

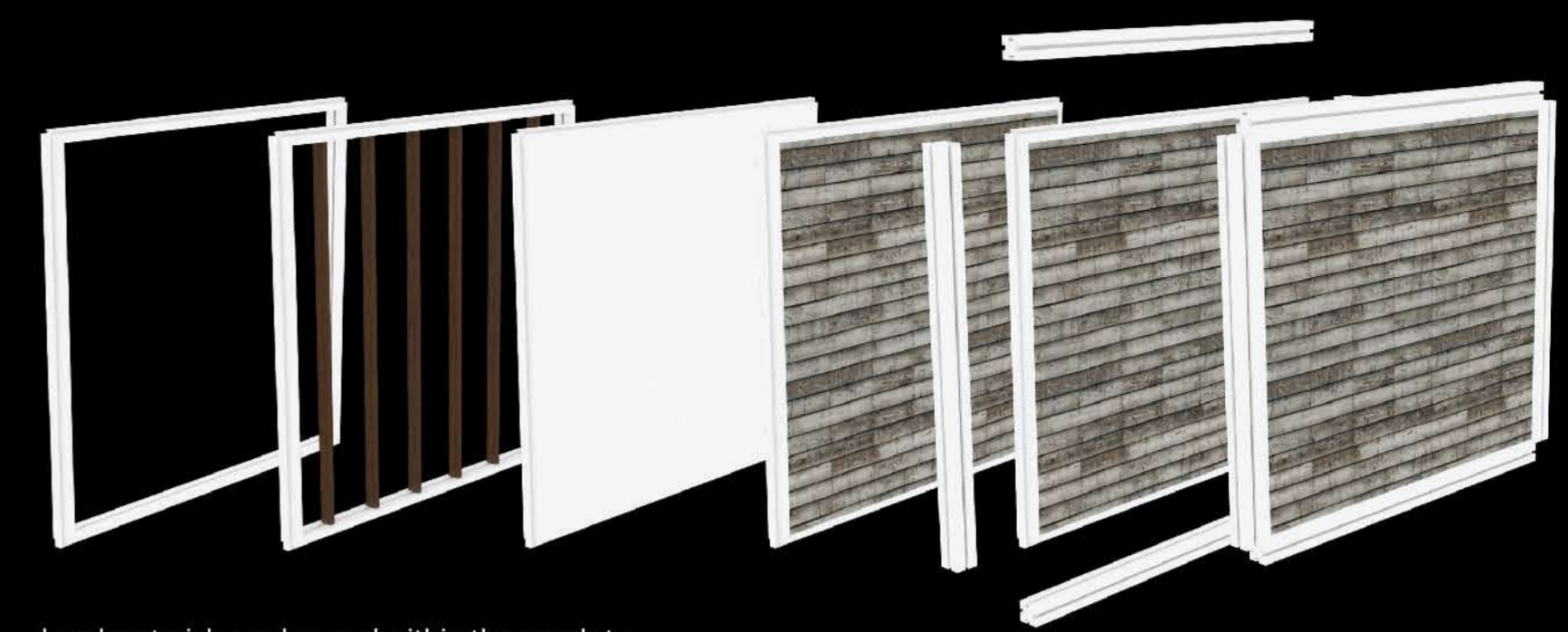


TUKTU

CANADIAN RURAL + ACCESSIBLE HOUSING INITIATIVE

GOALS:
 Facilitate multifunctional and efficient design accessible to all Canadians
 Faster build times for rural communities and climates with short construction seasons
 Create opportunity to use existing resources while reducing waste and emissions
 Maintain an inclusive design process to celebrate cultural bonds between people, architecture, land and resources
 Support trades and business education opportunities
 Reduce costs through reduction of shipping needed per construction project

