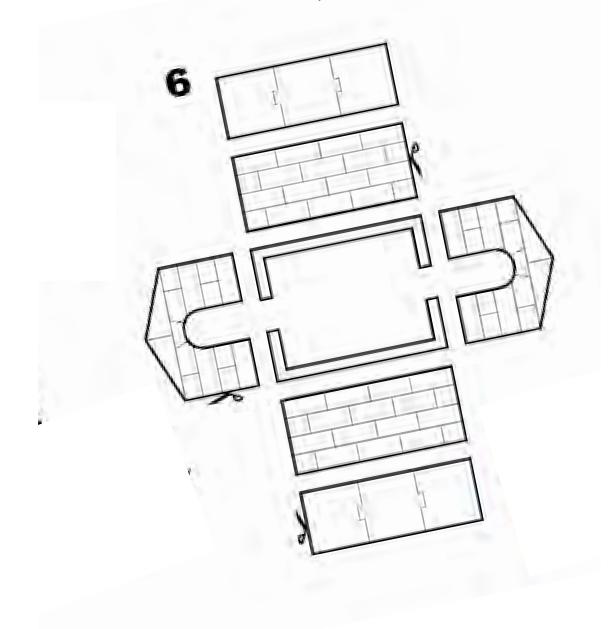
[how to] build a warming hut

Warming Huts:

An Art + Architecture Competition On Ice



09/04/2022

- ->Ater Verrier
- ->Louis Souêtre

registration number: VVH-V2023-0003306

Design of an ast installation Warming huts v.2023

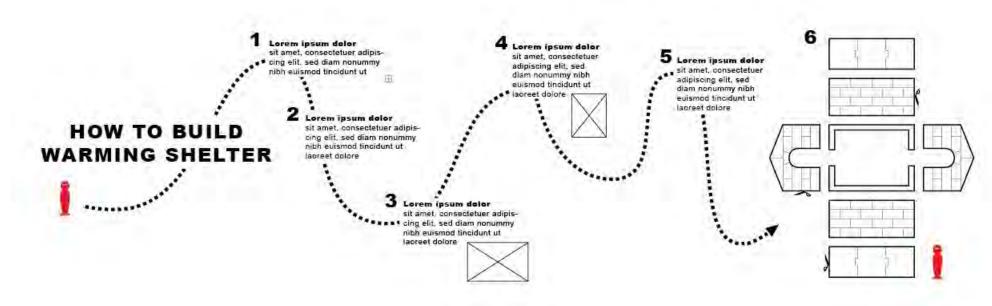
SITE LE CORBUSIER Winnipeg - CANADA 2023

- p2. Design submission sheets
- p4. Team information sheets
- p5. Curriculum Vitae
- p8. Portfolios

Design Submission Sheets



Design Submission Sheets



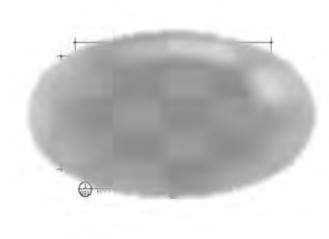
To write on the floor we will use water colored black with charcoal powder. For the letters we will make cilicone molds in which we will pour the colored liquid. Then, on the spot we will slightly dig the surface of the lacquer to put our letters there and add water, so the whole thing will be fixed on the ice

the rectangles with the crosses will be replaced by reference visuals or project sketches. For this, they will be redrawn in ice with colored water.



Warming Egg



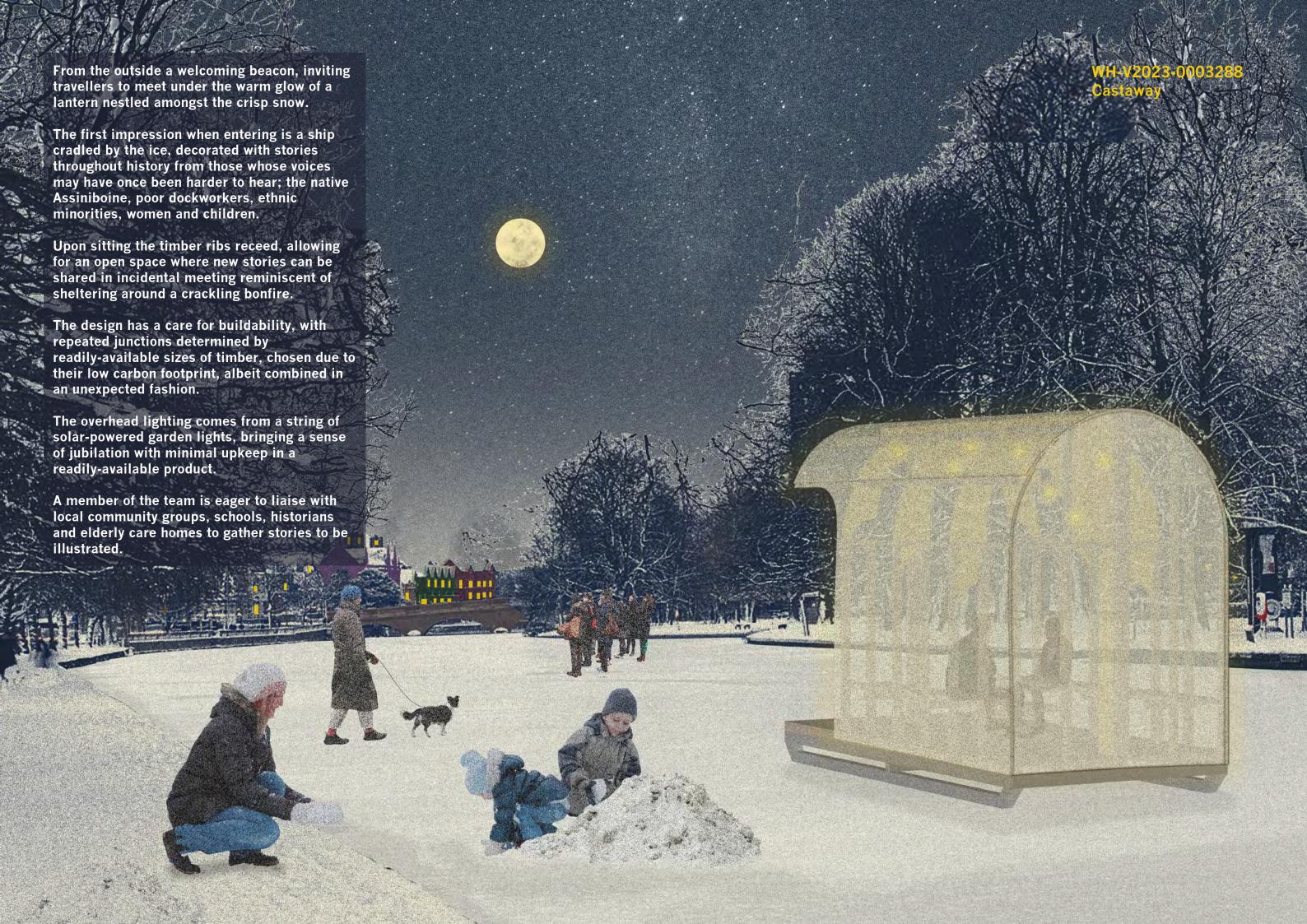


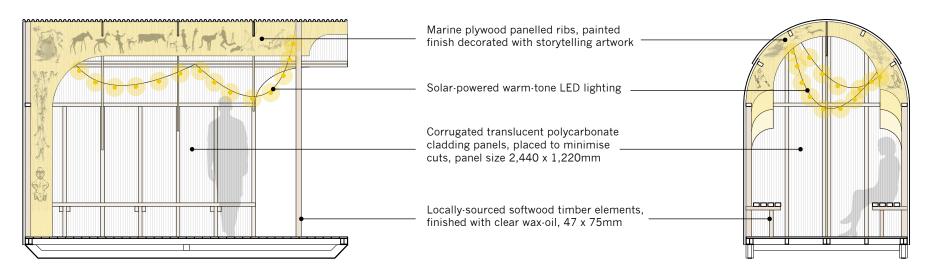




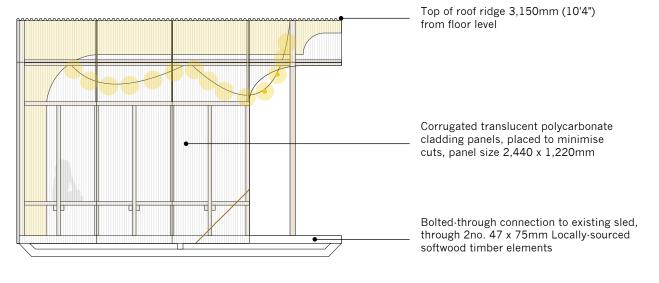
Transparent Recycled plastic with solar foil grid here and there to sustain heating. Front entrances.

Moss flooring.

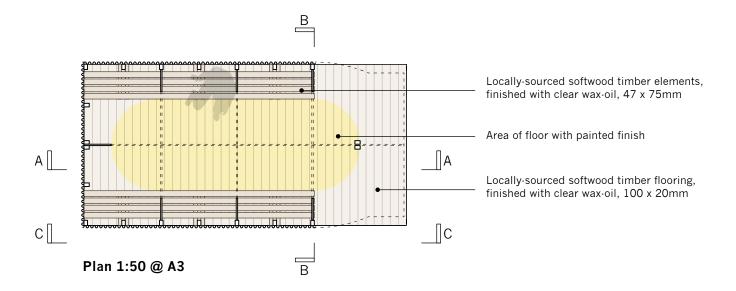


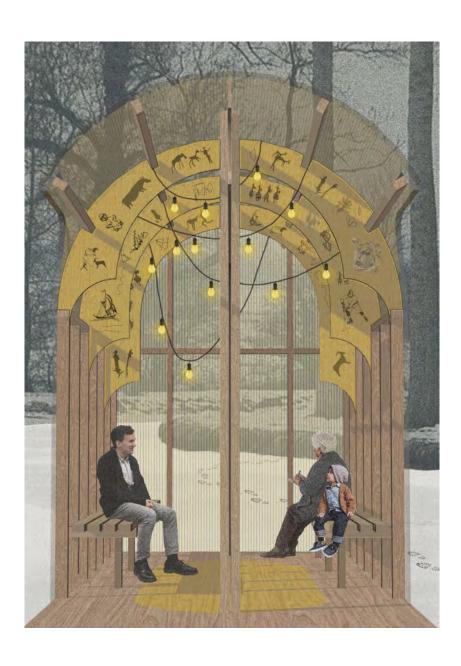


Section AA 1:50 @ A3 Section BB 1:50 @ A3



Section CC 1:50 @ A3

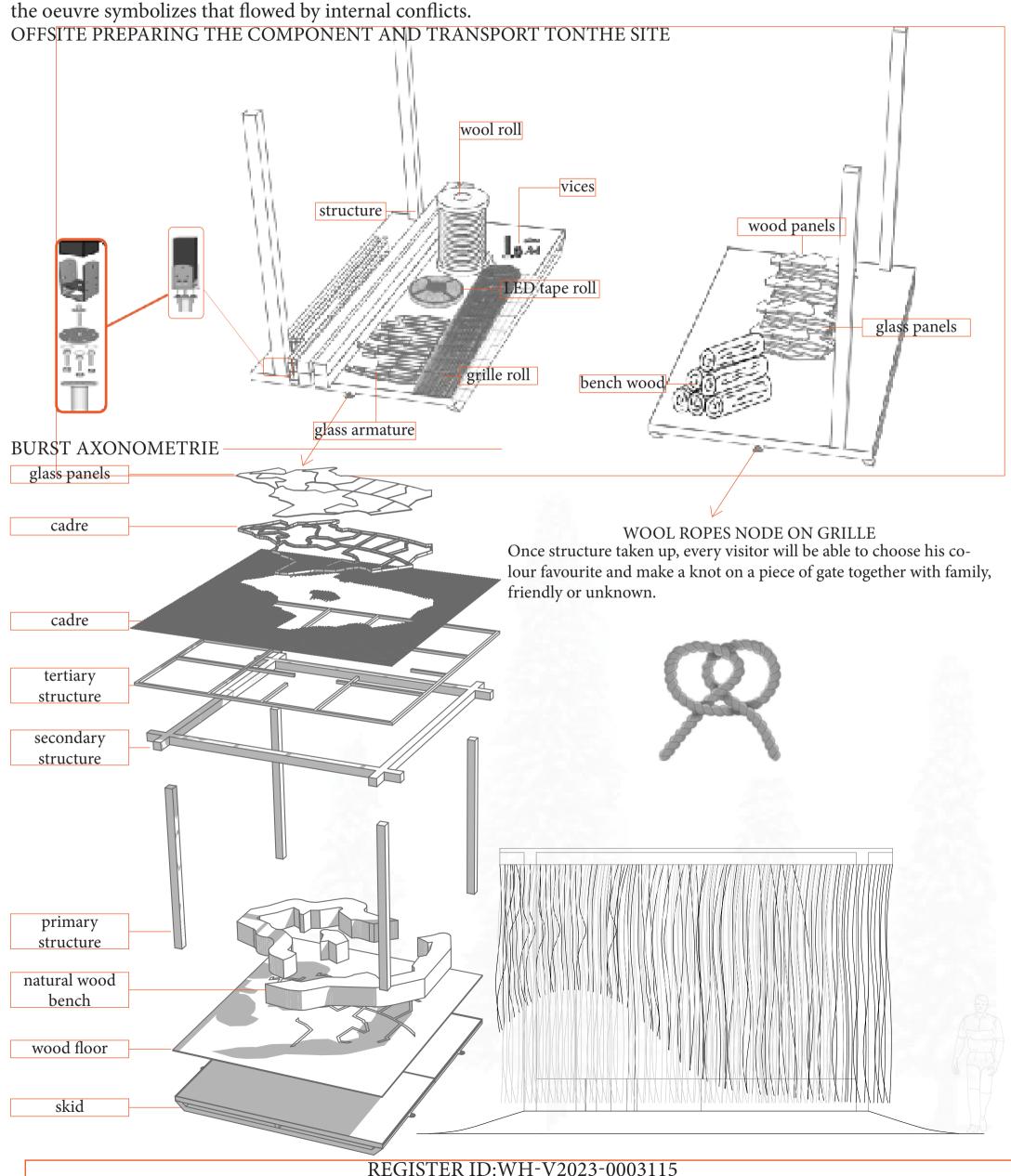




UNIQUENESS OF DIVERSITY

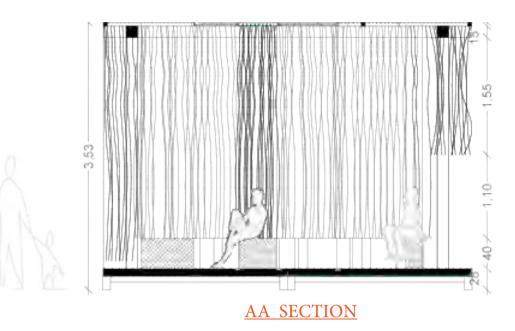
The oeuvre is a compact wool block that creates an interrogation. By going up, it draws a course that disappears so early. Advocating inside the visitor discovers a treasure: Canada by mature creating an isolated, meditative space, bathed in multicolored light representing each region of the country. It is a warmhearted space by materials, colors, naturally irregular form. The heat comes from being together. A bench allows the visitors create instants of informal sharing and intergenerational. The multitude of colors represent the diversity of people visiting the site

The red color is chosen to pay tribute to those whose blood has been sunk or currently flowing for freedom. The red of the structure therefore represents the blood flowing by other nations and the red of the wool ropes at the heart of the oeuvre symbolizes that flowed by internal conflicts.



UNIQUENESS OF DIVERSITY





FRONT VIEW

SCALE :1/50 UNIT :M

Title: The Empty Suitcase. Registration number: WH-V2023-0003283

The pandemic showed us that our society is really FRAGILE. We are all based on someone else support, nobody of us can be alone in this world, in any field. The biggest step for the people now is to realize that is impossible to travel like before. We where used to go on a website, buy the flight ticket and then go. No problem. We where almost used to have always a ready suitcase, ready to go. Now all is different, or at least it looks different. The tourism is one of the field where the biggest changes happened.

For this concept, I would like to create an Empty Suitcase. This suitcase is representing the locked situation we are living now, and aswell all the dreams of exotic travels we have. The suitcase is big, to let people enter in it, but is also representing the wish we have to take we us as much as possible. This also has to change, in order to start a new and sustainable way of travelling.

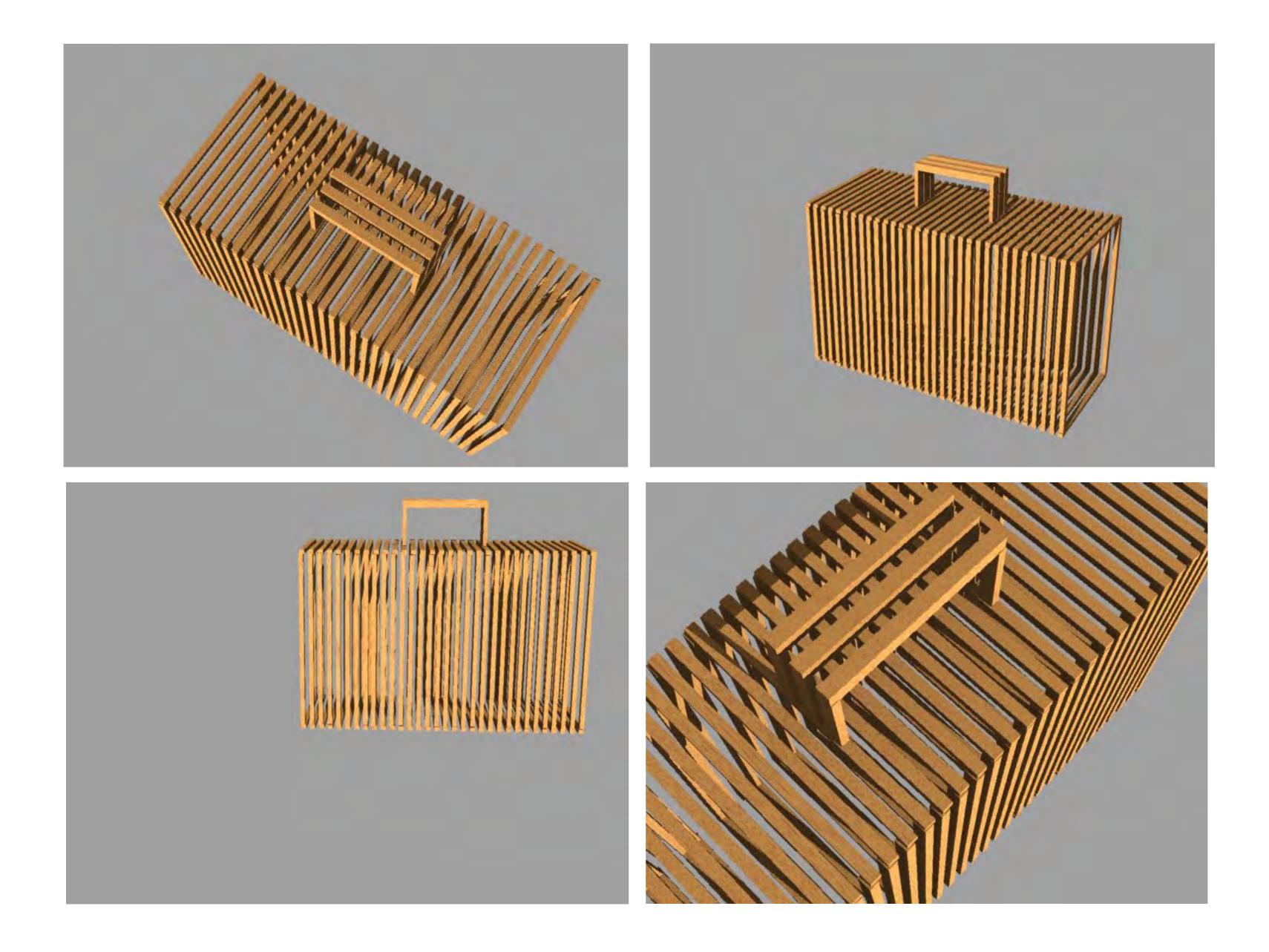
But an empty suitcase is at the same time a hope, a wish for the next step. We all like to restart to discover the World and fill up our eyes with new pictures and views.



1

DIMENSIONS: Length 4 mt. Width 2 mt. High 2,5 mt.

MATERIAL: Oak Wood



COME, HAVE TEA & SNACKS

Warming Huts: An Art + Architecture Competition On Ice _ Winnipeg, Manitoba

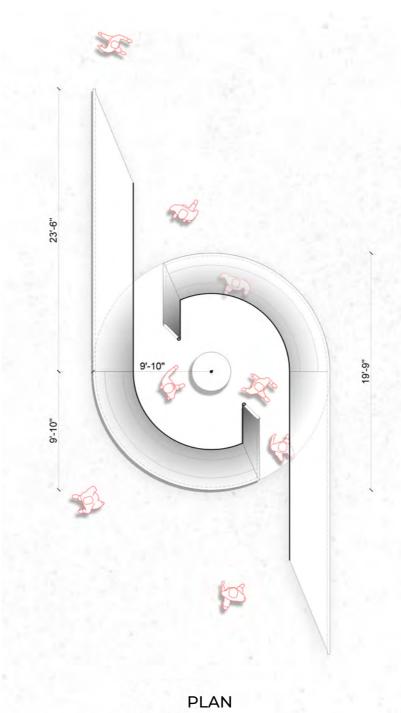




To us, Warming Huts' brief sounded like an invite to a winter party on a frozen river, and we said yes and decided to take part in the preparation. We took notes from the invite (brief) and arrived at our version of that hut come installation for this year's winter in Winnipeg, Manitoba, providing shelter, closure, surprise, and some snacks or tea to the visiting guests.

Our make is simple: we took inspiration from kids' paper toys of red, yellow, blue, and green trick games and simplified it into a simple tent-like structure that provides shelter only if two parts of it come together just like the rivers being bridges in the winters for the crossovers.

Our version is made of two identical Stainless Steel pipes placed in a ying-yang manner allowing people



from different sides to come in and exit. Lined with a translucent ETFE Membrane, which ensures warmth inside, while being the shiny, colourful, vivid existence in the winter world of white. The membrane could be replaced according to different events, open to artist collaboration or advertisement possibilities. The tent is topped with a wind spoon which helps with energy generation meanwhile balancing the snack table beneath, allowing the visitor to enjoy closure and a moment of knowing each other in the snowscape.



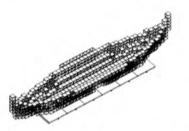
ALL IN THE SAME BOAT

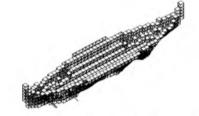
The idea is to create a see-through architecture, which connects public to the site, blurring boundaries between interior and exterior.

A form that seeks to raise awareness of climate change through pixelated rendition of a boat. To convey that we are all in the same situation together. The natural and man-made fuse as the snow covers the structure. In a time to come covering it completely, emphasizing the issue of time in this process. Climate change and its consequences are no longer a matter of perspective or opinion and we must act now.

The structure is generated through a 3d grid of metal modules which morphs into a form of boat. it is broken in the middle to allow people to access inside and around it for different uses. To sit, walk on top, have a conversation.

The boat is open to be interpreted as an artistic sculpture, or a philosophical symbol of life. People can also see it as a memorial meant to bring people together to think about their environment and to protect it.

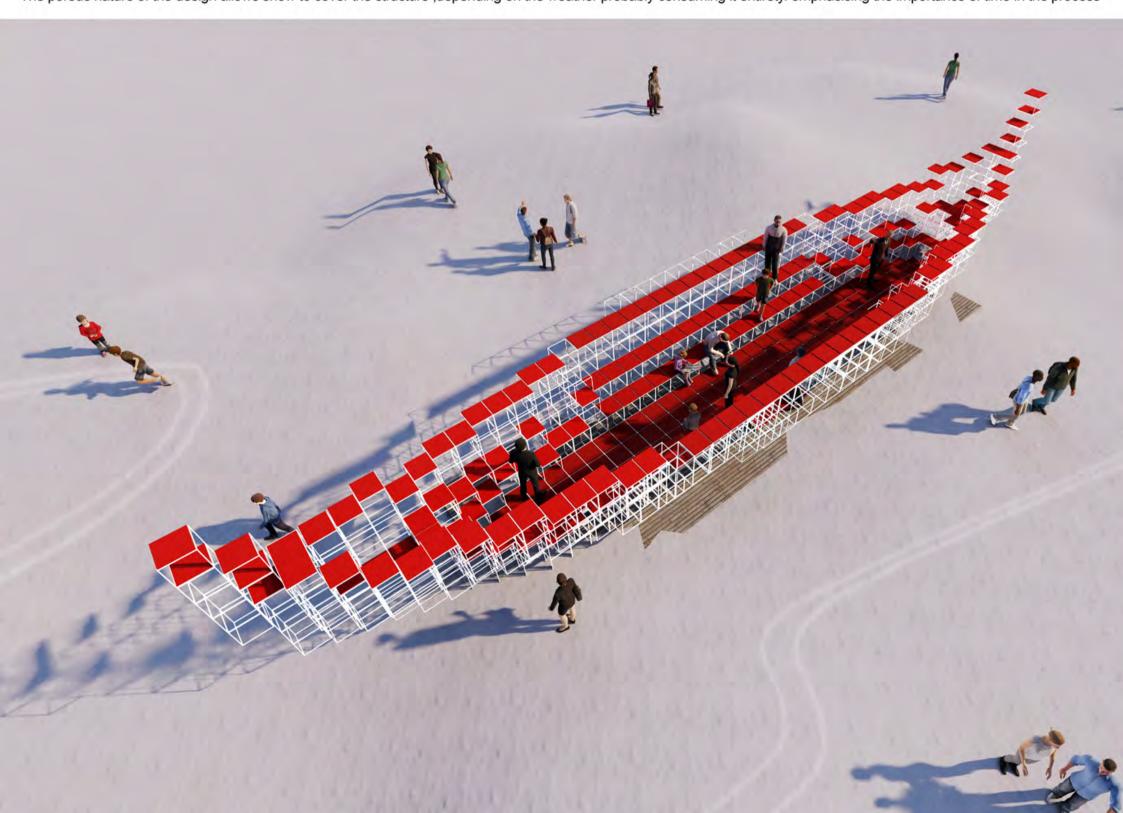


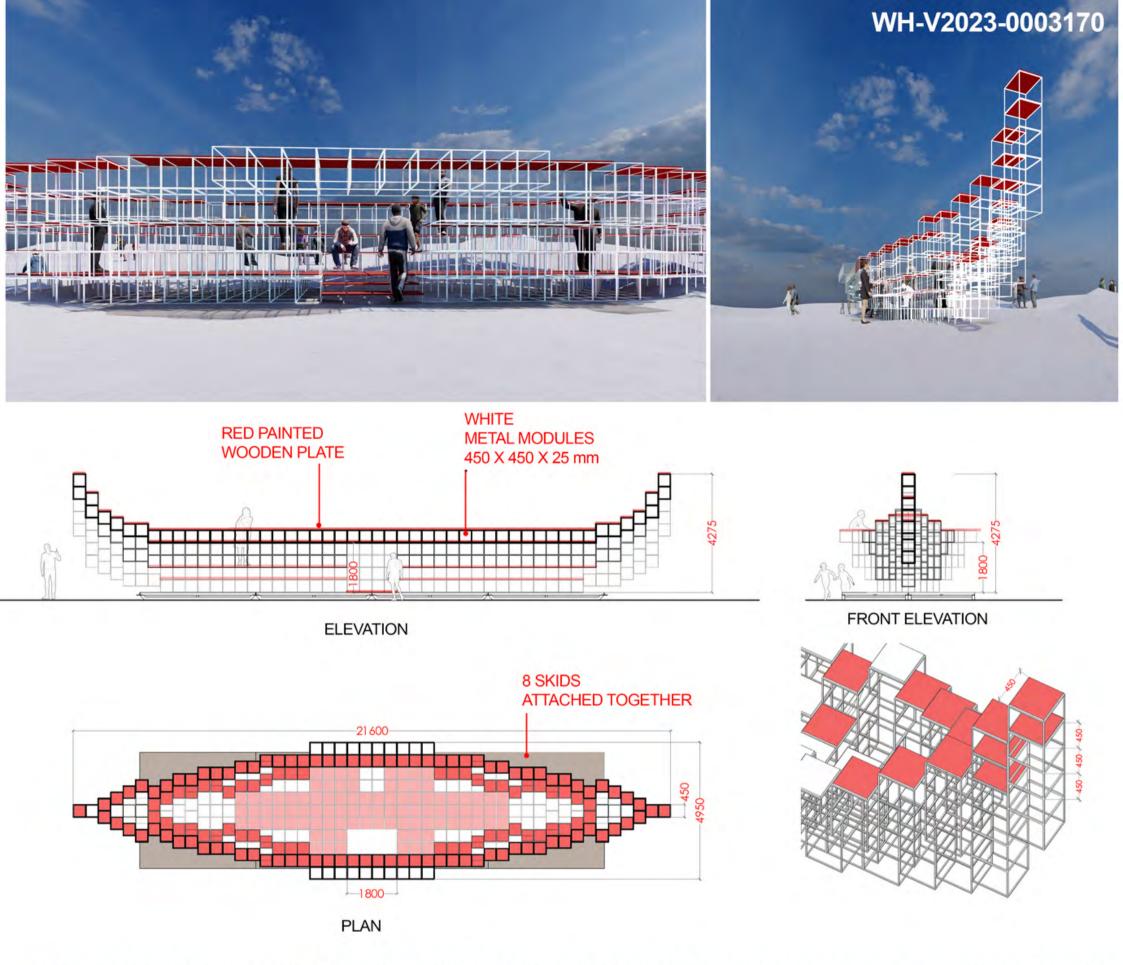






The porous nature of the design allows snow to cover the structure ,depending on the weather probably consuming it entirety. emphasising the importance of time in the process





Considering the symetrical nature, The whole structure can be done in 8 modules, placed on the skids and joined together on site.



Daydream

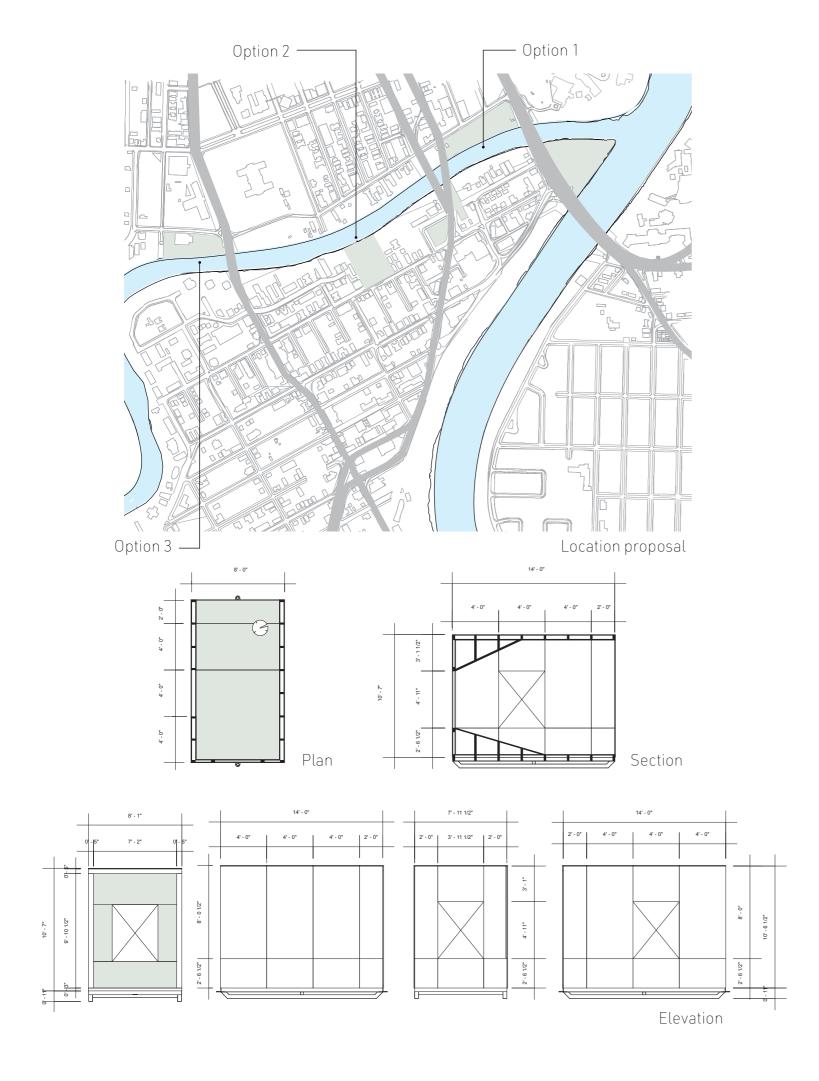
Daydream on Ice The Daydream is fancy warming hut on the frozen Assiniboine river designed for Winnipeg. The pavilion is made of two distinct materials: the white painted wooden wall and the

artificial nature - grass and flower.
Therefore, the green from the artificial grass stands out from the white of the landscape. The contrast of the color and material strongly defines both hut and

landscape and invites you to a different world in one place.

The flexibility of this small hut allows you to sit on a stump stool or lay down on the lawn. Two windows work as picture

frames that cut the beautiful snowscape from the inside and show the mysterious green from the frozen river.
This warming hut brings a daydream of Spring to the visitors on ice.





EVOLVER

The Evolver is an environmental installation created as largescale flying balloon form.

Evolver uses the features of natural design processes and relies on dynamic

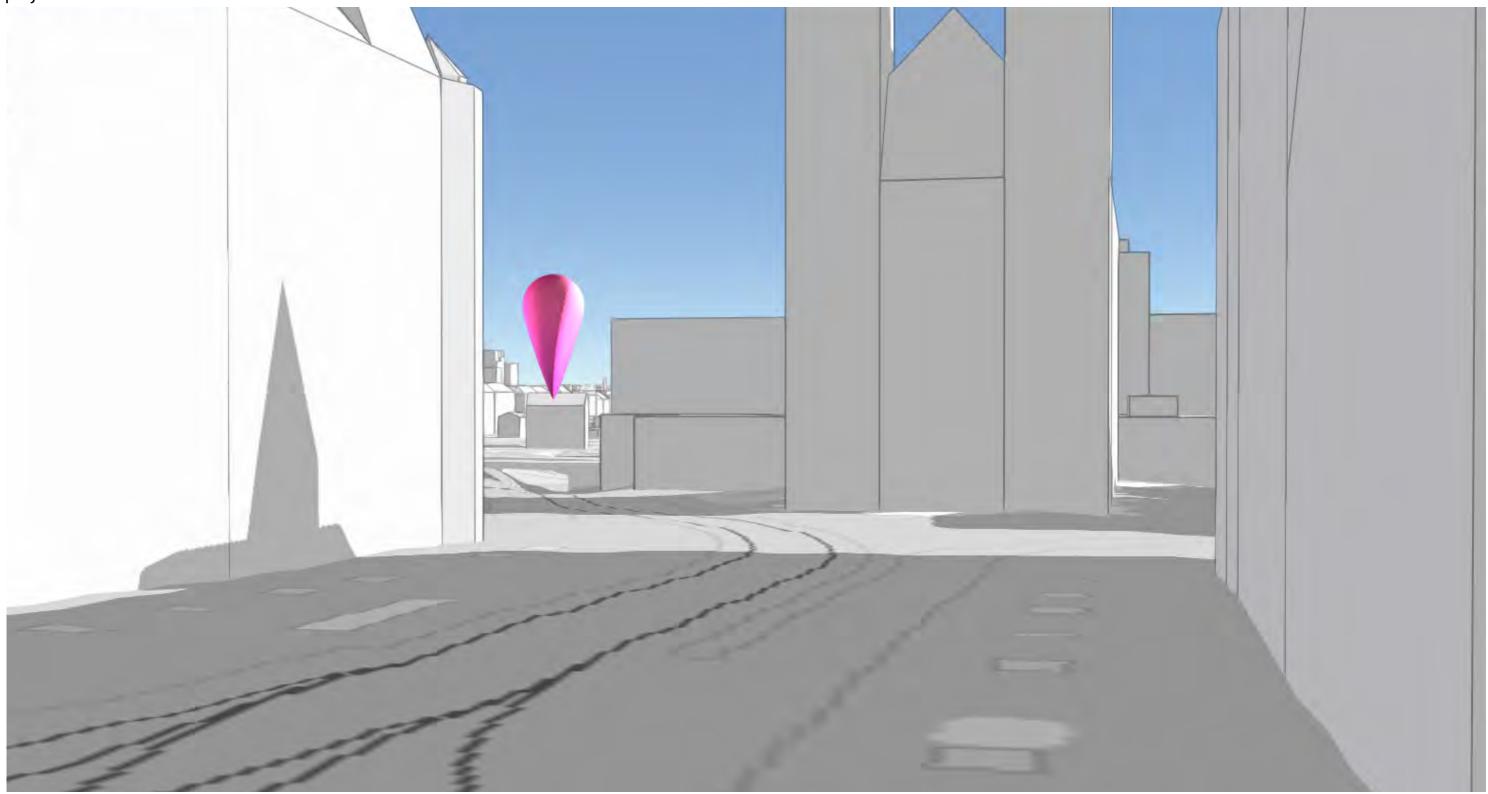
adaptation to environmental changes. The project uses physical and virtual processes that are transformed and assembled into structures based on environmental properties and capabilities. The project investigates a living dynamic system as a complex set of natural and cultural sub-processes in which each of the

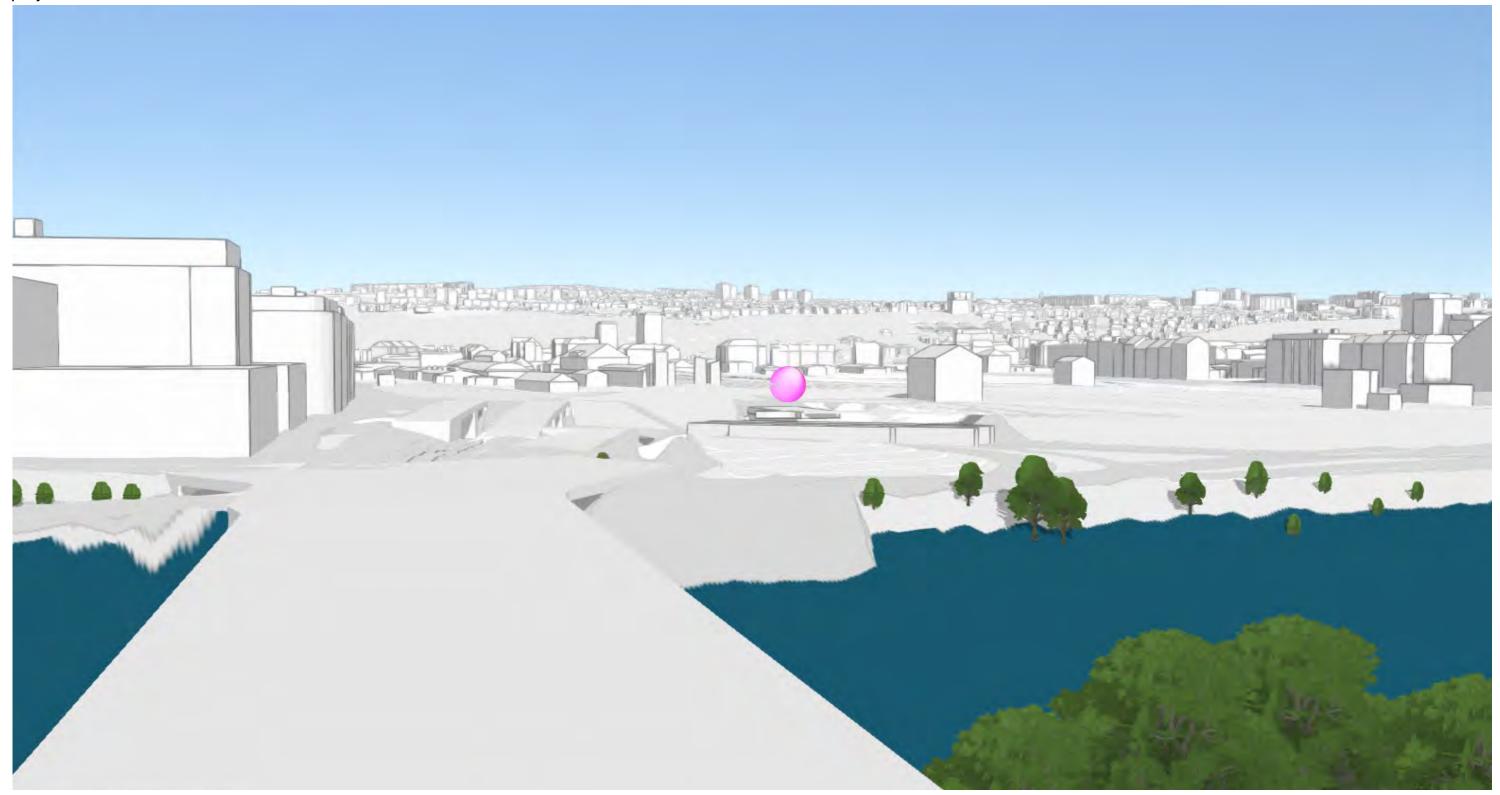
interacting entities and systems creates complex aggregates.

The analogies of evolving architecture should be understood not only in terms of the applied natural processes of development of forms, but also in the restless tendencies towards optimisation that significantly improve the efficiency and power of diverse prototyping. Architecture is designing for survival, designing for life, and emphasises the need for a responsible approach to the transformation and formation of energy and materials.

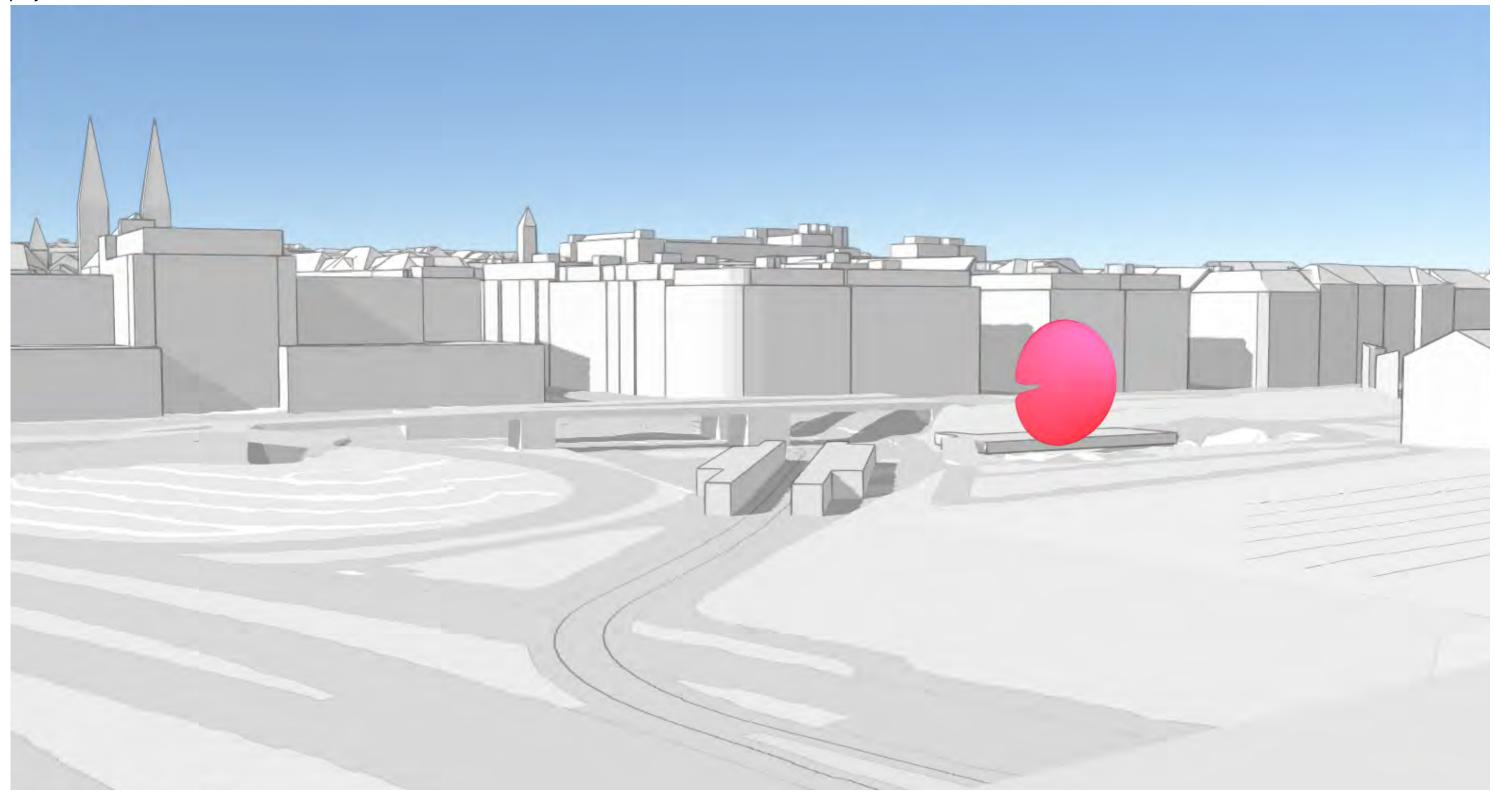
Please see visualisation below. However the ballon will be created based on natural

form and feature from environment. Colour of form and shines of material interplay with environment.

