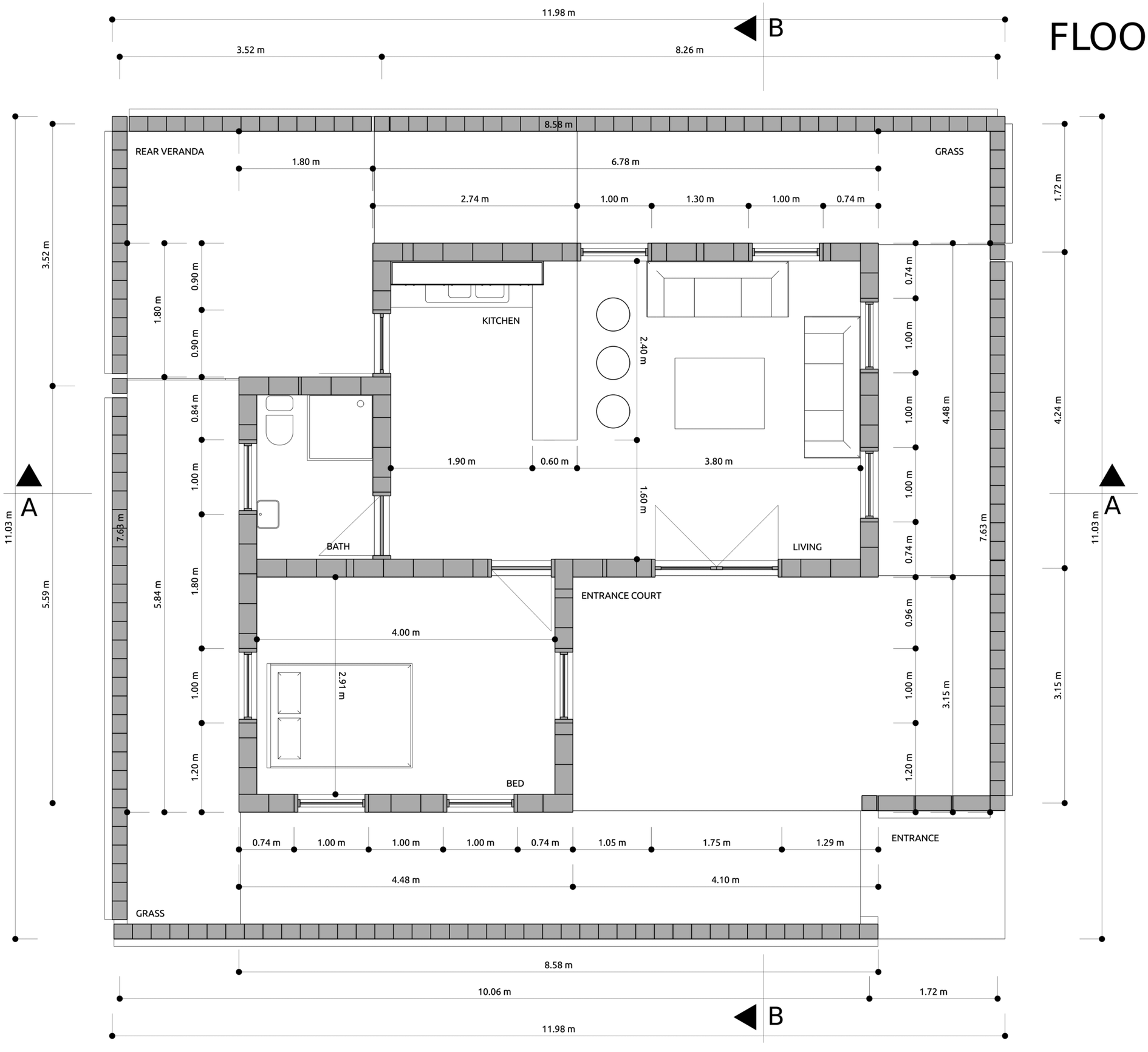
FLOOR PLAN ENLARGED



DESIGN NOTES

This project is aimed at providing a design design at a cost of about 5000usd.

The interior floor plan can be built in under 5000usd, but for a good context, a house must need an exterior interaction. So an addition of a fairly small and conformatable varanda is added to complete the home. This enables an outdoor covered space. Whilst having that in mind this can increase the cost somewhat generously.

The interior layout is made to fit into the 45sqm requirements, which provides a comfortable interior living space.

The interior floor plan layout minimises the need for corridor walls because of it's open space nature. Bath next to kitchen reduces plumbing cost.

An additional zoning perimeter wall has been added to created an enclosure which provides the dwelling with security and internal outdoor space, while providing the ability to create large window openings on the house which enables good lighting and ventilation for tropical climates most commonly found in african climates.

The wall enclosure also provides the resident with privacy from on street by passers.

The house can be built with any type of SCEB (Stabilized compressed earth brick) or most types of bricks commonly available but for a nice finish on surface, geopolymer CEB (stabilised with alkaline activation of fly ash) would be prefered.

The use of other materials such as concrete and rebar, is necessary if used in strategic components in the house can be also considered a sustainable solution. After all the aim of a house is providing for adequate shelter, meaning that the house should have properties which allows it to withstand natural elements such as wind, rains, and other kinds of natural occuring events, thus protecting the inhabitant. There for concrete has been strategically implemented only where necessary.

Earth is the prime raw material because of its abundance. It's everywhere, and it’s technology is fairly well understood already to indigenous people with low technical knowledge.
Earth Brick and other earthern derivatives offer an a cheap and unique advantage un matched by other materials available at raw till finish transformed product used for building.

project

Shelter Afrique

designer

REGIS NDE TENE

scale

1:25

title

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date

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