

A perpetual living system



Residential (subject to growth)



Are the principles and guidelines of modularity sufficient to accommodate a community and yield a city?



A very dense area, larger than a town



A thickly populated area, larger than a village



UTLLAGE

The collective of small communities



COITHTIUMETY

Locally inhabited by a group, sharing common interests, perceived as distinct



Cut cost (prefab)
Cut time (prefab)
Cut waste (prefab)
low initial use of land
Promote pedestrian life style (walkability)

Futurist and architect Antonio Sant'Elia once said, "Things will endure less than us, every generation must build its own city."



Create city using modules

Create neighborhood

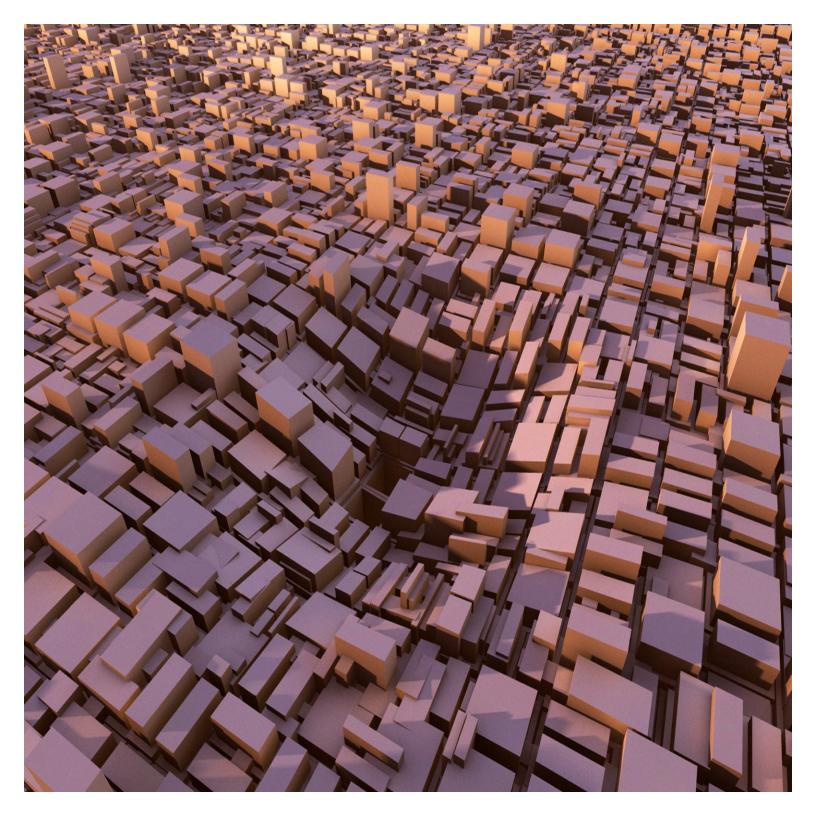
Create MODULE (what is a module?)

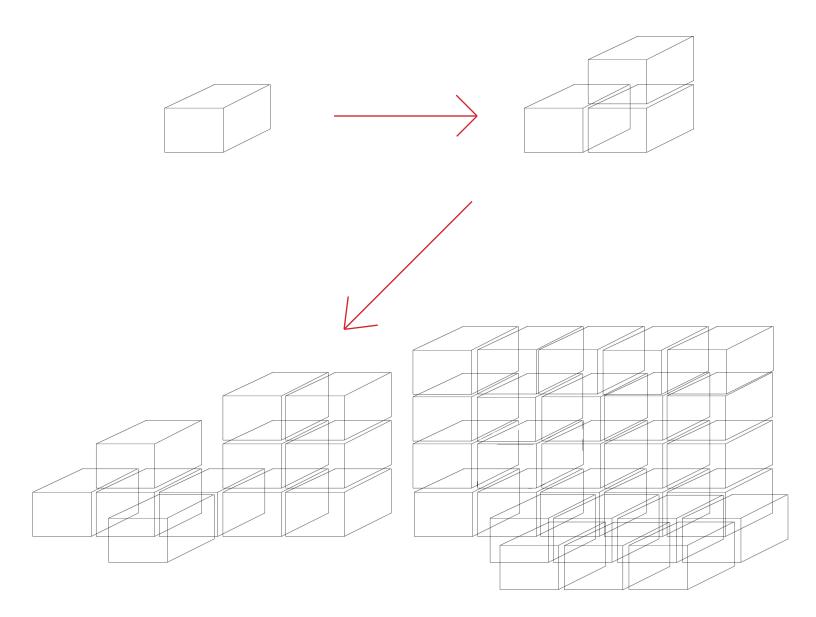


MODULAR: Designed with standardized units or dimensions, as for easy assembly and repair or flexible arrangement and use