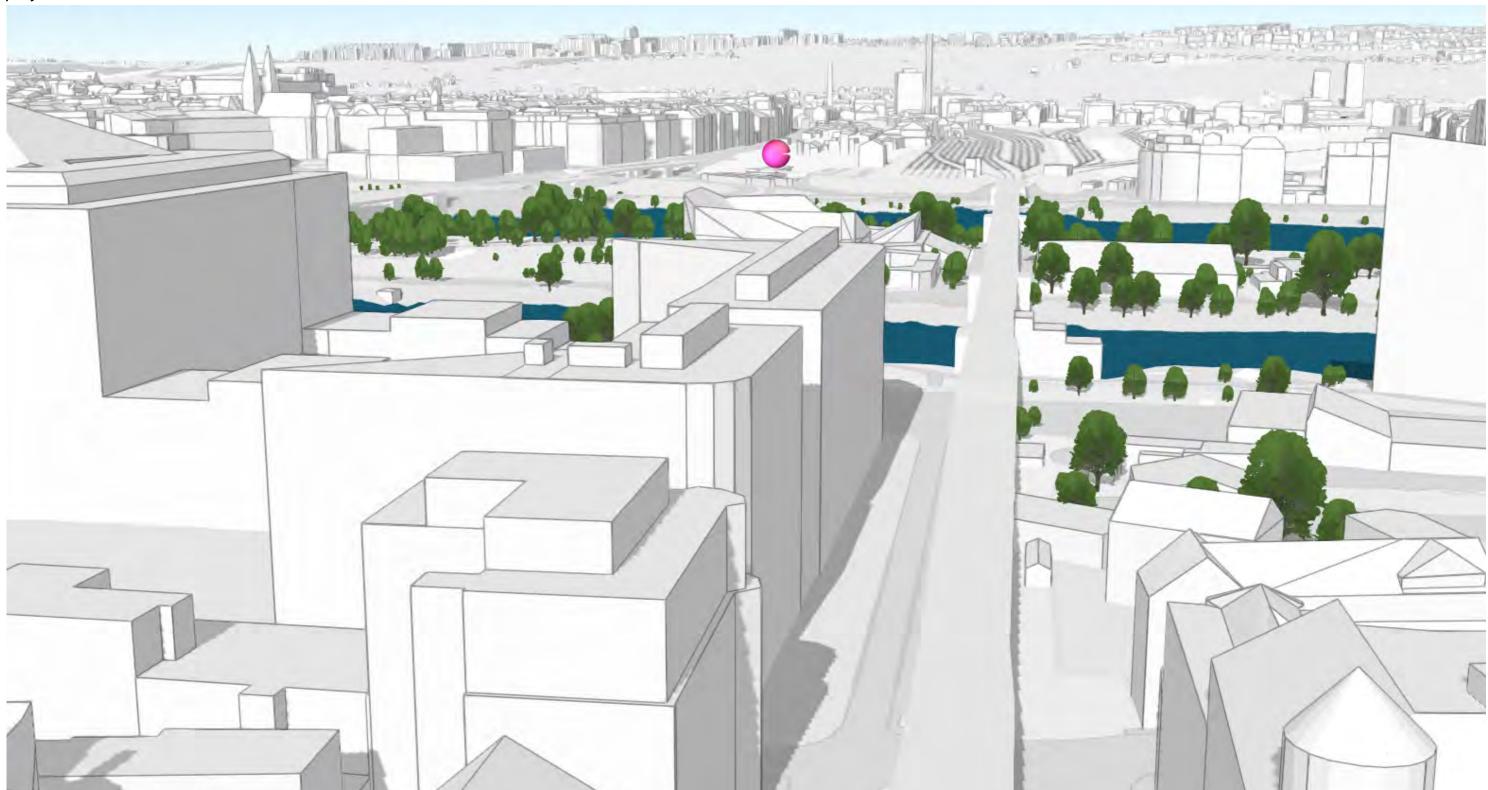




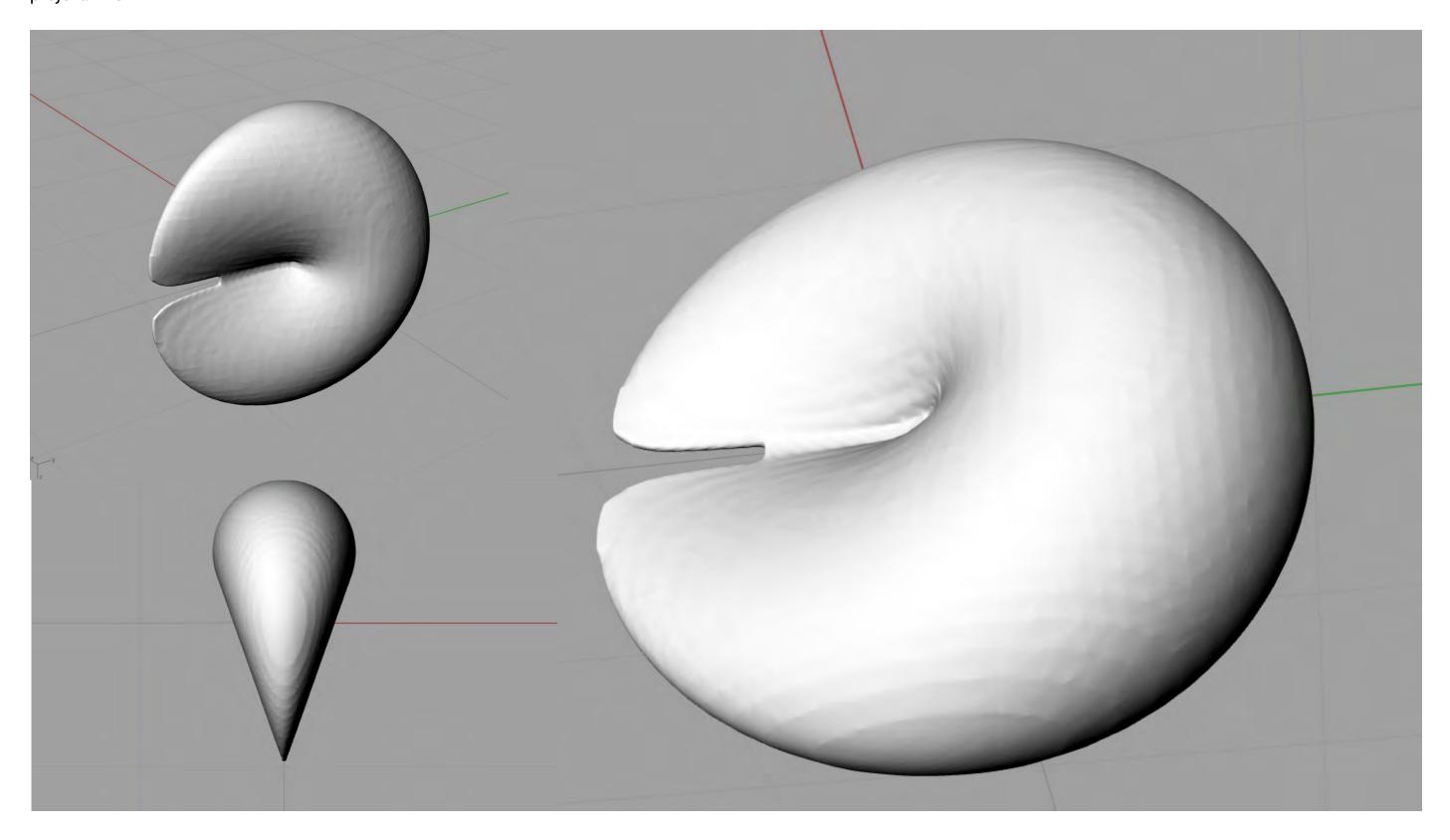
SKICA INSTALACE VLTAVSKÁ - VIZUALIZACE 4



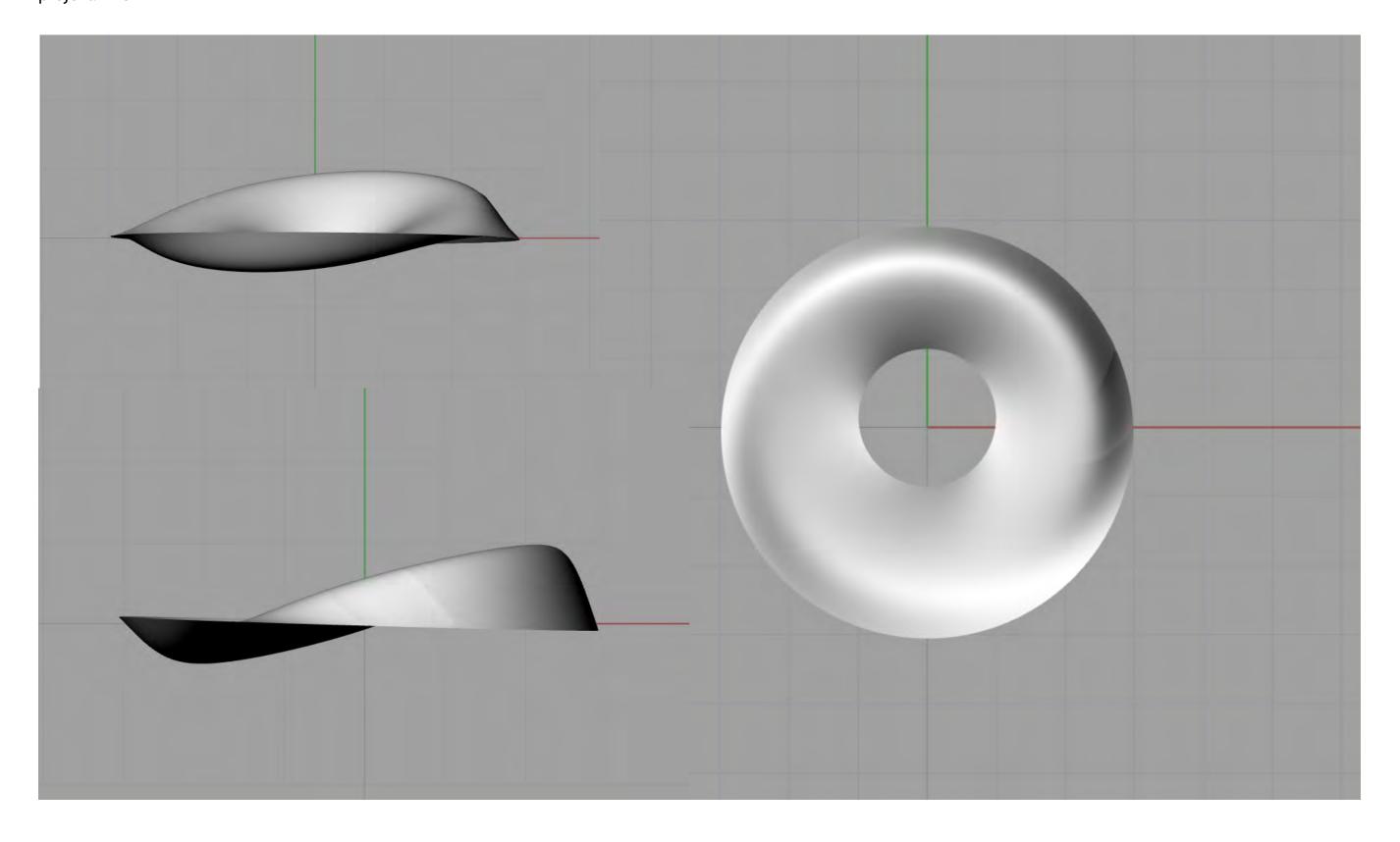
SKICA INSTALACE VLTAVSKÁ - VIZUALIZACE 2



SKICA INSTALACE VLTAVSKÁ - OBJEKT varianta 1 - realizováno jako levitující nafukovací banner šitý podle návrhu- bílá + nasvícení reflektory projekt: EVOLVER



SKICA INSTALACE VLTAVSKÁ - OBJEKT varianta 2 - realizováno jako ukotvený nafukovací banner šitý podle návrhu- bílá + nasvícení reflektory projekt: EVOLVER





The 'I - Glo 'warming huts are based on the idea of a shelter by exploring its different forms and uses. Igloos are considered to be traditional forms of a domed shaped shelter in northern regions. The concept behind the construction of an igloo through the use of materials available in nature is what inspired the design. In this way, the proposal of our warming hut explores an alternative type of igloo that combines a variety of spaces for shelter and interaction. More specifically, the proposal consists of two warming huts that vary in form and function. These two huts form an external semi open space, providing therefore an external type of shelter (A shelter within the shelter). The idea lies on the creation of various shelters that vary in scale, accessibility and colour. The use of coloured nylon on the interior space of the huts, contrasts the colour of the ice and transfers visually and metaphorically the user to a warm shelter. Water will be sprayed on top of the nylon fabric to provide a natural insulating material. The sustainability of the project is characterised by the use of snow and ice as natural materials while nylon can be reused in future projects on different seasons.



Coloured nylon interior



Tunnel experience





Igloo Shaped shelter





Establishing a central exterior shelter



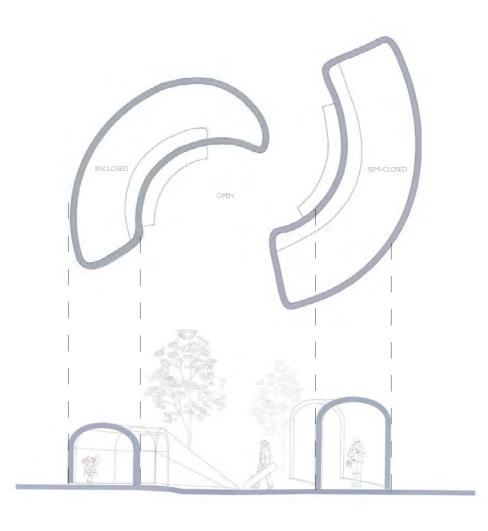
Percpective drawing, "I-Glo" in its entirety



'I - Glo' light effects and contrast with the snow during night

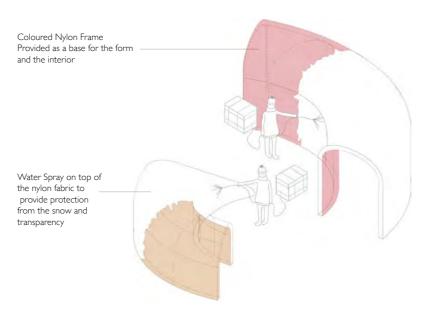


Internal Render depicting the Interaction with the ice skaters



Plan and Section to scale.

The two warming huts will provide different uses according to their form and accessibility. The enclosed space acts as a shelter, whereas the semi-closed one allows interaction with the iceskaters. The open central space that is formed provides an open shelter where people can sit and kids can play.



Isometric Drawing, depicting the technical process (spraying with water the nylon layer). Nylon shelters can also be used as shelters during spring and summer next to the river.

ICE BOAT



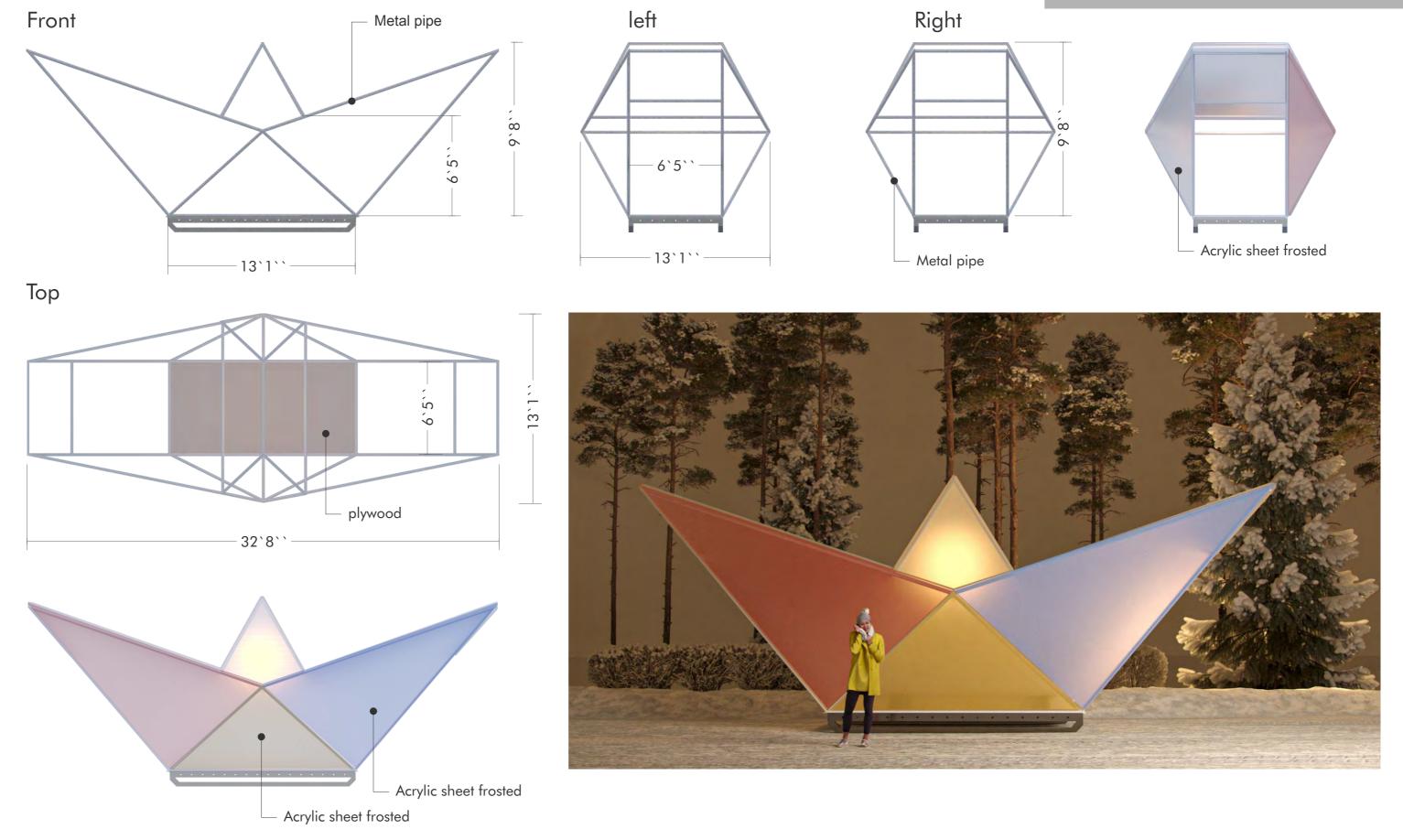




Ice boat as a refuge and meeting place. Since childhood, we have all made paper boats. With them we have memories, fantasies and a path. This project invites you to mentally immerse yourself in childhood and finally visit the boat from the inside while the rivers (Symbolizing the passage of time) are frozen. An ice boat will complement the landscape and will serve as a point of attraction in the overall winter environment.

The layout is made on the basis of a metal frame sheathed with matte acrylic sheets. The sheets are painted in various colors. You can get inside the boat from two sides. Wooden benches can be placed inside.

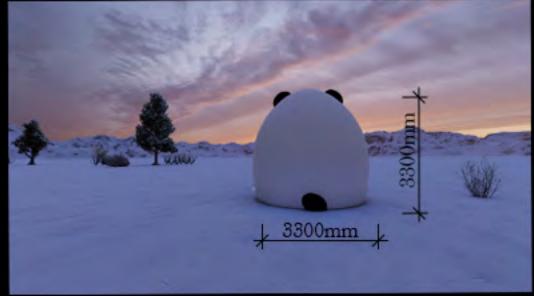
WH-V2023-0003274





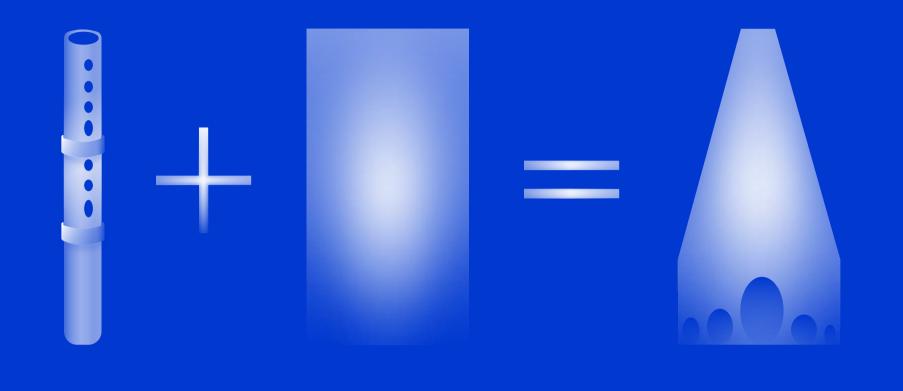








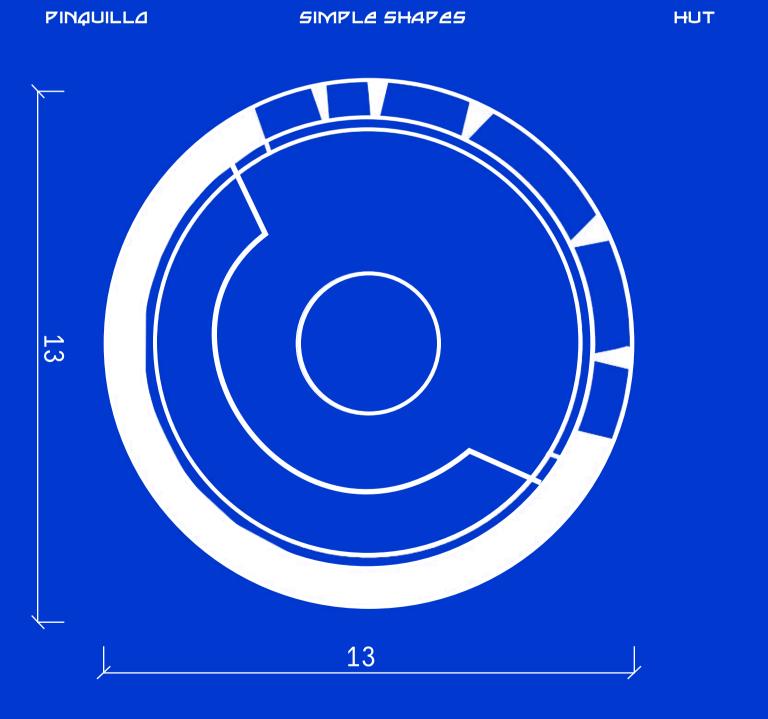
PIGULLA HUT REGISTRATION ID: WH-V2023-0003219

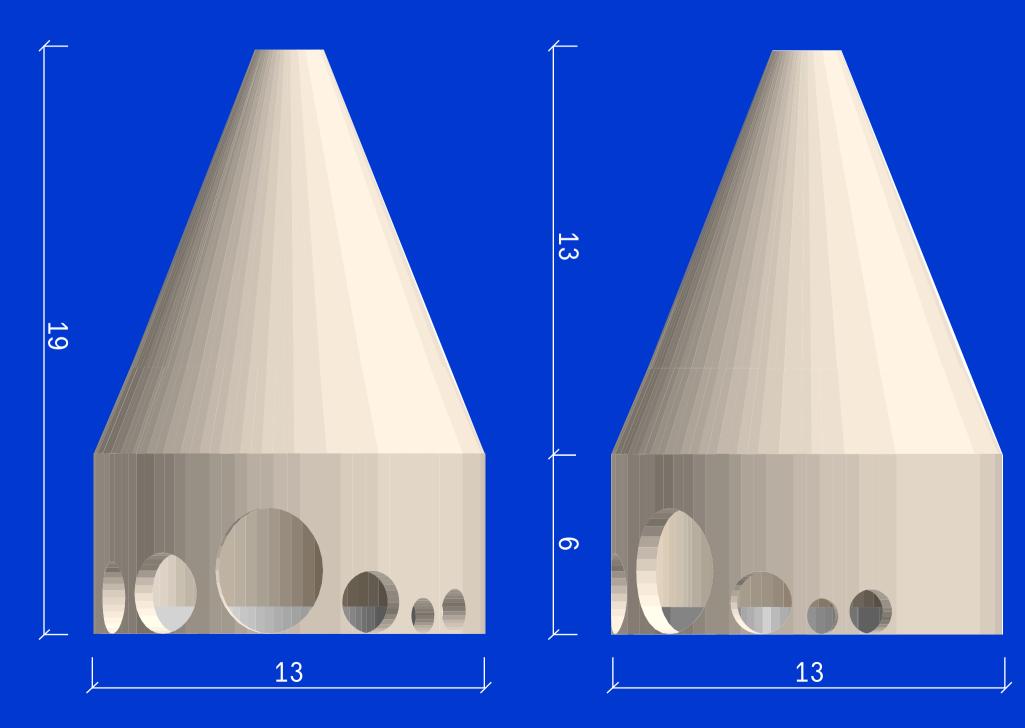


THE IDEA FOR THE HEATED HUT CAME FROM CANADA'S NATIONAL MUSICAL INSTRUMENT, THE PINKILLO. THE FORM IS EXTENDED TOWARDS THE BOTTOM, AND THE ENTRANCES TO IT RESEMBLE THE VALVES IN A PINQUILLO.

IN ORDER TO SAVE HEAT IN THE BUILDING, ENTRANCES OF DIFFERENT SIZES WERE USED.

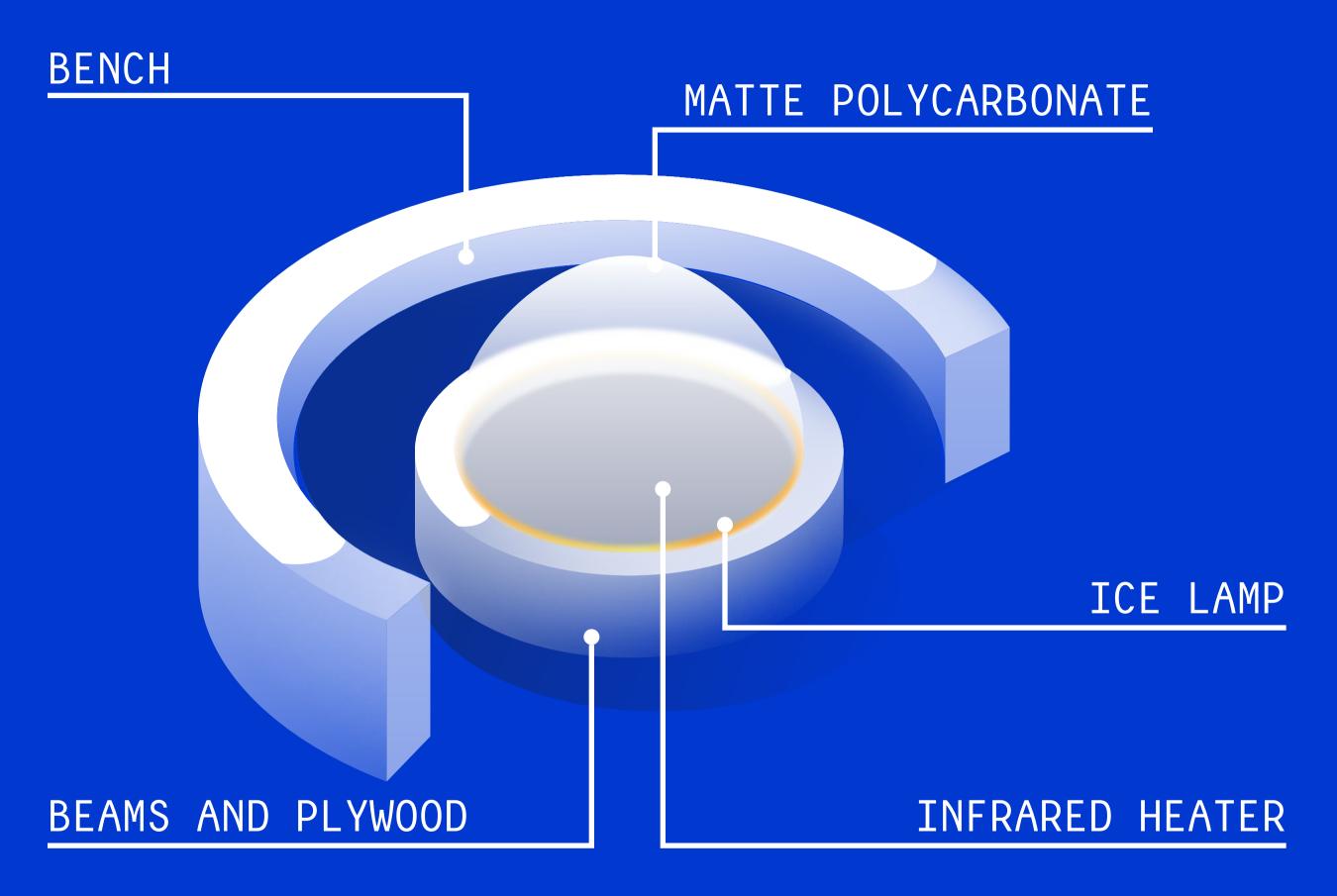
INSIDE THE STRUCTURE, THERE ARE SEATS ALONG THE PERIMETER, AND IN THE MIDDLE THERE IS A HEATED BALL RESEMBLING A SNOWBALL.







REGISTRATION ID: WH-V2023-0003219





THE STRUCTURE CONSISTS OF BEAMS COVERED WITH PLYWOOD INSIDE AND OUT. OUTSIDE, ADDITIONAL CANADIAN WOOD BOOZE WAS USED.

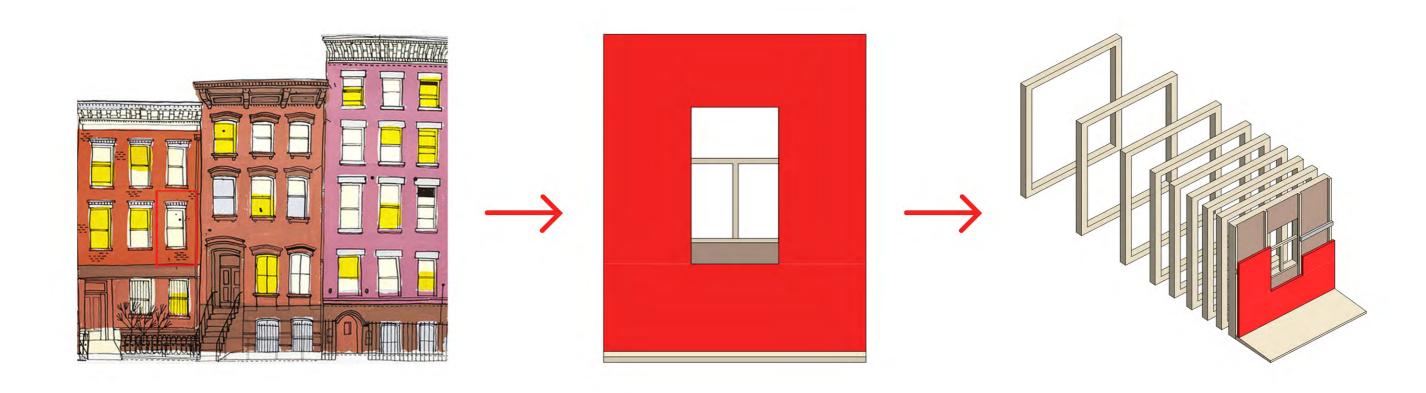
SEATS INSIDE THE TIMBER BUILDING COVERED WITH PLYWOOD

THE DETECTION OF A HEATED BALL IS MADE OF PLYWOOD-COVERED BEAMS, THE DOME OF WHICH IS A SNOWBALL, CONSISTING OF MATTE POLYCARBONATE, AN INVISIBLE HEATER LIES INSIDE THE BALL. LAMP ICE IS INSTALLED ALONG THE DIAMETER TO GIVE THE RESULT.

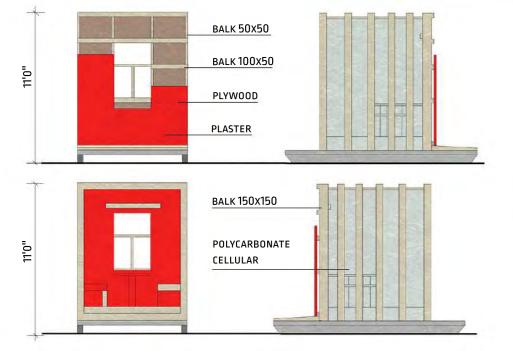


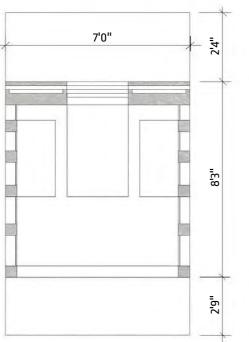
PHENOMENON

The project is a bright fragment of the wall of a cozy house that magically materializes in the middle of a snow-covered path in front of a traveler. If you look at the wall from the side, you can see that as you move away from the facade wall, the internal partitions increase their step and disappear into space, attracting the attention of the traveler. Having bypassed the object, a part of the room becomes visible, the furniture in which has also not yet fully materialized and has not found its bright real colors. Despite all the oddities of the appearance of this phenomenon, part of the room of the building will be able to perfectly warm and protect from cold and wind. Who knows, maybe in the future there will be a full-fledged warm building?





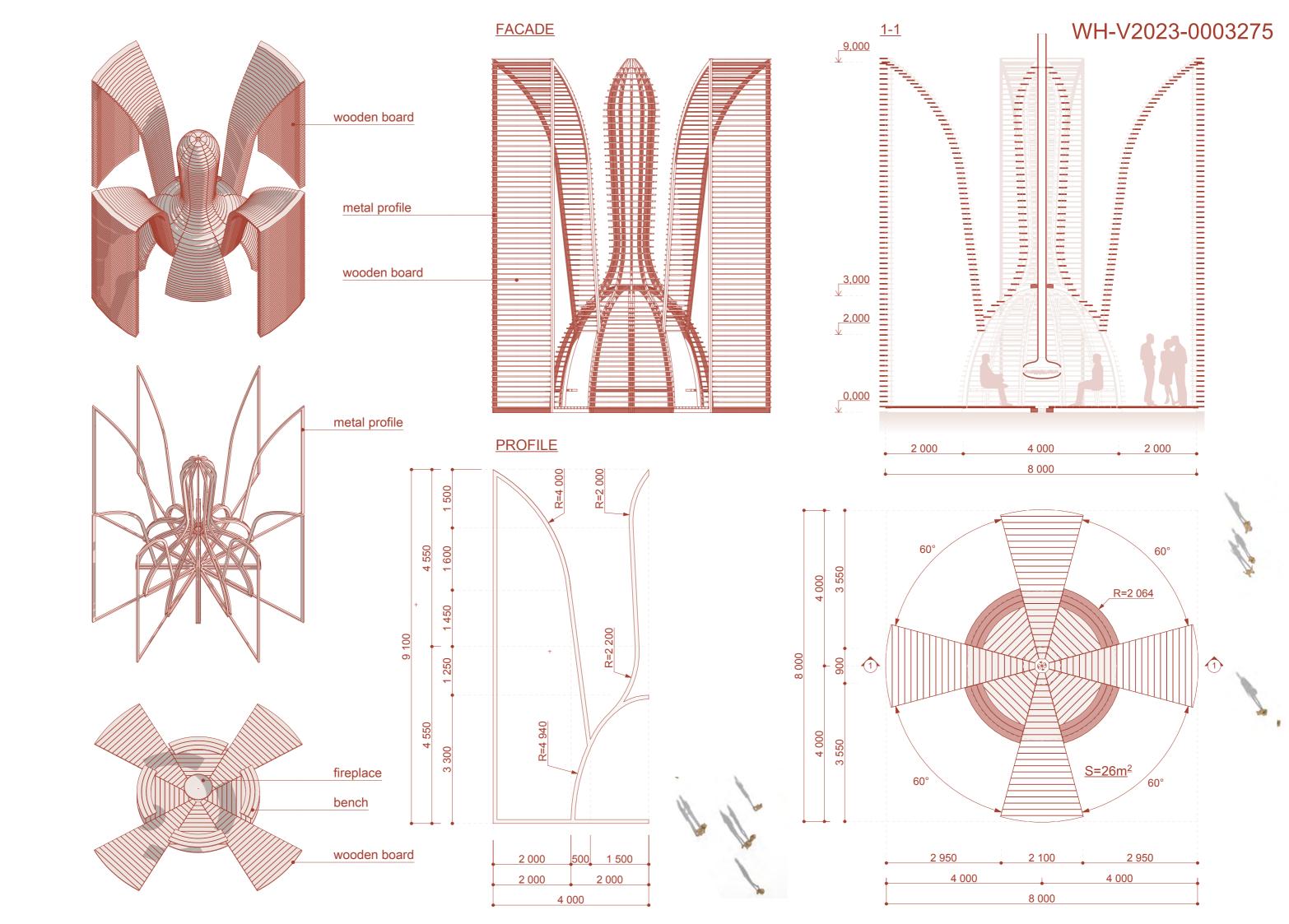




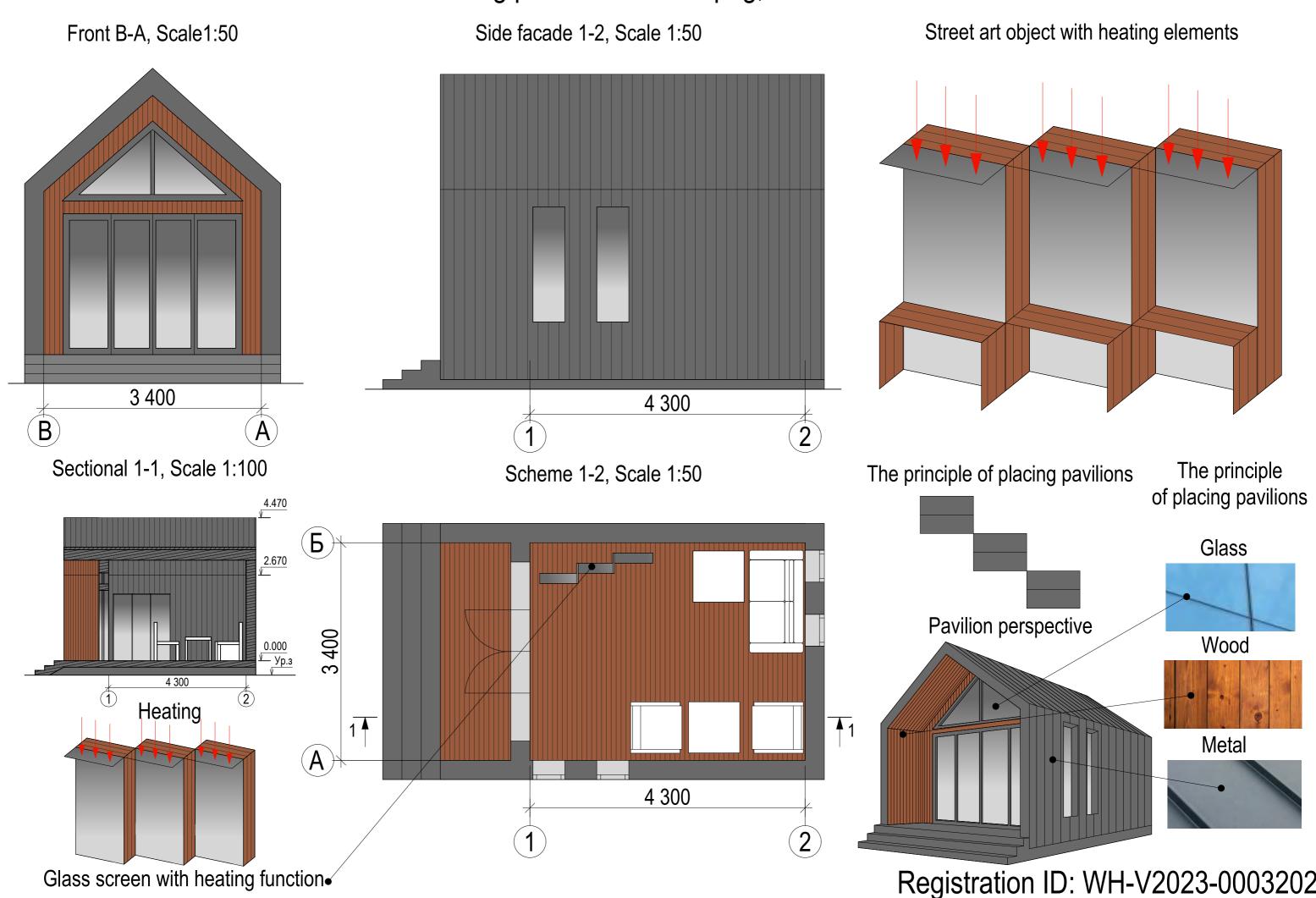








Heating pavilions in Winnipeg, Manitoba



Heating pavilions in Winnipeg, Manitoba

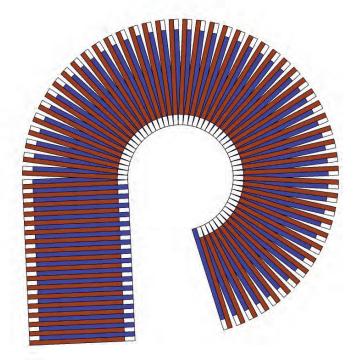
The pavilions in Winnipeg, Manitoba, were decided to be made in the form of wooden houses. Materials that were used in the project: wood, metal, glass. The project chose to use a rectangular shape in the plan as a basis, three rectangles in a row. The pavilion itself is not large 4300*3400 meters. It is supposed to have a recreation area after active recreation or walking in the park, and you can also bask in a cozy atmosphere. In front of the pavilion, it is proposed to make a glass art object with three benches flowing from one to another, glass above the benches as a sheltering element from precipitation, and also has a heating function. The flow of the shapes of their one object into another was the main idea of this project. The pavilions should also stand one after the other, this is planned in the project. In the same style, it is proposed to make a portable glass screen-heater inside the pavilion, the upper glass is also a heating element. The advantage of this device is that it is portable, transparent, which does not weigh down the small space of the pavilion.

WH-V2023-0003298 - Xabana

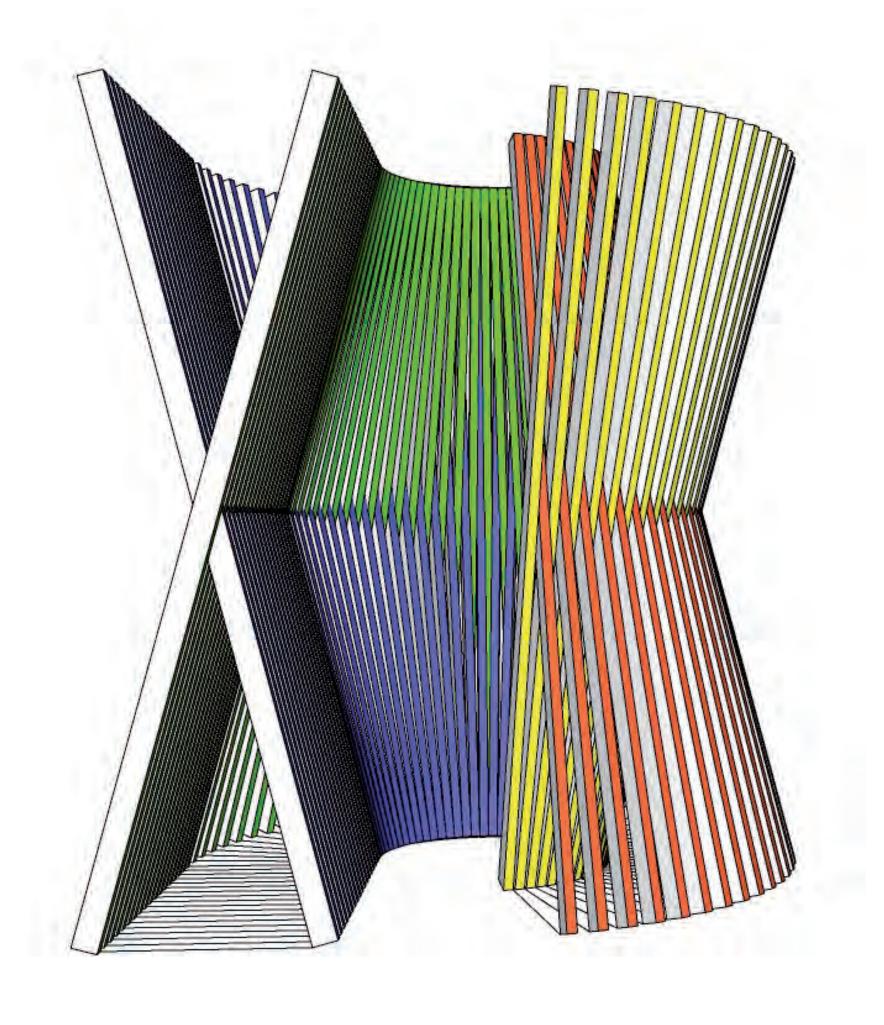
"Xabana" proposes an inhabitable sculptural environment that acts both as a colorful marker and as a negotiated shelter and enclosure. Constructed out of 4x8 construction lumber, the proposed structure is to be understood as a constructive system that allows for the suggestion of a continuation rather than a fixed formal proposition, albeit with a formal presence in its own right.

The structure will be constructed out of approximately 140 pieces of 2x4 x 10' construction lumber. The constructive system is such that two pieces of lumber form an X and the subsequent Xs are attached to each other on the upper and lower part of the X, in essence creating a curved structure that will stabilize itself through its geometric form, enclosing a pocket of space. At the straight section of the sculpture tension cables connect the lower part of the opposing members. The thinner sides of the 2x4s will be painted in 4 distinct colors which in concert with the structural form create a color Moiré effect. The upper V-shaped cavity may fill up with snow over time, which will be desirable.

