

2020 MERIT

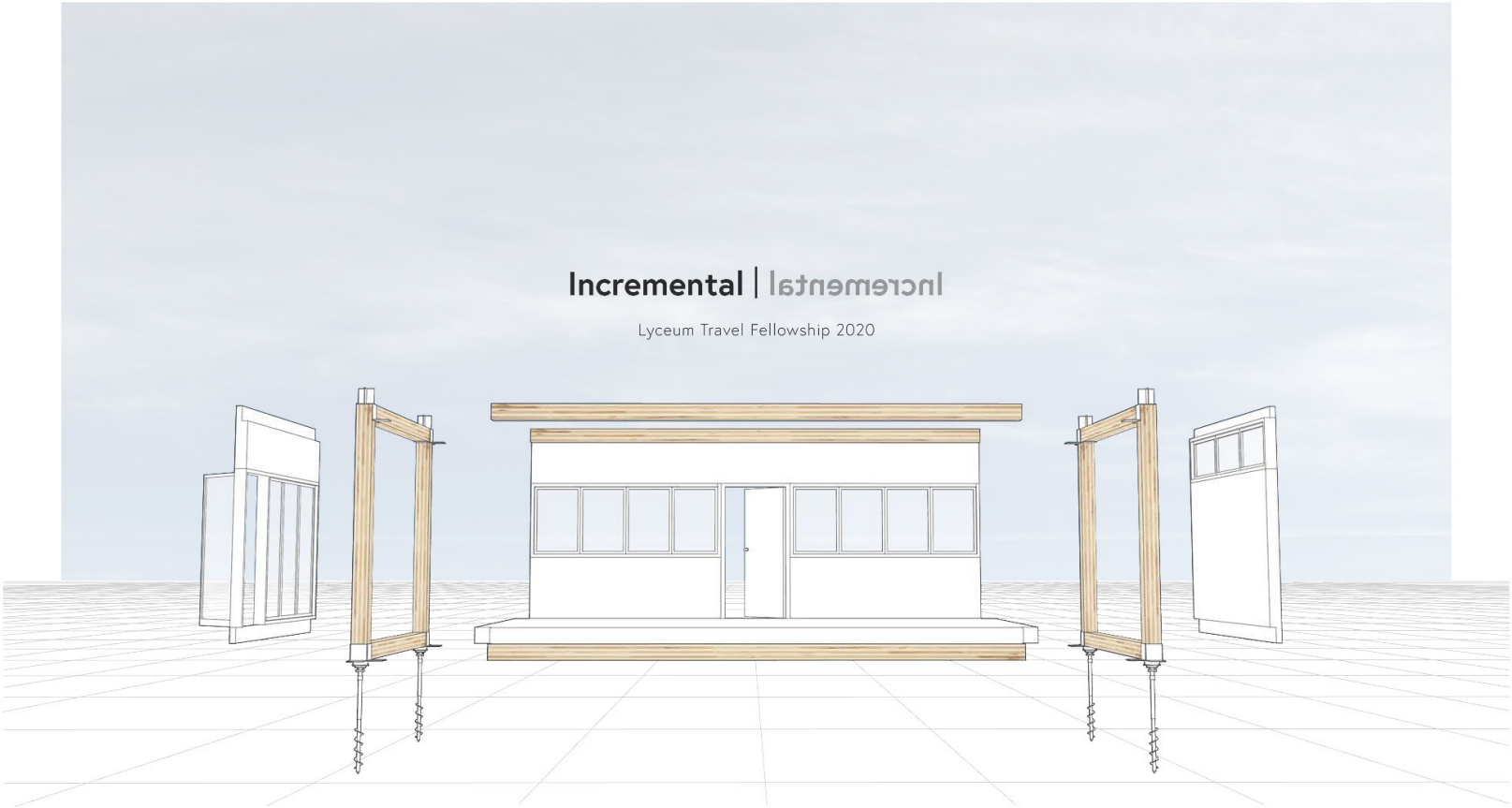
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LYCEUM

