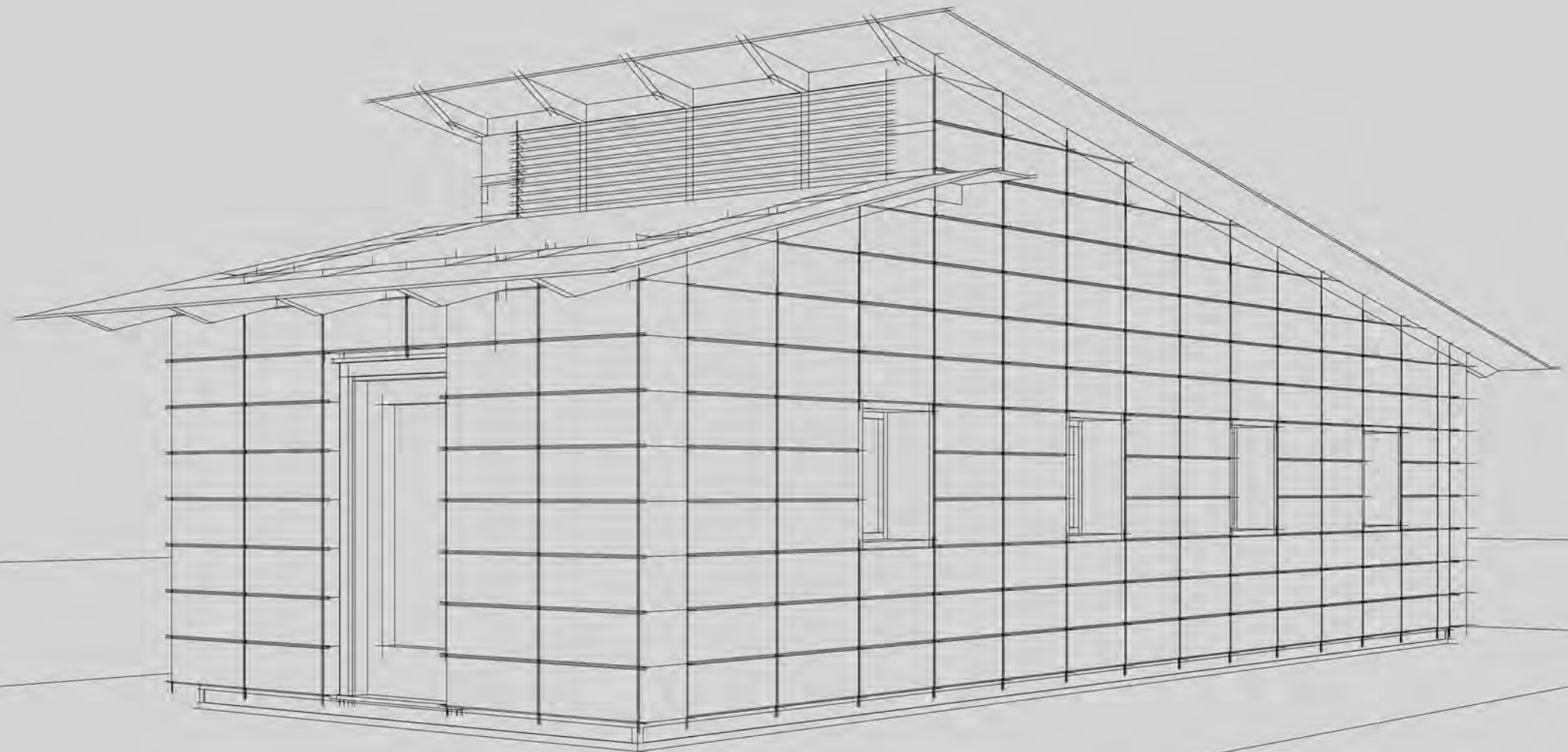
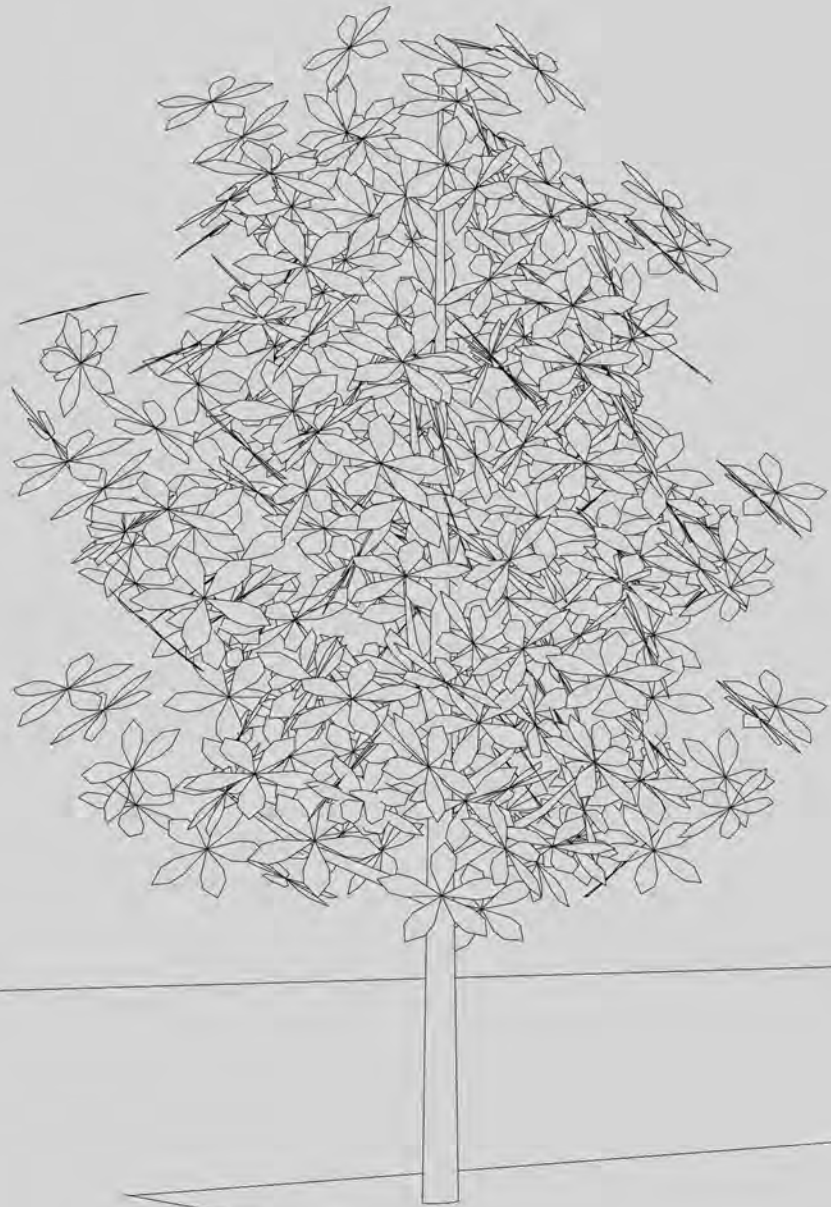


