

**Envelope Requirements as per SANS 10400-XA**

CLIMATIC ZONE: H4 Dwelling House

SANS 204 Orientation: Living spaces face as near possible to North - Does Not Comply. Main axis aligned as near possible to East West - Does Not Comply.

**New Door Schedule - for this drawing**

Door No.	Location	Material	Finish	Notes
D01	Living Room	12mm hollow core block with 15mm plaster	White	

**New Window Schedule - for this drawing**

Window No.	Location	Material	Finish	Notes
W08	Living Room	12mm hollow core block with 15mm plaster	White	
W12	Living Room	12mm hollow core block with 15mm plaster	White	
W11	Living Room	12mm hollow core block with 15mm plaster	White	
W09	Living Room	12mm hollow core block with 15mm plaster	White	
W10	Living Room	12mm hollow core block with 15mm plaster	White	

**Room Schedule**

Room No.	Room Name	Area (m²)	Volume (m³)
R01	Living Room	12.5	25.0
R02	Bedroom	10.0	20.0
R03	Bedroom	10.0	20.0
R04	Bathroom	5.0	10.0
R05	Kitchen	8.0	16.0
R06	Study	6.0	12.0
R07	Lounge	12.0	24.0
R08	TV Lounge	6.0	12.0
R09	En-Suite	4.0	8.0
R10	Bath	4.0	8.0
R11	W.C.	2.0	4.0
R12	Ex. Kitchen	8.0	16.0
R13	Ex. Main Bed	12.0	24.0
R14	Ex. Bath	4.0	8.0
R15	Ex. TV Lounge	6.0	12.0
R16	Ex. Study	6.0	12.0
R17	Ex. Lounge	12.0	24.0
R18	Ex. En-Suite	4.0	8.0
R19	Ex. Bath	4.0	8.0
R20	Ex. W.C.	2.0	4.0

**Walls**

External Wall Type and Construction: Masonry Vials

Proposed: 140mm hollow performance as per concrete block with 12mm int. & SANS10400XA-4.4.3.2 15mm ext. plaster

Wall achieves: Achieved Performance

Masonry Vialing DOES COMPLY with SANS10400-XA. Non Masonry Vialing (NOT APPLICABLE) with SANS10400-XA (SANS204 4.3.2.2)

**FLOOR**

Slab on ground: 100mm concrete on compacted subgrade

Slab on wall: 100mm concrete on compacted subgrade

Floor design DOES COMPLY with the requirements of SANS 10400-XA. Further justification IS NOT required.

**Roof**

Requirements: min total R-Value (m2.K/W) 2.7, Direction of Flow Down

Construction: Unventilated clay tile

Performance: 0.03, 0.02, 0.46, 0.06, 0.16, 0.73 m2.K/W

Construction Total: 1.69

Board min 60mm

Roof Build-up Total: 2.7 (m2.K/W)

**FENESTRATION LGF**

First Floor: 7.93 m2

Ground Floor: 6.72 m2

Total: 14.65 m2

Percentage: 10.63%

**FENESTRATION GF**

Ground Floor: 0 m2

Total: 0 m2

Percentage: 0%

**HOT WATER SERVICES**

Hot Water Services DOES COMPLY with the requirements of SANS 10400-XA. Further justification IS NOT required.

**Lighting**

Lighting DOES COMPLY with the requirements of SANS 10400-XA. Further justification IS NOT required.

**Existing Windows**

Existing windows in affected areas included in SANS 10400-XA Calculation

**Finishes Schedule**

Floor	Room	Material/Product	Finish	Notes
F01	Living Room	Polystyrene Panel	Client Spec.	
F02	Bedroom	Polystyrene Panel	Client Spec.	
F03	Bathroom	Polystyrene Panel	Client Spec.	
F04	Kitchen	Polystyrene Panel	Client Spec.	
F05	Study	Polystyrene Panel	Client Spec.	
F06	Lounge	Polystyrene Panel	Client Spec.	
F07	TV Lounge	Polystyrene Panel	Client Spec.	
F08	En-Suite	Polystyrene Panel	Client Spec.	
F09	Bath	Polystyrene Panel	Client Spec.	
F10	W.C.	Polystyrene Panel	Client Spec.	
F11	Ex. Kitchen	Polystyrene Panel	Client Spec.	
F12	Ex. Main Bed	Polystyrene Panel	Client Spec.	
F13	Ex. Bath	Polystyrene Panel	Client Spec.	
F14	Ex. TV Lounge	Polystyrene Panel	Client Spec.	
F15	Ex. Study	Polystyrene Panel	Client Spec.	
F16	Ex. Lounge	Polystyrene Panel	Client Spec.	
F17	Ex. En-Suite	Polystyrene Panel	Client Spec.	
F18	Ex. Bath	Polystyrene Panel	Client Spec.	
F19	Ex. W.C.	Polystyrene Panel	Client Spec.	