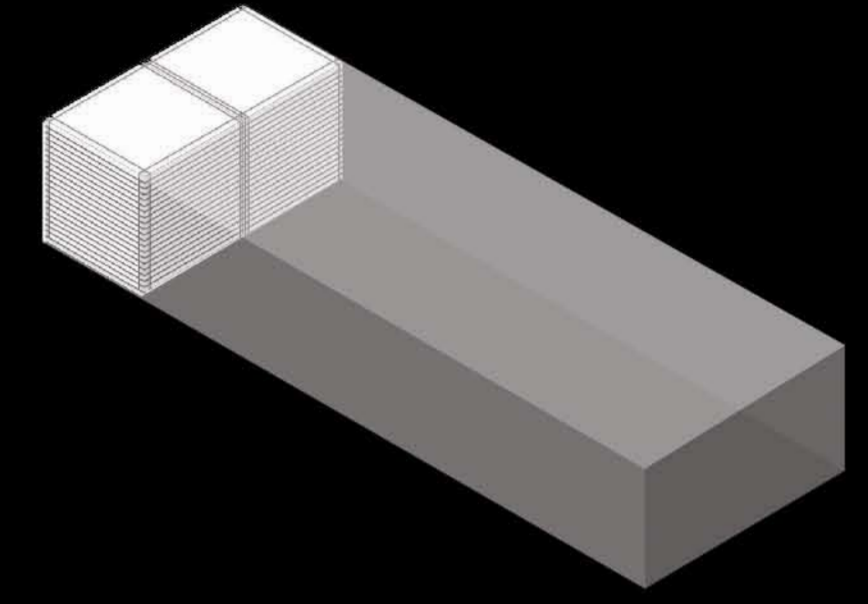
Expanding accessible rural housing opportunities, this collapsible architecture and integrated paneling allows for use and re-use of local and culturally significant materials, unifying user and structure, while strengthening the connection between nomadic and settled lifestyles. Its systematic interconnection of spaces simplifies allocation and sharing of resources, increases user design input and evokes the cultural connectedness of the individuals, their communities, and the surrounding landscape.



Local materials can be used within the panels to celebrate sustainable Canadian construction techniques and culturally significant building practices

HOUSEBOAT

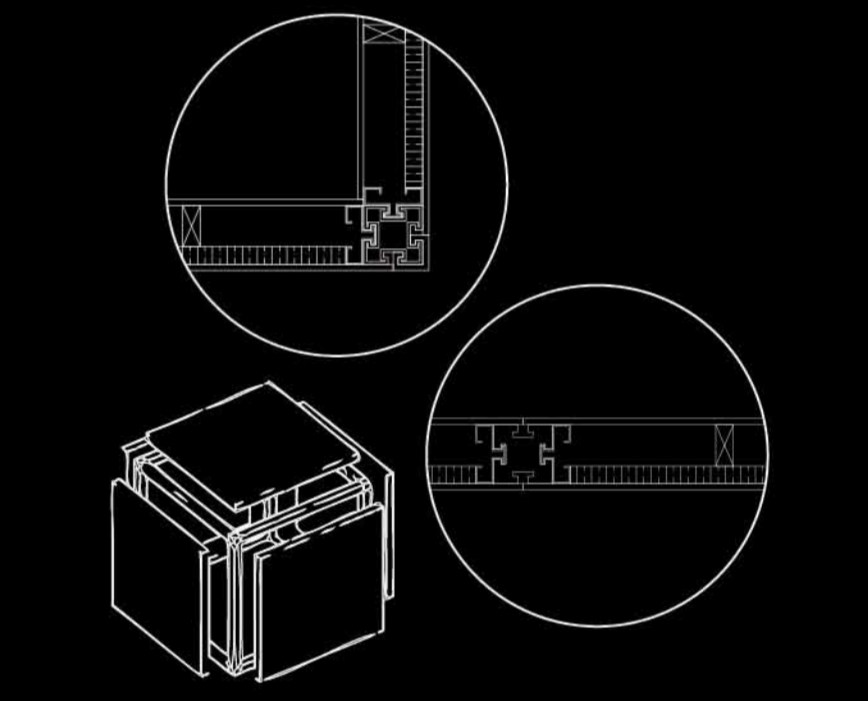
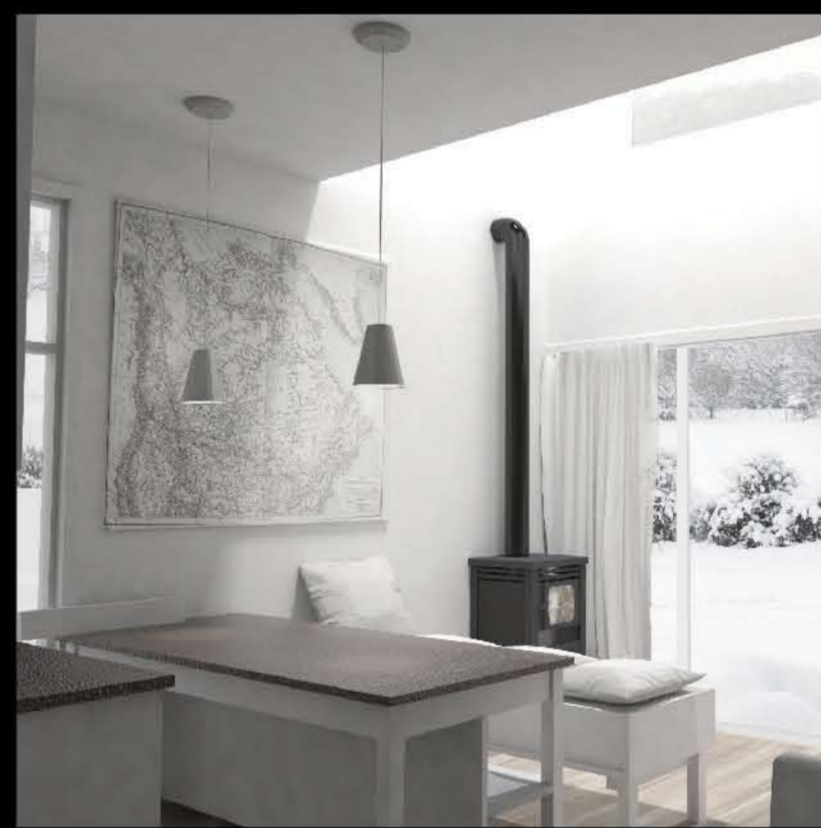
ISSUE: Not all communities have road access
SOLUTION: Parts can be sent as close as possible before being built and sailed to destination to allow housing accessibility to all