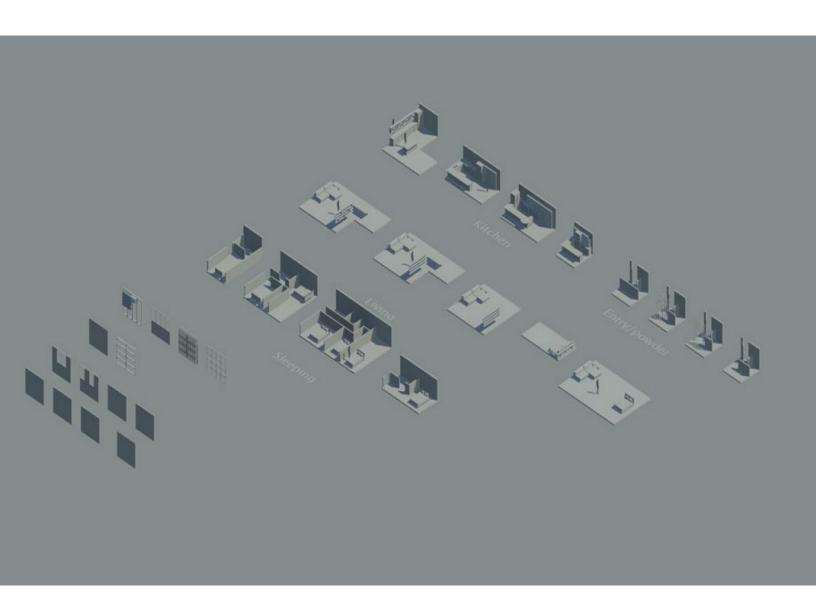
MODULAR DESIGN: Approach that subdivides a system into smaller parts (modules) that can be independently created and then used in different systems to drive multiple functionalities

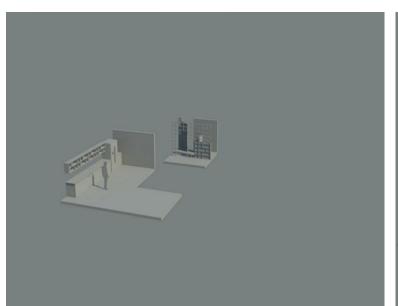
THE MODULE: Unit of space which is occupiable and independent