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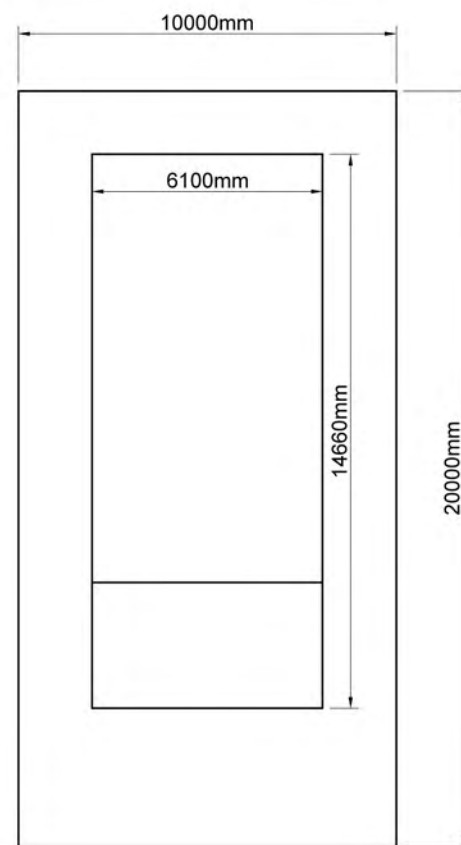
Affordable Urban Design Housing

Location - Lesotho



Design Concept

- As Lesotho's weather is extreme, I choose the straw bale as building material.
- Straw bale walls are thick so that they can prevent weather affection on house. The house can be comfortable to live in the whole year.
- Straw bale are cheap and can construct easily in a few days.
- My aim is that the house owner can decide which kind of finishes they prefer. This result is even though the layout plan and elevations are the same, the owners will get unique appearance depend on their choice.
- My design can be built in plot size is 10m x 20m so, it can be the way to reduce land use.



