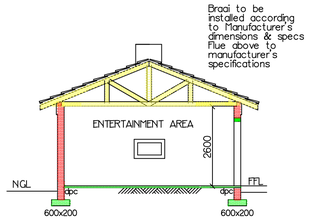
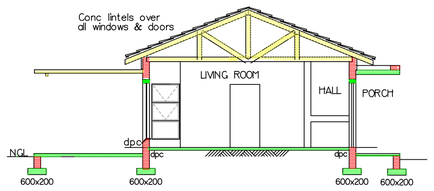
ROOF NOTES

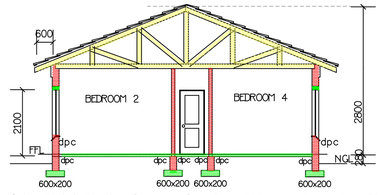
Conc roof tiles at pitch 22° to SANS 542
Battens 38 x 38 SANS timber @380 cts
Trusses to be at 760mm cts max
Wood SANS 1245; 1460 & 1783
Trusses to be pre-fabricated to SANS 10163 & 10243
2 x No4 wire ties built 6 courses into brickwork to SANS 1273
Waterproofing to specialists detail
Reflective foil under roof tiles : SANS 1381-4 Class B. if one surface reflective,install face down
Flashing : metal / reinforced liquid membrane
30mm Lambdaboard Ceilings - skimmed
Required R-Value / thickness to SANS 204
Fire resistance to SANS 10177 30mins
Structural performance : to safely support anticipated loads : ie luminaries,smoke detectors,wind loads
Roofing to be under the guidance of Specialist



SECTION C - C
Scale 1:100

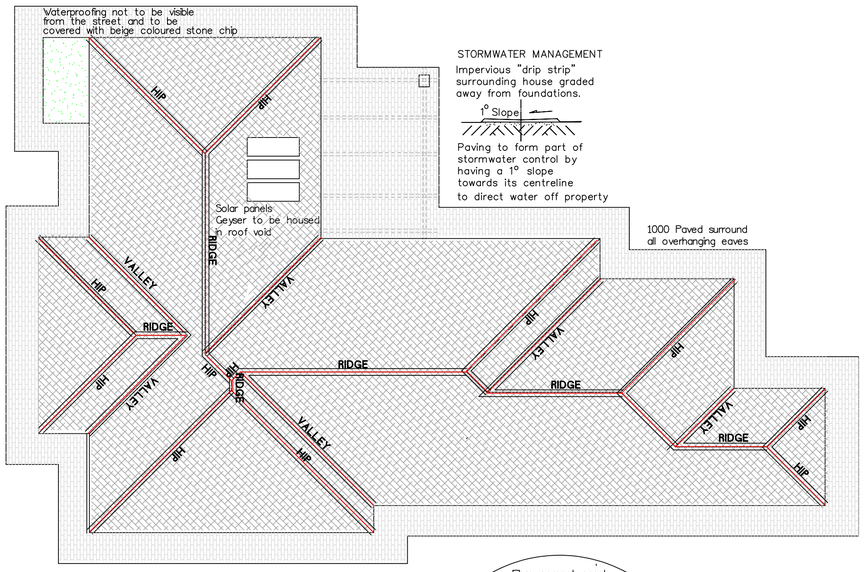


SECTION B-B
Scale 1:100

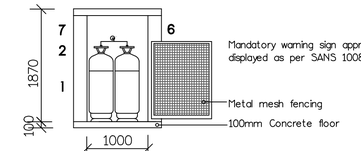


SECTION A - A
Scale 1:100

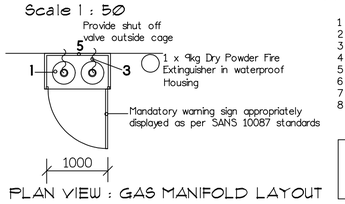
25mm thick cement screed on 75mm thick concrete bed on hardcore filing compacted in layers of 150mm thick RC slab by engineer and approved filing by enginer / alternatively raft slab
Foundation size to Engineer's detail



ROOF LAYOUT
Scale: 100



FRONT ELEVATION OF GAS MANIFOLD CAGE
Scale 1 : 50

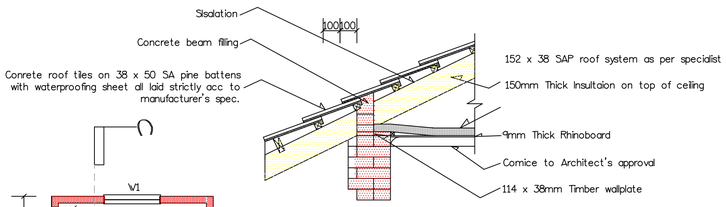


PLAN VIEW : GAS MANIFOLD LAYOUT
Scale 1 : 50

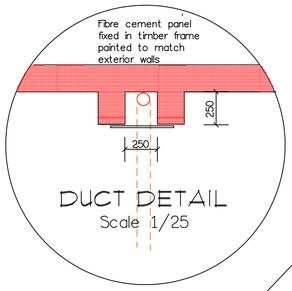
1 48kg LPG Cylinder
2 48kg LPG Cylinder Valve
3 Vapour Hoses
4 15mm Copper Class 1 Vapour Gas Pipeline
5 Shut off Valve
6 First stage regulator
7 Pressure Gauge
8 Second Stage Regulator (Required)

