



Whalewatch Village

An agricultural community for North Kohala, Hawaii

Professor Jan Wampler, Professor of Architecture, MIT
With Yuliya Bentcheva, Ryan Doone, Theo Issaias,
Frederick Kim, Amanda Levesque, and Jay Tapia











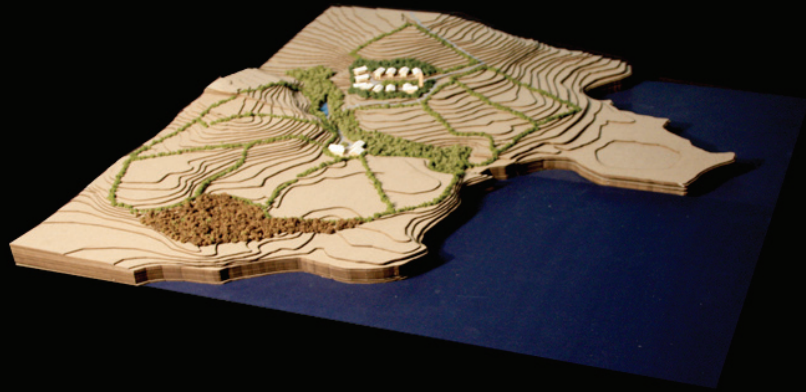




Objectives

1. Preserve the land
2. Design low cost housing
3. Design a house that can grow as the need and funds are available
4. Cluster houses to allow space for farmland
5. Use sustainable, local materials
6. Design for independence from outside electric, water, and sewage systems









SITE PLAN

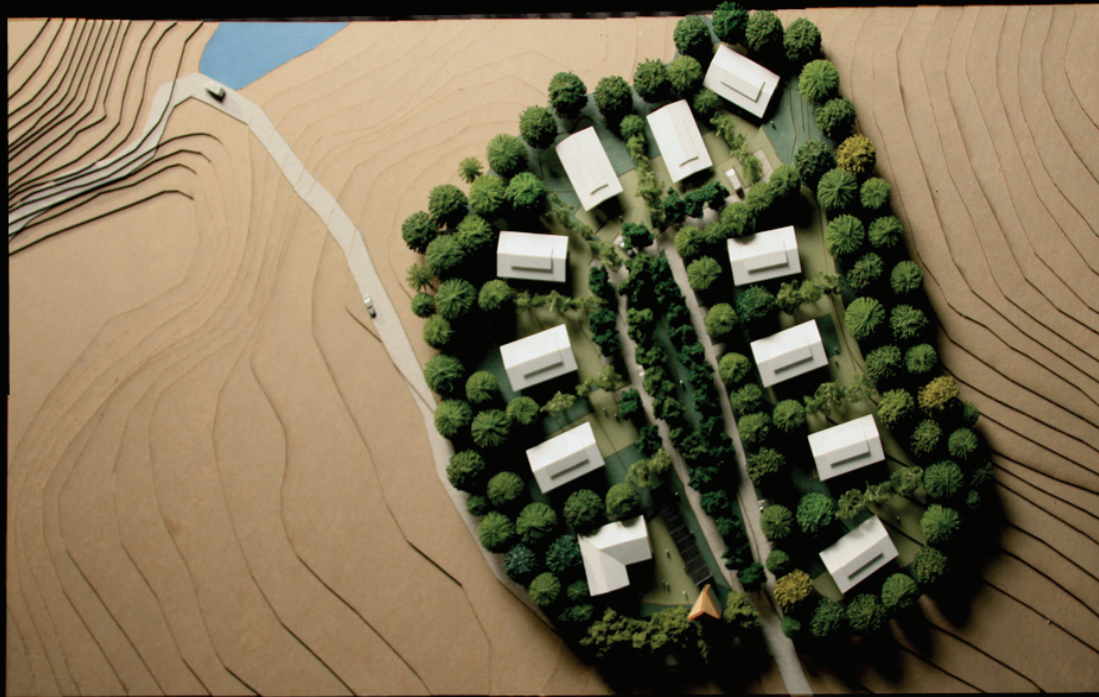


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Amara Levesque, Fred Kim, Jay Topik

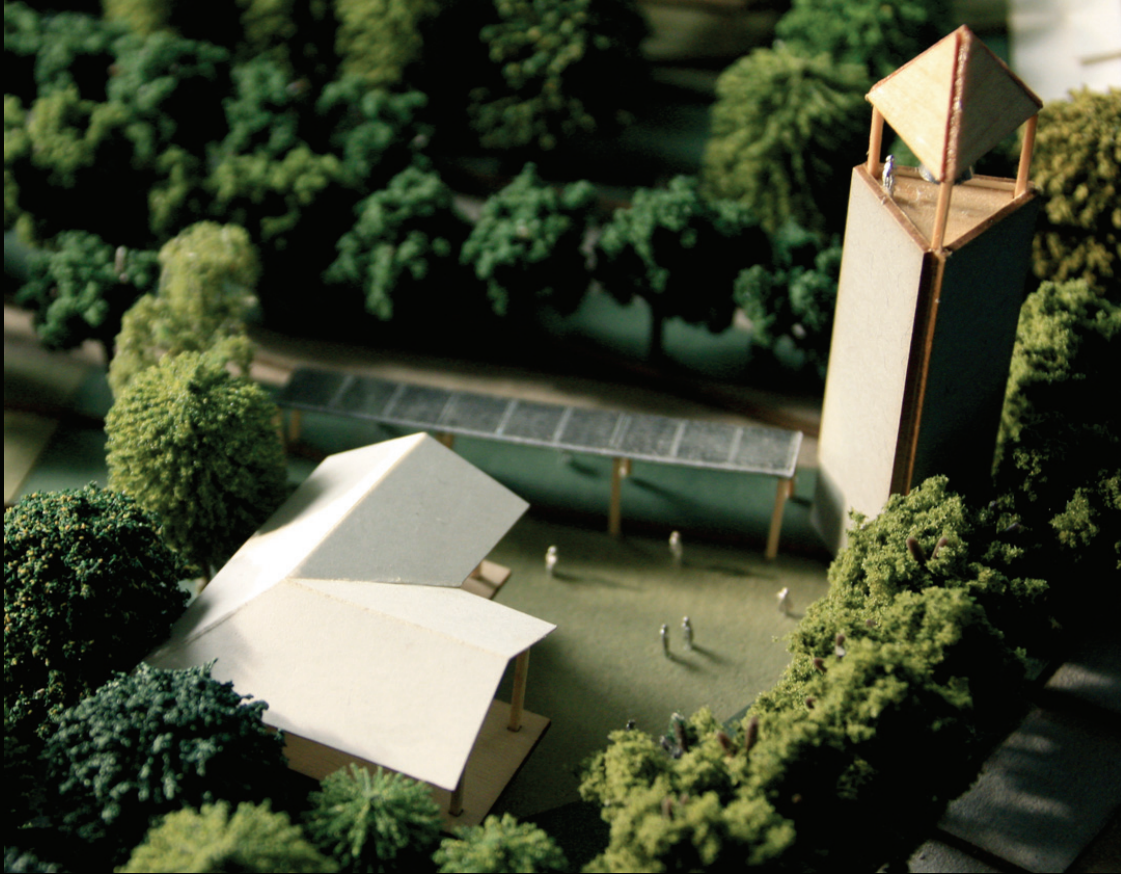
These drawings and proposals are conceptual and preliminary in nature. While they are intended to provide a general overview of the project, they are not to be used for construction or other purposes. The project development is to be based on the final approved site plan and other documents. The architect and other professionals involved in the project shall not be held responsible for the accuracy of the information provided in these drawings and proposals.