A traveling fellowship in Architecture



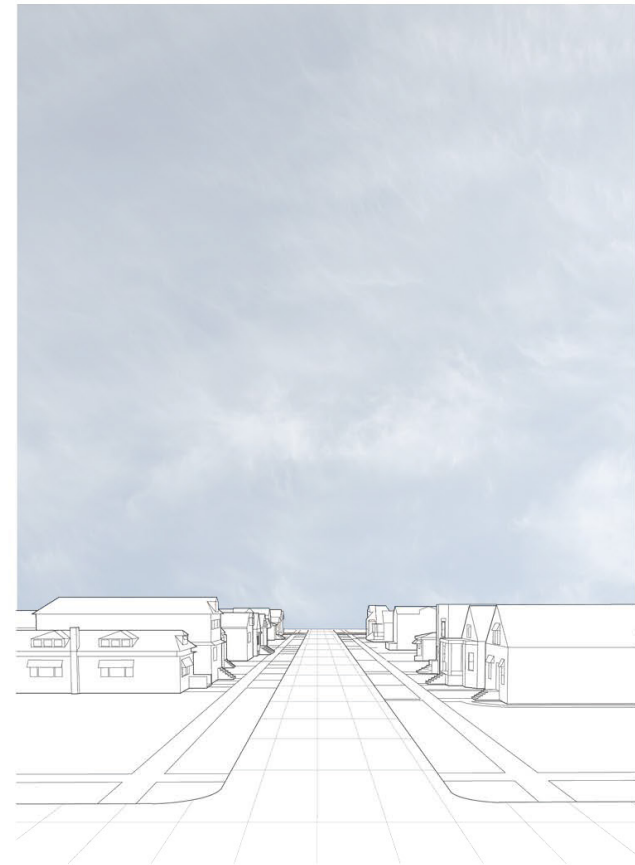
Introduction

The once iconic symbol of the Chicago Bungalow's residential design has now become a parody of itself in its claims and appeal. When considering the next housing equivocate for the Chicago area, a future thinking and flexible design is the undeniable solution. The new bungalow model that I am proposing is a highly modular, flexible, and incrementally-built system. The timber frame is built up from a modular lightweight foundation system of helical piles that require minimum effort for installation and can be removed easily.

The frame itself is composed of cross-laminated timber beams with repeating connection elements of custom-engineered steel. The exterior walls of the bungalow are comprised of correspondingly modular wooden panels; each panel itself can be modified for insertion of window and door openings. On the interior - the structural capabilities of the timber frame allows for true freedom of placement for the interior partition walls and a highly customizable floor plan. In the same way that the frame allows the architecture to build incrementally and systematically, the modest scale of modularity allows for a correlative incremental build of equity over time.

This new bungalow acknowledges that the needs of every occupant are different and ever-changing; multi-use and flexible spaces address daily use, while expansion and contraction of modules facilitate the ebb and flow of family financial and physical needs over months and years. Equity building is an outcome of this deliberate and incremental growth and investment, ensuring a higher quality of life.

The following drawings and diagrams illustrate this combination of ideas and further delves into a few typical examples of what the new bungalow could be.

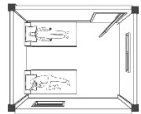
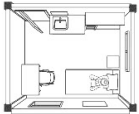




Singular

Individual person looking for convenience of temporary housing and flexibility of location

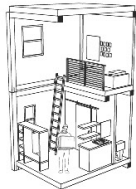
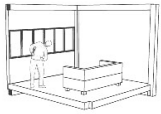
Low Impact



a1 College Student moves in for a short term internship (\$)

a2 Homeless Shelter (\$\$)

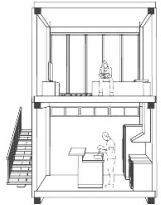
Medium Impact



b1 Witness protection program (\$)

b2 Starter apartment (\$\$)

High Impact

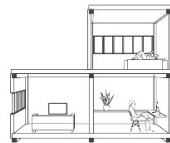


c1 Air BnB (\$\$\$)

c2 Corporate Housing for traveling employees (\$\$\$)

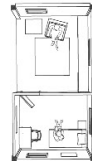
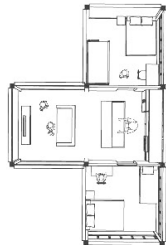
Multiple

Individuals who are looking to reduce living stresses by sharing amenities and spaces



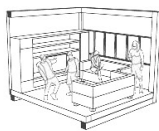
a3 Podcaster (\$\$)

a4 Night Shift Worker (\$\$)



b3 Two Single Mothers (\$)

b4 Elderly living with Student (\$\$)

