

ELECTRICAL LEGEND				WATER RETICULATION LEGEND			
	LED Downlighter as per client specification		Periscope plug as per specification.		50 Watt External LED Wall mounted spotlight		Hair dryer waterproof plug
	Single wall mounted light switch to be mounted at 1300mm above u/f.		Garage door ceiling mounted motor		13 Watt Internal compact Fluorescent Up Lighter (wall mounted) as per client		Main distribution board
	Double wall mounted light switch to be mounted at 1300mm above u/f.		TV point aerial		Starlings (wall mounted) as per client		Sub distribution board
	Triple wall mounted light switch to be mounted at 1300mm above u/f.		Shavers plug		LED Strip Lighting		Uninterruptible power supply
	2-way wall mounted light switch to be mounted at 1300mm above u/f.		Tallpoint		Pool light as per client		Sieve to be installed for future Fibre optic installations, sieve to be as per specialist.
	Watertight wall mounted light switch to be mounted at 1300mm above u/f.		Network point		Foot light		Single external water light switch to be mounted at 650mm above u/f.
	Dimmer wall mounted light switch to be mounted at 1300mm above u/f.		Stove isolator		Electrical fence control box.		
	Double wall mounted plug, top of socket to be 1250mm above u/f.		Gate Skirting		Gate Control Unit		
	Double wall mounted plug, top of socket to be 300mm above u/f.		2 x 18 W/ 1500 Long 2 tube fluorescent armature with prismatic diffuser suspended from ceiling.		Pre-paid Electricity meter		
	Double wall mounted watertight plug		5 Watt LED Down lighter as per specification		Daylight sensor		
	Extractor connection plug @ 2100mm		20 Watt Compacted Fluorescent pendant light as per specification		Intercom		
	Blank conduiting boxes		5 Watt x 2) Internal LED Wall mounted light		Intercom system.		
	Periscope plug as per specification.		10 Watt x 2) External LED Wall mounted light		Alarm		
							proposed cold water source point, plumber to tap into existing cold water pipes at this point
							municipal water connection and stopcock
							garden tap position
							Pressure release valve and non-return valve
							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
							external mounted heat pump as per specialist
							solar geyser on roof with geyser in the ceiling space as per specialist.
							shower head
							95mm flexible polyester blanket insulation to new geyser to achieve R-value of 2.00
							50mm flexible polyester insulation to all new hot water pipes to achieve R-value of 1

MUNICIPAL INFORMATION		
TOWN PLANNING	RES1	RES1
	Current	Submitted
ERF NO:	ERF 344	ERF 344
ZONING	RES1	RES1
HEIGHT RESTRICTION	Double Storey	Double Storey
BUILDING LINE FRONT	4000mm / 5000mm	4000mm / 5000mm
BUILDING LINE SIDES	1500mm / 2000mm	1500mm / 2000mm
BUILDING LINE REAR	3000mm	3000mm
EXISTING ERF AREA:	874 sqm	874 sqm
EXISTING AREA:	282 sqm	282 sqm
NEW AREA:	18 sqm	18 sqm
TOTAL AREA:	890 sqm	890 sqm
EXISTING COVERAGE:	140 sqm - 16%	140 sqm - 16%
NEW COVERAGE:	18 sqm - 2%	18 sqm - 2%
TOTAL COVERAGE:	158 sqm - 18% (70% max)	158 sqm - 18%
NEW GARAGES:	0	0
NEW BATHROOMS:	0	0
PARKING BAYS	1 Bays	1 Bays
FSI	TBC	0.34

TOWN PLANNING		
ERF 344, BLUE HORIZON BAY, PORT ELIZABETH		
ERF AREA 874 sqm		874 sqm
EXISTING COVERAGE @ 140 sqm	16.0%	140 sqm - 16%
PROPOSED NEW COVERAGE		158 sqm - 2%
TOTAL COVERAGE		168 sqm - 18%
FSI EXISTING - 282sqm / 874sqm		32%
PROPOSED NEW TOTAL FSI - 300sqm / 874sqm		0.34
FSI PERMITTED - n/a		N/A
PARKING REQUIRED		
Residential dwelling:		1 Parking