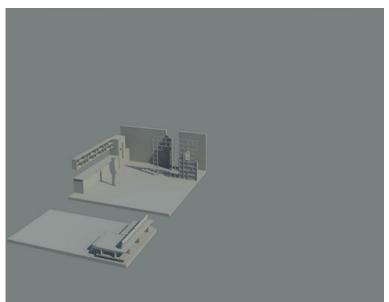


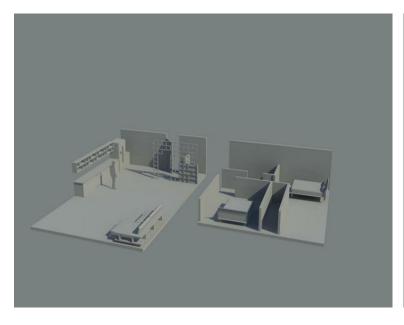


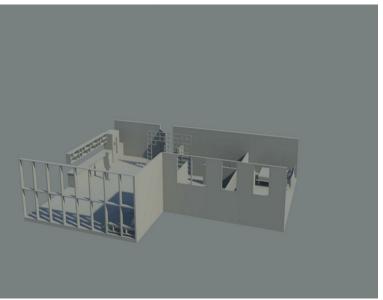
THE DESIGN: Type 1

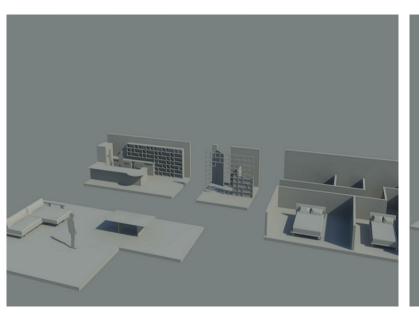


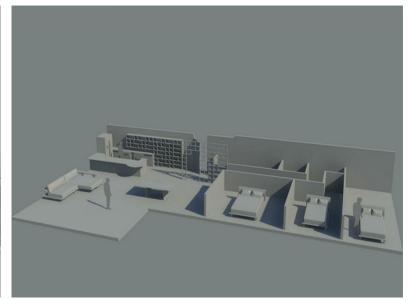


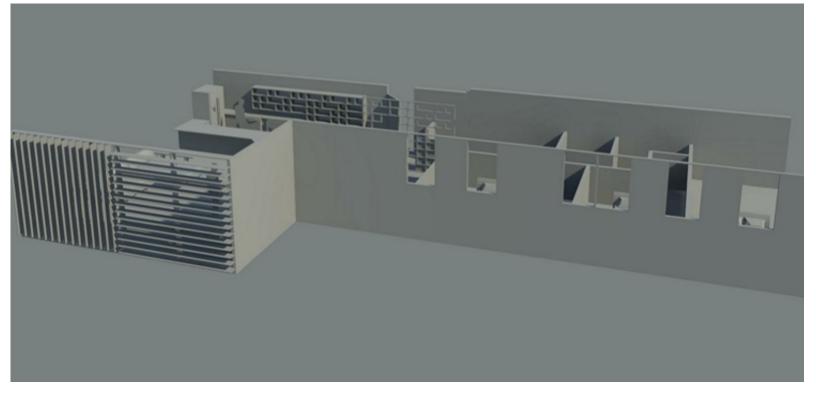


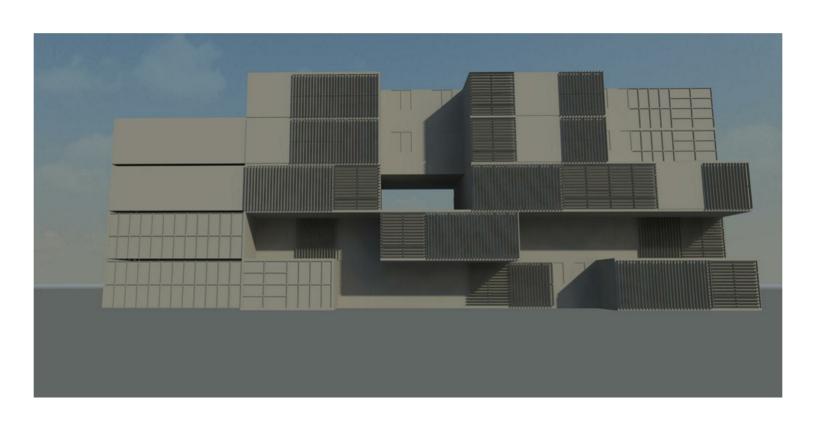














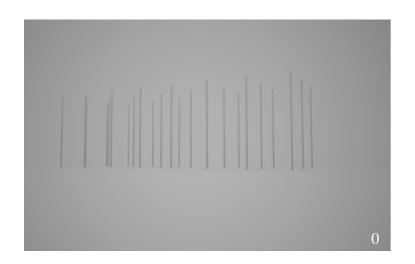
Structure?



More massing investigation



Alternating module typologies









Structure investigation - skeleton?



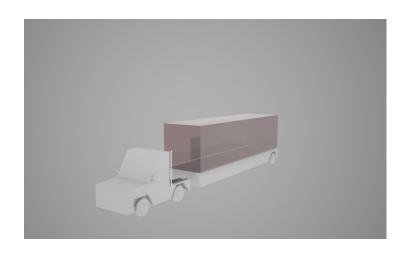
THE NEW DESIGN: what was liked? what was needed?

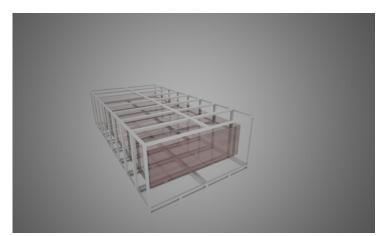
CUSTOMIZABLE: Each owner must have options.

