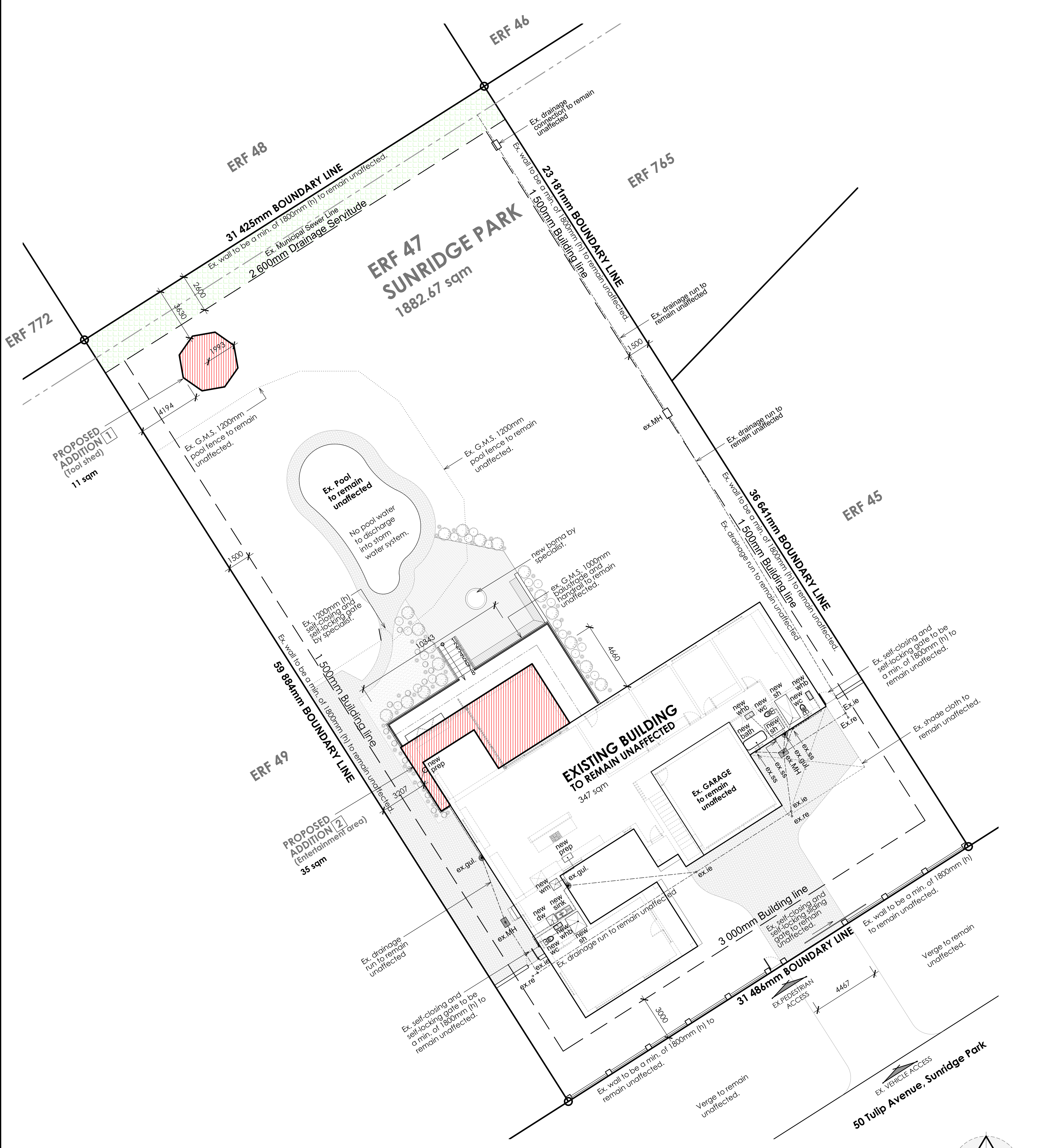
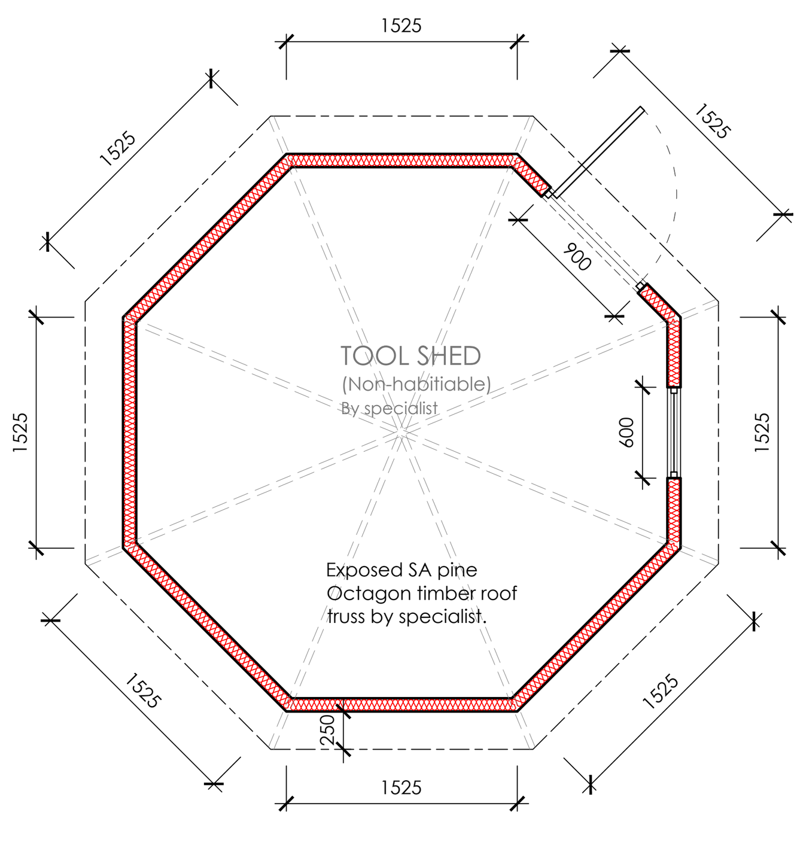


