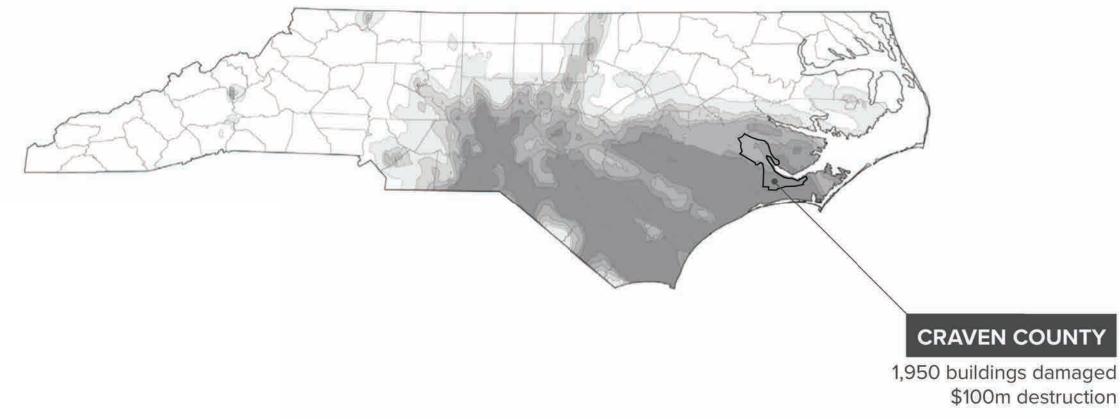




### Disaster Declaration

#### Hurricane Florence





#### October 2018 [one month after debris]:

"families [in New Bern] with damaged homes and unlivable apartments hadn't heard anything from FEMA about temporary housing."

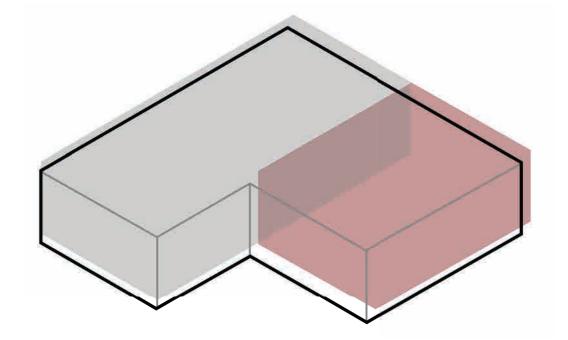
-The Atlantic, 10/04/18

### December 2021 [three years after debris]:

Florence-damaged buildings at Trent Court are still awaiting final FEMA approval

-Sun Journal, 12/13/21

# **Core+**Project Statement



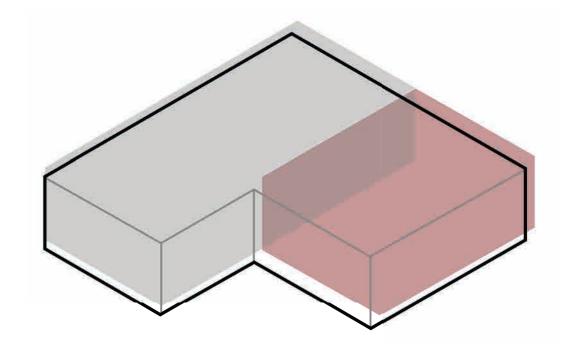
Employing a prototypical system of rapid deployment post-disaster wherein affected residents are immediately provided with basic core units, and able to later custom expand based off preference.

To avoid relocation, cores are built in place of the destroyed home and expansions rehabilitate destroyed home pieces, if possible.\*

The model is designed so residents can continue to reside in the self-sustaining core while expansion construction is ongoing.

\*if not, the expansion is started afresh instead of leveraging destroyed home materials





#### Low maintenance

Prototypical rapid deployment Not site specific

#### **Prefabricated Core**

Off-site

Reduces specialized labor (greater volunteer ability + participation)

Decreases construction time/cost

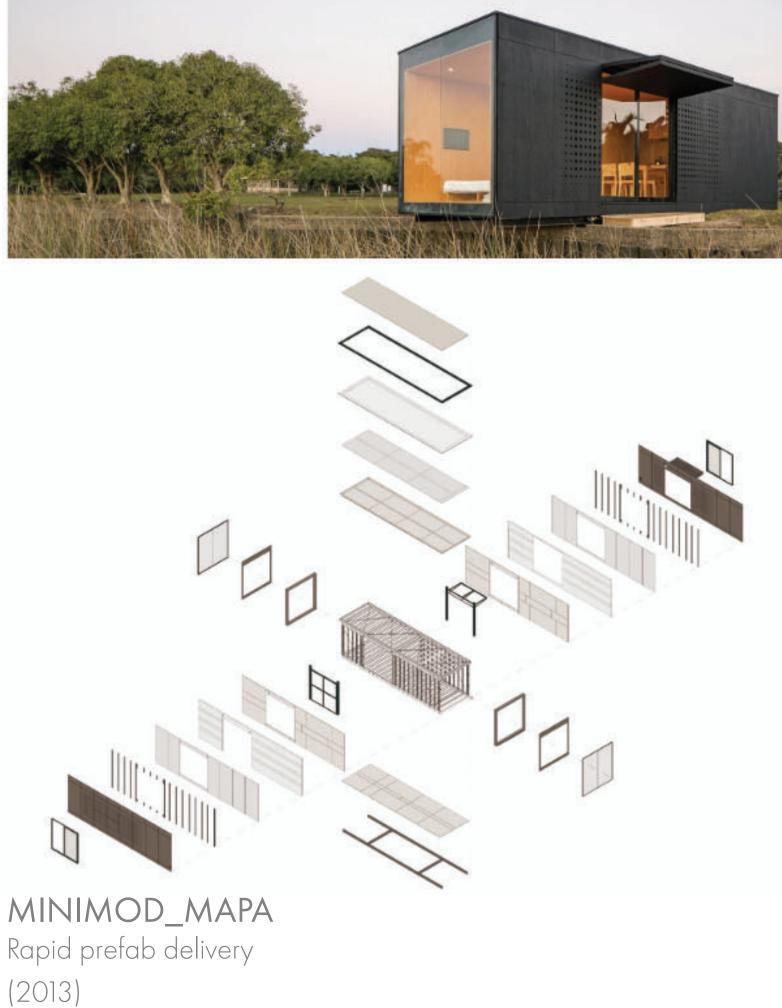
#### Resident-determined/community engagement

