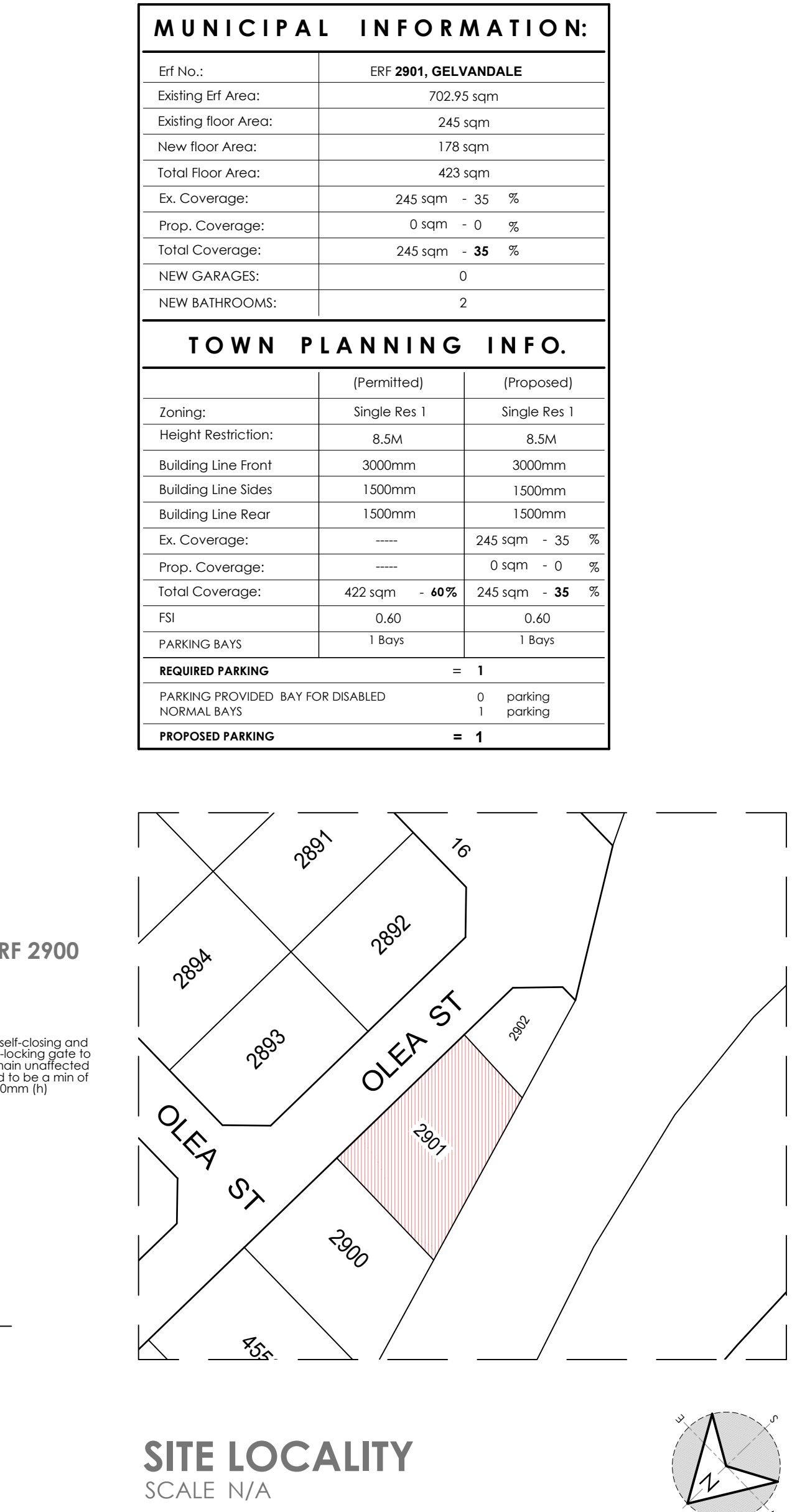




APPLICATION OF SANS 10400-XA (Ed.2)						
ZONE 4 - CLASSIFICATION H4 / Dwelling Houses						
		REQUIREMENTS	ACTUAL			STATUS
1	DESIGN	The orientation is in accordance with the requirements of 5.1	Building facing North/South with longest axis orientated East/West			In order
2	SHADING	The shading is in 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 S.4.1. Surface bed (Heated) S.4.2. Suspended (Exposed) R-value ≥ 1.00	Under slab (Heated):	mm	W/m.K	R-Val.
			Lambda board	000	0.024	0.00
			Total R-value:	Req. ≥ 1.0	0.00	N/A
			Suspended Floor (Exposed):	mm	W/m.K	R-Val.
Lambda board	000	0.024	0.00			
Total R-value:	Req. ≥ 1.0	0.00	N/A			
5	EXTERNAL WALLS Surface density $> 270\text{kg/m}^2$	The external walls are in accordance with the requirements of 5.5 (Table 6) Zone 4: 50mm Cavity wall: R-value ≥ 0.6	External wall:	mm	W/m.K	R-Val.
			Outer Air-film (1/20)	000	20	0.05
			15mm plaster	015	0.75	0.02
			110mm Brick	110	0.82	0.13
			Air-spaces	000	6.8	0.15
			Cavity (Lambda board)	000	0.024	0.00
			110mm Brick	110	0.82	0.13
			15mm plaster	15	0.75	0.02
			Inner Air-Film (1/9.4)	000	9.4	0.11
			Total R-value:	Req. ≥ 0.6	0.61	In order
6	ROOF & CEILING ASSEMBLY	The roof and ceiling assemblies are in accordance with the requirements of 5.6 Zone: Direction of Flow: UP 23" Tiled roof with horizontal ceiling	23" DUAL PITCH ROOF	mm	W/m.K	R-Val.
			Outer Air-film (1/20)	n/a	n/a	0.05
			Tiled roof	0.00	\$33.00	0.00
			Air-space & Sikafoam	n/a	n/a	0.51
			Isover Aerocell insulation	50.0	0.044	1.14
			Isover Aerocell insulation	75.0	0.04	1.88
			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	3.71	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 flange used 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 6113.			In order
8	HOT WATER Classification H4 - Dwelling house	The building hot water is in accordance with the requirements of 6.1 Persons per Bedroom: 2 Number of Bedrooms: 4 2 Persons per bedroom x 4 Number of bedrooms 8 Occupancy	Average annual hot water usage: Annual hot water consumption: 115 x 8 = 920 Lp/d	115	Lp/d	In order
			Stipulated 24hr hot water @ 60°C min:	50	Lp	
			Minimum solar hot water storage: ((50/1.5) x 8 = 600 Lp	600	Lp	
			Stipulated 24hr hot water @ 60°C min:	50	Lp	
			Minimum heat pump hot water storage: 50 x 8 = 400 Lp	400	Lp	In order
	PIPE INSULATION (hot water pipe)	Internal pipe diameter $\leq 80\text{mm}$: 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

