PLUG IT IN

A perpetual living system
Typology

Residential (subject to growth)
STATEMENT

Are the principles and guidelines of modularity sufficient to accommodate a community and yield a city?
CITY
A very dense area, larger than a town

TOWN
A thickly populated area, larger than a village

VILLAGE
The collective of small communities

COMMUNITY
Locally inhabited by a group, sharing common interests, perceived as distinct
Futurist and architect Antonio Sant’Elia once said, “Things will endure less than us, every generation must build its own city.”
CONCEPT

- Create city using modules
- Create neighborhood

Create MODULE (what is a module?)

Prefabrication
CONCEPT

**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

Frame/Utilities + Insulation + Sheathing + Finishes = Prefab Assembly + Beams + Roof Assembly + Front Facade
RESULTS
Relocate