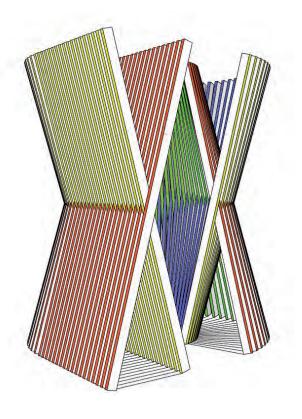
size: ~ 8' x 8' x 9' 8" (W x D x H)



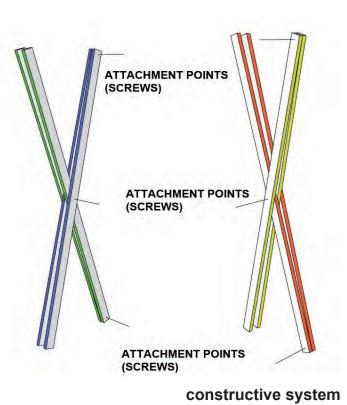
plan view

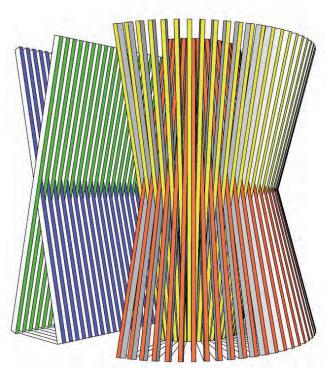


WH-V2023-0003298 - **X**abana

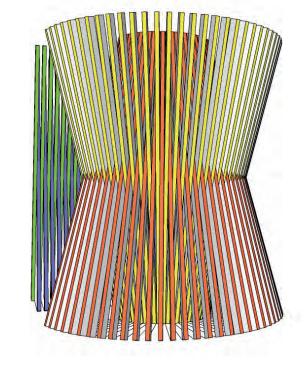


circumnavigating the structure: view 1

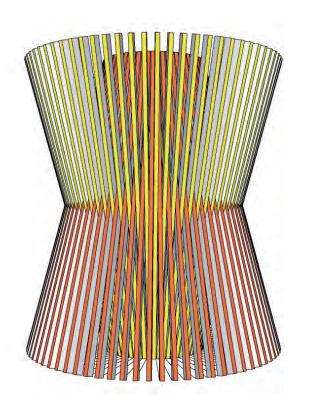




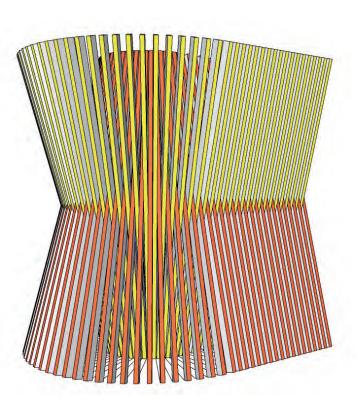








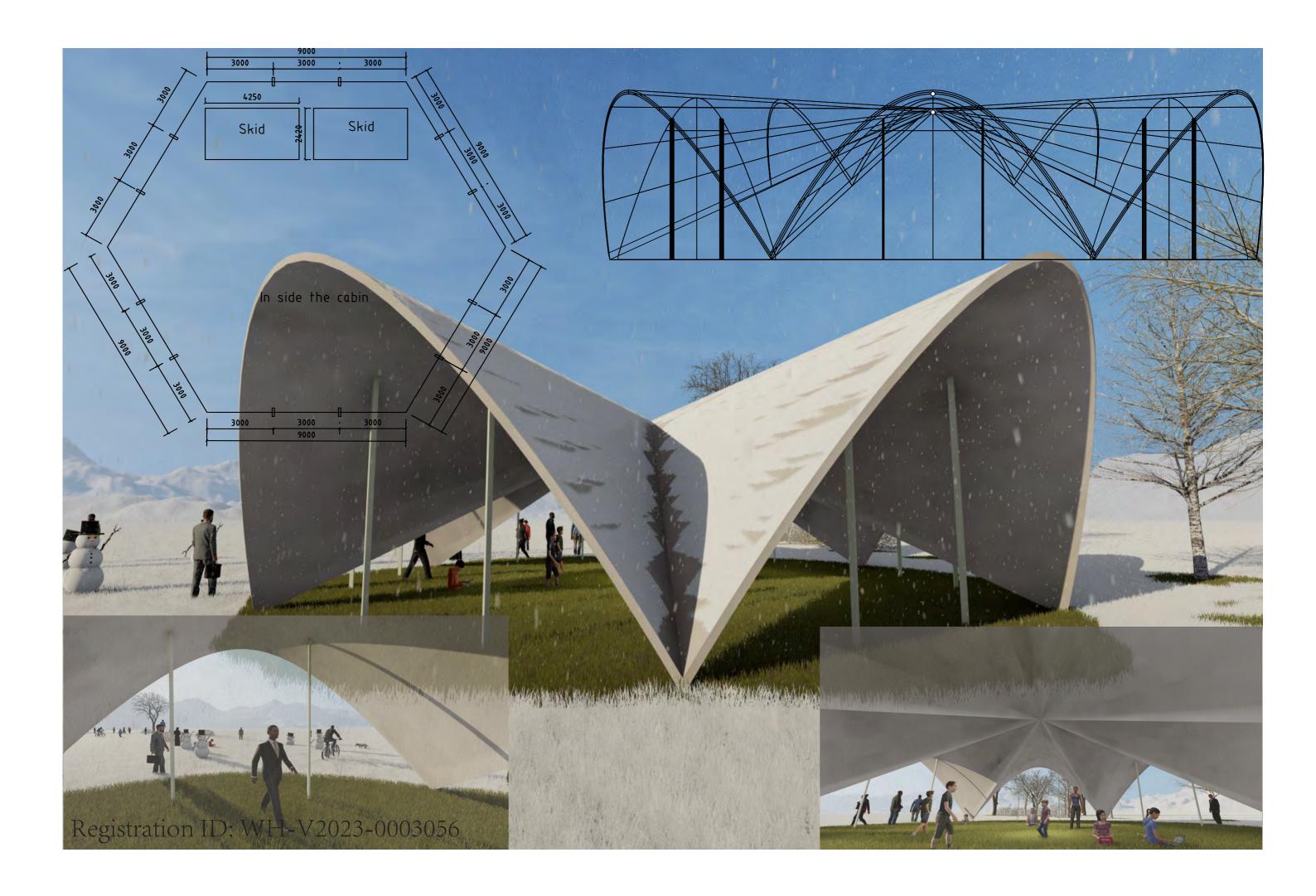




view 5

view 3







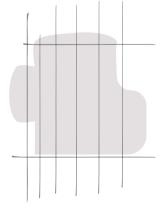








elevations

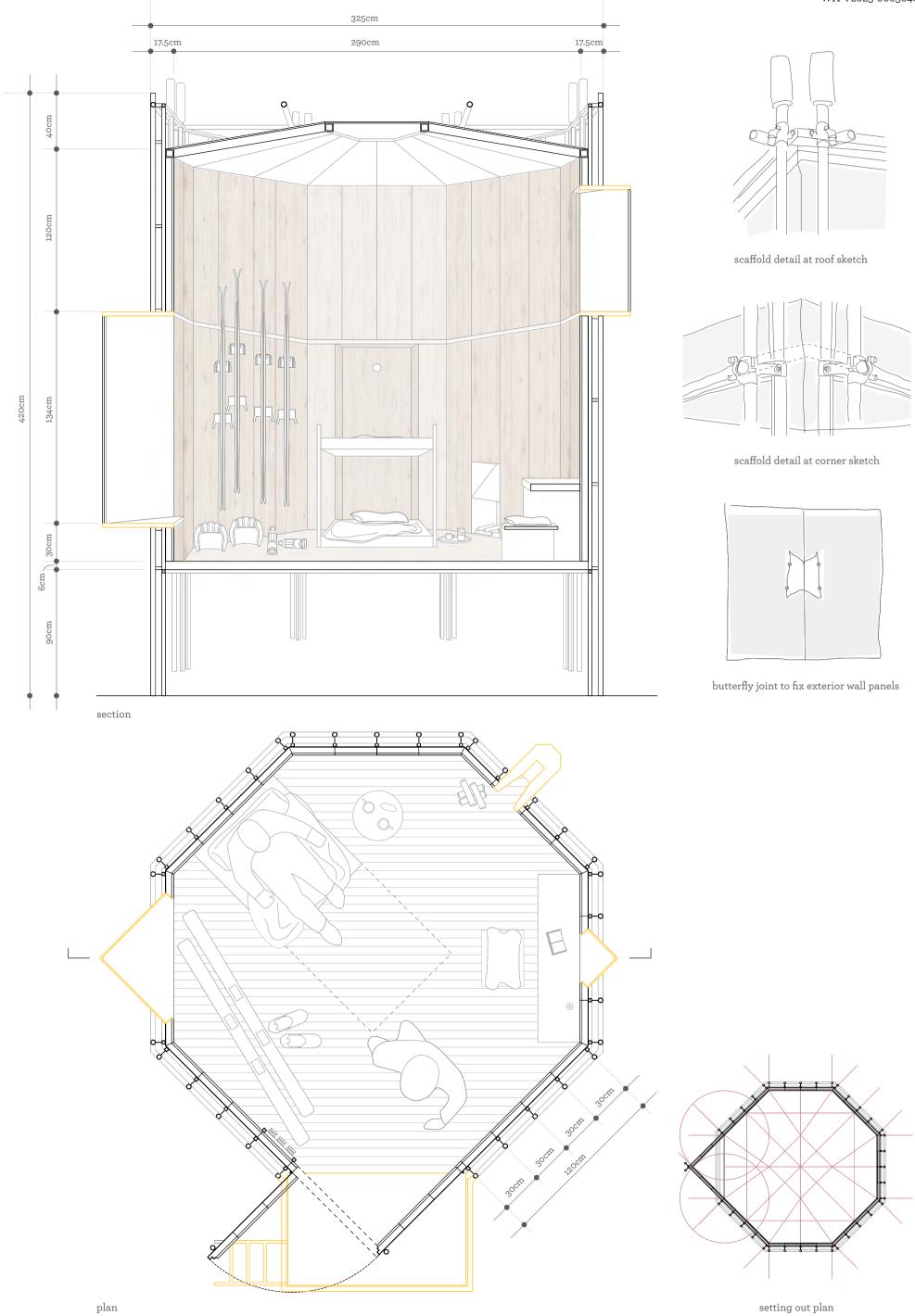


We believe that mountains are a perpetual destination for relaxation, freedom and spiritual clarity. Skiers, mountain climbers and even hikers require shelters that gives them a momentary pause and forces them to witness the nature.

The idea of this shelter comes from the idea of a prefabrication and reusability of construction materials that can be carried to the site by human beings. The concept of this inexpensive retreat consists of a relatively light weight tubular-metal structure with a contrasting interior volume. This volume represents the playfulness of intimate spaces and the structure represents the functionality. The hexagonal shape comes from thermal and ventilation requirements, resistance to wind and techniques that are easy for assemble. The interior has two window extensions that mediate between a view and light. The transformable furnishings, especially the double bed system has been carefully designed to easily accommodate both sleeping and daytime activities. A small fireplace has also been added to provide heating comforting during harsh weather conditions.

This modular hut provides shelter for 2 people. These could be further expanded into larger sizes so that the beauty and the pleasures of the mountain is experienced by greater numbers.

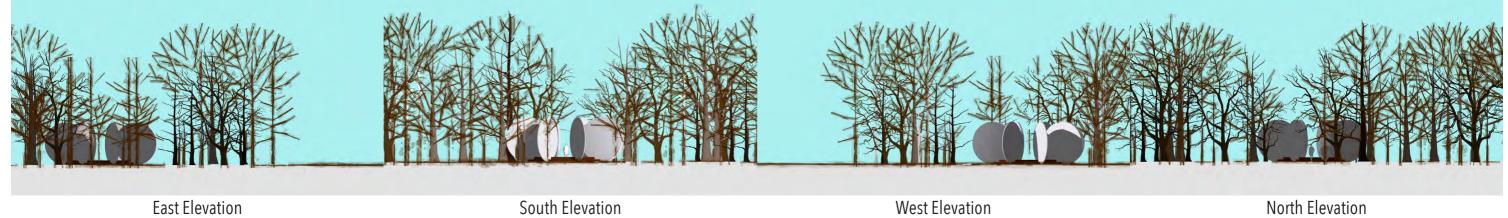
1 concept

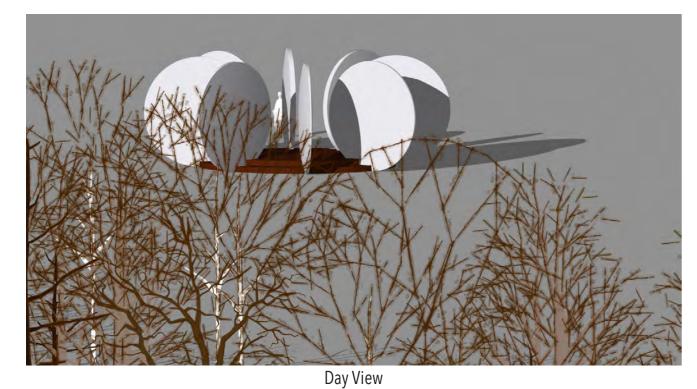


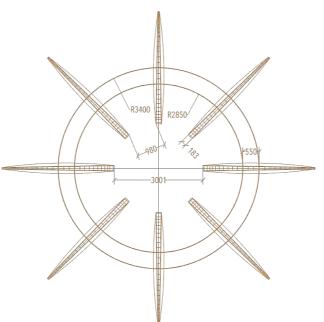
Light at the Horizon

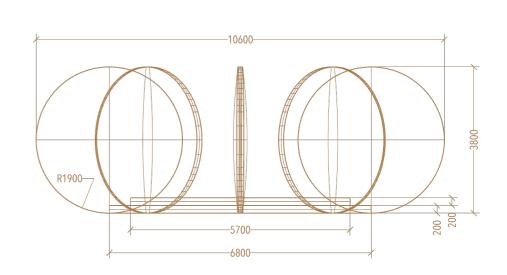


Light at the Horizon Registration Number: WH-V2023-0003049



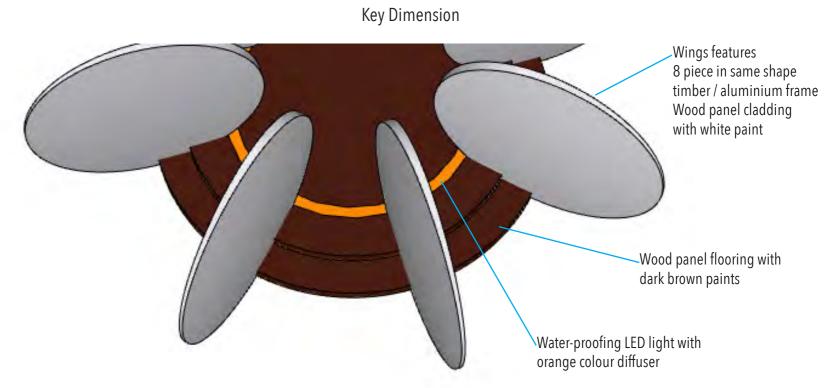






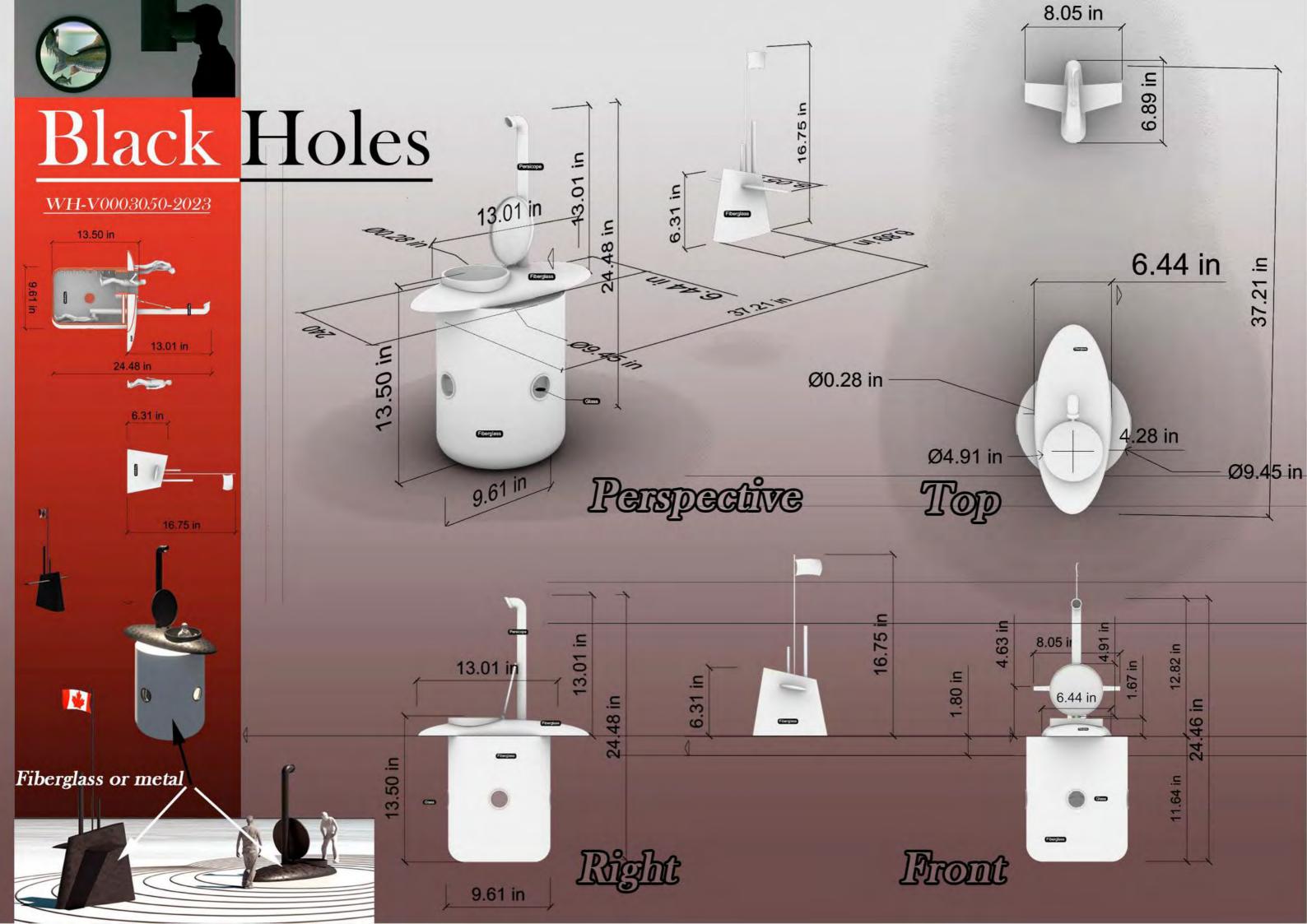
Unit: mm

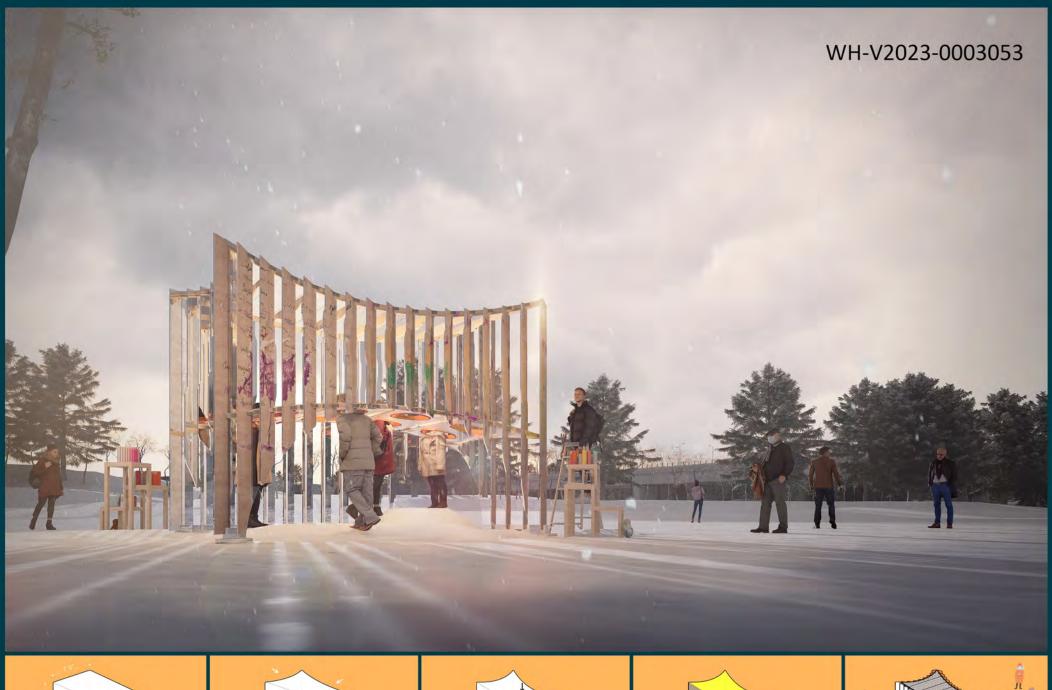


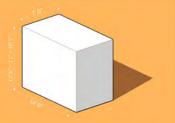


Materials

















DRAWING BOARDS

Please express your genius idea or mood at this moment on the drawing boards by drawing, writing or any other method you like, then get into your "Amazing Works" and have warm conversations with other authors while interacting with them.

DRAWING BOARDS will be fully finished when the last work is completed by visitors.

DRAWING BOARDS is made of wood, transparent acrylic sheets and mirror stainless steels. The wooden drawing boards and transparent acrylic sheets are installed together with inclined angle. It will present a variety of effects from complete to transparent appearances through different angles.

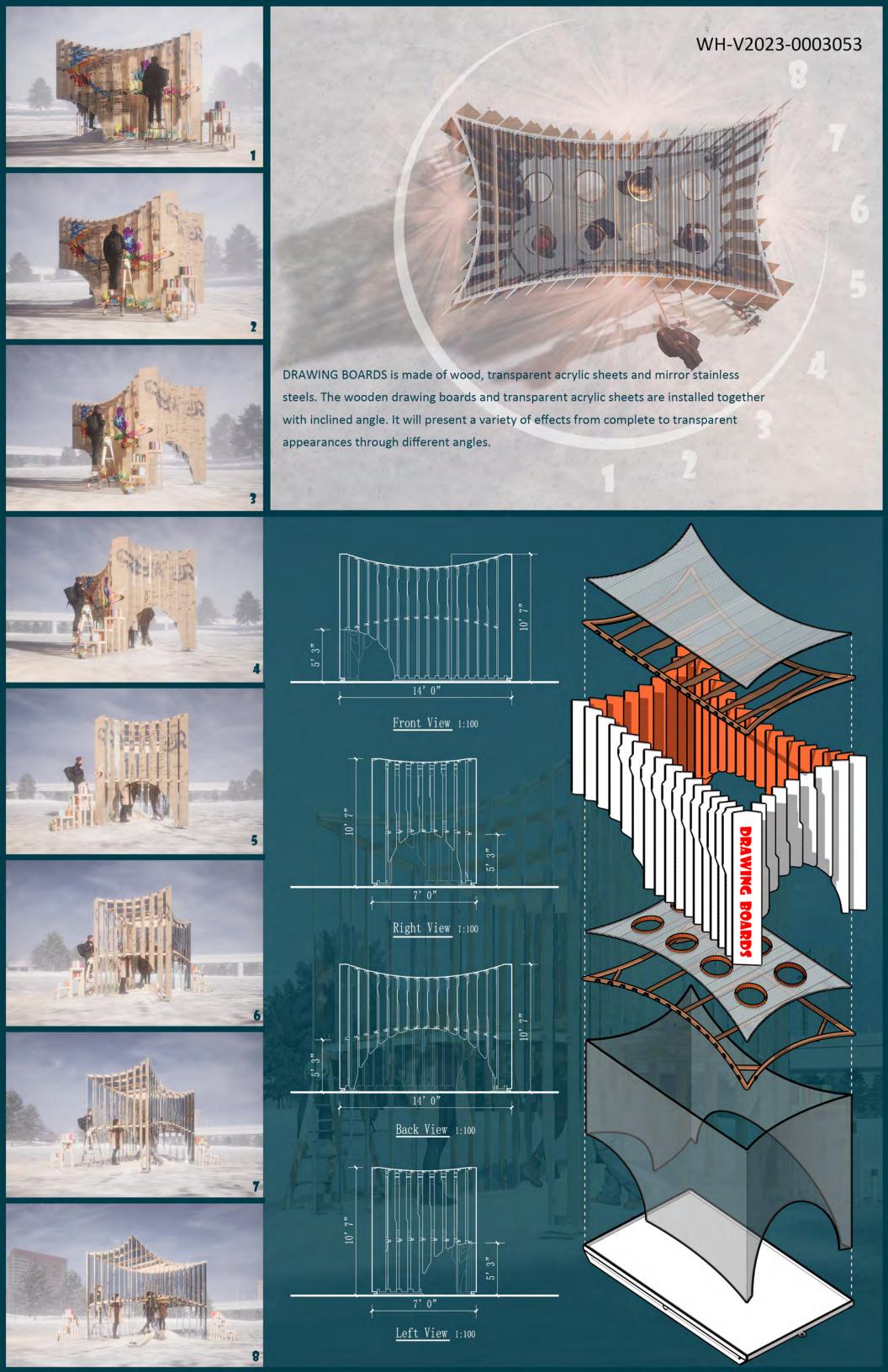
Visitors can get into the shelter through the bottom holes, enjoy the warm sunshine, and have interesting interactions with their own amazing works, the shelter and other tourists.

Many wonderful stories will happen here, let's find out!

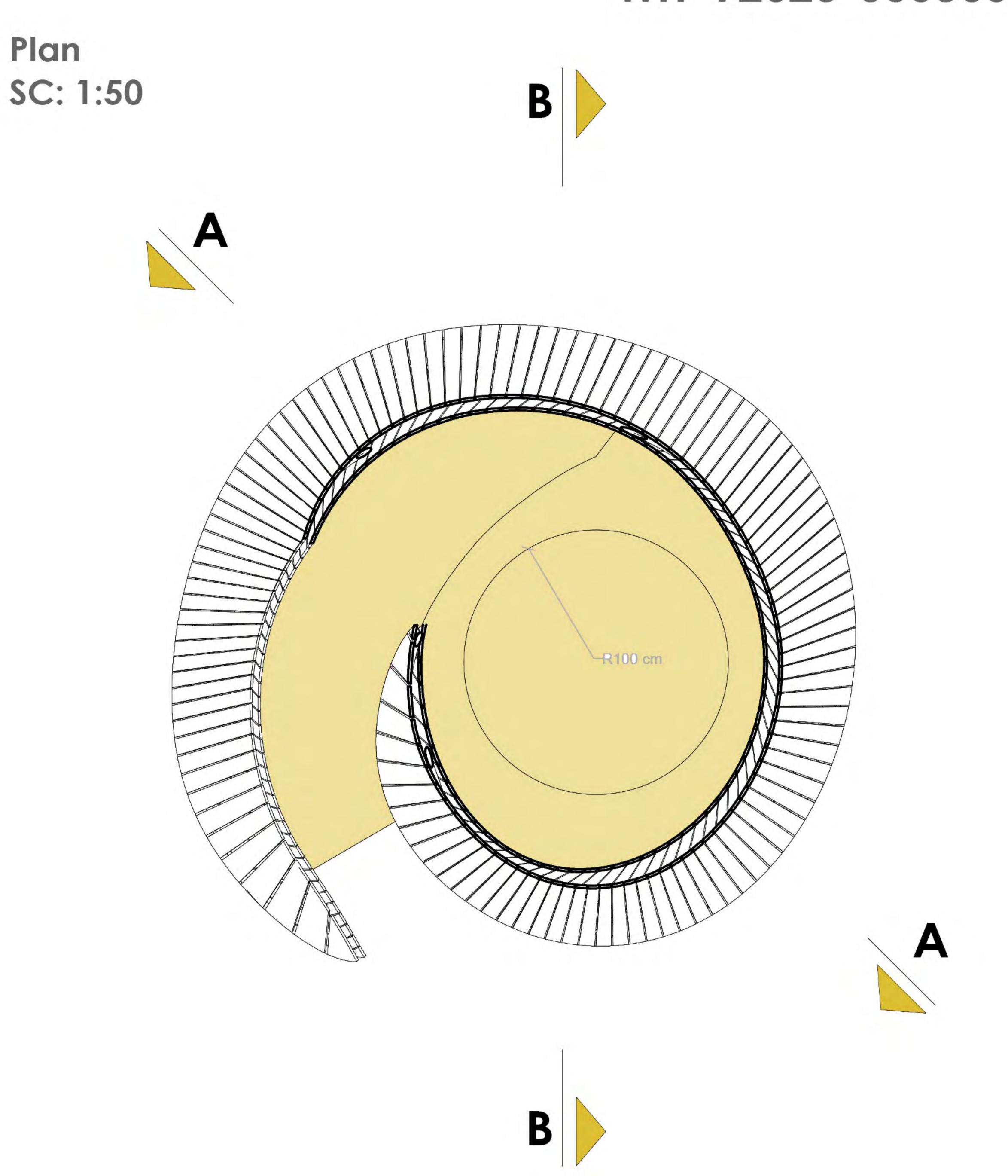












Design Concept

The hands that are opened towards you, open a warm embrace for you in which you can experience warmth and togetherness. In addition, we thought of creating a dynamic atmosphere by placing small soft balls that you can surround yourself with.

In this design, we tried to recreate the good experience of a warm hug for you.



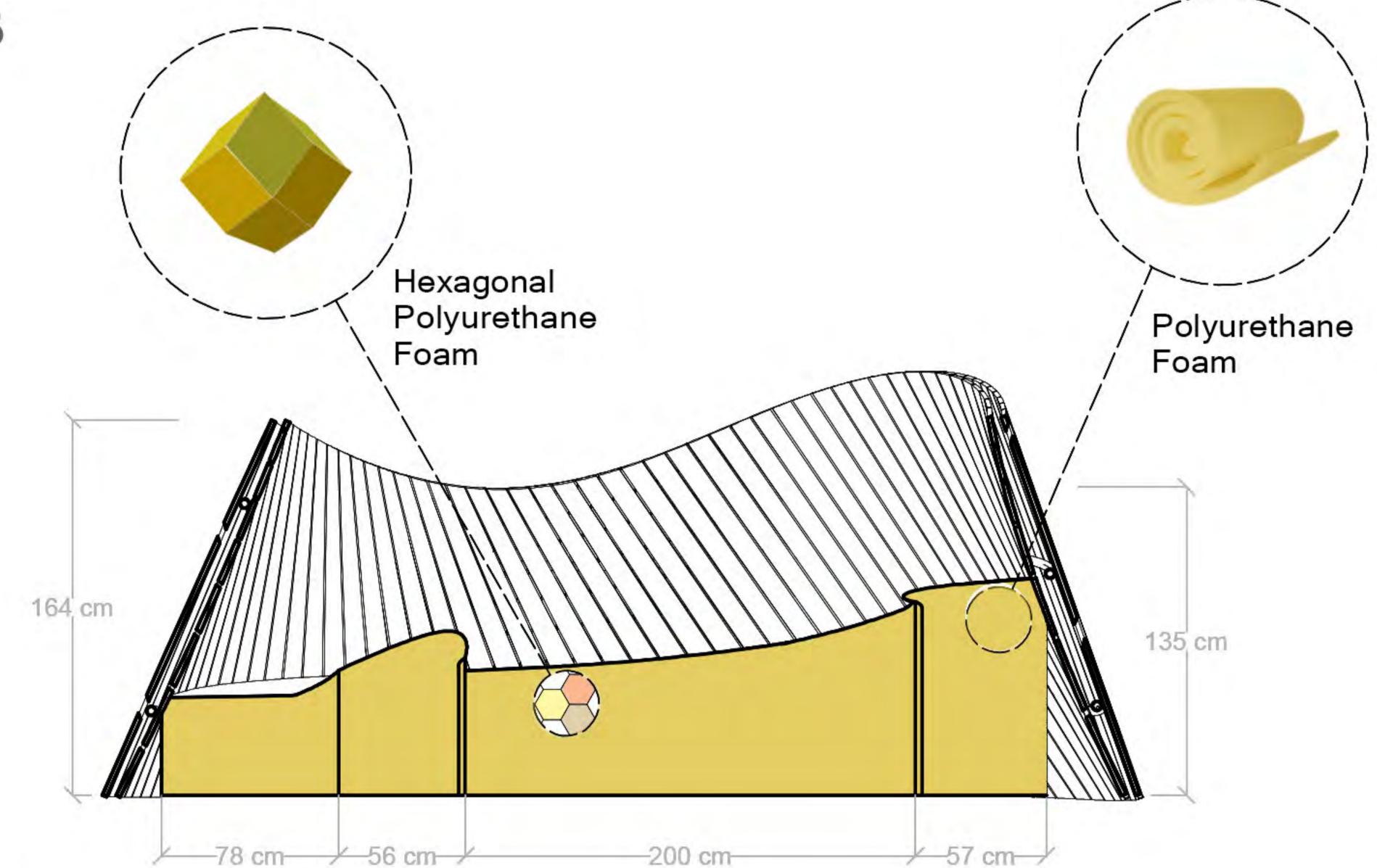




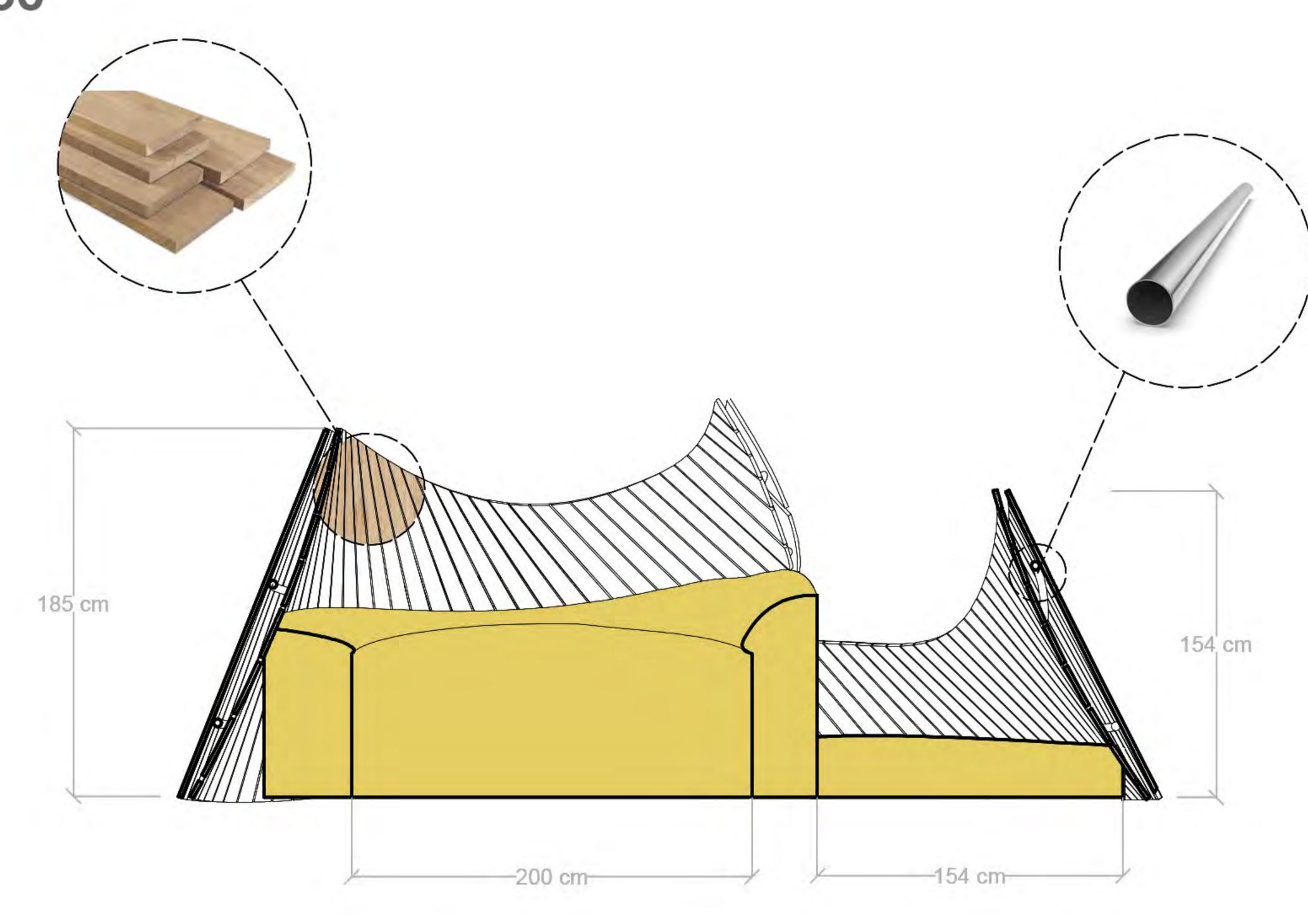




Section B-B SC: 1:50



Section A-A SC: 1:50



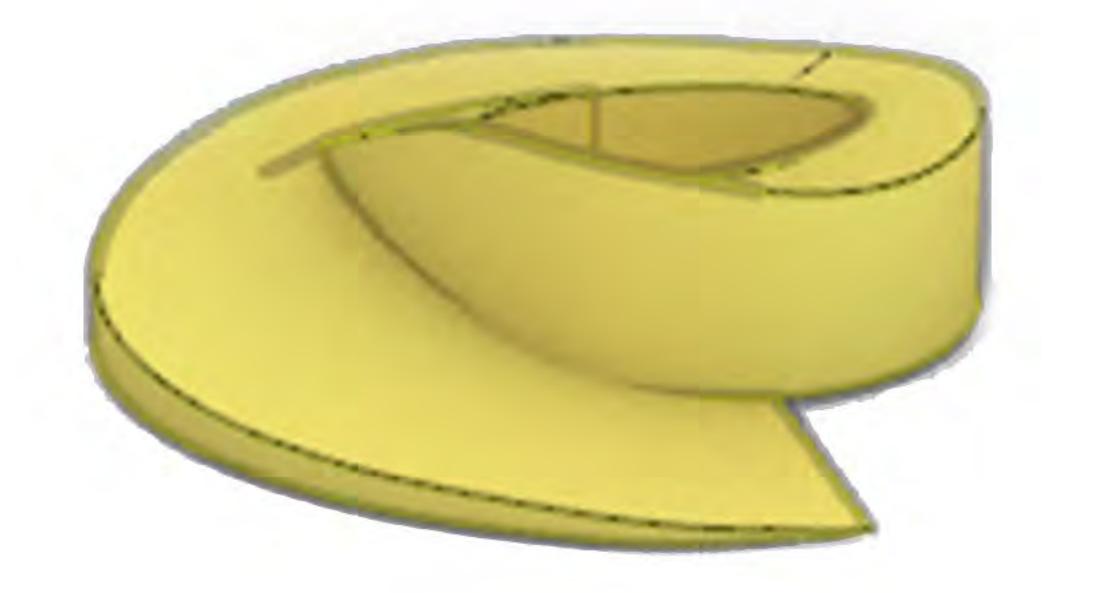
construction

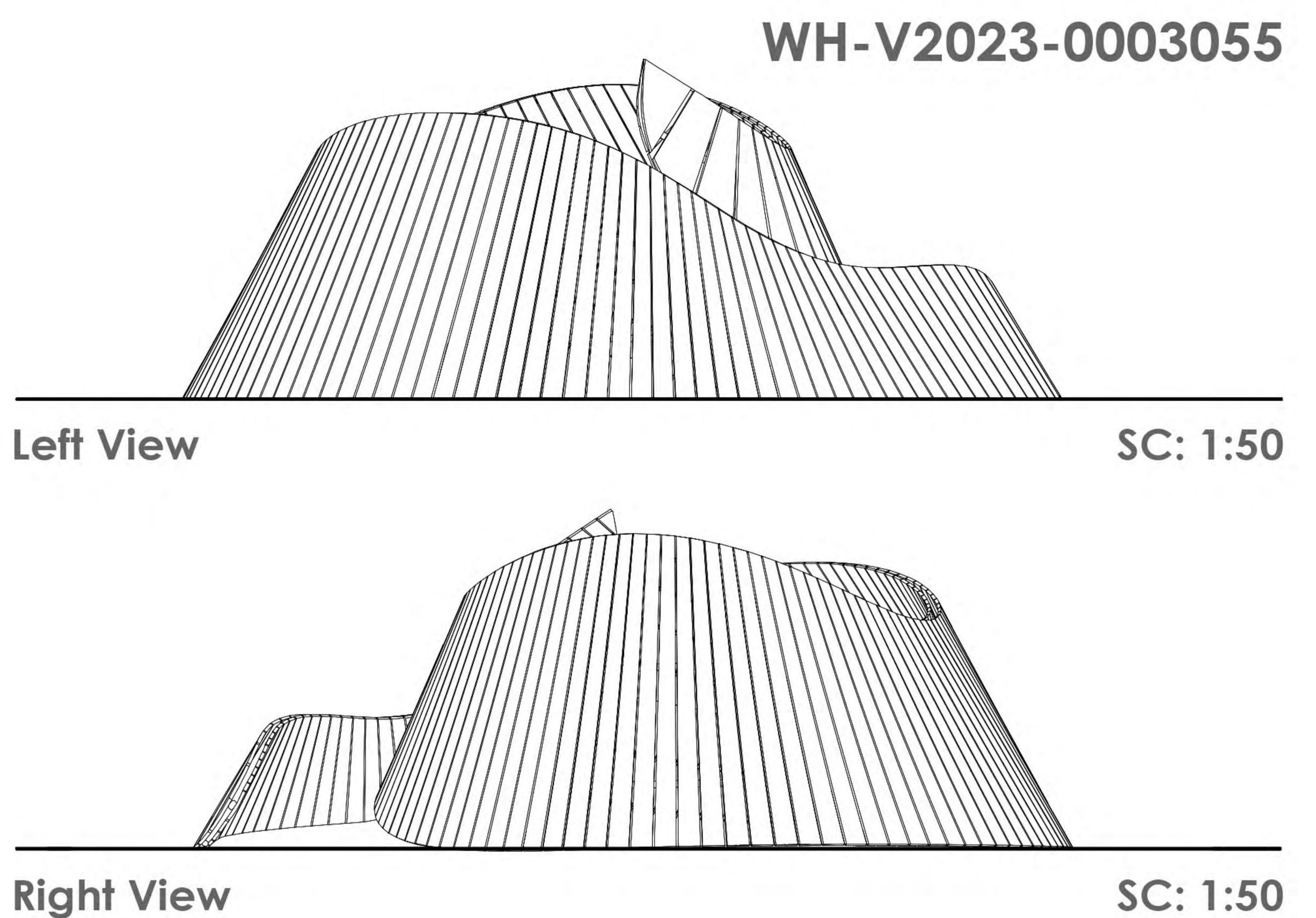
This installation consists of two steel belts that form the backbone of the design and hold the wooden beams from above and below. This structure is easy to build and by separating the parts in the shortest possible time, it allows to carry the parts easily on the skid. Also, smoothing the connection point of this structure to the ground can allow it to move independently.