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OVERALL SITE PLAN









CLUSTER PLAN



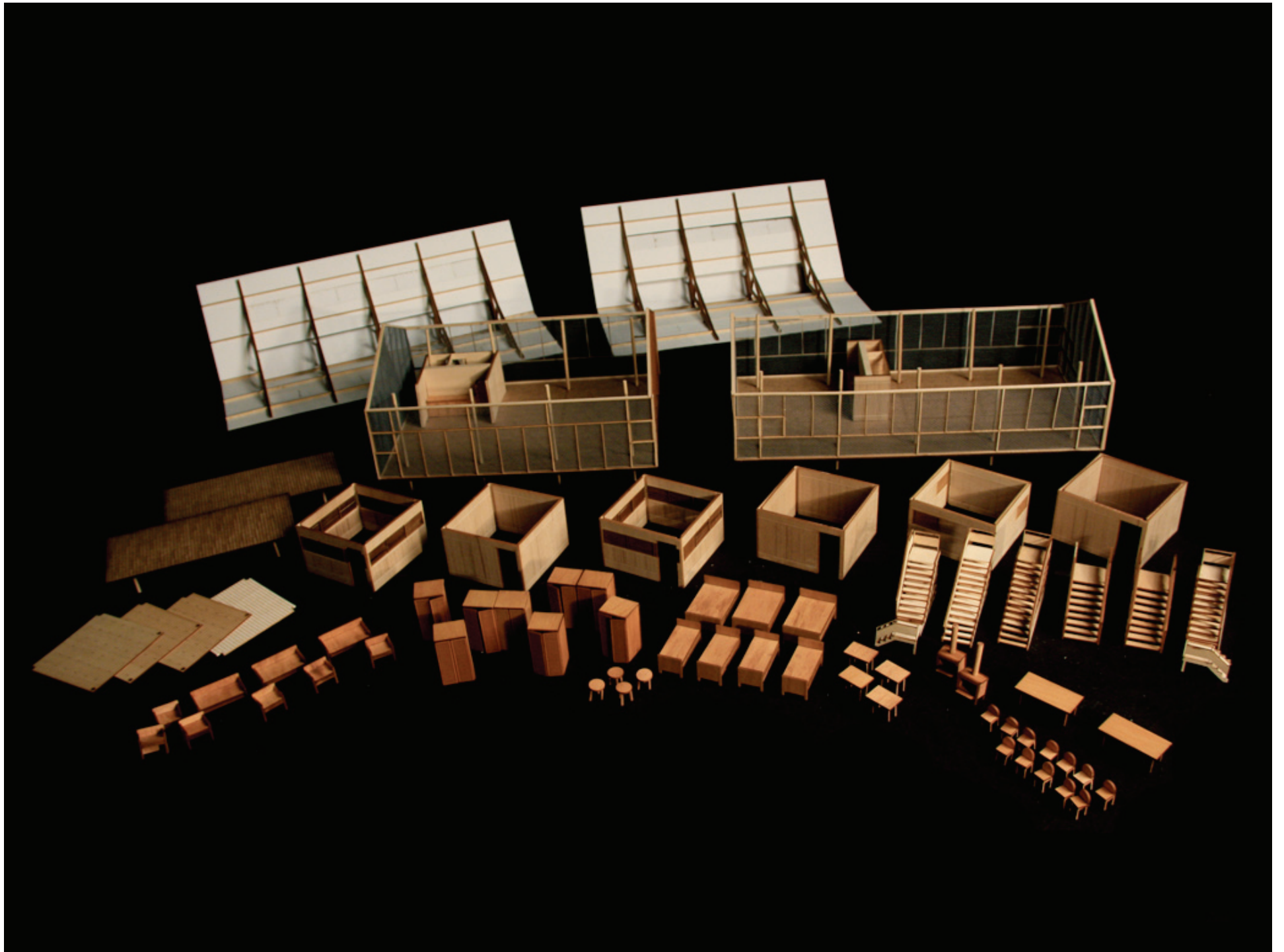
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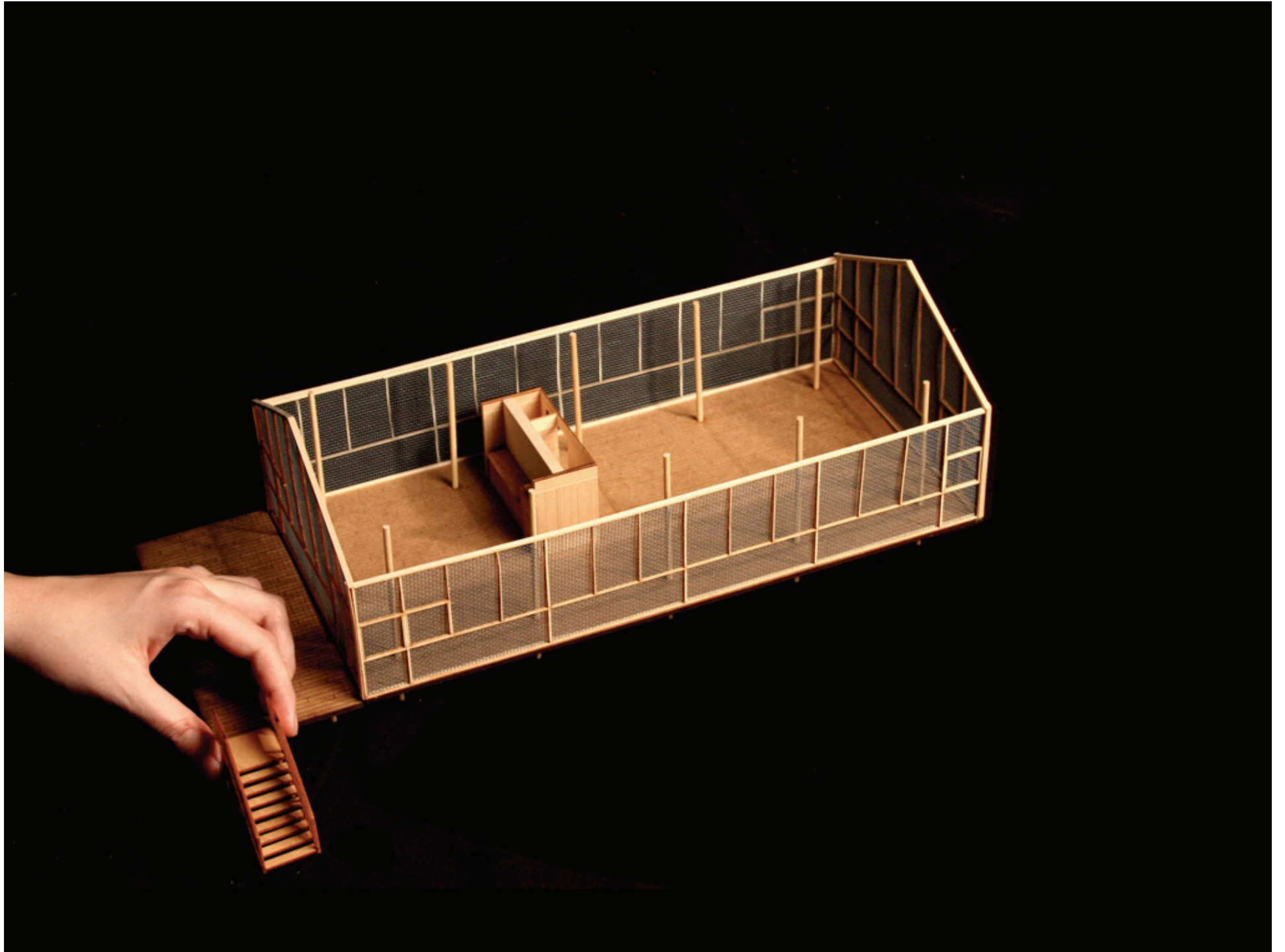
