

2020 FIRST PLACE

Nicholas Earman

UNIVERSITY OF CINCINNATI

FACULTY ADVISOR - TERRY BOLING

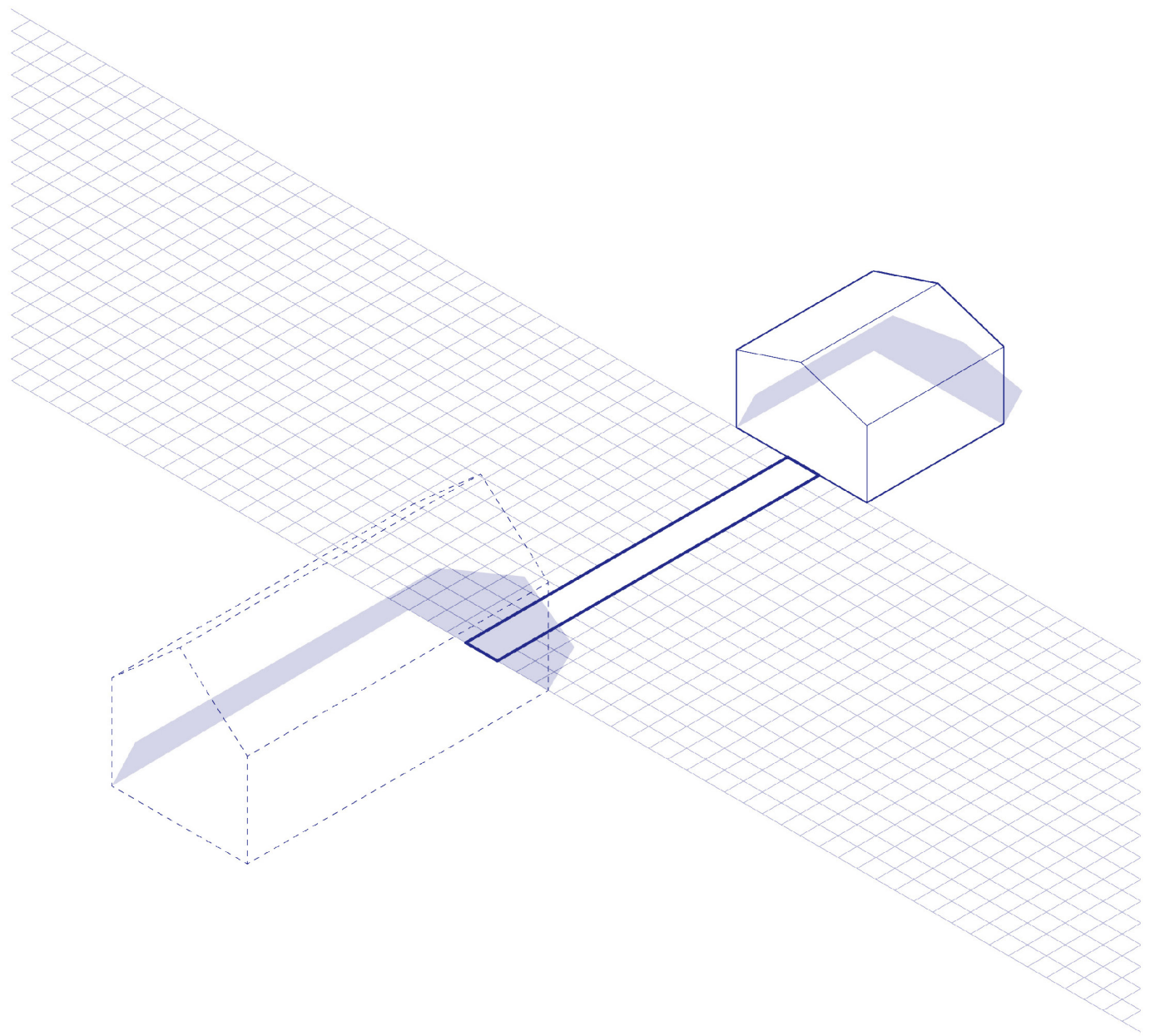
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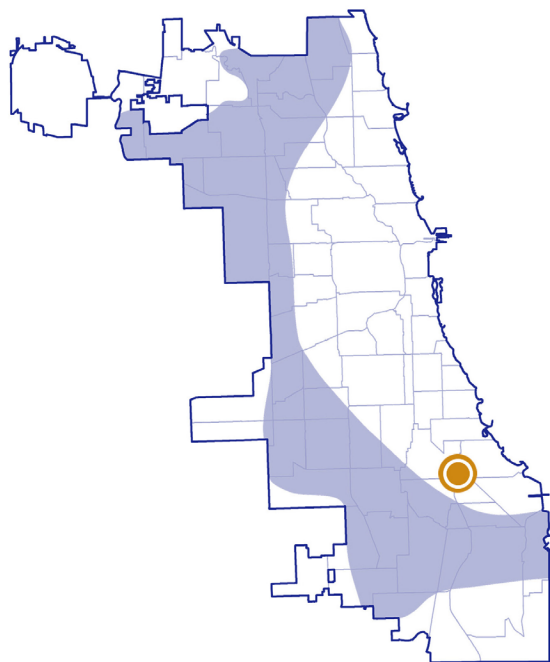
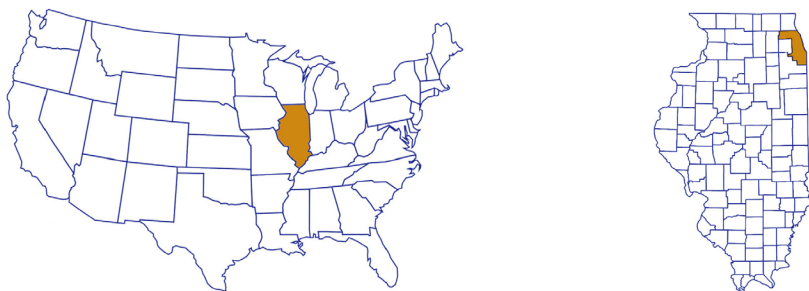
A traveling fellowship in Architecture