**Consent Signature**

Name	Address	Contact Number	Signature

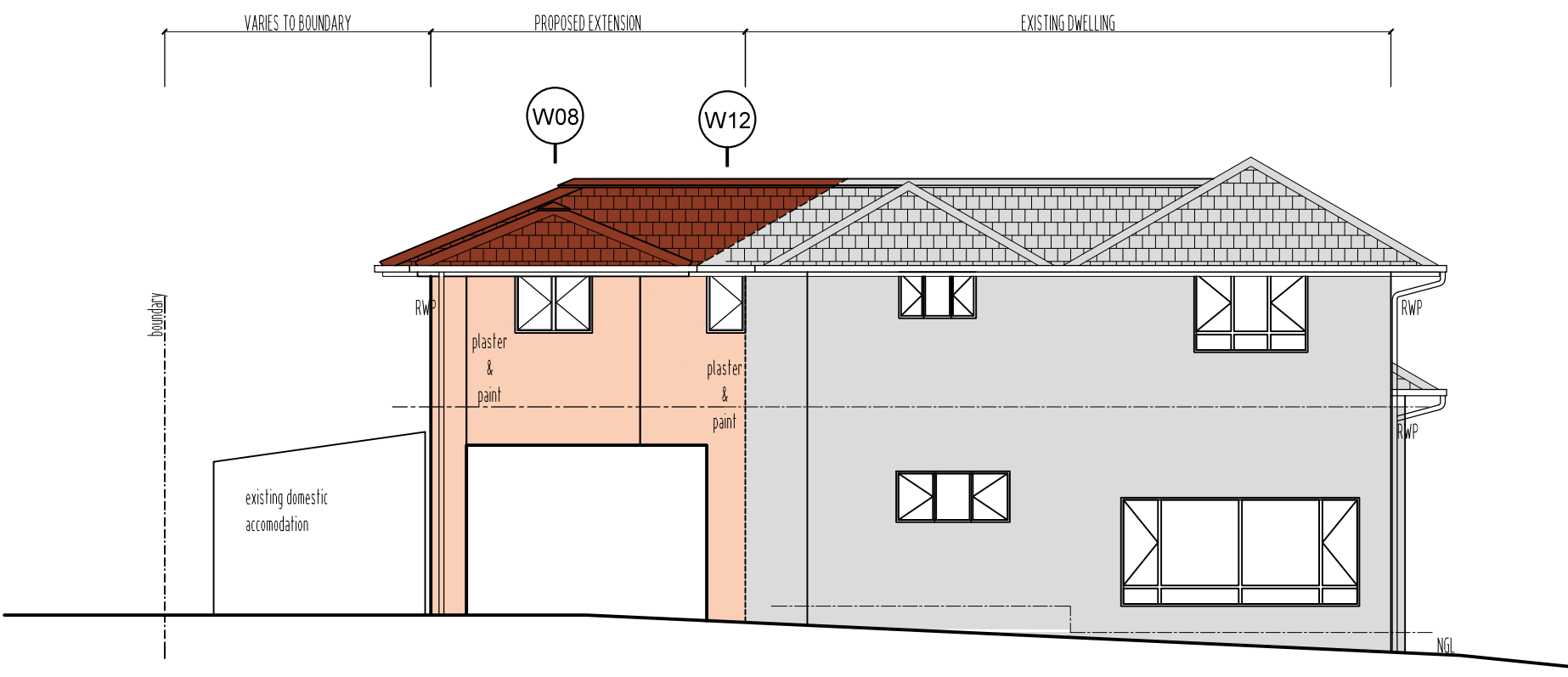
**Notes**

Use figured dimensions and notes information.