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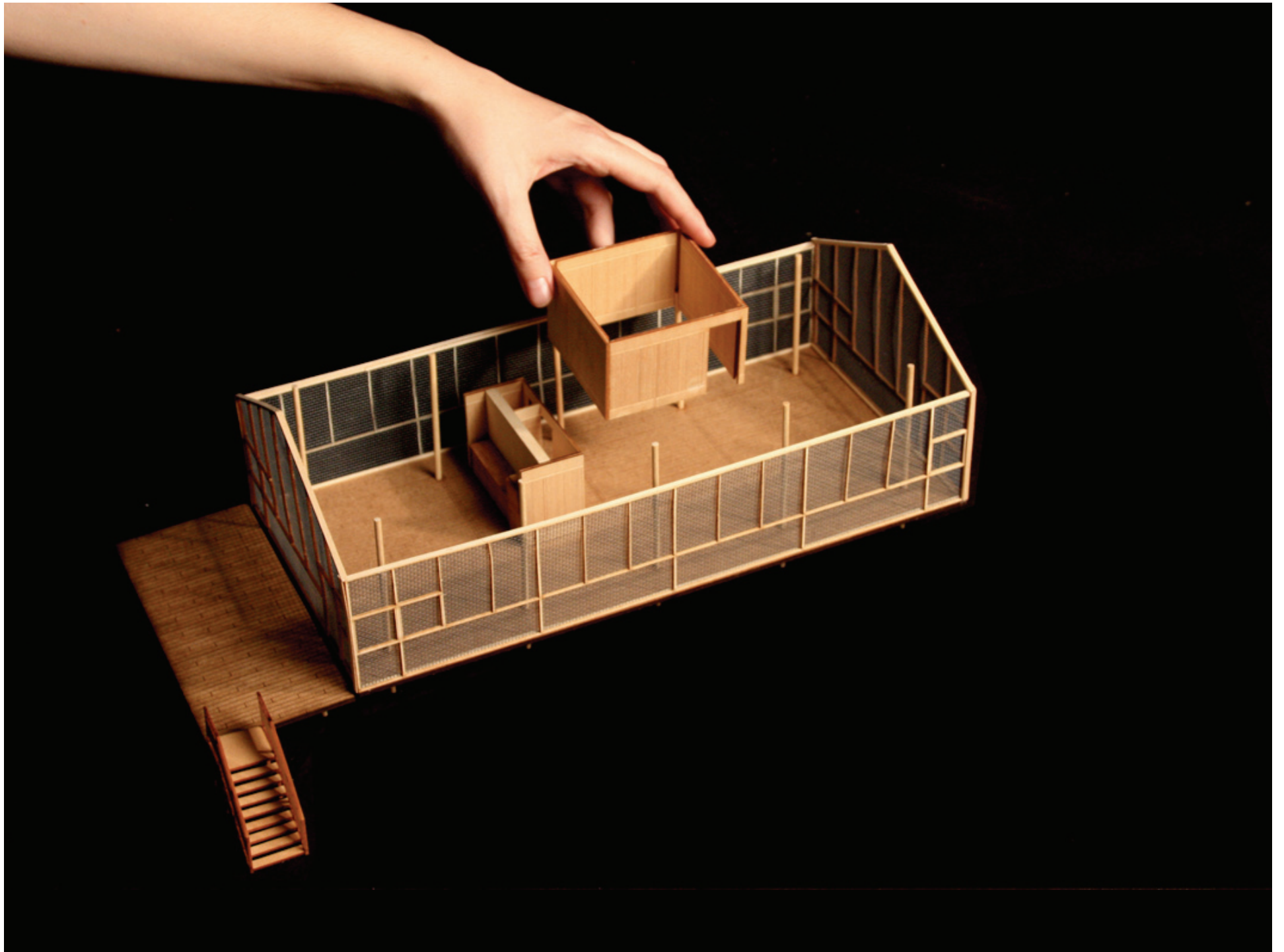
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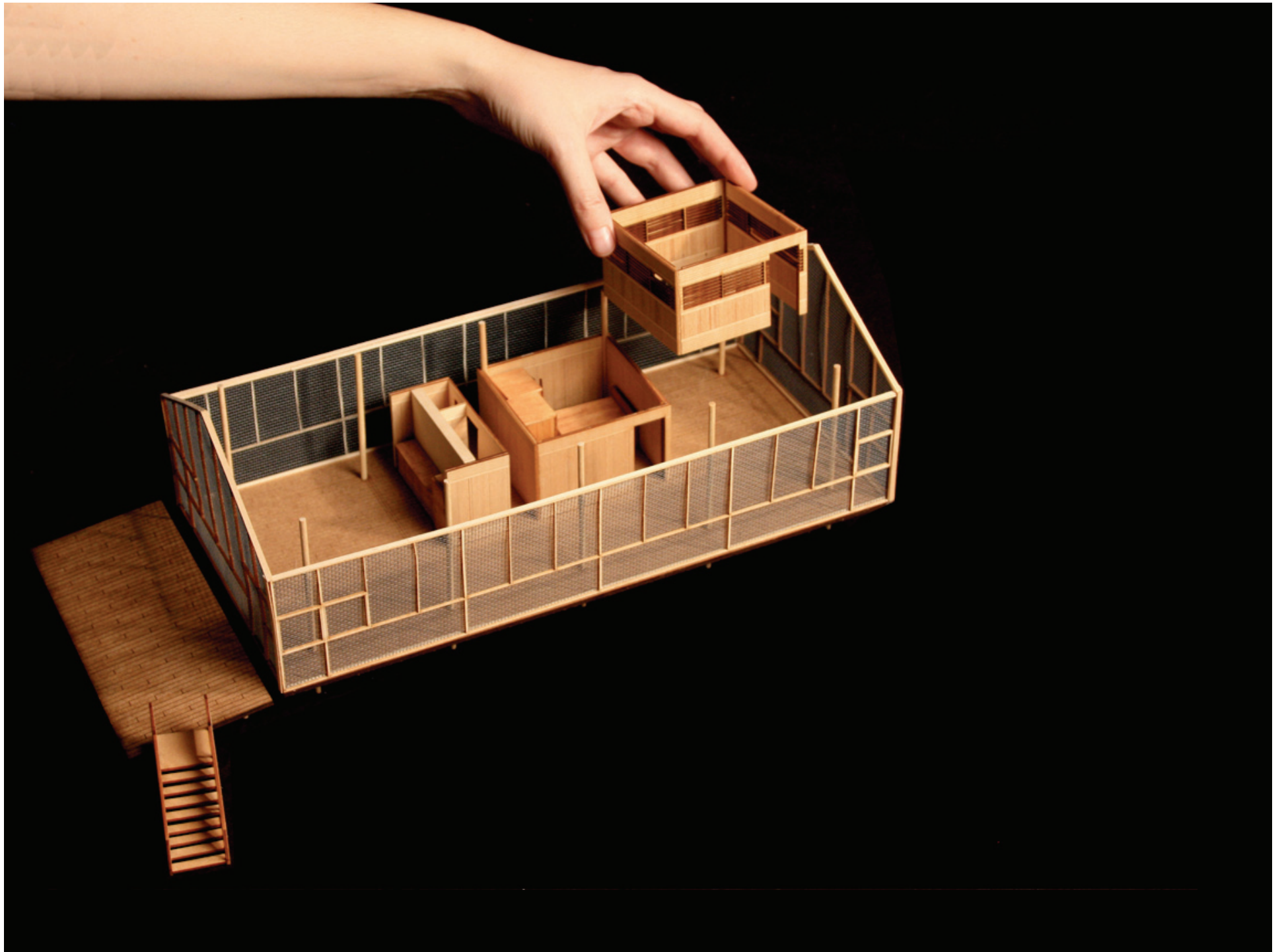
CLUSTER PLAN