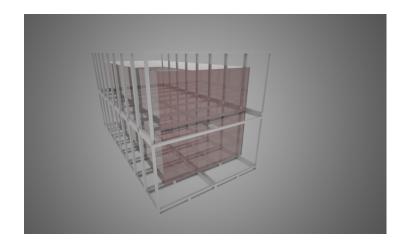
THEORETICALLY "ATTACHABLE": though not structurally, the ways in which units could be attached and manipulated is the basis of my project

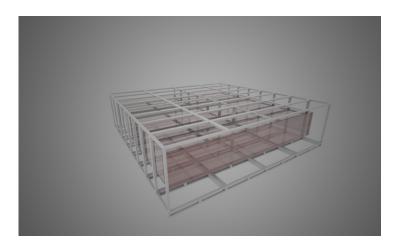
STRUCTURE: A logistical solution was needed to have multiple units able to attach and detach.

MORE PARAMETERS: A need for a single, fixed volume of unit was needed to continue on with a concrete solution.



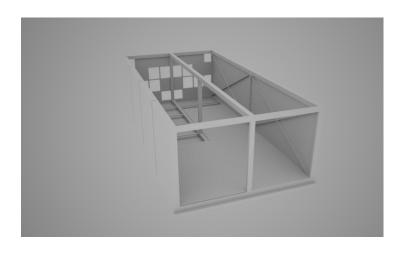


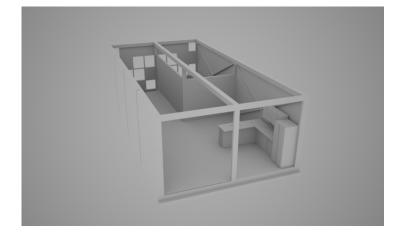










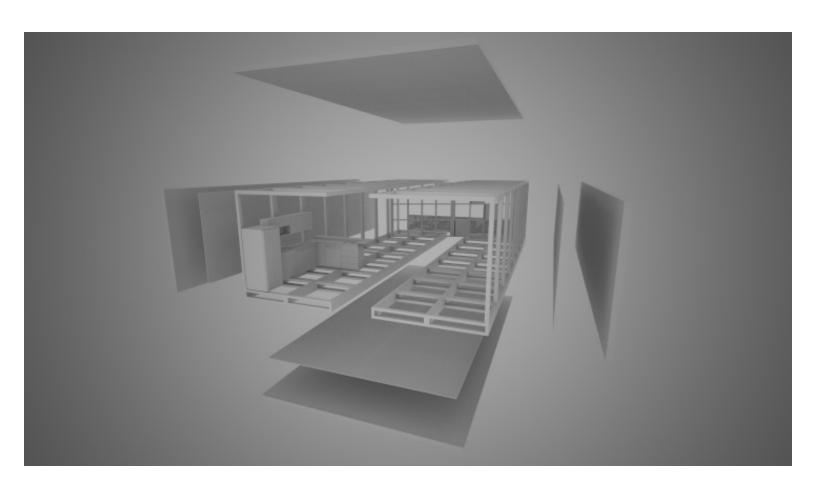


20'-40', roughly 750 sqft living space

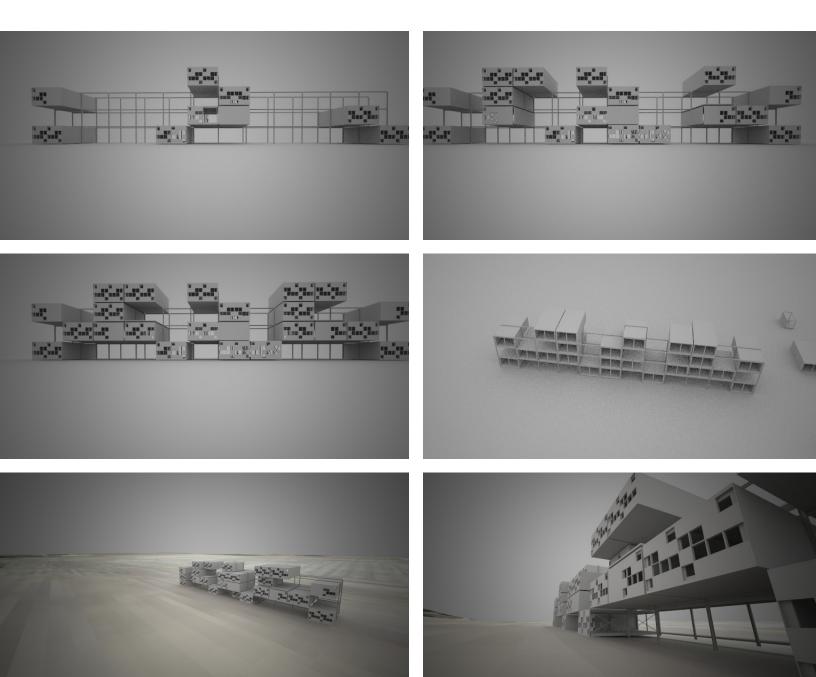




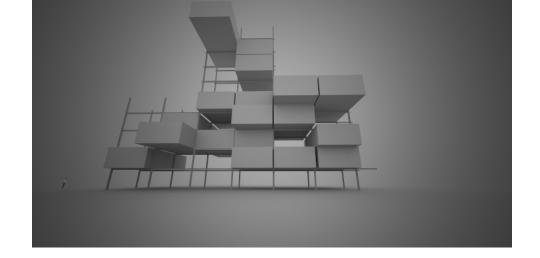