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 (Heated): <table><tr><td>mm</td><td>W/m.K</td><td>R-Val.</td></tr><tr><td>Lambdaboard</td><td>000</td><td>0,024</td><td>0,00</td></tr><tr><td>Total R-value:</td><td>Req. =>1.0</td><td>0.00</td><td></td></tr></table> Suspended Floor (Exposed): <table><tr><td>mm</td><td>W/m.K</td><td>R-Val.</td></tr><tr><td>Isover Aeroflite Insulation</td><td>000</td><td>0,044</td><td>0,00</td></tr><tr><td>Total R-value:</td><td>Req. =>1.0</td><td>0.00</td><td></td></tr></table>				mm	W/m.K	R-Val.	Lambdaboard	000	0,024	0,00	Total R-value:	Req. =>1.0	0.00		mm	W/m.K	R-Val.	Isover Aeroflite Insulation	000	0,044	0,00	Total R-value:	Req. =>1.0	0.00		N/A																	
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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: <table><tr><td>mm</td><td>W/m.K</td><td>R-Val.</td></tr><tr><td>Outer Air-film (1/20)</td><td>1000</td><td>20</td><td>0.05</td></tr><tr><td>10mm plaster</td><td>110</td><td>0.75</td><td>0.01</td></tr><tr><td>110mm Brick</td><td>110</td><td>0.82</td><td>0.13</td></tr><tr><td>Air-spaces</td><td>10000</td><td>6.8</td><td>0.15</td></tr><tr><td>Cavity (Lambdaboard)</td><td>040</td><td>0.024</td><td>1.67</td></tr><tr><td>110mm Brick</td><td>110</td><td>0.82</td><td>0.13</td></tr><tr><td>10mm plaster</td><td>10</td><td>0.75</td><td>0.01</td></tr><tr><td>Inner Air-Film (1/9.4)</td><td>1000</td><td>9.4</td><td>0.11</td></tr><tr><td>Total R-value:</td><td>Req. =>1.9</td><td>2.26</td><td></td></tr></table>				mm	W/m.K	R-Val.	Outer Air-film (1/20)	1000	20	0.05	10mm plaster	110	0.75	0.01	110mm Brick	110	0.82	0.13	Air-spaces	10000	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		In order
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6	ROOF & CEILING ASSEMBLY	The roof and ceiling assemblies are in accordance with the requirements of 5.6 Zone: Direction of Flow: 4 UP 20' Metal roof with Hatloot ceiling	20' PITCH ROOF <table><tr><td>mm</td><td>W/m.K</td><td>R-Val.</td></tr><tr><td>Outer Air-film (1/20)</td><td>n/a</td><td>n/a</td><td>0.05</td></tr><tr><td>Metal Roofing sheeting</td><td>0.00</td><td>53.00</td><td>0.00</td></tr><tr><td>Air-space & Slatation</td><td>n/a</td><td>n/a</td><td>0.51</td></tr><tr><td>Isover Aeroflite insulation</td><td>00.0</td><td>0.044</td><td>0.00</td></tr><tr><td>Isover Aeroflite insulation</td><td>135</td><td>0.04</td><td>3.38</td></tr><tr><td>Gypsum Ceiling</td><td>6.40</td><td>0.17</td><td>0.04</td></tr><tr><td>Inner Air-Film (1/11.0)</td><td>n/a</td><td>n/a</td><td>0.09</td></tr><tr><td>Total R-value:</td><td>Req. =>3.7</td><td>4.07</td><td></td></tr></table>				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 & Slatation	n/a	n/a	0.51	Isover Aeroflite insulation	00.0	0.044	0.00	Isover Aeroflite 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		In order				
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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	Hot water calculations: Not adding additional bedrooms. We are using the current.				N/A																																							
	PIPE INSULATION (hot water pipe)	Internal pipe diameter ≤ 80mm: Minimum R-value of 1.00	<table><tr><td>mm</td><td>W/m.K</td><td>R-Val.</td></tr><tr><td>Closed cell elastomeric thermal insulation</td><td>38</td><td>0.036</td><td>1.06</td></tr><tr><td>Total R-value:</td><td>Req. 1.0</td><td>1.06</td><td></td></tr></table>				mm	W/m.K	R-Val.	Closed cell elastomeric thermal insulation	38	0.036	1.06	Total R-value:	Req. 1.0	1.06		In order																												
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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																																							