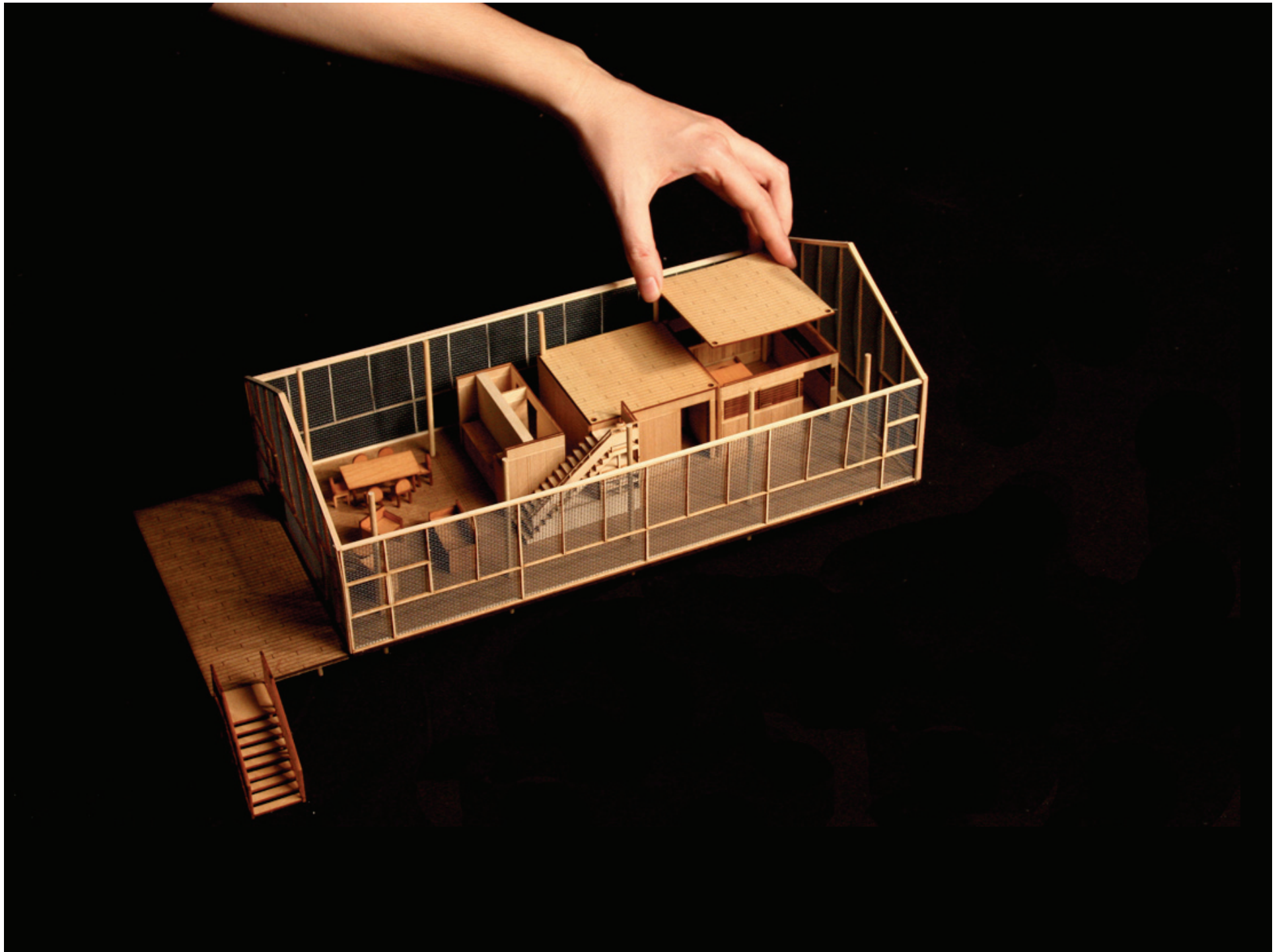




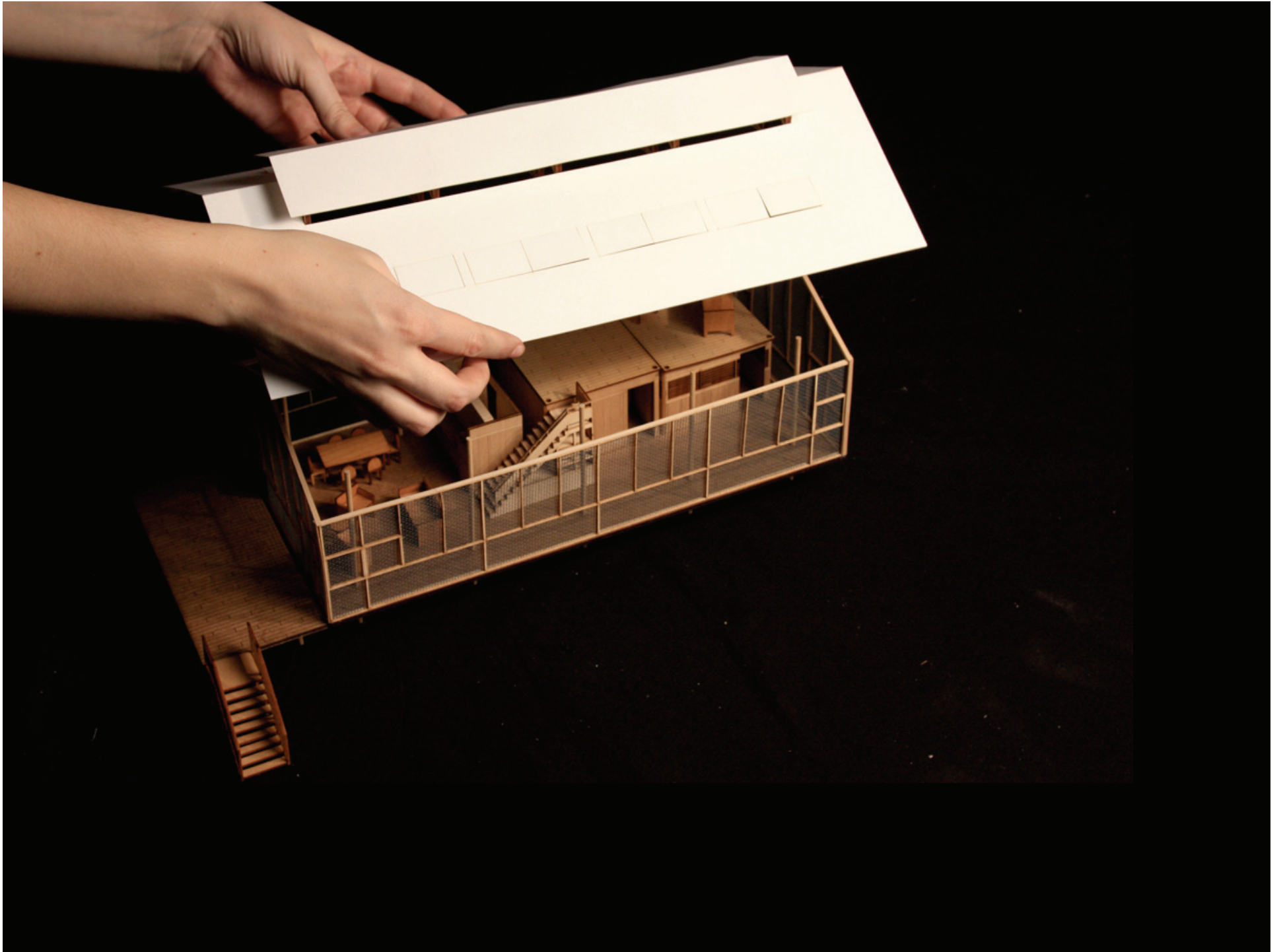






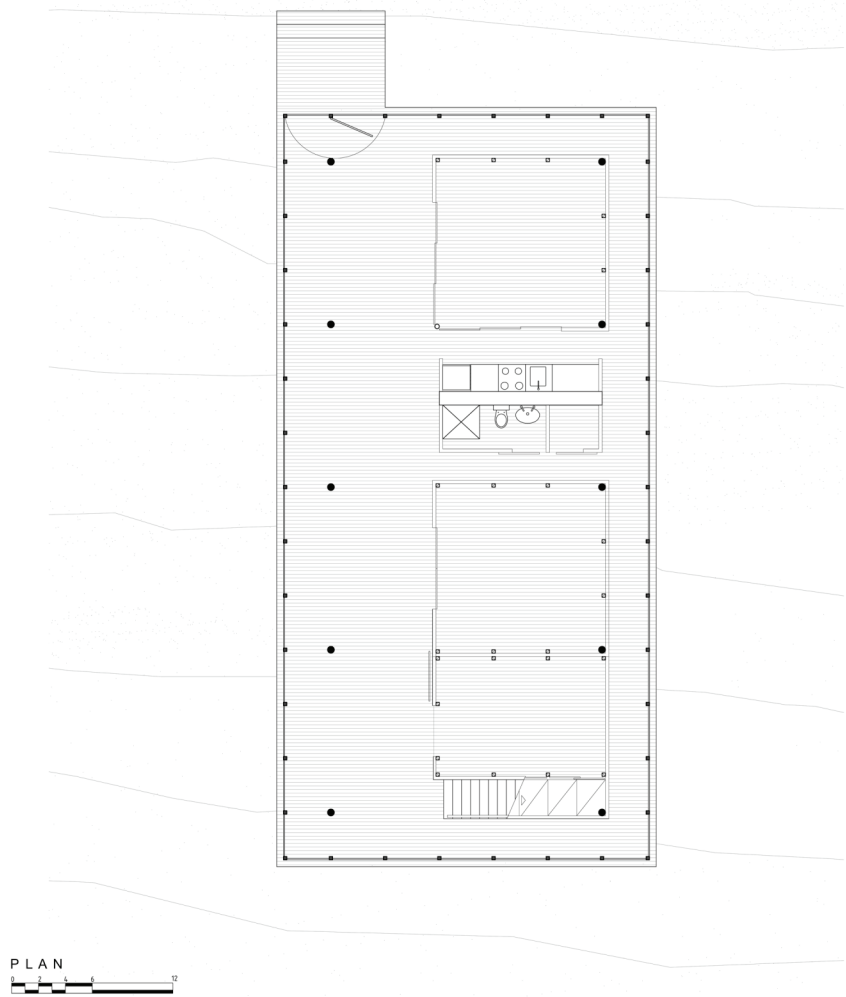