SITE PLAN
SCALE 1:200

SITE LOCALITY
SCALE N/A



FLOOR PLAN / Tool shed
SCALE 1:50

FENESTRATION CALCULATIONS - Main House

Tag	Width	Height	A	P-Value	G	O	M-Value	Min. P	U-Value	SHGC
D1/1	900,00	2125,00	1,91	425,00	500,00	SW	0,54	1417,5	4,40	Any Solution
D2/1	1628,65	2390,00	3,89	400,00	500,00	NW	0,54	1560,6	4,40	0,44
D2/2	2322,90	1400,00	3,25	400,00	500,00	NW	0,54	1026	4,40	0,44
D3/1	4900,00	2125,00	10,41	5086,11	500,00	NW	0,54	1417,5	4,40	0,44
D4/1	4600,00	2390,00	10,99	6000,00	500,00	NE	0,54	1560,6	4,40	0,44
D7/1	1265,00	2125,00	2,69	1963,00	500,00	SE	0,54	1417,5	4,40	Any Solution
Ex. W1	1950,00	1194,00	2,33	985,00	500,00	NW	0,54	914,76	4,40	0,44
Ex. W2	1950,00	1194,00	2,33	985,00	500,00	NW	0,54	914,76	4,40	0,44
W1/1	600,00	2125,00	1,28	945,00	500,00	SE	0,54	1417,5	4,40	Any Solution
W3/1	979,00	1100,00	1,08	425,00	500,00	SW	0,54	864	4,40	Any Solution
W4/1	1800,00	1100,00	1,98	445,00	500,00	SW	0,54	864	4,40	Any Solution
W5/1	1852,00	1244,00	2,30	985,00	500,00	NW	0,54	941,76	4,40	0,44
W6/1	1887,00	1194,00	2,25	985,00	500,00	NW	0,54	914,76	4,40	0,44
W7/1	600,00	900,00	0,54	945,00	500,00	SE	0,54	756	4,40	Any Solution
W7/2	600,00	900,00	0,54	945,00	500,00	SE	0,54	756	4,40	Any Solution
W7/3	600,00	900,00	0,54	945,00	500,00	SE	0,54	756	4,40	Any Solution
W8/1	1500,00	1000,00	1,50	945,00	500,00	SE	0,54	810	4,40	Any Solution
W9/1	4600,00	510,00	2,35	6001,87	500,00	NE	0,54	545,4	4,40	0,44