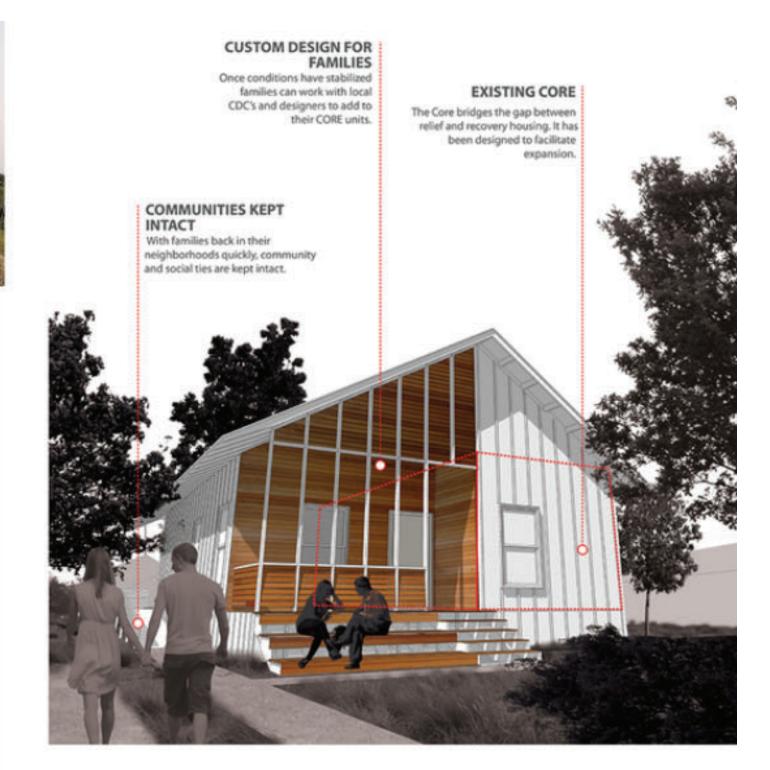
Pre-designated 'packets' wherein residents can determine from 'catalog' for expansion (bolt-on units)