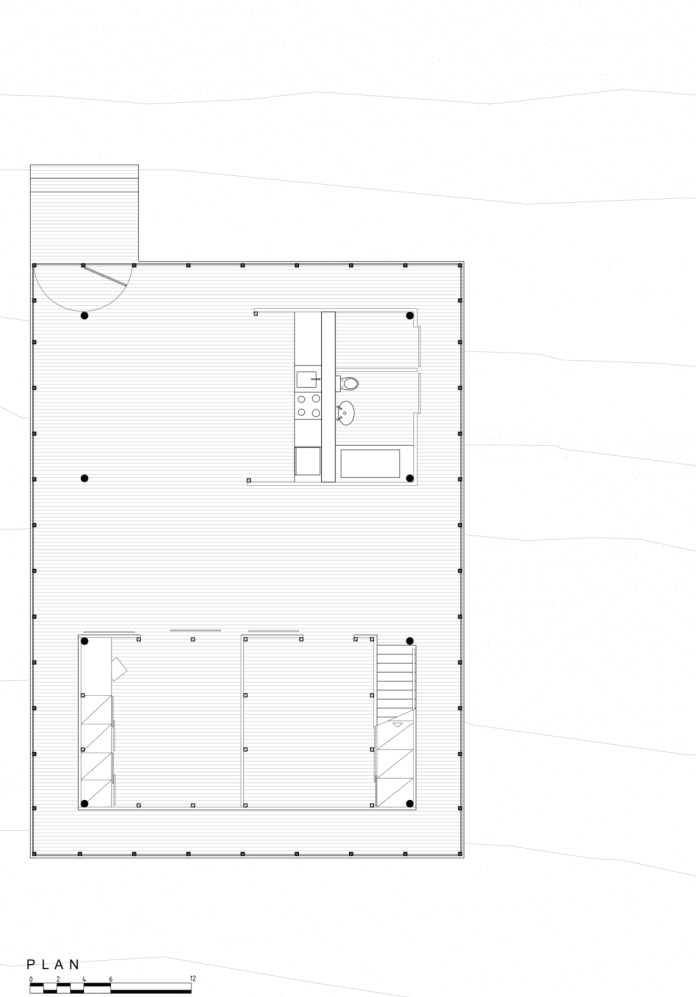




TYPE A house unit



TYPE B house unit