Summary

City/Town	Latitude	Zone	Nett Floor Area	Fenestation Area	Glazing %
Port Elizabeth	33.962	4	193,14	52,16	27,01

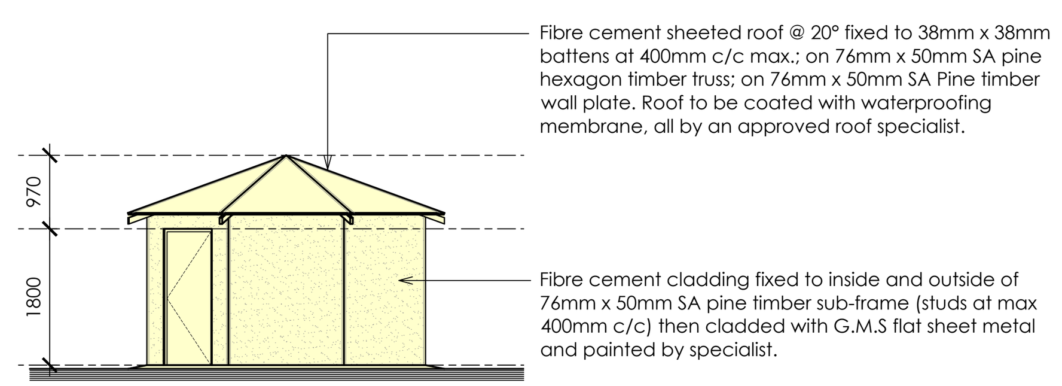
FENESTRATION CALCULATIONS - Study

Tag	Width	Height	A	P-Value	G	O	M-Value	Min. P	U-Value	SHGC
Ex W4	2071,00	1147,00	2,38	545,00	500,00	SE	0,54	889,38	4,40	Any Solution
Ex. W3	1739,00	910,00	1,58	425,00	500,00	SW	0,54	761,4	4,40	Any Solution
Ex. W5	2066,00	1147,00	2,37	545,00	500,00	SE	0,54	889,38	4,40	Any Solution
Ex. W6	933,00	1715,00	1,60	1707,00	500,00	NE	0,54	1196,1	4,40	0,53
Ex. W7	933,00	1715,00	1,60	1707,00	500,00	NE	0,54	1196,1	4,40	0,53
W3/1	600,00	1100,00	0,66	425,00	500,00	SW	0,54	864	4,40	Any Solution