### Coret

### Delivery, Assembly, Implementation Precedents

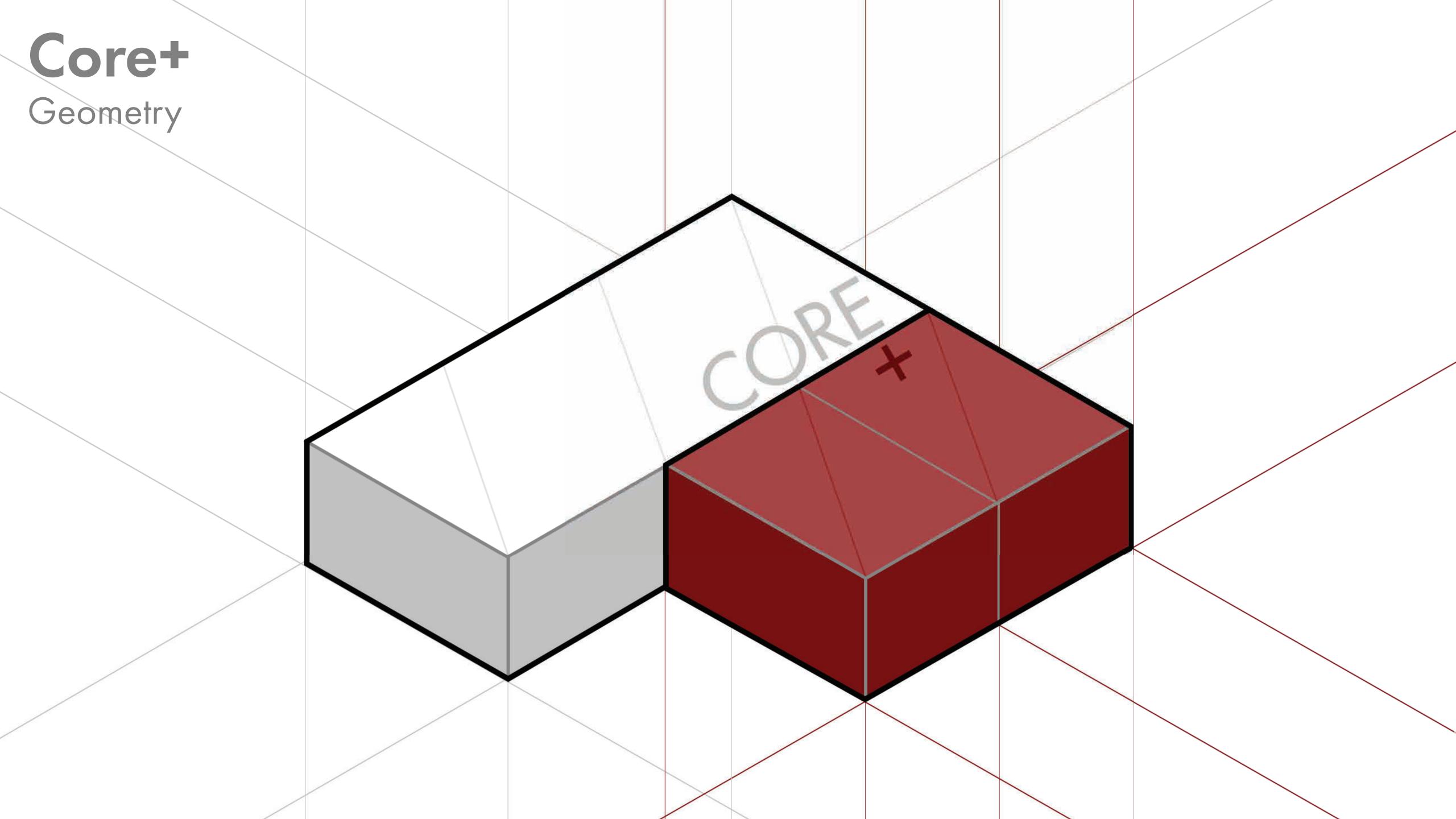






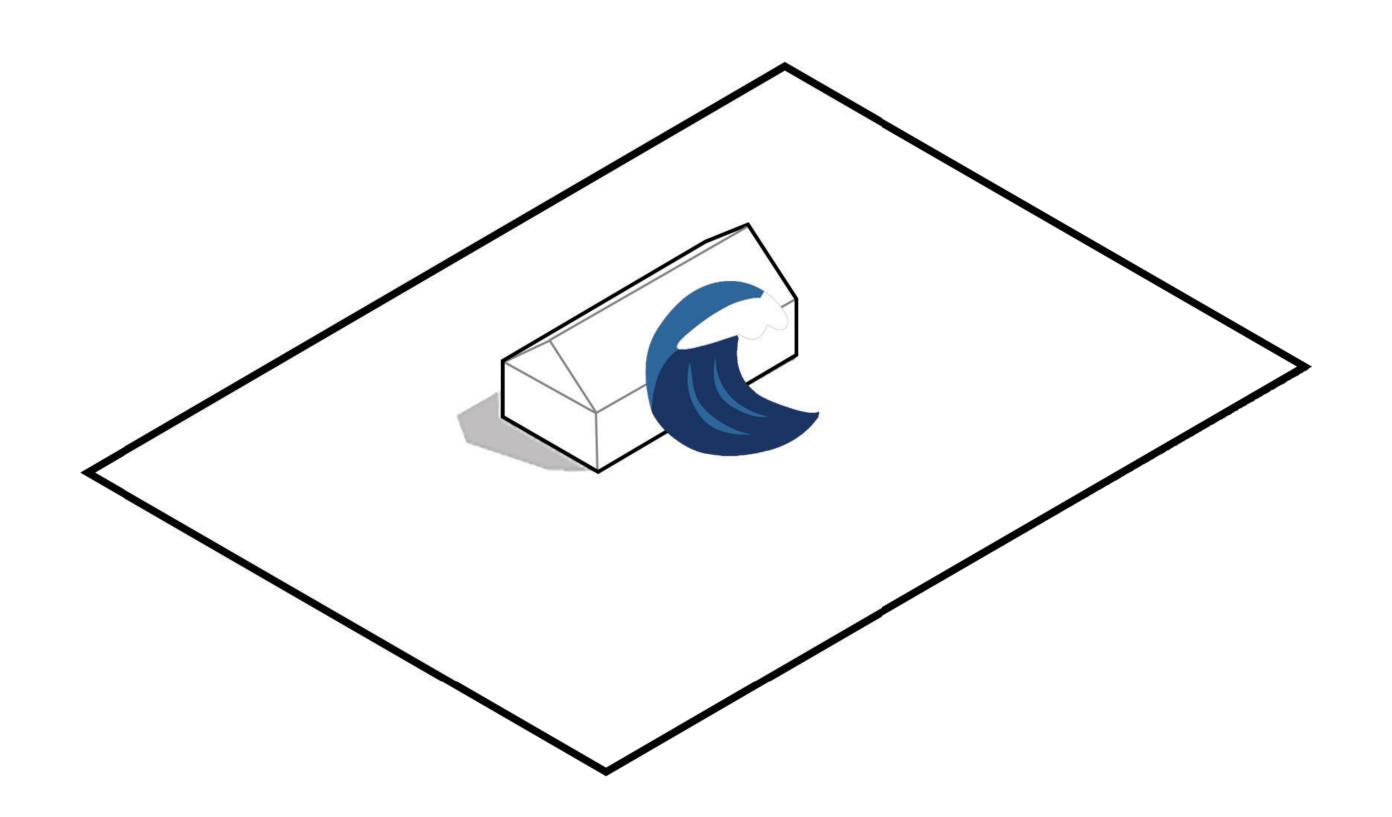
Core Disaster Recovery post Central Java Earthquake in Indonesia (2006)

RAPIDO\_bc Workshop post Hurricane Dolly in Texas (2008)