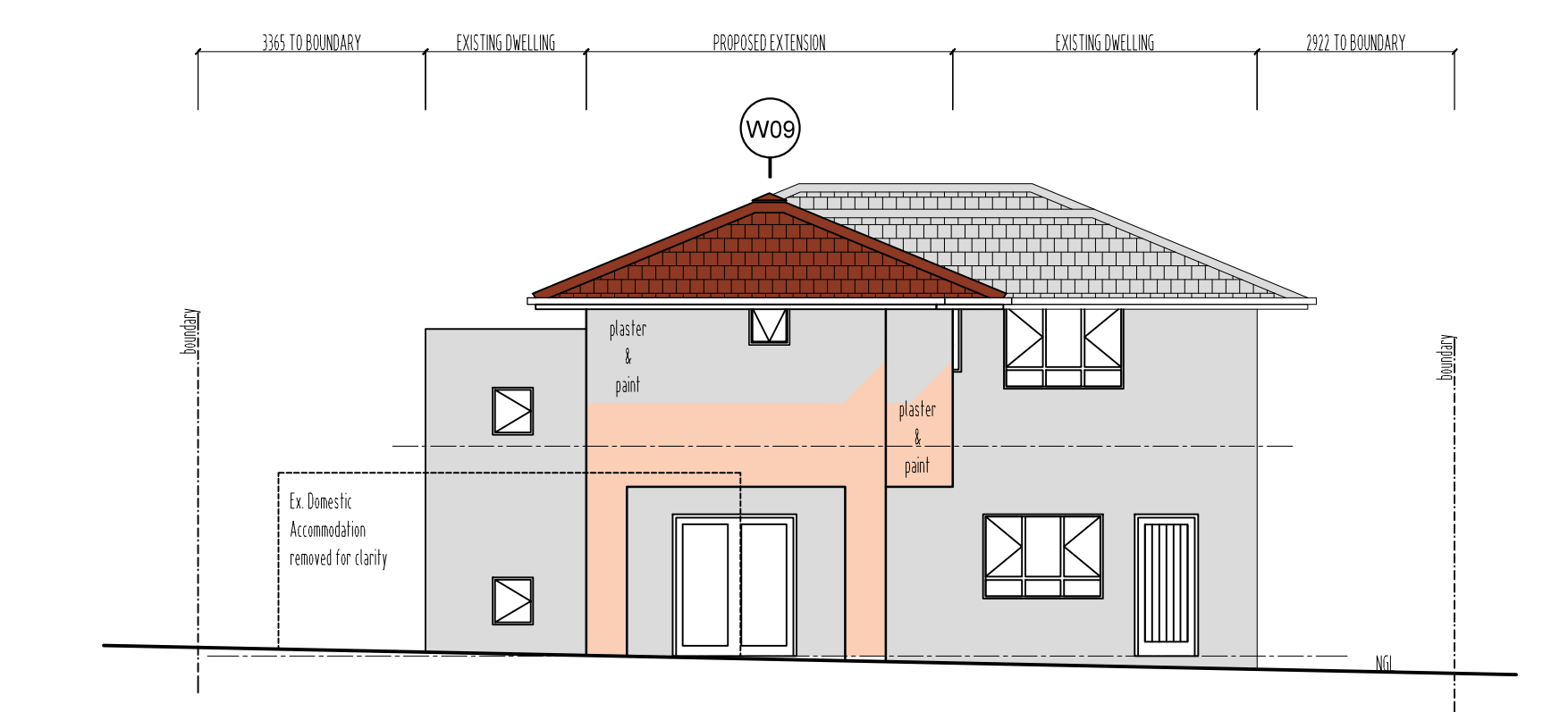
DO NOT SCALE FROM THIS DRAWING.

These drawings are the intellectual property of the drafter and are to be used for the project only. All measurements are METRIC and in millimeters (mm) unless clearly identified otherwise.

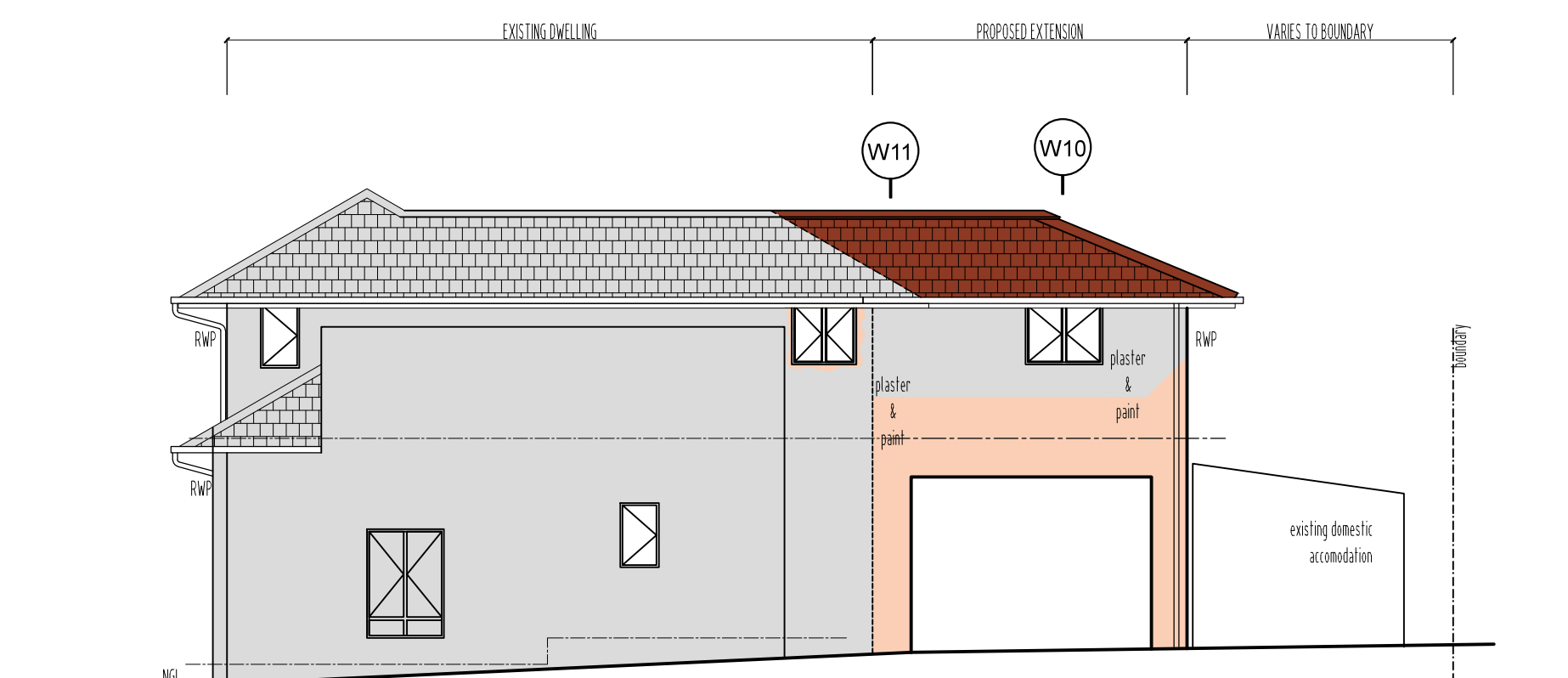
Levels are referred to datum levels shown on drawings and only relevant to ordinate survey levels unless clearly identified otherwise.