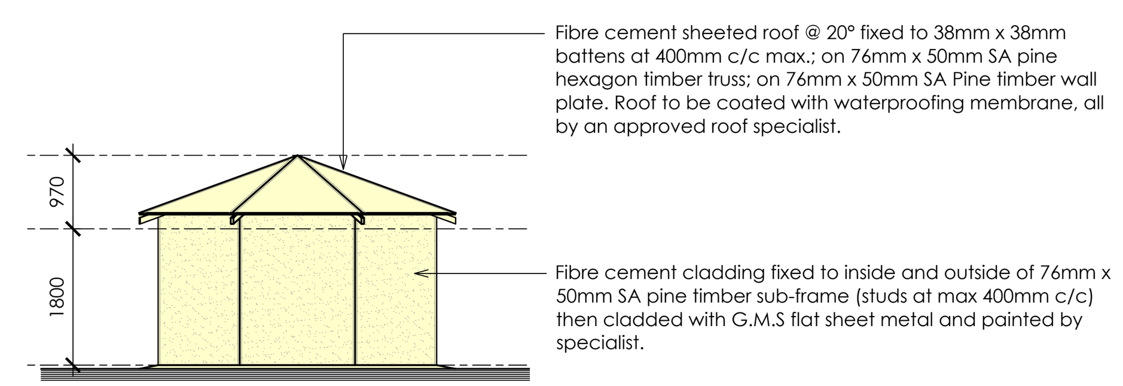
Summary

City/Town	Latitude	Zone	Nett Floor Area	Fenestation Area	Glazing %
Port Elizabeth	33.962	4	35,83	10,19	28,44

