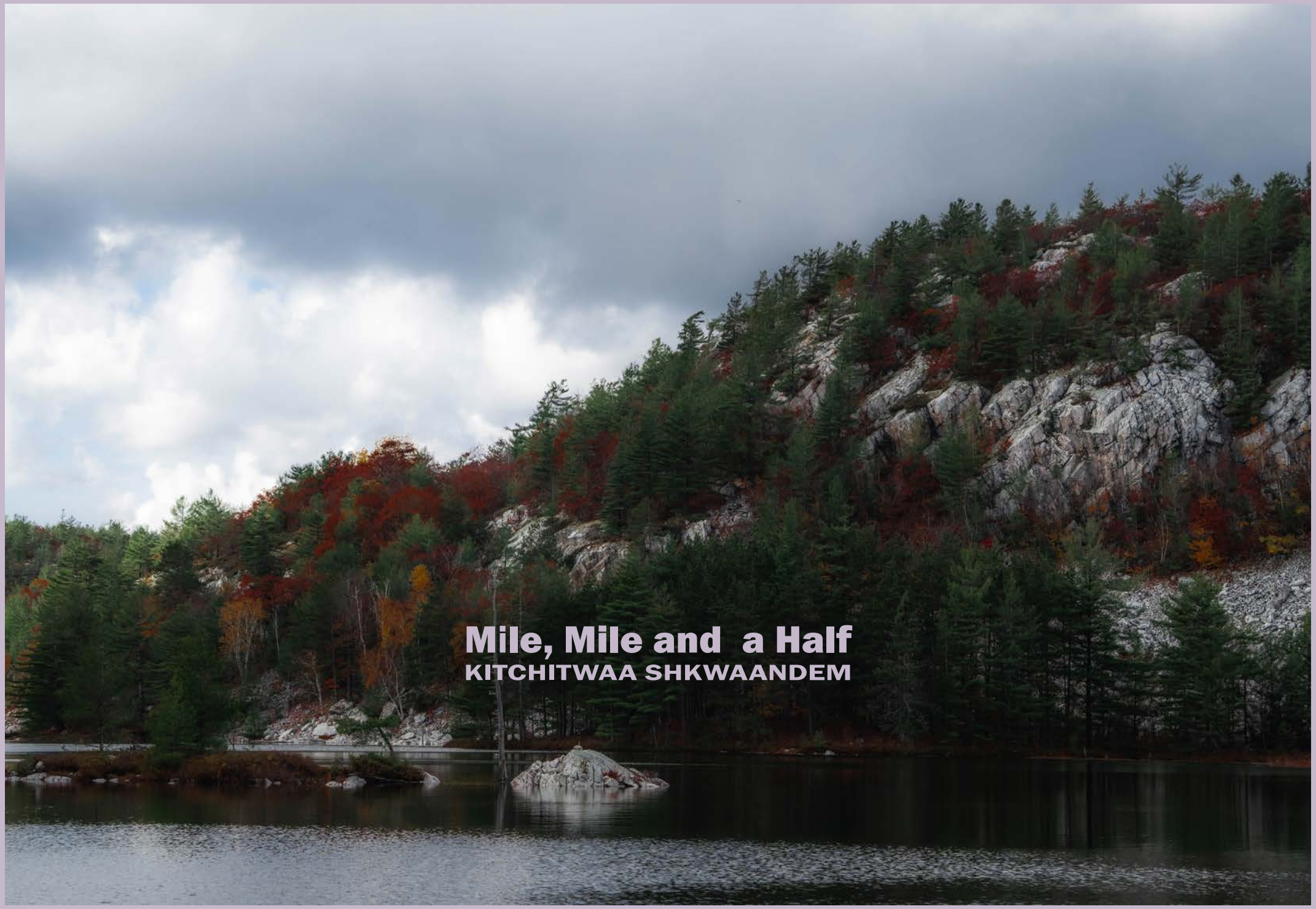
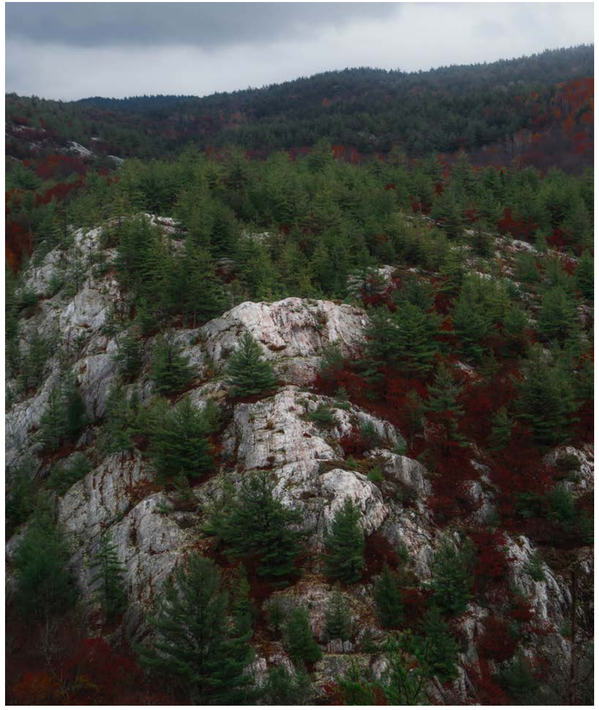

Mile, Mile and a Half
KITCHITWAA SHKWAANDEM



Quartzite RidgeLine at East of White's Lake

Mile, Mile and a Half

KITCHITWAA SHKWAANDEM

Heaven's Gate Trail

Andrew Hrycusko

Laurentian University

McEwen School of Architecture

M1 Master's Studio

Architecture / Craft

Randall Kober

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Introduction

Wayfinding

The issue with Wayfinding on the trail is more an issue with marking and less with the techniques being used. My approach to this was to create 3 different types of tags for the trail; Site Markings, East Trail Markings, and West Trail Markings. This way the novice hiker can ensure they never follow a loop back to where they were earlier. The tags at campsites would say the distance to the next site East and West so noone is ever left to guess if its a mile or mile and a half away or closer to 5.

Campsite Signage - indicating next site location in each direction.

Western Direction Trail Marker

East Direction Trail Marker

Abstract

Abstract

“Mile, Mile and a Half”
“Only a couple K to go”
“It’s been 10 minutes”

All these are answers I was given when I asked how much further until the next site. Wandering through the relatively unmarked sections of the Kitchitwaa Shkwaandem, or Heaven’s Gate Trail a GPS is the only source of information on where you are and when you can stop. For the well versed outdoorsman this is no big issue, but for the newcomer taking their first step outdoors, trying to find an escape during the pandemic the gaps between sites and unbridged streams can be a deterent.

Through the development of a Tent Platform, Bridge and Shelter the sections of the trail that were previously daunting will welcome hikers with infrastructure that doesnt intrude on the natural experience of the site. Each of these are completely adaptable to a variety of sites and can be scaled to work with the timber available or transportable to any site along the trail. All proposed interventions are build of wood so when they are no longer needed they can dissolve back into the ecology of the site in which they’re placed. Using a triangulated structural typology they need minimal members to maintain rigidity against whatever mother nature throws at them.