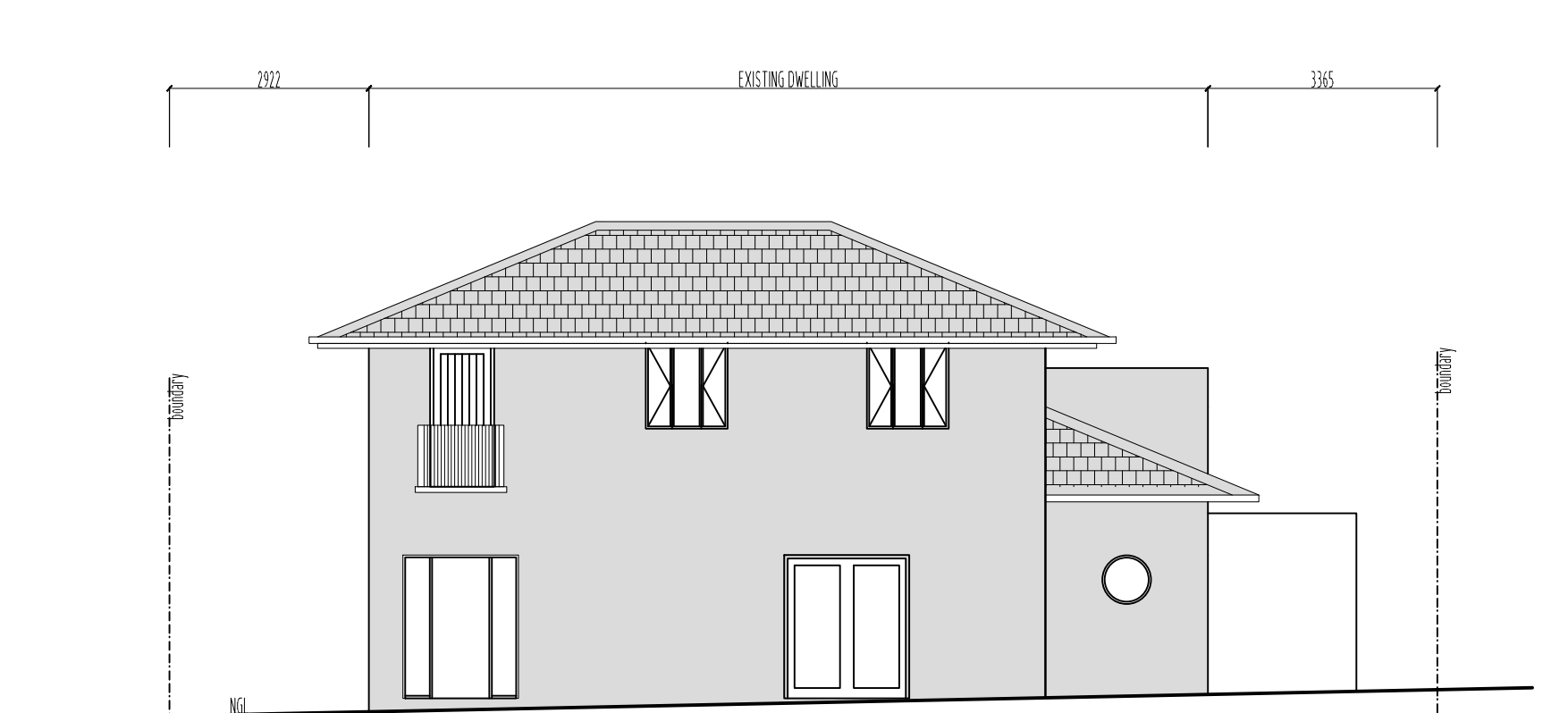
**SOUTH SOUTH WEST ELEVATION 1:100**