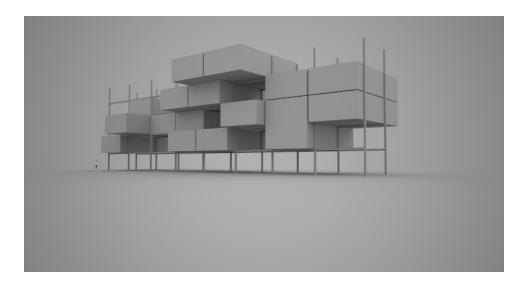


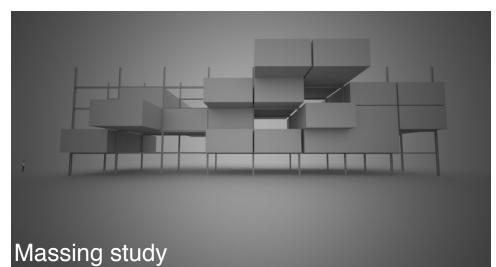
Construction

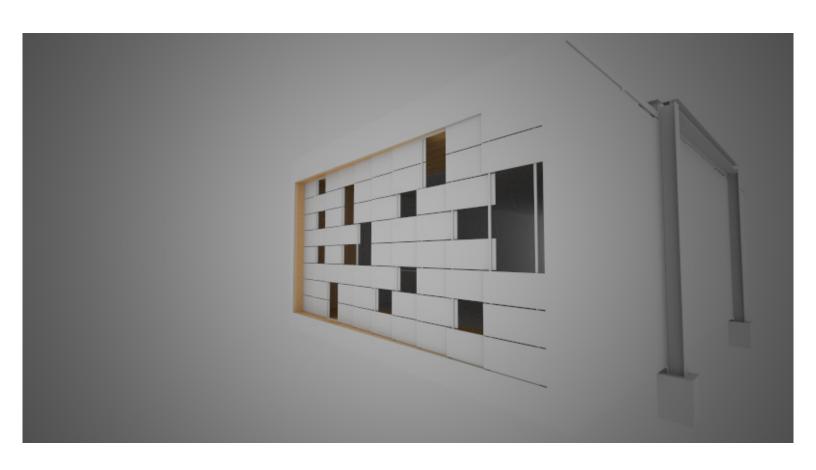


Massing study

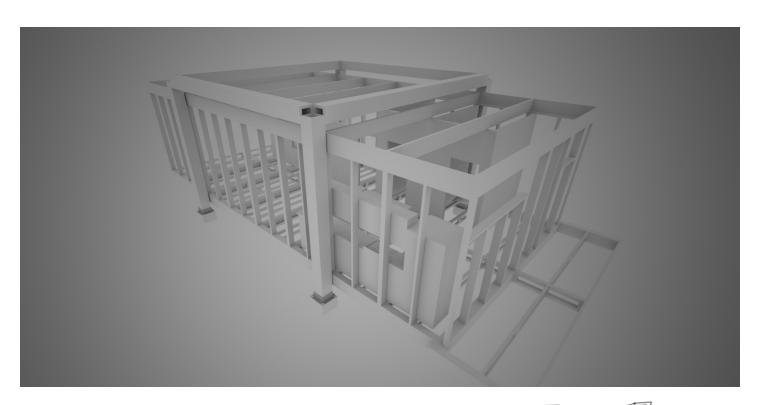


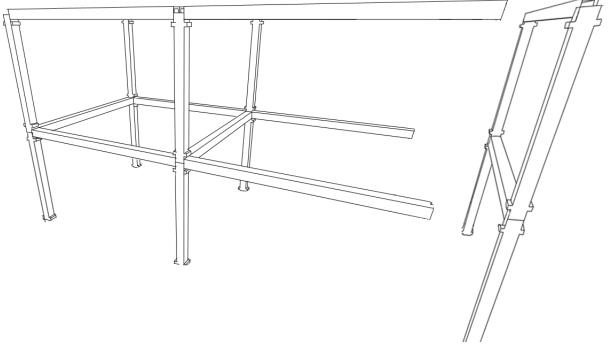




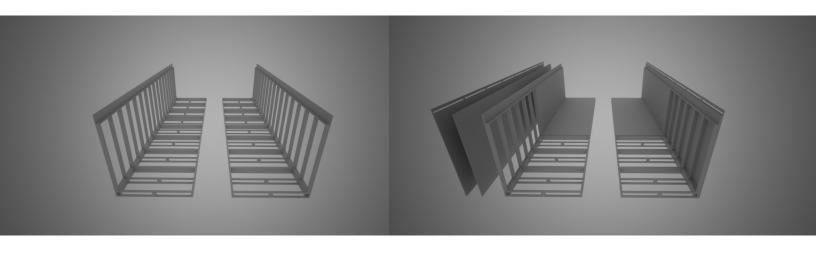


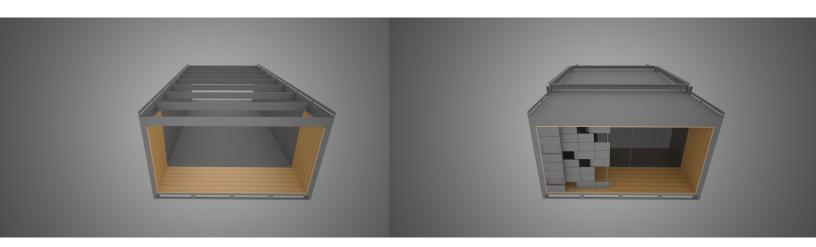