Photo representation of when I was exhausted at the Wright’s Lake Campsite

Site

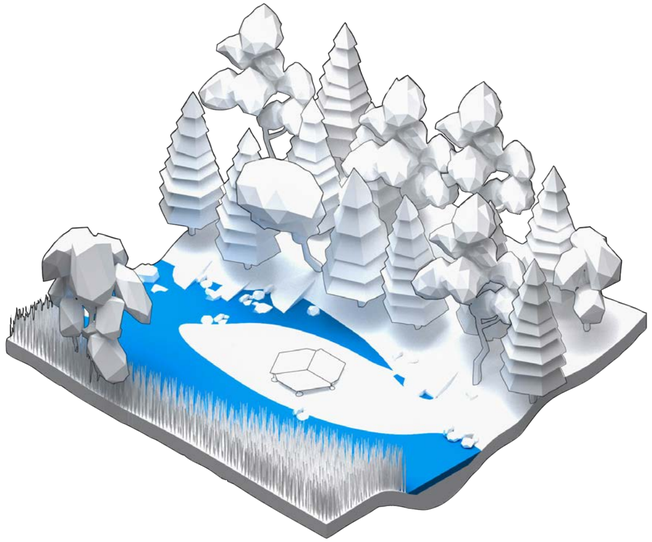
Key Map
KICHITWAA SHKWAANDEM
Heaven's Gate Trail

Furniture, Bridge and Shelter Sites marked in purple along
the the Trail within the La Cloche Provincial Park

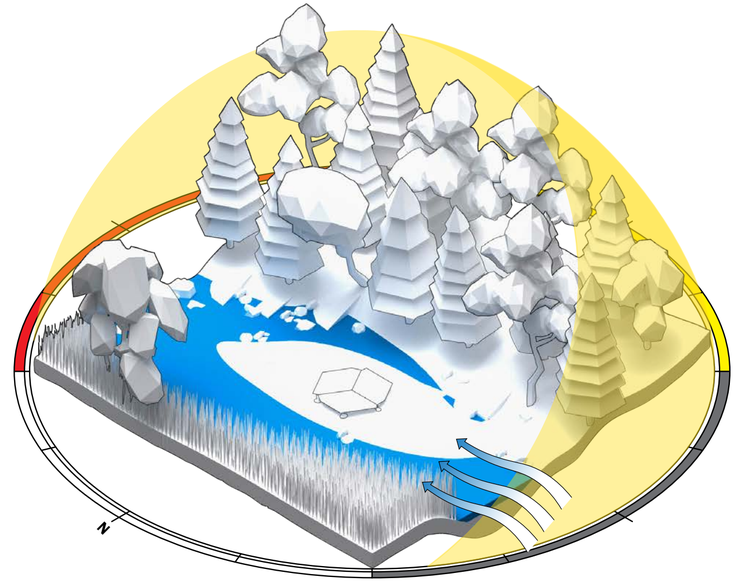
Furniture Site

LA CLOCHE LAKE

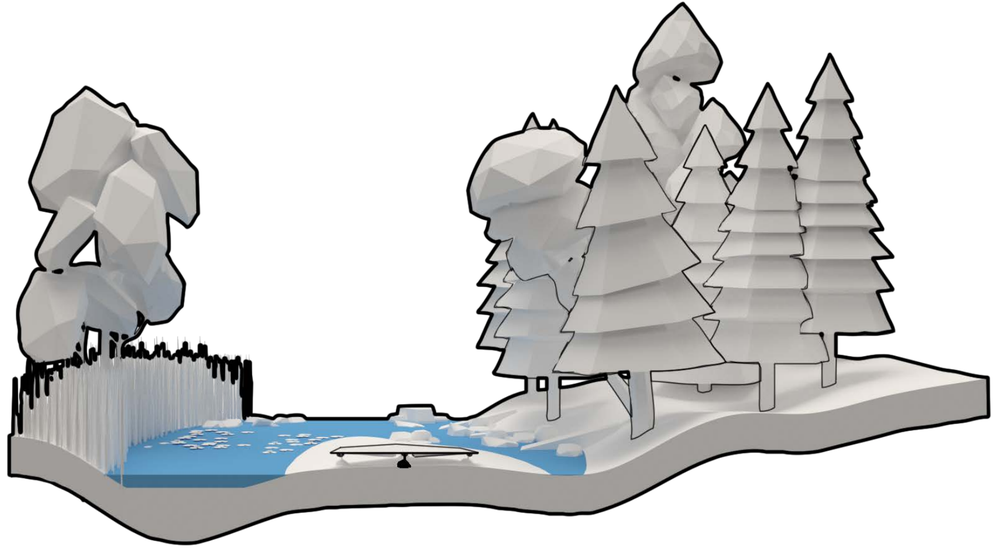
Beaver Stream



Axo



Site Synthesis

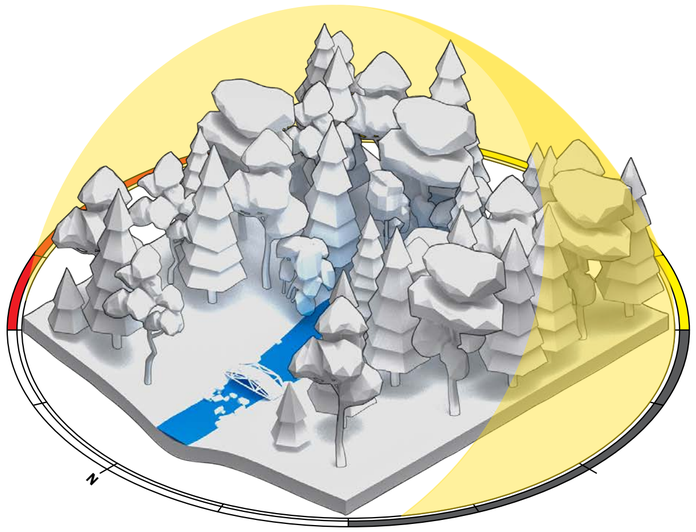


Section

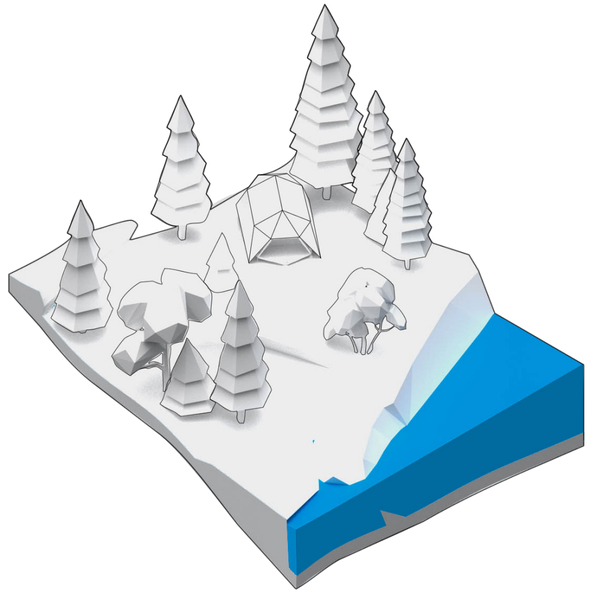
Bridge Site
STREAM SITE
East End Campsite