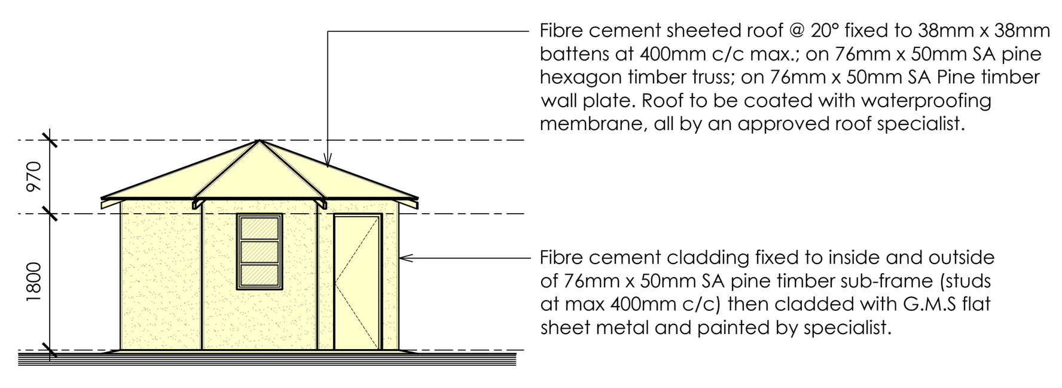
FENESTRATION CALC'S
SCALE: N/A



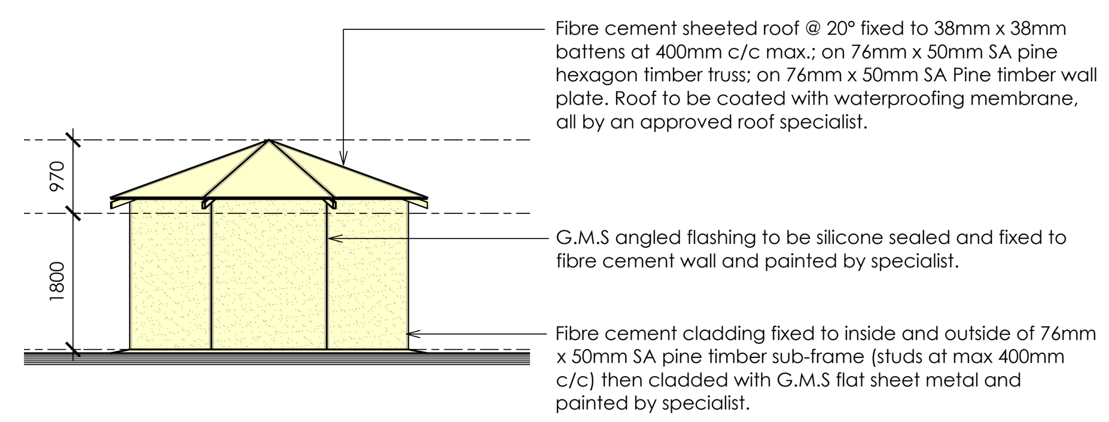
NORTH ELEVATION
SCALE : 1:100



SOUTH ELEVATION
SCALE : 1:100



EAST ELEVATION
SCALE : 1:100



WEST ELEVATION
SCALE : 1:100

APPLICATION OF SANS 10400-XA - Ed.2

ZONE 4 - CLASSIFICATION H4 / Dwelling Houses

		REQUIREMENTS	ACTUAL	STATUS
1	DESIGN	The orientation is in accordance with the requirements of 5.1	Building facing North/South with longest axis orientated East/West	In order
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:** mm / W/m.K / R-Val. EPS (Isover insulation) 15 / 0.038 / 0.39 EPS (Isover insulation) 30 / 0.033 / 0.91 **Total R-value: Req. =>1.0 1.30**	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 => 0.6	**External wall:** mm / W/m.K / R-Val. Outer Air-film (1/20) 1000 / 20 / 0.05 10mm plaster 10 / 0.75 / 0.01 110mm Brick 110 / 0.82 / 0.13 Air-spaces 1000 / 6.8 / 0.15 Isover cavity insulation 000 / 0.04 / 0.00 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. =>0.6 0.6**	In order
	EXTERNAL WALLS Surface density **< 270kg/m²**	The external walls are in accordance with the requirements of 5.5 Zone 4: External Drywall: R-value => 1.9	**External wall:** mm / W/m.K / R-Val. Outer Air-film (1/20) 1000 / 20 / 0.05 10mm plaster 000 / 0.75 / 0.00 110mm Brick 10 / 0.30 / 0.03 Air-spaces 1000 / 6.2 / 0.16 Isover cavity insulation 063 / 0.038 / 1.66 110mm Brick 009 / 0.30 / 0.03 10mm plaster 10 / 0.75 / 0.01 Inner Air-Film (1/9.4) 1000 / 9.4 / 0.11 **Total R-value: Req. =>1.9 2.05**	In order
6	ROOF & CEILING ASSEMBLY	The roof and ceiling assemblies are in accordance with the requirements of 5.6 5° Metal roof with angled ceiling	17.5° **PITCH ROOF** mm / W/m.K / R-Val. Outer Air-film (1/20) n/a / n/a / 0.05 Metal Roofing sheeting 0.00 / 53.00 / 0.00 Air-space & reflective foil n/a / n/a / 0.51 Isover Aerolite insulation 135 / 0.04 / 3.38 Rigid extruded insulation 0.00 / 0.03 / 0.00 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 4.1**	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 H4	The building hot water is in accordance with the requirements of 6.1	NO ADDITIONAL BEDROOMS ADDED.	In order
	PIPE INSULATION (hot water pipe)	Internal pipe diameter ≤ 80mm: Minimum R-value of 1.00	Closed cell elastomeric thermal insulation mm / W/m.K / R-Val.: 38 / 0.036 / 1.06 **Total R-value: Req. 1.0 1.06**	In order
9	LIGHTING Classification H4	The building lighting is in accordance with the requirements of 6.2	LED & CFL deemed to comply with Table 12 for **H3 & H4**	In order

MUNICIPAL INFO.

Erf No.:	ERF **47, SUNRIDGE PARK**
Existing Erf Area:	1882.67 sqm
Existing floor Area:	347 sqm
New floor Area:	46 sqm
Total Floor Area:	393 sqm
Ex. Coverage:	307 sqm - 16.31%
Prop. Coverage:	46 sqm - 2.44%
Total Coverage:	353 sqm - **19%**
NEW GARAGES:	0
NEW BATHROOMS:	1

TOWN PLANNING INFO.