Bungalow Backbone

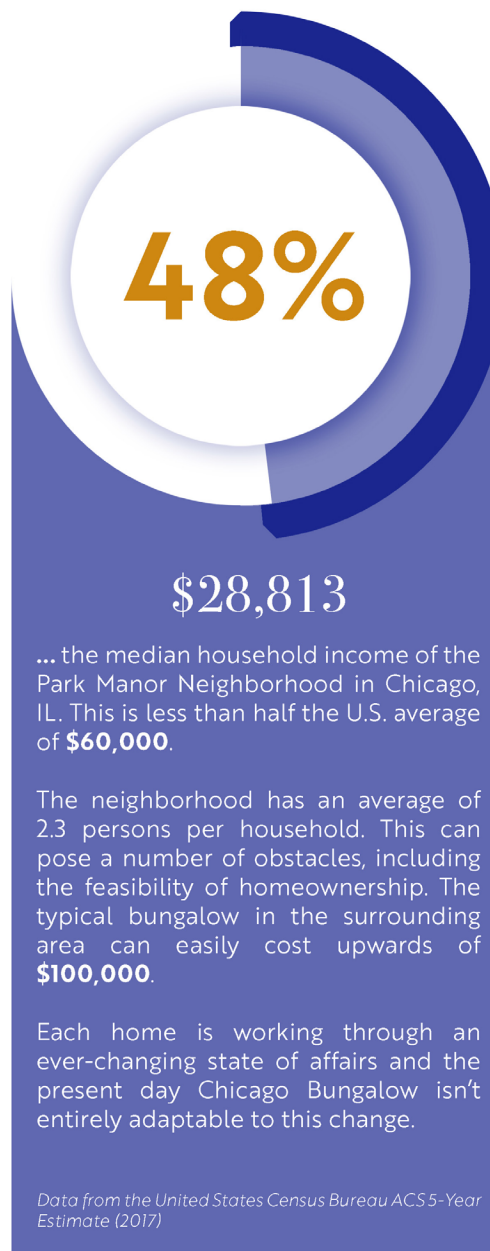
Bungalows for a Millennial Family

LF-7636





Proposed Site and Surrounding Chicago Bungalow Housing Belt



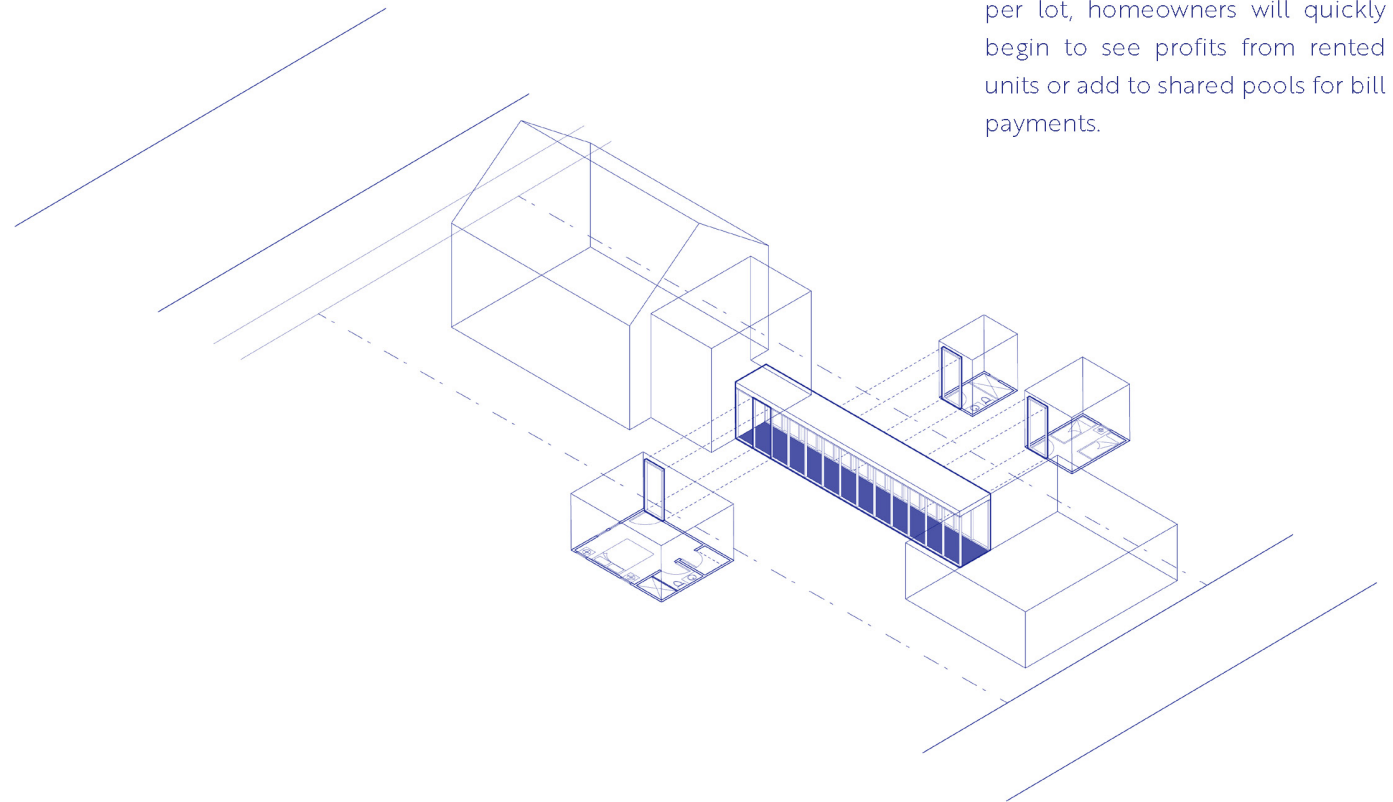
Homeownership in the 21st century looks entirely different than it did when the Chicago bungalows were first built in 1910: This proposal attempts to recognize these differences by introducing **affordable customization** into the context of urban housing. Increasing the density of people across every lot is the quickest way to increase the median household income while **maximizing on transparency** to naturally uphold the safety of the streets.



Whether homeowners are seeking a transition into multi-generational housing, spiking their revenue with rental units, or expanding on their bungalow's current square footage, the spinal corridor system offers **individualized flexibility** to any existing or newly-built home.