Key

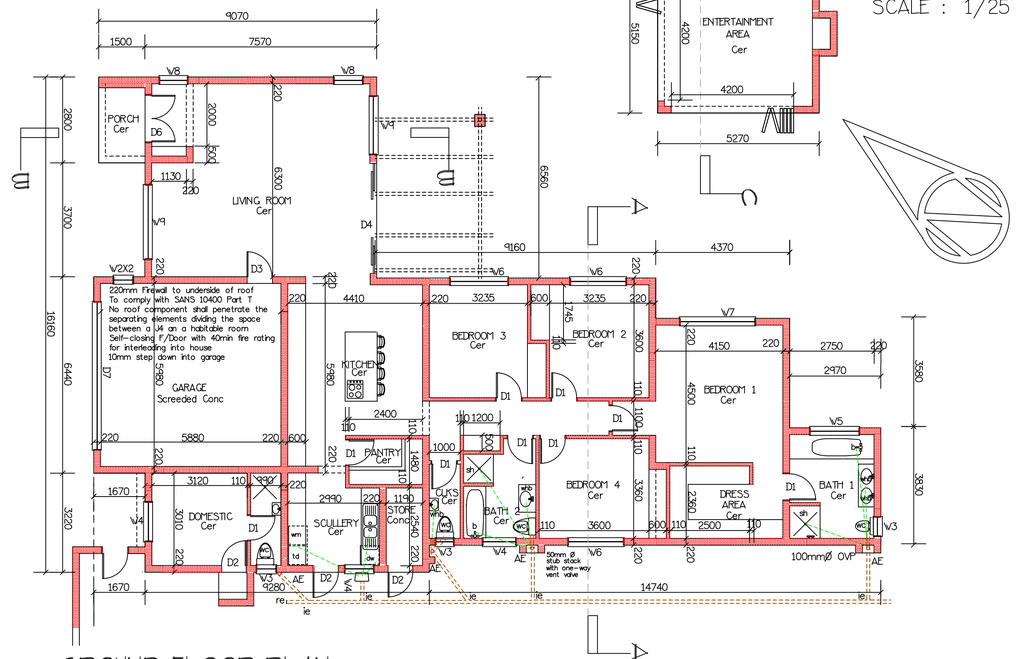
- Isolation Valve
- Low Pressure Regulator



