

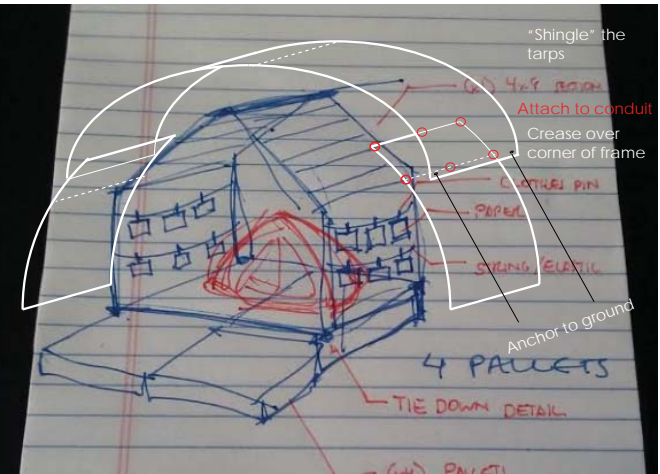
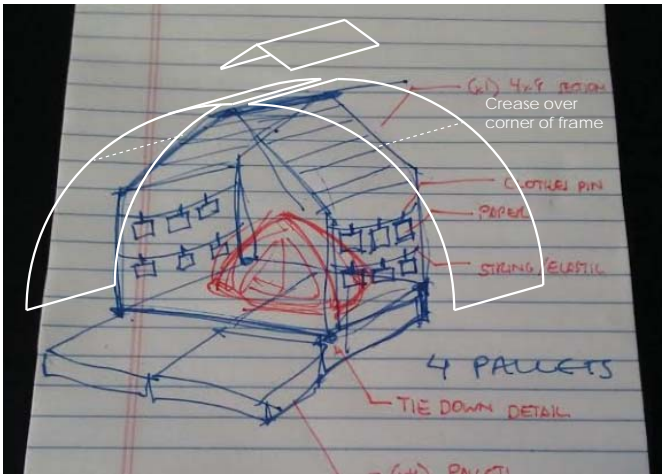
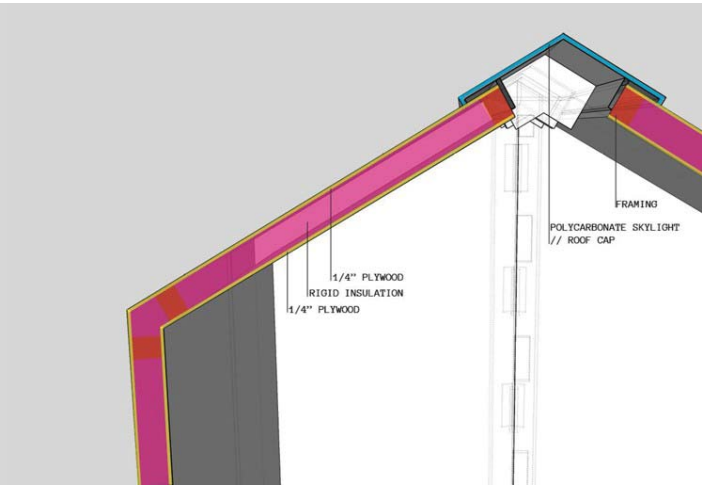
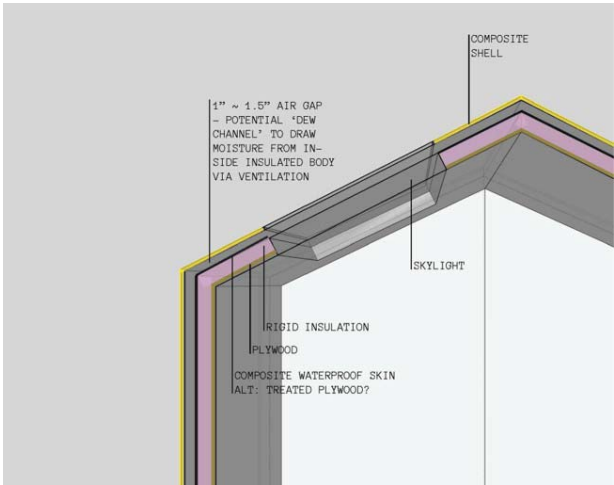
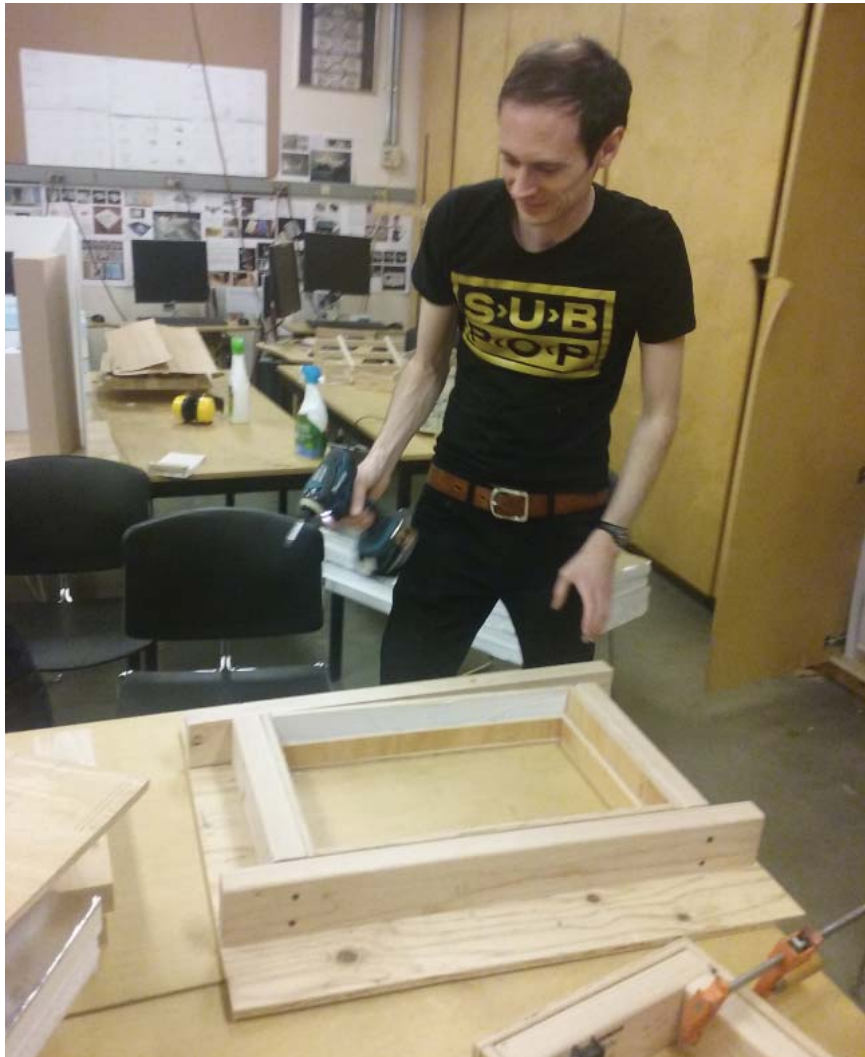
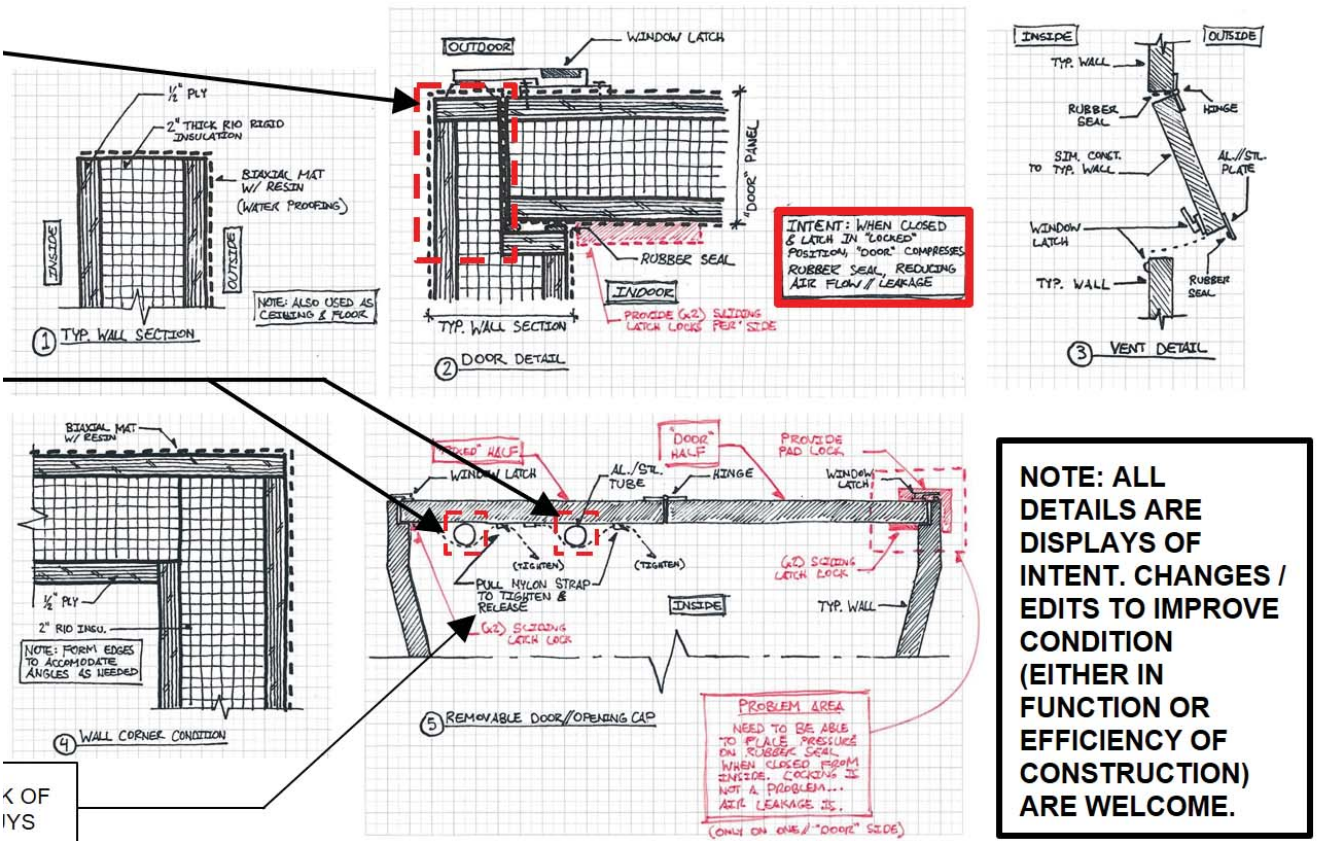
DESIGN JUSTICE & DEMOCRACY OF TINY HOMES