[illegible]

GENERAL NOTES.

All dimensions are checked for compliance with construction standards. All dimensions are given in millimetres unless otherwise specified. Contractors to adhere to all local authority's requirements and regulations. Contractors must be a qualified and registered participant in the construction industry as required by Construction Regulation 2014. Drawings to be submitted to the relevant authority for approval (Health and Safety) file. All work to be done in accordance with the National Building Regulations SANS 10400. Before this drawing is issued, the contractor must be approved by the relevant authority with the site. All trade names quoted may only be substituted by similar, subject to architect's approval. All materials to be approved by the relevant authority. All work to be done in accordance with the SABS approved quality. All light fittings to be fitted to comply with the relevant code of practice as published by SABS 10400. All work to be done in accordance with existing. This drawing is not to be scaled unless printed by H. Gouws rendering. All existing dimensions not to be scaled from this drawing. All dimensions to be checked and verified and reported to the designer immediately and clarified by the designer. All construction to be in accordance with the regulations to be a minimum of 150mm below finished ground level. Minimum 100mm thick concrete surface made up per Engineers drawing. All work to be done in accordance with the relevant standard binding layer and on compacted fill in layers not more than 150mm. SABS approved 'gundie' 375 m² dpc under level. All work to be done in accordance with the relevant architectural drawings to be read in conjunction with engineers and consultants drawings, where applicable. All building work to be done in accordance with the relevant building regulations. The contractor is responsible for all site visits by local inspectors and pay of fees in connection therewith. All dimensions to be checked and verified by the relevant authority. The national building regulations. All room measurements to be taken on site by roof specialist prior to roof construction. All the layouts shown on the drawings with the exception of the dimensions shown are relative to a benchmark at 100.00 msl of new floor level. Not the actual level but a benchmark to base other dimensions on. The building shall be constructed in accordance with a full set of latest issued drawings on site. Contractor is responsible for the care and custody of the drawings on site referred to the building line and boundaries. Contractor to take responsibility for all health and safety measures on site.

DRAWING TITLE:

MUNICIPAL SUBMISSIONS

PROJECT TITLE:

ADDITIONS & ALTERATIONS ON ERF 344,
BLUE HORIZON BAY, PORT ELIZABETH
FOR Mr & Mrs Wilson

.....

bh **BLACKHOUND**
ARCHITECTURE & RENDERING

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[Signature]

23 Aug 23

PROFESSIONAL SIGNATURE

MUNICIPAL INFORMATION.

ERF NO.:	344, Blue Horizon Bay
ERF AREA:	874 sqm
EXISTING AREA:	282 sqm
NEW AREA:	18 sqm
TOTAL AREA:	300 sqm
EX. COVERAGE:	140 sqm - 16%
NEW COVERAGE:	18 sqm - 2%
TOTAL COVERAGE:	158 sqm - 18%
NEW GARAGES:	0
NEW BATHROOMS:	0
POOL:	NO
BOUNDARY WALLS:	18 M
AGE OF BUILDING:	28