1 SITE PLAN
SCALE 1:200



This style is with mud finishes



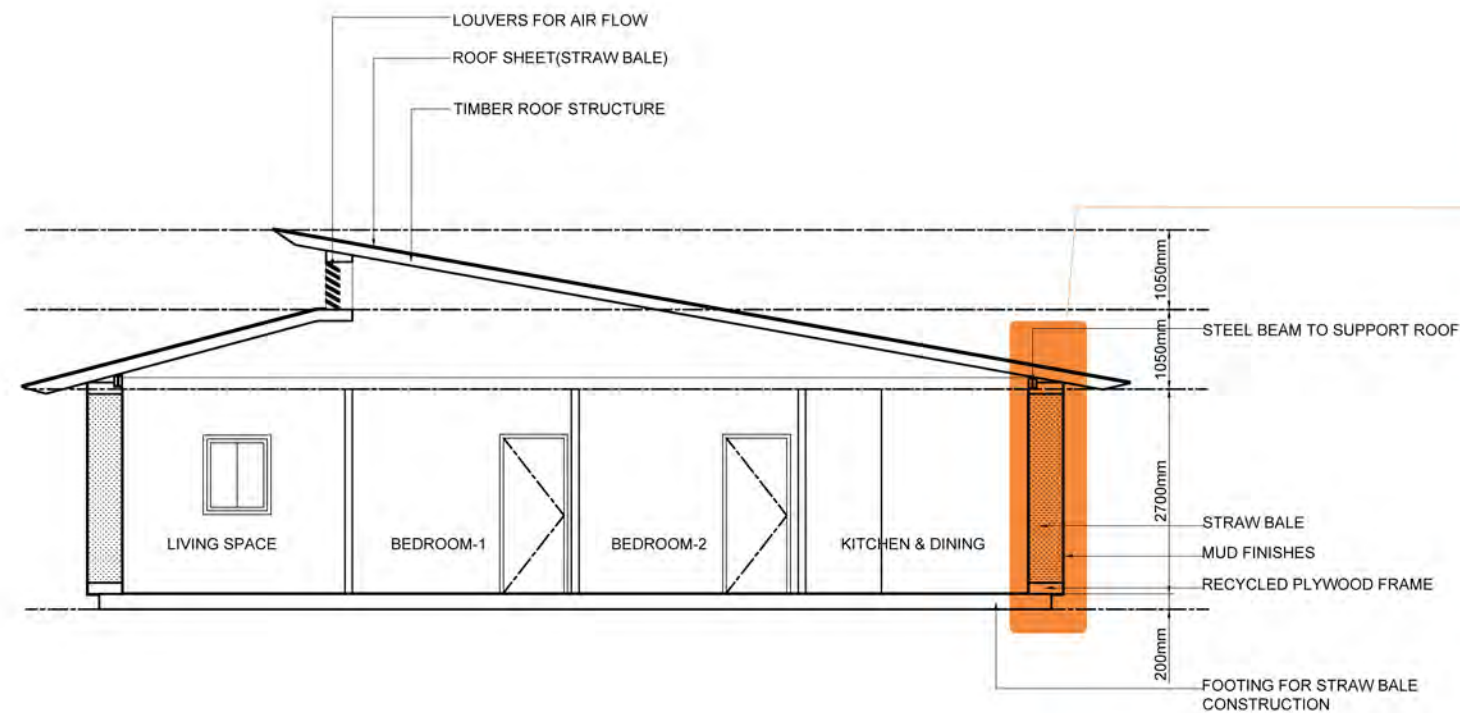
This style is with cement finishes

Project Description

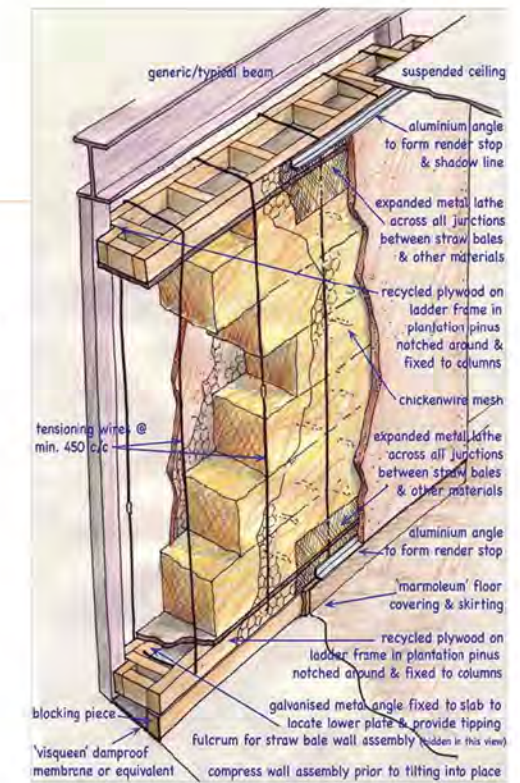
- This unit of house is 4.9m x 4.9m(including exterior wall) , 4m x 12m(excluding exterior wall).
- The total area excluding exterior wall is 48 sq.m.
- We will use natural ventilation and take the advantage of air flow.
- This unit will include living space,2 bedrooms,1 common bath & wc and kitchen and dining area.
- Ww will use straw bale construction to reduce cost .



1 GROUND FLOOR PLAN
SCALE 1:50
AREA 48 SQ.MM(EXCLUDING EXTERIOR WALLS)



2 SECTION
SCALE 1:100



Straw bale construction detail
reference from My Home website.

