

Map of Africa with

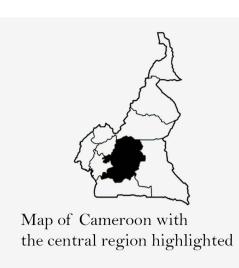
Cameroon highlighted

Si Jan Fifth May Age May Alm Ad Ang Siry Got New Stee Armed

The annual air temperature

between 22 °c and 25 °c

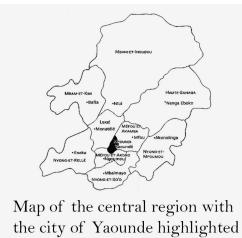
Temperature Graph



Humidity Graph

The annual humidity

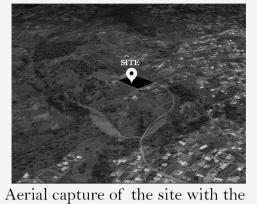
between **75%** and **91%**



Wind wheel Graph

The prevailing winds comme

from the Southwest all year round



surroundings of the city of Yaounde

Knowing the path of the sun to better

design appropriate shading systems









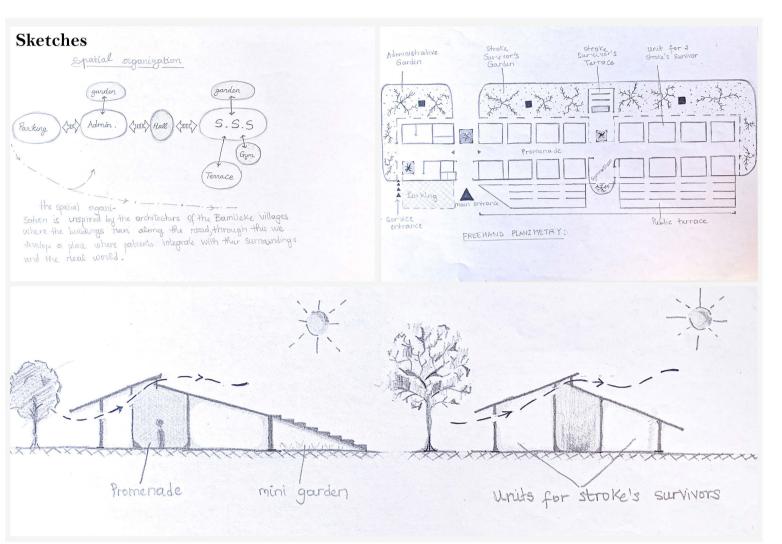




4.Dividing function

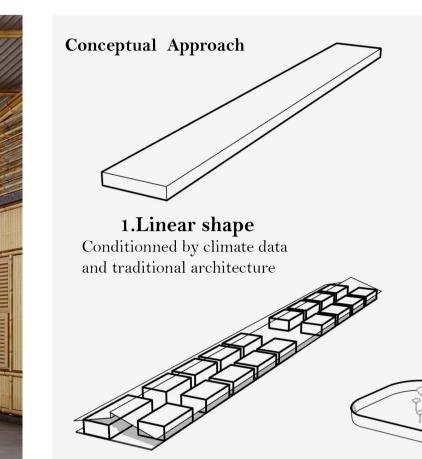
Inspired by the Bamileke village:the houssing unit

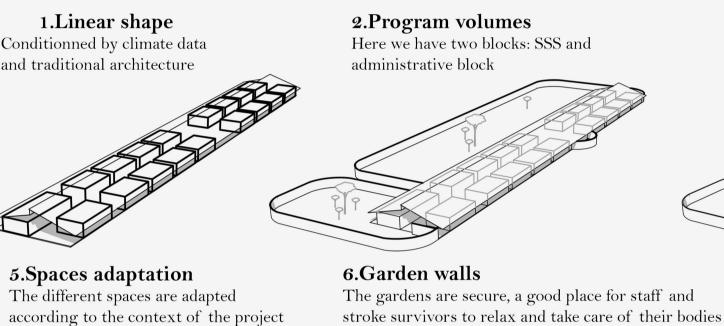
blocks will be organized facing a long promenade