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 rules and regulations and to ensure that all work is carried out by a qualified and registered participant in the construction industry as required by Construction Regulation 214. Drawings to be read in conjunction with the contract documents (Conditions and Safety by Site). All work to be done in accordance with the National Building Regulations SANS 10400. Before this drawing is issued, the contractor is to ensure that all work is in line with the site. All trade names quoted may only be drawn by a registered or approved contractor. All materials to be used must be of the same quality and standard as specified. All conduit work to be SABS approved quality. All light fittings to be fitted to comply with the relevant code of practice as required by SANS 10400. All work to be carried out in accordance with existing. This drawing is not to be scaled unless printed by H. Gouwens reader. All existing dimensions not to be scaled from this drawing. All dimensions to be checked on site. All dimensions to be reported to the designer immediately and clarified by the architect prior to commencement of work. Top of foundations of existing walls to be indicated on drawings. All buildings to be a minimum 100mm thick concrete surface slab as per Engineers drawings to be on 250 mci „gunpits“ use green dust on 50mm sand binding layer and on well compacted fill in layers not more than 150mm. SABS Approved 150mm x 75mm dc pipe under all walls, window cills and at changes in floor level. These architectural drawings to be read in conjunction with engineers drawings. All work to be carried out in accordance with the drawings to be carried out in accordance with the national building regulations. The contractor is responsible for all site visits by local authority. All work to be carried out in accordance with the drawings to be carried out in accordance with the national building regulations. All roof measurements to be taken from the top of the roof structure. All dimensions to be taken to be confirmed with architect prior to commencing. Levels shown are relative to a benchmark at 100.000 msl of new floor level. All dimensions to be taken from the center line of the roof. All 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 drawings on the construction site. Contractor to refer to the building line and boundaries. Contractor to take responsibility for all health and safety measures on site.

PROJECT TITLE:

ADDITIONS AND ALTERATIONS ON **ERF 2901, GELVANDALE** , PORT ELIZABETH FOR **Mr & Mrs Abader**

PROFESSIONAL SIGNATURE

MUNICIPAL INFORMATION:


PROFESSIONAL ARCHITECTURAL TECHNOLOGIST
DEWALD MATHYS POTGIETER
 17:17 pm (Africa/Johannesburg) on 26 Feb 2026

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