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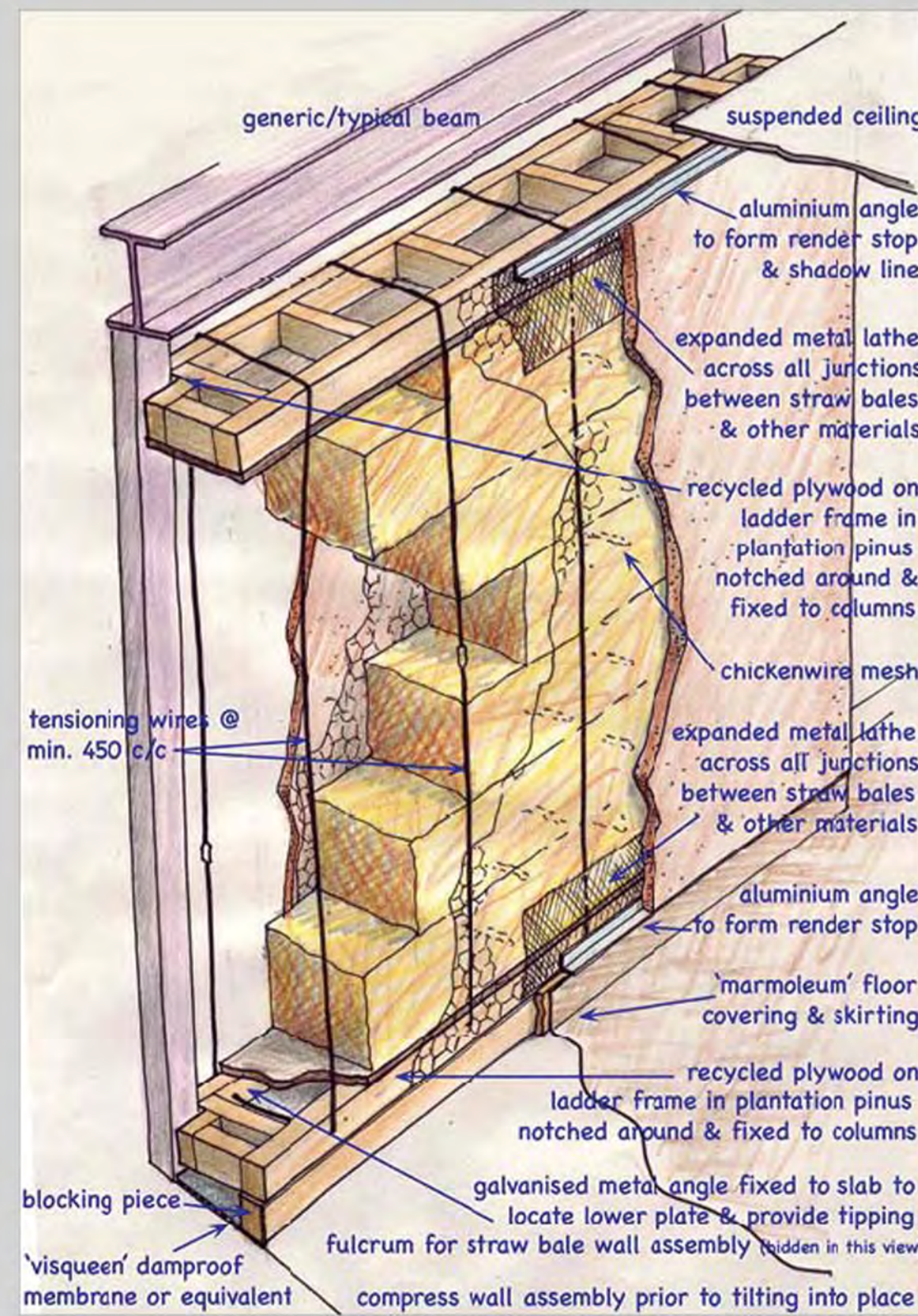
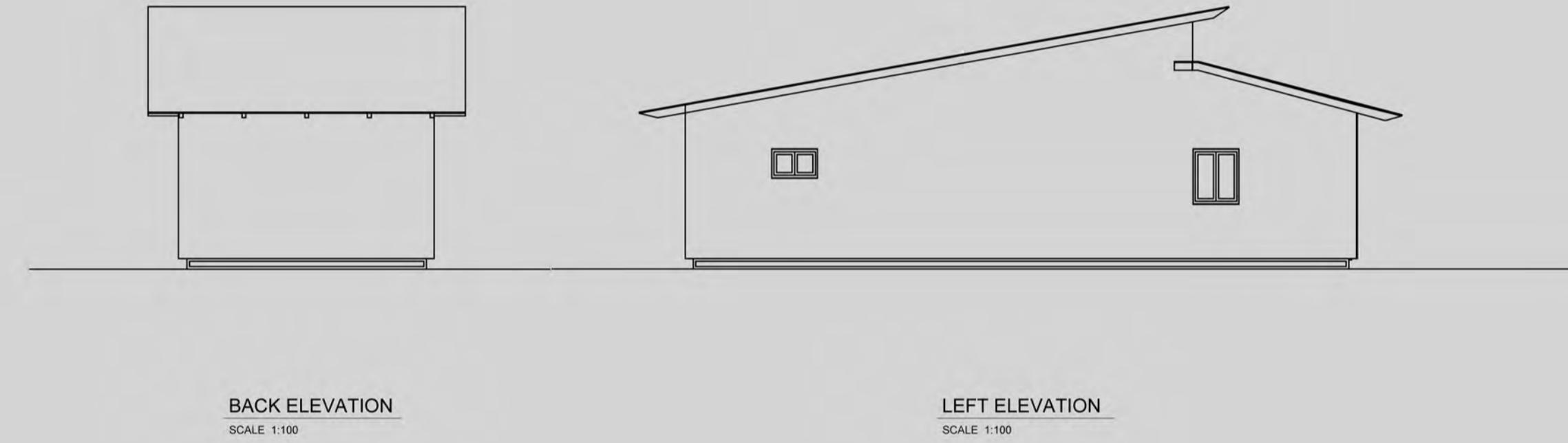