East Alley Site Photo

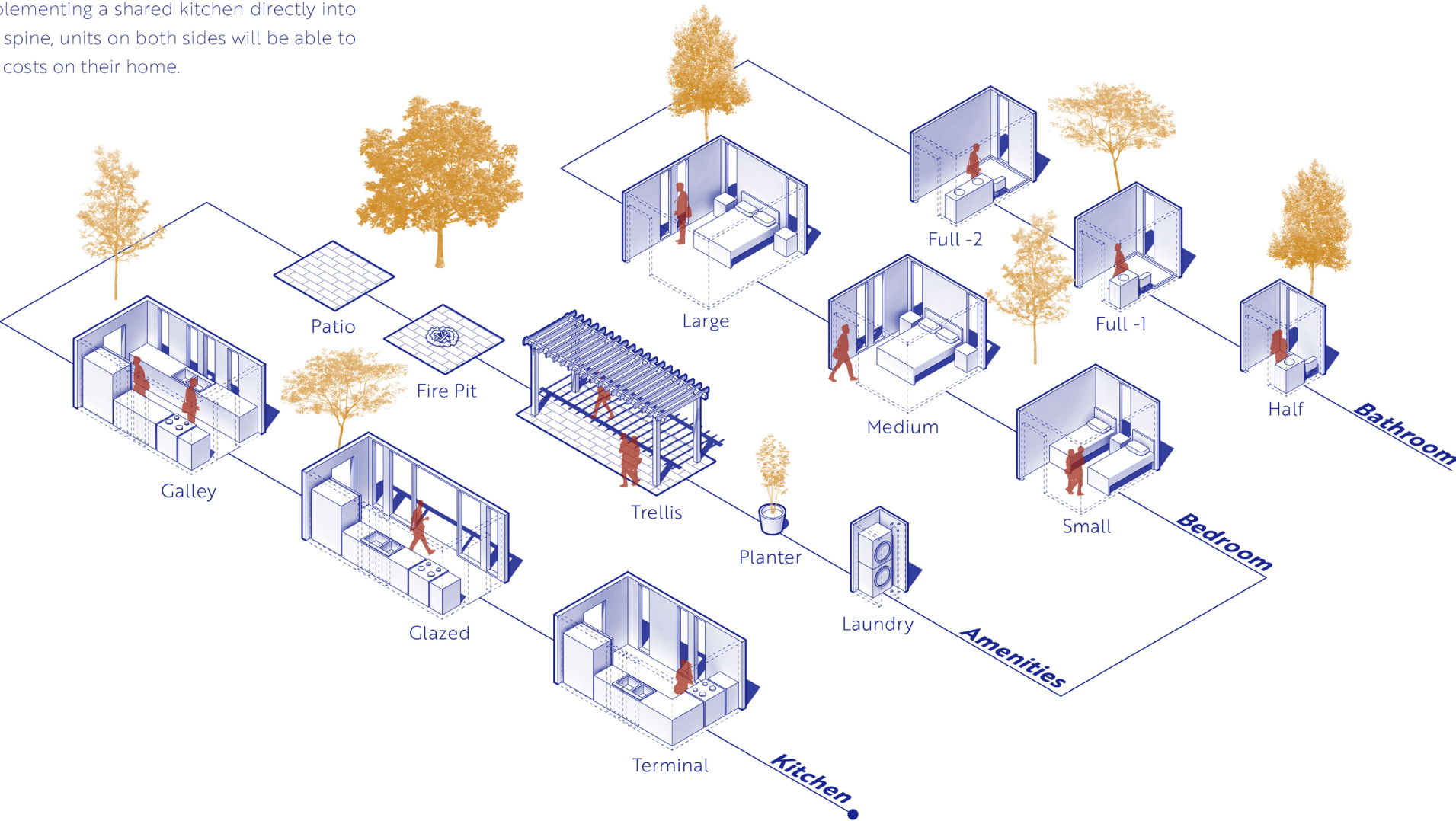


Corridor Spine + Room Additions — Exploded Axonometric

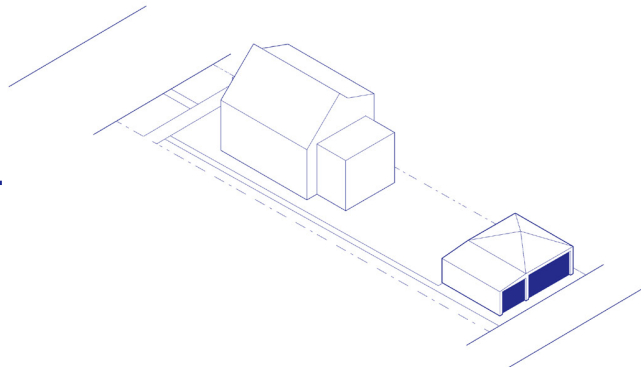
Vehicle ownership is continuously declining alongside the usefulness of allies between main streets. In order to maximize on each lot's potential, I am challenging the current RS-2 zoning definitions for detached houses on individual lots.

By increasing the density of people per lot, homeowners will quickly begin to see profits from rented units or add to shared pools for bill payments.

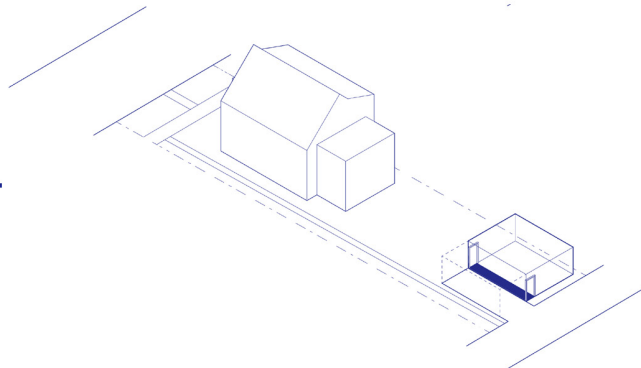
Room additions can easily convert into living, dining, or office spaces. Kitchens are the most expensive part of a home and by implementing a shared kitchen directly into the spine, units on both sides will be able to cut costs on their home.