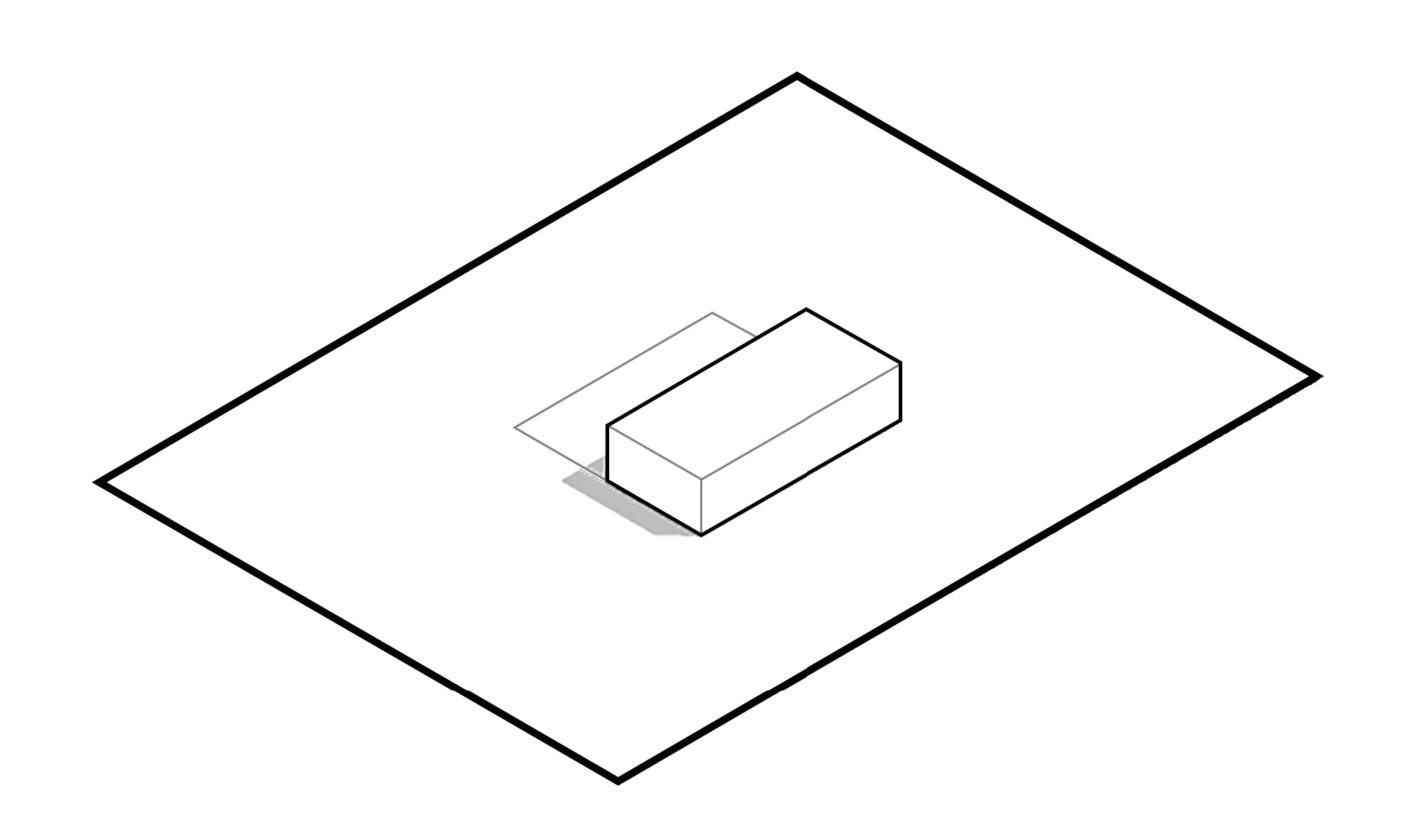
### DESTRUCTION





DESTRUCTION

TRANSITIONAL

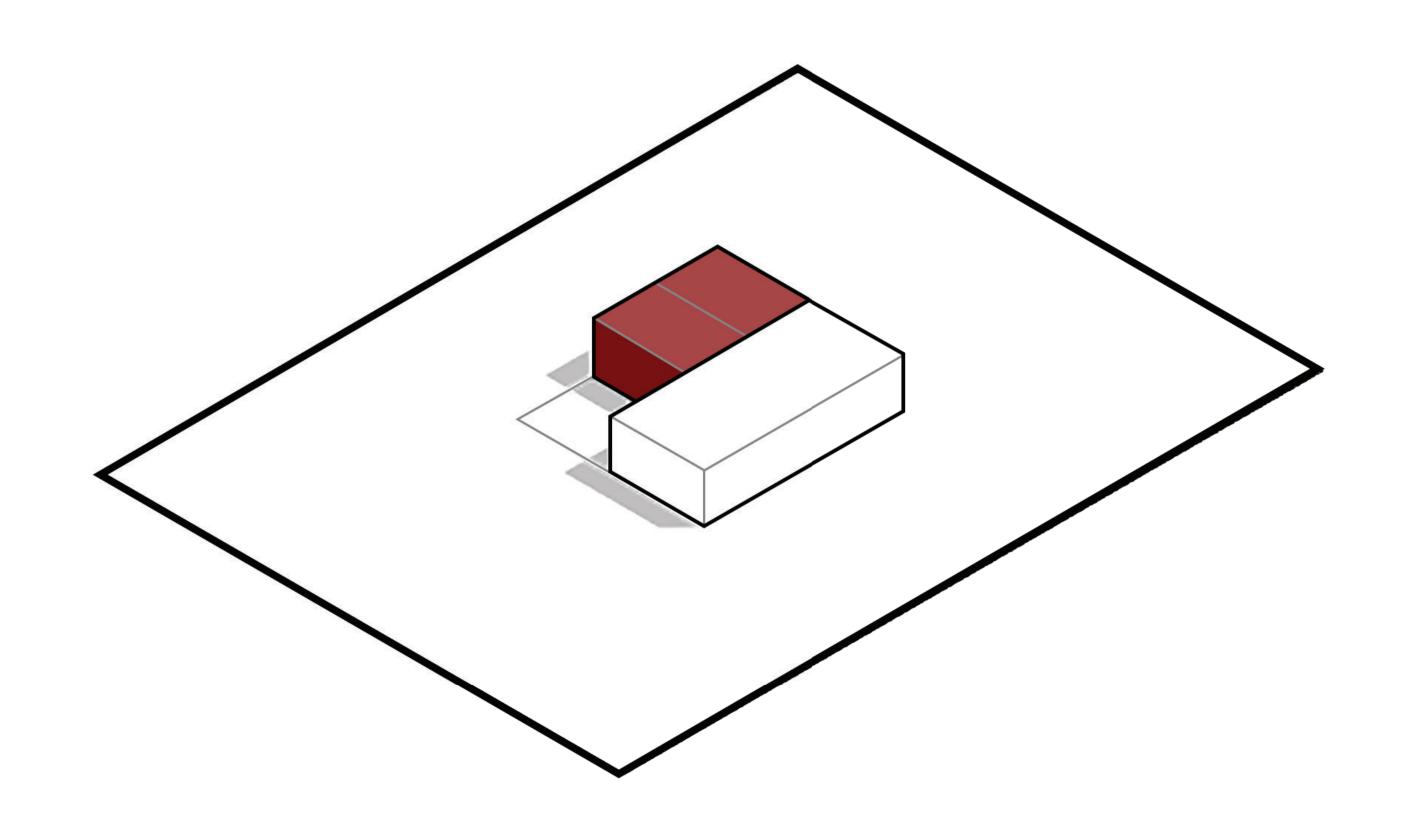




DESTRUCTION

TRANSITIONAL

PERMANENT

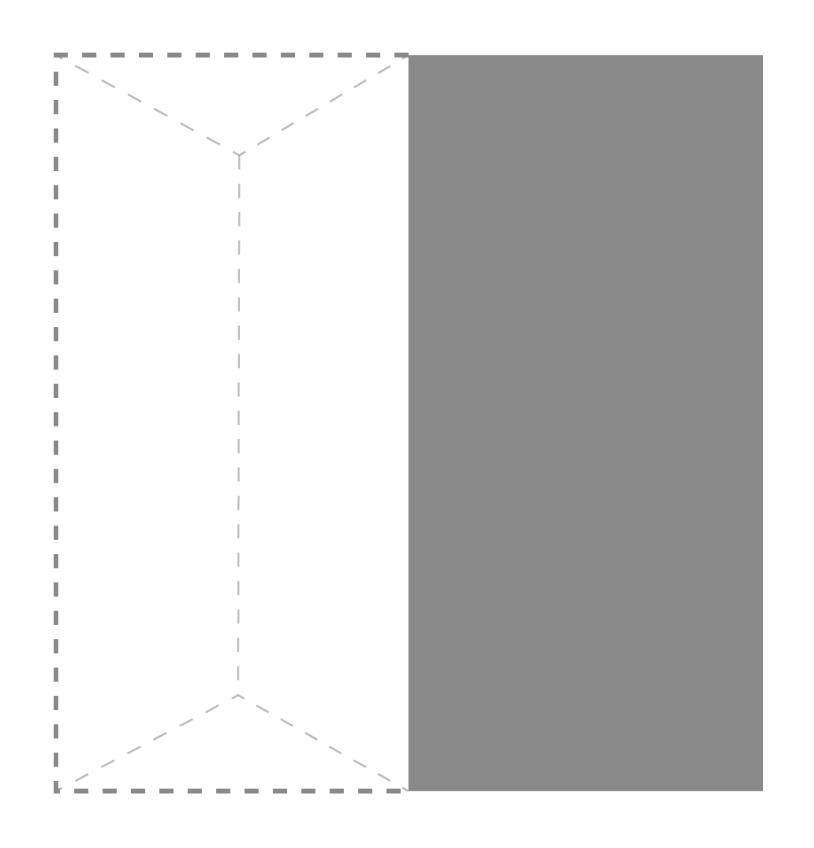