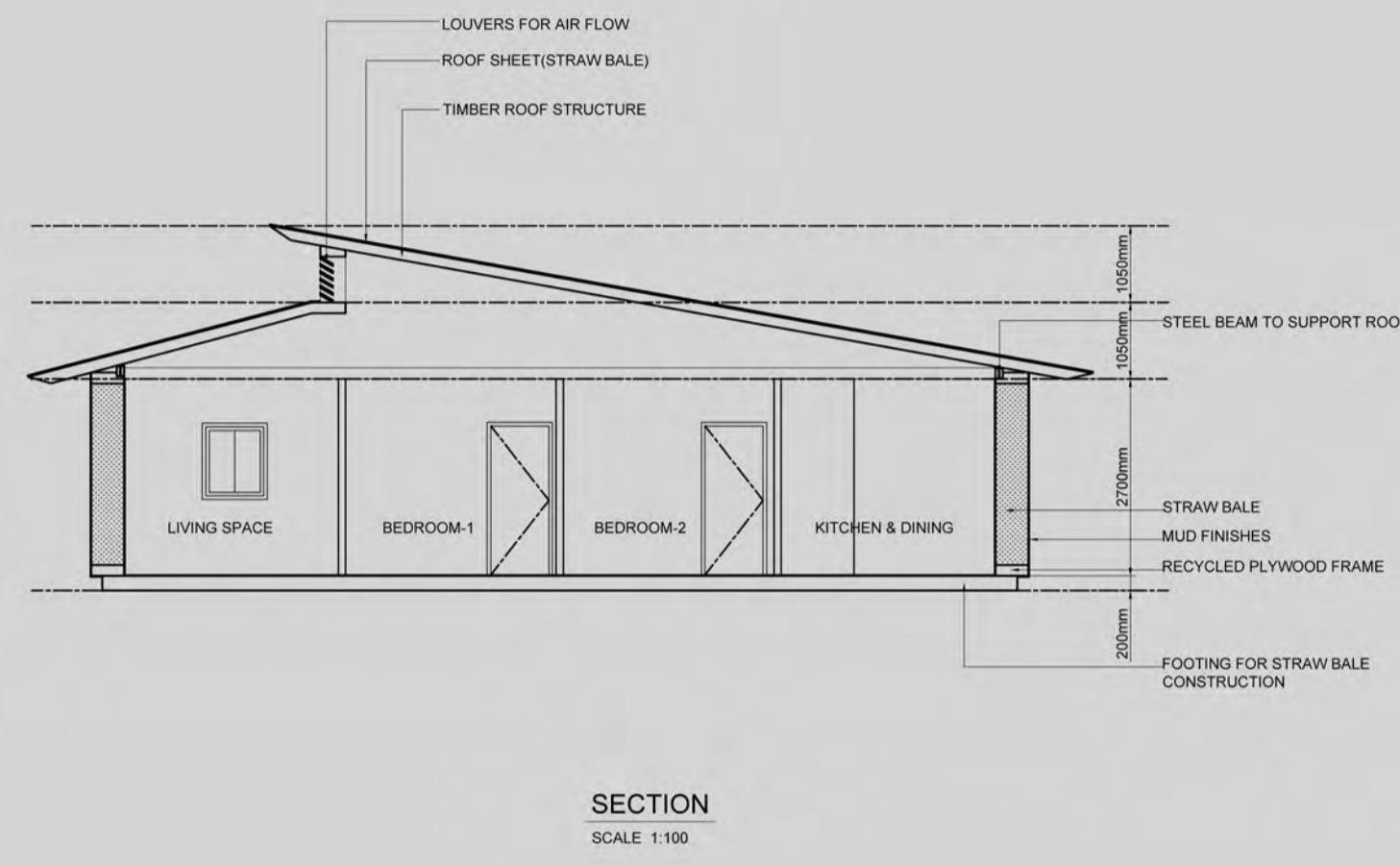
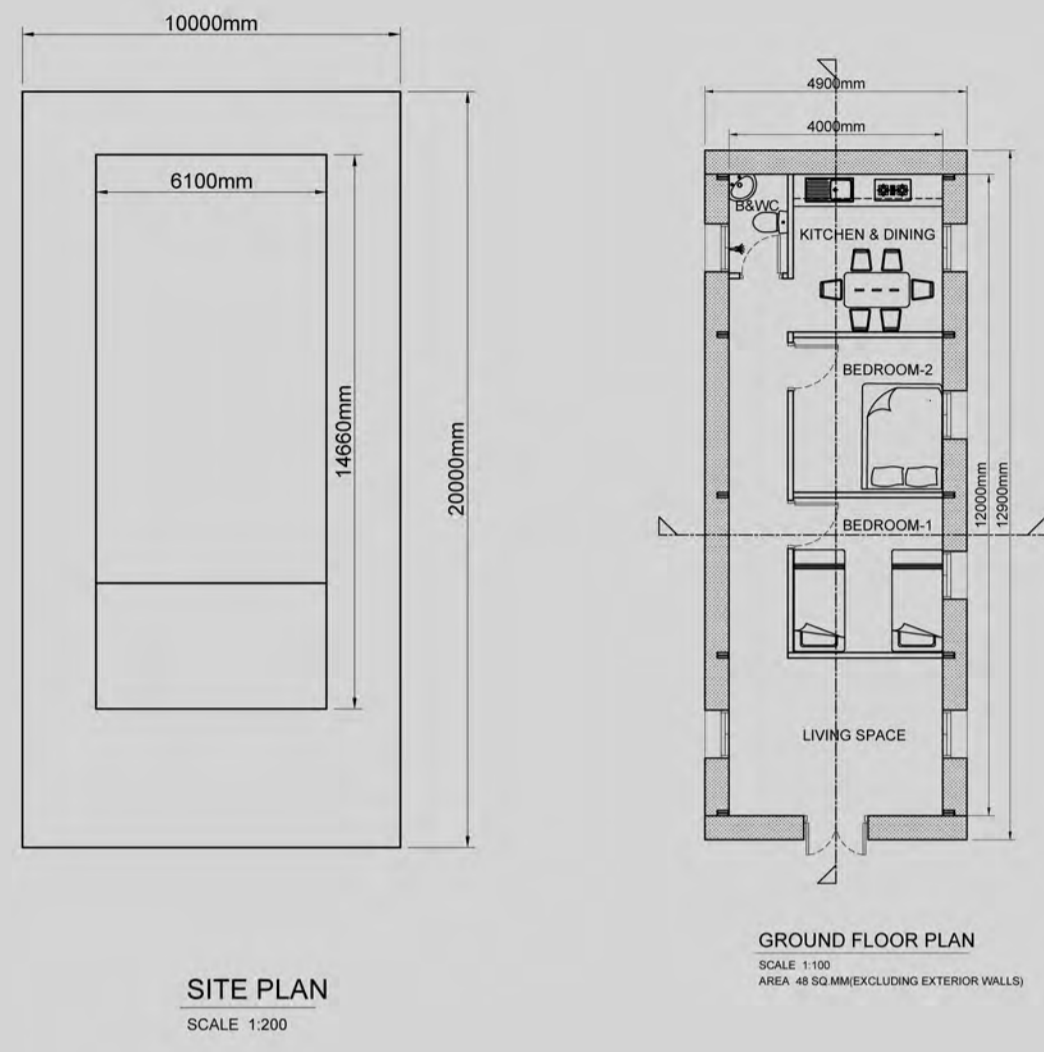
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Straw bale construction method's cost can be vary from different part of the world. Since I can't collect the data of staw, I can't submit this issue.

