

EXTENSION	
NETT FLOOR AREA	462.280m²
GLAZING AREA	50.252m²

GLAZING AREA TO 15% OF NETT FLOOR AREA	
GLAZING AREA	= 50.25m ²
15% OF NETT FLOOR AREA	= 69.30m ²

2. ENERGY DEMAND

TOTAL WATT / NETT FLOOR AREA = ****W/M²

0.560KW X 1820 H.A = 1 019.2 KWH.A (< 2 311.4 KWH.A) { DO COMPLY }

Occupancy	A3
Design Occupancy Time	24hrs per day / 7 days per week
Climate Zone	3 - HOT INTERIOR
Minimum R-value required	2.70 m ² K/W
Direction of heat flow	Down & Up

Obtained R-Value => Minimum R-value required

Diagram illustrating a typical hot water solar system geyser according to SABS 0254. The system includes a solar panel, geyser, and various pipes and valves. Key components and connections shown are:

- Solar Panel:** Connected to the geyser via a safety valve.
- Geyser:** Mounted on a Geyser Tray with a geyser drain dock.
- Water Supply:** Cold water to geyser open/close tap and cold water balanced pressure.
- Hot Water Output:** hot water balanced pressure, leading to shower mixer taps and a basin.
- Pressure Control:** Pressure control and Expansion relief valve.
- Roof Line:** Indicated by a horizontal line.
- Municipal Water Metering:** Mun. water metering and cold water mains open/close tap.

The completed forms to be submitted to the Local Municipality on the approved plan file.

It's recommended that a Flexible BOQ polyester fibre blanket, with a thickness of 130 mm needs to be installed in order to achieve the additional min R-value of 3.70 m²K/W

4.5.2.9 states: Piping to be insulated includes all flow and return piping, cold water supply piping within 1 m of the connection to the heating or cooling system and pressure relief piping within 1 m of the connection to heating or cooling system. Where possible, lengths of pipe runs should be minimized.

Indemnity Warning