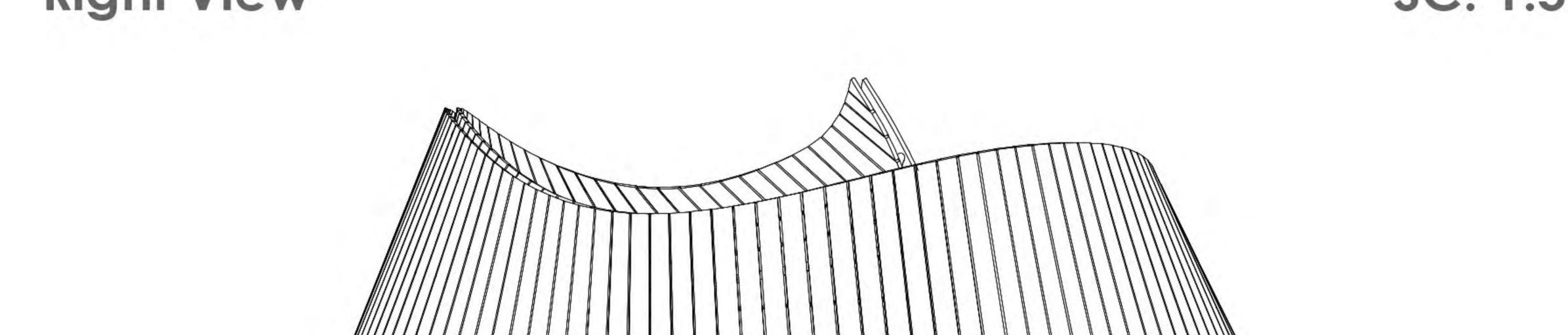






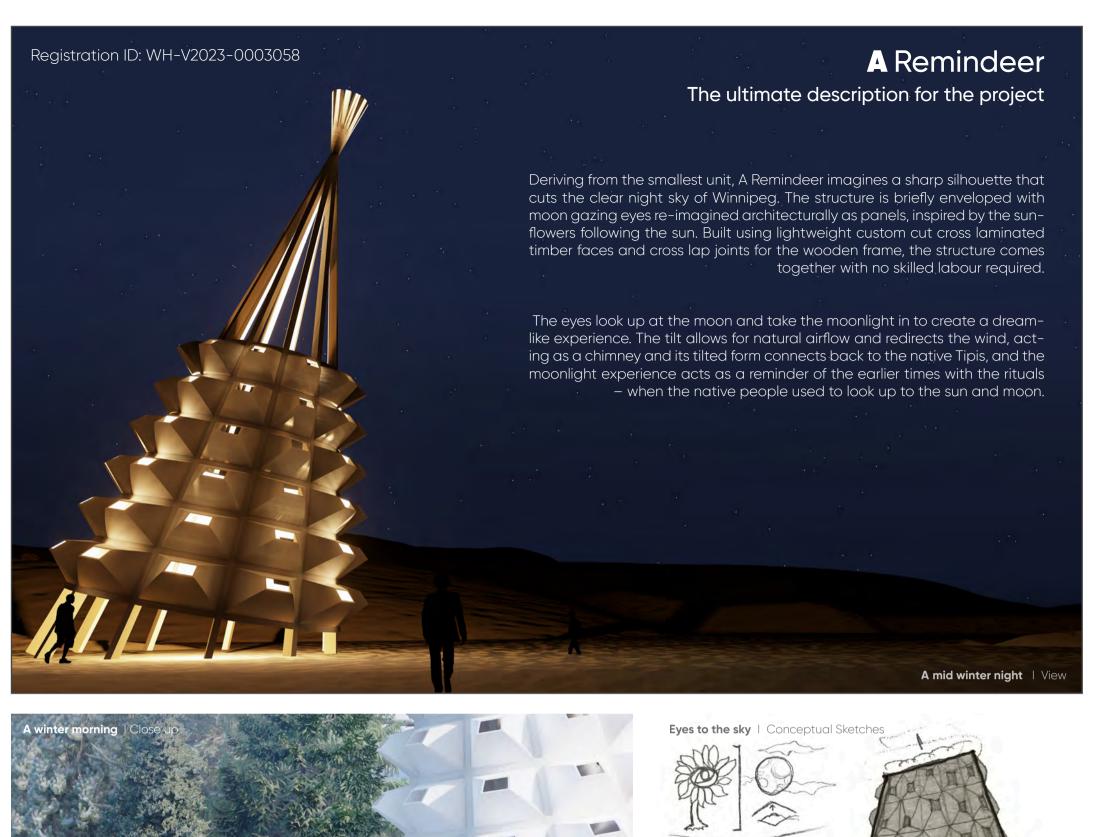






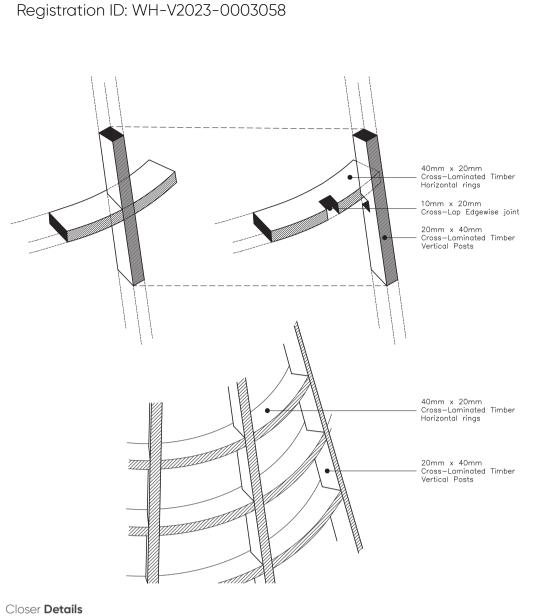
Back View SC: 1:50

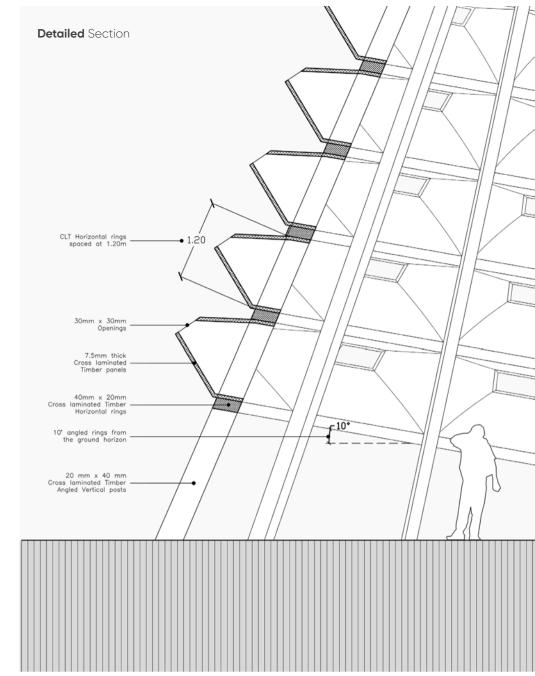


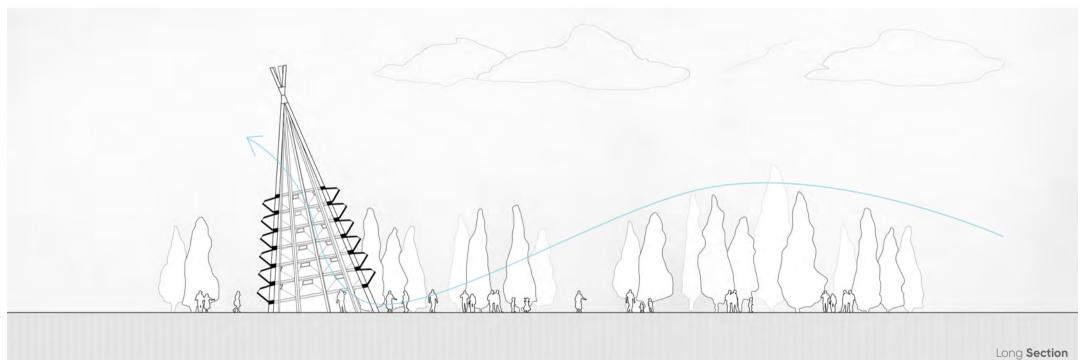


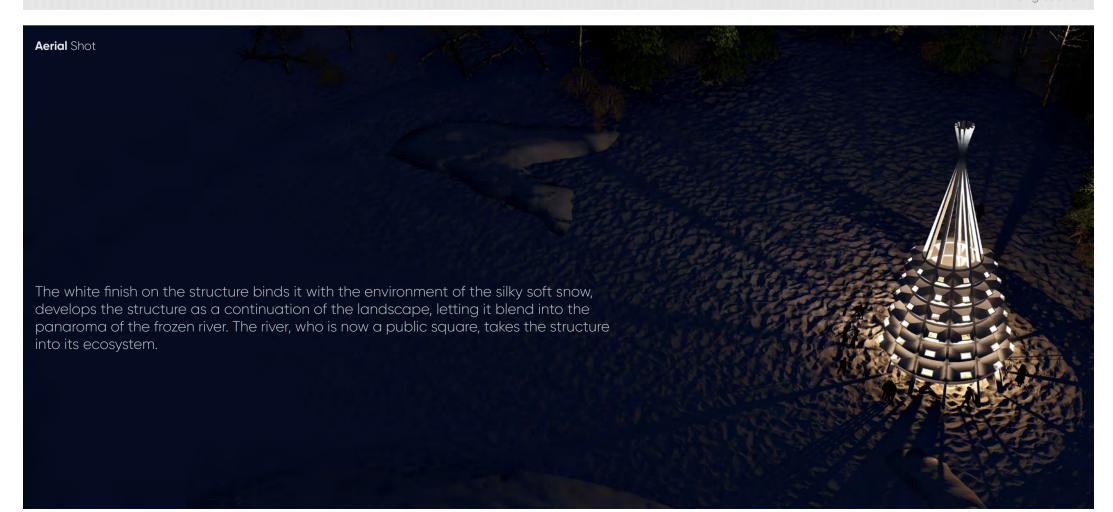














It was something like that... an ice castle, an alluvial plain, a frozen lake in Manitoba covered in fishing shanties- their alignments never quite perfect but somehow just right every time. Land art, or more of an ice sculpture? Oh well, I suppose there's nothing to do but just sit here and watch the river flow...

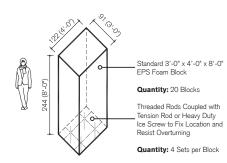
BABBLE is designed to be built on budget, with minimal waste. It consists of 20 identical, standard size EPS foam blocks that can be procured locally from any

construction supplier, delivered to site on a single truck, and installed simply, utilizing standard anchors. At the completion of the installation, the foam blocks will be donated to the architecture school at the University of Manitoba, or to the local parks department.

Not a traditional warming hut, the foam blocks of **BABBLE** will reflect solar radiation to warm passersby, deflect cold winter winds, and create an ever shifting landscape of snow drifts.

Equally accessible to all, including skaters, walkers, and skiers, **BABBLE** may be located anywhere on the Nestaweya River Trail: as a gateway to winter fun, a mixing spot at the confluence of the Red and Assiniboine Rivers, or an exciting destination all its own.

BABBLE will be an icon of Winnipeg Winter 2023.





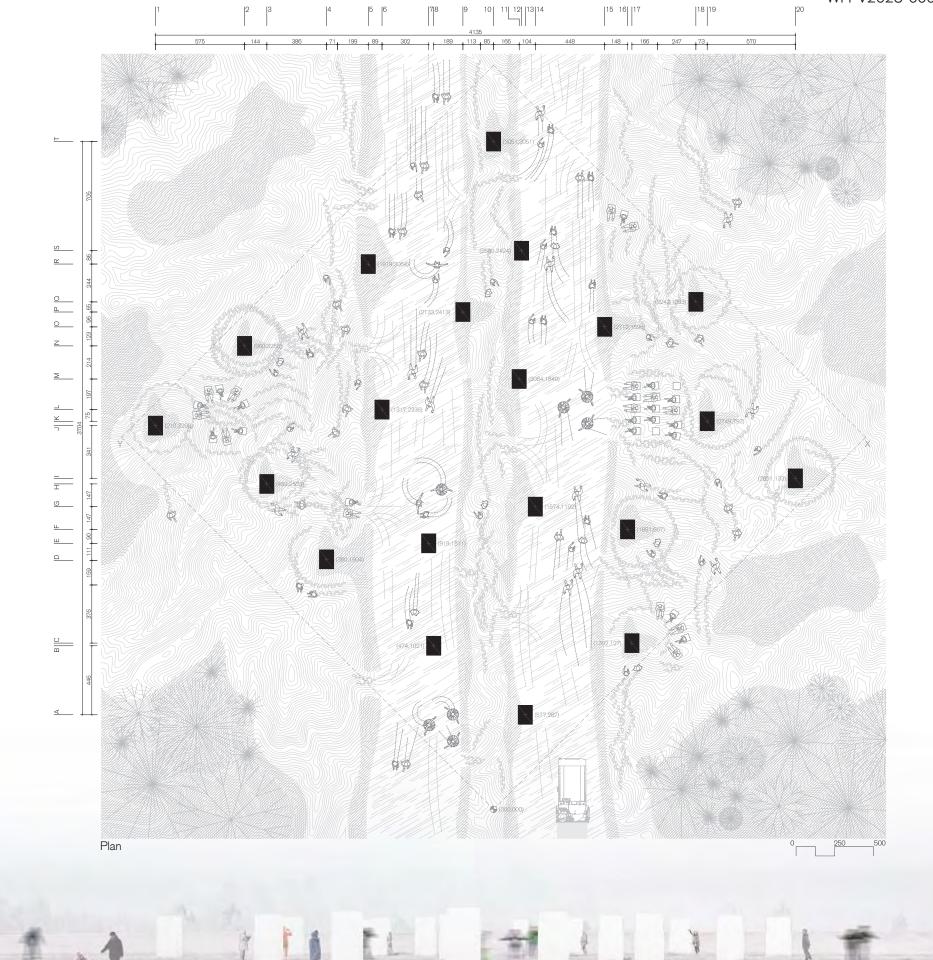


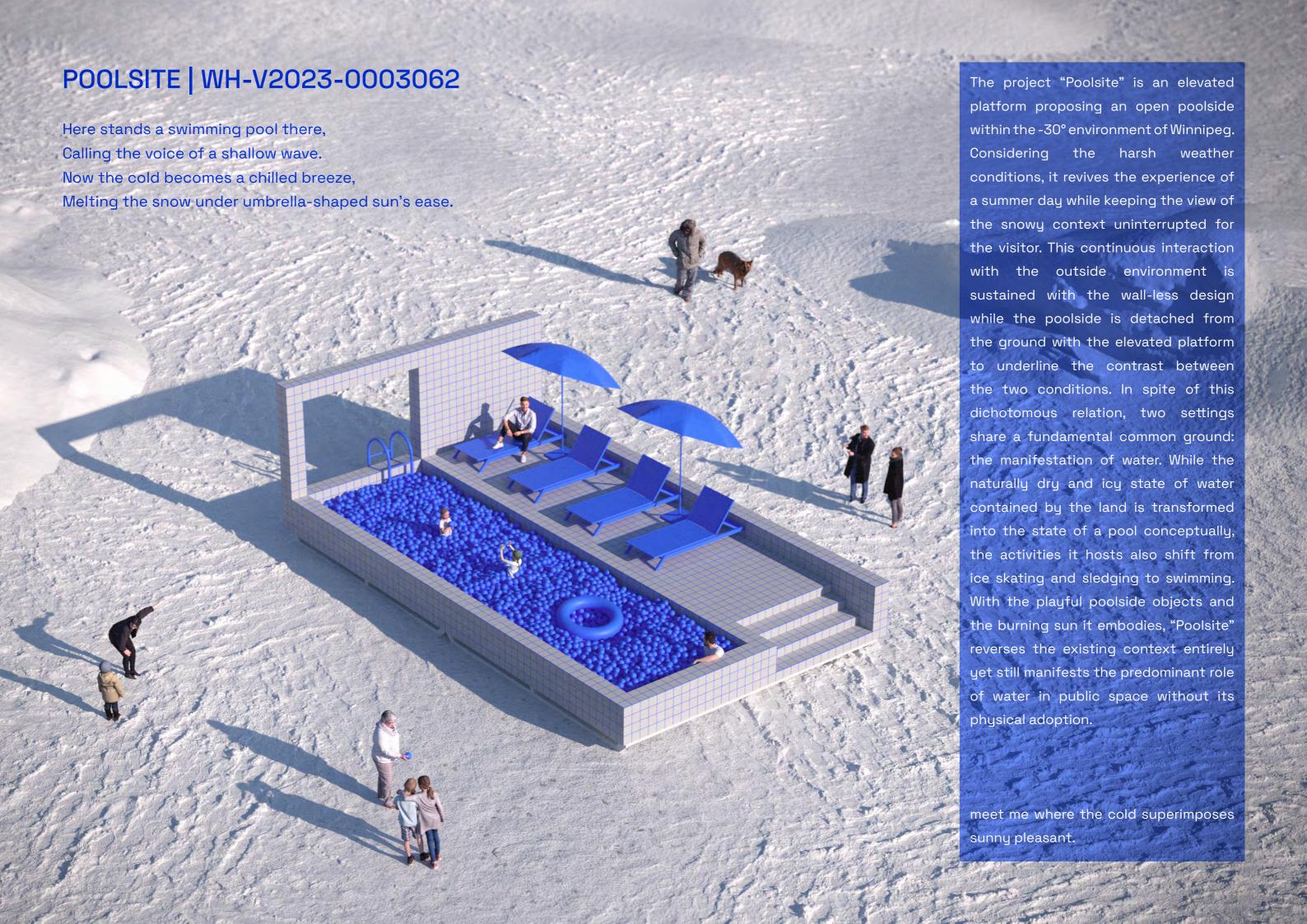


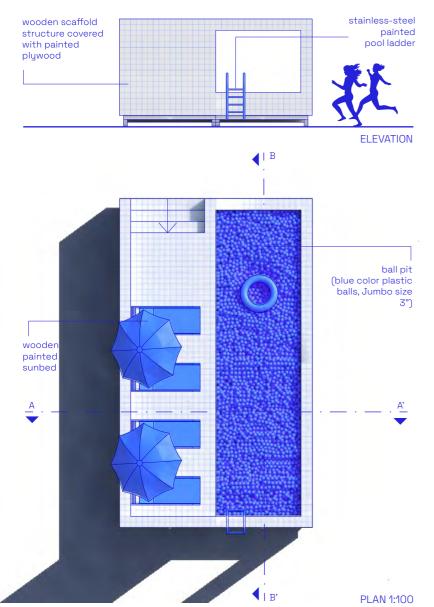


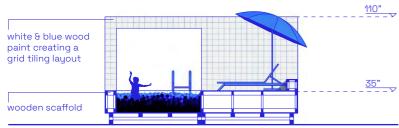




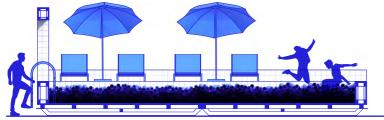








SECTION AA'



SECTION BB'



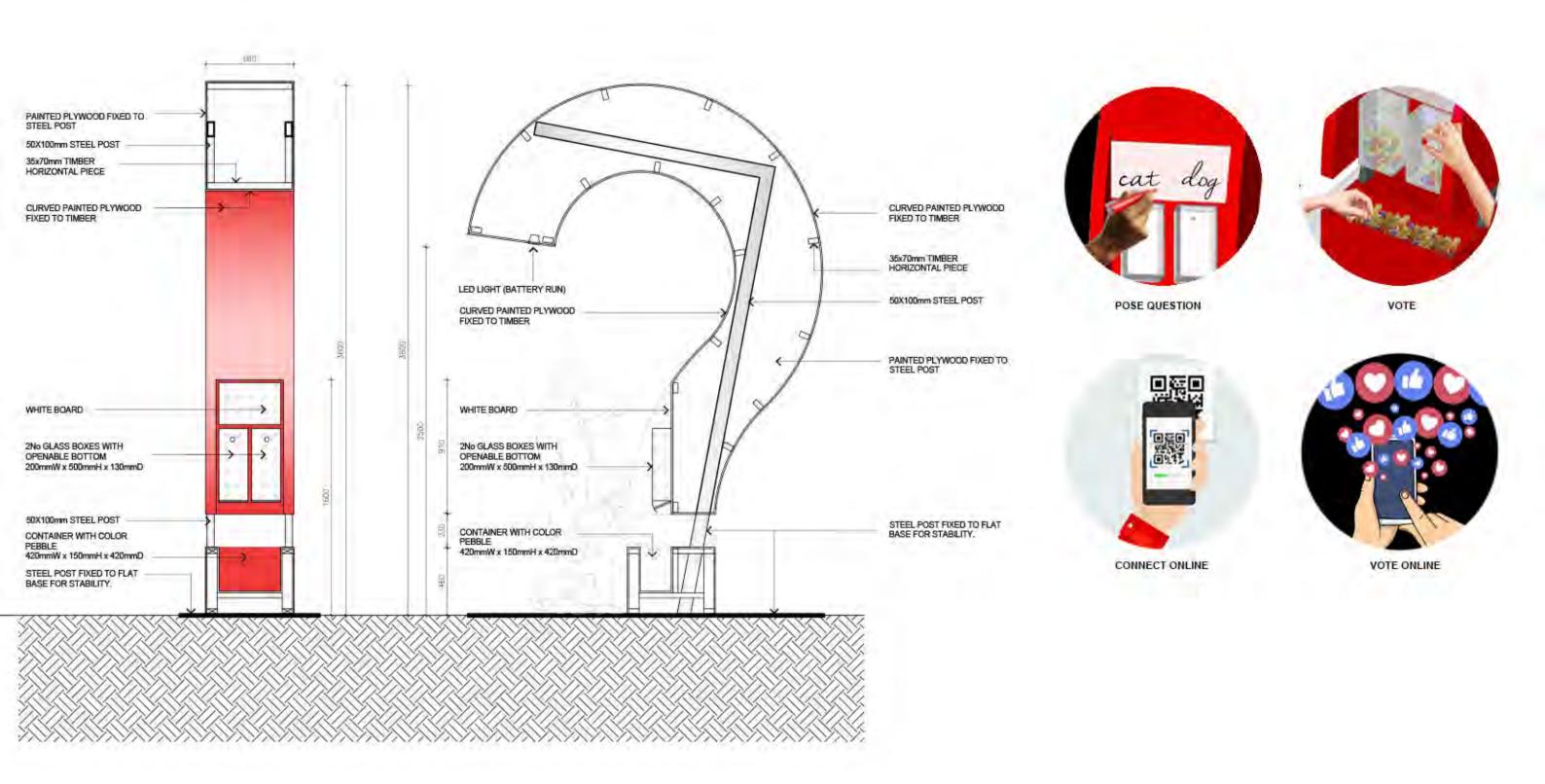


"Red Q" is an interactive installation that encourage community to share their views & ideas. A series of three red "question mark" structures are placed, ideally, under the bridges spanning Assiniboine River — each designed like a standalone polling station where visitor can pose any questions and others can vote for their preferred answers. Cat or dog? Ronaldo or Messi? — The options are limited and constantly changing.

In addition, the proposal can utilizes the bridge pylons as a surface to write on; where visitor can express their opinions on more civic and social questions such as "What the city needs more of?". To expand its reach even further, QR code is provided for online participation.

"Red Q" hopes to not only visually thread the river trail together, but also to connect people through fun and interactive intervention such as this.







YIN YANG

ID: WH-V2023-0003067

embodies the individual balance of power (Yin) stands for darkness, calm, passive reception, the feminine and soft. (Yang), on the other hand, means sun or brightness and warmth, active giving and masculinity.

With regard to the opposites represented by yin and yang, the philosophy is often applied to genders as well. Then there is talk of the contrast between woman (yin) and man (yang), but sometimes also

of the unity between tiger (yin) and dragon (yang)











ICEwood

The water of the river is transforming into a log cabin.

The waters of the Assiniboine river and the Red river mix to give birth to my dream cabane. A transparent cabin, sometimes transparent, sometimes opalescent according to the whims of weather and sun.

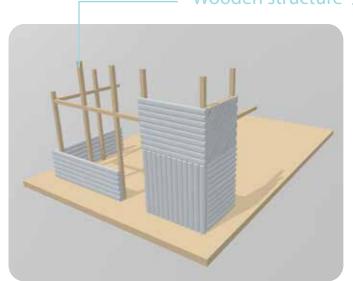
A hut built with logs of ice.

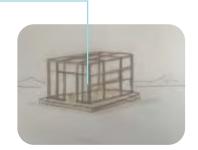
Principle and method

Long pockets (sheaths) will be unrolled, over a length of about 2 meters, filled with water and sealed. The natural cold will freeze the water, the pockets will be removed, the ice sticks will be stacked on a wooden structure.

The gravity allows to obtain very straight logs (provided they are made on a very flat surface)

Wooden structure _____







Water

Remove the plastic sheath





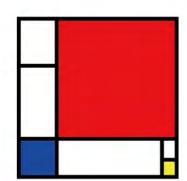


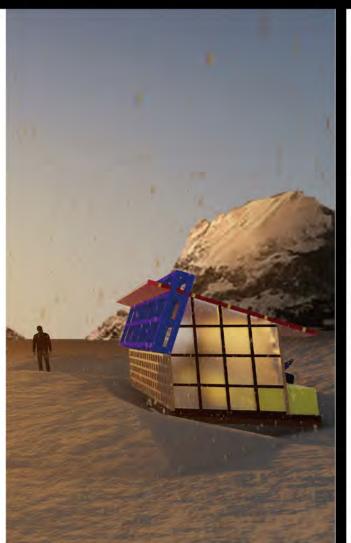
CLIMATE BOX WARMING HUTS

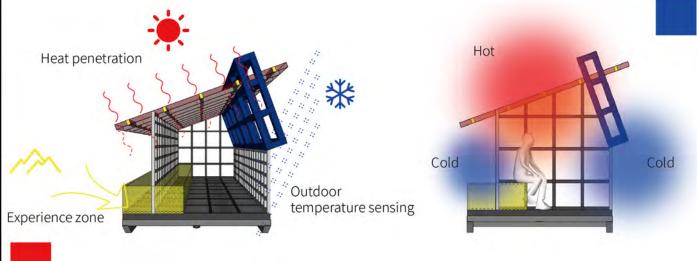


DESIGN DESCRIPTION

The project base is located in the natural environment by the river. We hope to think about it based on the local cold climate change in winter and let people interact with buildings. We use geometric abstractionism to divide environmental elements into: 1 sun 🔆 (red), 2 rain and snow ∰ (blue), ©land / (yellow). Application in architecture: ●Sunshine has the characteristics of wide coverage and strong penetrability. It is presented in transparent form. 2 The track of rain and snow fall is characterized by vertical lines. It is presented in the form of vertical grid hollowing out. The land is characterized by solidity. It is presented as a geometric cube. Finally, these elements are integrated into the building cabin. The three elements of "sun", "rain and snow" and "land" are intertwined in the building. This building aims to express the relationship between environment and human beings through geometric abstractionism.







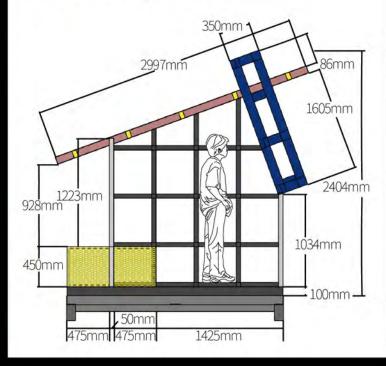




Entrance perspective

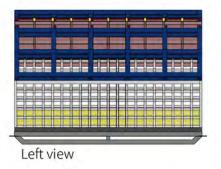
CLIMA

DIMENSIONAL DRAWING

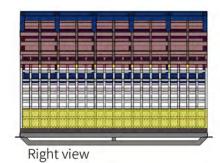


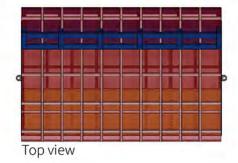


FOUR VIEWS



BOX 1

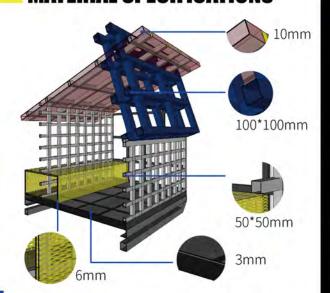




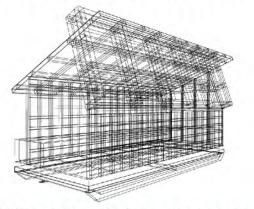
Indication of drop point



MATERIAL SPECIFICATIONS



PROFILE STRUCTURE WELDING

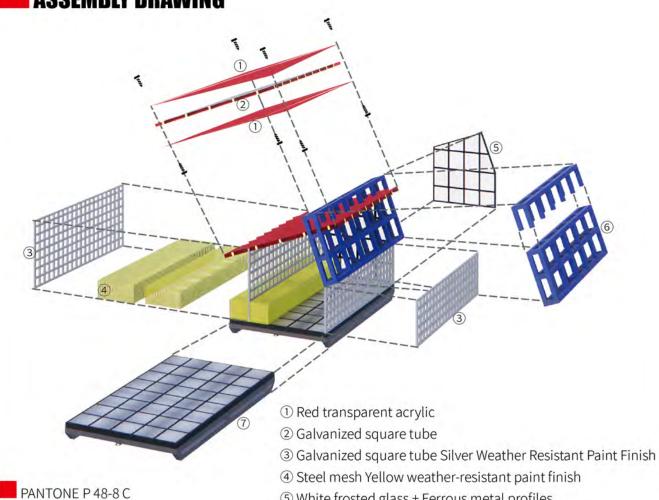


Welding structure of galvanized square tube

ASSEMBLY DRAWING

PANTONE P 166-7 C

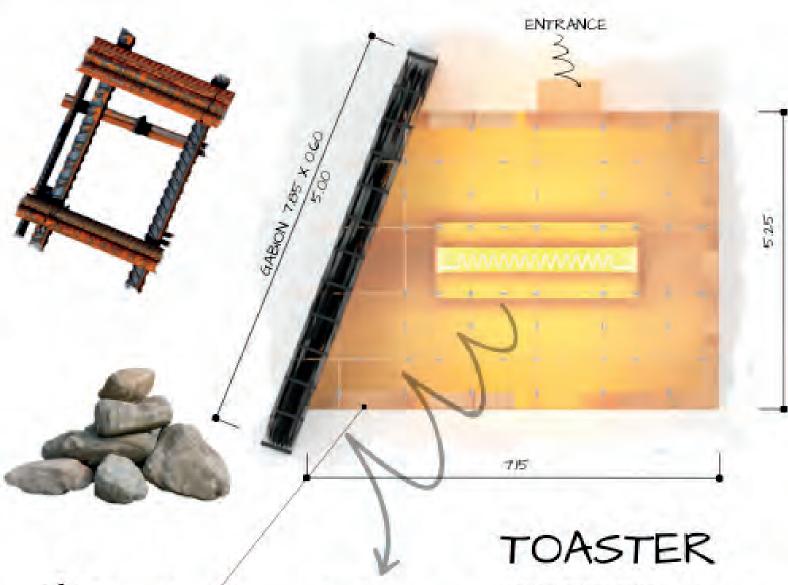
PANTONE P 102-8 C

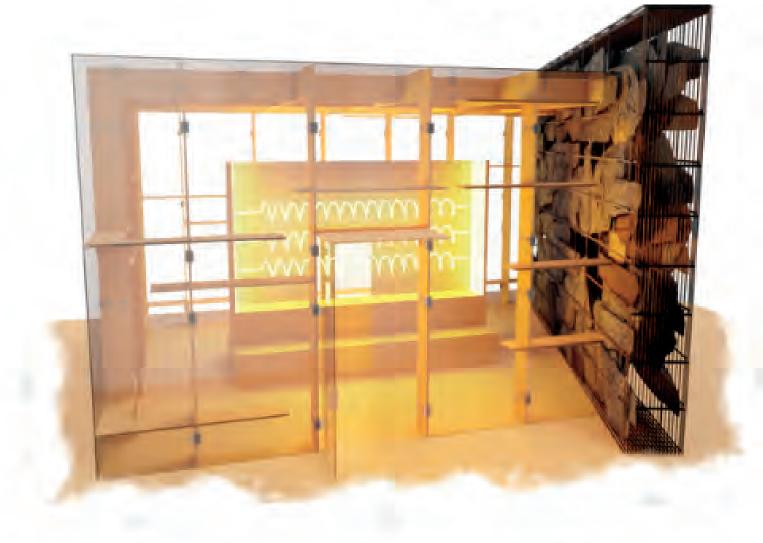


⑤ White frosted glass + Ferrous metal profiles

6 Galvanized Square Tube Blue Weather Resistant Paint Finish

① Galvanized checkered plate + Black metal strip dividing line





PHOTOVOLTAIC GLASS



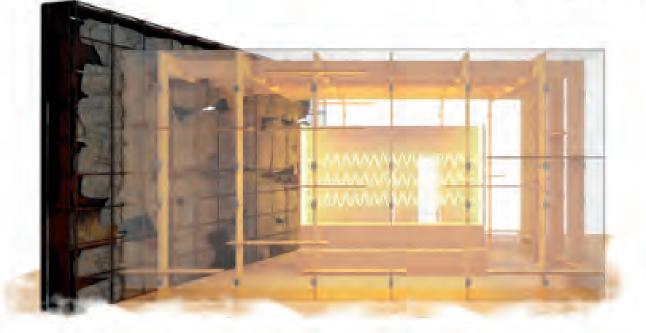
ELECTRICAL RESISTANCE VISITOR EXPERIENCE:

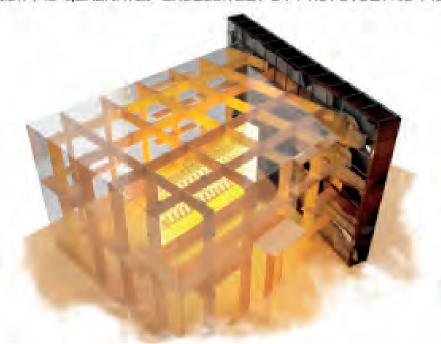
THE WARMTH COMES FROM BEING TOGETHER. ENJOYING TIME WITH OTHER PEOPLE IS SOMETHING WE DO LESS AND LESS TOASTER. INVITES YOU TO GATHER IN A NATURAL PLACE, SPENDING TIME LISTENING TO EACH OTHER. IT'S WARM AND QUET INSIDE THE CABINS.

THE IDEA CAME FROM A TOASTER, A LIVELY AND COZY RETREAT ON COLD WINTER DAYS, A TRANSPARENT CUBE WITH TRANSPARENT PANELS CREATES A PLACE OF HEAT PLACED ON A PEDESTAL BASE OF RESISTANCE.

OUTSIDE, IT SERVES AS A BEACON OF SHINE AND A SPLASH OF COLOR AGAINST THE MONOCHROMATIC HUES OF WINTER, A WELCOME RETREAT FOR HIKERS, CYCLISTS, SKATERS AND SKIERS.

THE SHELTER'S ELECTRICITY IS GENERATED EXCLUSIVELY BY PHOTOVOLTAIC MODULES INTEGRATED INTO ITS WALLS AND ROOF.







TEAM:

AMAURI GASPAR

TEAM DESCRIPTION: ARCHITECT AMAURI GASPAR

GRADUATION IN ARCHITECTURE AND URBANISM FAC. BELAS ARTES DE SÃO PAULO 94

PROFESSIONAL EXPERIENCE:

ARCHITECT WITH TWENTY YEARS OF EXPERIENCE IN HOUSING, BANKING, INDUSTRIAL, EDUCATIONAL, COMMERCIAL, HOSPITAL AND LAYOUT PROJECTS. EXPERTISE IN THE MANAGEMENT AND PLANNING OF PROJECTS AND WORKS WHERE COORDINATION, COMPATIBILITY AND INSPECTION OF TEAMS ARE REQUIRED.

PROJECT NAME:

TOASTER

USERNAME: AMAURIGASPAR@HOTMAIL.COM

REGISTRATION ID: WH-V2023-0003074

CONTACT:

ARCHITECT AMAURI GASPAR

SÃO PAULO BRAZIL

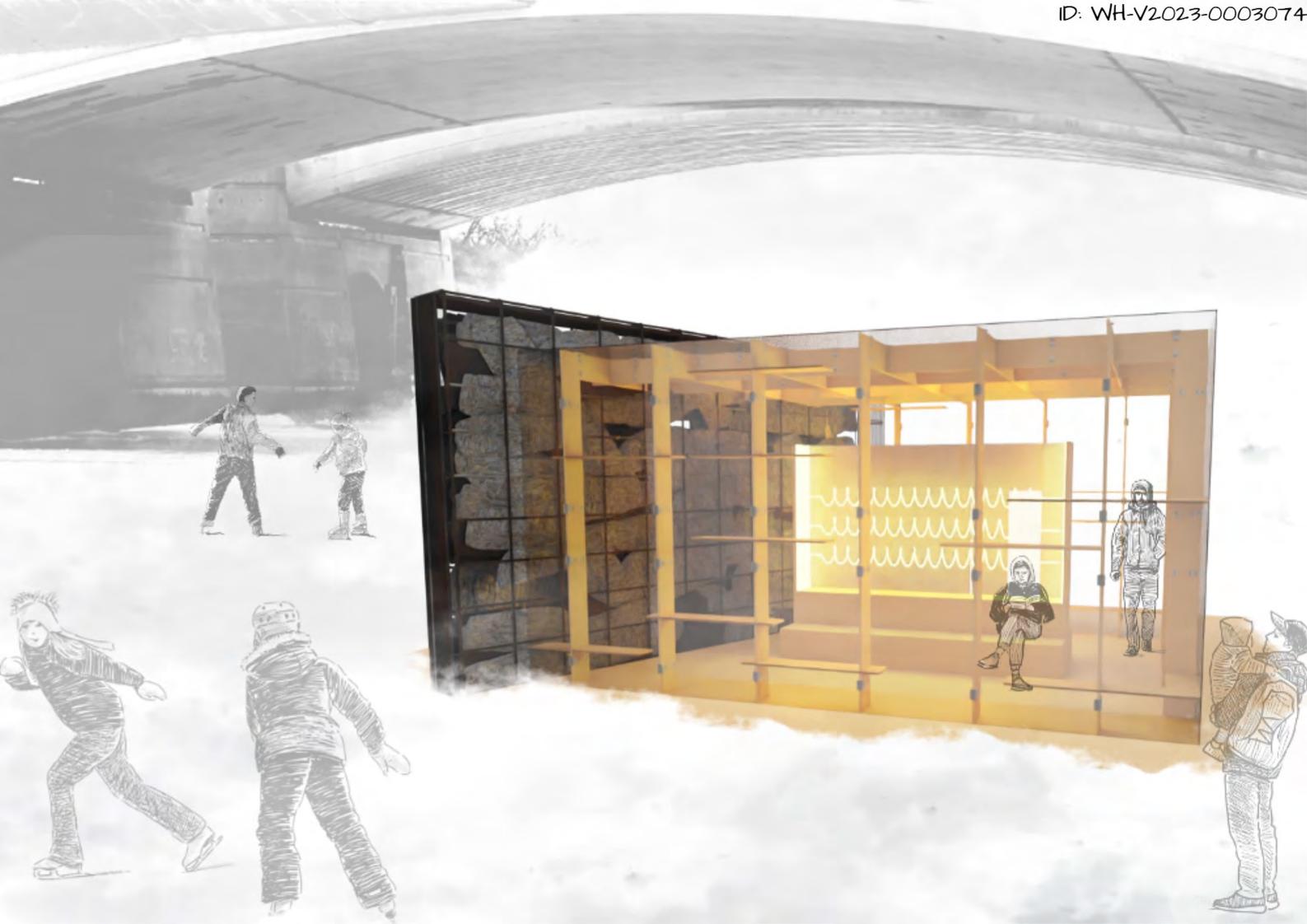
GRADUATED IN ARCHITECTURE FAC. FINE ARTS OF SÃO PAULO

94

R. TOPAZIP NO. 478 CJ. 65 - 04105061 VILA MARIANA SP

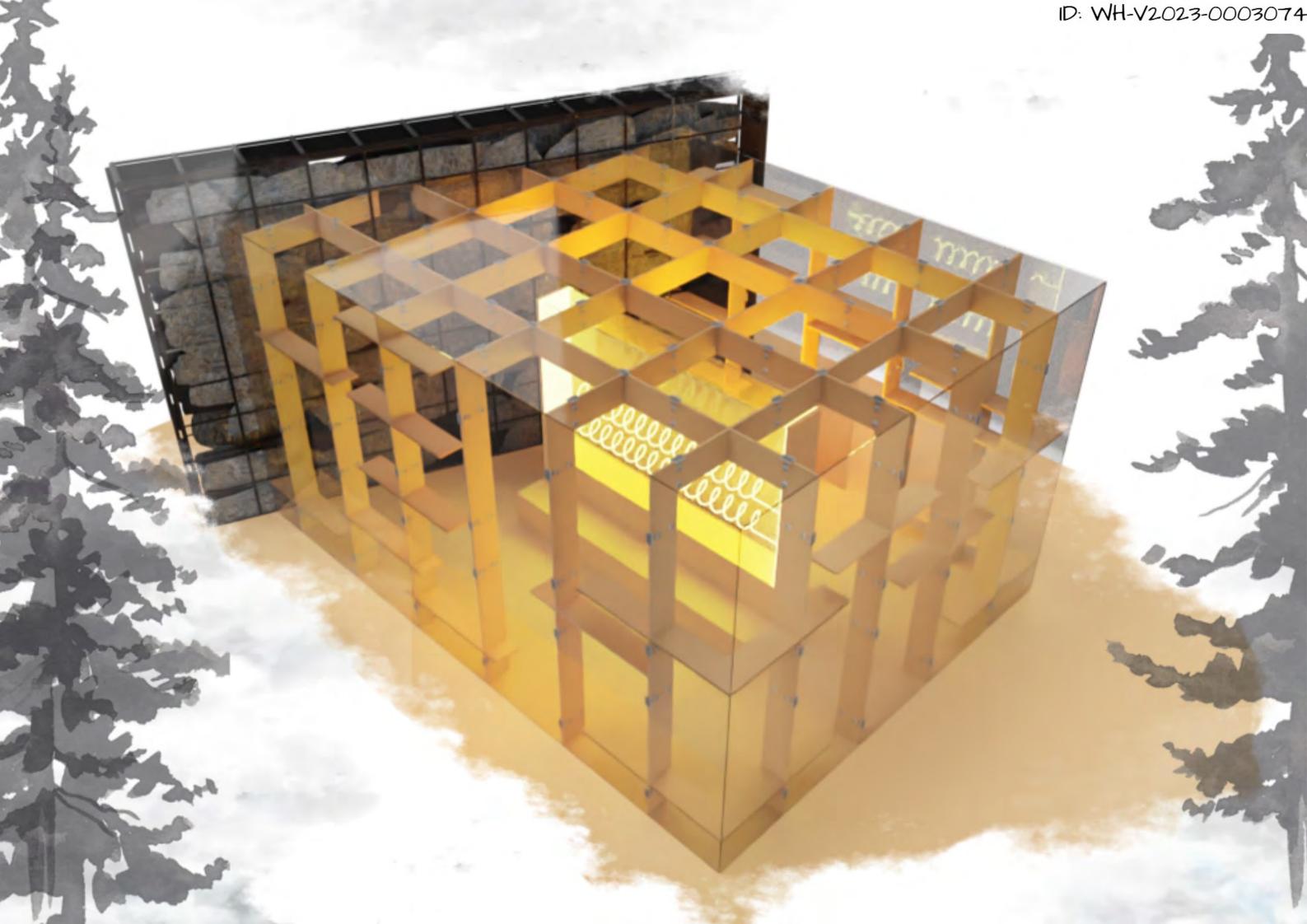
TEL: 5511989550352 - 5511985585400

email: amaurigaspar@hotmail.com

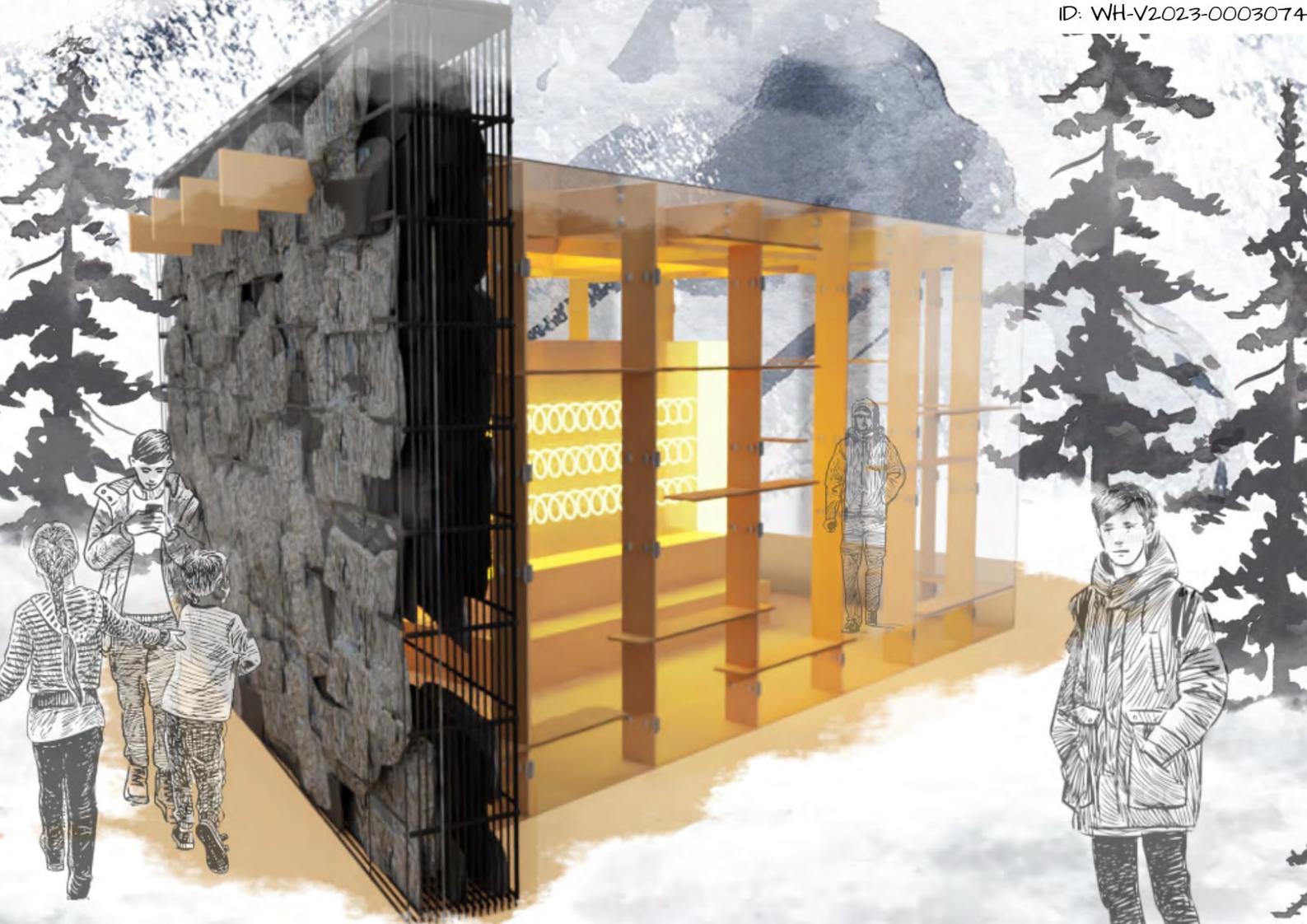


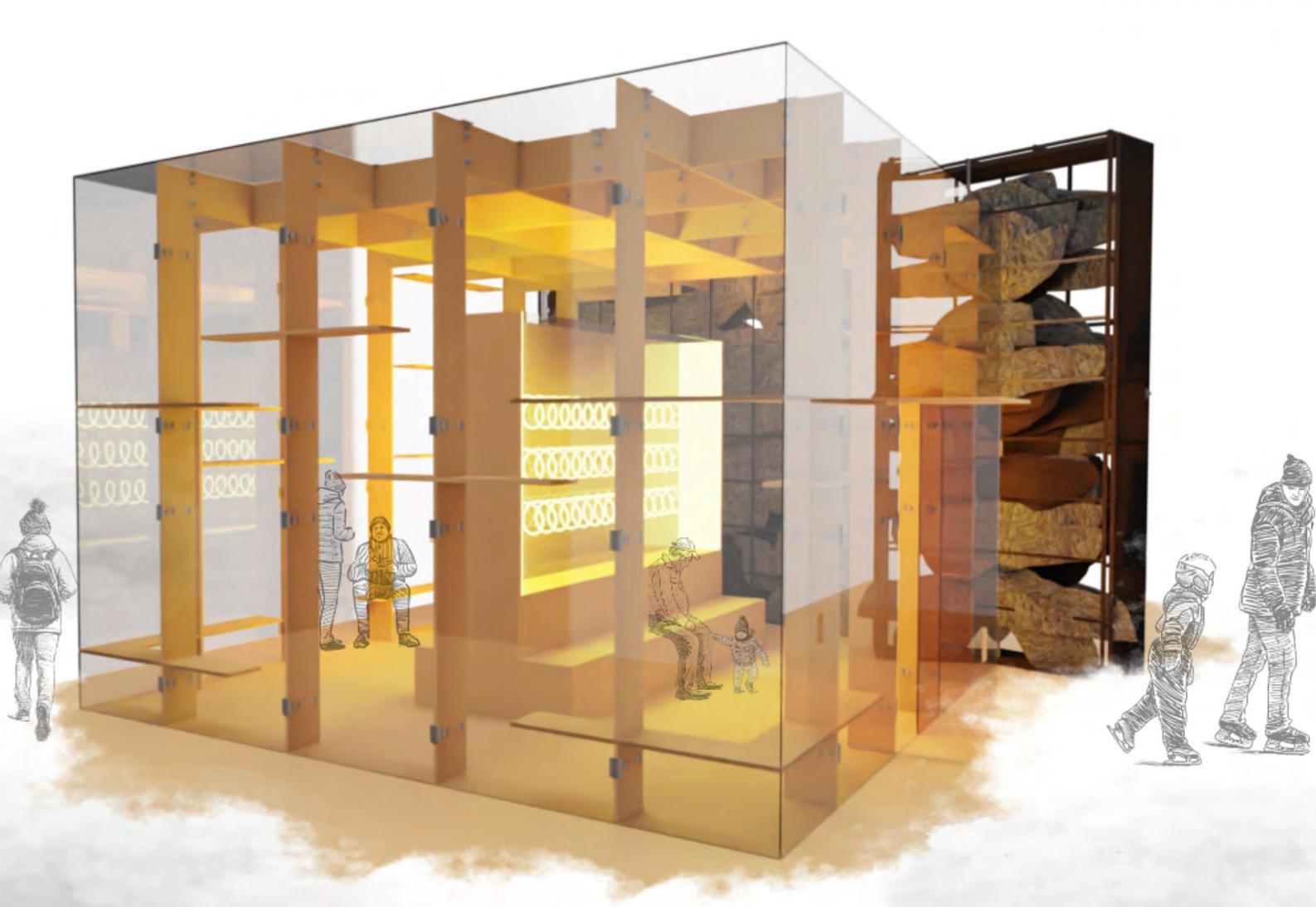






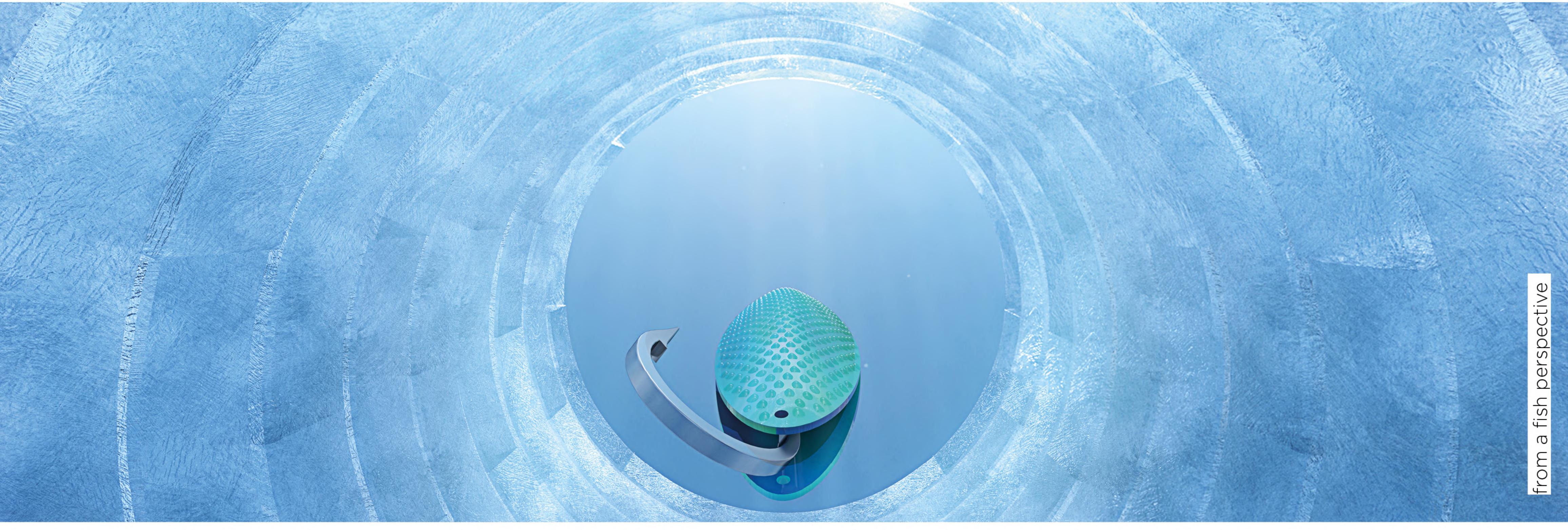




















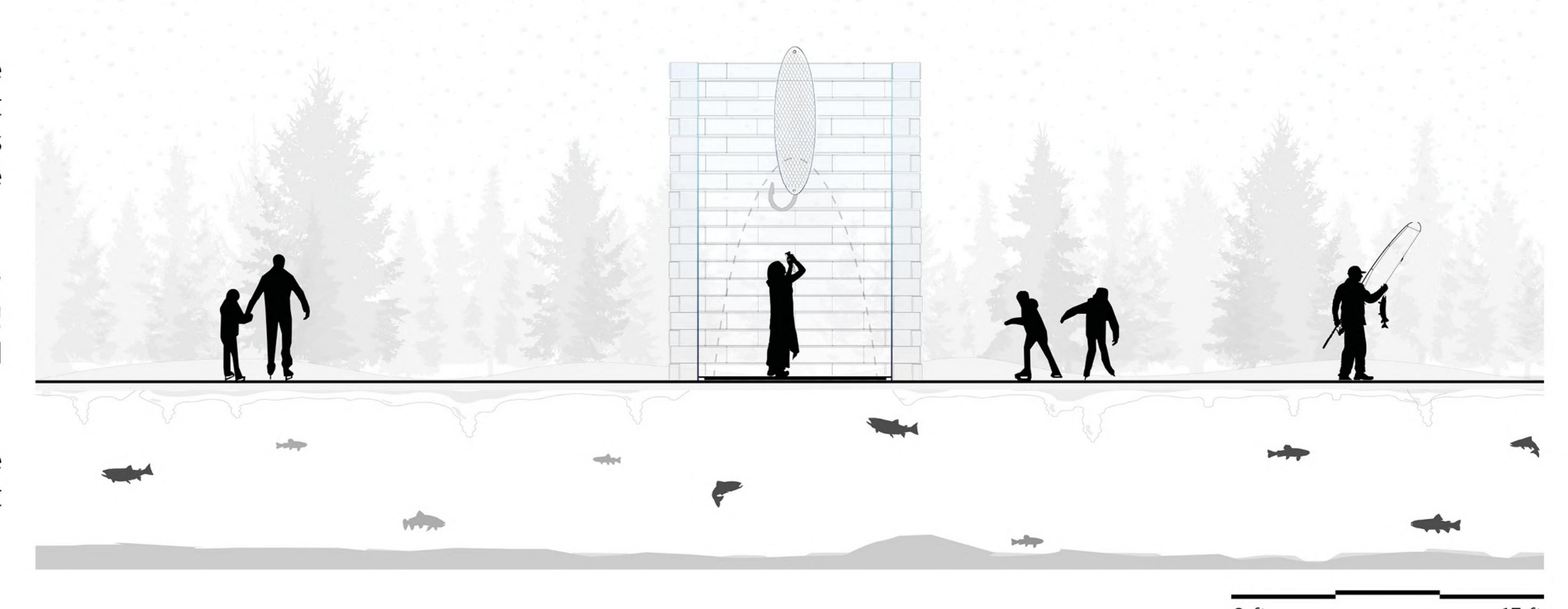


There is something fishy about that hut!

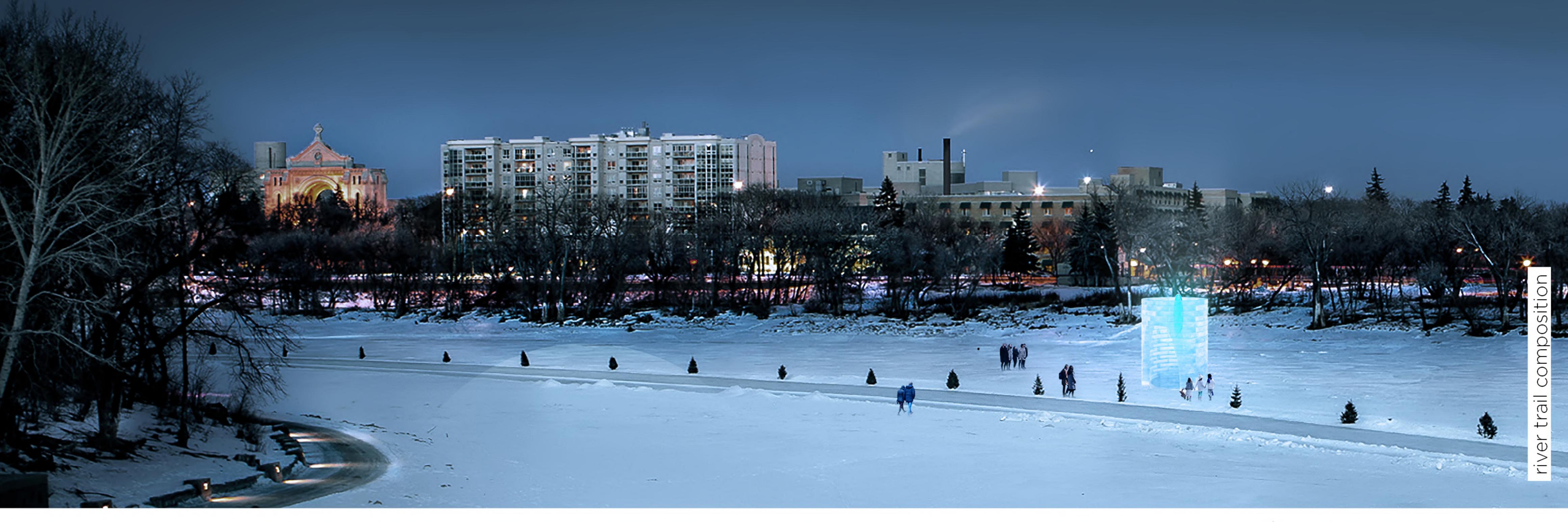
For hundreds of years the confluence of the Assiniboine and Red Rivers have been an important fishing spot, many anglers fished on these waters and it seems like one of them forgot an open hole in the ice with a lure by The Forks.

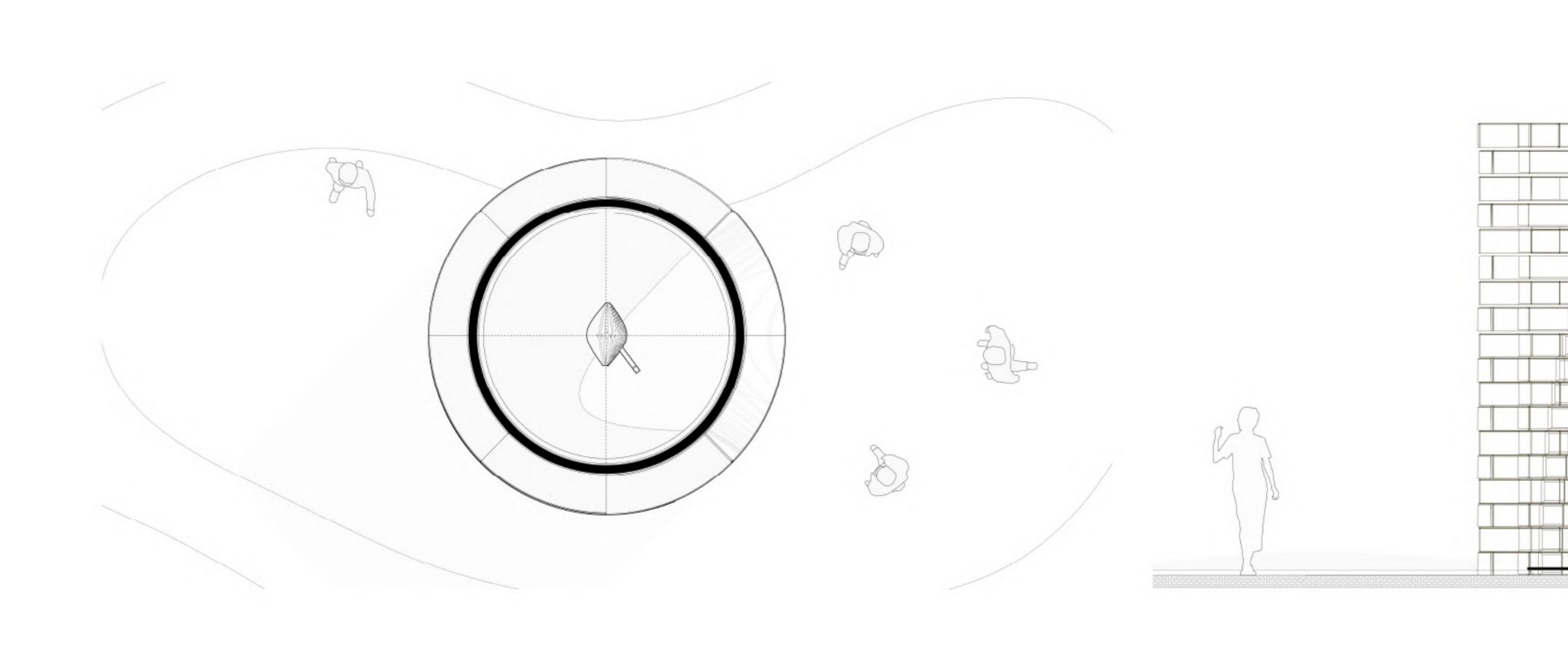
The colorful reflections of the hanging lure now attract both fish and visitors to this warming hut! Making it the perfect spot, for warming hands and staying out of the wind while ice fishing.

When inside, visitors will experience a unique perspective of a fish from under the ice, the sight moments before the catch!











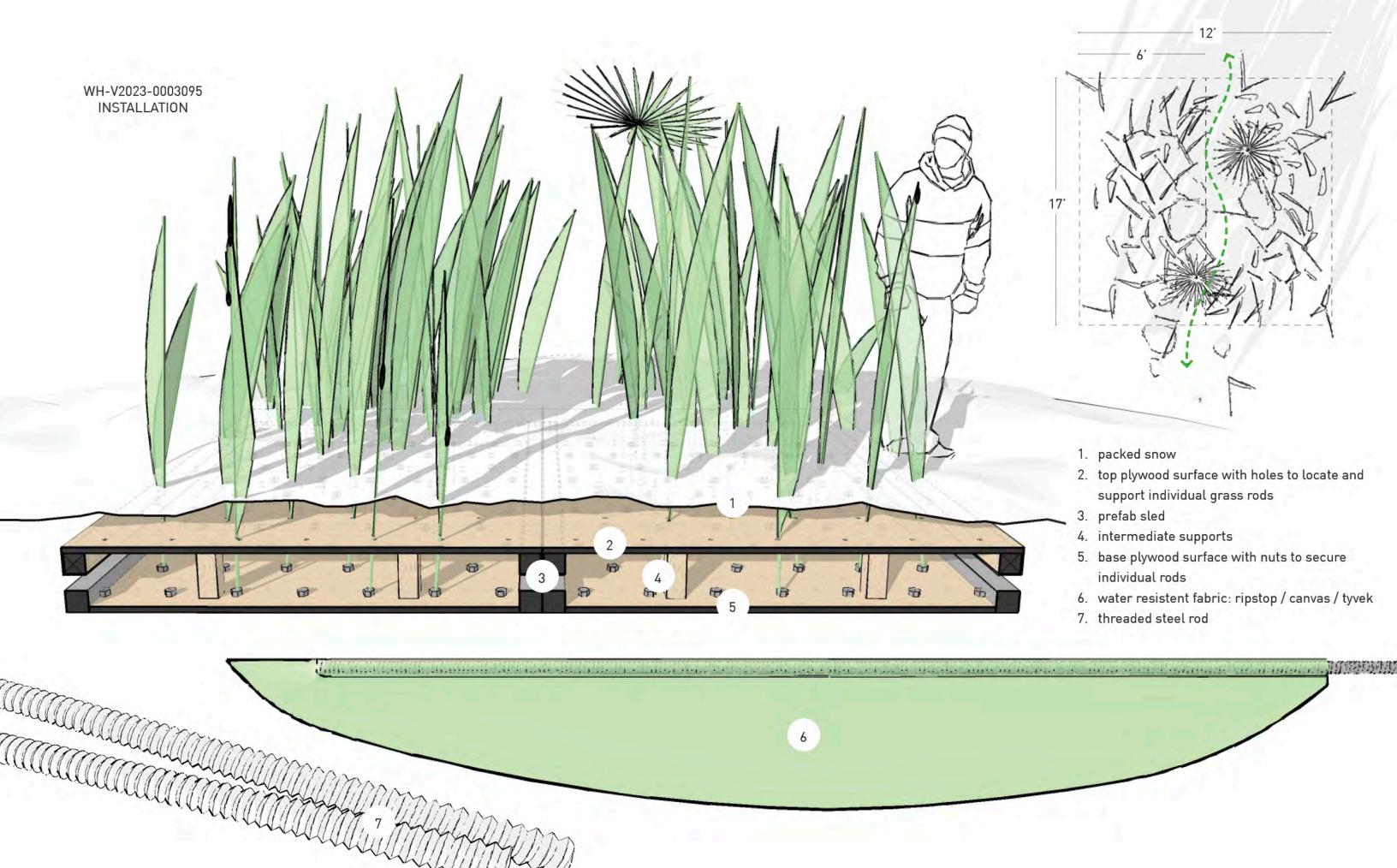
This installation is meant to intrigue (and capture) This hut is the result of the reordination of one of fishing from a completely new perspective. Its riverice walls filter sunlight into different shades of blue, is no time for turning back, you just need to look up.

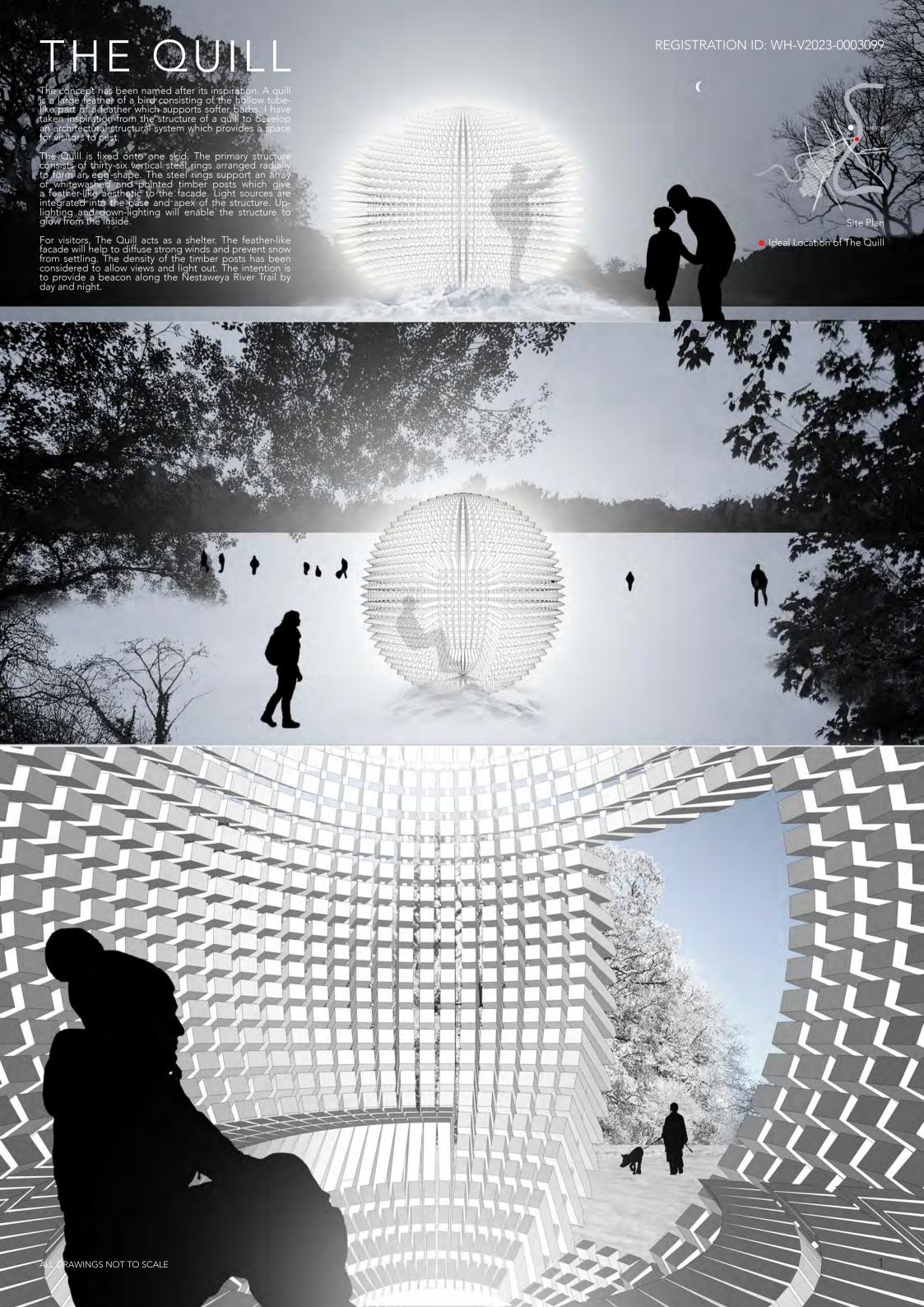
winnipeggers and tourists. An unusual icy extrusion the most abundant and inexpensive resources in sticking out of the river, a fishing hole that was left—the region during winter, ice. The ice harvested from open and now invites visitors to experience ice- the river will be strategically stacked in a cylindrical shape 15 feet tall and with a 10 feet base diameter. A lightweight metallic lure is wrapped in a colorful naturally creating an unique underwater feeling. In dichroic film to reflect the surroundings and will be its center a shiny object that visitors partially see positioned hanging in its center, securely locked 10 from far, so they approach to take a closer look... a feet high by two transparent polycarbonate beams bait! Once you are inside the 15 feet ice walls there embedded onto the ice sculpture. During the night, the installation turns into an ice lantern in order to raise awareness and remind the community about the importance of marking open holes in the ice; and during the day its fish-scales colors will produce a colorful and unique visual experience.

1. river harvested ice blocks / 2. dichroic film over curved metallic bait / 3. pine wood 2x4' deck.

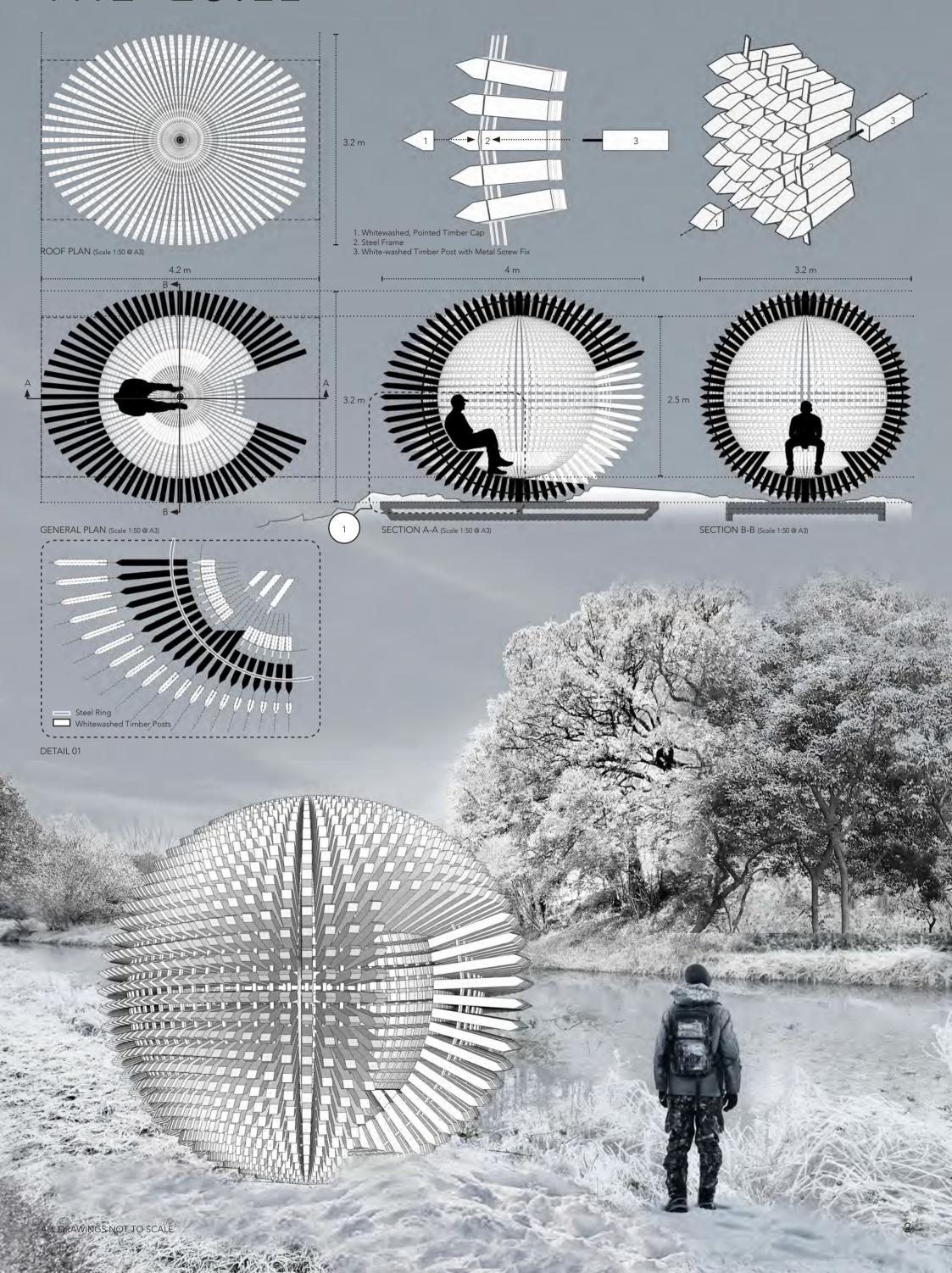
Presence and landmarking







THE QUILL

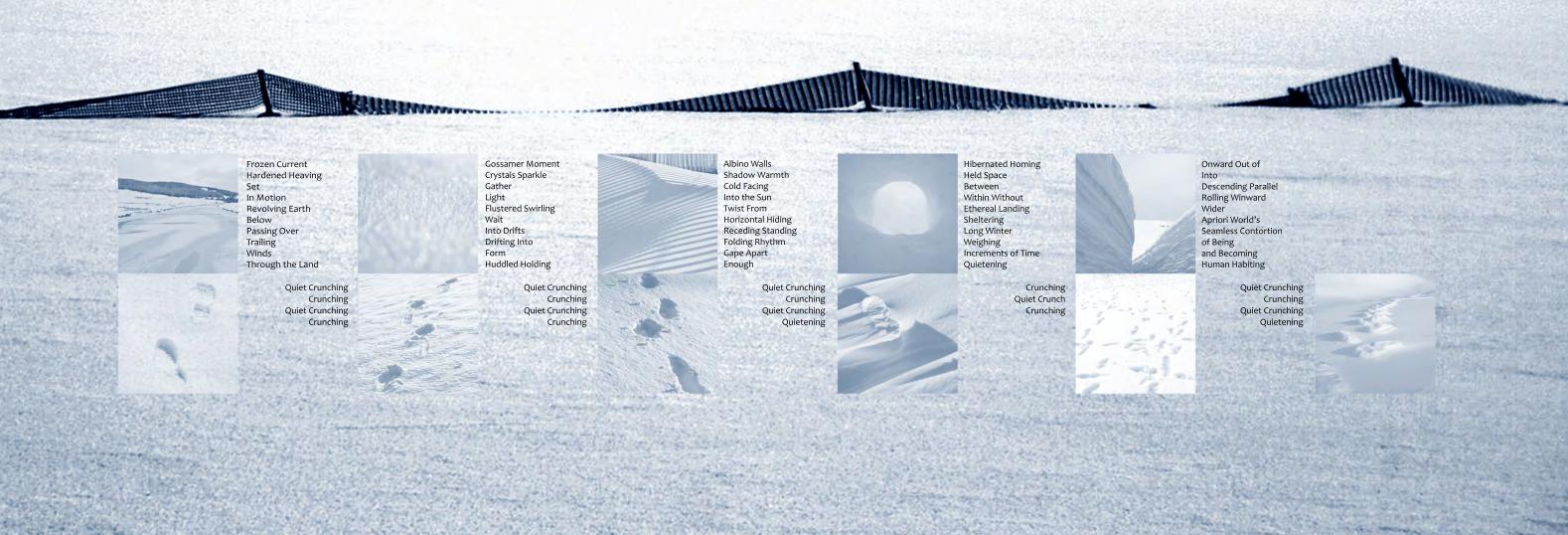


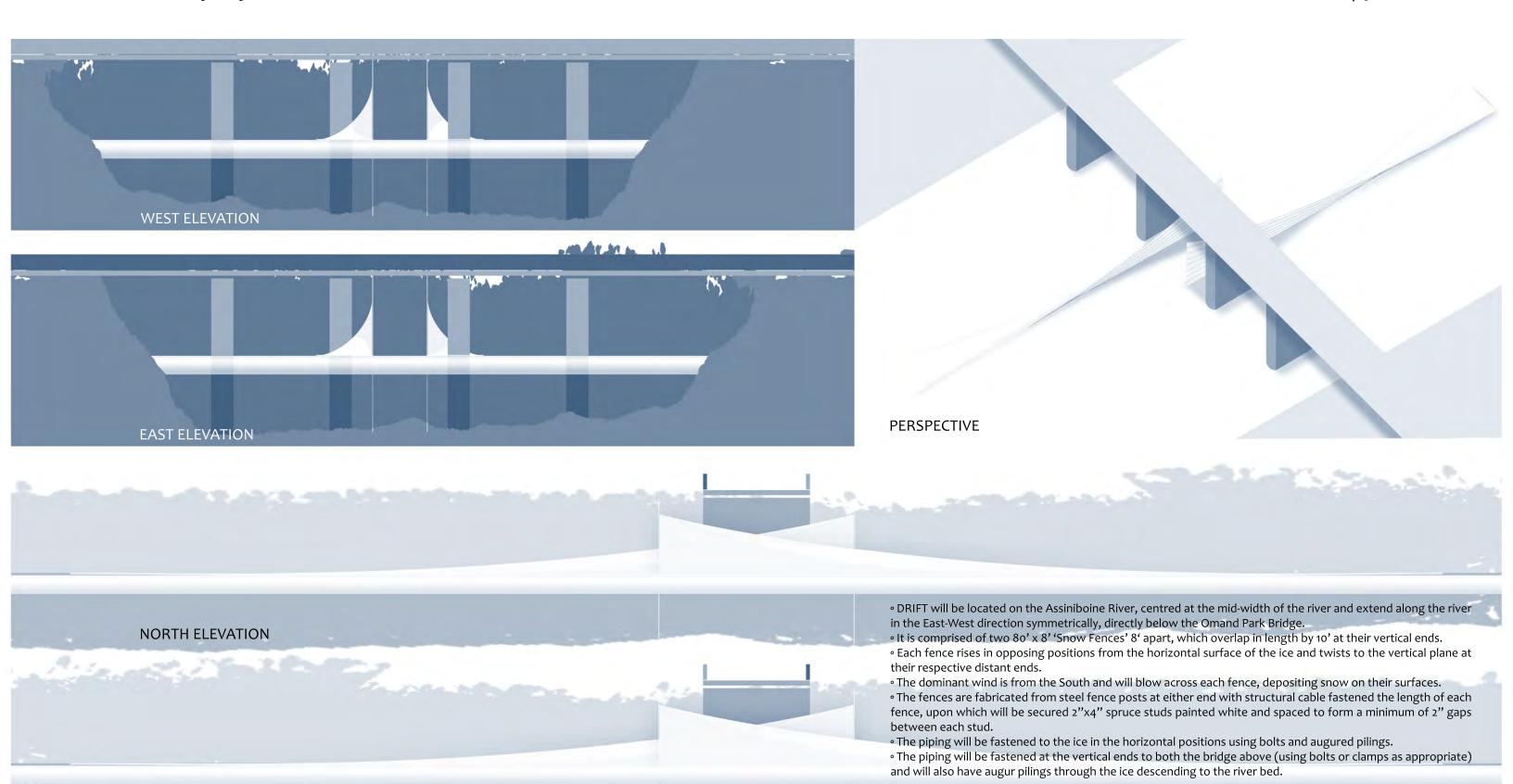
Project Summary

Concept of Proposal and Intended Experience for Visitors

DRIFT

DRIFT accentuates gentle snow bank formation on the frozen river, and creates an immersive space between two drifts for protection from the southerly wind. Walkers approach DRIFT and perceive a white surface, slowly rising from the horizontal plane of the river ice, which twists toward a vertical distant end point. Beneath the Omand Bridge a second white surface begins vertically and descends away from the visitor back to the horizontal plane of the river ice. DRIFT is derived from the sculptural formations in the winter prairie landscape where snow fencing has played catch with the wind and snow.





Warming Huts The Unbounded Cabin

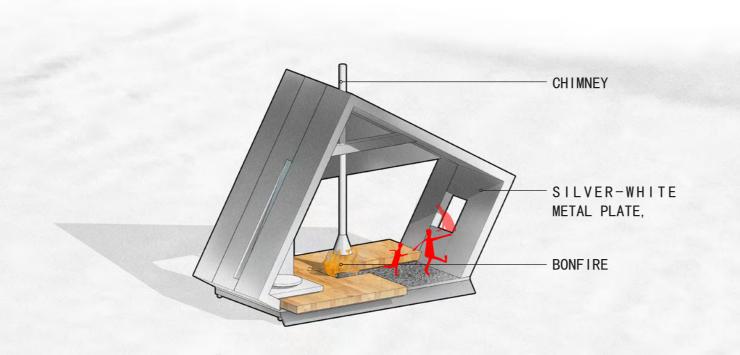
Registration ID: WH-V2023-0003104

The rectangular block is placed on the skid and suspended on the snow, forming an irregular space inside.

The outer frame material is made of silverwhite metal plate, which reflects the surrounding environment during the day and blends with the snow, and at night reflects the gorgeous night sky in winter. The boundary of the hut disappears, leaving only the warm firelight under the roof. "Light" redefines the boundaries of the cabin

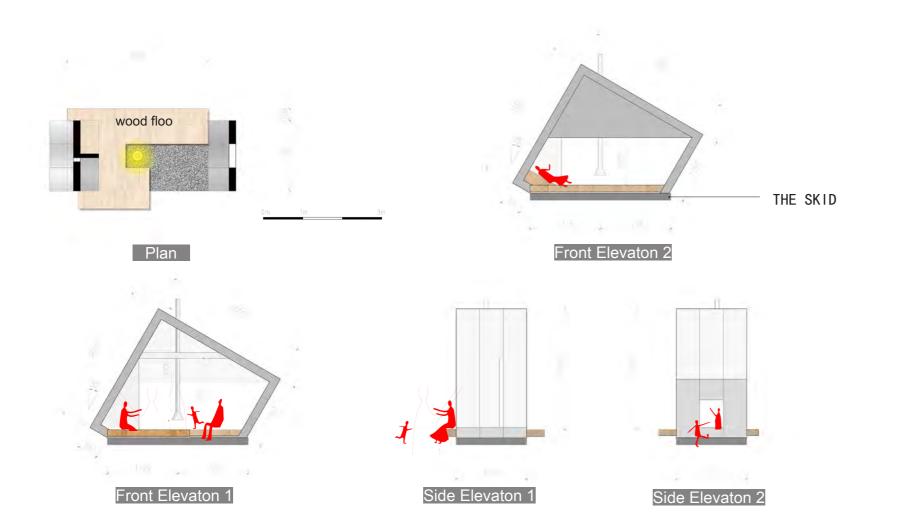
The hut is designed with a horizontal structure combined with a vertical chimney. One of the window openings on the side of the hut looks into the sky, and the other can interact with the snow outside. We hope this cottage design is fun, modern and has the warmth of a snowy winter.















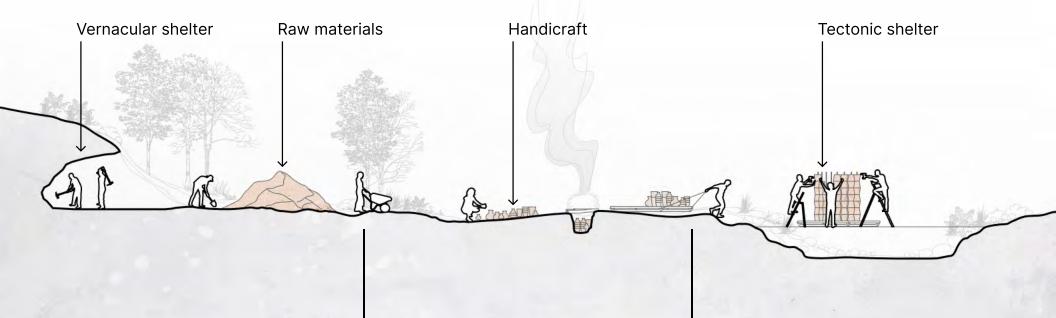
Earthen Hut

Terracotta warmth against the freezing winter

Humanity has always sought refuge and comfort in earth's depths. By digging its protective warmth, human beings all around the world have shaped the earth into caves and shelters; by firing what they've extracted, people have transformed clay into utensils and pottery; by mixing minerals and oils they've gathered, people have created paintings and pictographs.

The power of creation related to earth processes is as astonishing as its colour palette; chestnut, sanguine, pale apricot and orangey amber, contrasted with the cold range of winter blues and the shimmering of white snow, are proof that earth's warmth is a multisensorial call.

Terracotta means fired-earth, it is that cozy fire that surrounds the hut space. The textures, colours and smells of terracotta pots welcome those who seek warmth within of a central gathering space, heated by tealights suspended in clay stalactites and confined by a spiral wall of planters. A terracotta landmark in the Winnipeg winter landspace.



1. Excavation

Dig the earth to seek refuge from environmental conditions and extract raw materials.

2. Creation

Transform into tools, utensils and artworks raw materials by shaping and firing them.

3. Construction

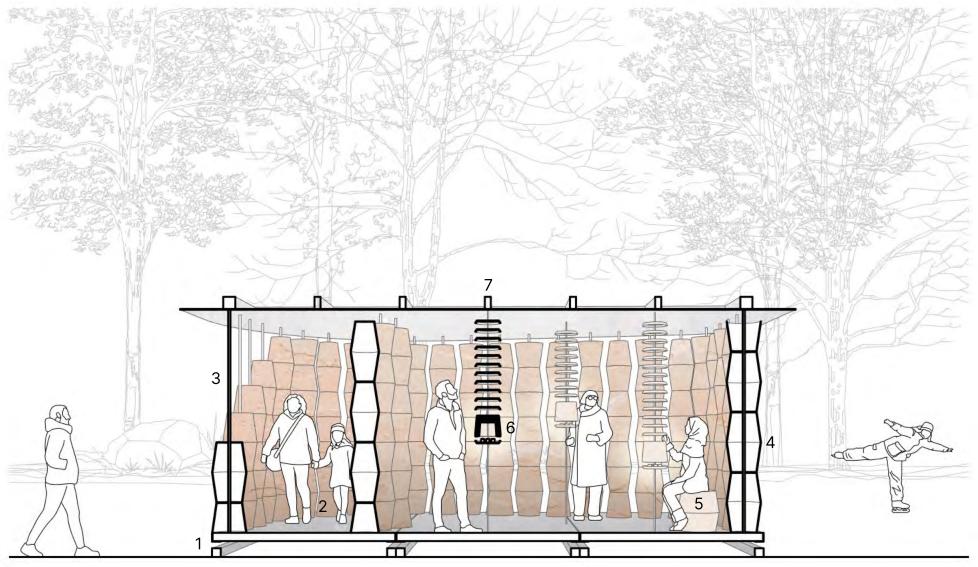
Build shelter using refined objects produced from earth and fire.

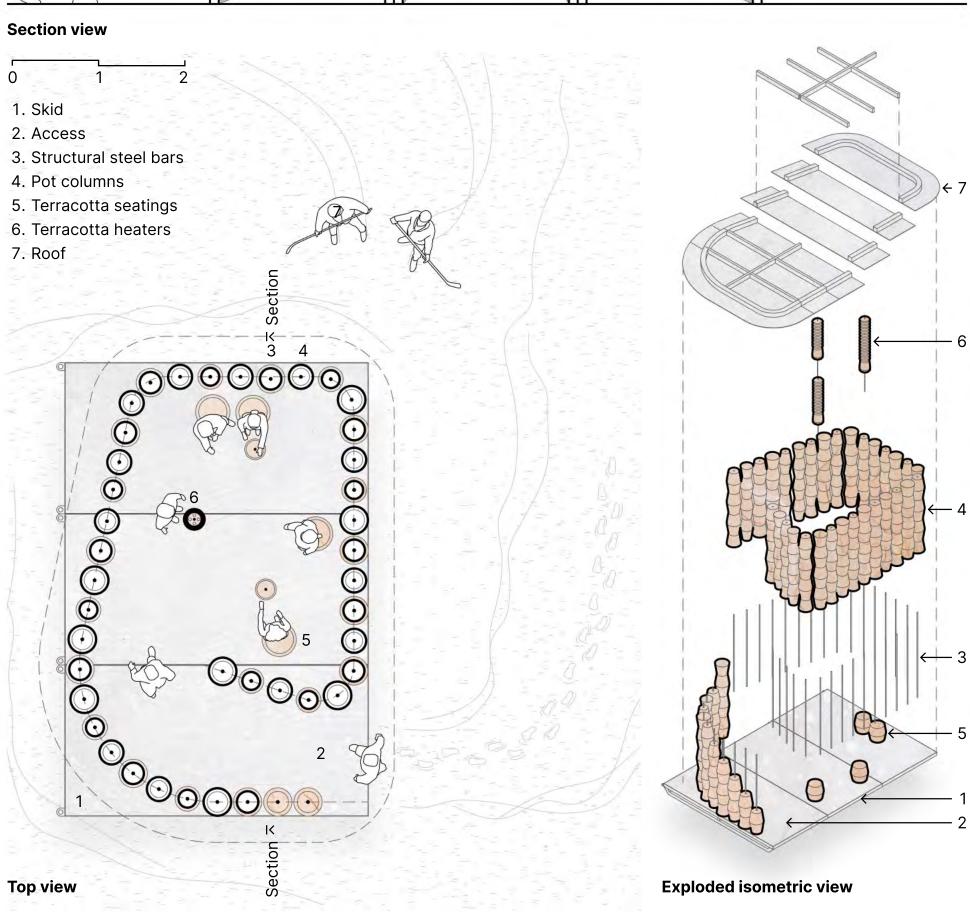


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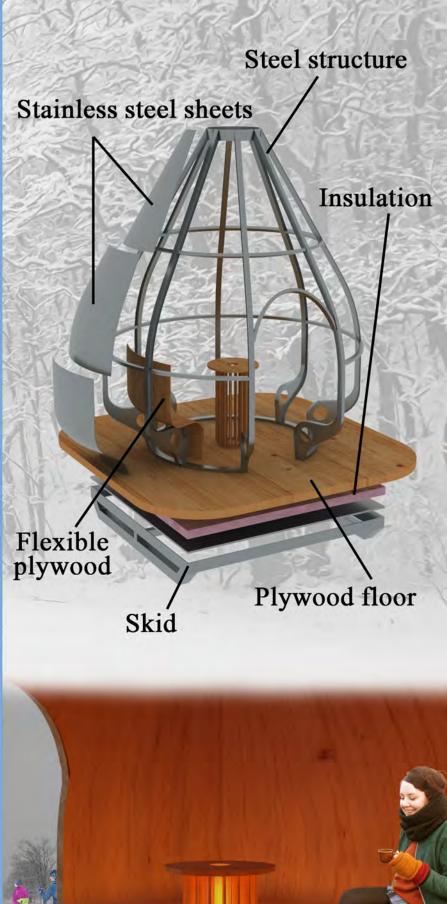
Capsule-Cave

The design of the hut mimics the symbolism of the cave as a warm shelter, the outer skin of the hut consists of stainless steel sheets painted in blue, a cold color that gives the impression of cold as surrounding snow which reflecting off its surface. By contrast, the interior of the hut is lined with wood which gives sense of warmth, and unlike the stainless steel absorbs the light. In the center of the hut there is a table contains orange light which diffuses to give a warm atmosphere to the interior with the wood color. The table and how the seating circled around it simulates the fire, although it has a psychological rather than a physical effect, but anyway the body of the hut is thermally insulated.