# Core+ Assembly + Delivery

DESTRUCTION

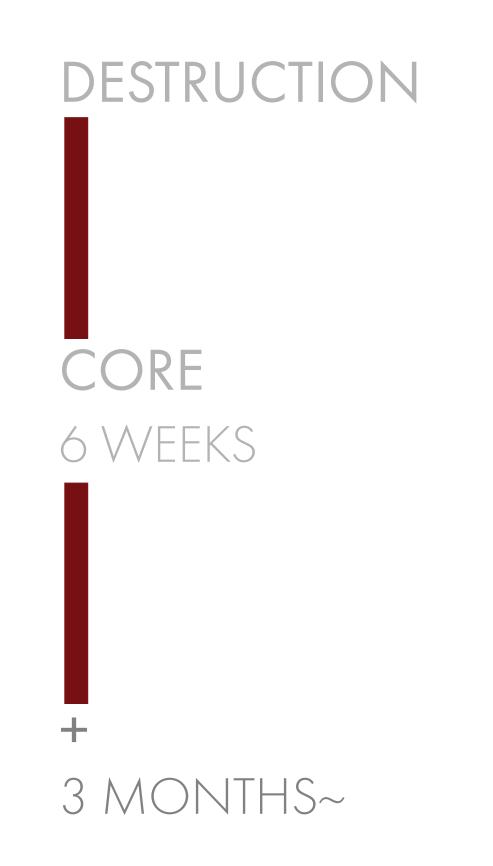
CORE

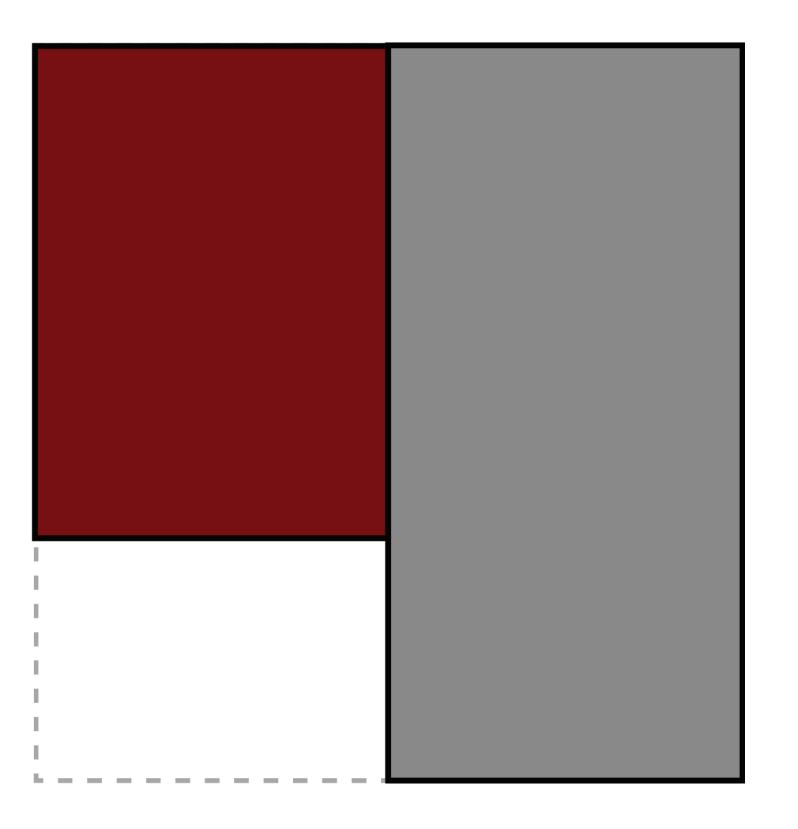
6 WEEKS



# Coret

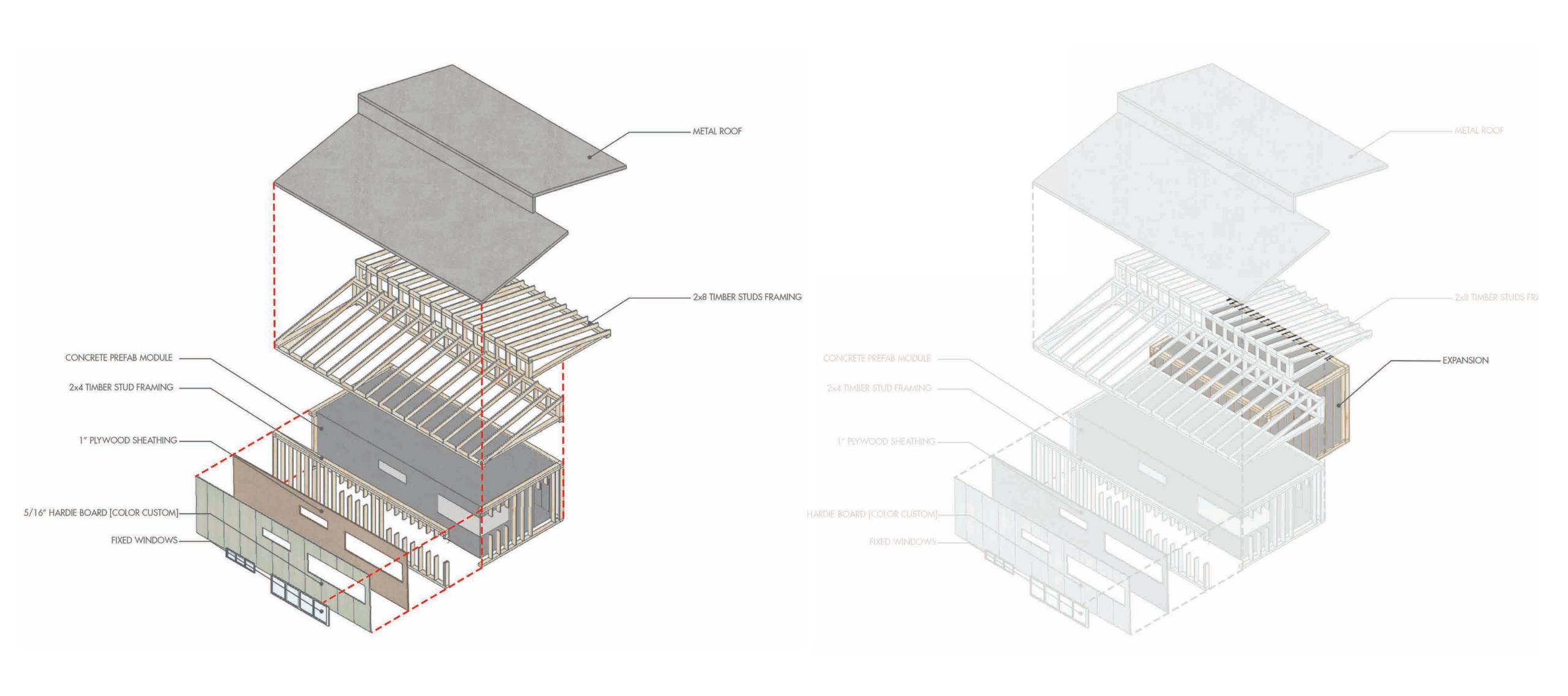
Assembly + Delivery

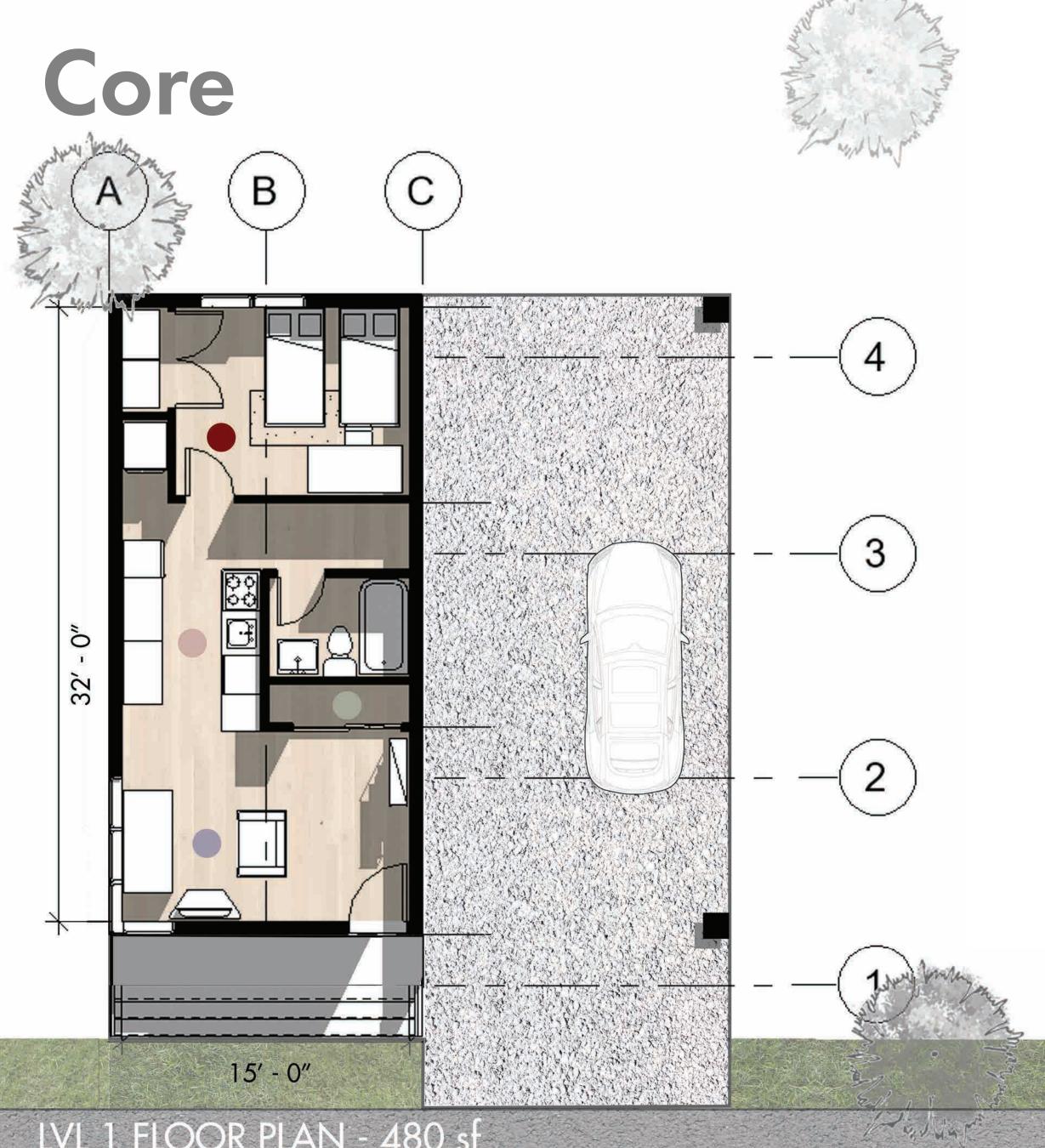