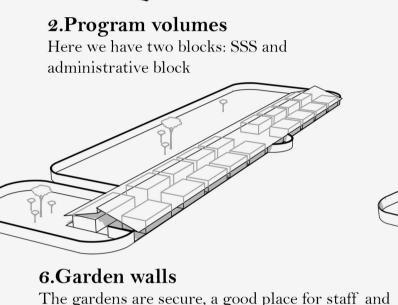


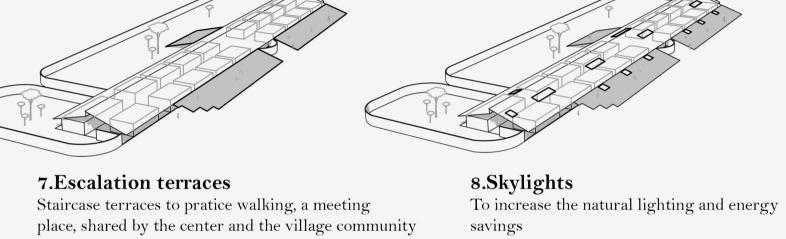


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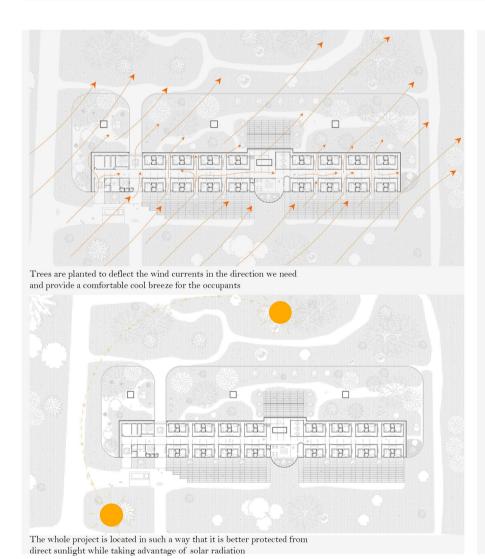


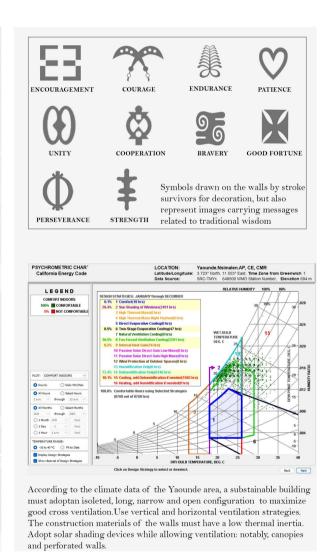
3. Ventilation roof system

A two-slope roof with ventiation and natural

lighting. simple, modular durable and adapted.





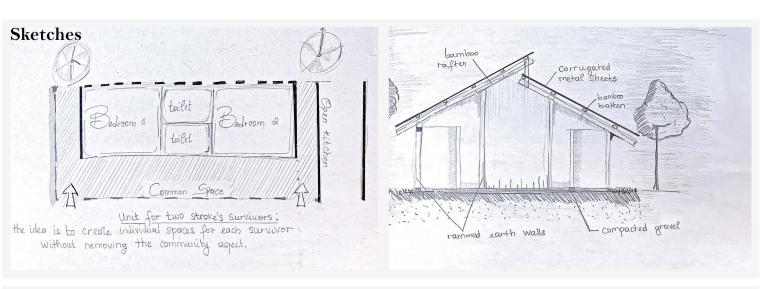












Conceptual Approach

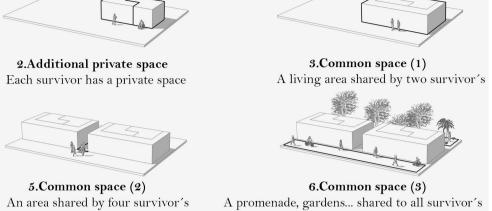


4.Two accommodation units

Units organized linearly next to each other



5.Common space (2)







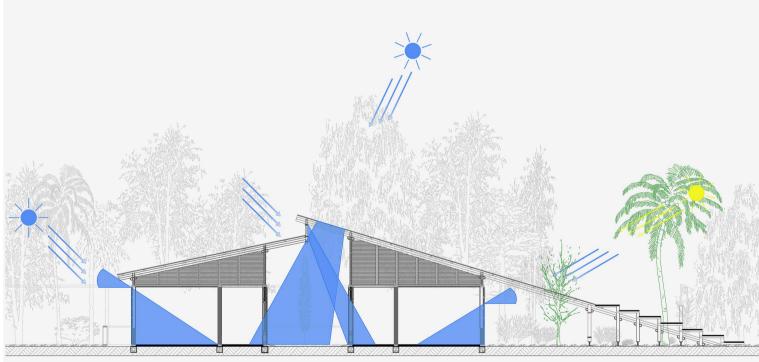
Acoustic Comfort

A wooden window system, rammed earth walls and woven bamboo ceiling reduce road traffic noise and filter



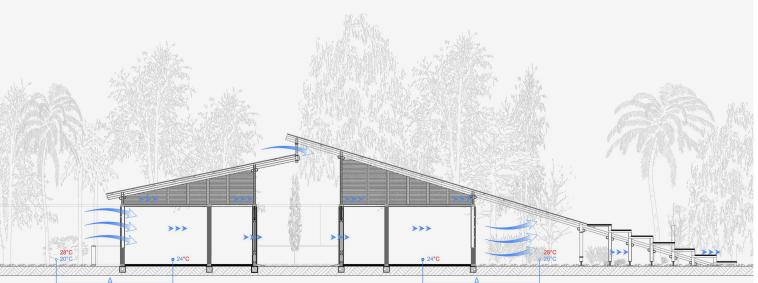
Thermal Comfort

The rammed earth walls plays a role of natural air conditioner in all seasons. They store the ambient heat during the day and release it at nigth. Insulated wood windows and a roof space contribute to the improvement of thermal comfort.