Axo

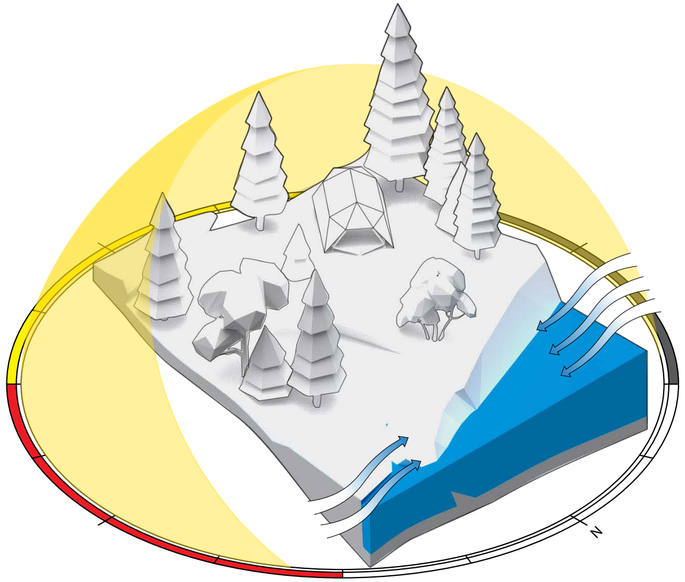
Shelter Site
WHITE'S LAKE
South Shore



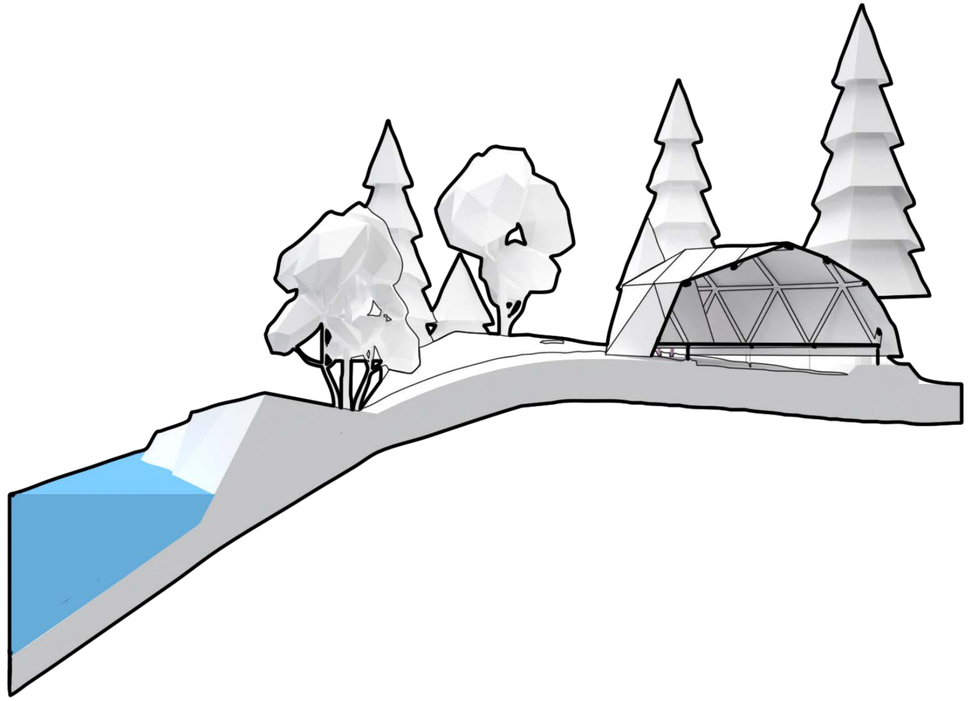
Site Synthesis



Axo



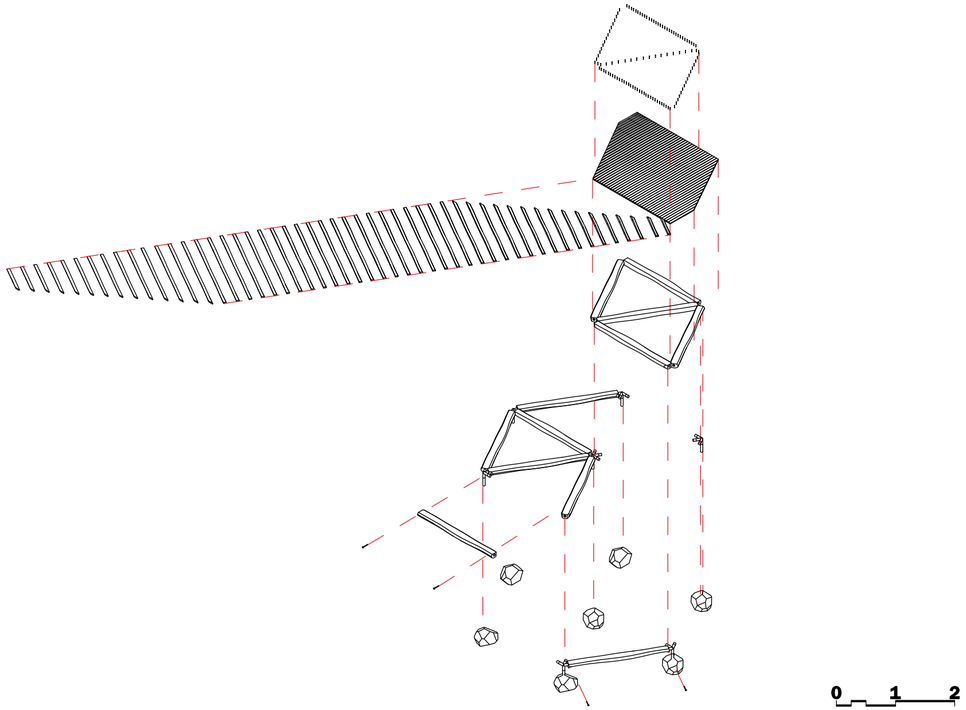
Site Synthesis



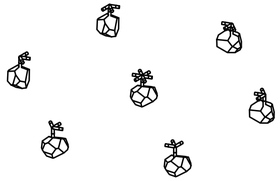
Section

Furniture
TENT PLATFORM
La Cloche Lake

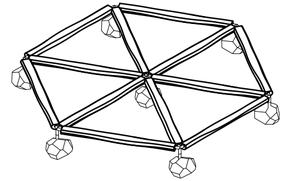
Tent Platform Render



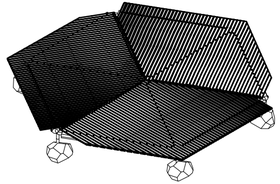
Exploded Axo



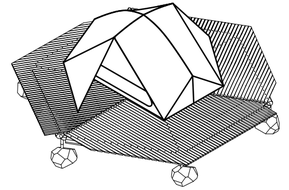
Floor joints placed in pre-drilled holes in rocks arranged in place.



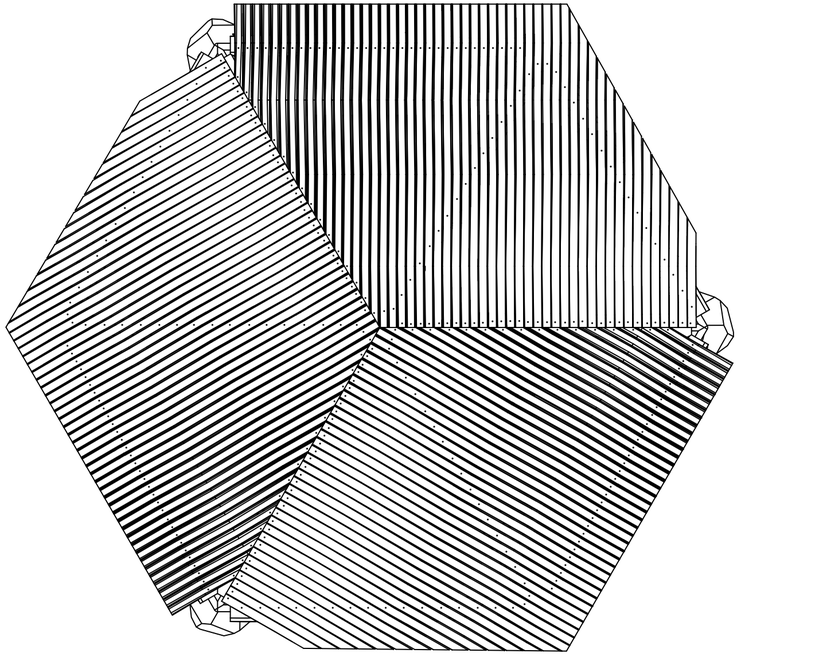
Floor members attached to joints and bolted in place with 8mm bolts.



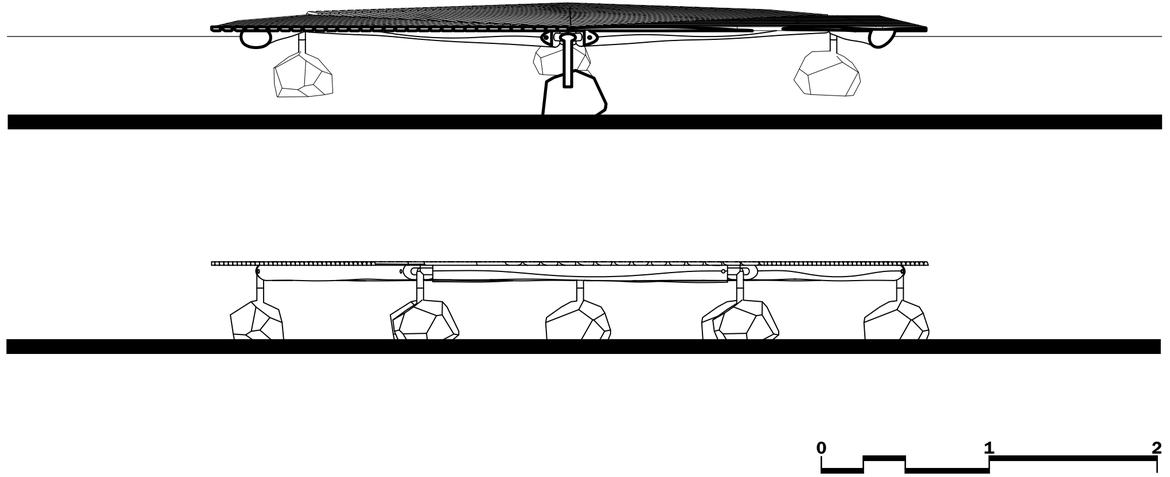
Boards nailed in place with 25cm [1 foot] overhang.



