

SHAPE OF SUSTAINABILITY

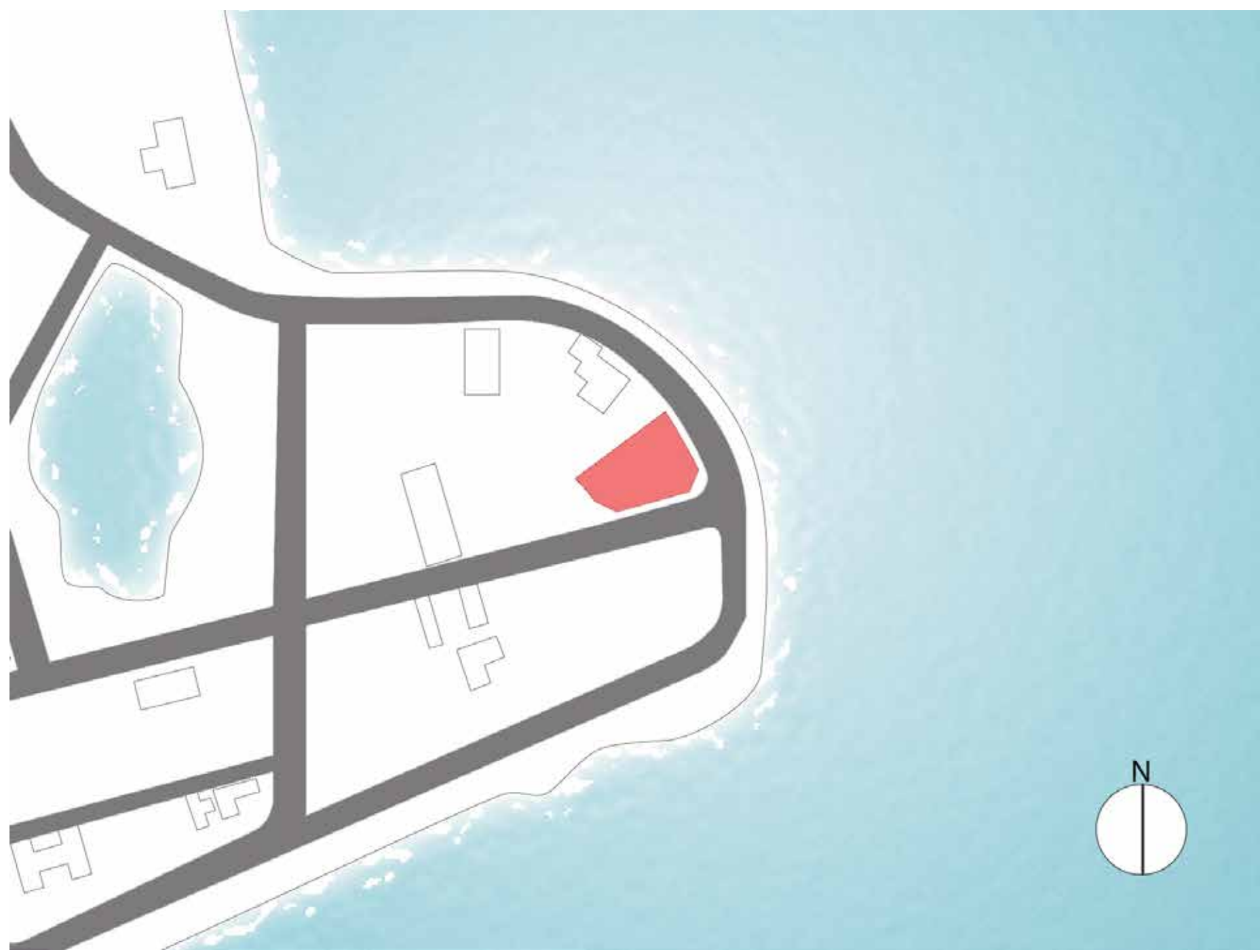
Hiroomi Takemori + WORKLOUNGE 03- VIETNAM



INTRODUCTION

The site is in Vinh Phuc city, far from Hanoi. Vietnam in South East Asia is in a hot and humid area. Especially north of Vietnam is so humid. In spite of that, most Vietnamese house and building doesn't have suitable ventilation and consideration for strong solar radiation. This project has aimed at suitable house building in a hot and humid area.