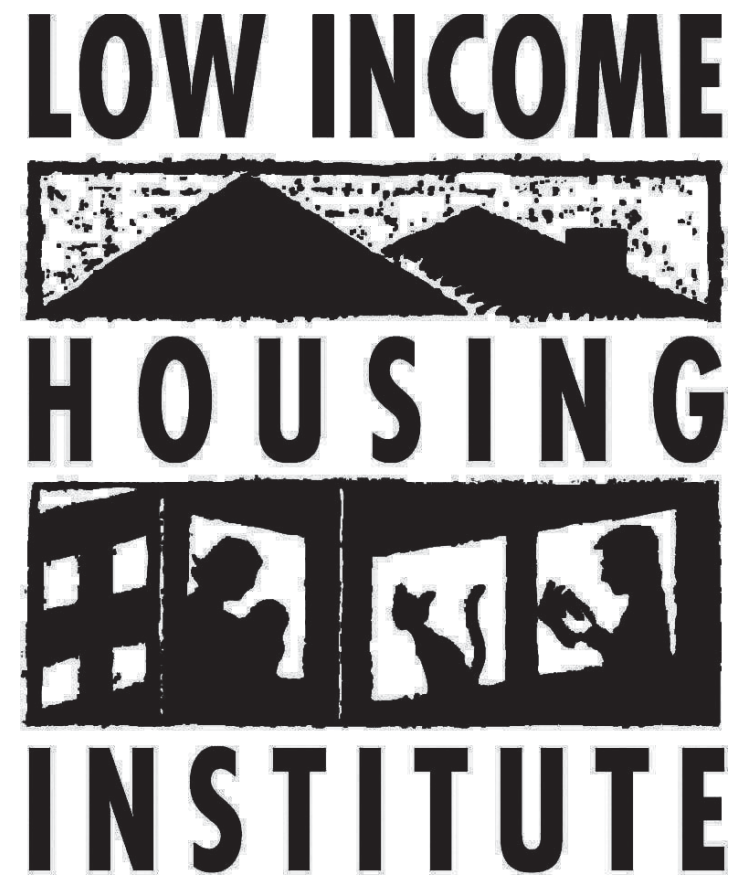


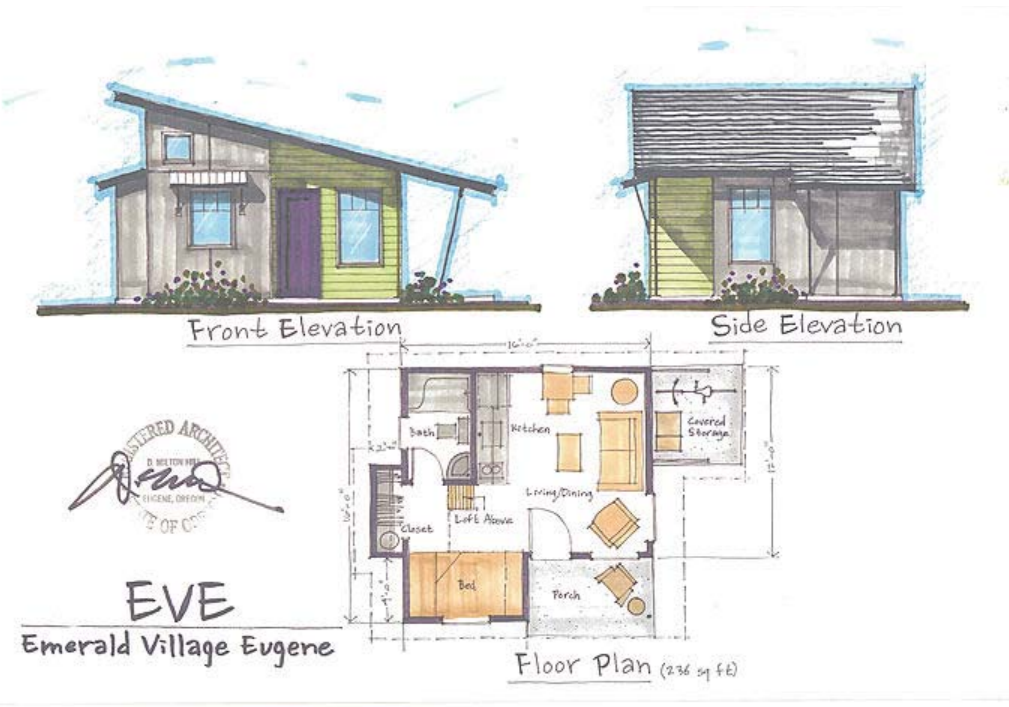






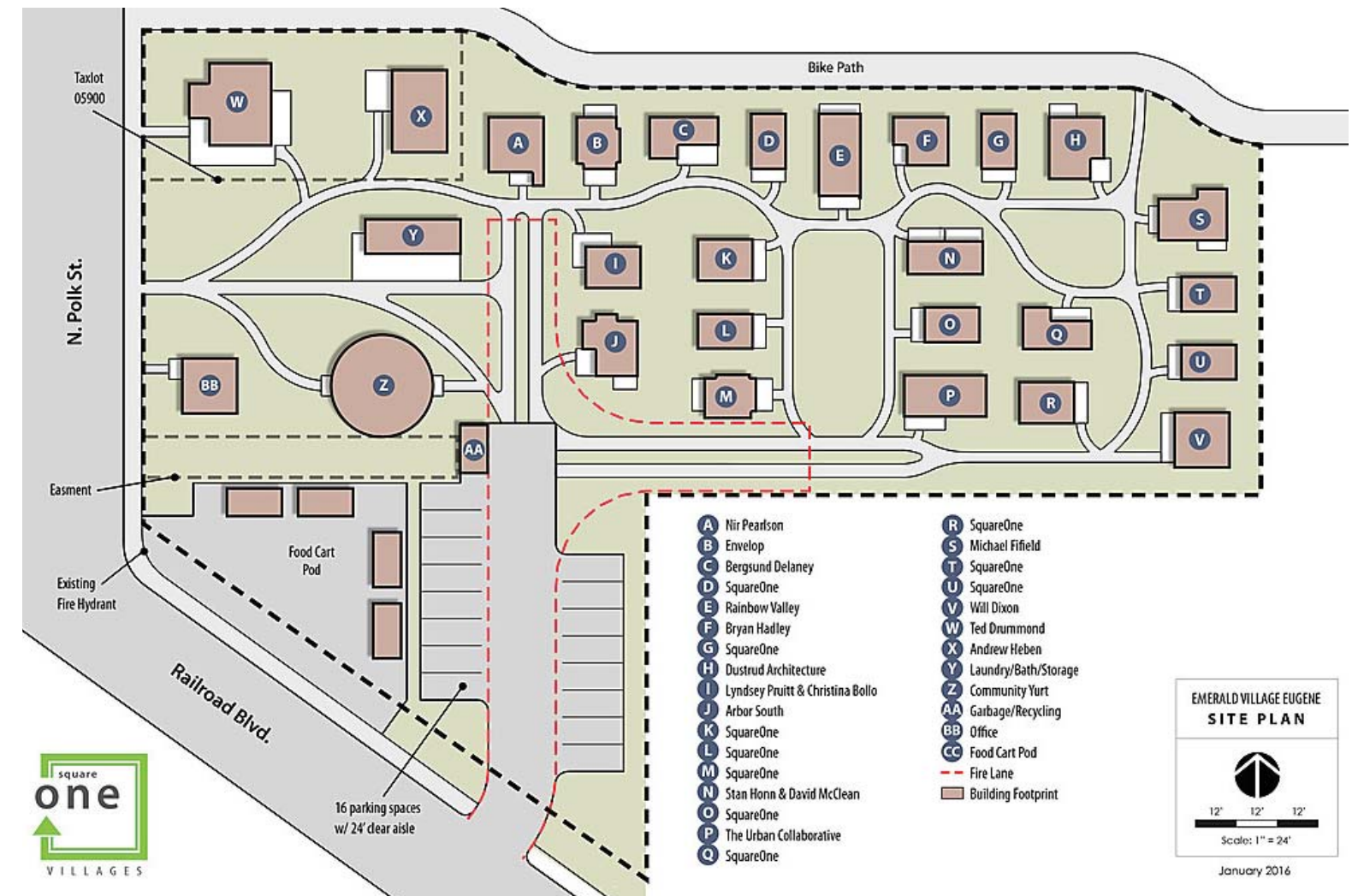






“Opportunity Village was the stepping stone of my transition into society.

After only a few months of living there my girlfriend and I now are living a life where we are able to sustain a home on our own **after being homeless for two years.** — former resident





WHAT IS IMPORTANT ABOUT **DESIGN**?

UNCONSIDERED DESIGN **OPPRESSES**



GOOD DESIGN **LIFTS**