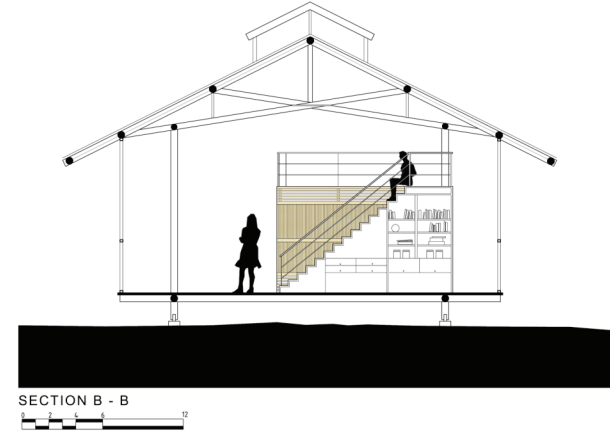
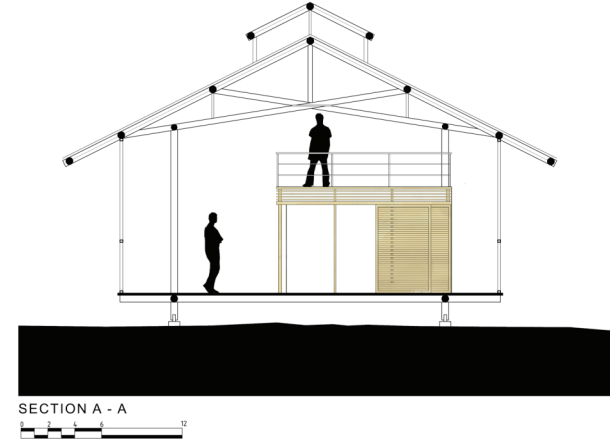
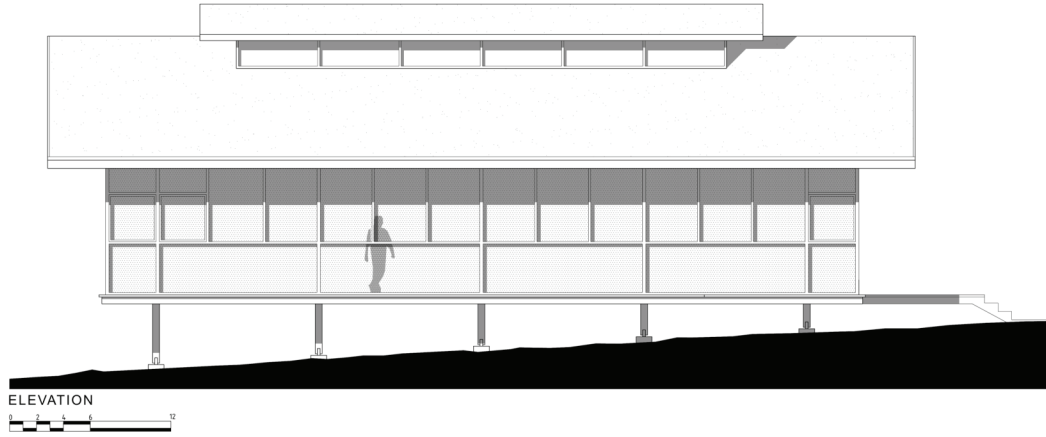