Flat packed construction techniques take up significantly less space during transport than equally sized pre-constructed homes.

LOFT

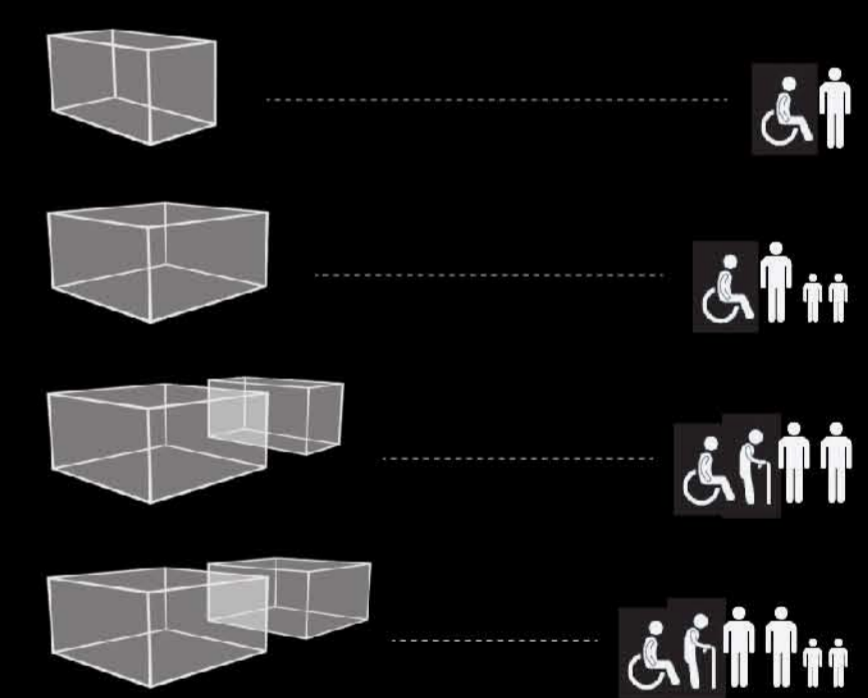
ISSUE: Community left out of design process
SOLUTION: Accessible design to increase user investment and connection with architecture



Building exteriors can be built during summer months, extending the short construction season and providing interior construction employment throughout the year.

CABIN

ISSUE: Inadequate single occupancy housing
SOLUTION: Possibility for allocation of space per capita which increases opportunity for independence and decreases need for unhealthy living arrangements. Youth are encouraged to stay and contribute to their community



Frames and panels allow for efficient building fluctuation and create an invested relationship between families and their homes.

COTTAGE

ISSUE: Stigma attached to "low-income" housing
SOLUTION: Promote system as efficient design solution for cottages and summer homes in rural, secluded areas



APARTMENT

ISSUE: Community left out of design process
SOLUTION: Accessible, interactive design process to increase user investment and connection with architecture. Shared expenses and resources create a stronger and more unified group, increasing opportunity, education and quality of life