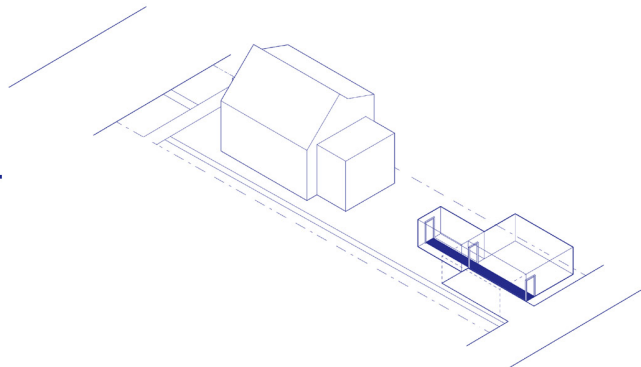
Plan to renovate
studio unit in garage



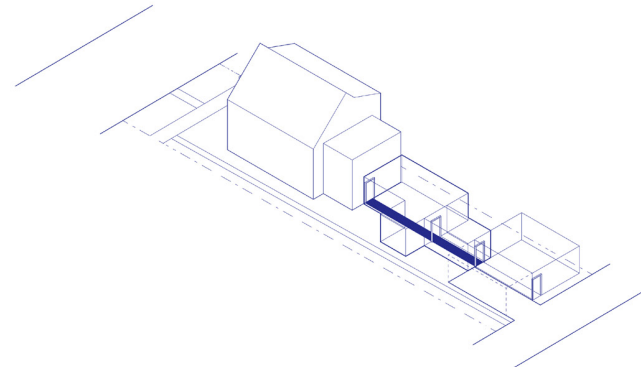
Rent unit and carport
addition



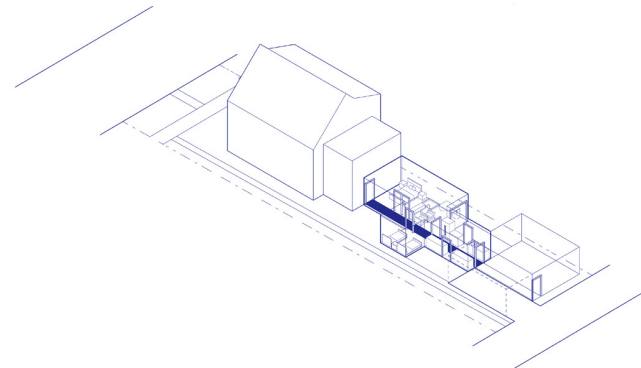
Add shared kitchen
corridor extension



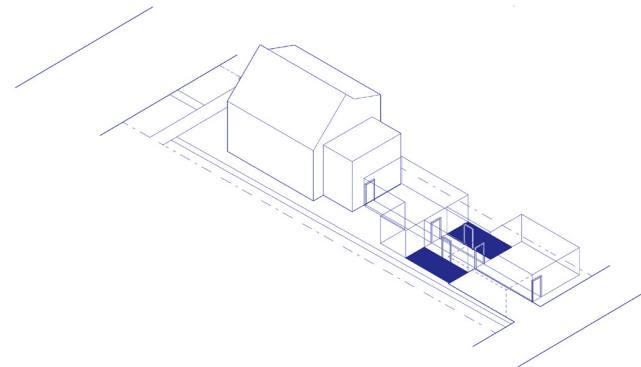
Plan room additions



Occupy



Generate outdoor
space with the
in-between



Homeowners plan individualized strategies to build equity on their property. This may mean directly linking additional bedrooms, or building a detached studio rental unit to generate a new revenue stream.

Properties begin to form nooks and crevices between room additions. These spaces create strong focal points as well as intimate places for outdoor activities.