EVEN WITH LITTLE INDIVIDUAL RESOURCES...



...IT DOESN'T HAVE TO BE THIS WAY

DESIGN JUSTICE CALLS FOR THIS COMPARISON
TO NOT REPRESENT RICH VS POOR

PHASE 1 **THE IMPORTANCE OF DESIGN**
WE ARENT IN SCHOOL ANYMORE

TENT ISSUES

Lack of Security

Poor Ventilation, High Moisture (mold / mildew)

Too Hot / Too Cold

Uncomfortable / Cannot Stand (dignity...)



DESIGN SOLUTION REQUIREMENTS

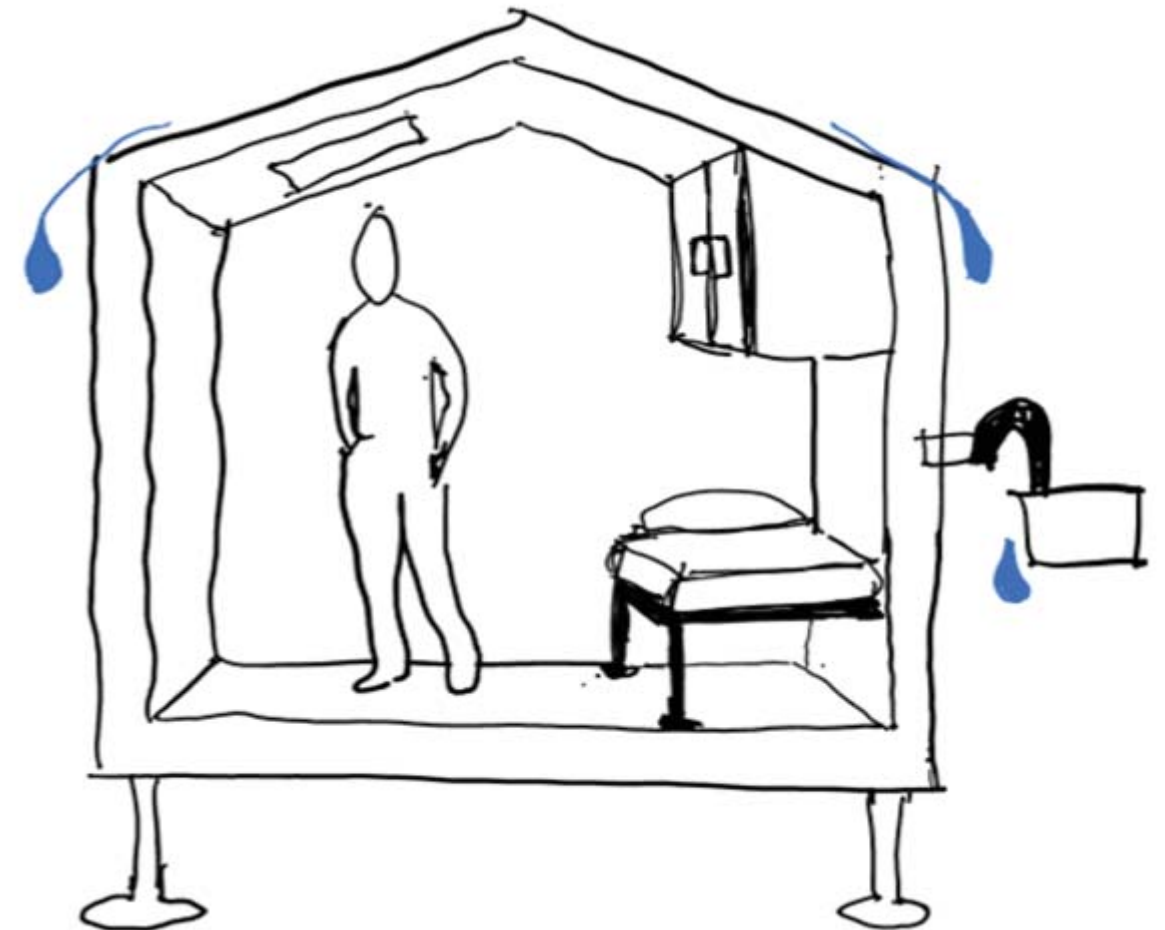
PORTABLE : Lightweight materials, can be taken apart