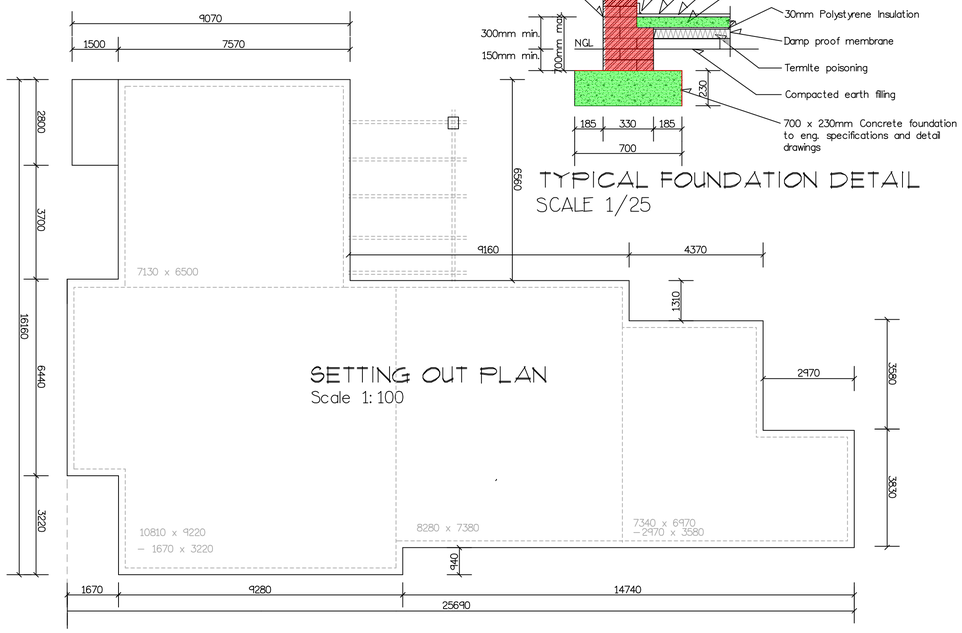
TYPICAL ROOF DETAIL
SCALE : 1/25



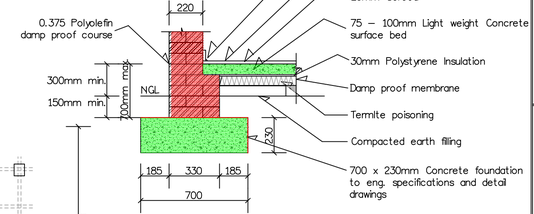
DUCT DETAIL
Scale 1/25



GROUND FLOOR PLAN
Scale 1: 100



SETTING OUT PLAN
Scale 1:100



TYPICAL FOUNDATION DETAIL
SCALE 1/25

HOT WATER SERVICES

4.5.2.1 A minimum of 50% by volume of the annual average hot water heating requirement shall be provided by means other than electrical resistance heating, including but not limited to solar heating, heating, heat pumps, heat recovery from other systems or processes
4.5.2.2 The solar water heating systems shall comply withSANS 1307 and SANS 10106, based on the thermal performance determined in accordance with the provisions of SANS 6211-1 and SANS 6211-2. The installation thereof shall comply with SANS 10254
4.5.2.3 Hot water usage should be minimised and the system maintained in accordance with the requirements given in SANS 10252-1
4.5.2.4 All exposed pipes to and from the hot water cylinders and central heating systems shall be insulated with pipe insulation material with an R-value in accordance with table 13
4.5.2.5 Insulation shall :

a) Be protected against the effects of the weather
b) be able to withstand the temperatures within the piping
c) achieve the minumum total R-value given in table 13

GENERAL NOTES

All levels, dimension, heights of plinths, number of steps etc to be checked and finally determined on site by contractor
Read figured dimension in preference to scaling
Drawings prepared on surface examination of the site
Connect workmens' wc to municipal sewer before commencing work
DPC's to be built into all walls at each level
Cavity walls to have stepped DPCs
Vertical DPC at each change of level
Foundations & floor slabs to be 25mpa conc
All bricks to be SABS approved
Brickforce to be built into every 5th course and every 2nd course above windows, doors and all other openings
Provide lintols to all openings of 2.4 and wider
All thermal insulation will be in accordance with SANS 428
Glazing to comply with SANS 10137
Part N of NBR
Orientation & shading to comply with
All work to comply with National Building Regulations

INTERIOR LIGHTING

All lighting in a dwelling will comply with SANS 10114-1 and SANS 204
Maximum usage of 5watt/m2
All natural and artificial light and ventilation to comply with Part O of the NBR

HOT WATER SUPPLY

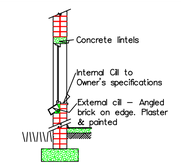
Solar heating water systems to comply with SANS 1307,10106,10254 and 10252-1
Standard water installations to comply with SANS 10252-1 and 10254

WALLS & FLOORS

Walls must comply with Part K of NBR
Minimum R - Value for walls to be 0.35
Provide DPC to all walls & windows
Floors to comply with Part J of NBR
Floors to laundry, kitchen and bathroom to be water resistant
Provide vertical DPC to all changes in floor level

DRAINAGE NOTES

All fittings to be trapped in accordance with local authority regulations & to comply with Part P of the NBR
All bends & junctions in drain to be fitted with ie's - marked at ground level
No drainage bends or junctions under building
Drains under building to be protected from load as per local authority recommendation and to have inspection eyes on either side of encasement
Waste pipes on a one pipe system to have deep seal traps & each fitting to be anti-syphoned
Waste pipes to be fitted with re-seal traps
Waste pipes - wash basin, handbasin 32mm Ø
Bath, sink, shower & wash trough 40mm Ø
Soil pipes - 100mm Ø PVC
Provide 100mm PVC OVP at head of drain
Geyser to comply with SABS10254
Antivac syphons to all 2nd storey stacks
Gradient to be 1 : 40
Rodding eye to be provided 1,5m from Sewer Connection
Provide chemical toilet/s for workersduring construction
All plumbing work to be performed by a registered plumber
Plumber to issue a certificate on completion



TYPICAL BRICK-ON-EDGE CILL DETAIL
Scale 1/50

ENGINEER'S CERTIFICATION

All structural elements of design on this drawing are certified structurally sound to dimensions indicated
Roof, Foundations & Free-standing walls

Any deviation from the approved plan and specification will be the responsibility of the Owner.

Owner's Signature

Proposed New House
STD 24
SILVER WOODS COUNTRY ESTATE
Davydov Construction

Sheet No	Scale :	Date
2/3	As shown	July 2022

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