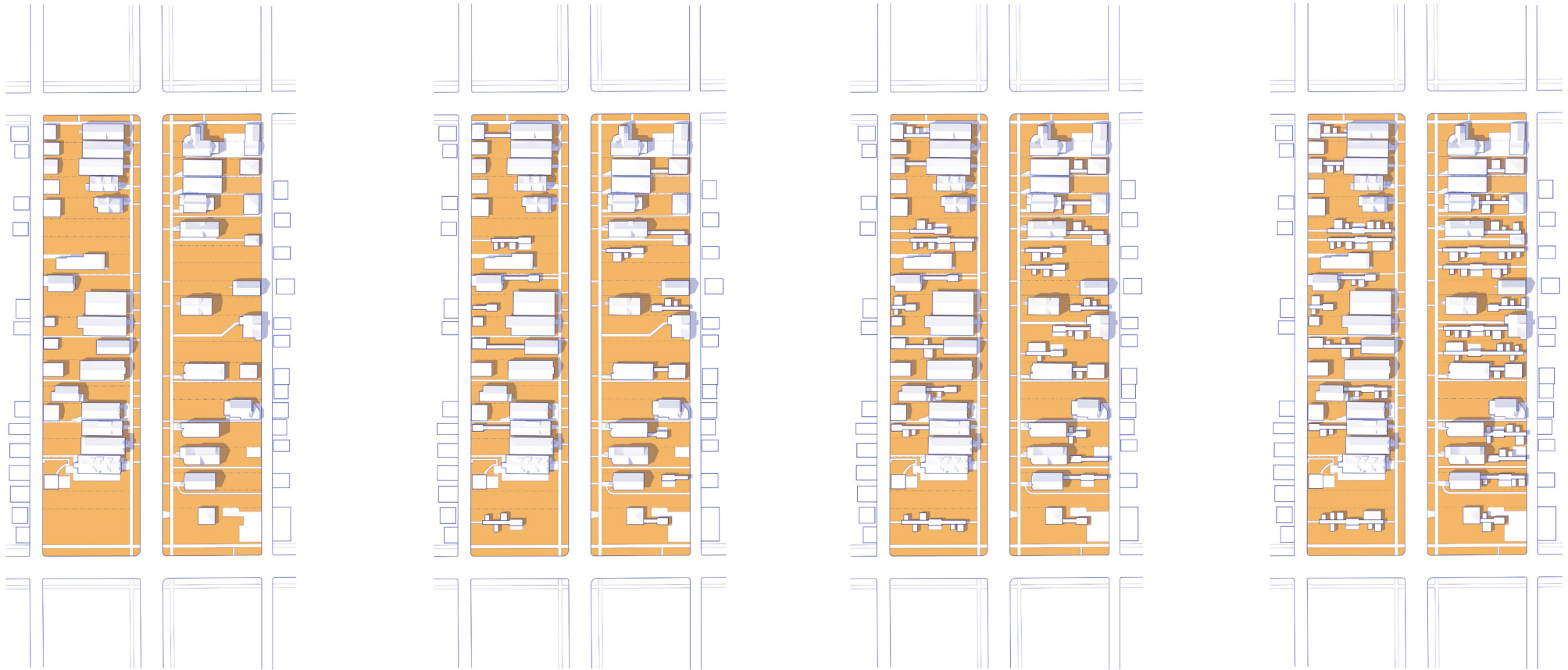
A tightly nested community is relying significantly less on cars for transportation. The alley has become a lively space that is easily accessible on foot and a much safer environment to be in.