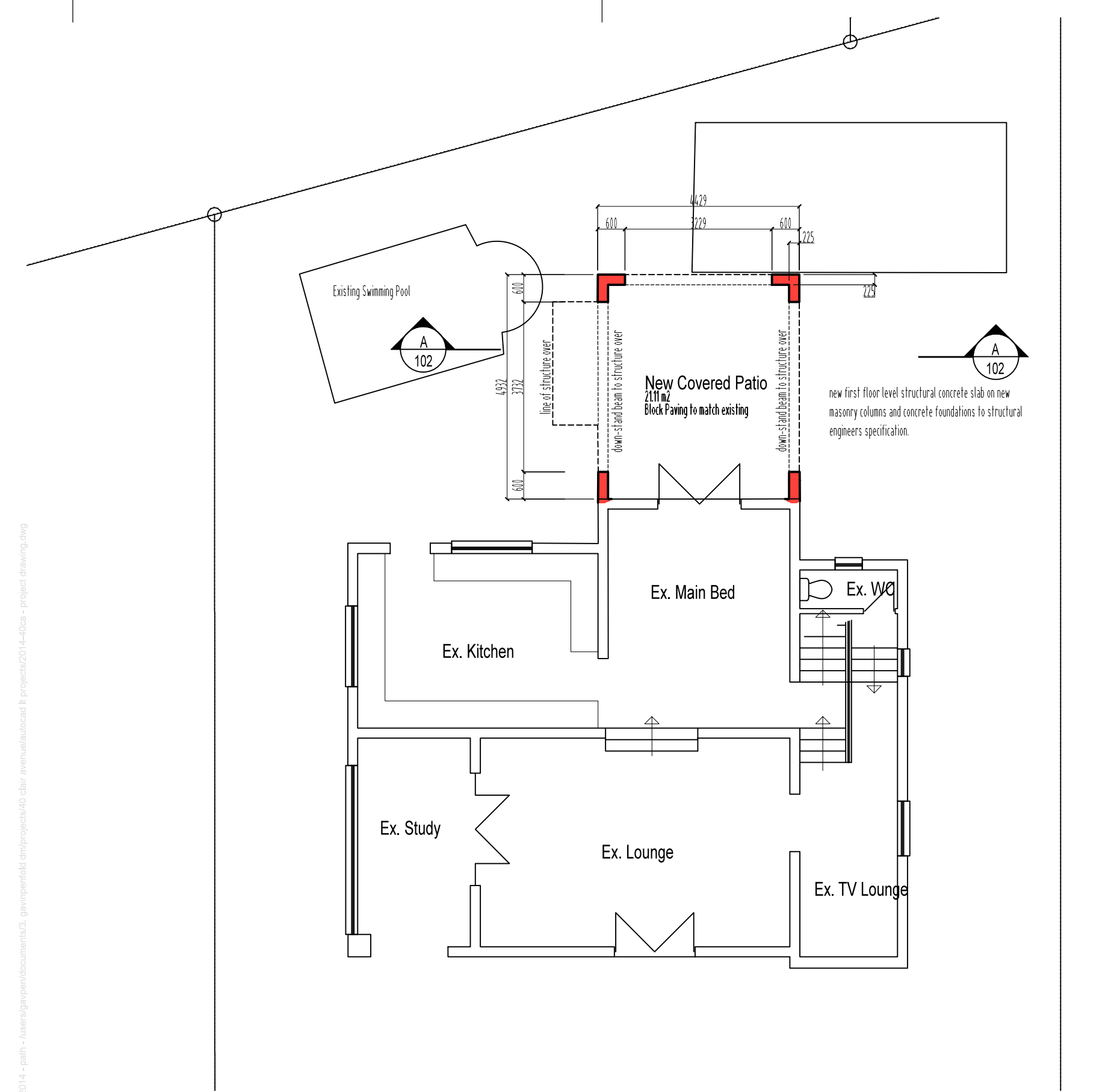
**WEST NORTH WEST ELEVATION (SECTION D-D) 1:100**