The exoskeleton







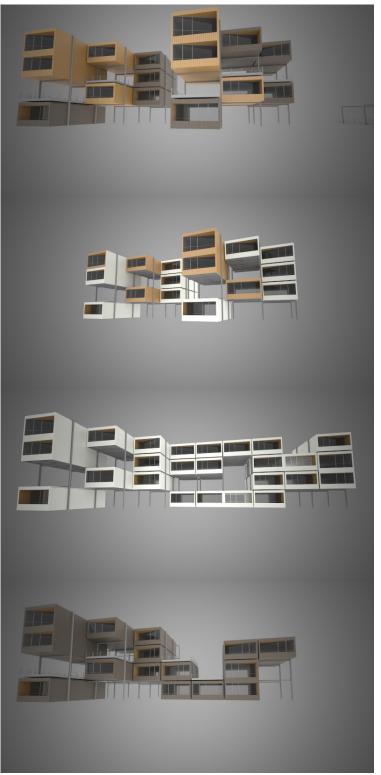


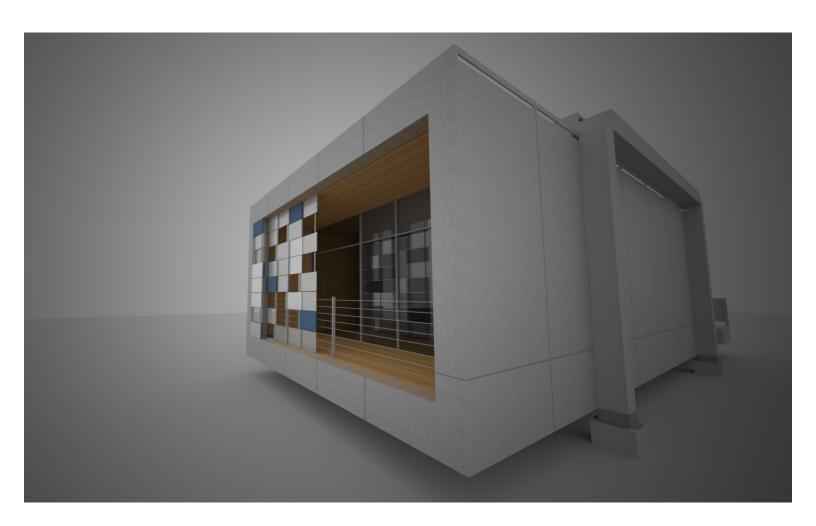




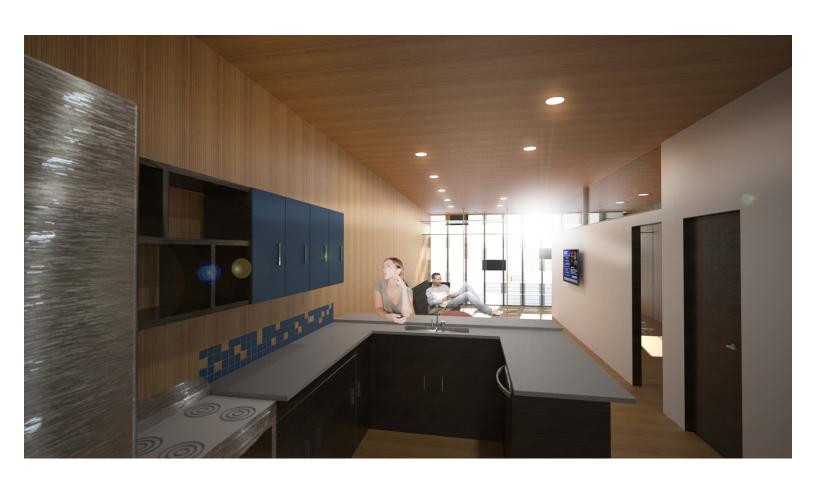
1br, studio

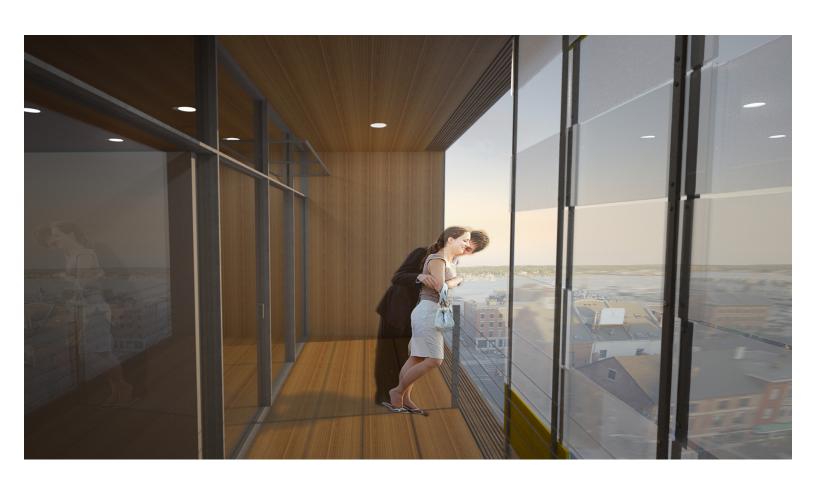




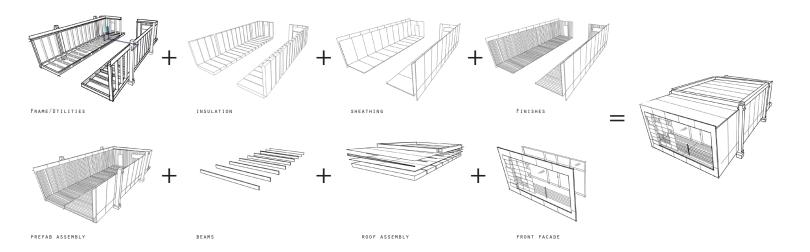


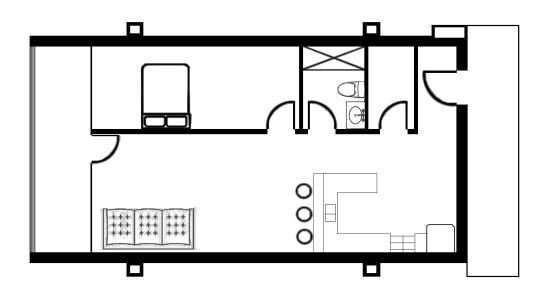


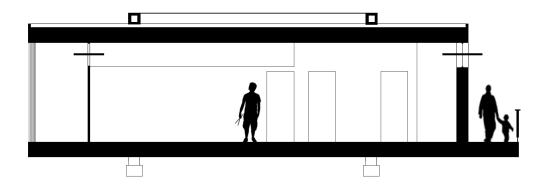


