEWTON PARK , PORT ELIZABETH
FOR **SIMPLYCIVILS (Pty) Ltd**

26 Jul 24

.....

CLIENT SIGNATURE



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<https://blackhoundenterprises.com>
 Unit 10, The Network, 19 Cactus Rd
 Fairview, Port Elizabeth, 6070

26 Jul 24
.....
PROFESSIONAL SIGNATURE

MUNICIPAL INFORMATION:

ERF NO:	100, Newton Park
ERF AREA:	1673 sqm
EXISTING AREA:	262 sqm
NEW AREA:	114 sqm
TOTAL AREA:	376 sqm
EX. COVERAGE:	262 sqm - 16%
NEW COVERAGE:	114 sqm - 7%
TOTAL COVERAGE:	376 sqm - 22%
NEW GARAGES:	0
NEW BATHROOMS:	4
POOL:	NO
BOUNDARY WALLS:	0 M
AGE OF BUILDING:	[2024 - 1952] = 72 years ago



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