+1

+5

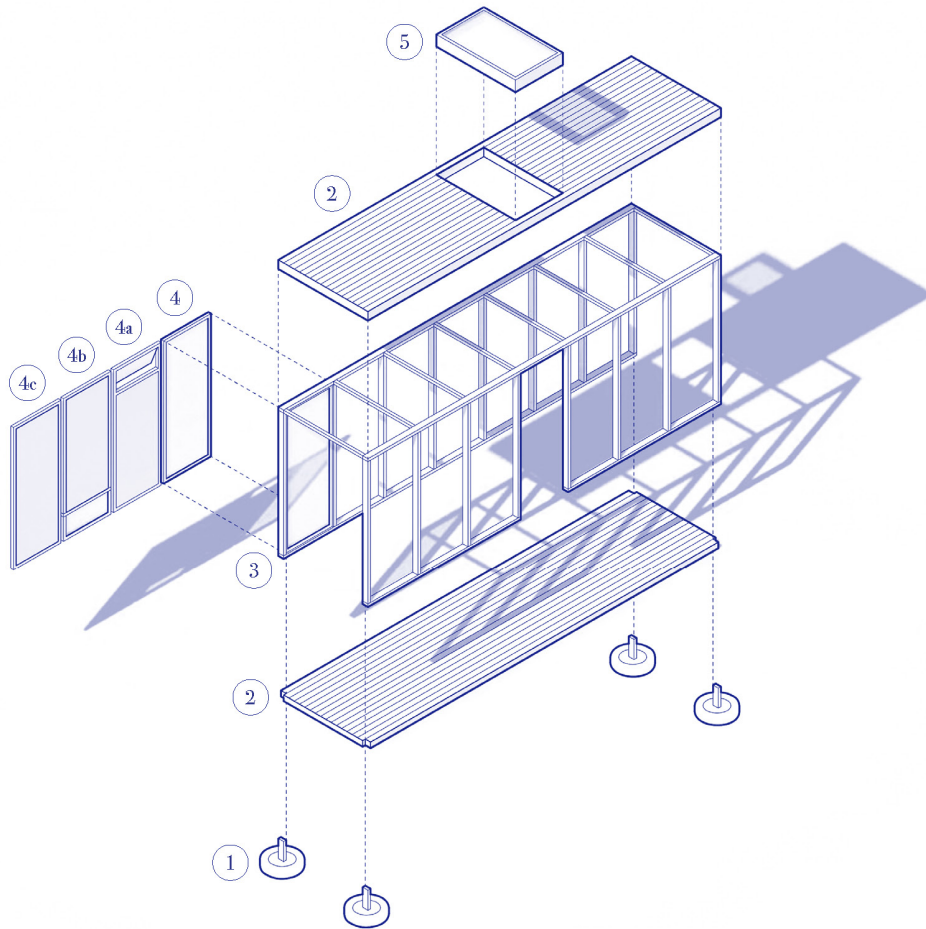
+10

+30



Site Plan Future Projections

- 1 Recycled tire with compressed gravel + sand footings
- 2 Cross-laminated timber (C.L.T.) wall/floor/roof panel
- 3 Slotted square aluminum framing system
- 4 Pre-fabricated polycarbonate window panel
 - a. Pre-fabricated C.L.T. panel with operable polycarbonate clerestory
 - b. Pre-fabricated C.L.T. panel with polycarbonate base window