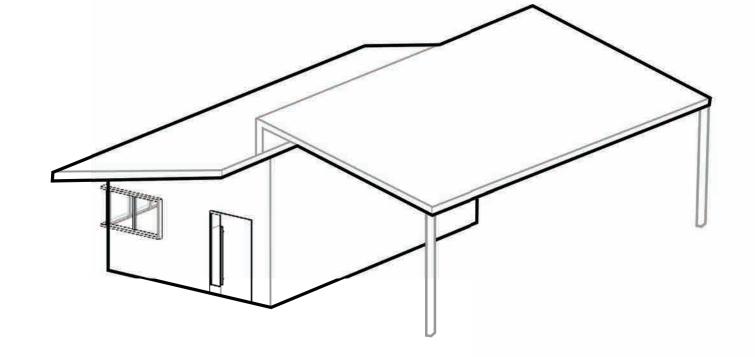


### Coret

### Assembly + Delivery



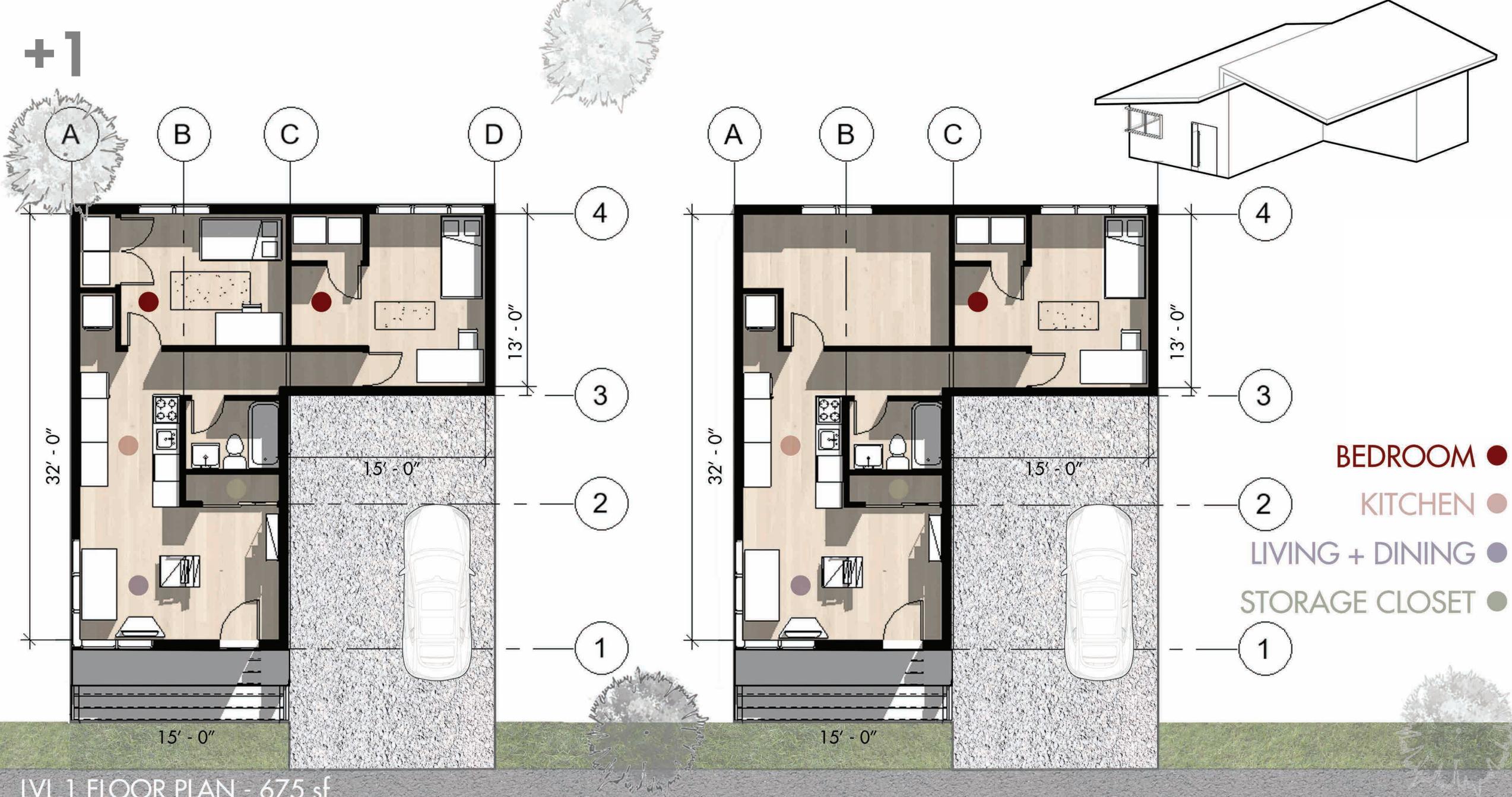




- BEDROOM
  - KITCHEN •
- LIVING + DINING •
- STORAGE CLOSET

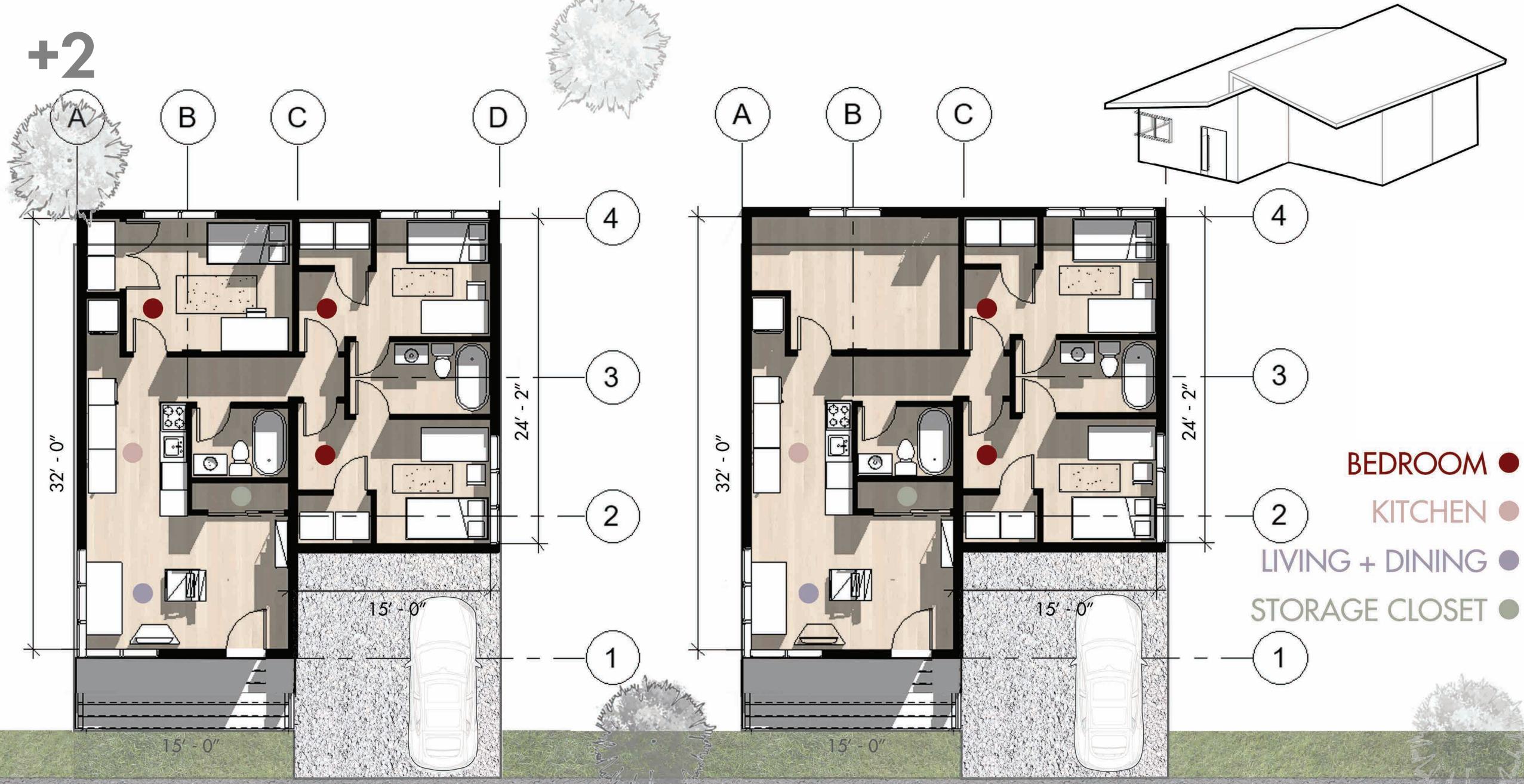


 $\bigcirc$  1/4" = 1'- 0"



LVL 1 FLOOR PLAN - 675 sf

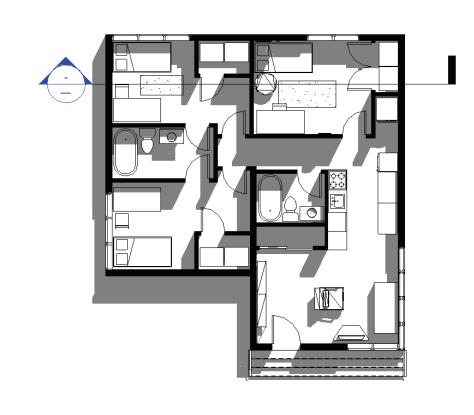
 $\bigcirc$  1/4" = 1'- 0"

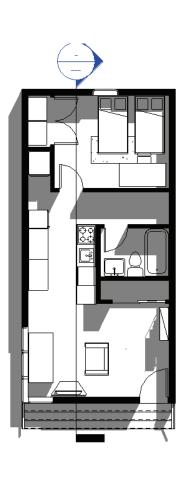


LVL 1 FLOOR PLAN - 850 sf

 $\bigcirc$  1/4" = 1'- 0"

