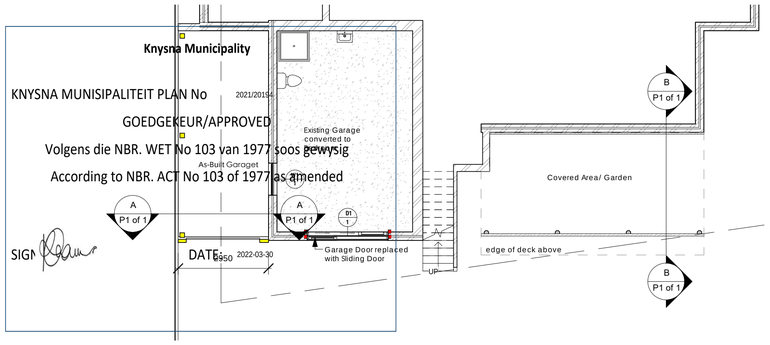



## Garage/ Bedroom Floor Plan

1 : 100

| Client Name : | Jacque Bloemhof | Address : | Syringa St, Heuwelkruin, Knysna | ERF No. | 3945 |
|---|---|---|---|---|---|
| CLIMATIC ZONE: 4 Temperate Coastal | Nett Floor Area - m² | 28.70 m² | CONDUCTANCE (CU) Allowable: nett floor area x U | SOLAR HEAT GAIN (SHGC) | |
| CONSTANTS: | | | PERFORMANCE VALUES | Allowable Solar Heat Gain: (Nett floor area x CSHGC) | |
| CONDUCTANCE (Cu): (Floor area x 1.4) | Floor m²: 28.7 | 1.40 | 40.18 | Timber, PVC or Aluminium Thermal Break Framing | |
| SOLAR HEAT GAIN COEFFICIENT (SHGC)(Shgc):Floor area x 0.13) | 28.7 | 0.13 | 3.731 | | |

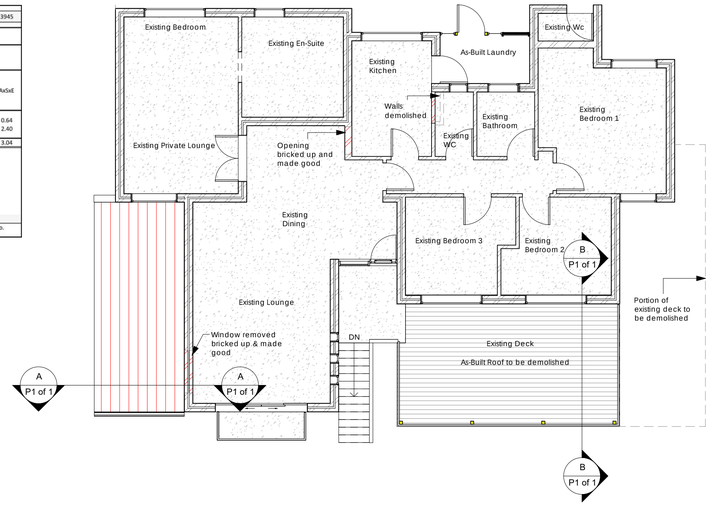
| Room Name | Window or Door No. | Window Catalogue No. | Window Dimensions (W x H) | | Window Area (m²) | Glass Description | Total U-Value | Total SHGC | Conductance (U x Un) | Horizontal Projection (P) | Vertical Height (H) | P/H | SHGC Value of Glazing (G) | Orientation | Solar Exposure (E) | AxSxE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Garage converted to Bedroom | 1 | W1 | 1.04 | 0.93 | 0.97 | Single - Clear | 5.60 | 0.77 | 5.42 | 0.14 | 0.93 | 0.15 | 0.77 | South West | 0.86 | 0.64 |
| Garage converted to Bedroom | 1 | D1 | 2.60 | 2.10 | 5.46 | Single - Clear | 5.60 | 0.77 | 30.58 | 0.94 | 2.55 | 0.37 | 0.77 | South East | 0.57 | 2.40 |
| | | | | | | TOTALS | 11.20 | 1.54 | 35.99 | | | | | | | 3.04 |

| | | | | | |
|---|---|---|---|---|---|
| TOTAL GLAZING AREA (m²) = | 6.43 | | | | |
| TOTAL FLOOR AREA (m²) = | 28.70 | | | | |
| TOTL ALLOWED GLAZING AREA (m²) = | 4.31 | | | | |
| PERMISSABLE % WINDOW/FLOOR AREA = | 15.00% | PERMISSIBLE CONDUCTANCE = | 40.18 | TOTAL CONDUCTANCE = 35.99 | COMPLIES |
| ACTUAL % WINDOW/FLOOR AREA = | 22.39% | PERMISSIBLE SHGC = | 3.73 | TOTAL SHGC = 3.04 | COMPLIES |