Set up tent.



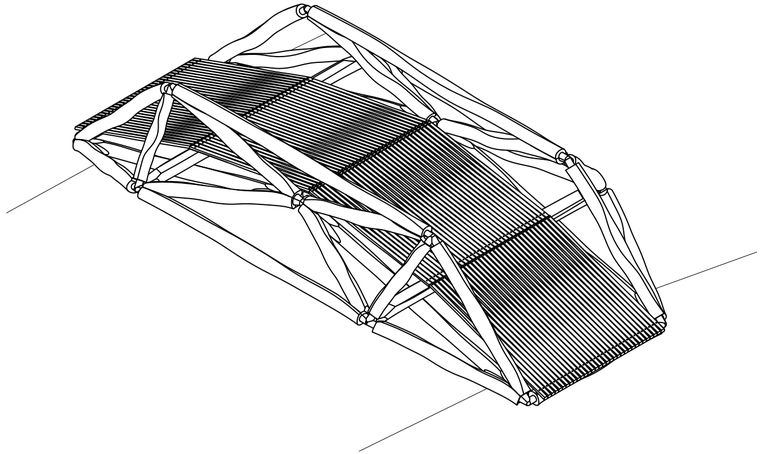
Plan

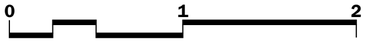


Top: Section
Bottom: Elevation

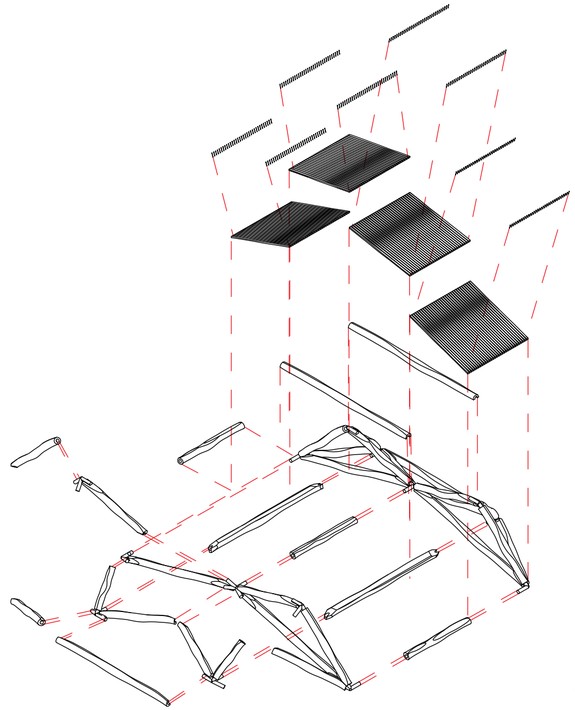
Bridge
LOG CROSSING
Stream Site

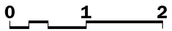
Log Bridge Render



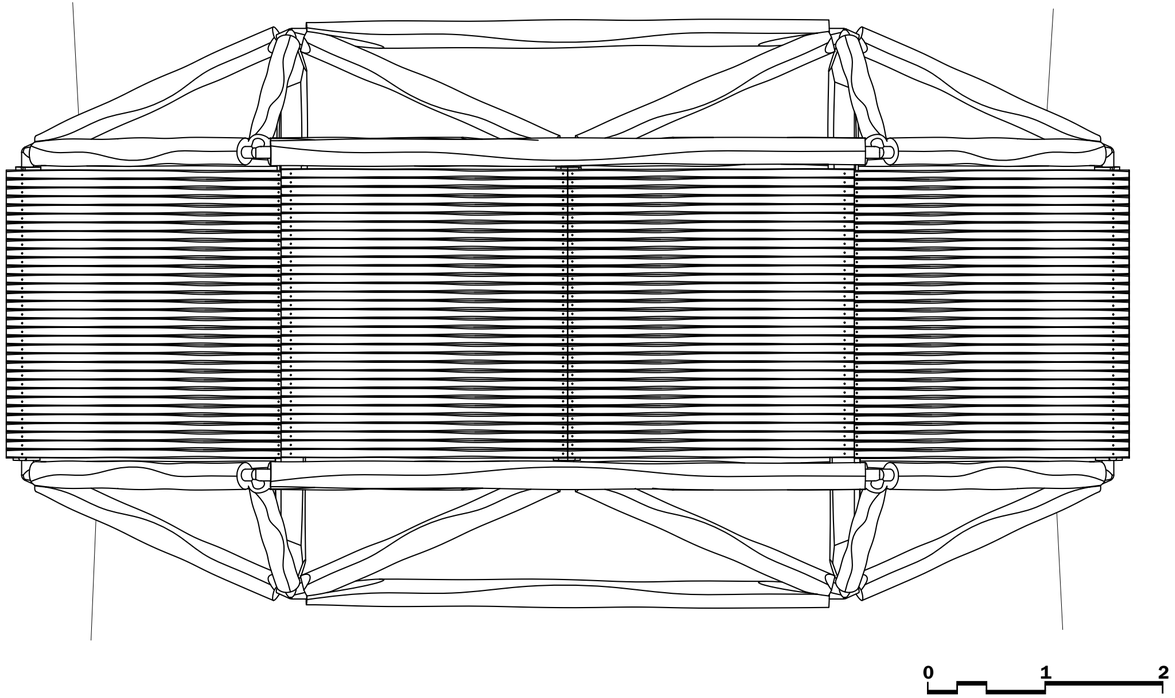


Axo

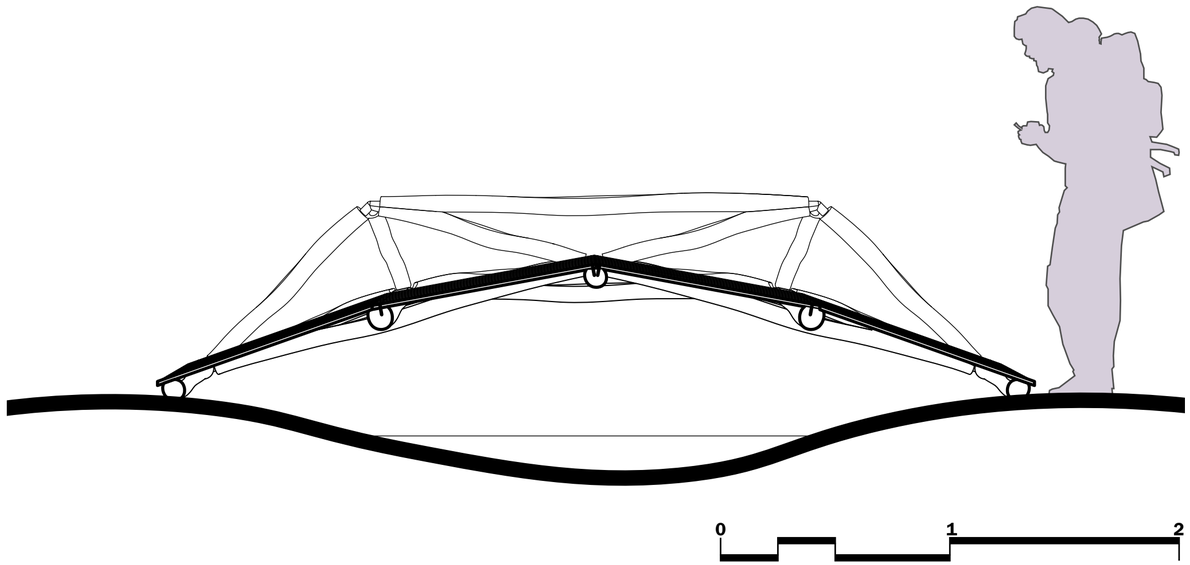




Exploded Axo



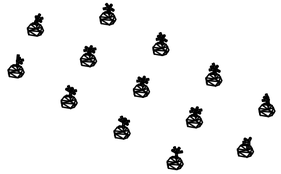
Plan



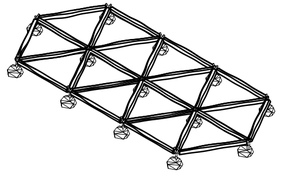
Section

Shelter
LOG TENT
White's Lake

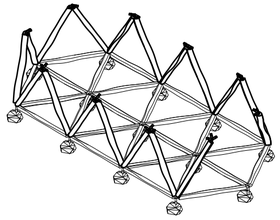
Wood Tent Render



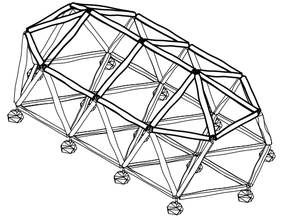
Floor joints placed in pre-drilled holes in rocks arranged in place.