 - c. Pre-fabricated solid C.L.T. panel
- 5 Pre-fabricated polycarbonate skylight
- 6 Sliding window blinders on track



Corridor Spine Materials — Exploded Axonometric

Cross-Laminated Timber

- High dimensional stability
- No threat to forest conservation
- Locally sourced from Canadian manufacturer

Aluminum

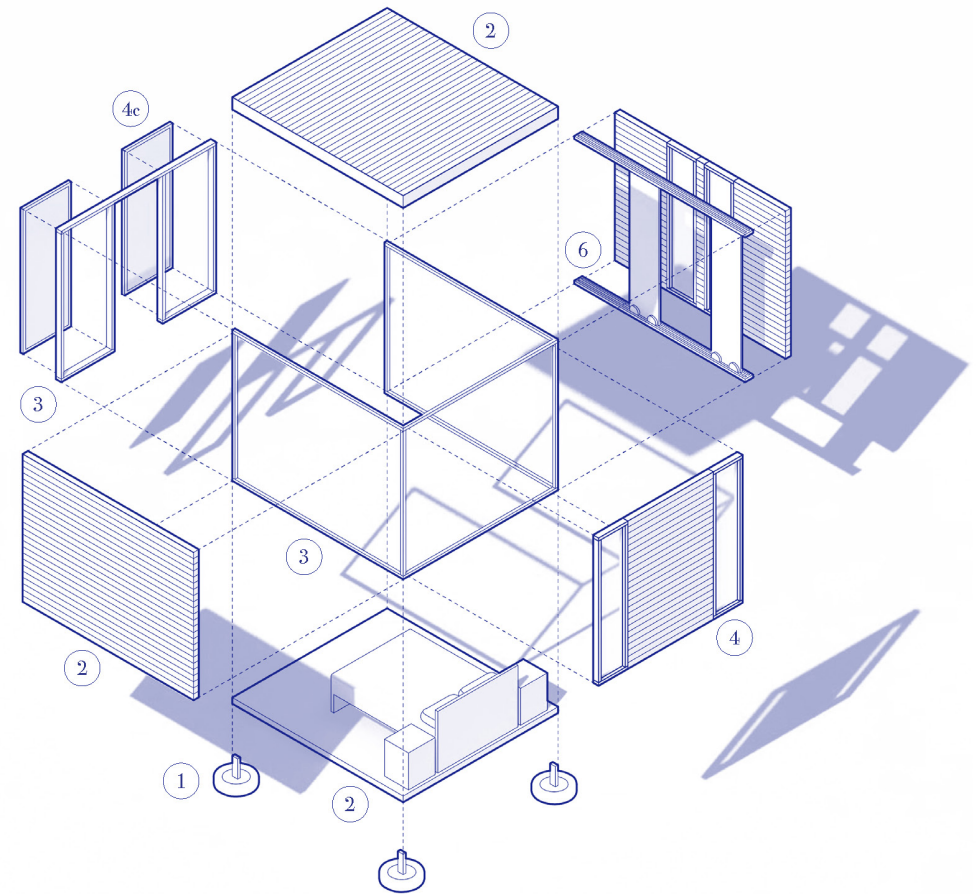
- Low maintenance
- High strength-to-weight ratio
- High rigidity