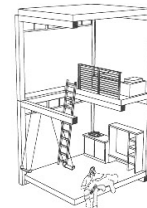


c3 Recovery House (\$\$)

c4 Big Brother House (\$\$\$)

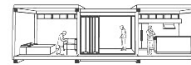
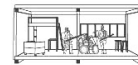
Shared

Like multiple example but the individuals have established relationships that connect them



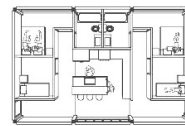
a5 Visiting Scholar Apartment and Offices (\$\$)

a6 Touring Circus Housing (\$)



b5 Bandmates and rehearsal space (\$\$)

b6 In Law Suite (\$\$)

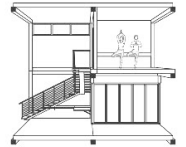


c5 Divorced Couple with Children (\$\$\$)

c6 Multi-Family (\$\$\$)

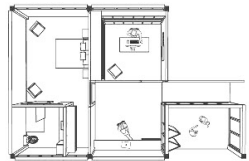
Nuclear

More traditional sense of home where the individuals are related and depend on one another



a7 Full House Family (\$\$)

a8 Older Family without Kids (\$\$)



b7 Young Family in need of flex space (\$\$)

b8 Both parents working from home, two workspaces (\$\$)