# Building Sections



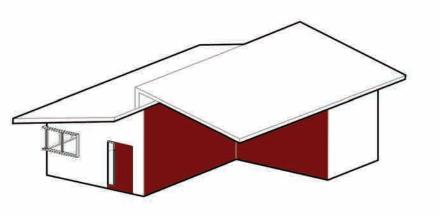




### Material Palette

#### **EXTERIOR WALL FINISHES**

#### WOOD-STAINED HARDIE BOARD VERTICAL SIDING





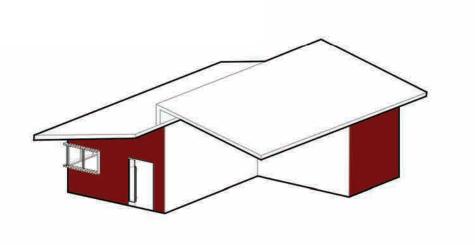


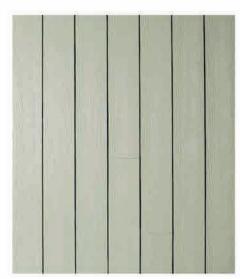


#### **RECOMMENDED COMBOS**



#### COLOR-PRIMED HARDIE BOARD LAP SIDING





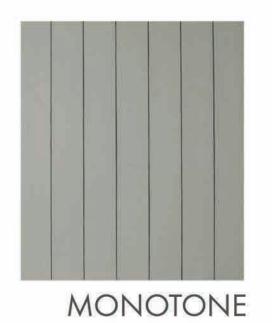
SAGE















## Scattered Sites

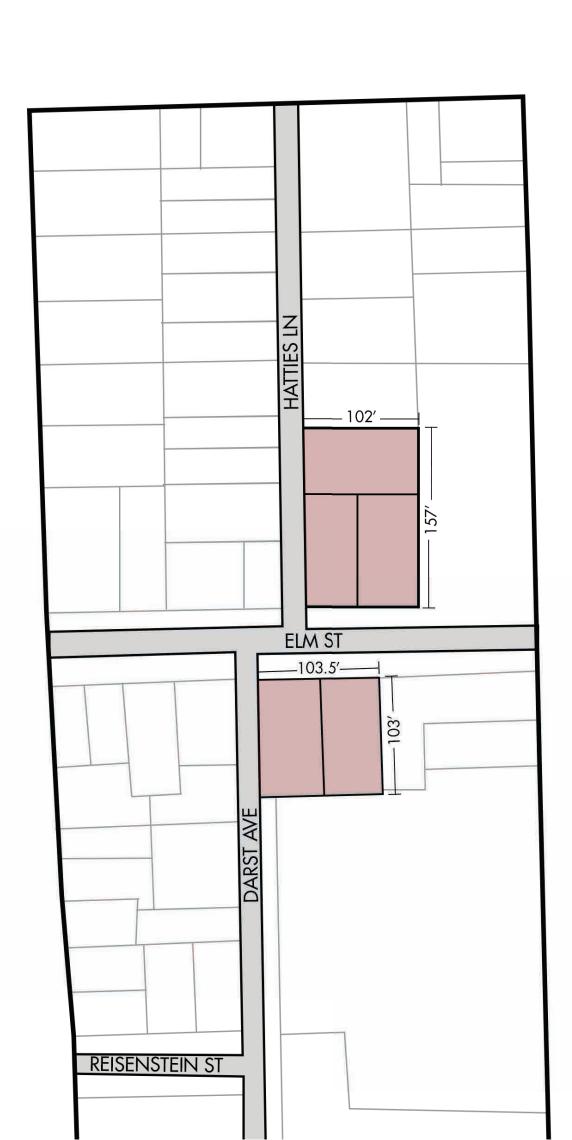




ElmSt

## Zone 1

Site







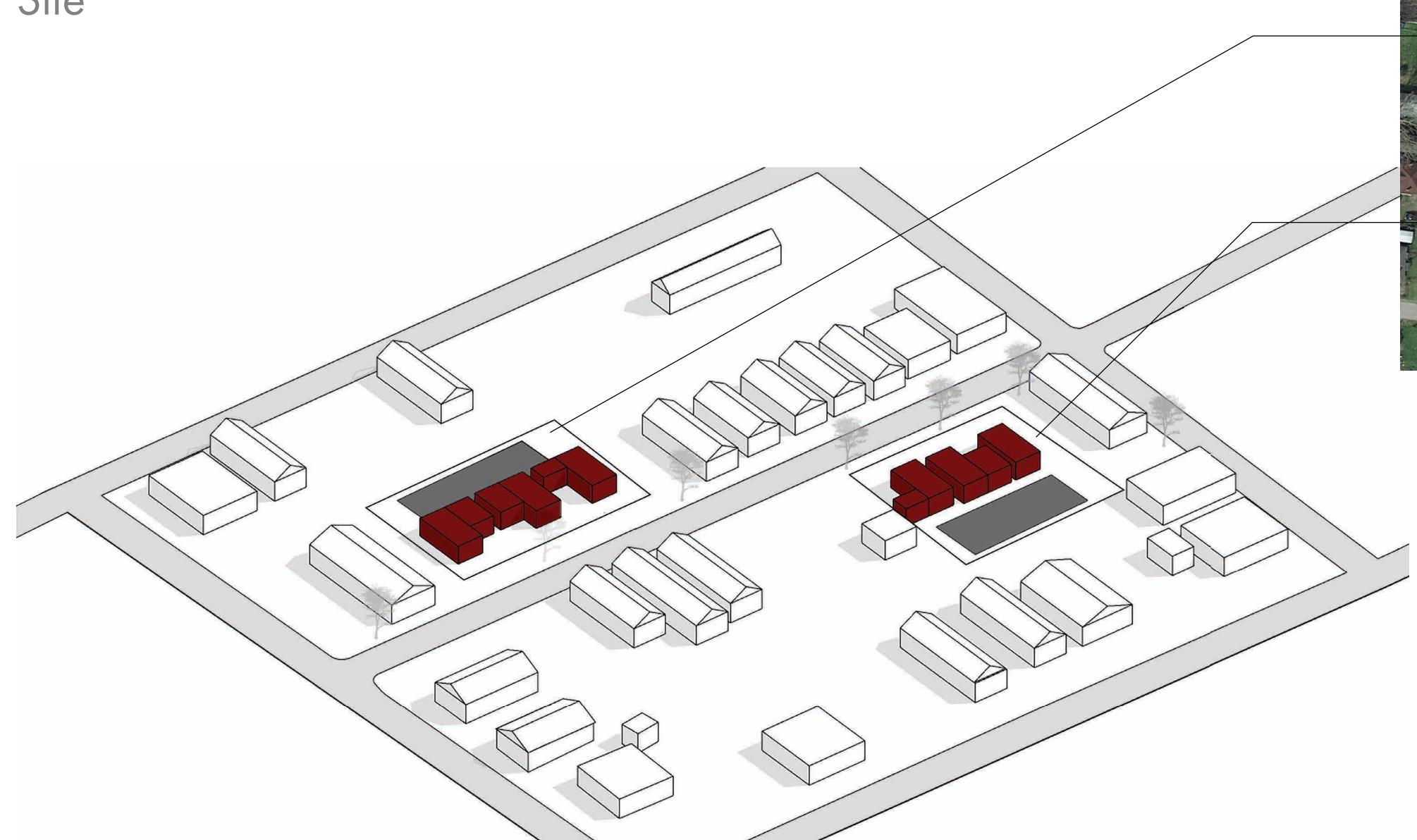






### Zone 2

Site





### Zone 2

Site