	(Permitted)	(Proposed)
Zoning:	Single Res 1	Single Res 1
Height Restriction:	8.5M	8.5M
Building Line Front	3000mm	3000mm
Building Line Sides	1500mm	1500mm
Servitude Rear	2600mm	2600mm
Ex. Coverage:	-----	307 sqm - 16.31%
Prop. Coverage:	-----	46 sqm - 2.44%
Total Coverage:	1130 sqm - **60%**	353 sqm - **19%**
FSI	t.b.c.	0.19

REVISIONS:

GENERAL NOTES:

All dimensions to be checked on site before construction commences. All dimensions are given in millimeters, unless otherwise specified. Contractors to adhere to all local authority's regulations and requirements. Contractors to be a suitably qualified and registered participant in the construction industry as required by Construction Regulation 2014. Drawings to be read in conjunction with the clients OHS (Occupational Health and Safety) file. All work to be done in accordance with the National Building Regulations SANS 10400. Before this drawing is priced it is the contractor's responsibility to ensure he is familiar with the site. All trade names quoted may only be substituted by similar, subject to architect's approval. All materials to be installed in strict accordance with manufacturer's specifications. All conduit work to be SABS approved quality. All light fittings is to be fitted to comply with the relevant code of practice as specified in SANS 10400: Part O. All new work to be made good with existing. This drawing is not to be scaled unless printed by H. Gouws renders. All existing dimensions not to be scaled from drawings but to be checked on site. Any discrepancies shall be reported to the designer immediately and clarified by the architect prior to commencement of work. Top of foundations to be a minimum of 150mm below finished ground level. Minimum 100mm thick concrete surface bed as per Engineers drawings to be on 250 mic. "gunplas" ubs green dpm on 50mm sand blinding layer and on well compacted fill in layers not more than 150mm. SABS Approved "gundle" 375 mic. dpc under all walls, window cills and at changes in floor level. These architectural drawings to be read in conjunction with engineers and consultants drawings, where applicable. All building work to be carried out in accordance with the national building regulations. The contractor is responsible for all site visits by local inspectors and pay all fees in connection therewith. All drainage work to be carried out in accordance with the national building regulations. All roof measurements to be taken on site by roof specialist prior to roof construction. All tile layouts to be confirmed with architect prior to commencing. Levels shown are relative to a benchmark at 100.00 msl of new floor level. Msl is not the actual level but a benchmark to base other heights of the building shown on the drawings. Contractor to keep a full set of latest issued drawings on site. Contractor is responsible for the correct setting out of the building on site with reference to the building line and boundaries. Contractor to take responsibility for all health and safety measures on site.

DRAWING TITLE:

MUNICIPAL SUBMISSION

PROJECT TITLE:

ADDITIONS AND ALTERATIONS ON **ERF 47, SUNRIDGE PARK** , PORT ELIZABETH FOR **Altus Fourie**

14 Aug 24
CLIENT SIGNATURE

BLACKHOUND
ARCHITECTURE & RENDERING
dewald@blackhoundenterprises.com
072 799 9597 | 072 418 6867
https://blackhoundenterprises.com
Unit 10, The Network, 19 Cactus Rd
Fairview, Port Elizabeth, 6070

14 Aug 24
PROFESSIONAL SIGNATURE

MUNICIPAL INFORMATION:

ERF NO:	**47, Sunridge Park**
ERF AREA:	1882.67 sqm
EXISTING AREA:	347 sqm
NEW AREA:	**46 sqm**
TOTAL AREA:	393 sqm
EX. COVERAGE:	307 sqm - 16.31%
NEW COVERAGE:	**46 sqm - 2.44%**
TOTAL COVERAGE:	353 sqm - 19%
NEW GARAGES:	0
NEW BATHROOMS:	1
POOL:	NO
BOUNDARY WALLS:	0 M
AGE OF BUILDING:	26

PROFESSIONAL ARCHITECTURAL TECHNOLOGIST
DEWALD MATHYS POTGIETER
South African Council for the Architectural Profession
11:21 am (Africa/Johannesburg) on 14 Aug 2024

PROJECT NO.: 2023_House Fourie
DRAWING NO.: 20240814_House Fourie_MS01
DRAWN BY: DMP
PRINT DATE: 14 Aug 2024
PAGE SIZE: A1
REVISION NO.: 00
SHEET NO.: 001