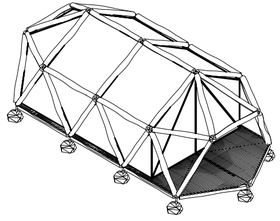
Floor members attached to joints and bolted in place with 8mm bolts.



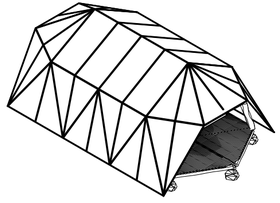
Wall verticals threaded onto floor joints and joined at top with wall-to-roof joints. Bolted in place with 8mm bolts.



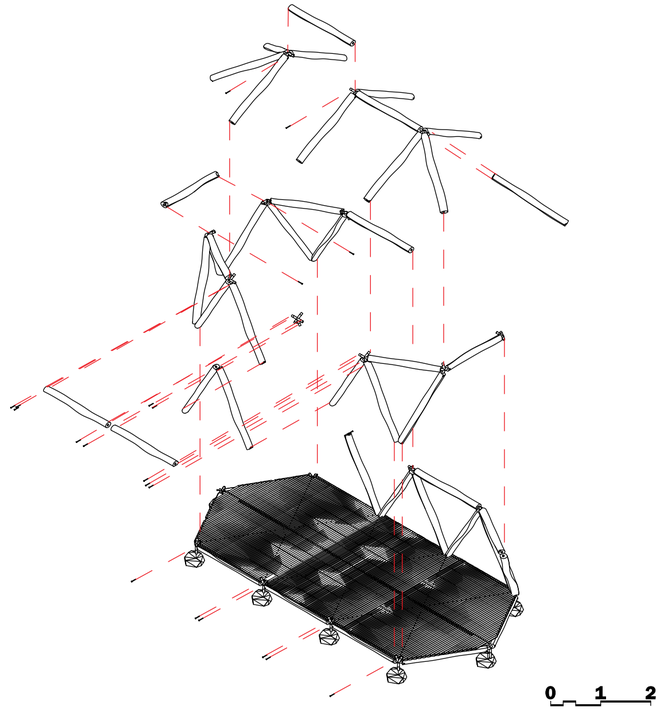
Top of wall and roof members joint and bolted together with 8mm joints.



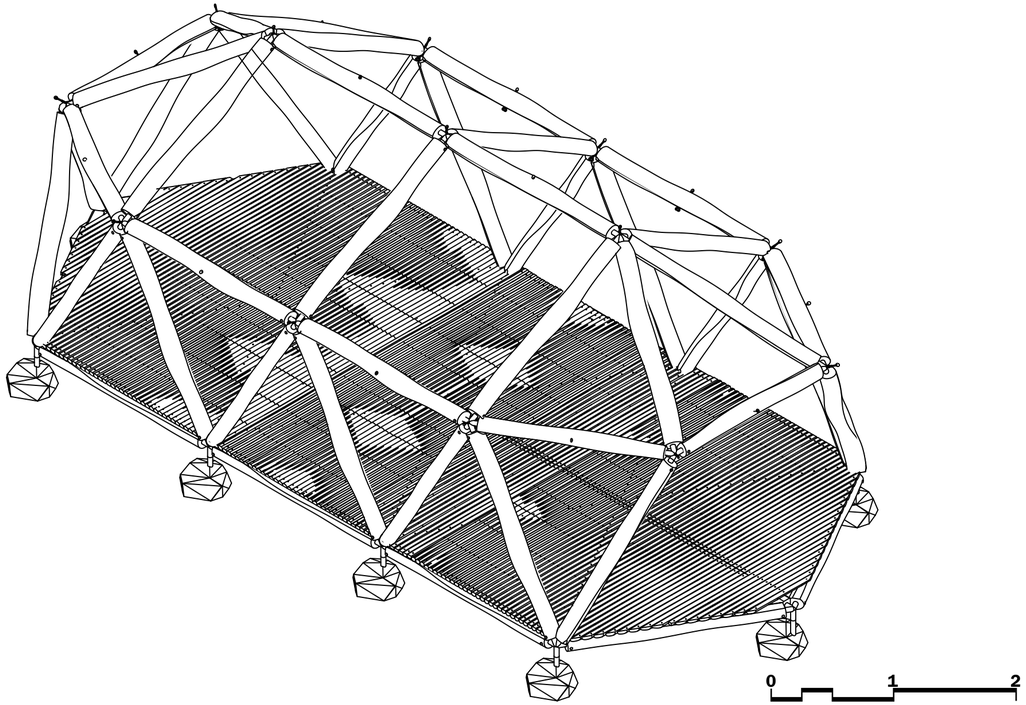
Hangers screwed into place and mosquito mesh hung taut on interior.



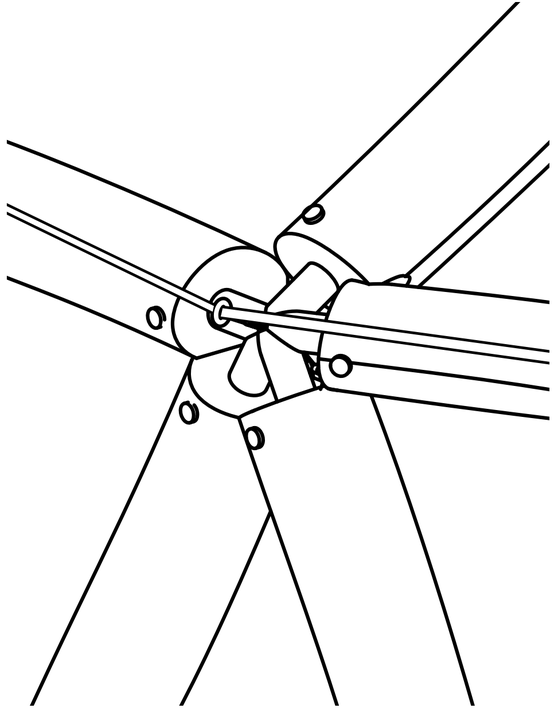
Exterior tarp supports screwed in place and tarp placed over and pulled taut.

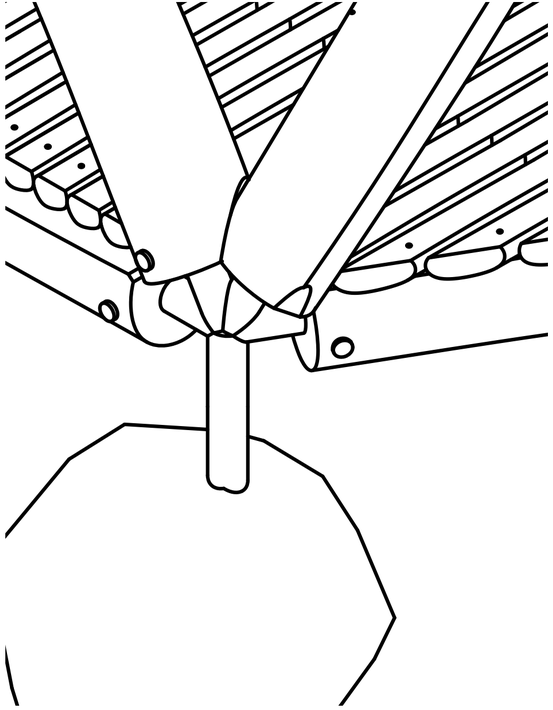


Exploded Axo of Structure [Base the same as Platform]