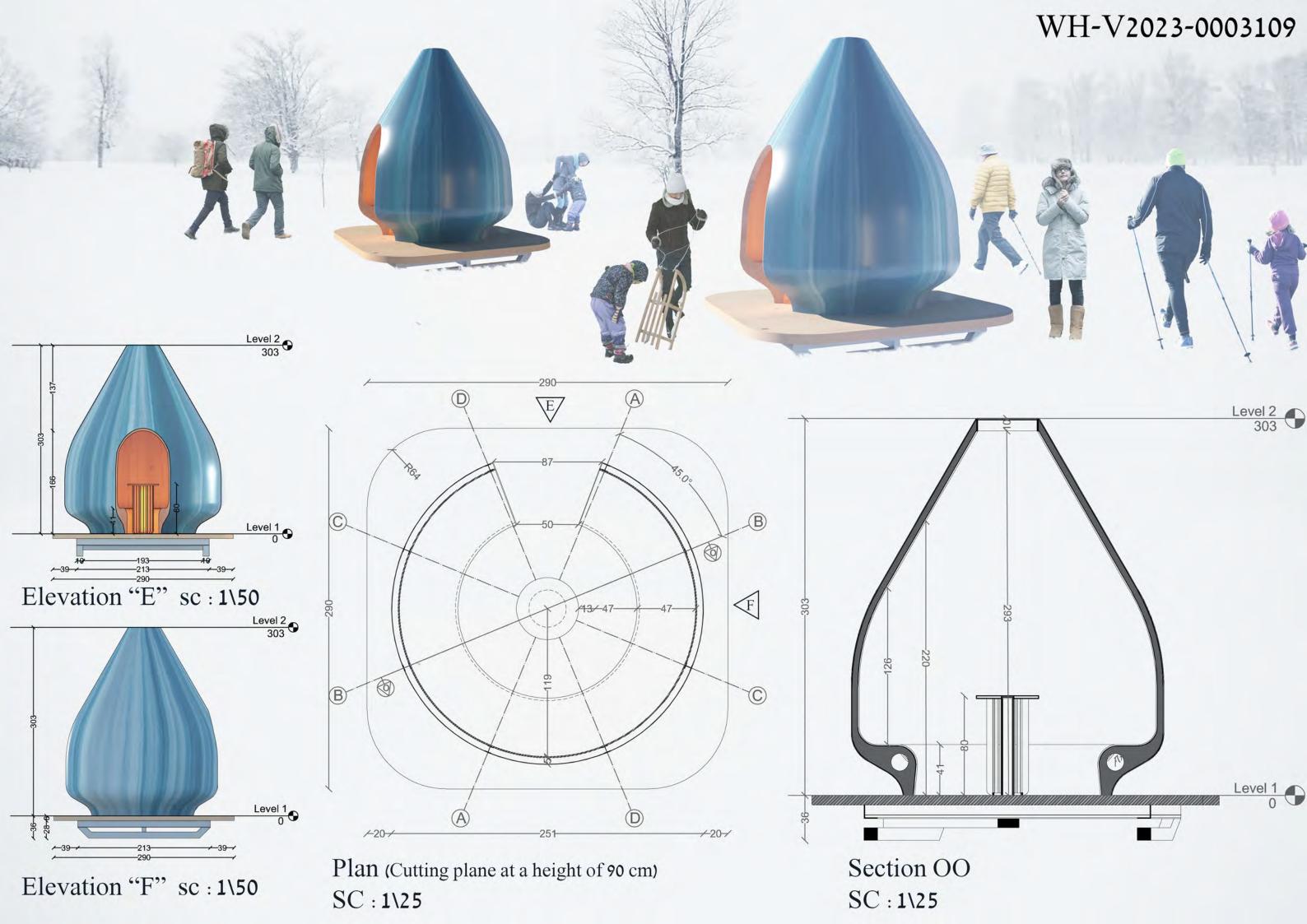
The inside of the hut is not completely separated from the outside, as the door opening frames the exterior view of the snow and outdoor activities, as such the glazed oculus in the top of the hut gives a brief view of the condition of the sky.



WH-V2023-0003109



Interior view of the hut





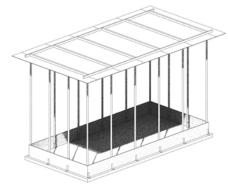
hayspace

is a small shelter made of hay and string and metal and wood, its sculptural form, derived from the wrapping of twine around hay around a structural frame, recalls the cylindrical haybales which dot the prairie landscape, the columns are spaced far enough apart to allow the visitor to step inside, but are spaced close enough together to allow the visitor to softly brush their shoulder against the hay as they enter, a stray piece of straw might come loose from the column, falling down to the floor, are the hay columns emerging from the loose hay below or is the hay floor spilling out from the tightly wound hay above? once inside, the visitor takes a small step down into a soft basin of loose hay, while sitting amongst the soft hay, they might pause to breathe in its smell, notice the light playing upon the wrapped columns, or glimpse their own relflection in the ceiling.

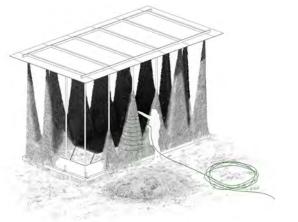
this a space of warmth and play and relaxation.



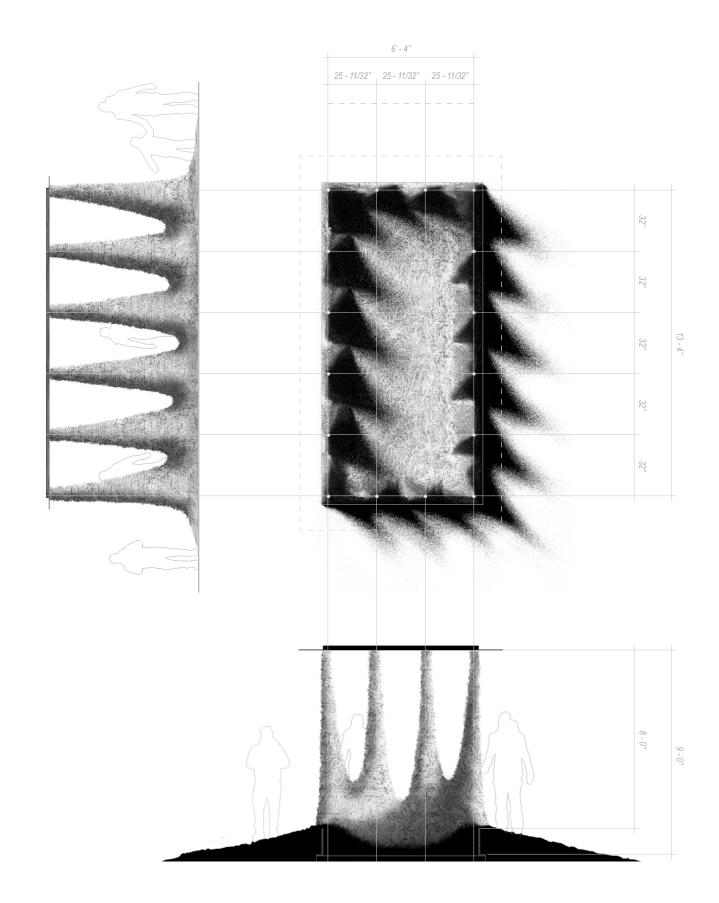
HSS Columns on Sled



Bounding Box, Upstand HSS Beams, Polished Aluminum Ceiling



Twine-Wrapped Hay





Project Summary

We all know that traditional buildings, contrary to most of today's buildings, were not in conflict with natural conditions, but by using these conditions, they were in a logical coexistence and productivity in the heart of nature. In the design of this warming hut, we used the combination of non-living windbreak with wicker texture and greenhouse phenomenon, which we will explain in detail below:

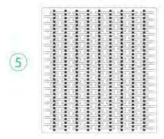
Concept Description



- 1 Wooden Frame
- 2 Clear Polycarbonate Plastic
- 3 By creating an angle, the level of heat accumulation in the upper part decreases



4 - The zone of enterapment and slow flow of air



5 - The wooden outer layer with a wicker texture prevents strong wind from entering the warm hut

Inner Layer

- * One of the main factors in the thermal efficiency of a greenhouse is its ability to trap air so that it helps prevent energy loss through heat transfer.
- * The central greenhouse space acts as a one-way duct. The glass allows the sunlight to enter, but prevents the exit of a large part of the heat that is trying to escape.

Middle Layer

* Air has the lowest thermal coefficient and is always flowing in this section

Outer Layer

- * The material of the wicker pieces forming the outer layer is wood, which are considered thermal insulation
- * This type of windbreaker is used in limited protection levels
- * In addition to controlling wind erosion, windbreakers are used to control snow in areas where the movement of snow into the space causes disturbances.
- * It is portable.
- * The windbreaker is semi-permeable, which prevents tornadoes around the hut.





Visual Aesthetics

* Using yellow color in the outer layer:

- It increases awareness
- It increases energy
- It increases communication, activity and interaction

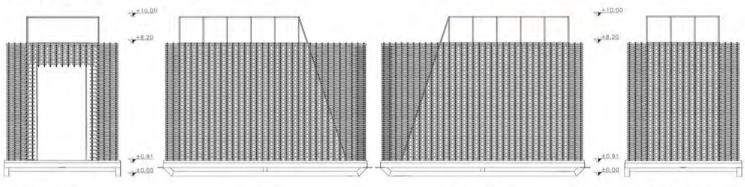
* Reflection:

the placement of the mirror in the parts under the roof of the hut is effective in the mind of the people and the reflection of the image of the warm hut in it can be used by photographers.

* Photography and social media:

the simple and repetitive rhythm of the outer layer can have a beautiful background in the composition of photos and give meaning and depth to the photos.









Völuspá

Gimli, a tiny town of 2,000, is at the heart of 'New Iceland' in Canada, a region that boasts the most Icelanders outside of Iceland. Located about an hour north of Winnipeg, the town was founded by Icelandic immigrants in the late 19th Century.

In the Norse mythological text the Völuspá, Gimlé is a pagan heaven, a golden-roofed hall where the survivors of Ragnarök. Heaven is what the land now known as Gimli must have seemed like when they arrived at Willow Point, on 21 October 1875. As visitors approach the hut, the in scripted text from Völuspá echo and tell the story of Gimli;

Sal sér hon standa sólu fegra, gulli þakðan á Gimléi; þar skulu dyggvar dróttir byggja ok um aldrdaga ynðis njóta.

More fair than the sun, a hall I see, roofed with gold, on Gimle it stands; there shall the righteous rulers dwell, and happiness ever there shall they have.

– from the Völuspá, a Nordic epic myth

The warm gold zinc facade echo the myth taking visitors in to the hut to share the warmth of the fire. The Völuspá warming hutcelebrates norse mythology and the ancestry of Gimli through the creation of a golden hut where passers-by can share their stories.

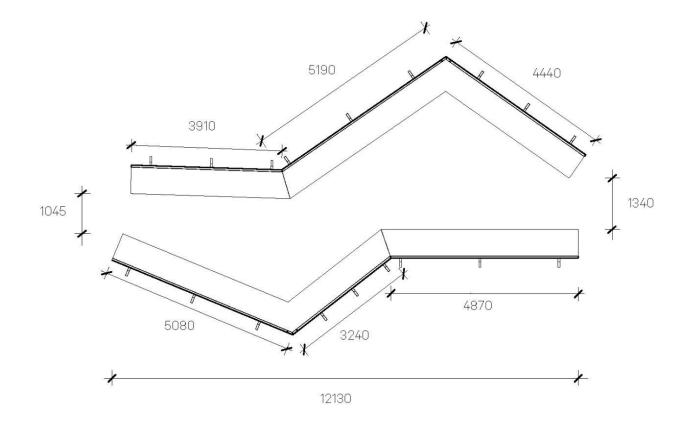




Perspective section

Green Trail

Green Trail Invites everyone to experience a small version of Nestaweya River Trail with a slanted green wall. Visitors can get warm to avoid the cold winds as they walk inside. As soon as people go inside, they will soon find out that these are all green over the white background and relax against the wall.



scale 1:100 Unit mm



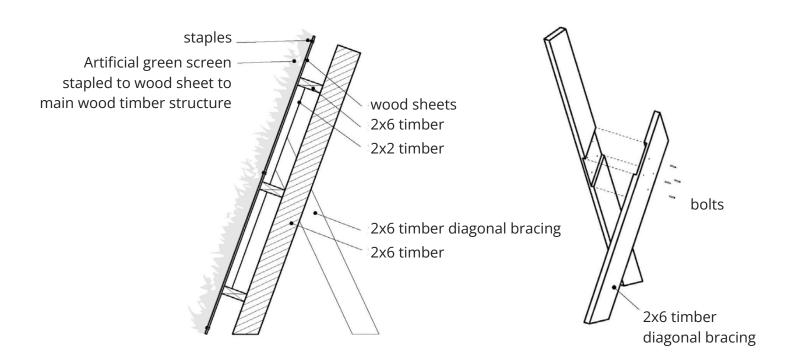
Green Trail

Green Trail is a simple wood timber structure with the diagonal bracing consisting of 2x2, 2x6 timbers and artificial green screen.













Dear Hotpot

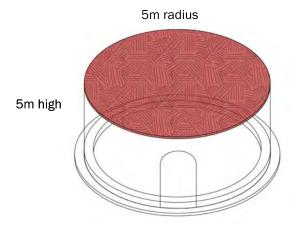
My dearest Hotpot, thank you for the warmest food. How are you? We have not seen each other for a long time since last winter. Every winter you are a medium between my wife and the food to send the warmth to my family and I, thank you.

Each dish of food was prepared by my wife with warmth. After you cook, the warmth is sent to us by using a pair of chopsticks and a ladle. While my whole family is standing around you, you are the medium to connect all of us, thank you.

Thank you for the warmth in the past winter, we are looking forward to seeing you in the coming winter and sending more love and warmth to all of the people in Winnipeg.

Your best friend, Andrew

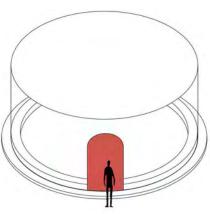




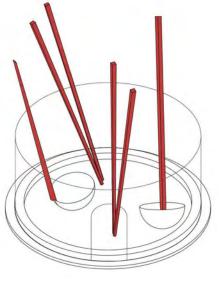
Translucent roof of the warming hut with a water wave pattern to cast shadow which acts as a broth.



Seating benches encourage visitors to share warmth when they can stay for a while.



Translucent envelope with an opening access.



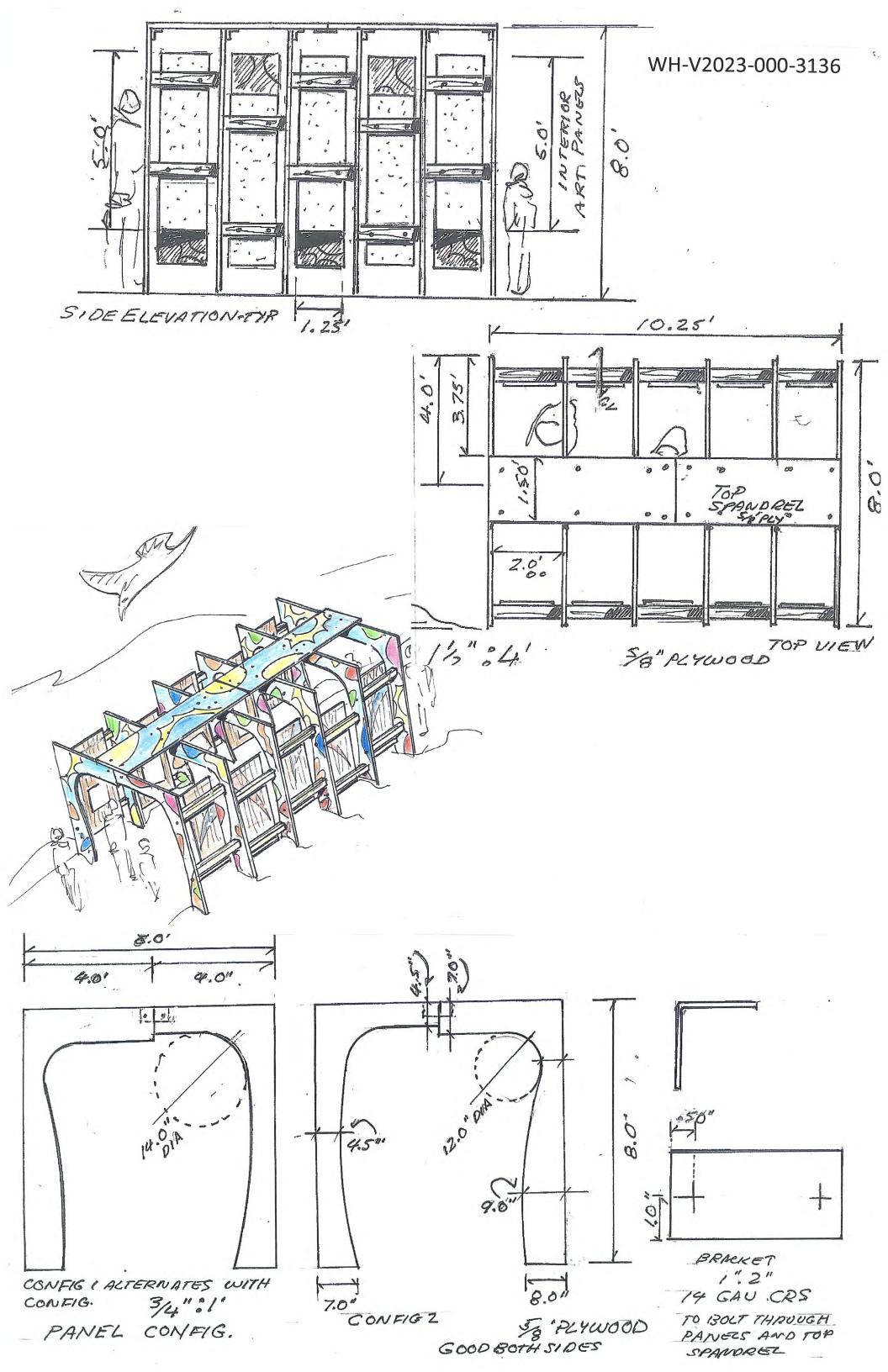
Chopsticks and Ladle are structural parts.



Urban Spirit is conceived as an immersive experience, bringing together the work of Indigenous and urban street artists exploring themes of resiliency and resistance in a colourful and compelling structure. As one walks through the structure, one is totally surrounded by this artwork in a way that compels observation of both the symbolism and vibrancy of the images. Urban Spirit serves as a focal point and, through its colour, creates a vivid contrast to the surrounding winter landscape. The installation is constructed of 5/8" 4' x 8' plywood panels joined onsite with 2"X2" wood spandrels, durable and easily demountable for storage. The accompanying illustrations show a demonstration graphic treatment only. It is intended that the artists involved in the project would have the freedom to create their own cooperative vision. Urban Spirit also provides a windbreak for people walking through the installation. The structure would be solidly staked to the ground in strategic locations to minimize the chance of movement.









"Woodlet" is a playful art installation in which two worlds come together: local nature and indigenous culture.

It's a wind shelter in the form of an abstract representation of local tree - balsam fir, which is combined with an ornamental reference to the craftsmanship of the indigenous people - pixelated patterns made of beads and fabric.

The project assumes min 2-3 "trees" to create a modular landscape, that trail users could interact with in various ways. The main function is sheltering protection from cold winds, where users could hide and rest between "the branches".

On the other hand, installation, modular character gives a lot of flexibility and could be arranged in multiple ways. "Trees" compositions could create semi-open or more enclosed spaces: meandering paths, hideouts or campfire zones. It creates opportunity for a peekaboo playground for children, a meeting place or simply, a worthy selfie artistic landmark.

Pixelated color patterns, made from painted plywood shingles, could be a great opportunity to enhance local community participation. Final pattern could be chosen by community voting from prepared options or co-created together during social workshops.

WH-V2023-0003137

Nature



Abstract, formal representation of the local tree-Balsam Fir made from plywood sheets assembled using wood joinery.



Wind shelter



Two sides of "tree branches" creates wind protector. Cozy corner shelter, to rest between them and hide from the coldwind.



Indigenous craft



Structure is covered in painted plywood shingles which refer to raditional, native American beaded or sewn artwork and craft.



Modularity



be combined with a minimum 2-3 modules that could be arranged in a multiple ways to create various spatial experiences for kids and adults.

The project will



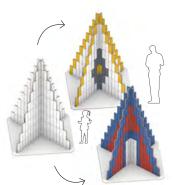
Participation



The final colour motif, based on native craft, could be co-created or chosen by voting with the participation of the local community.







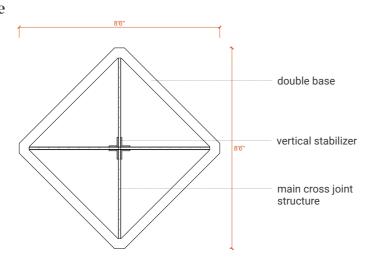


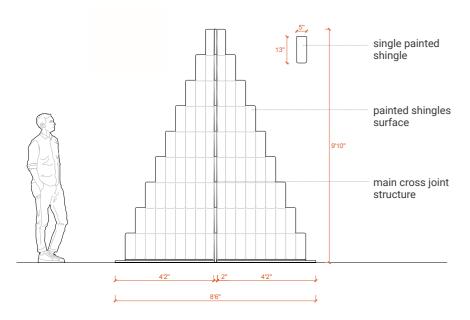






Plan & facade





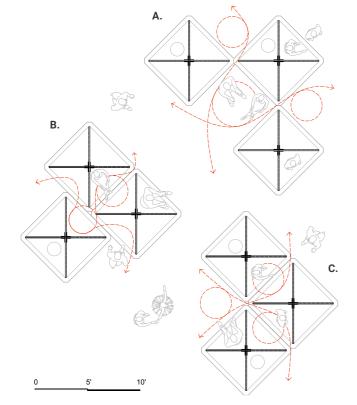




Adaptability

There are multiple options for modules compositions, depending from the desired spatial character and amount of inner or semi-open spaces.

- **A.** Campfire pattern: with possible bonfire location and larger semi-open spaces
- **B.** Path pattern: presented also in perspective views with meandering path and one inner shelter.
- **C**. Grid pattern: with two inner shelters and one bigger semi-open space



Materials & assembly

The project has a fully plywood flat-pack structure that makes it easier to transport prefabricated elements on sleds and assemble them on site. All sharp corners are fillet for safety and durability.

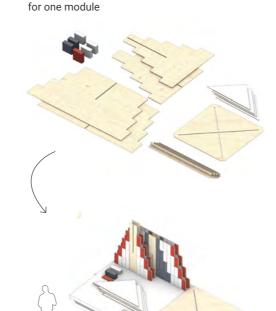
Main cross structure: one layer of 1 1/16" or two glued layers of 5/8" waterproof plywood. Assembled using wood joinery.

Base: two layers of 3/4" waterproof plywood painted white.

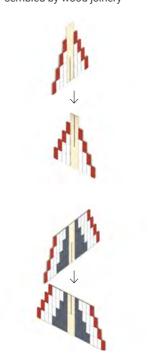
Shingle: 1/8" thick waterproof plywood, 13"x 5"painted

Stabilizer: waterproof plywood L profiles 1/2" thick

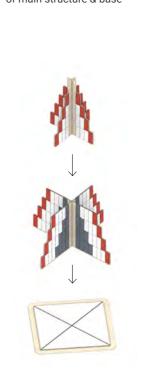




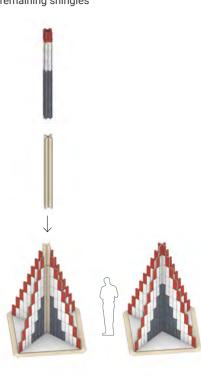
2. Main cross structrure assembled by wood joinery



3. Tongue - groove joint of main structure & base



4. Vertical stabilizer covered with remaining shingles







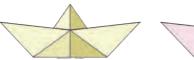
Paper Boat

an art installation resembling a miniature folded paper boat we all know from our childhood - blown up to human size and placed onto of the ice like a origami paper shape creating a shelter space.

The paper boat is walkable with one respective opening on each side. The winds and the visitors can pass through the object within this surreal visual experience.

It is made of an easy to fabricate lightweight metal construction and attached sailing cloth. Several paper boats in different colours can be placed on the ice in the frozen landscape surroundings creating a visual assembly installation.

The design and construction stems from the context of concrete art and minimalism comprising the reduction to the maximum to attain aesthetic essence.

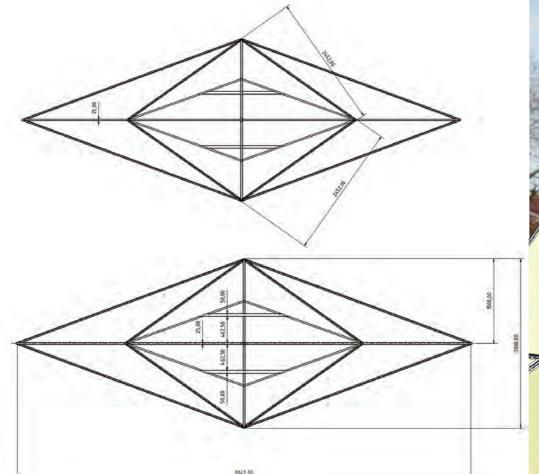


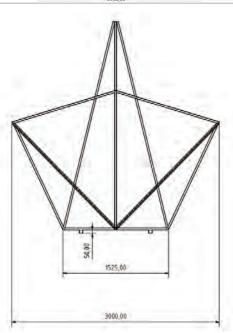












MATERIAL

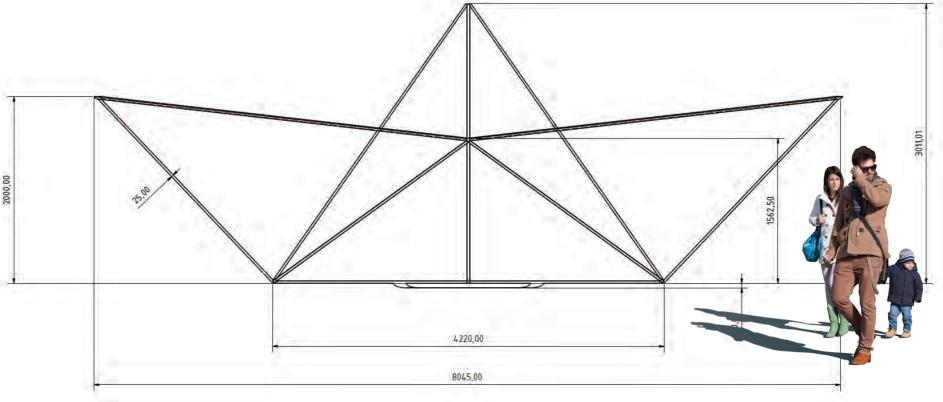
- rustfree steel or aluminium soldered frame construction with metal rings.
 PVC tarpaulin with eyelets fixed with nylon cord
 tarpaulin to be fixed with nylon cord and metal rings at the frame construction.

DETAILS

- opening for entry into the boat on one oth sides respec-

- tively
 the opening allows strong winds to pass the object.
 hight of ship bows at 2meter to prevent injuries
 depending on production price of one boat, several can be made in different colors.





OPEN HOUSE WH-V2023-0003145

OPEN HOUSE

It begins firstly as a house, a familiar common symbol for shelter. For the event, the house has been fragmented, broken up into a grouping of elements to serve as a new place for pedestrians to gather.

The simple basic elements of the house, the roof, floor, wall, window, door are repurposed into a stage, a lounging platform, benches, and high standing tables; suited for a variety of social gatherings from the intimate to the performative.

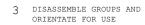
These elements are scattered, prompting pedestrians to explore amongst the puzzle and work with each other to piece the house together again.

The fragments give visitors a new perspective on the potential of adaptive reuse.

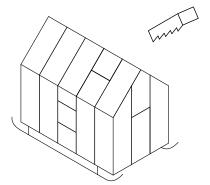
Once the Warming Huts event is over, the fragments can find a new place sitting in public spaces around The Forks.



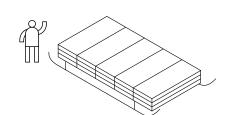
4 AFTER WARMING HUTS, DISTRIBUTE ELEMENTS TO THE COMMUNITY IN

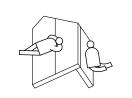


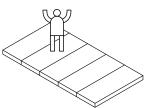




2 LOAD MODULES ONTO SLED TO BE







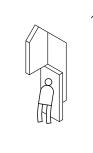
FLOOR AS STAGE

ROOF AS HIGH TABLE

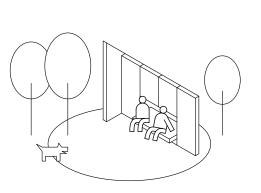
ROOF AS SHELTER



WALL AS BENCH WALL AS HIGH TABLE



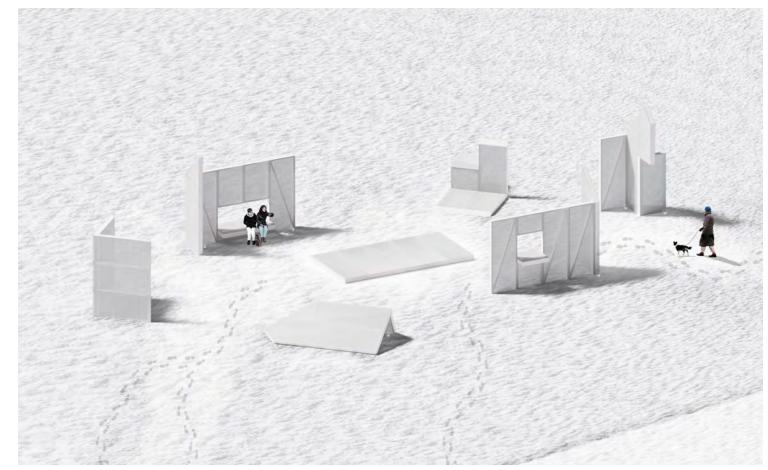
WALL AS ENTRANCE

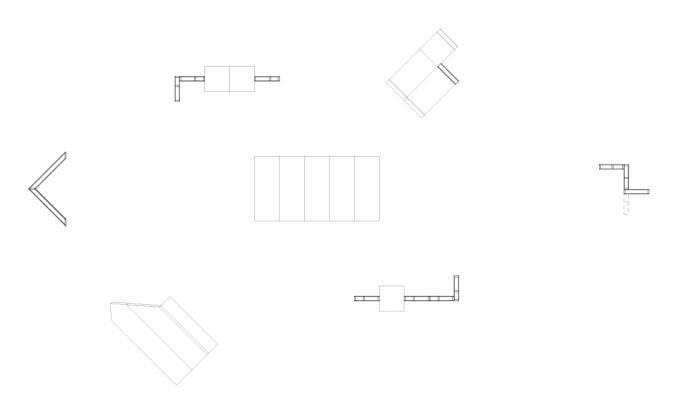


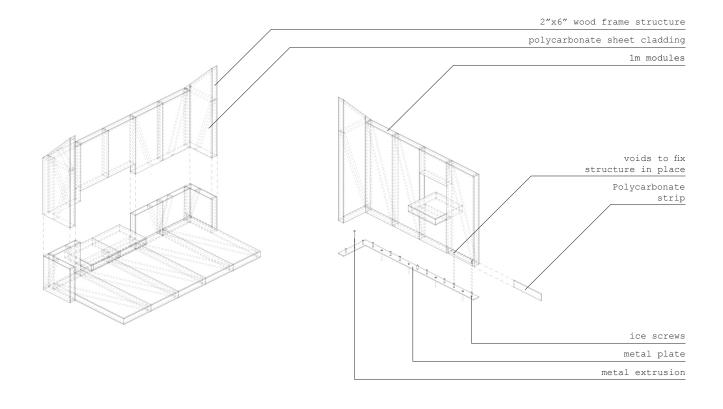
<u>OPEN HOUSE</u>

WH-V2023-0003145





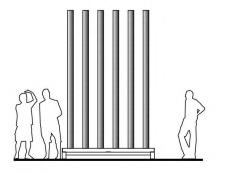




plan construction diagram

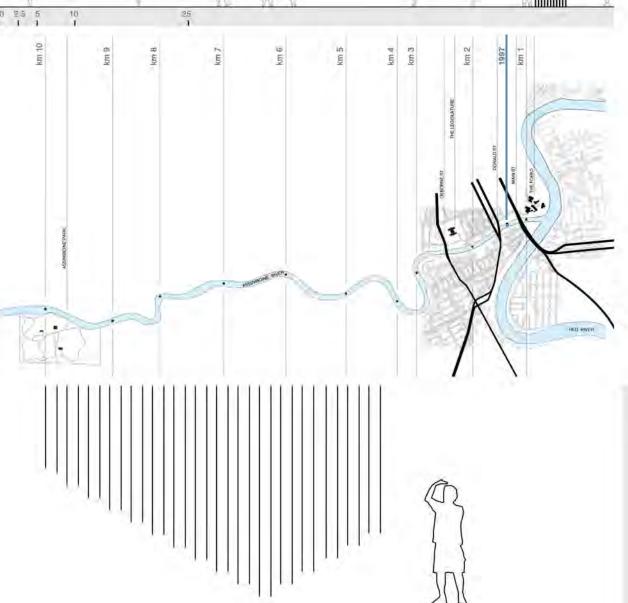
(A)

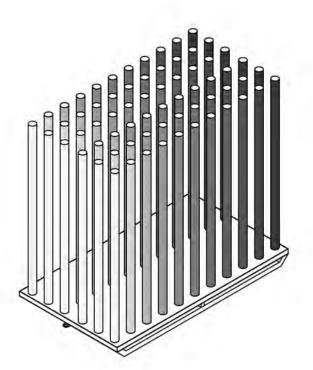
Ø,

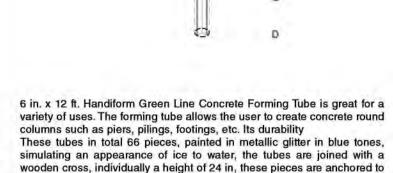




In 1997, the Red River Valley became saturated due to heavy rains in the fall of 1996 and was unable to absorb melt from a long winter. The spring blizzard added to the problems and one of the worst floods in the city's history. On April 5, 1997, the storm fell 19 inches over Winnipeg and up to 20 inches elsewhere. After about a week of February-like cold, milder spring temperatures returned. The snow turned wet and heavy, snapping power lines and sinking the roof of the Sears warehouse in Winnipeg. As the Red River overflowed its banks and spread through the Red River Valley, the water began to engulf roads and fields. People in southern Manitoba were ready to greet the sun and see brown earth when the melt finally hit in late March. It was then that Mother Nature closed her fingers into a fist and struck another blow. The Red River always swells in the spring as it flows north with the melting ice, gathering meltwater from tributaries along its 550-mile route from Wahpeton through downtown Fargo, Grand Forks and Winnipeg, before emptying into Lake Winnipeg. In 1997, the river became a beast and its shallow banks could not contain the torrent. Neighbors worked with neighbors, desperately shoveling sand out of houses, pumping out basements, and moving belongings onto rooftops. "It was a tremendous experience," said Ritchot's former RM mayor Stefaniuk. "I hated to see people lose their homes, but I was shocked at how much they would go to protect their homes and belongings. "And then seeing their anguish when they lost it, that was hard. But the human spirit is very, very strong." Chronicles of CBC News. We want to honor those people and families who lost everything, those people who never lowered their arms and fought to keep their homes, these tubes represent the height of the waters and the strength of the city that remained standing and recovered with the passing of the years, we invite you to think and reflect as a people, that in difficult times there is always a light at the end.

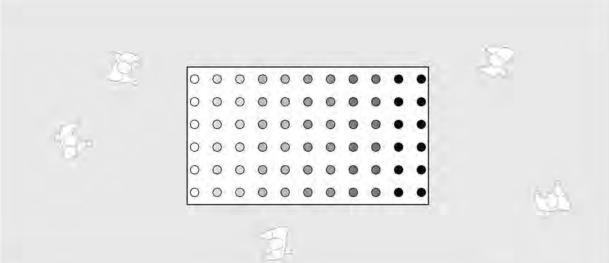


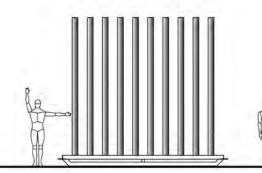




A - PVC cover, B - 6 in. x 12 ft. Handiform Green Line Concrete Forming Tube, C - Vertical cross-shaped wooden structure, D - Main frame.

a frame base of wood throughout the platform.









NEST is a shelter which proposes a playful space to serve visitors as a lap to take refuge.

Warmth, tenderness and a hug in the snow.

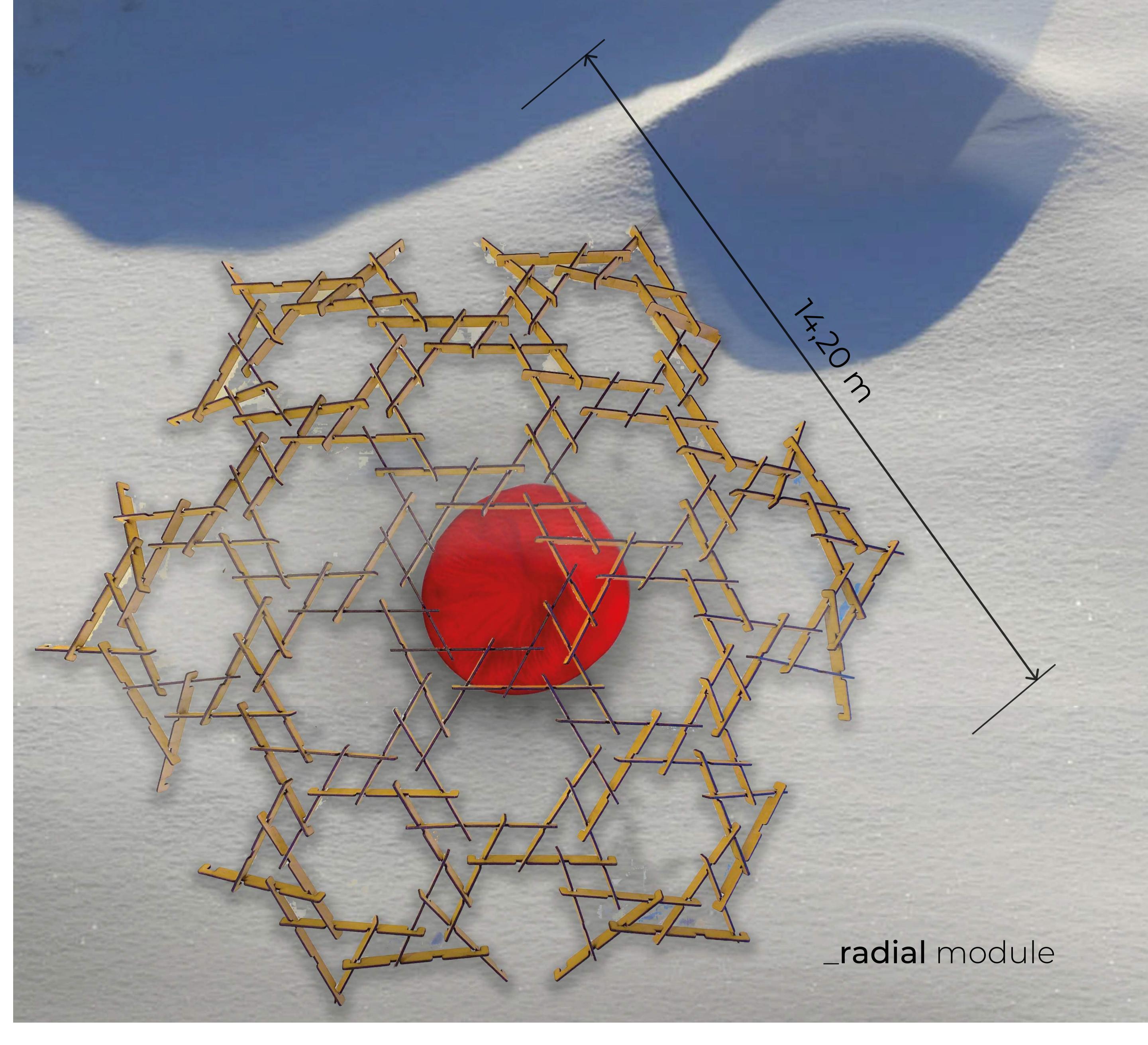
Like a nest in nature, its exterior is rigid to protect and interior is soft, to welcome.

NEST seeks to be the space that visitors imagine to warm themselves, a place displaced in time and in the cold space outside.

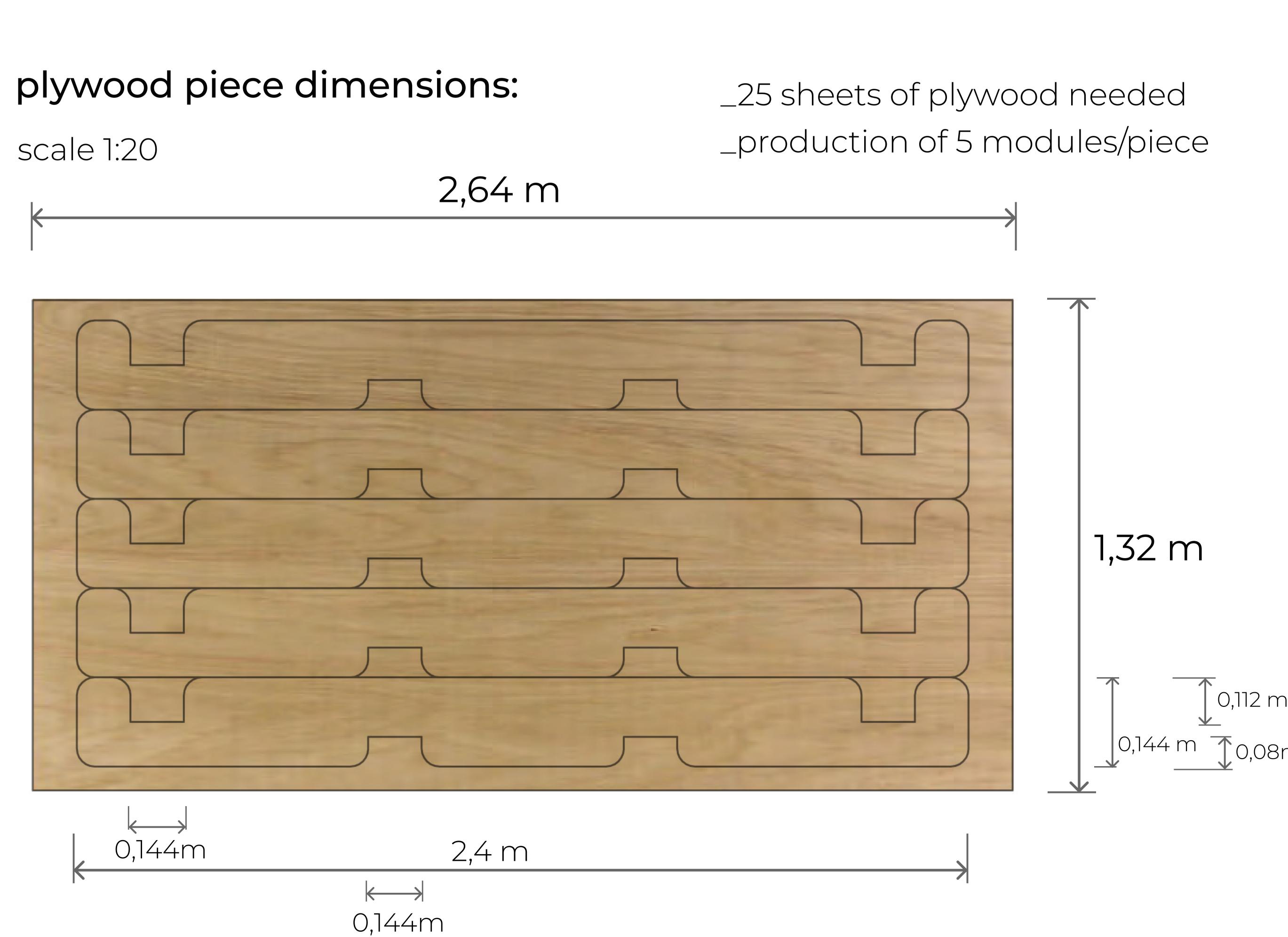
- _The module is design based in the dimension of the plywood panel to avoid waste and easily made: CNC machine minimal waste design
 - the structure stabilizes itself by the reciprocal frame forces over the joints using marine plywood panels: optimizing the construction, installation and maintenance
- _The structure gaps can be filled with snow, giving it thermal resistance and insulating the interior like a framed igloo.
- _Inside, a large waterproof cushion above the skid, being able to accommodate more than one person.