DIGNITY : Storage, raised sleeping, skylight, room to stand

COMFORTABLE : ventilated, insulated, moisture control

SECURE : lockable, provides privacy

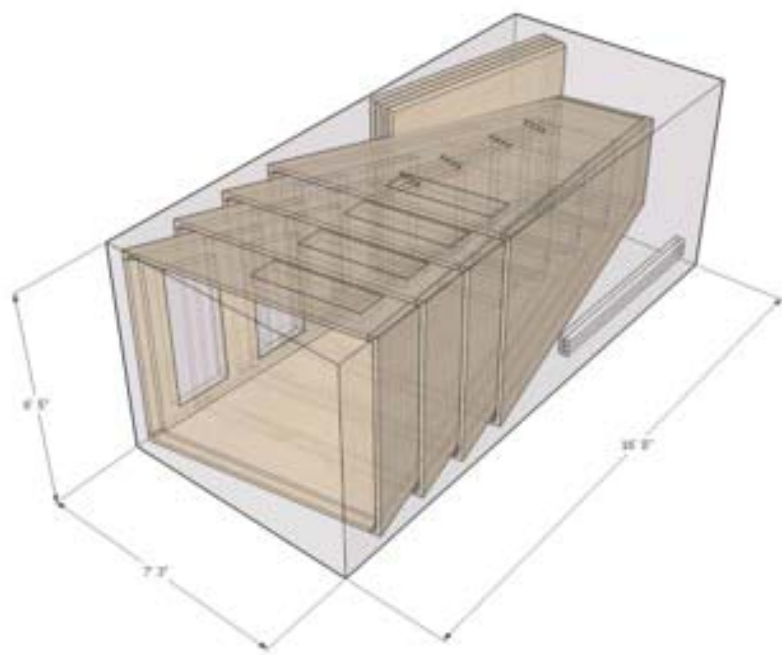
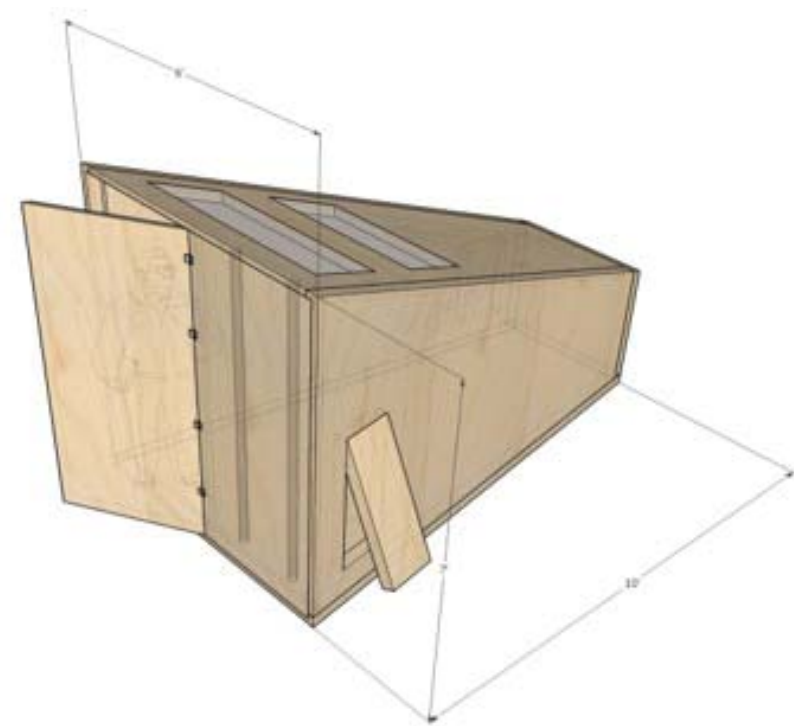
SIZE : less than 120 sqft to avoid Permitting with the city



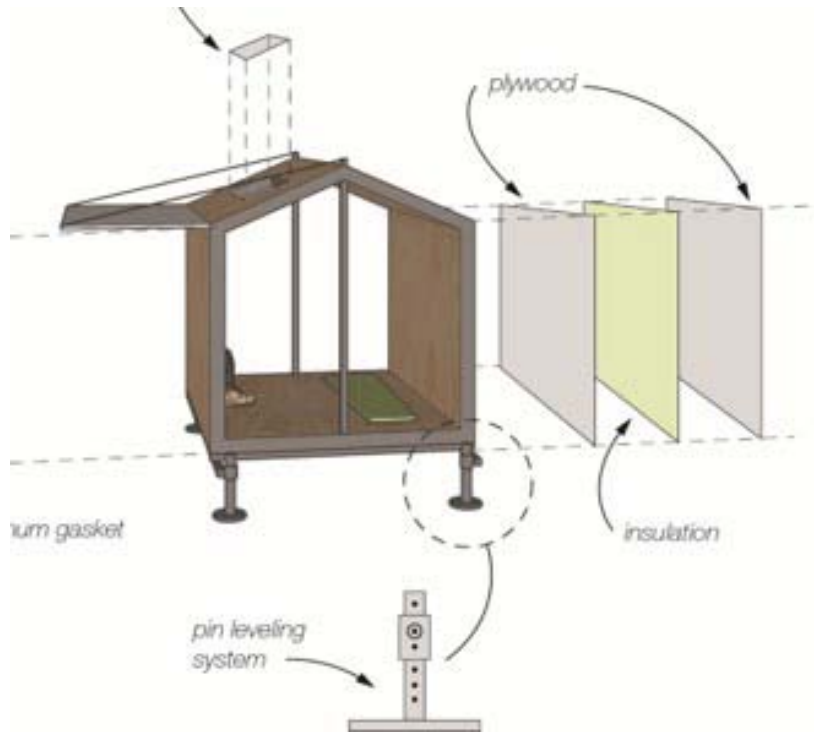


PHASE 1 **CONCEPTS**

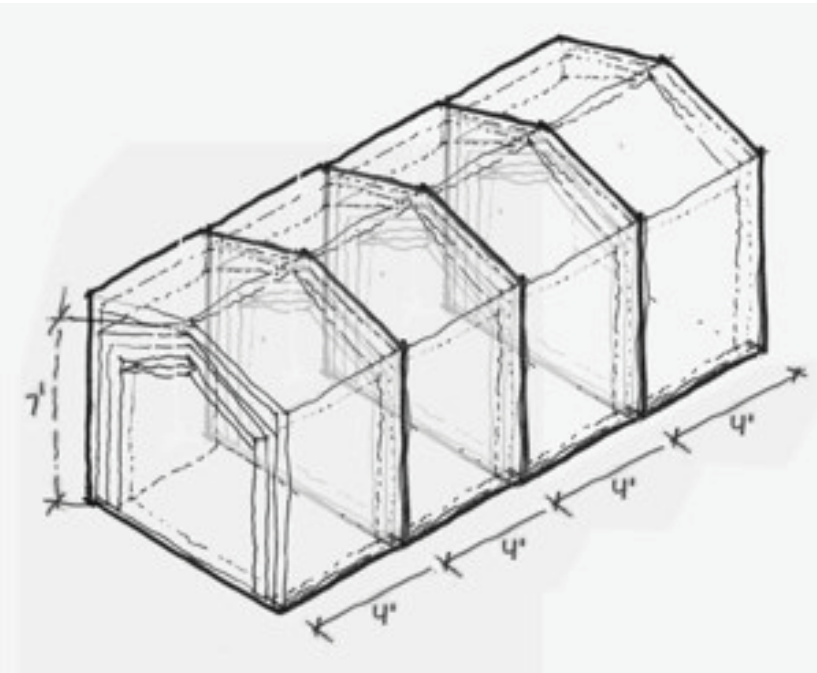
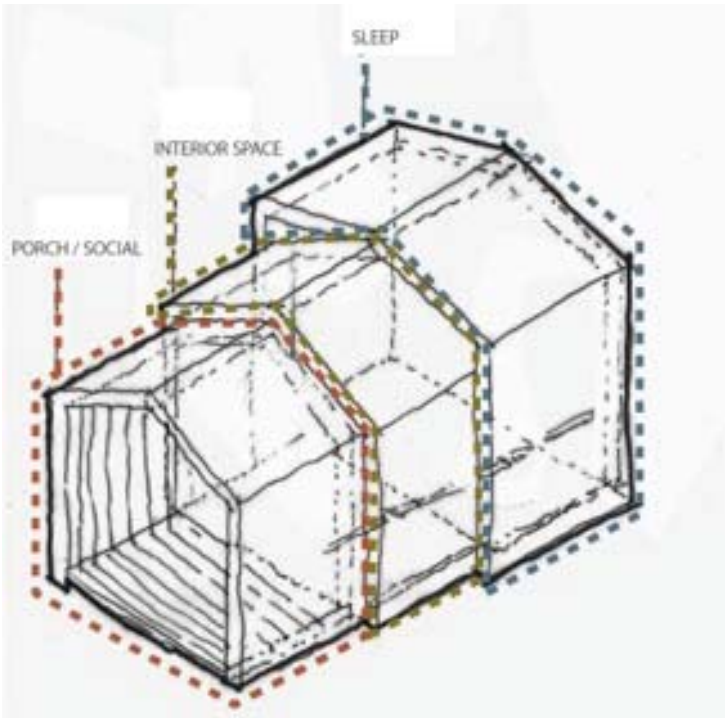
STACK