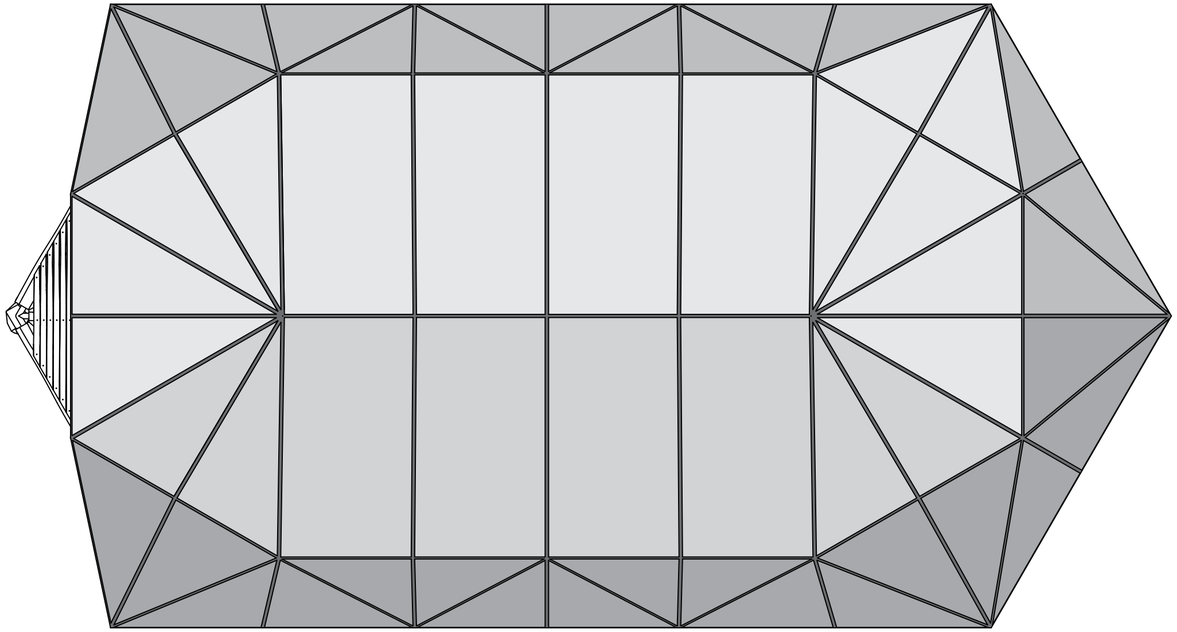


Structure Axo

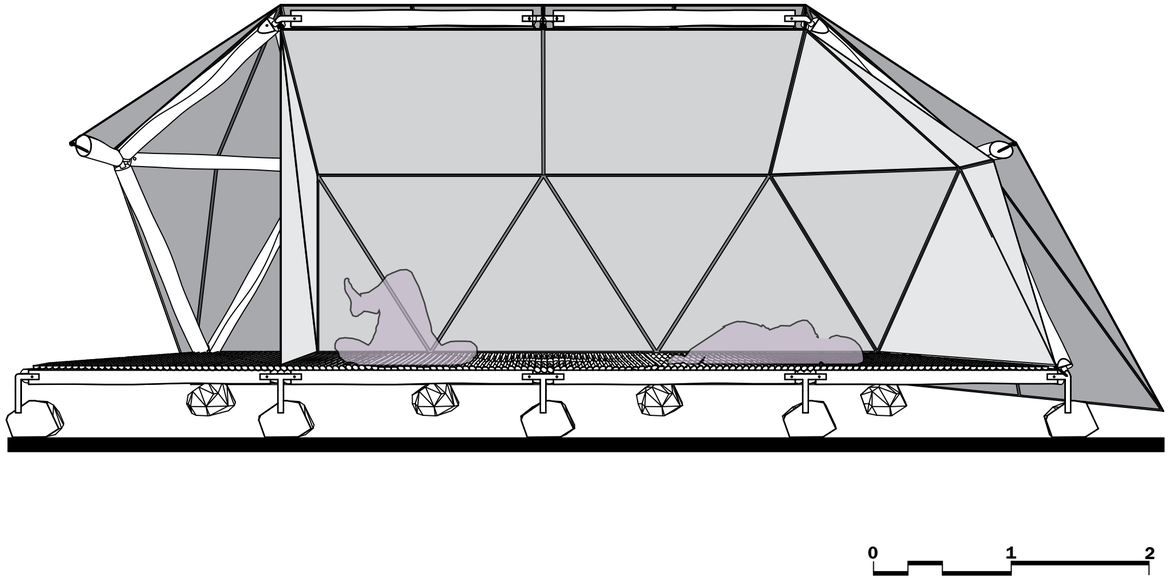




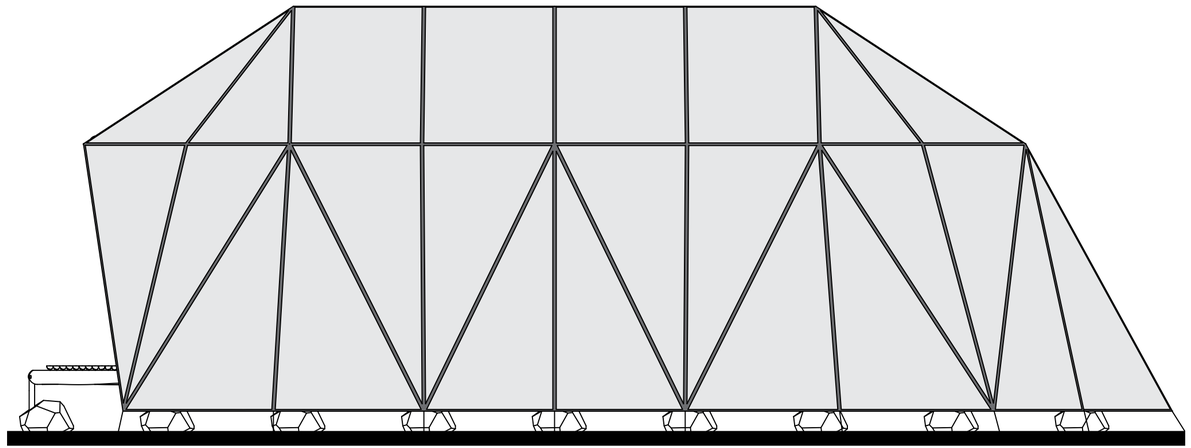
Left: Wall to Roof Join Detail
Right: Floor to Wall Join Detail