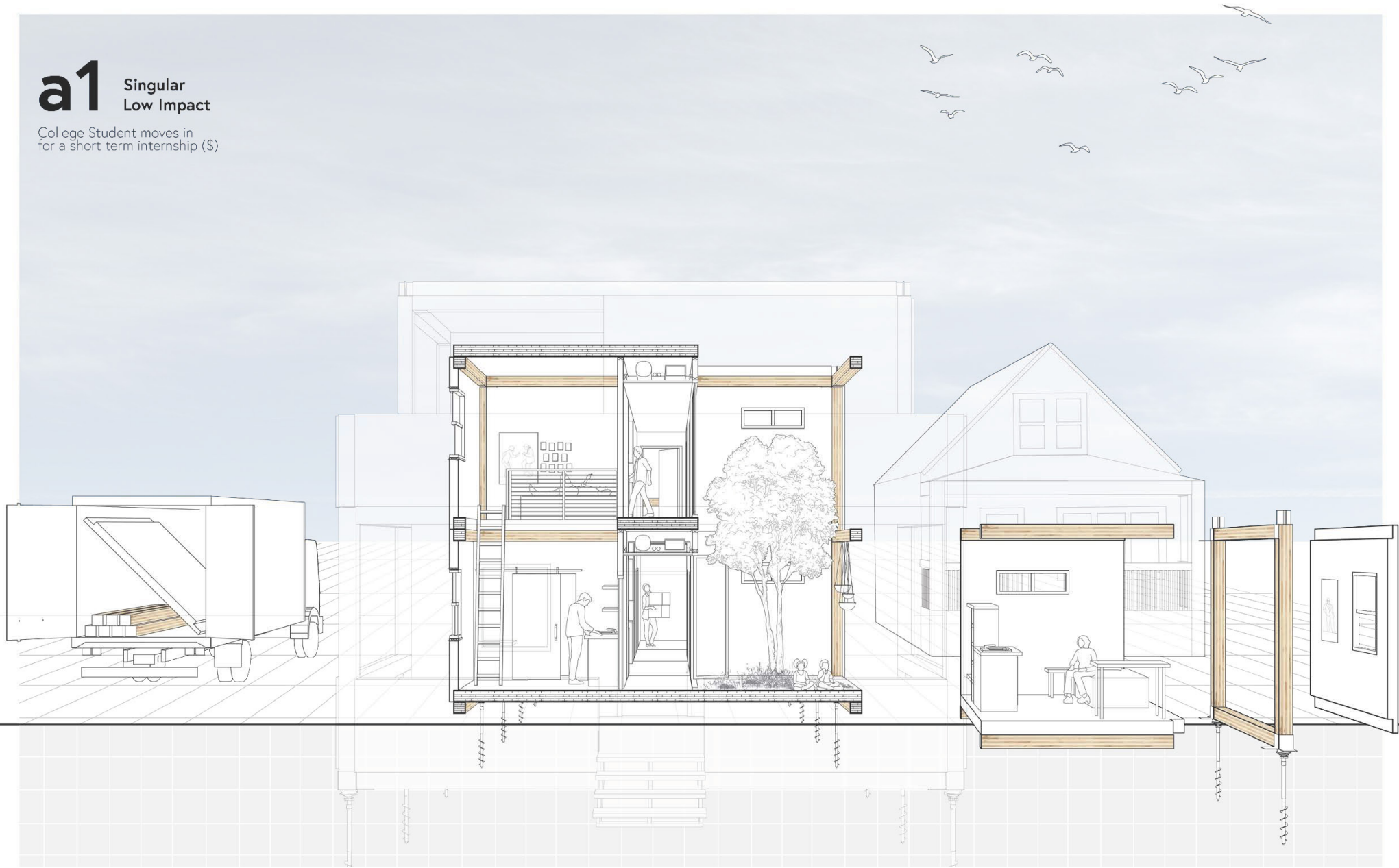


c7 Family adds a second story to their expanding home (\$\$\$)

c8 Family replaces material of frame for higher quality (\$\$\$)