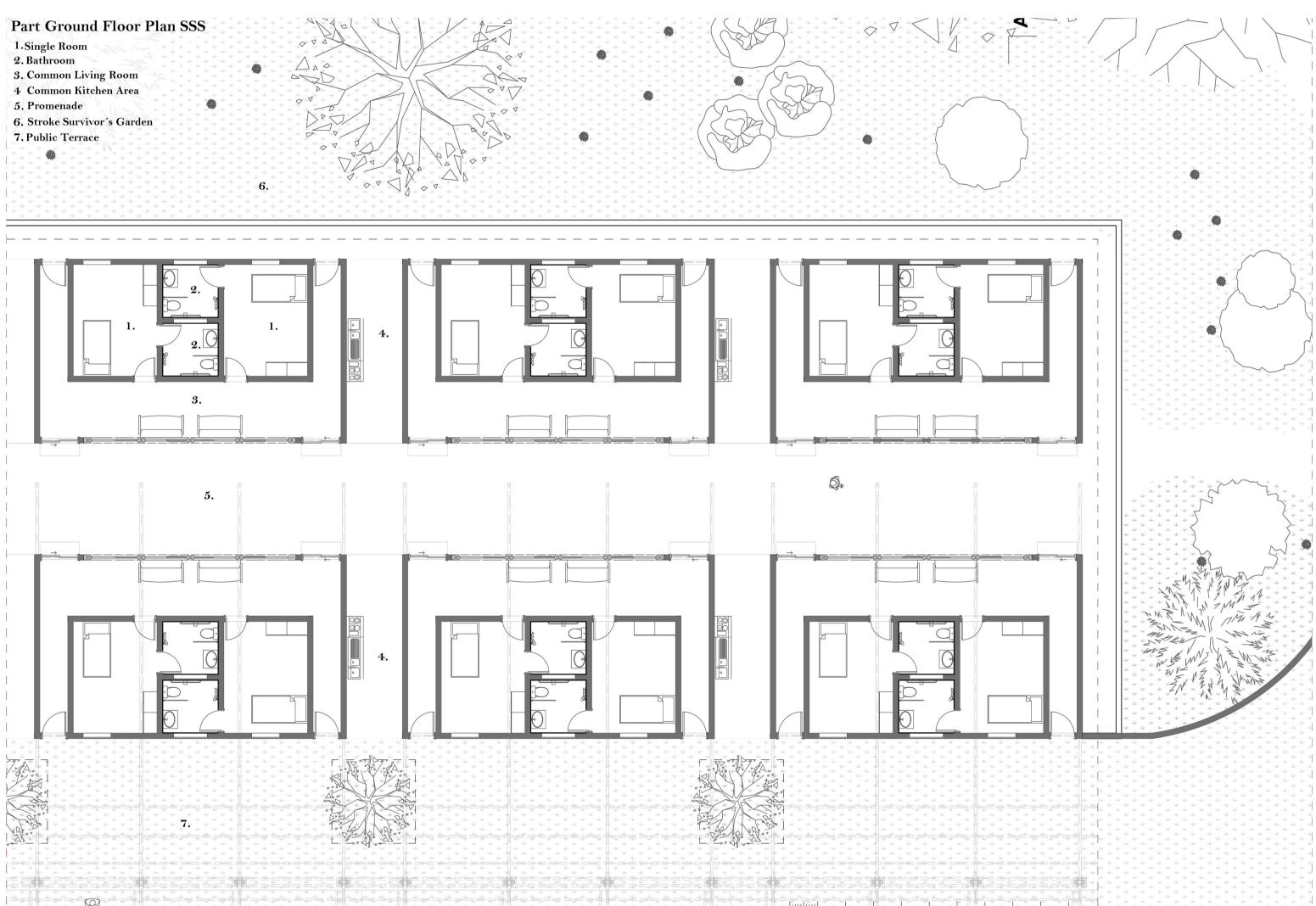
Visual Comfort

The zoning of the rooms and the orientation of the building are based on the path of the sun. The living spaces are well lit thanks to the optimization of the openings on the facades and the skylights.



Indoor Air Quality Comfort

The rooms are cross-ventilatilated. The woven bamboo ceiling provides and filters the air. All this leads to a better health of the occupants.





SSS Facades 01. Main Door 135cmx270cm 02. Curtain wall 15 cm x3 m 03.Window 80cmx150cm 04.Air inlet 05.Door 90cmx270cm 06.Window 100cmx200cm 07. Window 120x100cm The SSS consists of units designed for two occupants and common areas: promenade, gardens, terrace, gymnasium, dining room, medical pool... It is a positive, adaptative, multi-porpose space controlled



Detail Cross Section

by the survivor's

O1. Corrugated metal sheet 2mm
O2. Bamboo batten Ø8cm 03. Bamboo rafter 2012cm

04. Bamboo beam Ø10cm

05. Bamboo vein lattice and wood frame 06. Top base in reinforced concrete 25cmx10cm

07. Adjustable louvered wood window 100cmx200cm

08. Rammed earth wall 25cmx3m

10. Rock footing 35cmx35cm

11. Concrete floor finish

12. Tamped earth and gravel 13. Woven bamboo ceiling