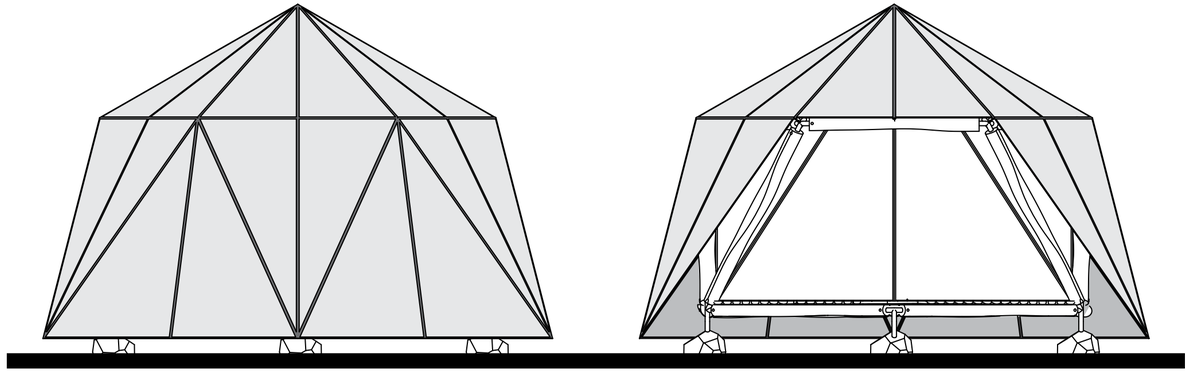
Plan



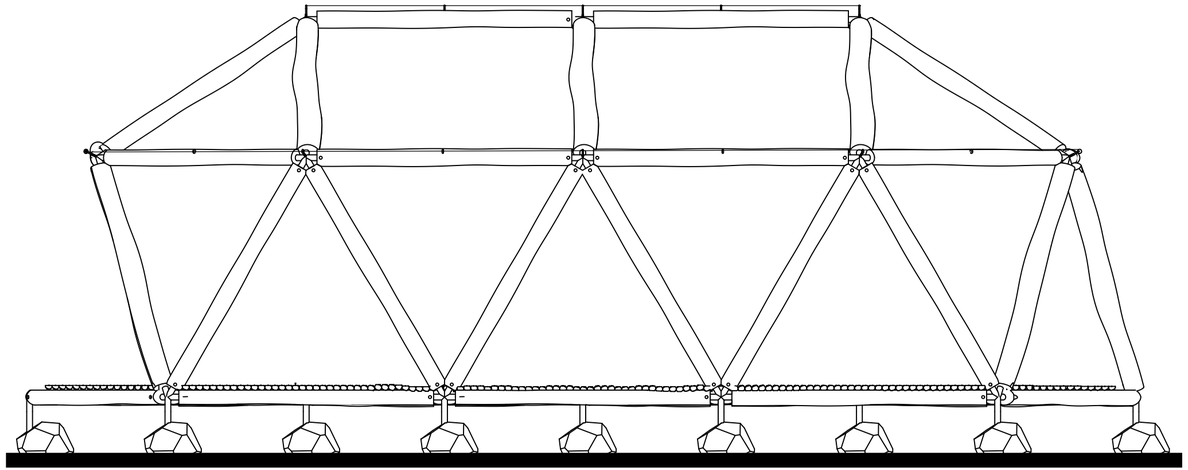
Section



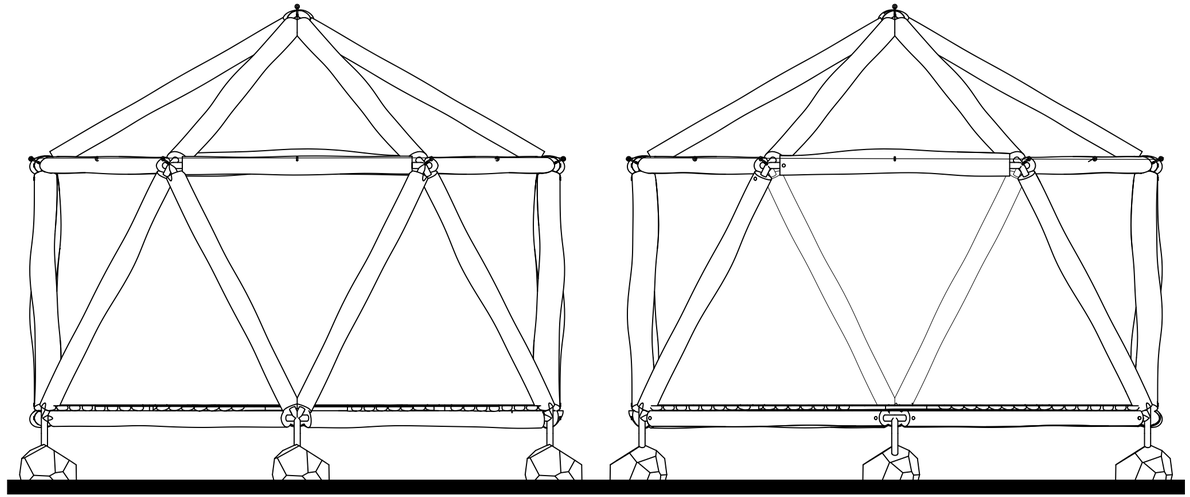
Side Elevation



Left: Back Elevation
Right: Front Elevation



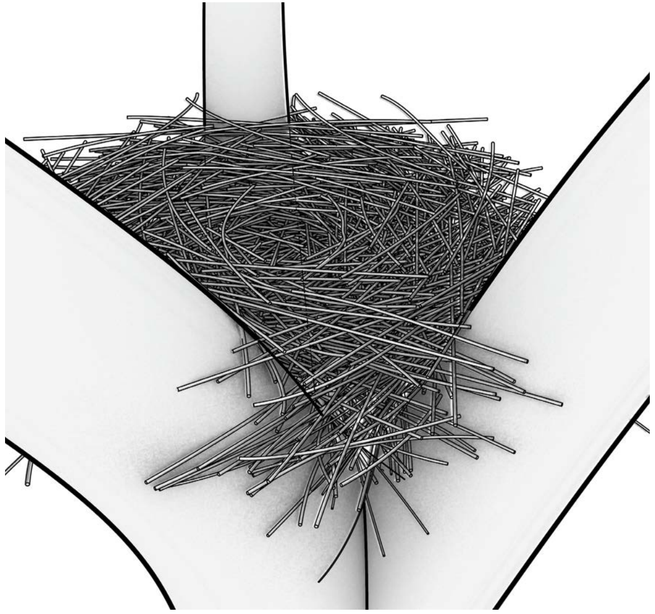
Side Structure Elevation



Left: Back Structure Elevation
Right: Front Structure Elevation

APPENDIX
Typology Models

Flora / Fauna Typology Model
EAGLES AERIE

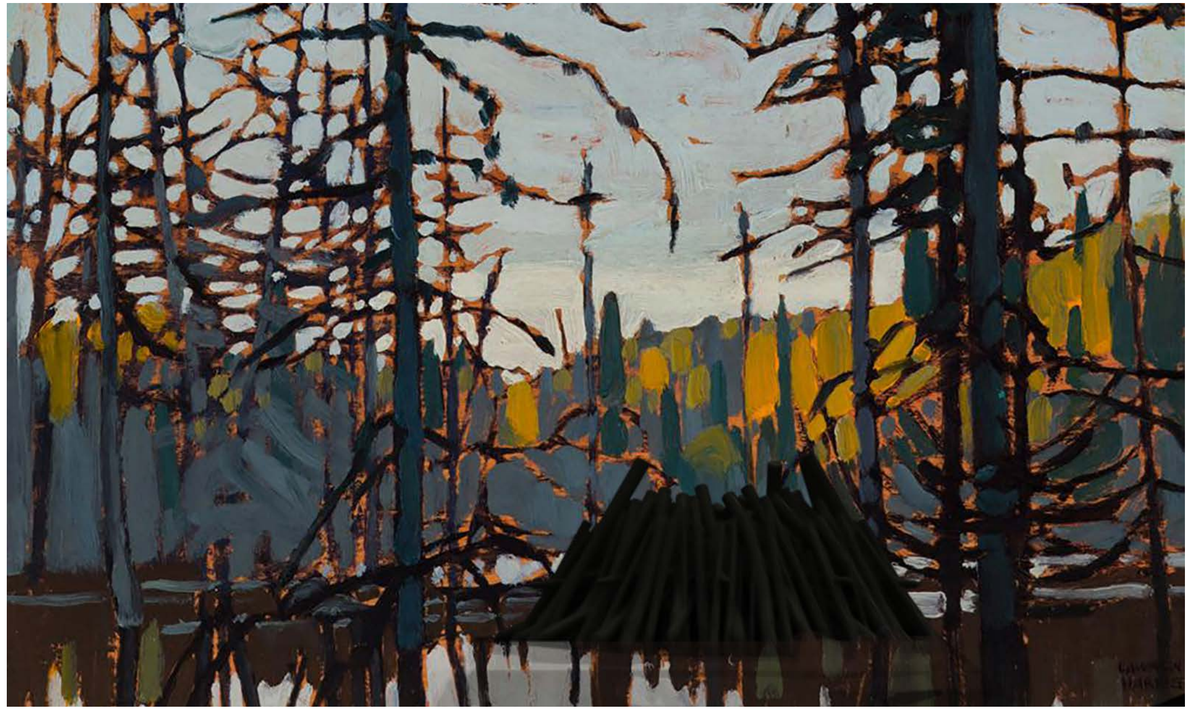


Model

The White Pine - A.J. Casson (1948)
Collaged Eagles Aerie

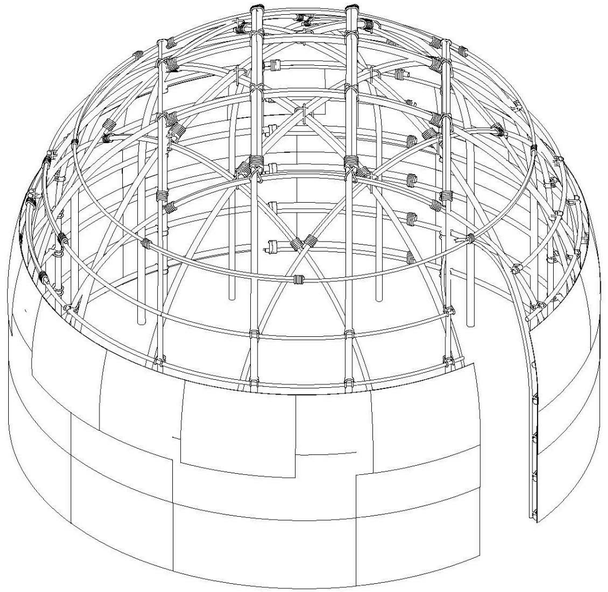