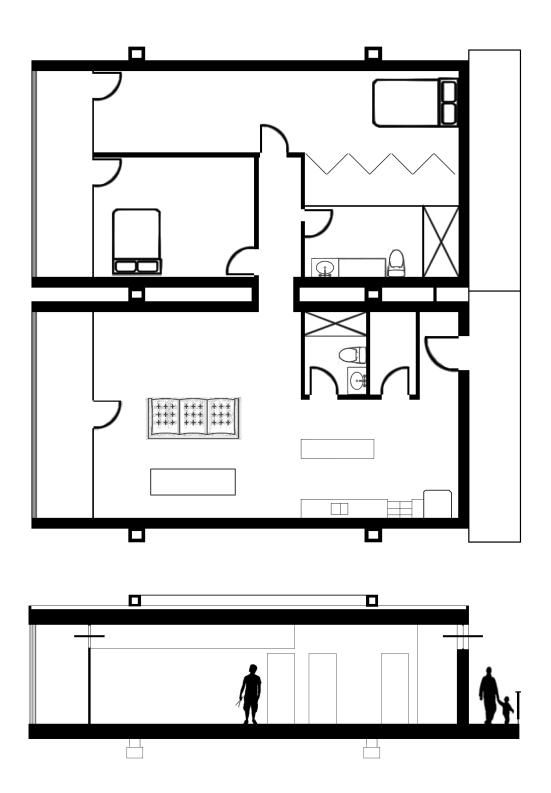


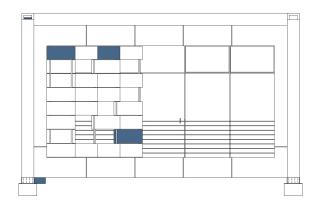
Build Prefab + Site Construction

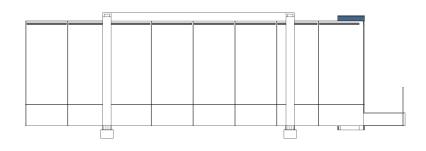


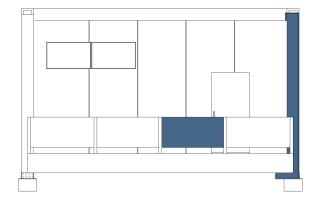


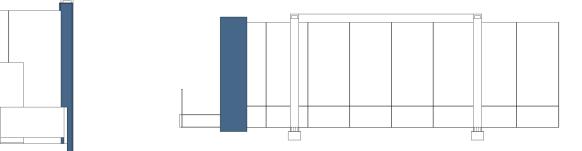




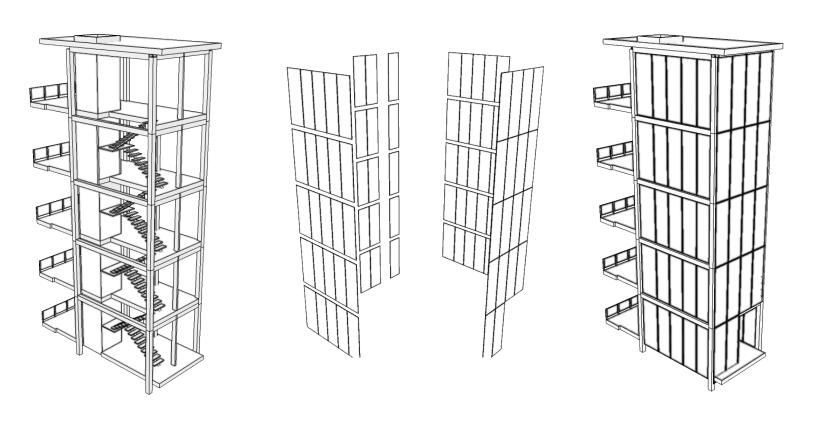


















RELOCATE