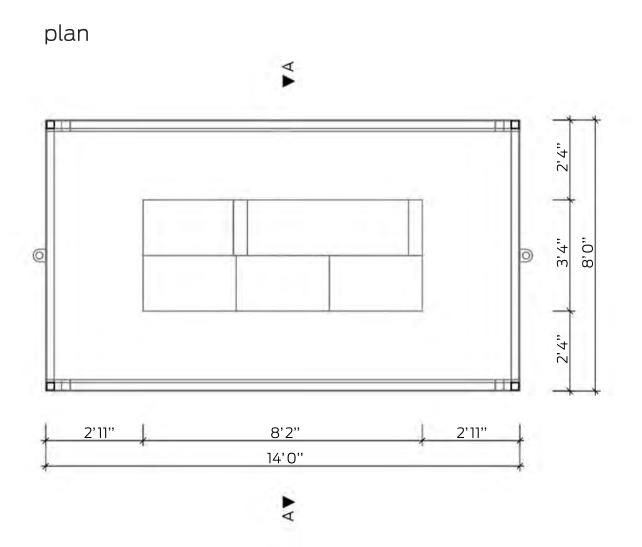




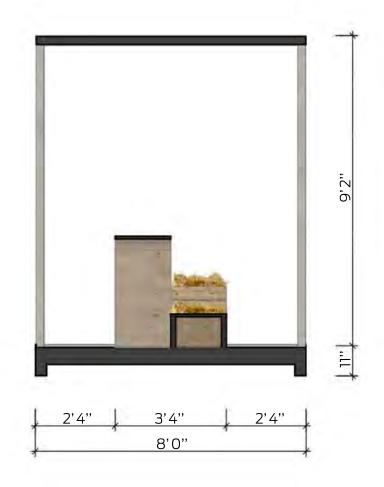
(uses constant wind and generates electricity)

HAY AND AN
INCEBATOR LAMP
(keep the hut warm)

WARM HUT (the appearance resembles a cupcake)



cross section (A-A)

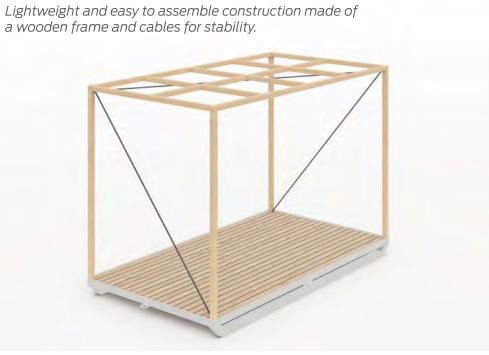


CONCEPT

- 1. The mini generator uses a constant wind and generates electricity with it. The hut provides for itself.
- **2.** Hay and a yellow incubator lamp create the illusion of autumn. These elements are reflects the panoramic autumn landscape on the facade and gives warmth inside.
- **3.** The facade is made in polyethylene curtain strips, which protects from the wind. The strips have two coatings: foil (reflects the winter landscape outside and keeps warm inside) and the autumn panoramic landscape of Winnipeg.
- **4.** When the snow covers the hut it resembles a cupcake. This moment can be used to attract people.









MATERIAL'S USED



Polyethylene film



Plywood



Decking



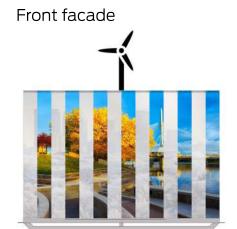
Hay



Aluminum

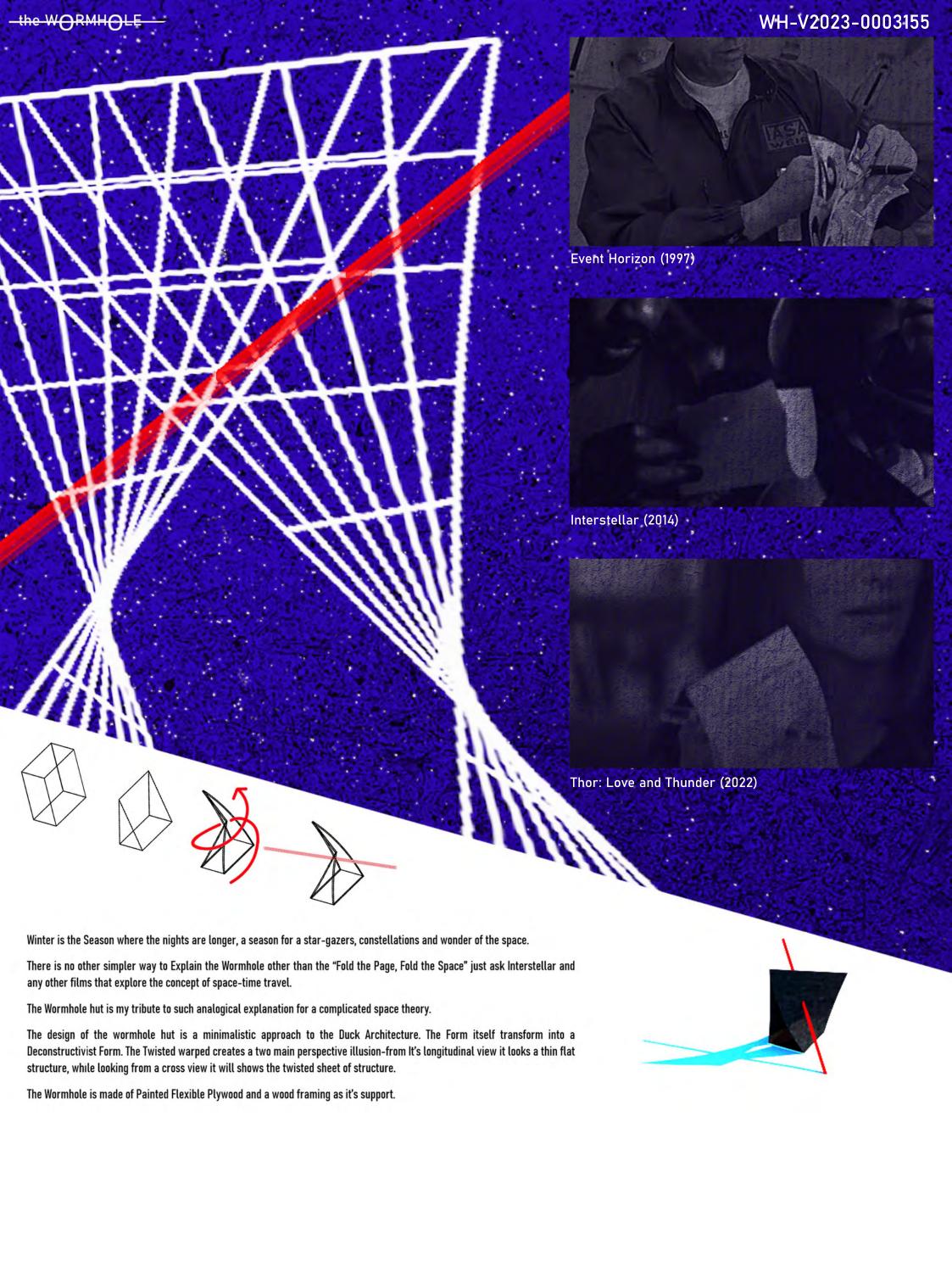


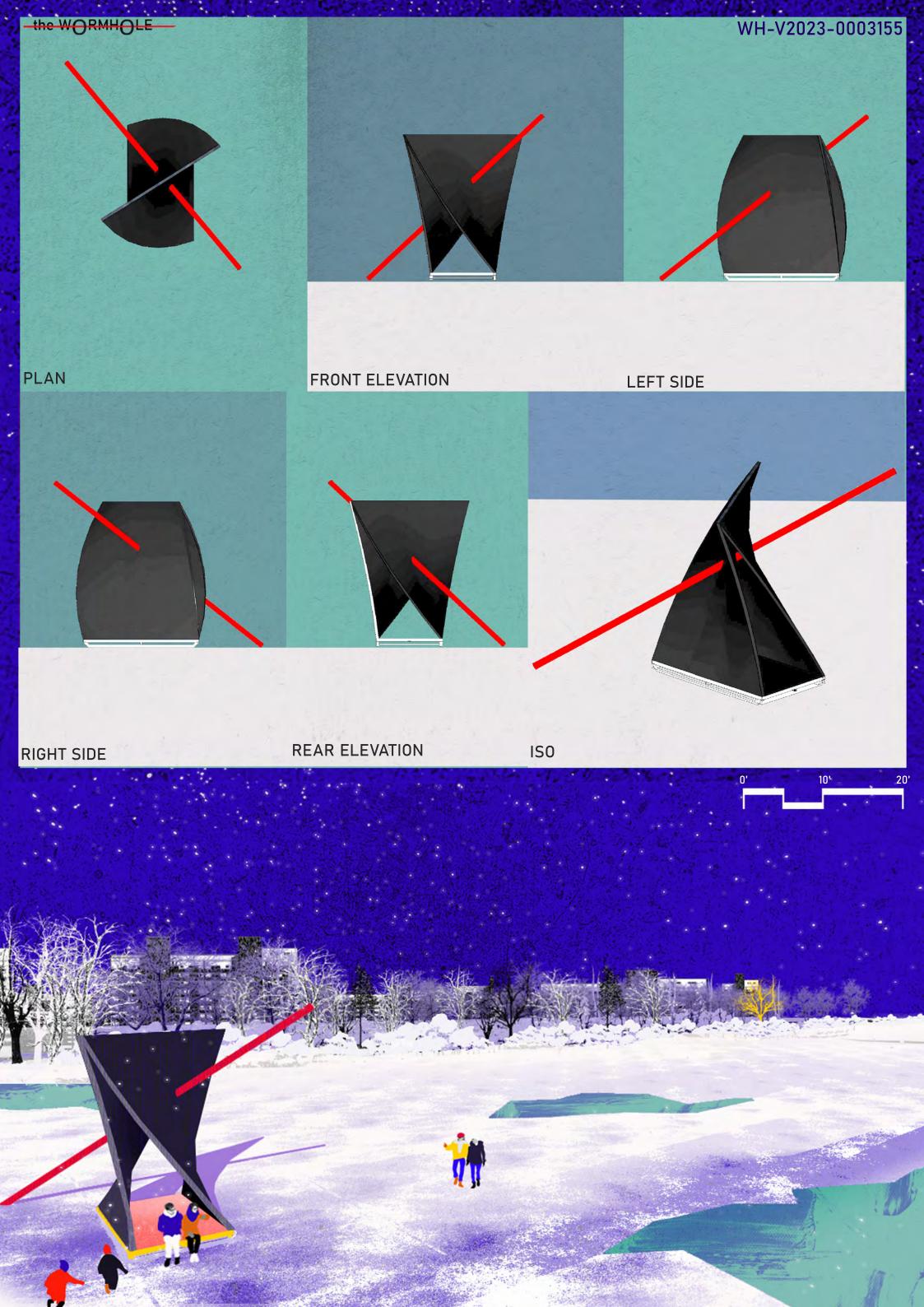
Mirror sunscreen film

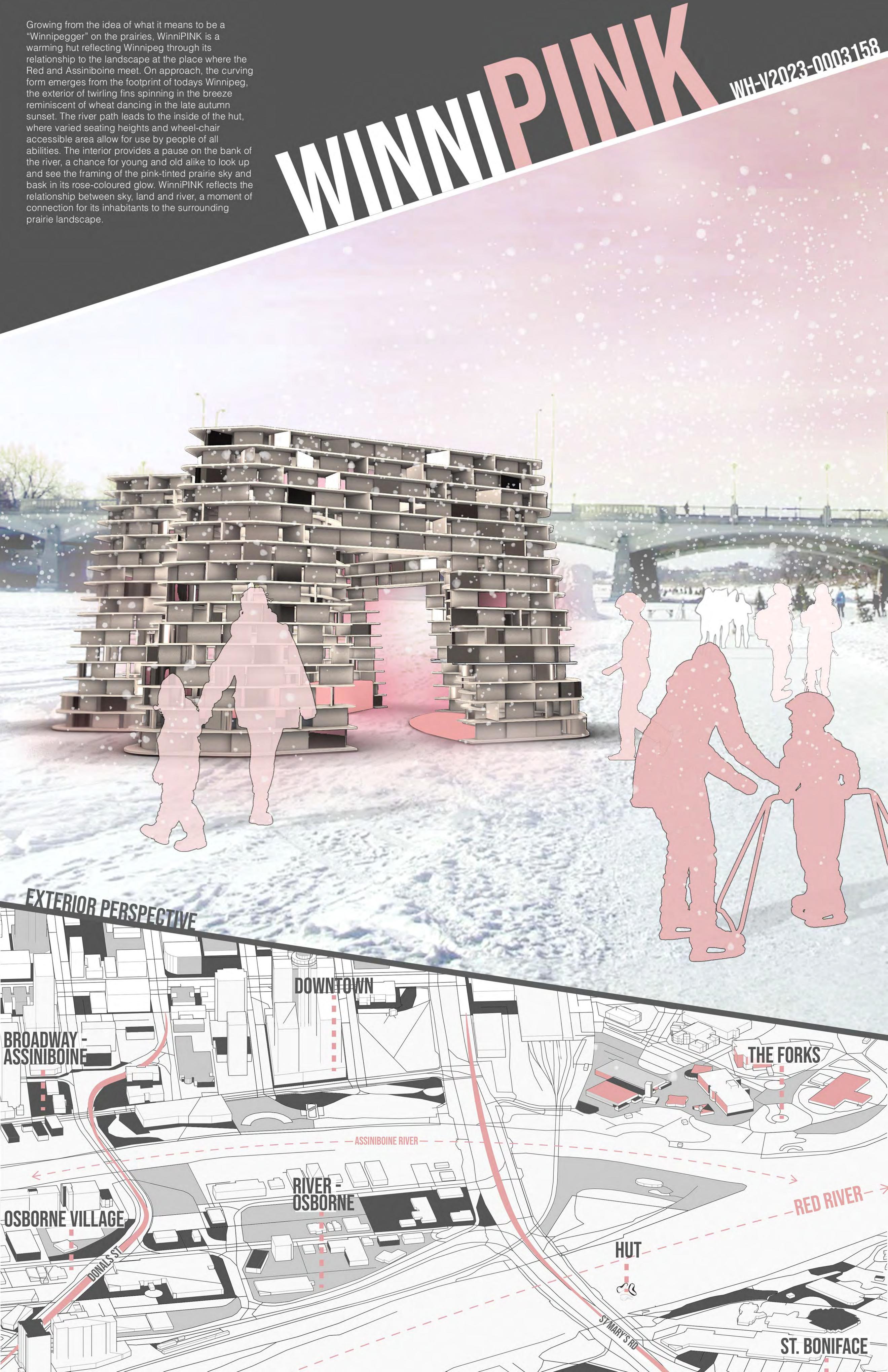


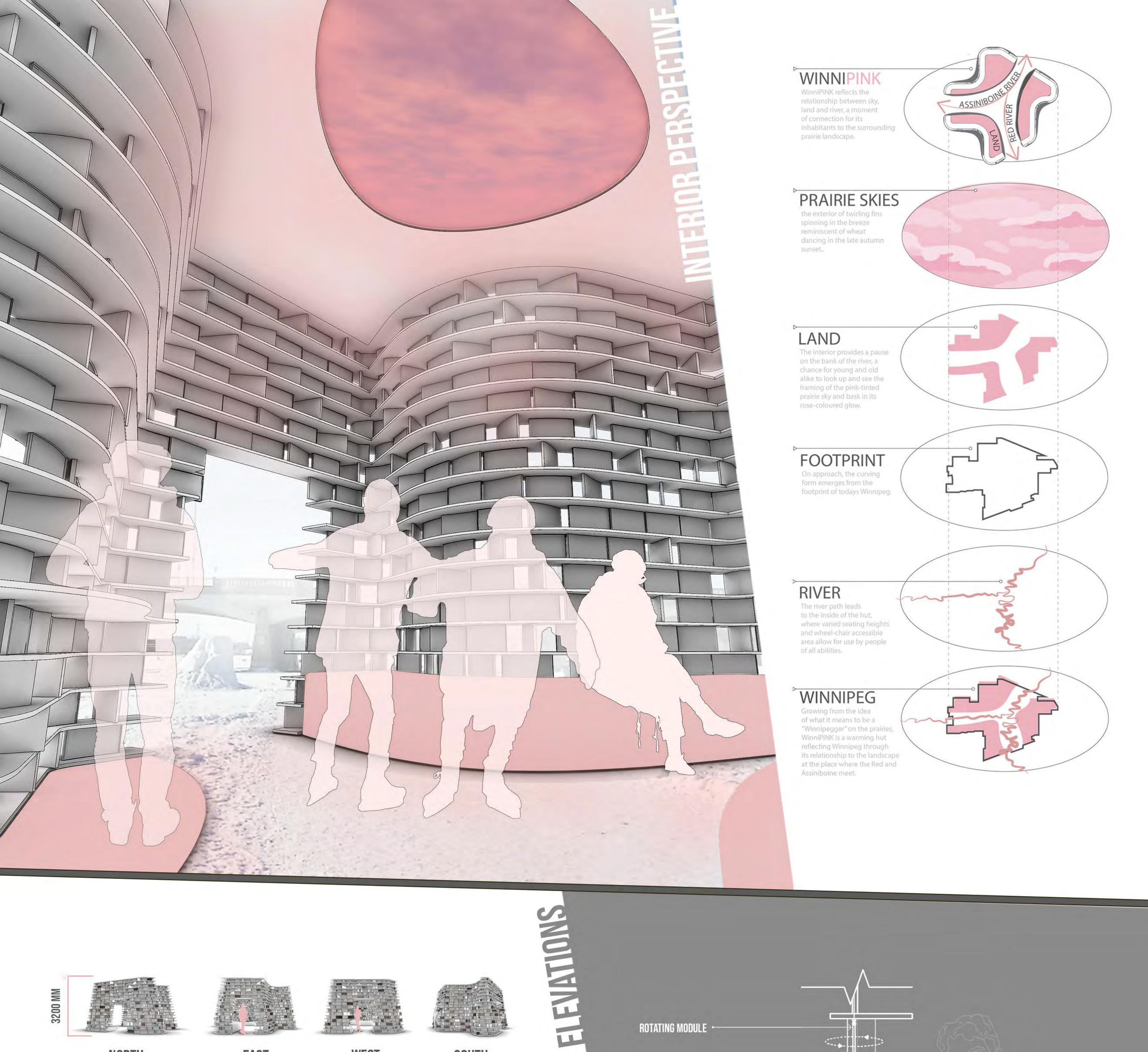




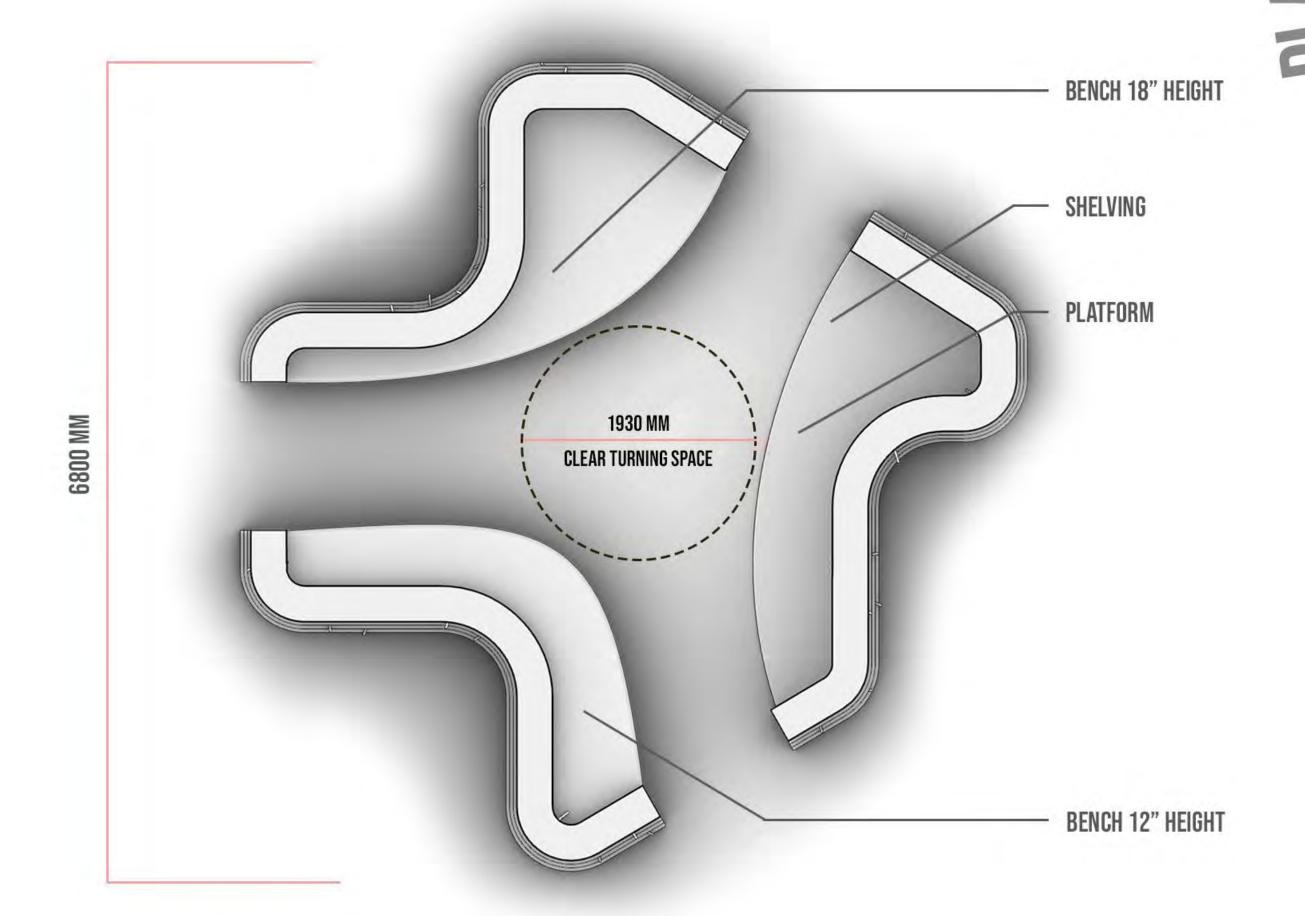




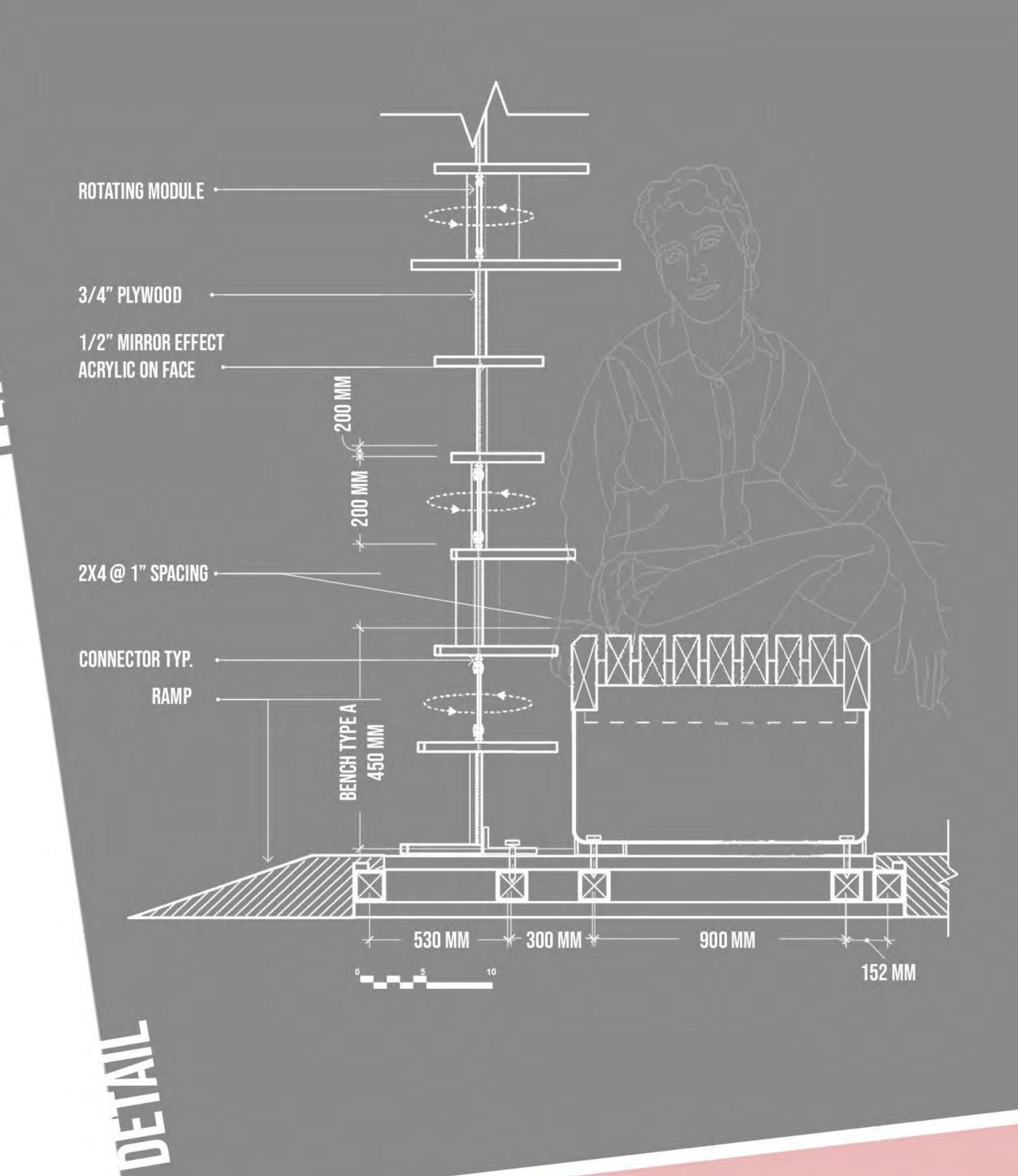




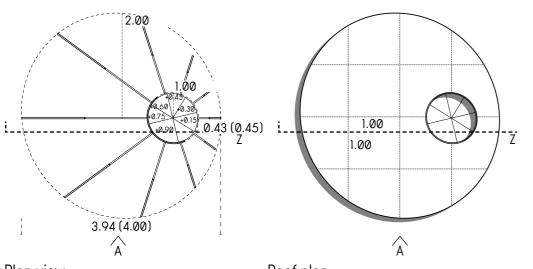










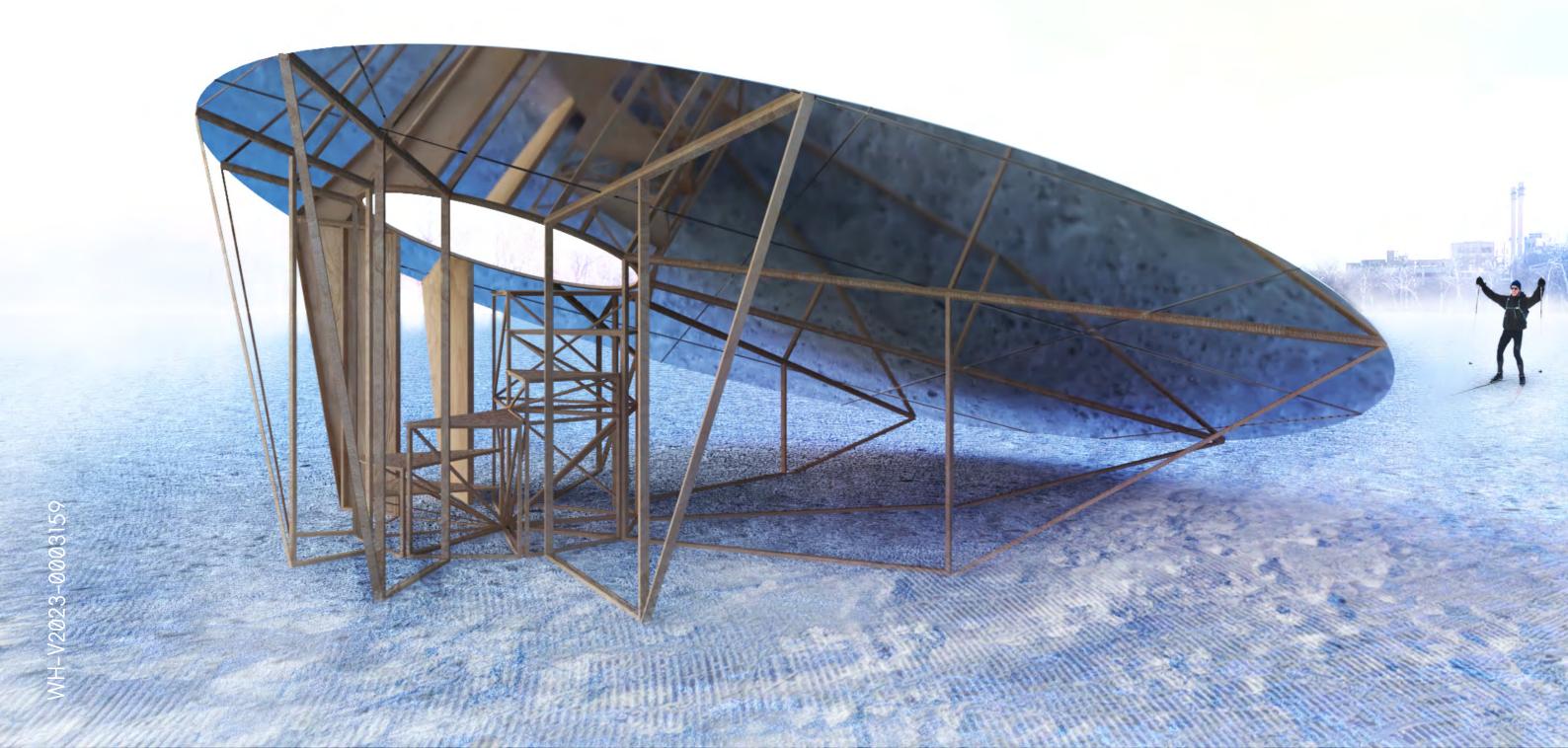




(16) Acrylic mirror silver sheet, 12mm, 1.00m x 1.00m panels.
Cross laminated timber or studwork timber 2"x2" @ main frame. Natural finish
Riser: 15cm
Step: 30cm
Pinewood 18mm, natural finish

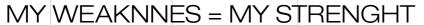


Section Z Plan view Section at 1.00m Elevation A Roof plan



F.W FREEZING WARMNESS WARMING HUTS 2022









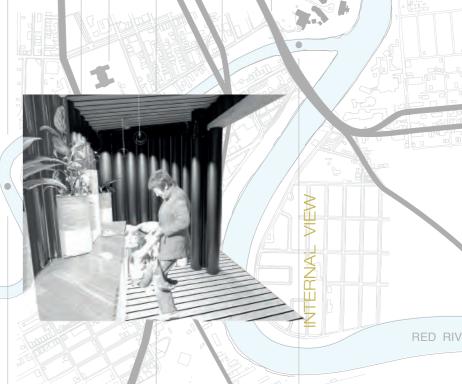
Freezing warmness

All started by realizing that innovation is not only an aesthetic issue, and seen old problems based can became an opportunity to start to achive new solutions. Water pipes can be a problem, but freezing water drain pipes can turn into a solid construction system if its seen from the right point of view. WE CHOOSE TO SEE A WEAKNES AS A STRENGHT.

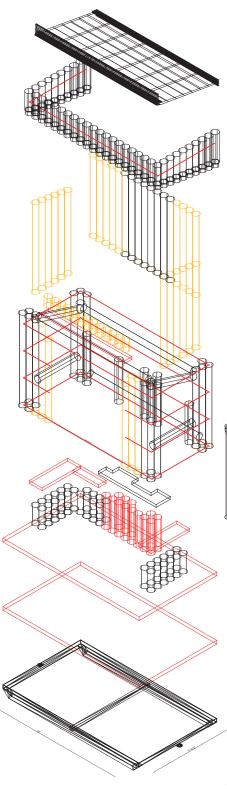
THE EXPERIENCE

The hut concept means a place to be/feel safe, even if the solution is not a conventional one.

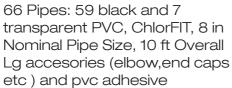
The idea is to make to think the user how some things can turn into something totally different and how industrial pvc combined with natural elements can become warm and solid .Providing a nice place to feel / be safe. Easy to assamble and easy to desamble, light but solid.



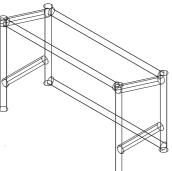




4 vicwest profile steel roofing sheets Galvanized zinc coated /3ft x 10 ft each and accesories



4 corrugated iron wire grid into Wire plastic corrugated Conduit Flexible Cover.



Floor 1-Timber floor -hardwood flooring (butter scotch) 77sq ft 2-Underlay-underpad 77 sq ft 3 -3bar grating (10ft x4ft)

Sgid 7 ft x 11 ft



2 layers of columns of pipes on top of an aluminium bar grating layer supported by the skid.

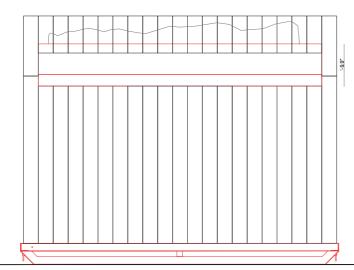
The top layer into the hut it is a hard wood floor.

In between each vertical pipe there will be silicon sealing and pvc seal adhesive to minimize the air filtration. Pipes are filled with dense snow or water(expecting to freeze) adding weight to the system.

Top of the pipes columns are both sealed with pvc cap socket pipes and wood pieces (also swed with iron structure mesh, easy to drive the pipes in all at the same time, before adding snow and sealing them in between). 2nd internal layer of pipe columns are part of the structure that holds all toghether and it is locked with pipes 45 degrees sockets and elbow system (8 inches branches).

Some parts can be assembled in place, but most can be pre-built **PRICE**

According to Canadian 2022 supply catalog prices of material will be under the amount of the budget.

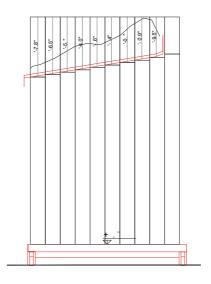


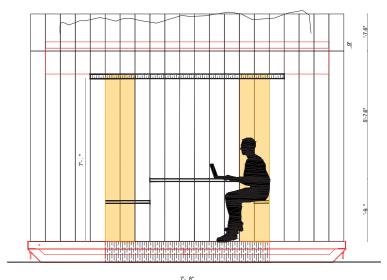


HUT BACK VIEW

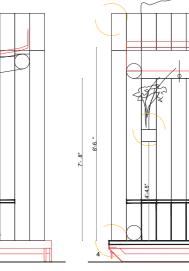




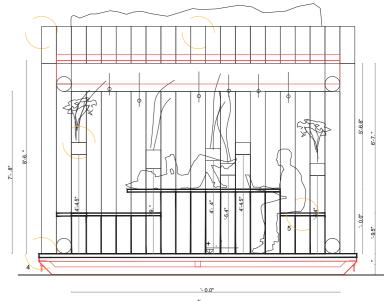




FACADES



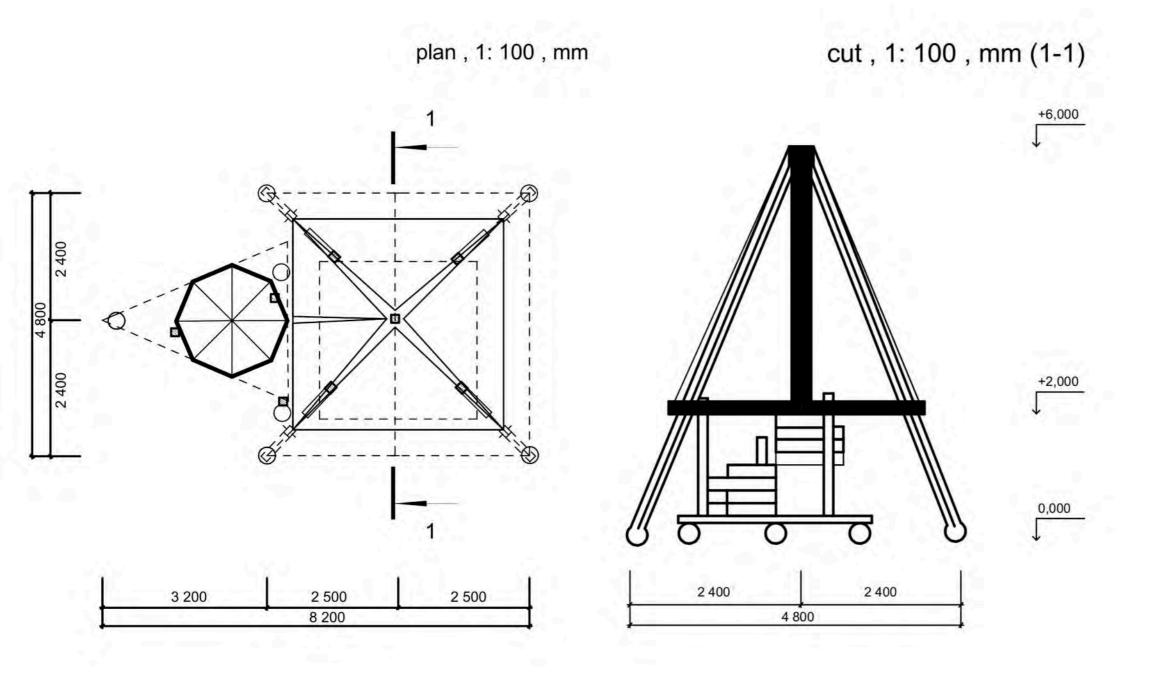




ALL PLANS SCALE 1/100



WINTER BOAT

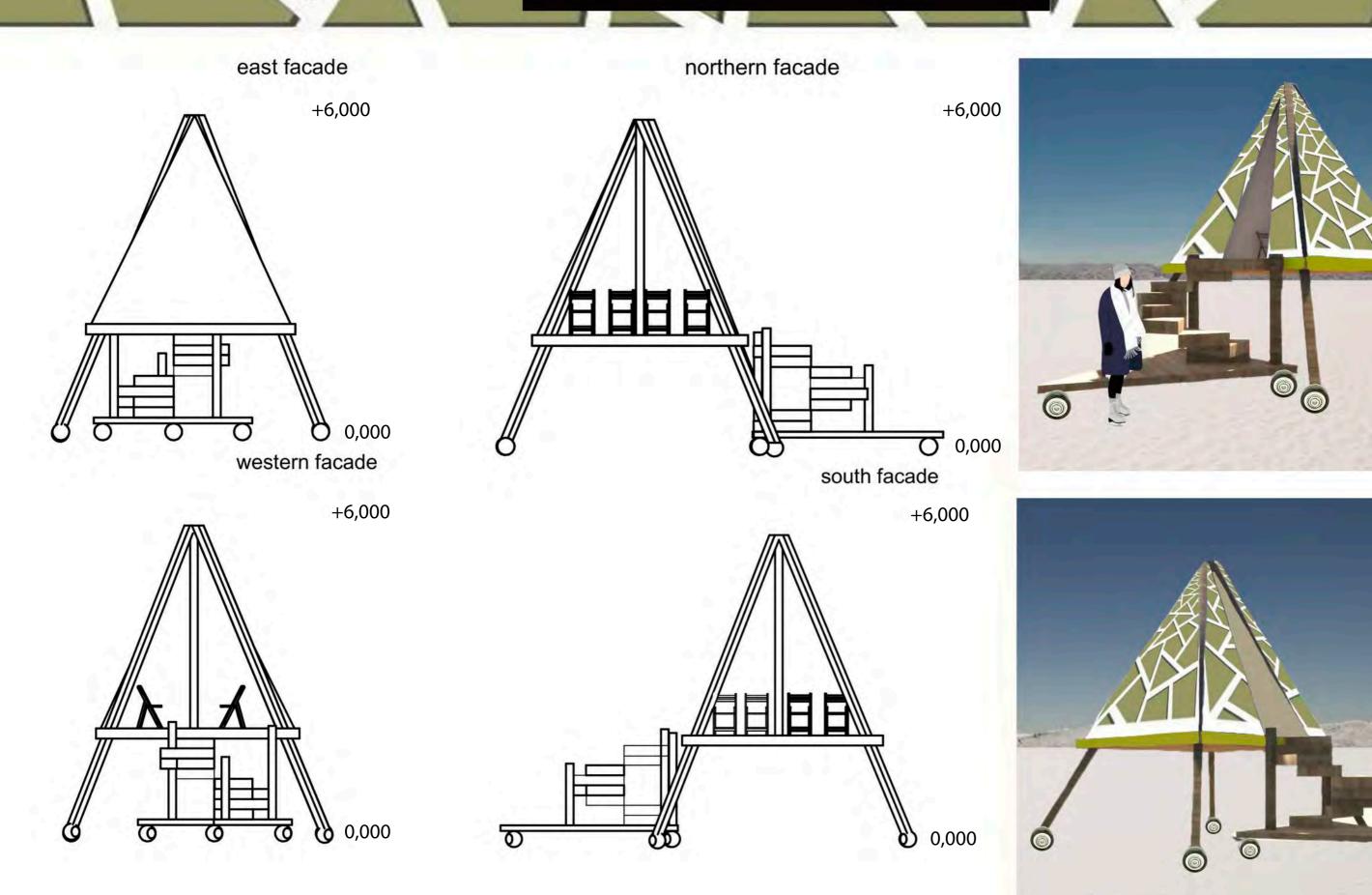


CONCEPT

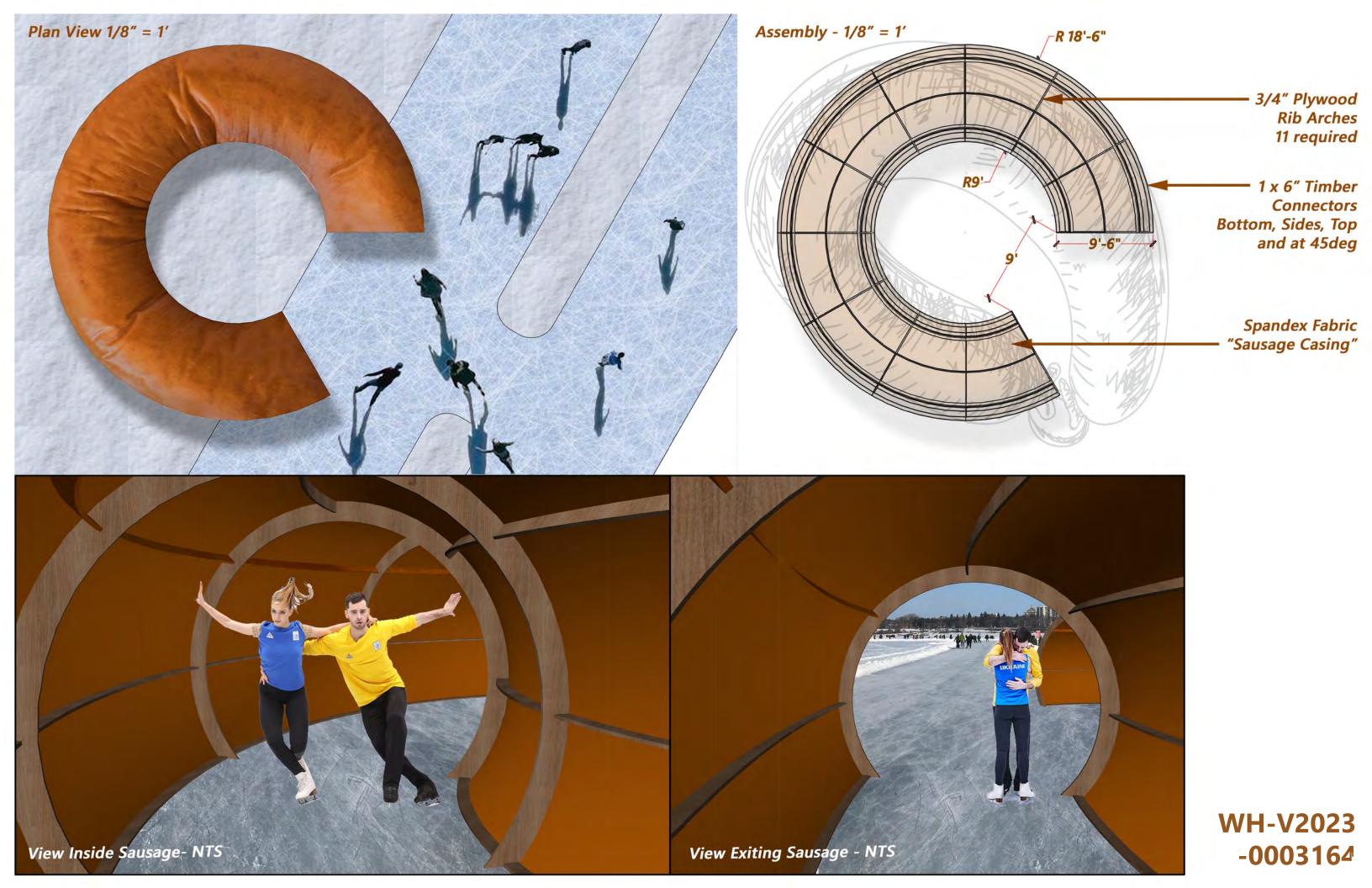
The concept of the project is a combination of cozy and practical. For the image of the hut, a house-hut was chosen. The triangular shape is associated with warmth, with childhood, which every person lacks in winter. The hut is supported by Wheels, with which the hut can move on the ice.

The main volume of the hut is supposed to be made of wood with heat-shielding characteristics. On top, everything is covered with a fabric with thermal protection. The decorative element is triangles drawn on the fabric. The ladder is made of wood, lined with rubber to make it easier for people on skates to climb. On the second floor, people can relax and warm up. And iron wheels that help the structure move. The project has not only a practical function, as a place to hide from the cold, but also a decorative one. Also, the hut will be an ideal art object in the summer. Geometric shapes look very harmonious and concise.

WINTER BOAT





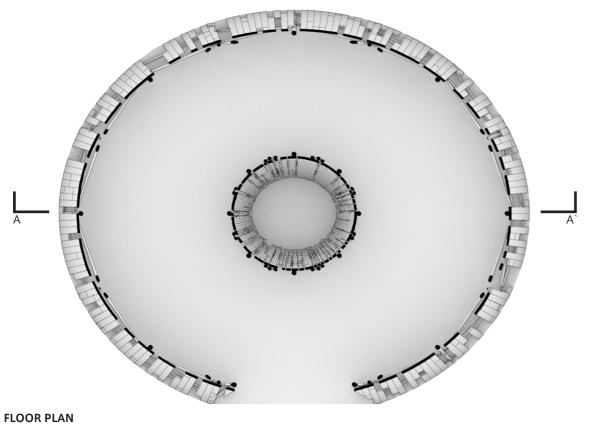


INHERITED CATENARIES

An architectural inspiration derived from the construction of Igloos by the indigenous people of Canada, which were ingenious in living in extremely cold climates. The catenary curves which compose an igloo are used to create a parametric warming hut inspired by traditional techniques. This results in a warming hut which can shelter from the cold and the wind, while reflecting on Canada´s cultural heritage.