Sheldon van Onselen — Prepared By (Name)

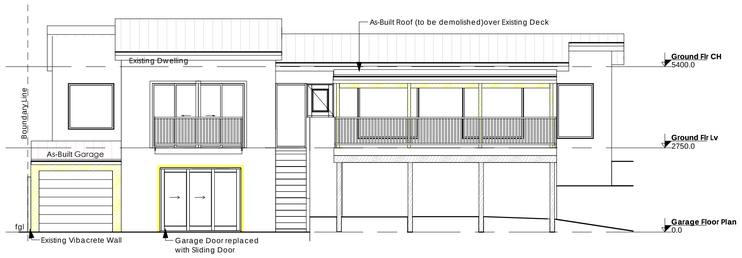
Signature

PAD41217798 — SACAP Registration No.



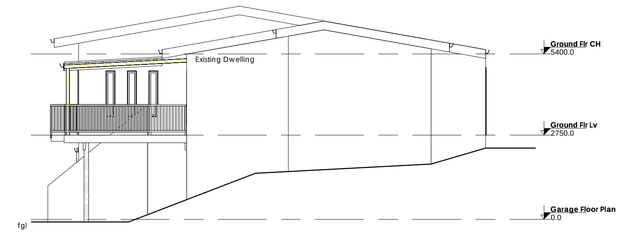

## Ground Floor Plan

1 : 100




## South East Elevation

1 : 100



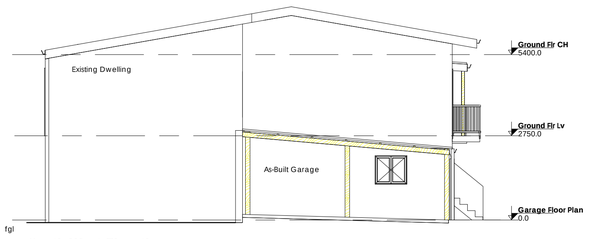

## North East Elevation

1 : 100



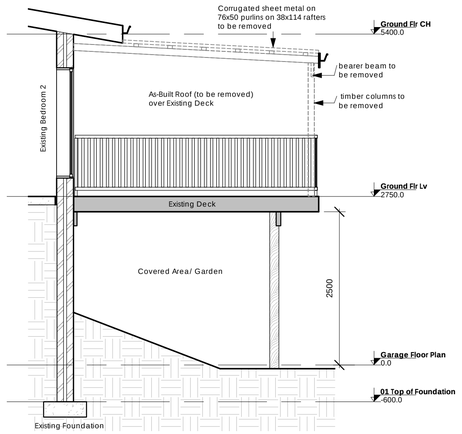

## North West Elevation

1 : 100



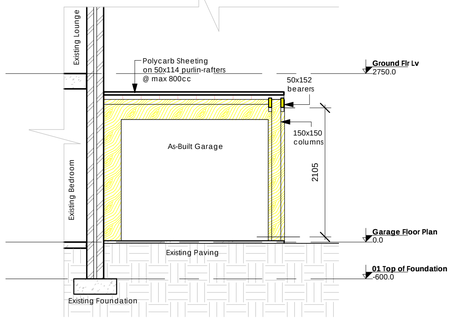

## South West Elevation

1 : 100



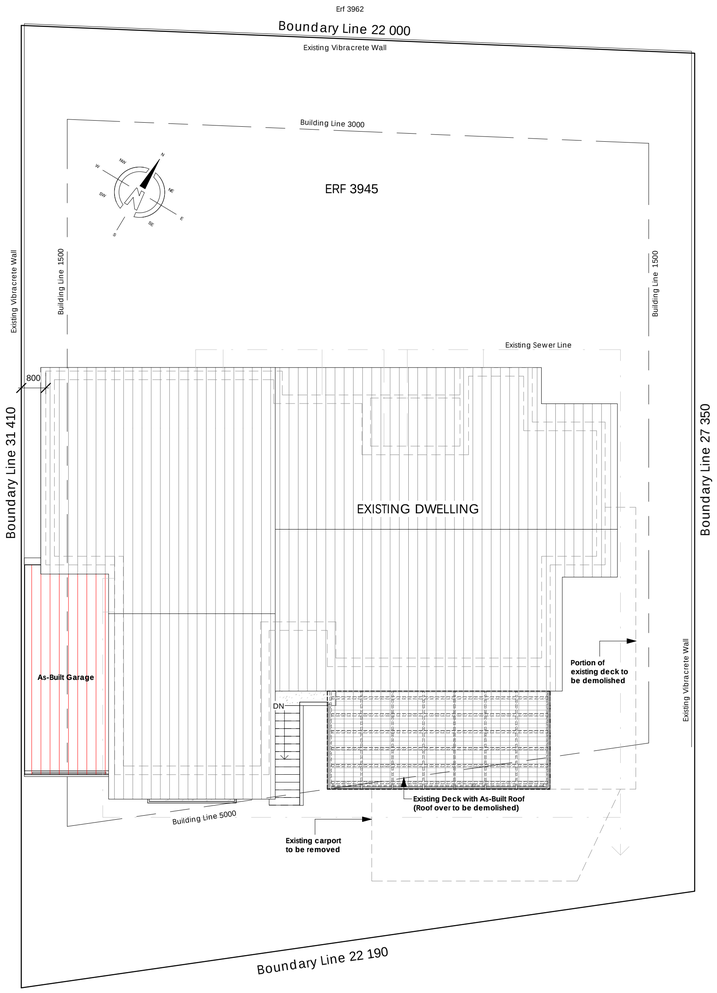

## Section B

1 : 50




## Section A

1 : 50




## Site Plan

1 : 100

This is a CAD generated drawing. Figured dimensions have preference over scaled dimensions and large scaled drawings supercede small scaled drawings.

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**CONTRACTORS NOTE:**
These drawings are issued on the understanding that competent and experienced builders will use them. Contractor is to verify and check all levels and boundary pegs on site, and check the same against drawings before putting work in hand. Any errors, against drawings before putting work in hand. Any errors, discrepancies and omissions to be reported to the Architect/draughtsman immediately. All work and levels to be Architect/draughtsman immediately. All work and levels to be strictly in accordance with SABS 0400 requirements and Council regulations. No work to encroach site boundaries. Site is to be kept neat and all unnecessary rubble to be moved off site timeously. Levels of adjacent site are to be re-instated where disturbed after completion of work.