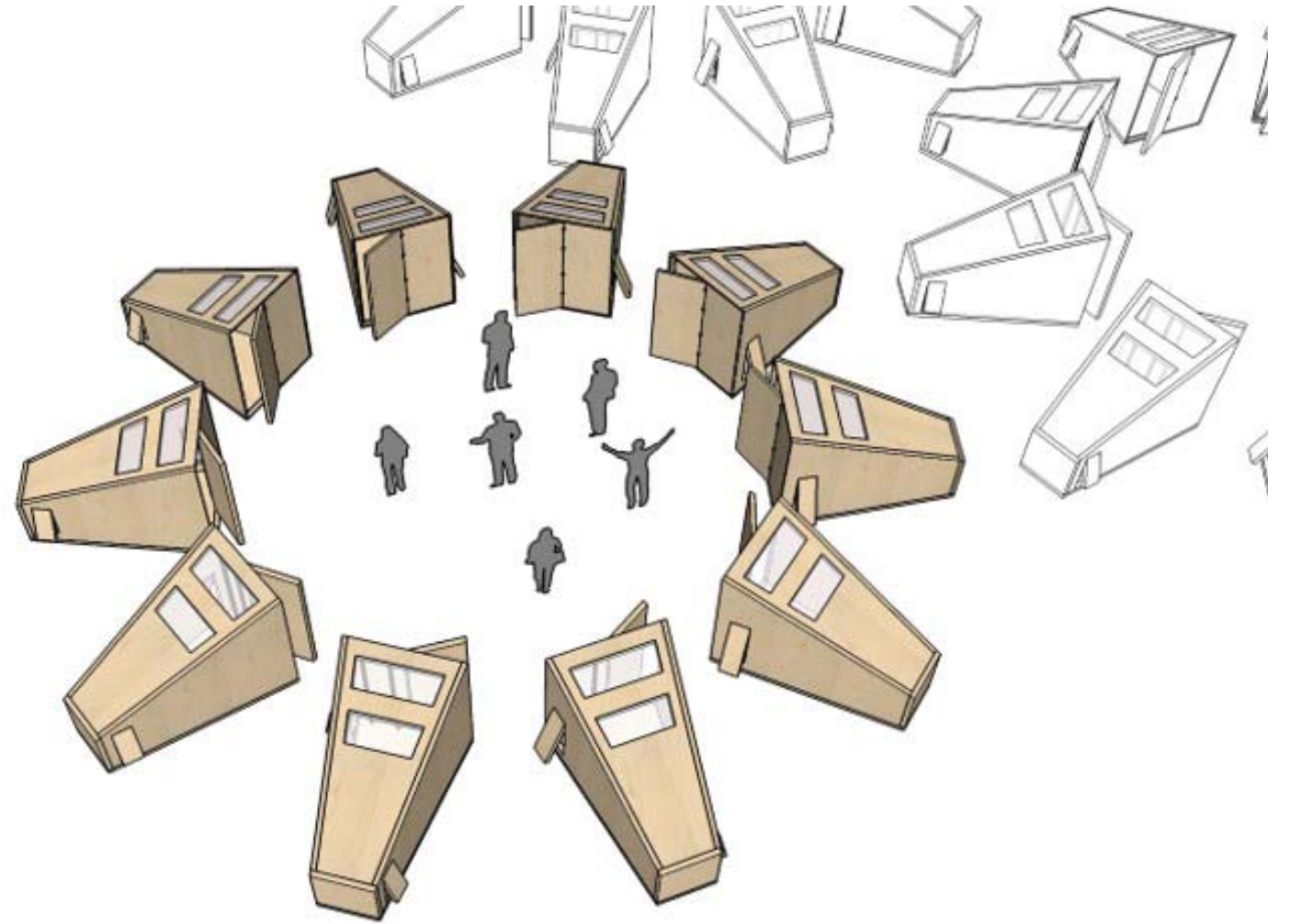
HOUSE



TELESCOPE



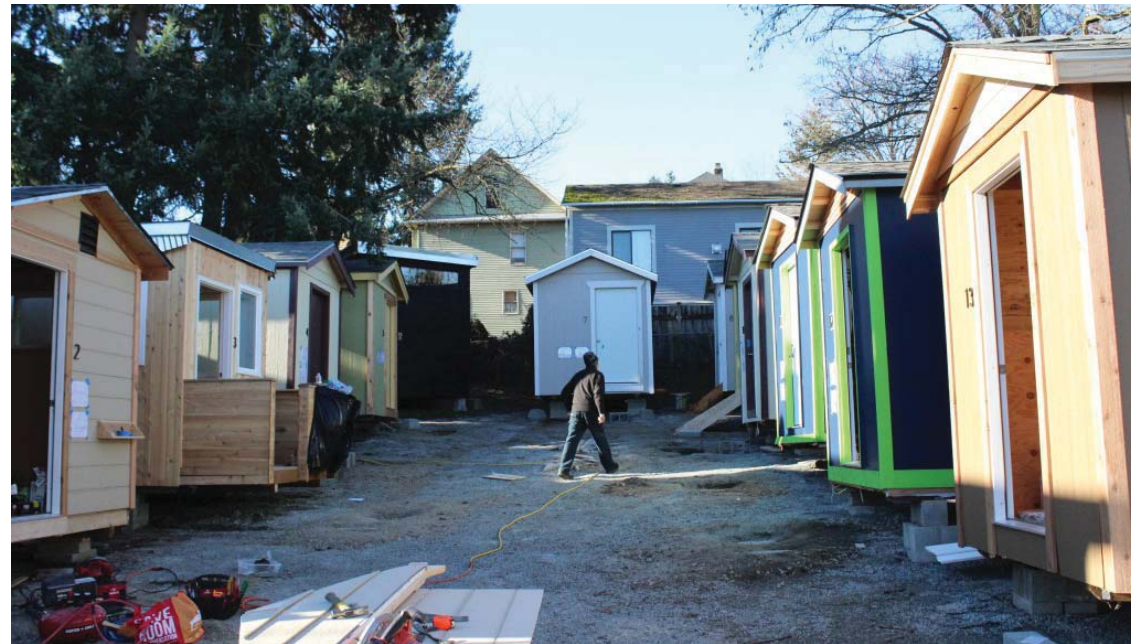
PHASE 1 **VILLAGE PLANNING**



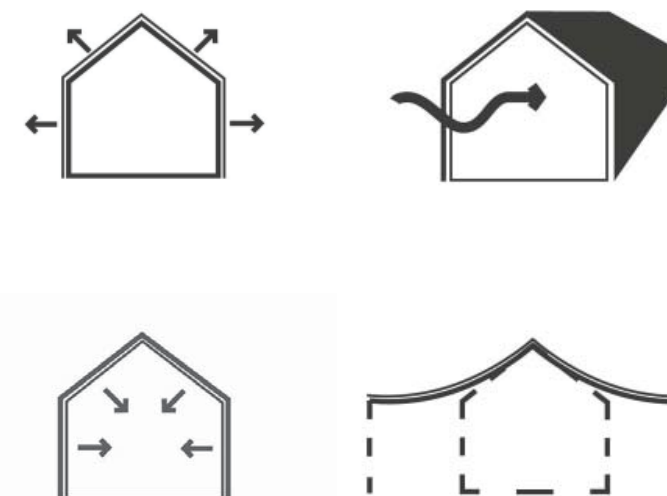
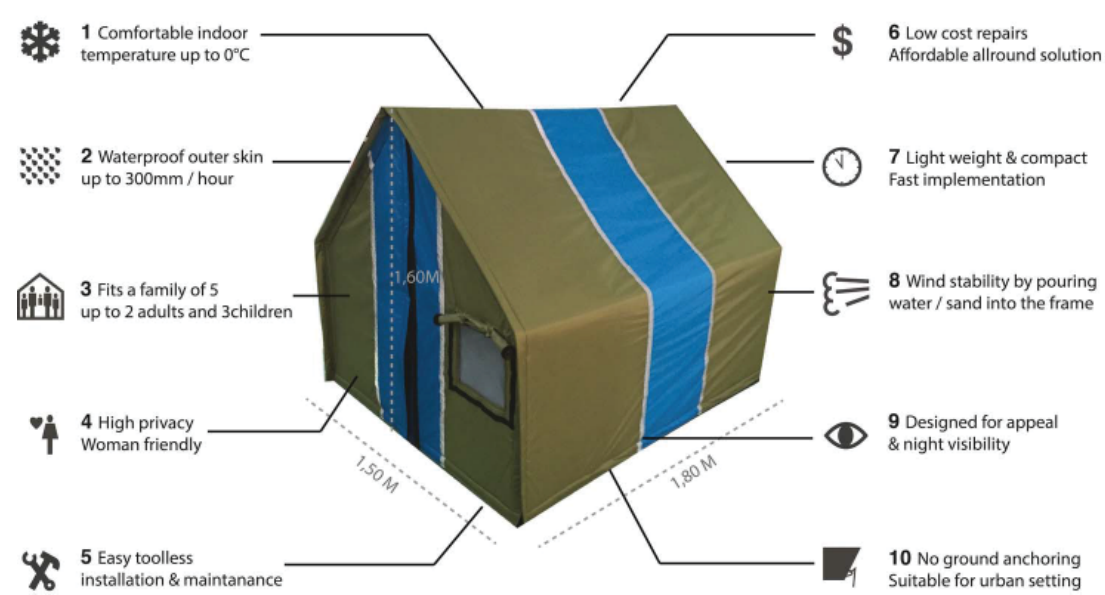
“OH, YOU MEAN THOSE **CASKETS**
YOU WANT TO PUT US IN.”

PHASE 2 **DEMOCRATIC DESIGN**
GRAND VISIONS

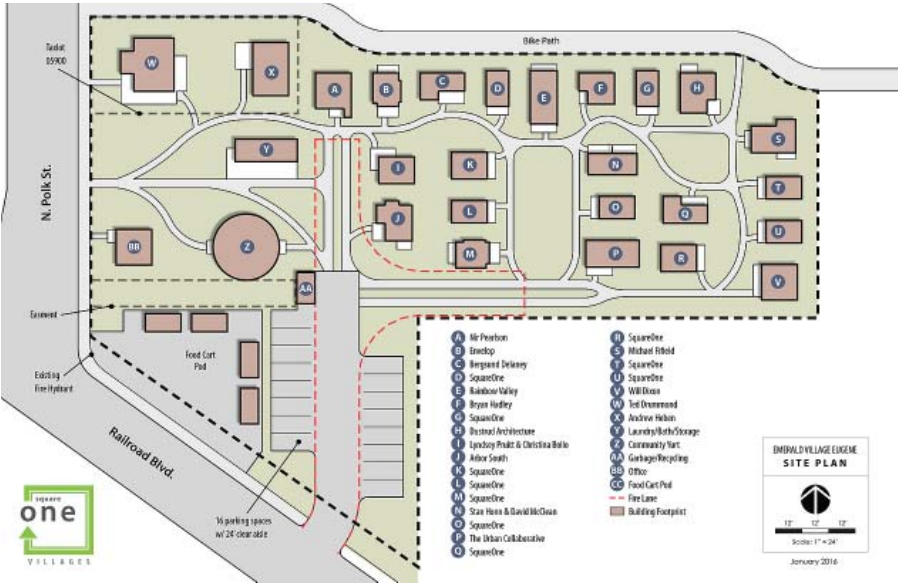
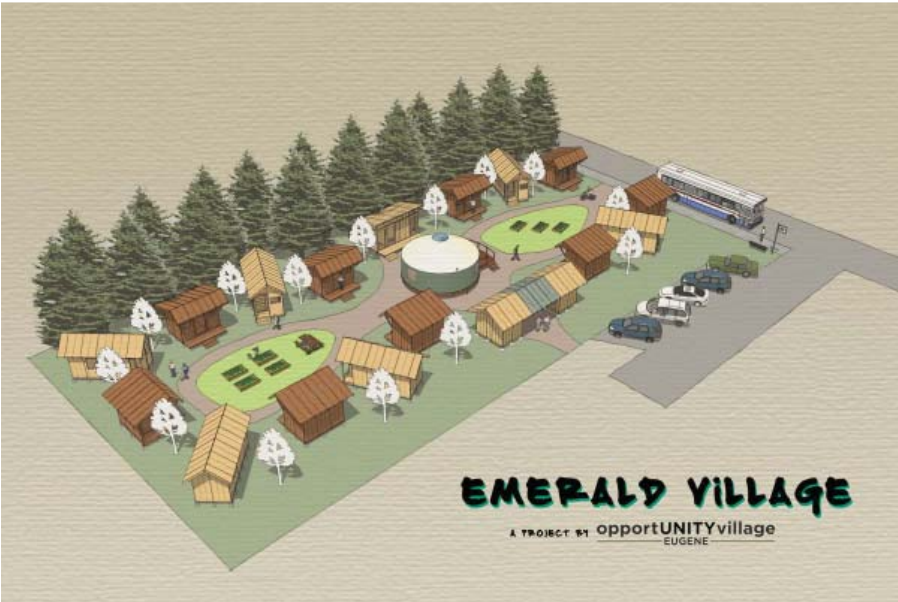
PHASE 2 SURVEYING



PHASE 2 SURVEYING



PHASE 2 SURVEYING



Future Growing, LLC May 2010 Commercial Greenhouse Farming Producing Locally Grown and Pesticide Free Lettuces, Herbs, Edible Flowers, Vegetables, and Tilapia Fish. This Off Grid Amish Farm Utilizes Rainwater Collection, Geothermal Energy, and Many Other Sustainable Practices to Maintain the Greenhouse Facility.