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TYPE A house unit



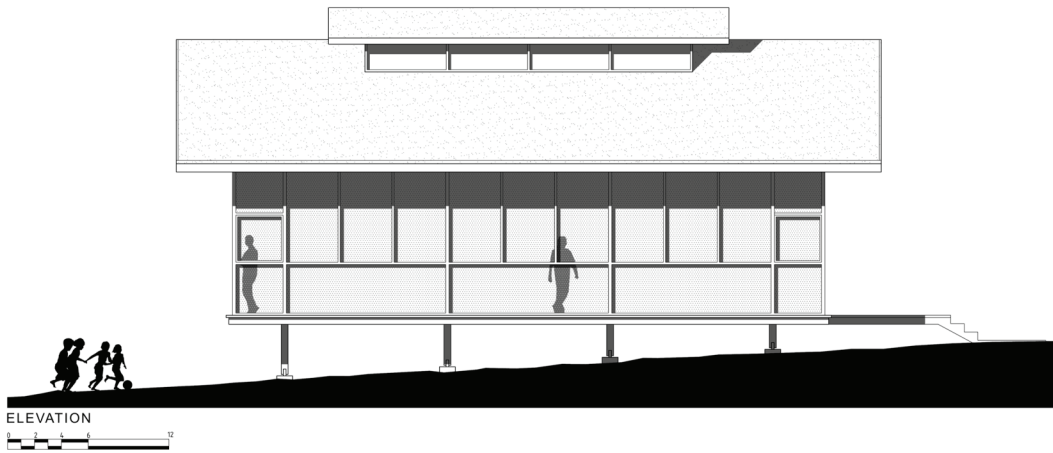
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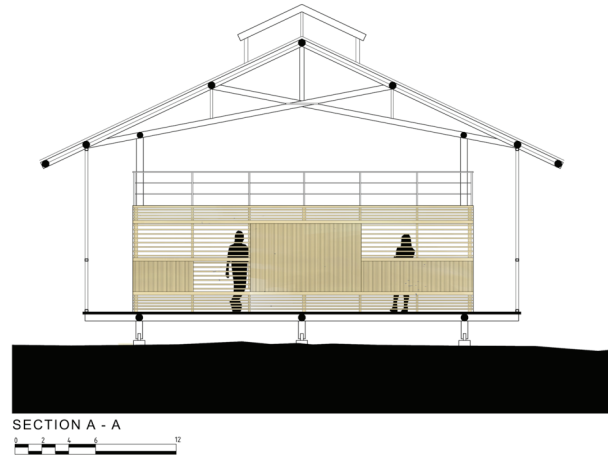
This project was developed as a response to a request for a house, which they
 present conditions for supporting the development of a new village, and
 for the role of construction in the development. In the end, the project was
 the design and program were the same, but the conditions for the design of
 the construction and the program were different. The project was developed
 and responsibility for the house and other projects of these buildings and processes.