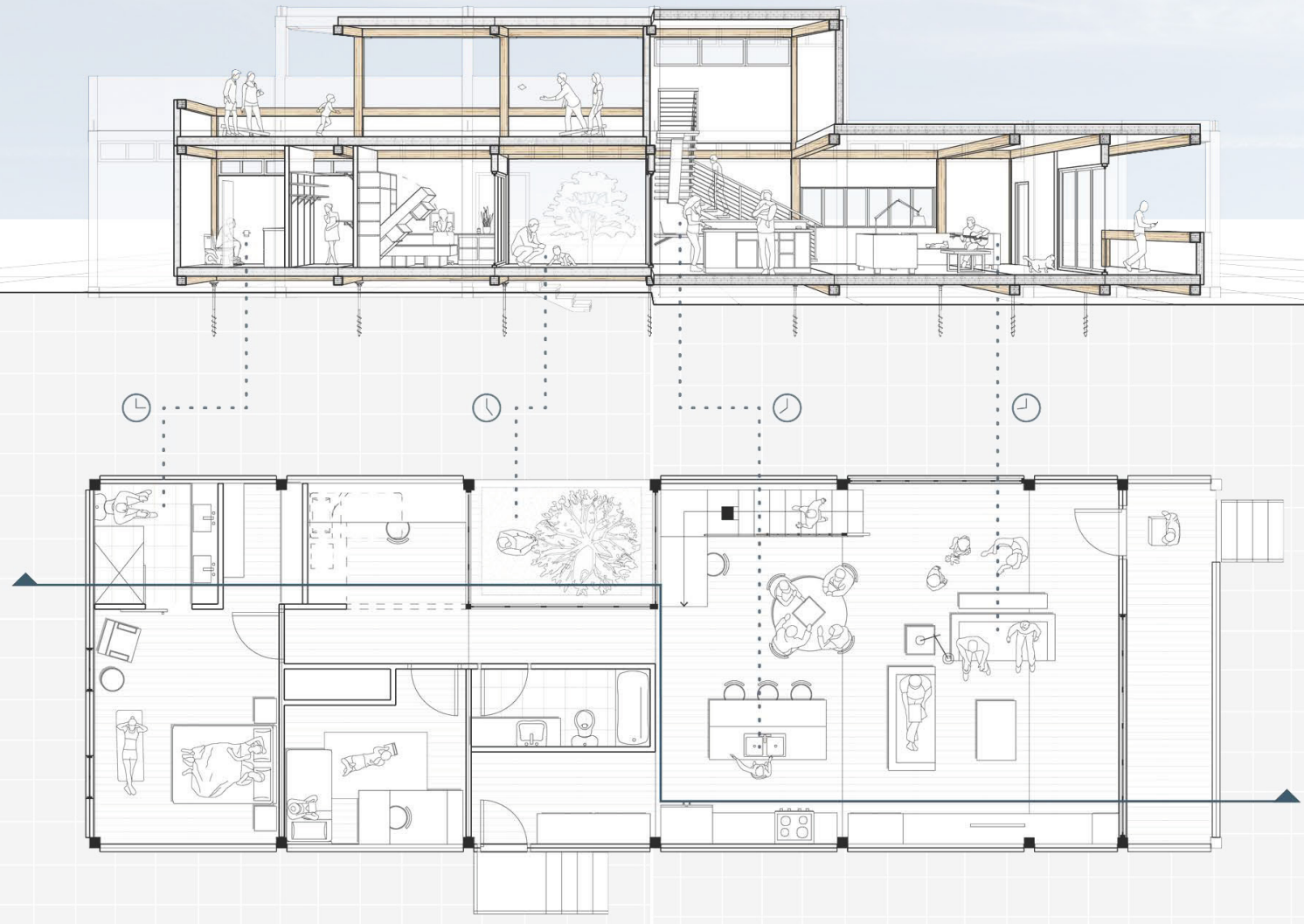
a1 Singular Low Impact

College Student moves in
for a short term internship (\$)

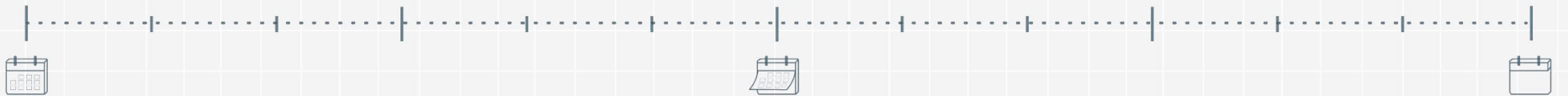


b7 Nuclear Medium Impact

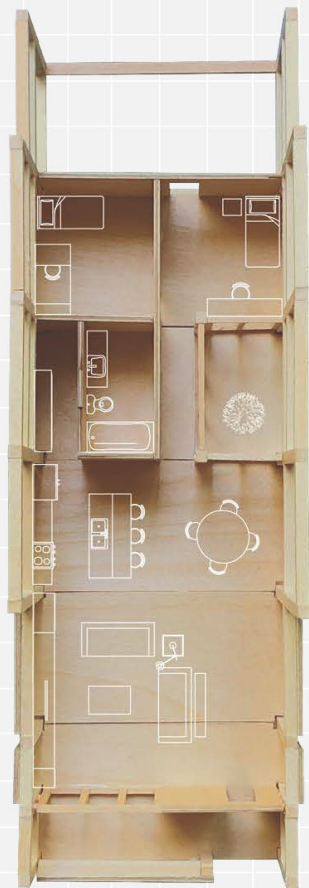
Young Family in need of
flex space (\$\$)



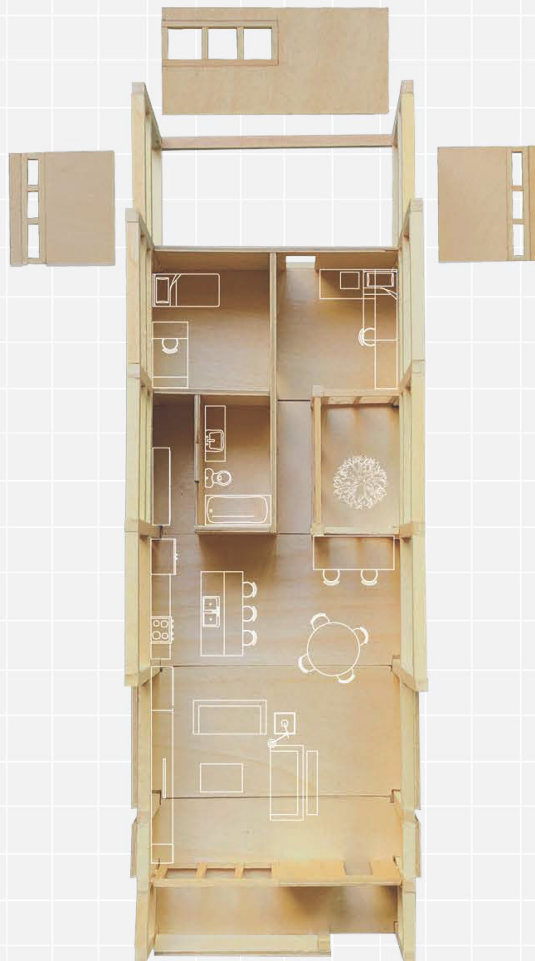
c6 Shared
High Impact
Muti-Family (\$\$\$)







Phase 1
Single Family using flex-space as additive bedroom



Phase 2
Accrued time and savings allows for an expansion



Phase 3
Master Suite and Second Story with outdoor space is added