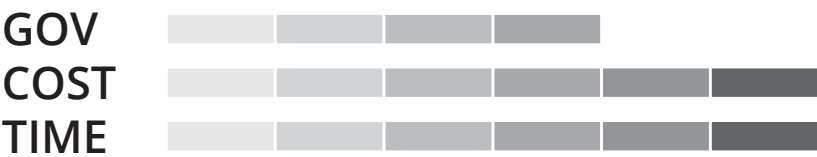
PHASE 2 SURVEYING

MOBILITY / PERMANENCE

OPTIONS: BALANCING COST, TIMELINE, FEASIBILITY

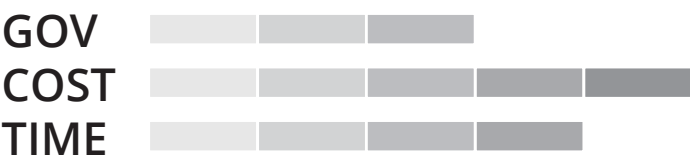
LAND PURCHASE

(NO MOVE)



- 1. requires city to approve altered land-use/zoning (density)
- 2. building code compliance
- 3. land purchase
- 4. construction cost (full scale construction)
- 5. 3 years minimum (complete dependence on gov't)

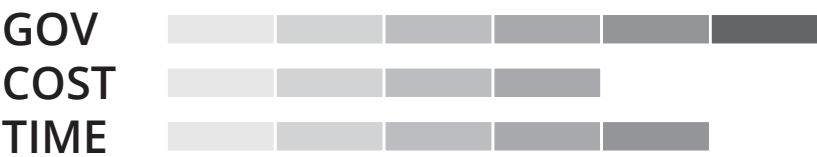
3-12 MONTH MOVING CYCLE



- 1. negotiate more long-term leases
- 2. some code may apply (+ DOT code)
- 3. land lease + utilities
- 4. fabrication cost
 - house on wheels: \$3000~\$6000 per home
 - disassemble house: \$1000~\$2000 per home
- 5. ~2-3 years (depending on gov't willingness to negotiate)

1+ YEAR MOVING CYCLE

(NICKELSVILLE MODEL)



- 1. requires city to approve altered land-use/zoning (density, overall concept)
- 2. some code may apply (+ DOT code)
- 3. land lease + utilities
- 4. fabrication cost
 - house on wheels: \$3000~\$6000 per home
 - house on sled: \$2000~\$4000 per home
- 5. ~2-3 years (depending on gov't willingness to negotiate)
(can use Nickelsville sites as example / negotiating tool)

3 MONTH MOVING CYCLE

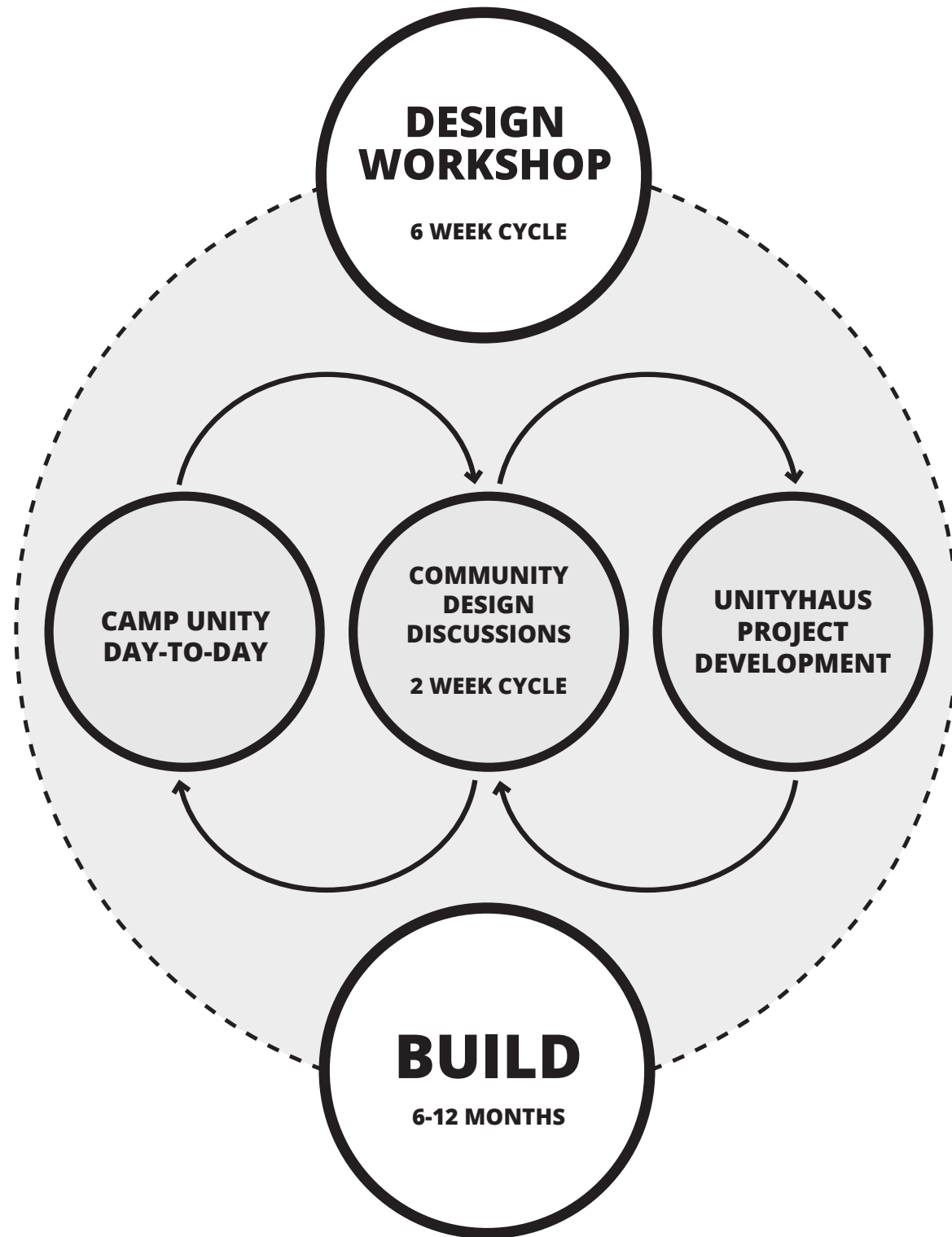
(CURRENT CONDITION)



- 1. continue on current agreements
- 2. no applicable code (shell / platform)
- 3. some code may apply (shower / community / other)
- 4. current lease and utility agreements
- 5. fabrication cost
 - tent shell / platform: \$500 per tent
 - all others: unknown
- 6. 6 months ~ 1 year