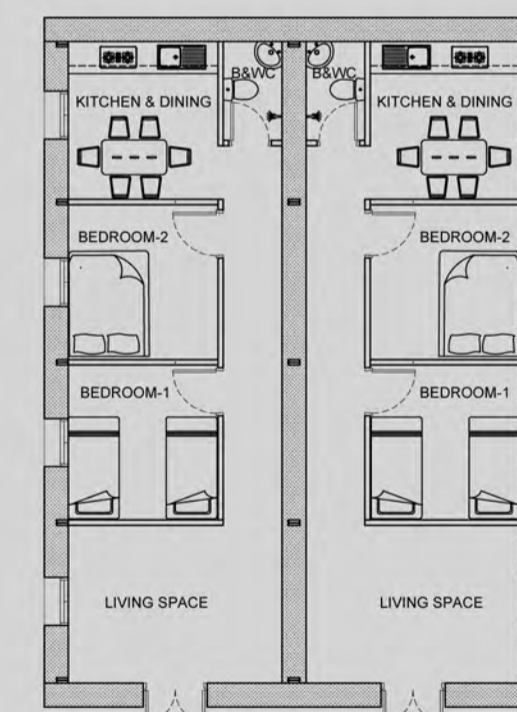
RISE IN THE CITY 2018

Affordable Urban Design Housing

Location - Lesotho



straw bale construction
reference from My Home website



When each of unit combine and turn into row house