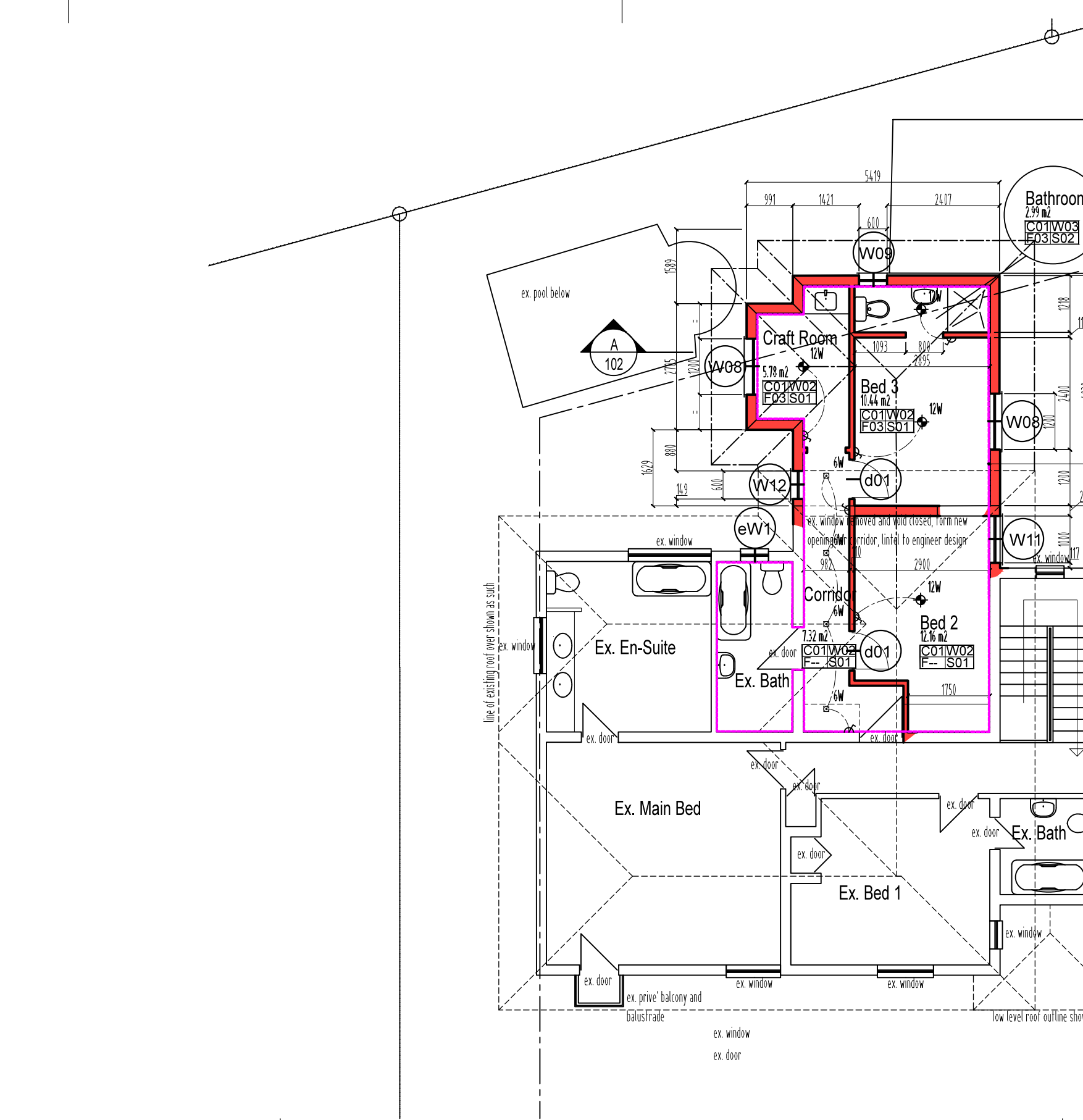
**NORTH NORTH EAST ELEVATION 1:100**



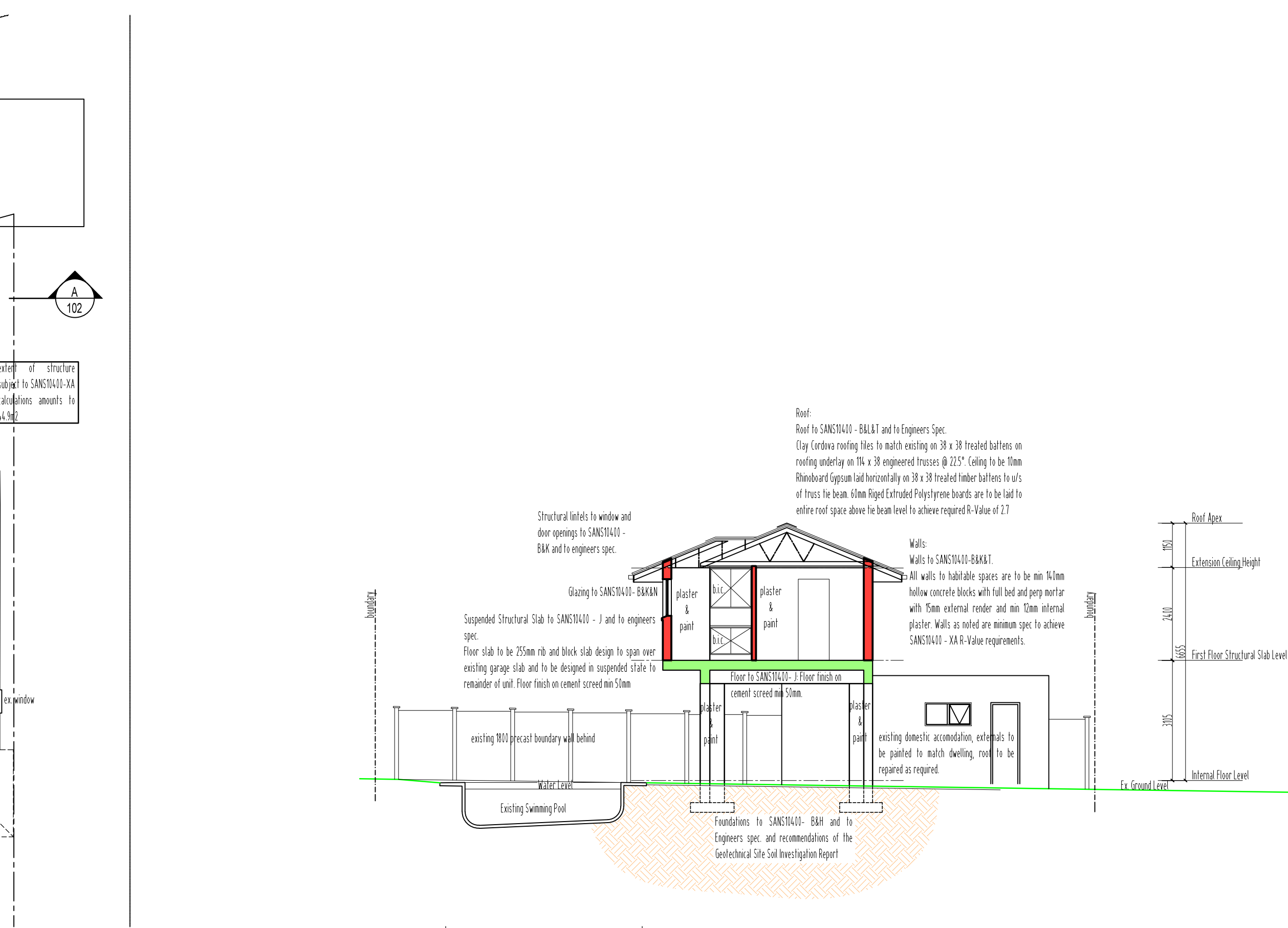
**NORTH NORTH EAST ELEVATION 1:100**



**ALTERATION GROUND FLOOR PLAN 1:100**



**ALTERATION FIRST FLOOR PLAN 1:100**



**SECTION A-A 1:100**

**Notes**

No In-slab Heating Systems or Mechanical Ventilation System

All schedules refer to this sheet only.

Fenestration air infiltration to comply with SANS 813

Glass and Glazing (including Shower Enclosures) to comply with SANS10400 - N

All plumbing and drainage works and installation of sanitary fittings to comply with relevant local Authority By-Laws and Regulations. Provide IE's to all bends and junctions with suitable markers at ground level. Provide resale traps to all waste fittings, it's to be accessible. 100mm diameter uPVC min fall 1:60. 50mm min Diameter uPVC to showers with 40mm min Diameter to sinks and wash hand basins.