**OCCUPANCY CLASS: H4 - DWELLING HOUSE**

**ZONING: RESIDENTIAL 1**

| AREAS & COVERAGE | |
|---|---|
| **STRUCTURE** | **AREA** |
| **EXISTING AREAS** | |
| Ground Floor Plan | 172.30 m² |
| Garage Floor Plan | 35.90 m² |
| **Total Existing** | **208.20** m² |
| **NEW AREAS** | |
| As-Built **Garage** | 20.20 m² |
| **EXISTING COVERAGE** | |
| Dwelling | 174.60 m² |
| Timber Deck | 29.10 m² |
| **Total Existing** | **203.70 m²** |
| **NEW COVERAGE** | |
| As-Built Carport | 20.20 m² |
| Existing coverage | 203.70 m² |
| New Coverage | 20.20 m² |
| **TOTAL COVERAGE** | 223.90 m² |
| Site Area | 650 m² |
| Coverage Percentage | 34.45 % |

Sheldon van Onselen
Arch. Drght.
Reg. No. PAD41217798

PLANS R US
ARCHITECTURAL SERVICES

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Email: sheldon@plansrus.co.za

| | | | |
|---|---|---|---|
| SHEET NAME: Site & Floor Plans, Elevations, Sections | | | |
| PURPOSE OF ISSUE: Submission | | | |
| PROJECT DETAILS: House Bloemhof<br>Erf 3945<br>Syringa St<br>Heuwelkruin<br>Knysna | | | |
| CLIENT DETAILS: Jacque Bloemhof<br>Erf 3945<br>Syringa St<br>Heuwelkruin<br>Knysna | | | |
| Scale | As shown | Drawn | FS/SvO |
| Date | 02/03/2021 | Checked | SvO |
| Project Number | | Drawing No. | |
| Kny 181 | | P1 of 1 | |
| Client's Signature | | Revision | 1 |
| Print Size: | | | |
| Note: | | | |