Polycarbonate

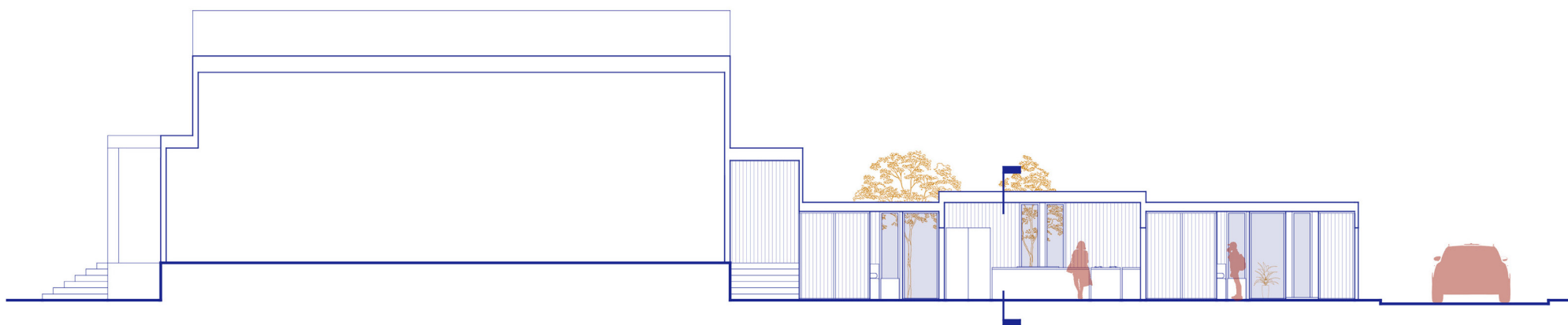
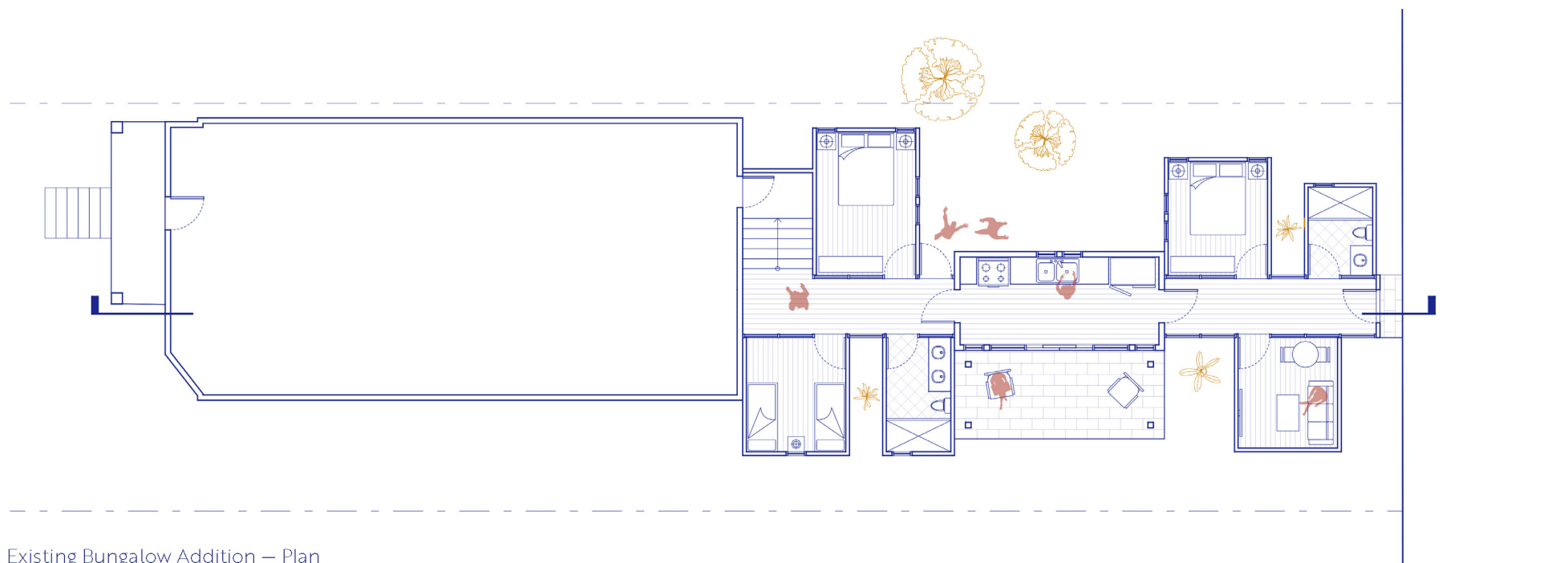
- High impact-resistant and durable
- Variety of grades, some optically transparent
- Light and easy installation

Recycled Tires

- Reduce landfill
- Minimizes greenhouse gas emissions
- Strong and flexible material qualities



Room Addition Materials — Exploded Axonometric



"There must be eyes upon the street, eyes belonging to those we might call the natural proprietors of the street. The buildings on a street equipped to handle strangers and to insure the safety of both residents and strangers, must be oriented to the street. They cannot turn their backs or blank sides on it and leave it blind."

-Jane Jacobs



Existing Bungalow Addition — Transverse Section Perspective