UNIT TYPE A

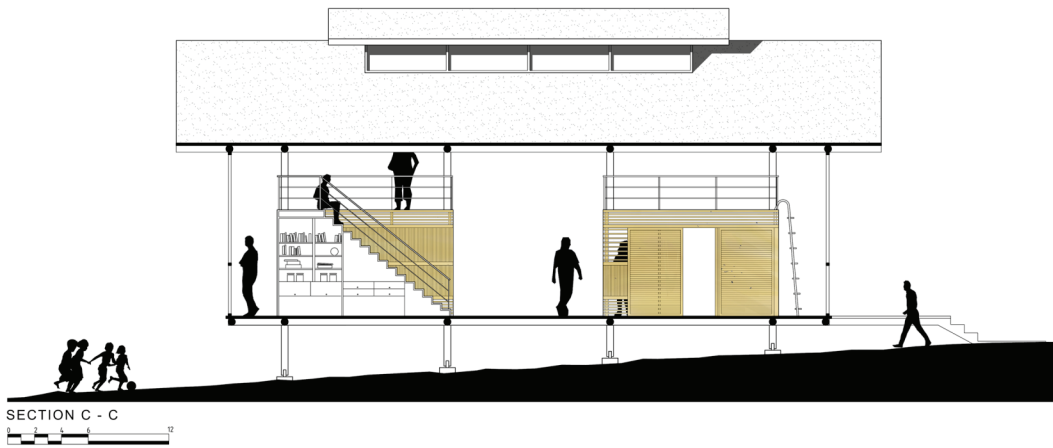
TYPE B house unit



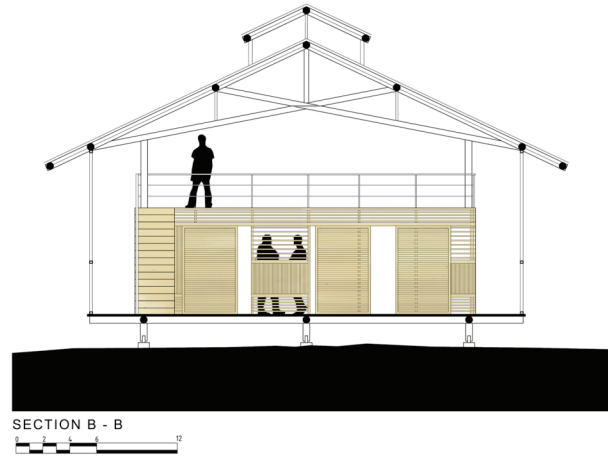
ELEVATION



SECTION A - A



SECTION C - C



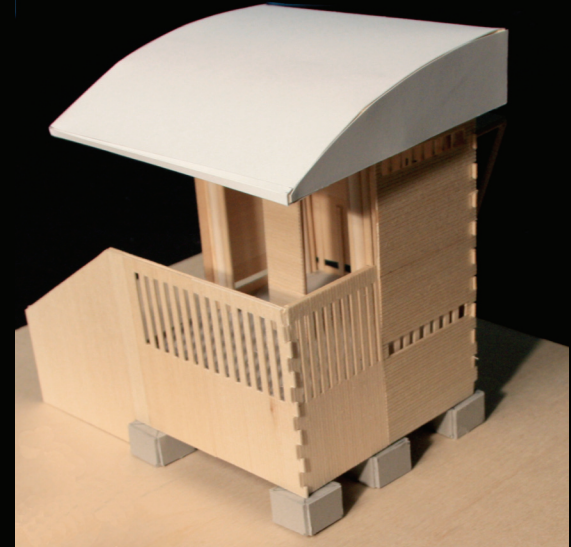
SECTION B - B

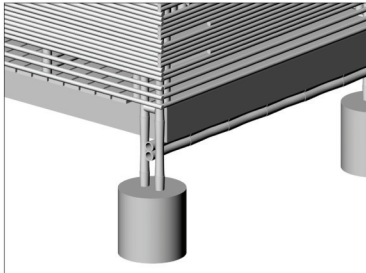
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This publication is for informational purposes only. While the present information is intended to assist in the development of a new village, it is not a contract and should not be used as a basis for any legal or financial decisions. The drawings and photographs shown here are preliminary and subject to change without notice. The architect and its consultants assume no responsibility for the results of their drawings and products.

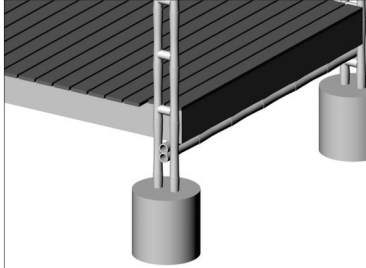
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UNIT TYPE B





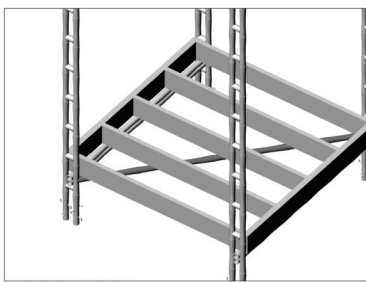
DETAIL @ COLUMN - FOOTING - CLADDING



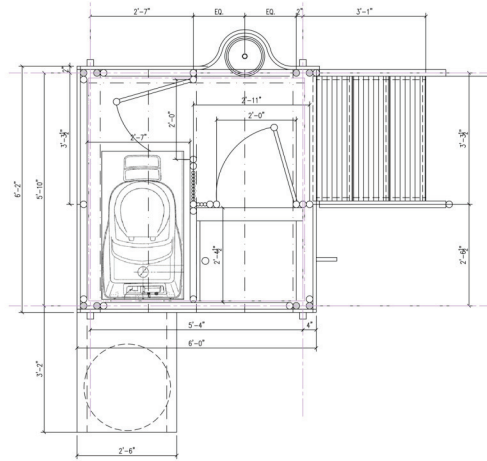
TRUSSED COLUMN ANCHORED INTO FOOTING



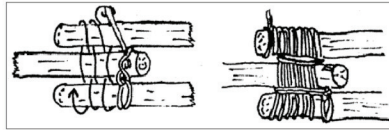
COLUMN J HOOKS AND BAMBOO BEAMS @ DECKING



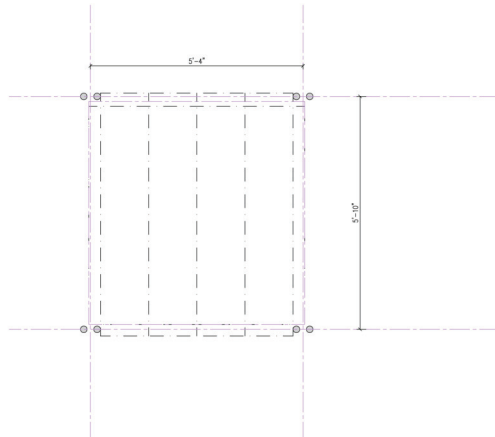
FRAMING DIAGRAM



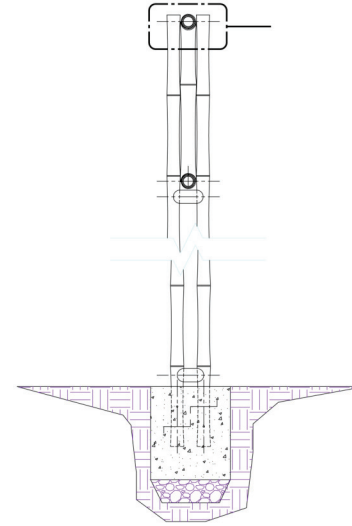
PLAN @ H3: 3/4" = 1'-0"



TRIPOD LASHING



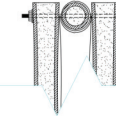
STRUCTURAL PLAN: 3/4" = 1'-0"



DETAIL @ TRUSSED COLUMN AND FOOTING: 1 1/2" = 1'-0"



PLAN DETAIL @ TRUSSED COLUMN BRIDGE: 1 1/2" = 1'-0"



SECTION @ TOP CHORD OF ROOF TRUSS AND COLUMN: 1 1/2" = 1'-0"



BENDING STRATEGY



HAWAII HYGENE HUT [H³]



LOCAL AND RECYCLED MATERIALS

SOLAR POWERED WATER SYSTEM









children are the future

Ben Bradley
Service Learning Program

The Brown Fund, MIT Dept. of Architecture

Jyoti and Andre Ulrych

The Kohala Center

MAHALO!