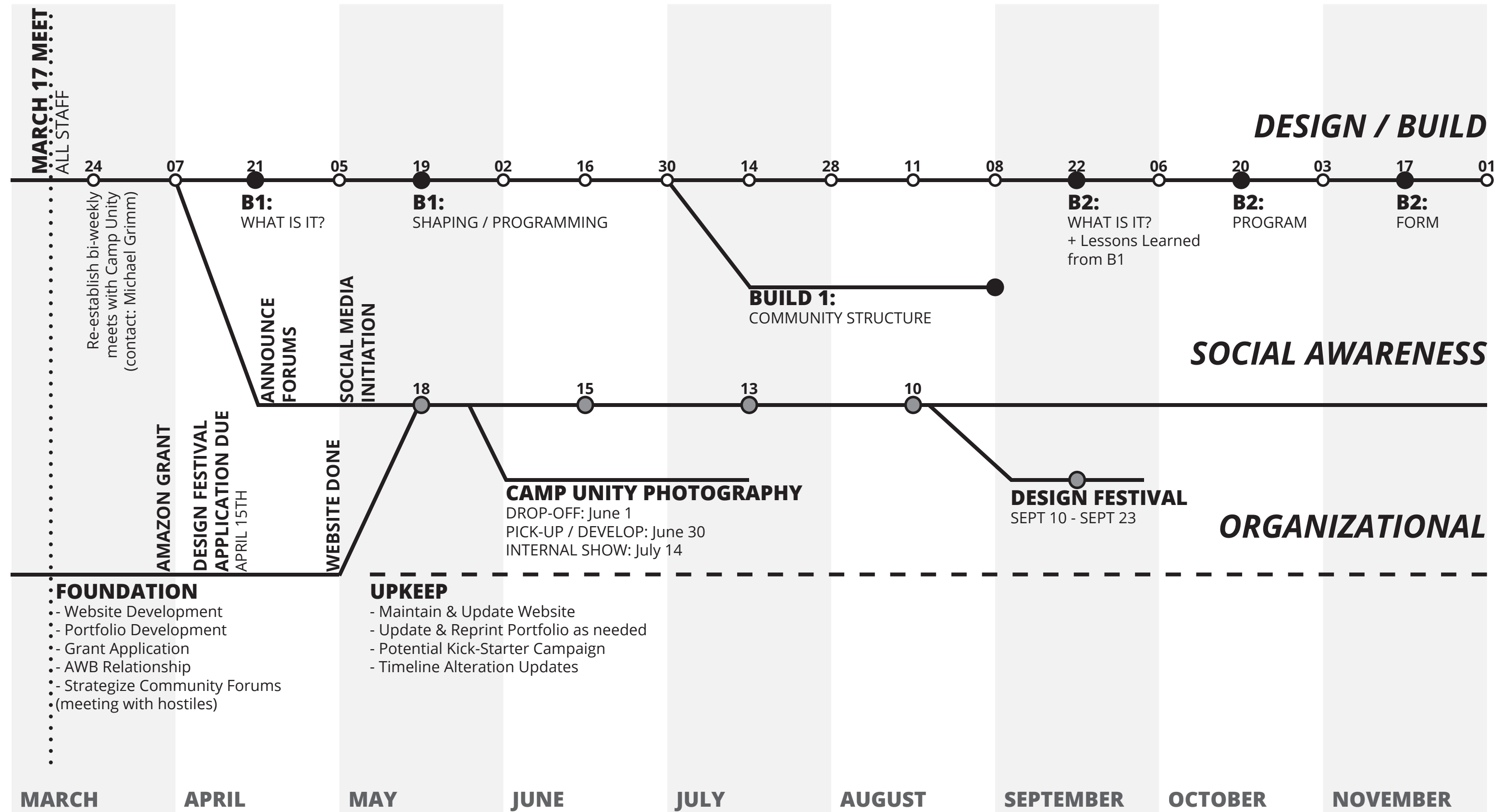
IMMEDIATE ACTION PROJECTS
WHAT ARE SOME ONE-OFFS WE
CAN DO RELATIVELY QUICKLY?

PHASE 2 **DESIGN PROCESS**



PHASE 2 TIMELINE

- INFORMAL COMMUNITY DESIGN DISCUSSIONS
- COMMUNITY DESIGN WORKSHOPS
- COMMUNITY INTEGRATION FORUMS



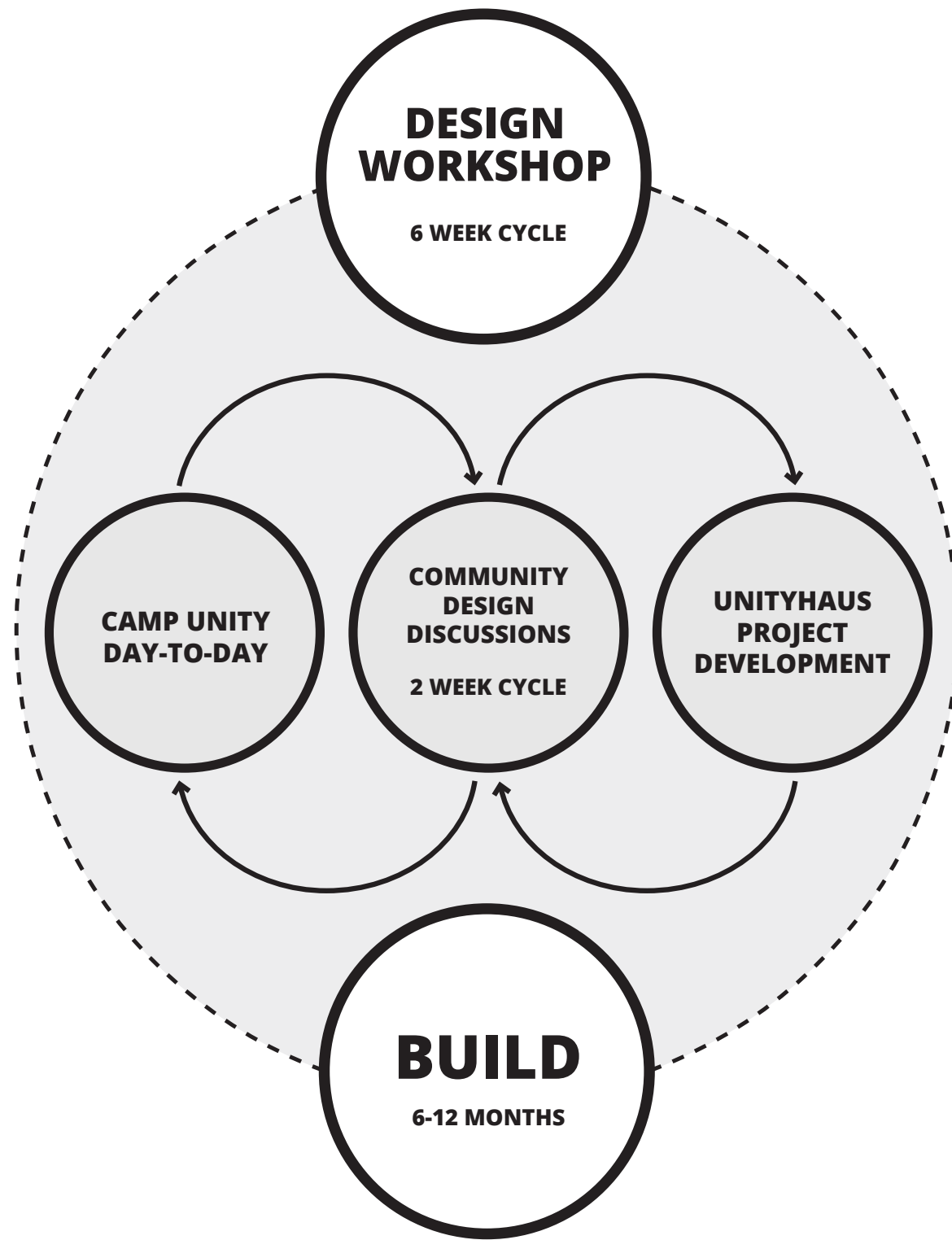
BURN OUT

PHASE 3 **RESEARCH & DEVELOPMENT**
SMALL SCALE TESTING

PHASE 3 RESEARCH & PROTOTYPING



LESSONS **CHALLENGES**



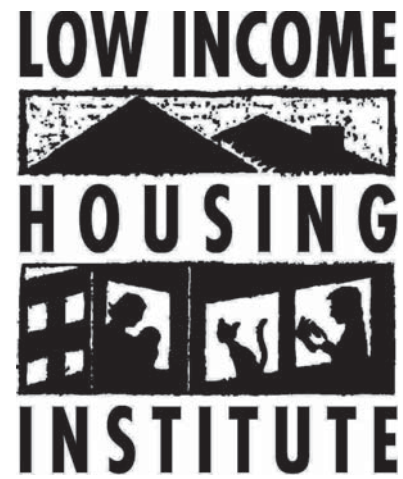
MATCHING EXPECTATIONS
(OF OUTCOMES / COMMITMENTS)

ENCOURAGING PARTICIPATION
(LACK OF CRED)

GAINING CONSENSUS

MAINTAINING BALANCE OF
PRODUCTION AND CHECK-INS

LESSONS **NETWORKING**



- + COUNTLESS RELIGIOUS ORGANIZATIONS
- + LOCAL NATIVE TRIBES

LESSONS **SUCCESES**

HIGHLY SUPPORTIVE NETWORK / NON-COMPETITIVE

DEVELOPING RELATIONSHIPS WITH CAMP RESIDENTS

INSIGHT INTO TRUE STRUGGLES OF HOMELESSNESS

INSIGHT INTO MUNDANE STRUGGLES OF HOMELESSNESS

VOLUNTEERS REFINED TO DEDICATED CORE

DESIGN CAN DO MORE THAN PRODUCE
THE PHYSICAL...