Flora / Fauna Typology Model
BEAVER DAM

Model

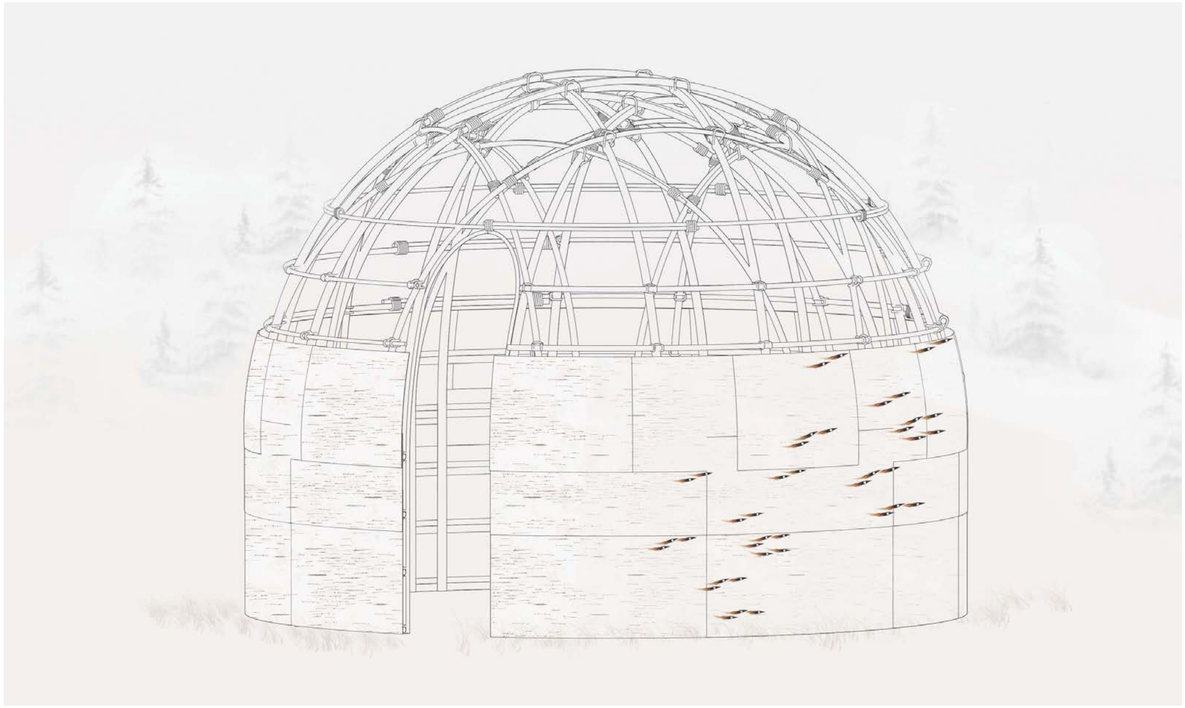


Algoma (Beaver Swamp) - Lawren Harris (1920)
Collage Render of Beaver Lodge

Indigenous Typology
BENTWOOD STRUCTURE

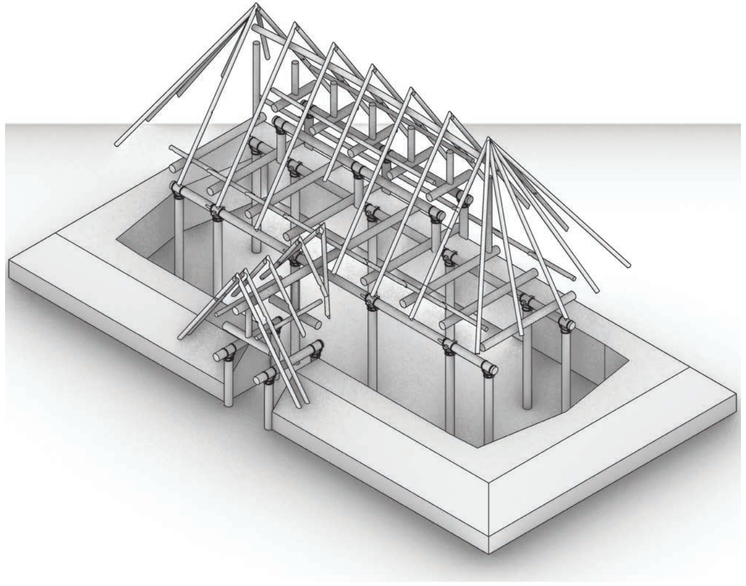


Model

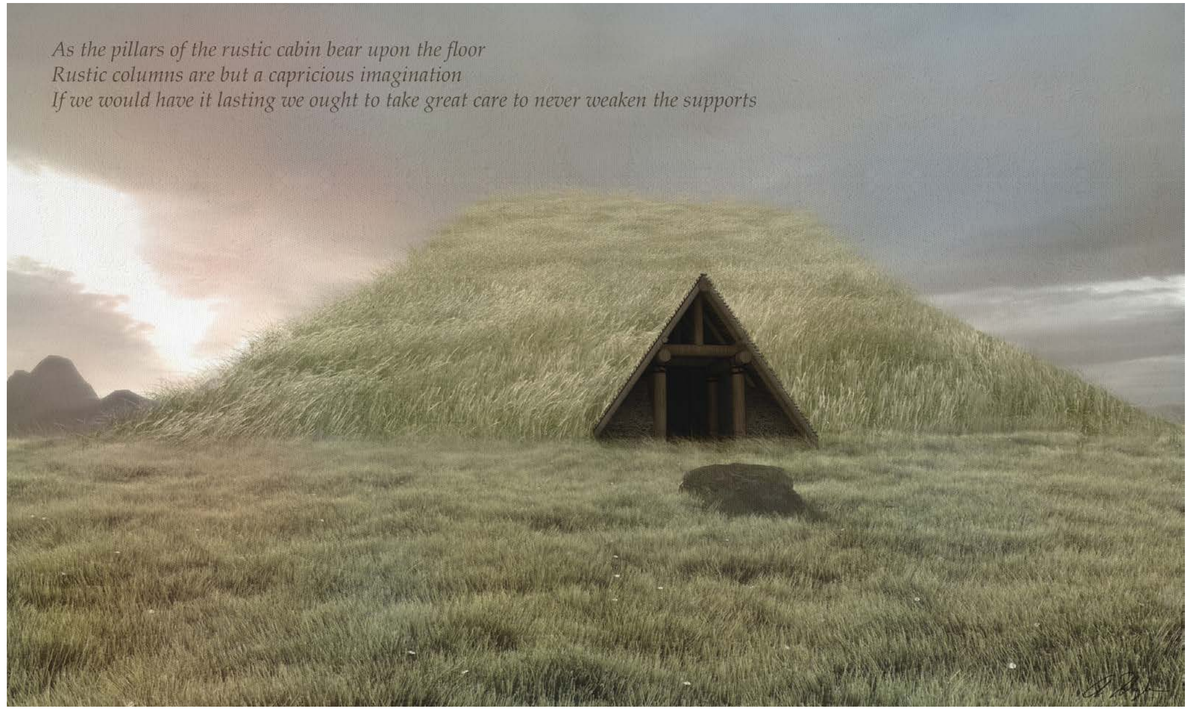


Wigwam (Bentwood Structure)
In Contemporary Indigenous Styles

Colonial Typology
L'ANS AUX MEADOWES
Viking Style Longhouse



Exploded Axo of Model



L'ans Aux Meadowes Typology Romanticism Style
Quote Essay on Architecture, Marc Antoine Laugier

ARCH 5906
ANDREW HRYCUSKO