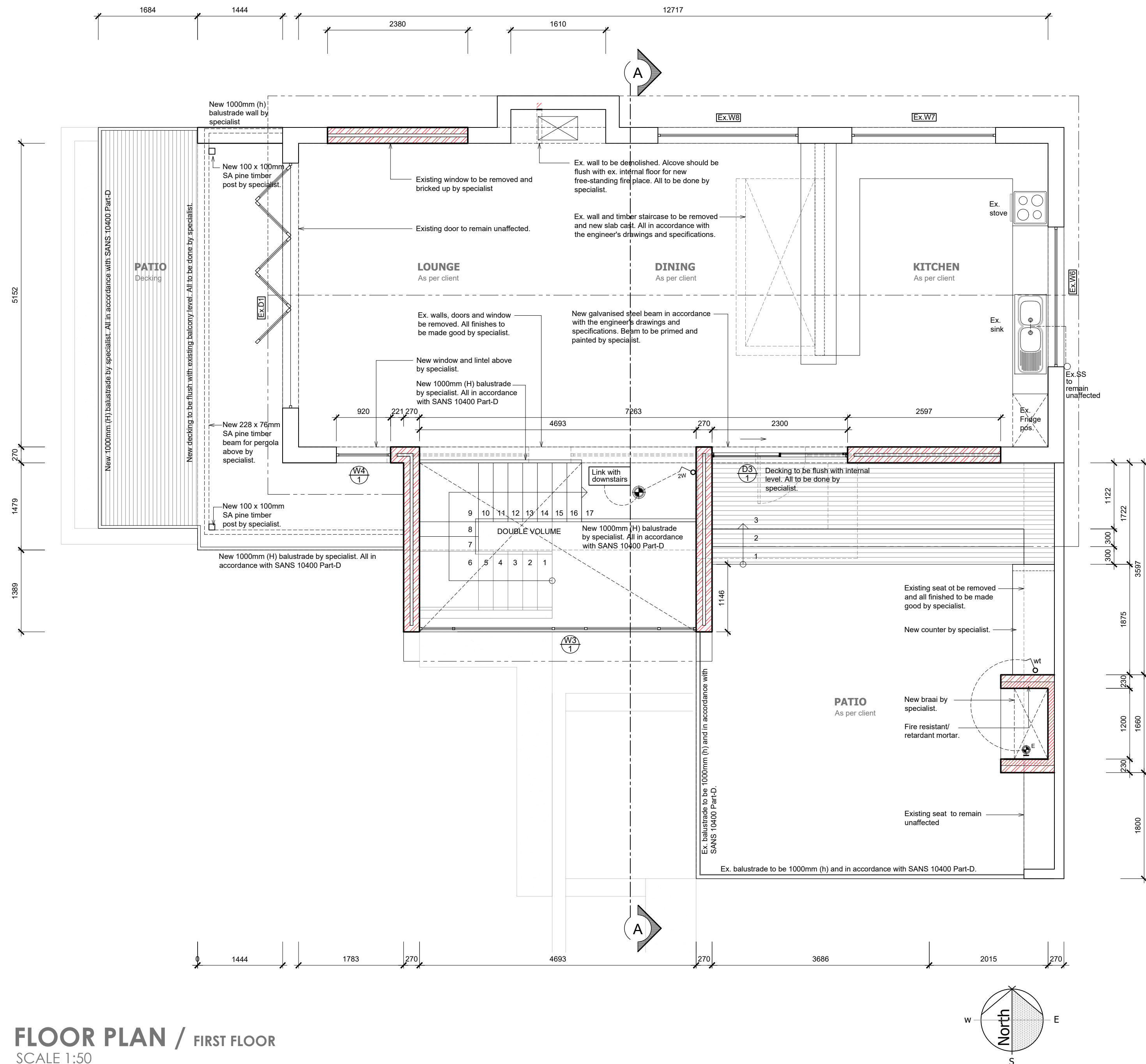

PROFESSIONAL ARCHITECTURAL TECHNOLOGIST
DEWALD MATHEYS POTGIETER
 11:09 am (Africa/Johannesburg) on 23 Aug 2023

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FLOOR PLAN / FIRST FLOOR
SCALE 1:50