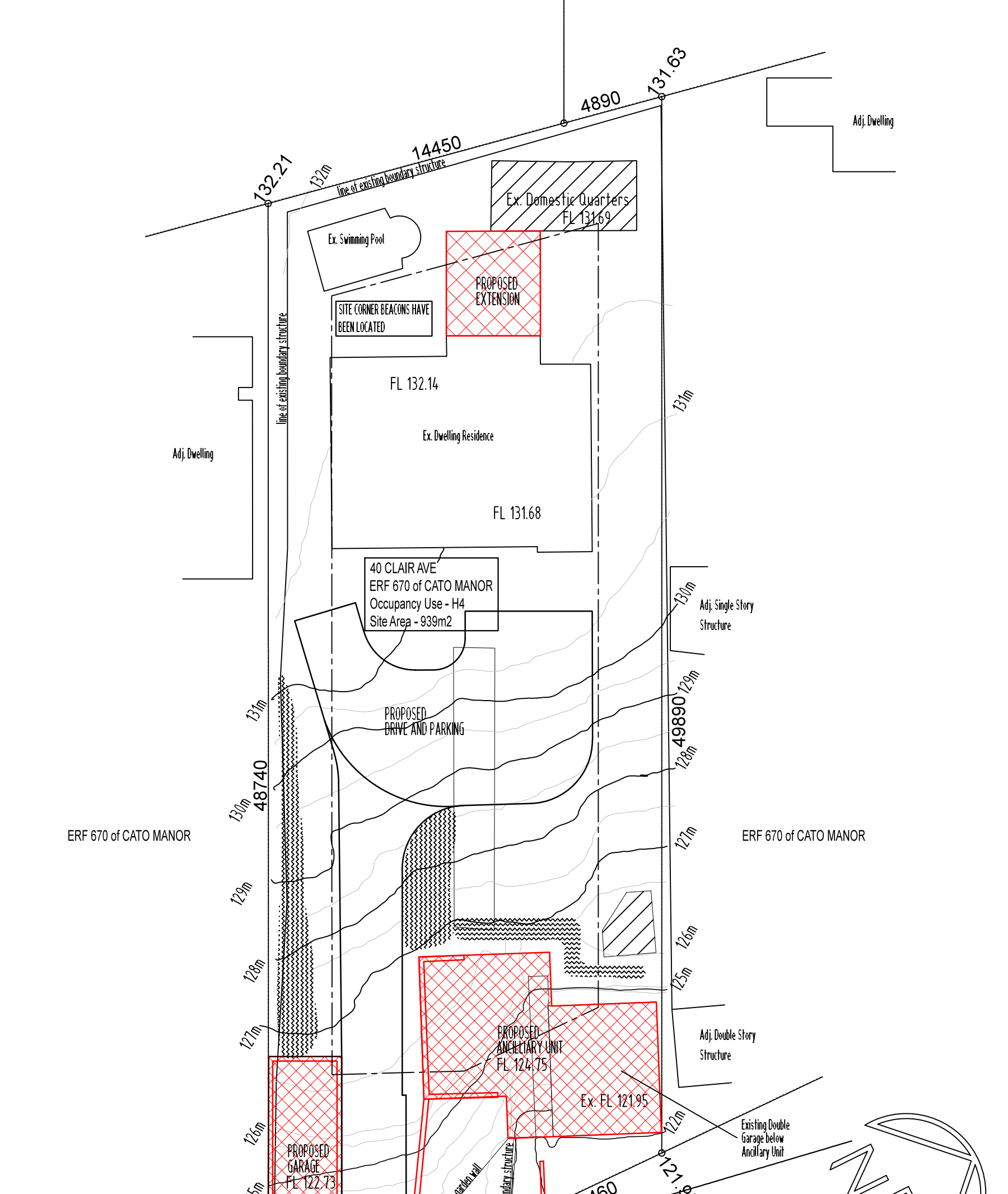
All Hot Water Pipes are to be clad with insulation (Min R-Value to SANS 10400-XA) thermal insulation to be installed to manufacturers specification.

Pipe Internal Diameter	Pipe Insulation Min R-Value	Insulation Type	R-Value
<80mm	1	Isover glasswool	1
>80mm	1.5	Spiral Wrap Fibreglass	1.6
		Foam Insulation Min 9.5mm Wall	2

**Notes**

Hot Water Services DOES COMPLY with the requirements of SANS 10400-XA. Further justification IS NOT required.

Lighting DOES COMPLY with the requirements of SANS 10400-XA. Further justification IS NOT required.



**PROPOSED SITE PLAN 1:200**

**Schedule of Areas**

Item	Area (m²)
Proposed Additional Build Area	16.21
Existing Build Area	251.51
Total Build Area	267.72
Site Area	939.21
Zone SPECIAL RESIDENTIAL W01	
Floor Area Ratio (FAR)	0.28
Coverage Allowance %	4.5%
Coverage Allowance (m²)	375.5
Existing Coverage (%)	26.78 %
Existing Coverage (m²)	251.51
Proposed New Coverage	16.21
Total Proposed Coverage	267.72
Coverage In Hand (m²)	231.51
Coverage In Hand (%)	29.7 %
Existing Off Road Parking Bays	2
Proposed New Off Road Parking Bays	1
Total Proposed Off Road Parking Bays	3
Auxiliary Unit Area Allowed	86 m²
Auxiliary Unit Area Proposed	76.75 m²

**APPLICANTS SIGNATURE** \_\_\_\_\_ **DATE** \_\_\_\_\_

**Issue for AMAFA APPROVAL**

Drawing to be read in conjunction with the following drawings GA/A/101A

Client: Mr and Mrs Elerik Rates No: 56992037  
 Tel No: 079 520 2878  
 DR TITLE: HOUSE EXTENSION AND EXTERNAL WORKS  
 PLAN, SITE PLAN, ELEVATIONS, SECTIONS AND SCHEDULES

GP DM Group Pty Ltd  
 3 Balfour, 121 Brand Rd  
 Durban, 4011  
 Date: 22/02/2014 Scale: N/A  
 Proj No: 2014402A STATUS: APPROVAL

Dr No: GAA/102 Rev: A