We tried to keep sustainability by the shape of Architecture without high-performance materials.

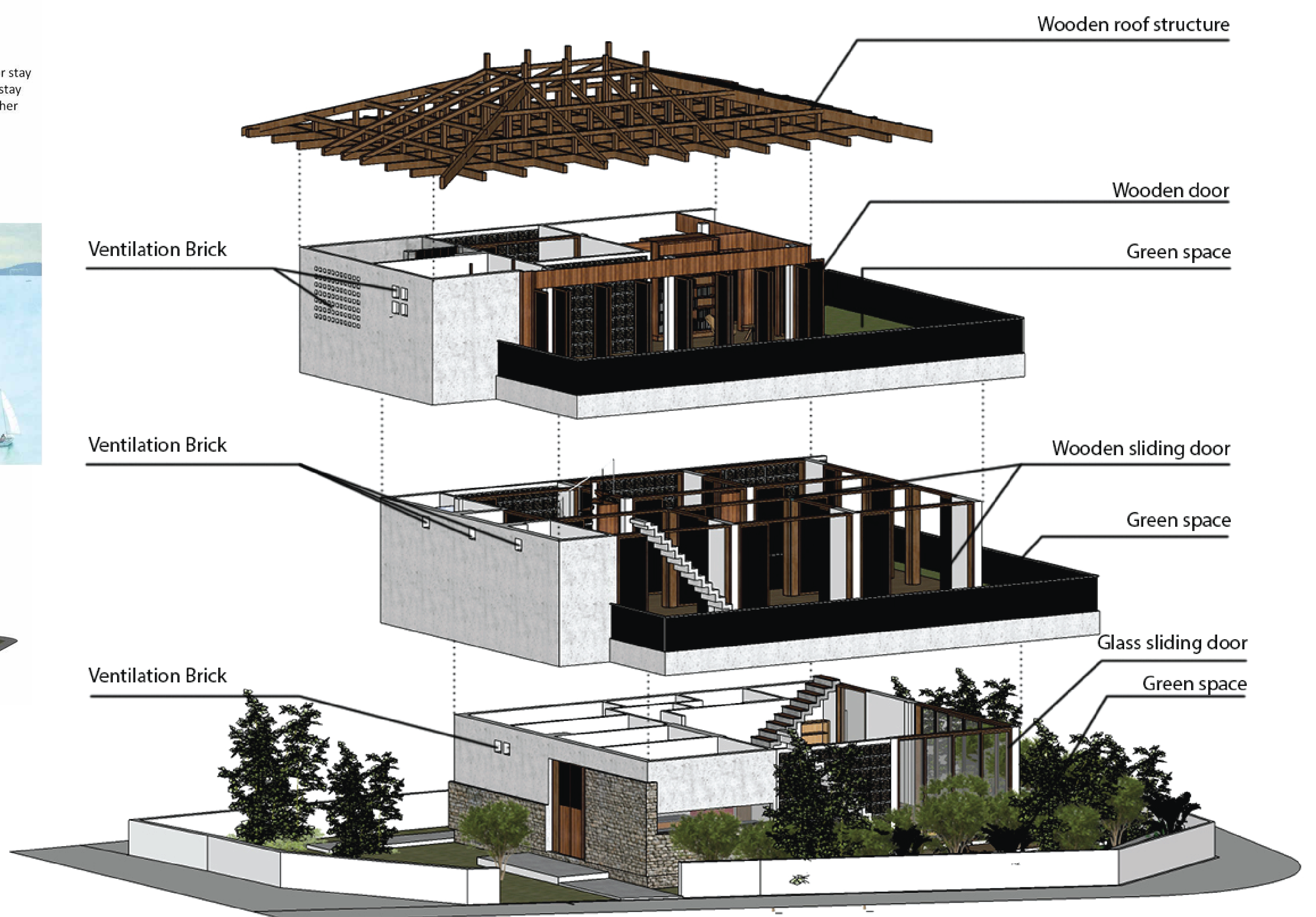
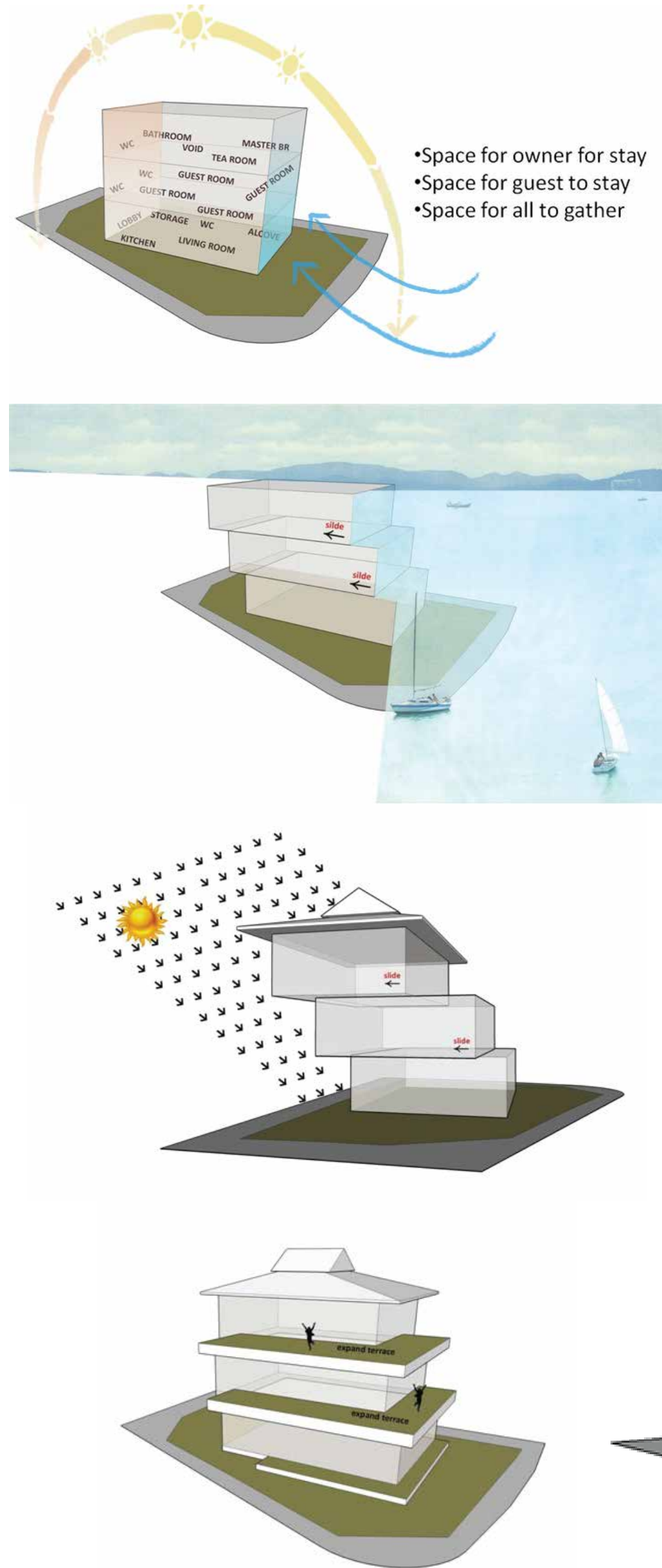


SOLUTION

KEYWORD

- 1 SUSTAINABLE
- 2 GREEN BUILDING
- 3 LOCALISM
- 4 COMPUTATION

For preventing the temperature rise, we analyzed some option of plan and calculate the optimum solution for it. Each floor is slipped and make balcony at south east side. Then upper floor is eaves for lower floor at north west side and cool down the temperature of this RC structure. The roof is wooden sloped by ceramic roof tile with elevation exhaust window on top. This window is expected to have the ventilation effect from 2nd and 3rd floor to top.



CONCLUSION

We use the few vanishing traditional wooden work roof and door system to keep the well ventilation and prevention of solar radiation. Full-open door and balcony in 1-3rd floor at South and East side get the window through on and view to the lake. We place original block material at South-West side for keeping privacy and getting wind from South-East. We use modern method like as computer analyzation. On the other hand, we are trying to keep Vietnamese traditional technology and technic is available for Vietnamese climate and culture.