The façade is composed of recycled and reclaimed wooden pieces to form a design that not only provides shelter, but also gives people the chance to admire the surrounding landscape of the Nestaweya River Trail. The structure itself is composed of aluminum bars and nodes, which can be pre-cut and transported into the construction place for an expedited construction process.

Altogether, the design is born from a place of inspiration and respect, coupled with geometric and construction optimization, to bring it into a contemporary setting.

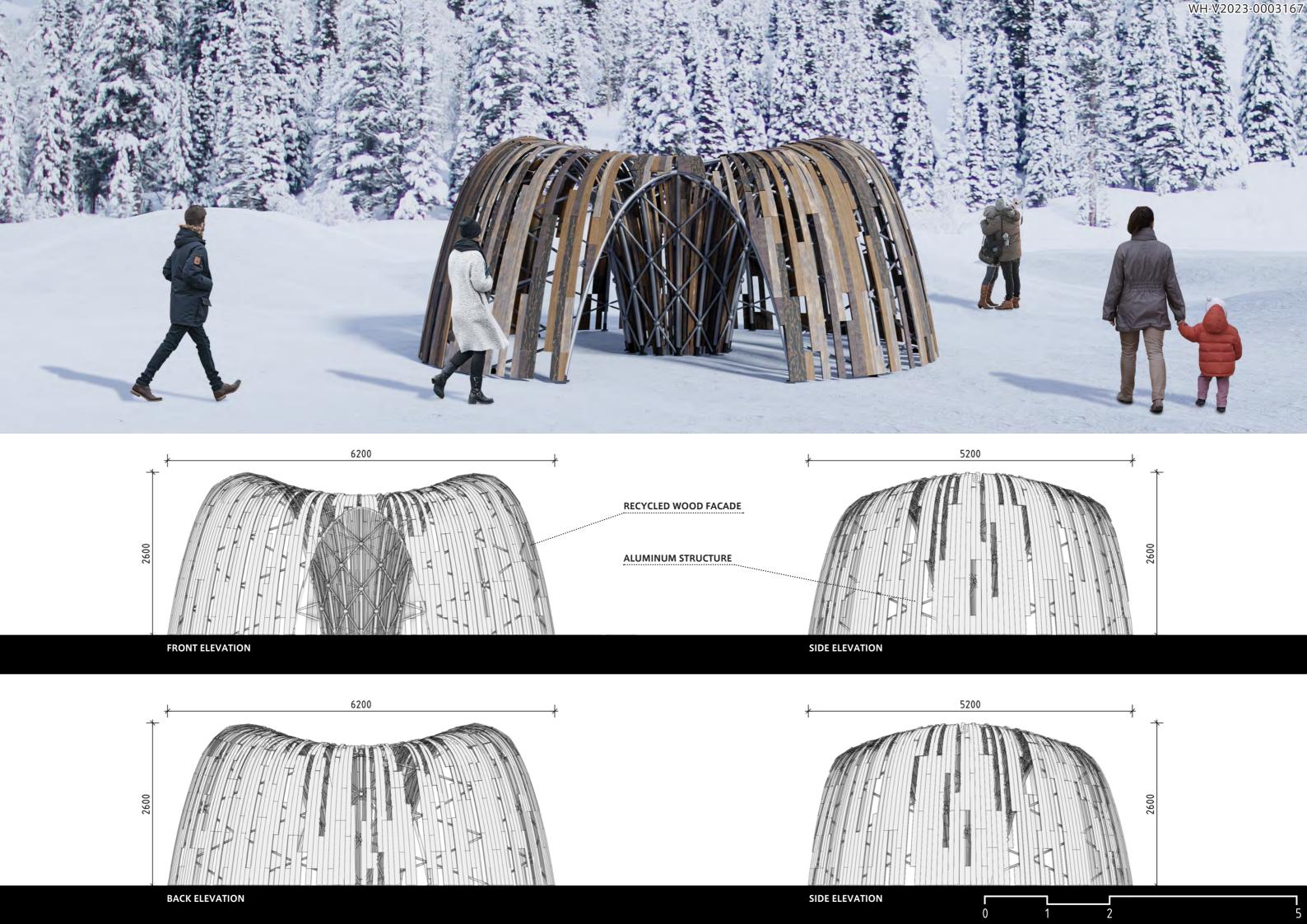




SECTION A-A`







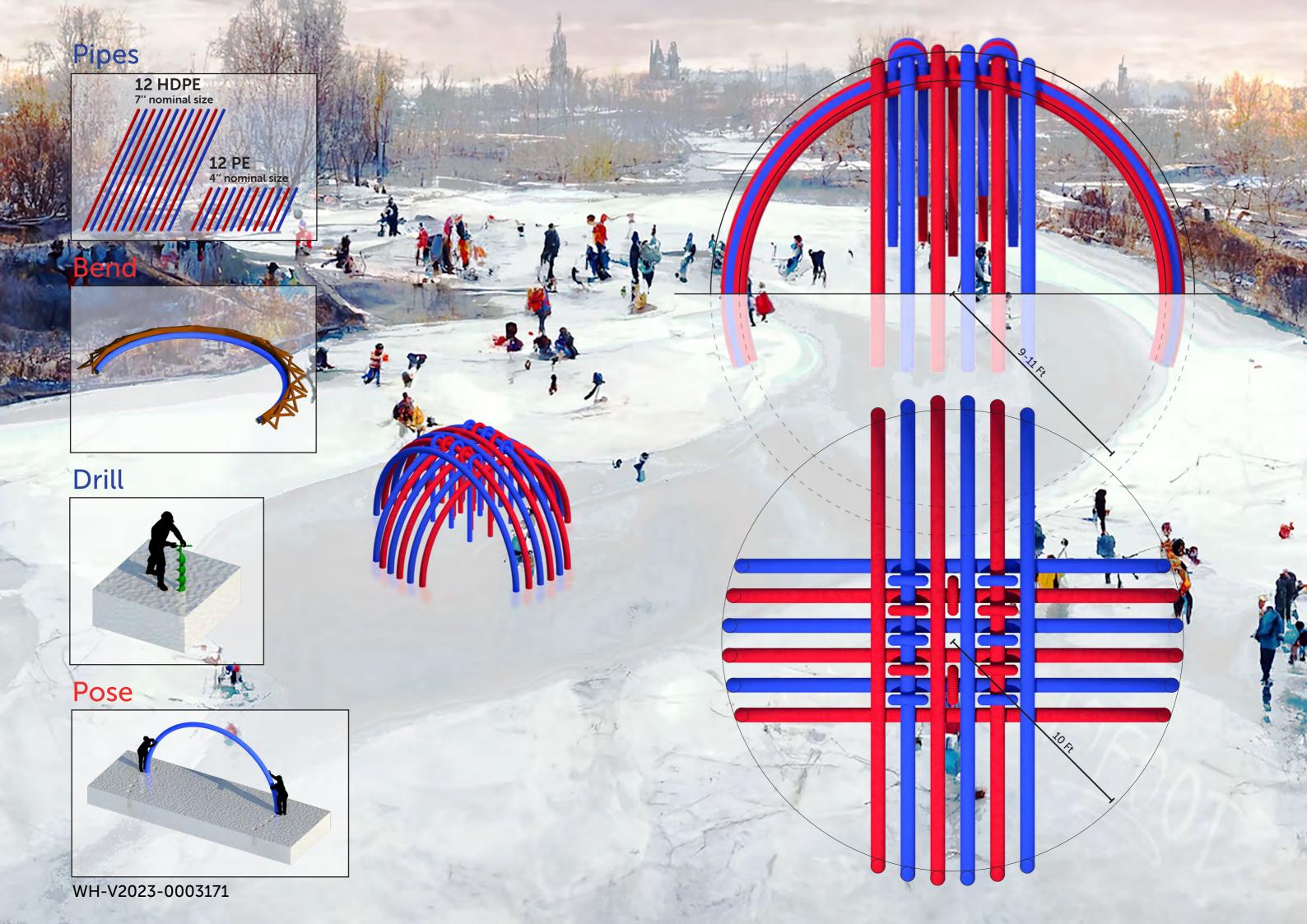
Piping Bulb

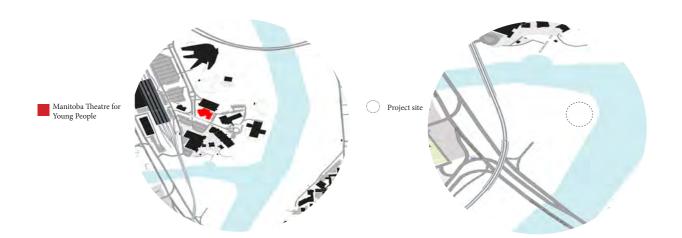
Pipes, which are necessary for everyday life because they connect us to our primary needs, are most often invisible buried in the ground. Why not use them to ensure another primary need to have fun. These industrial products have many characteristics to reinterpret, their resistance and flexibility for

the form, their texture and color for the playful experience.

Anchored firmly in the ice and naturally taking an arch shape, the simplicity of the implementation allows the astonishment and the fun intended to make dialogue between the inhabitants and their





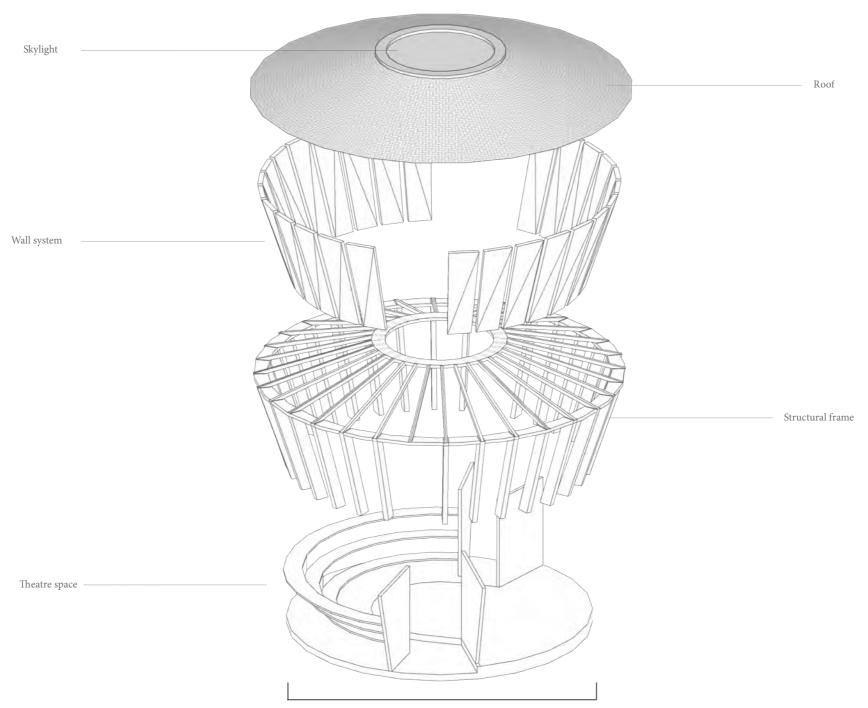


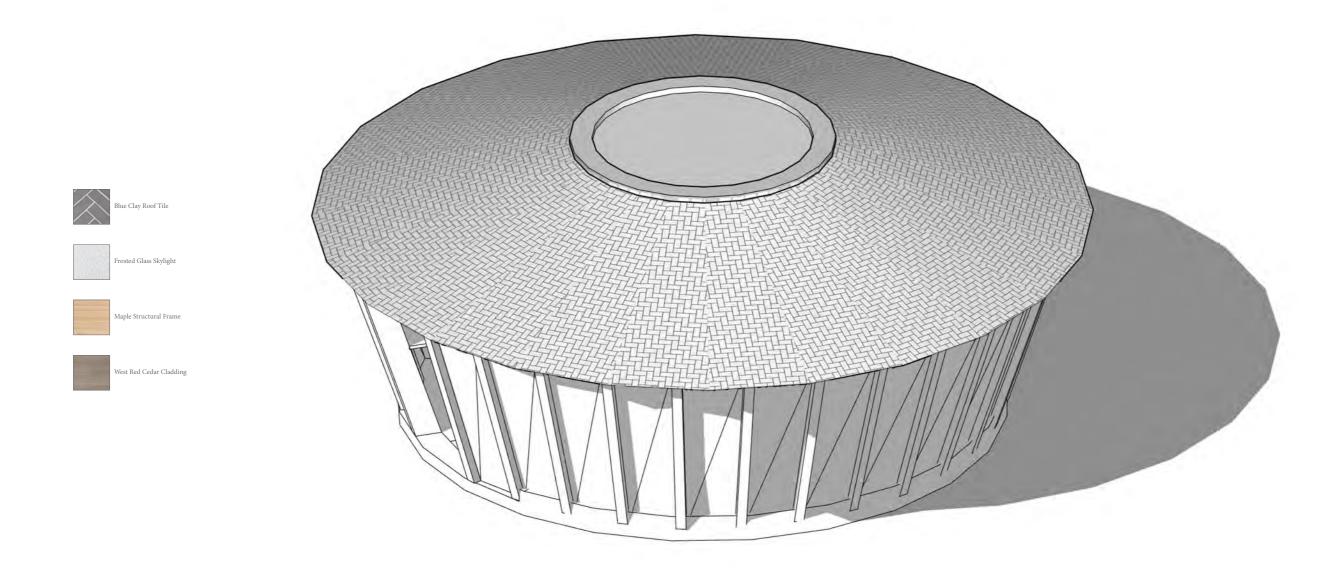
Theatre on the Ice Samuel Martin WH-V2023-0003173

WH-V2023-0003173

The Manitoba Theatre for Young People provides theatrical oppotunites to the youth of the city, giving artistic outlet to hundreds of young minds. The theatre on ice provides a centre of performance and education for the organisation, outside of their premesis on Forks Market Road. With the preferred site sitting at the edge of South Point Park, the installation shall sit at the junction between the Assinibotine and Red rivers, a busy point along the river trail. The installation takes a circular form, with a central stage surrounded on one end by stepped seating and at the other a backstage area for the preparation of performances, as a rooftop skylight provides natural lighting. The structure is simplistic in it's form and pragmatic in it's function, creating a public forum for theatrics and a display of the city's talent.

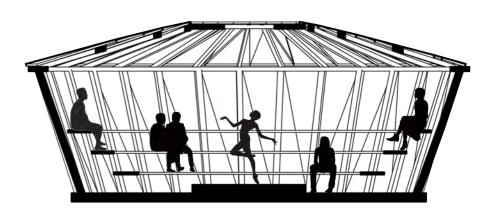










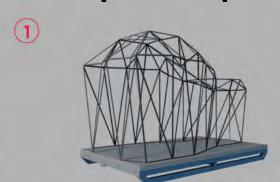


Project Summary

Concept:

Effect of form and volume on air flow

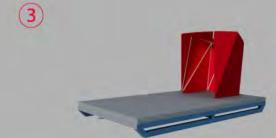
Concept Description



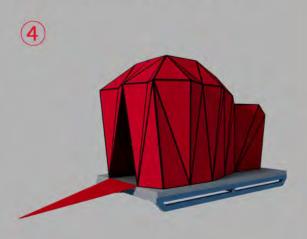
* The main triangular structure made of wood to remove the column



* Use of wooden plates with high heat capacity with placement in different directions to break the wind



* Transparent valve:
Absorbing the heat of the day
and a window to the outside



Final Composition

Explanation:

Wind is the horizontal movement of air that causes balance between different points with different atmospheric pressures. The wind is very turbulent at low altitudes.

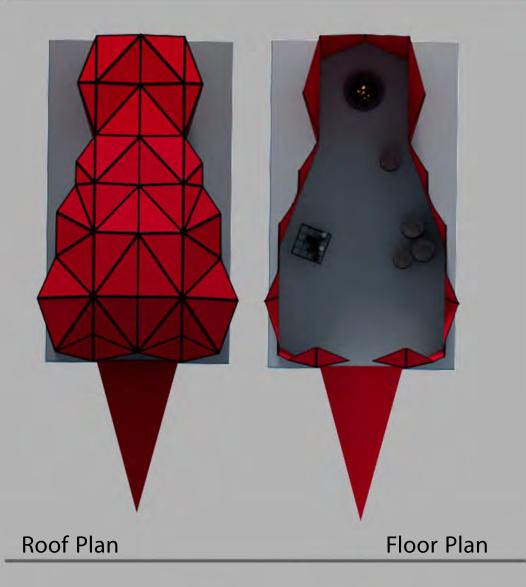
In this design, we have tried to guide the flow of cold air and change its speed pattern by using formal elements such as ridges and depressions as well as the breaks created in the walls.

The way this hut is placed longitudinally or transversely with respect to the direction of the wind has a direct effect on the level of overall comfort.

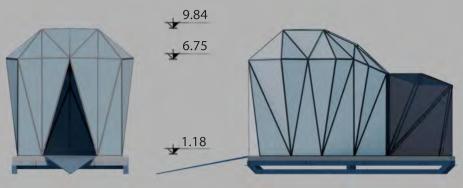
The presence of different failures causes the wind energy to be consumed and the intensity of the wind to decrease .

Visitors can gather at the end of the hut to rest or warm up around the small fire place and also enjoy the view outside.

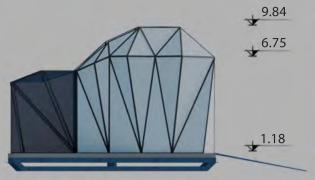


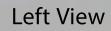












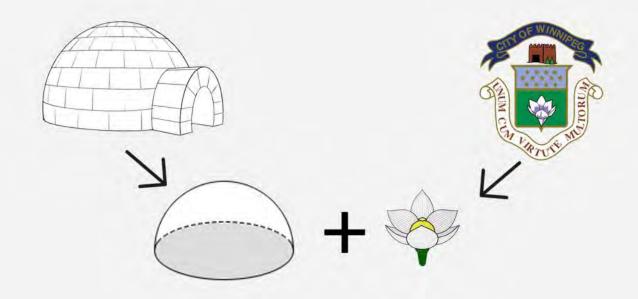


Back view

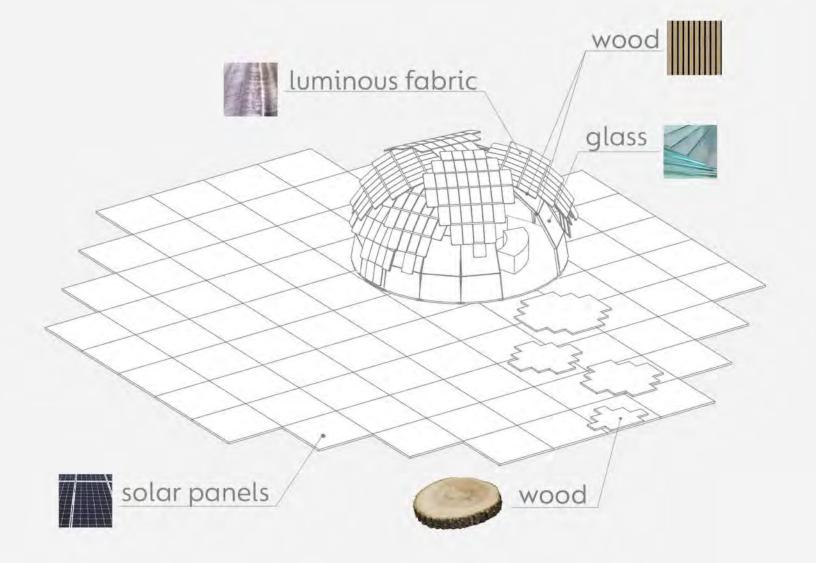


Floret - Warming Huts

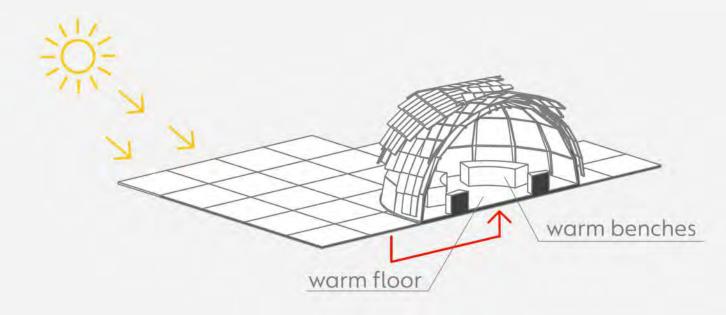
The main volume of the hut is supposed to be made of glass. The frame of the object and decorative elements are made of wood. The petals are covered with fabric, which glows in the dark. The energy for heating is taken from the solar panels, which are located around the hut. The path to the site is made of wood.

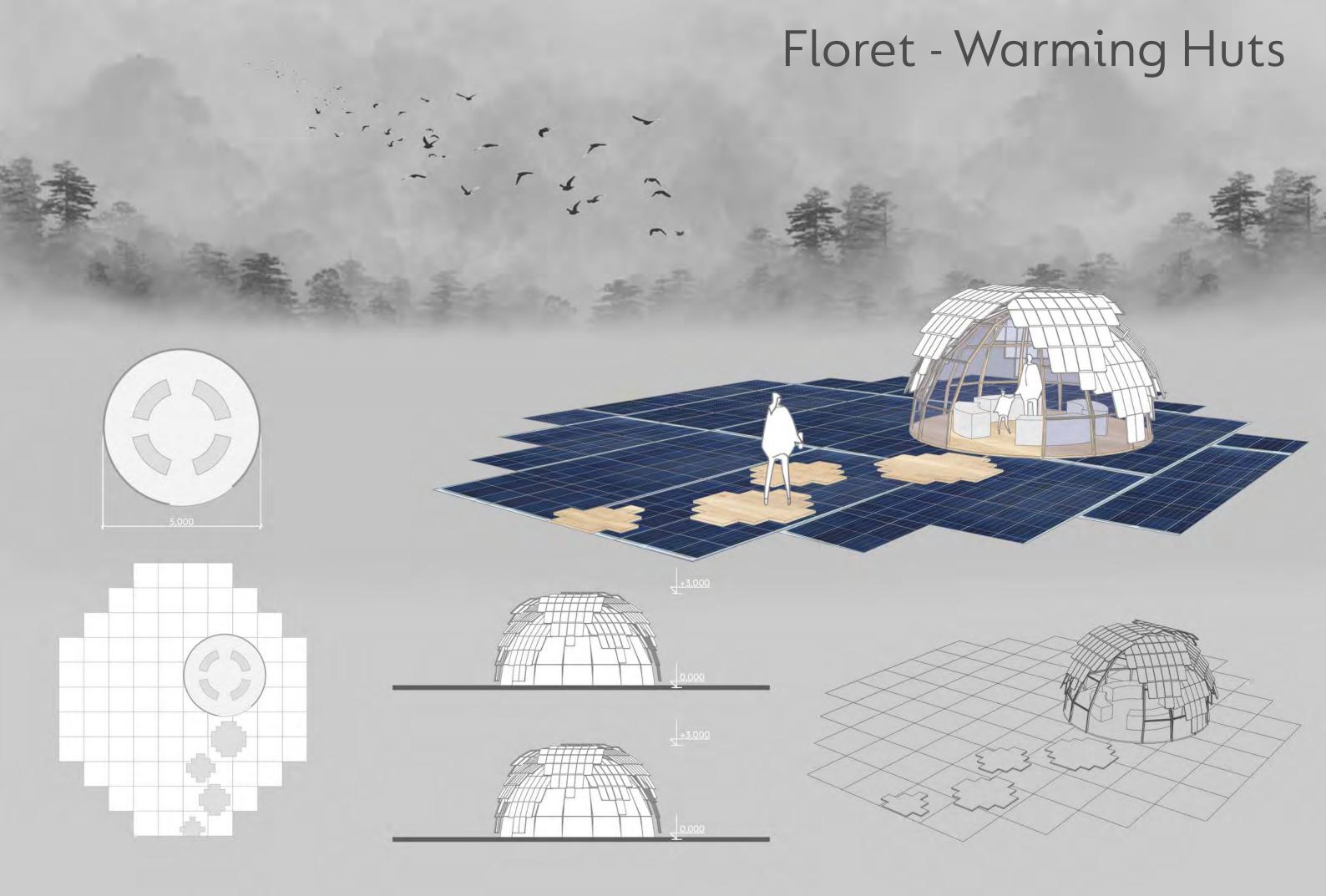


The concepts of the project are a link between the past and the present. Two elements are used for the image of the hut. The first is igloo, as an image of past dwellings where people of antiquity lived. The second is the Winnipeg coat of arms, a flower, as an image of the people who now live in the area.



The project has not only a practical function as a place to shelter from the cold, but also a decorative one. The solar panels create the appearance of a small lake with a lotus shack to which a path of leaves leads. Through the use of lighting and luminous fabric on the petals, the hut will look beautiful not only during the day but also at night.





Vortex on the Ice

Our warming huts is the colorful Vortex on the frozen river in winter. Colorful ribbons and spiral shapes create an attractive sight on the ice.

Our warming huts consists of two parts. The two parts can be flexibly separated or combined according to the needs of the environment or activities.

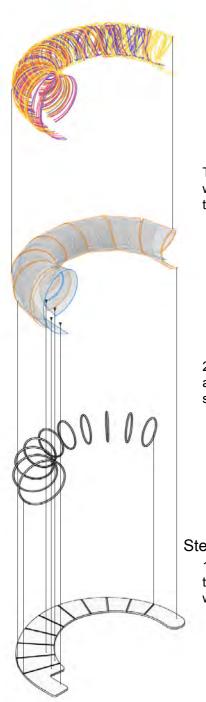
Its softness of a structure and a form, and transparancy allow the pavilion to become interactive to humans and also to create a rich relationship to the surrounding context.







Vortex on the Ice





Fabric Ribbon The ribbon is randomly wrapped around the plastic mesh.



Plastic mesh 27 pieces of plastic mesh are wrapped around the steel frame in two layers.



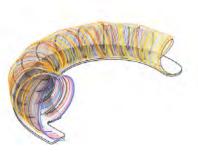
Steel Rod Frame Structure

18 Steel frame from small to large are fixed on two wooden board.

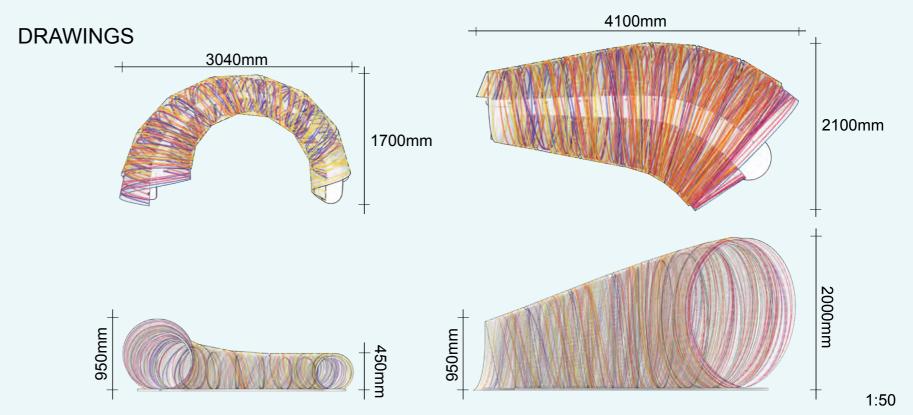


Wooden Board

Two boards could be combined into a whole.







The lower part on the left is function as a bench and the height is determined by the height of the seat. It can provide a place for people to sit and rest.

The higher part on the right can allow people to enter the shelter, which can provide people with a place to hide from rain and snow.

COMBINE





When the two parts are separated, they can be used as benches and shelters

However, when they are brought together, they will form an activity

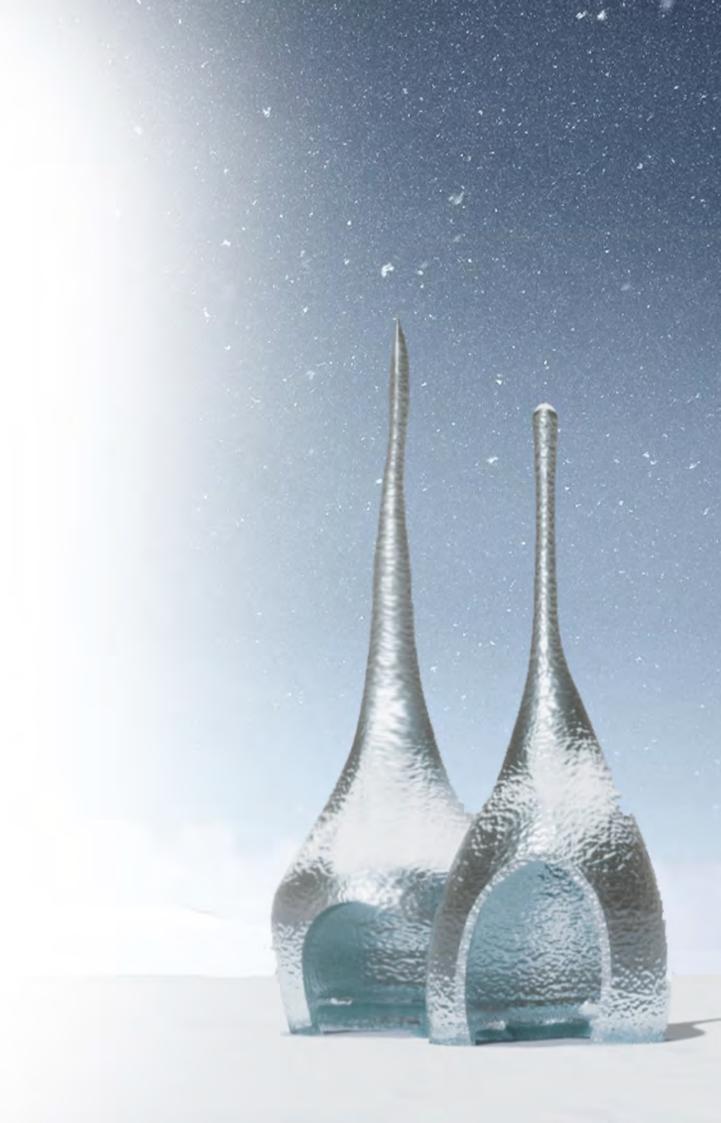
It can provide the possibility of multiple activities and strengthen the interaction between people.

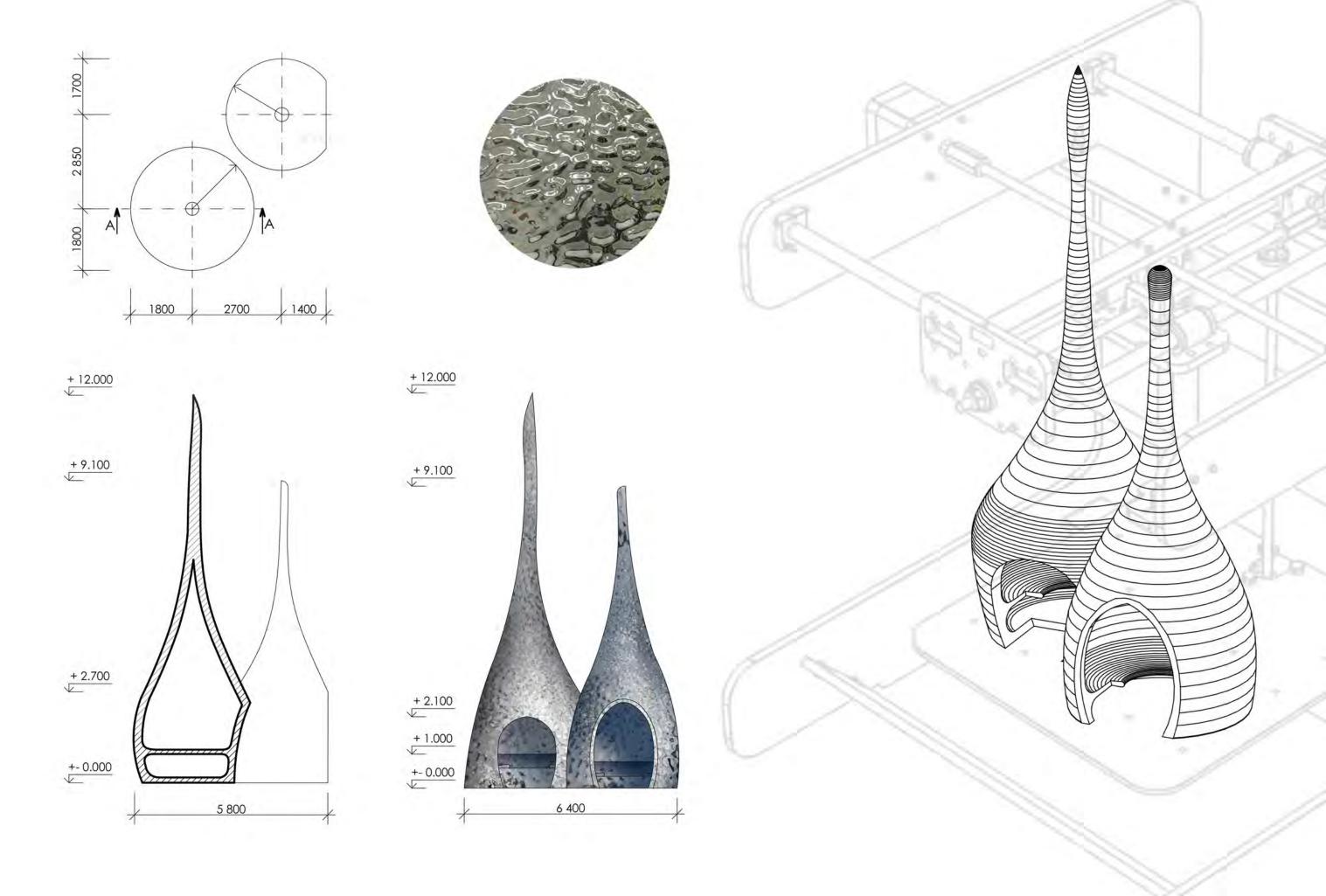
The structure also has strong adaptability and durability. At the same time, the ribbon on the surface can be completed by all tourists. This makes this huts democratic.

WARMING HUNTS v.2023

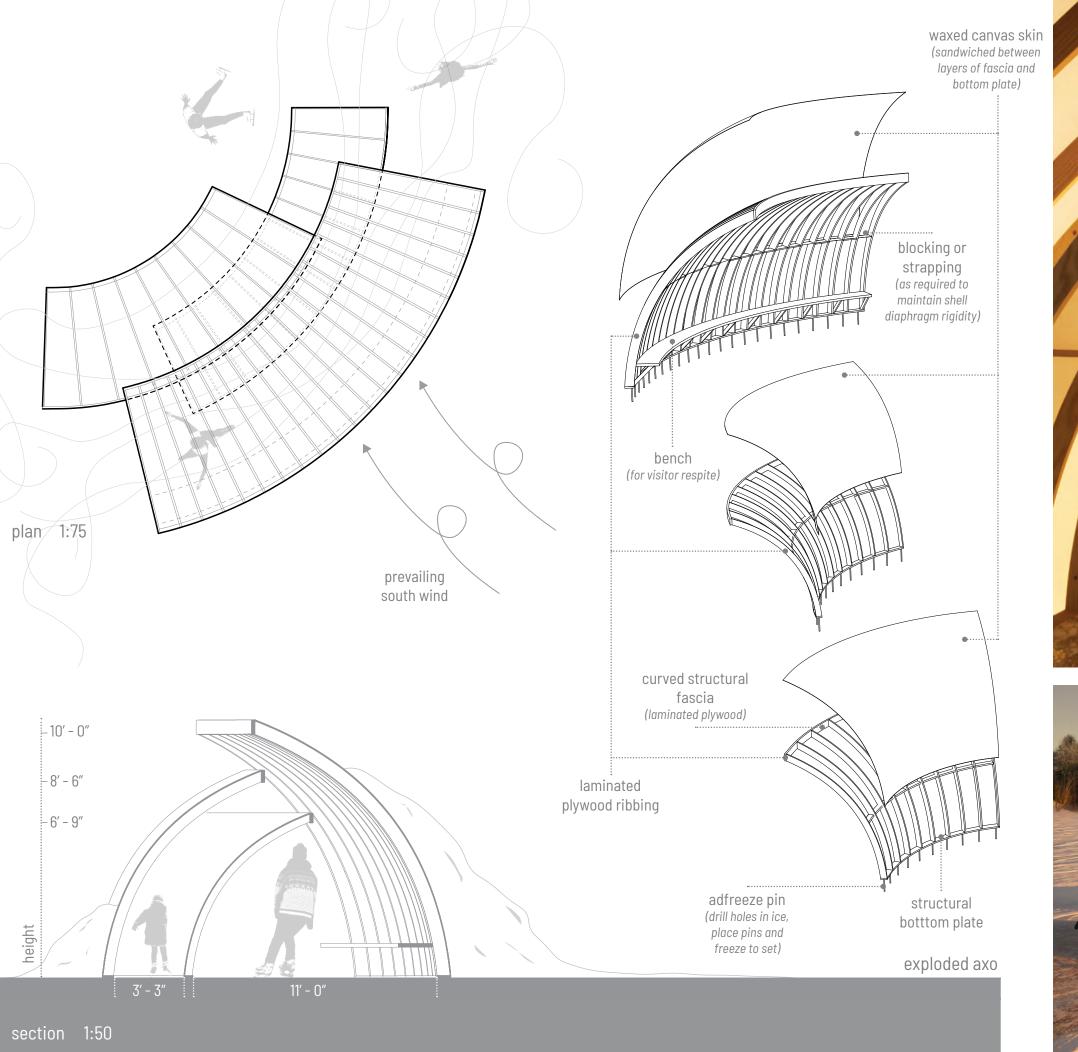
Registration ID: WH-V2023-0003180

Ensemble of two warming huts provides not only utilitarian function but also works as an art-object. 12 and 9 meters high huts are potential attractor. Forming and materials conditioned by environment, in which object is planed to be. Shape of a prehistorical creature and material embodying one of the basic elements amaze but still feel familiar. The object design provides free placement for up to 10 people on comfortable benches inside the construction. Mirror cladding of the case attracts people by day with shimmering. By night it can be used for having a light show. The object is executed on a 3D printer and covered with sheets of metal imitating the water ripples texture.



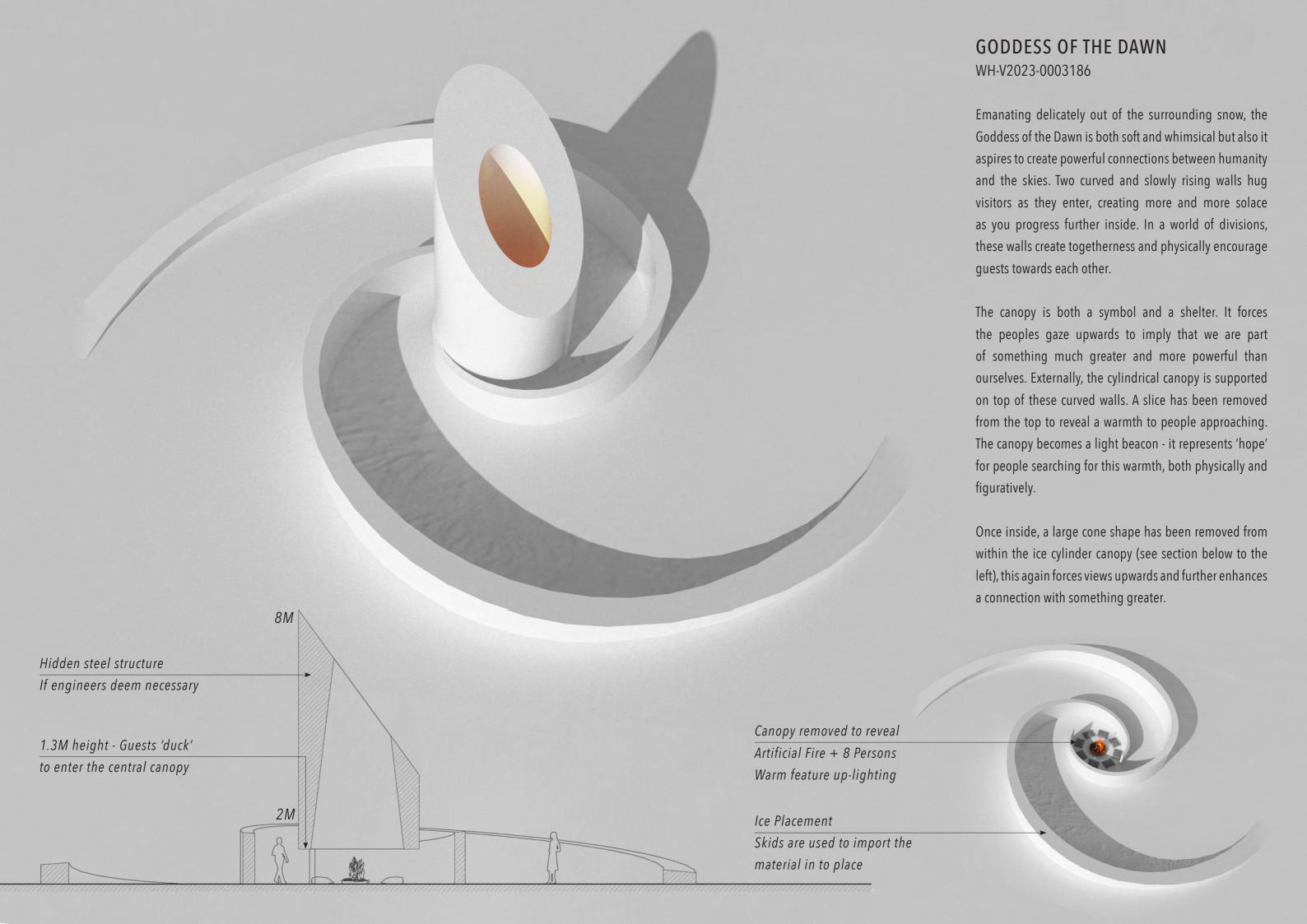




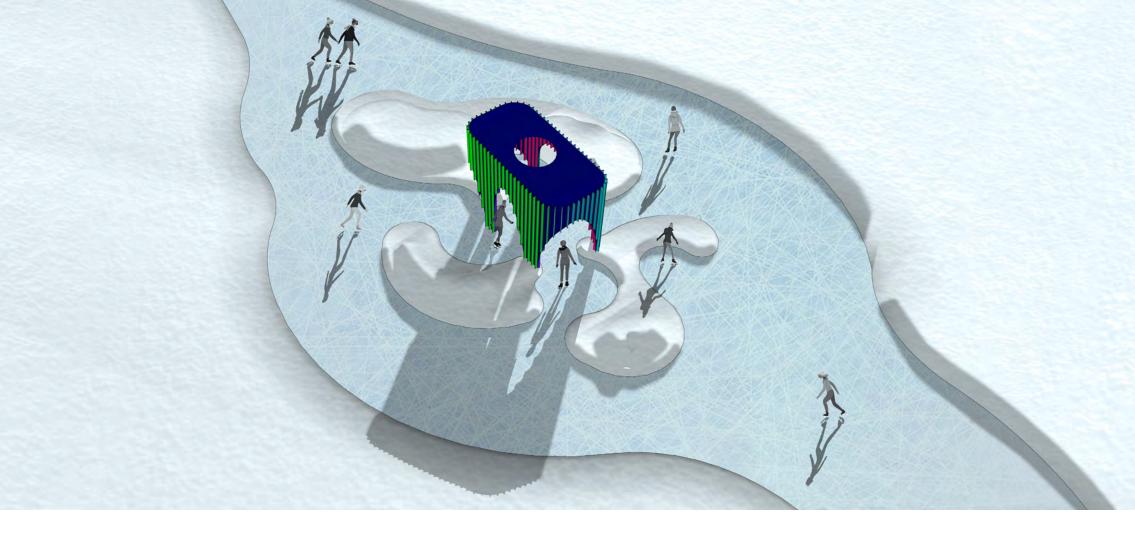










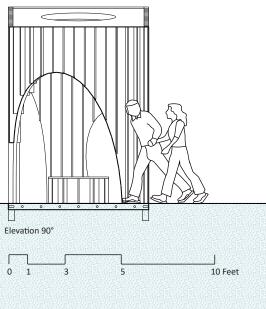


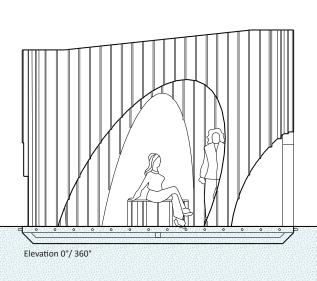
Kp9

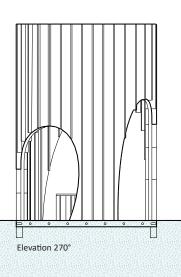
Solar flares and other sun activities produce high-velocity solar winds – streams of charged particles – that disturb Earth's magnetic field. This celestial battle of particle interaction causes the phenomena known as Aurora Borealis or Northern Lights in the northern hemisphere and Aurora Australis or Southern Lights in the southern. Ranging from KpO to Kp9, the Kp index charts the intensity of solar wind perturbations on Earth's magnetic field.

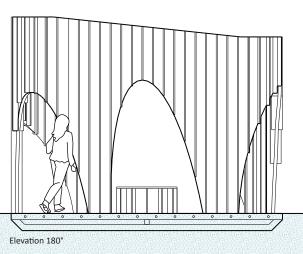
During Winnipeg's crisp and cold long winter nights, this index often reaches levels of Kp7 or more. The higher the index number, the stronger the fluorescence, and the more colourful the light display. Green light is most common, with red and purple emissions occurring as Kp levels climb.

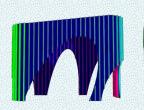
With its swooping arcs and chromatically shifting fins, our Kp9 warming hut pays homage to the swirling, colourful displays of the Northern Lights at their most vivid. Skaters gliding past and around the hut will experience it as an entity that appears to change shape and colour, mirroring the nighttime lights overhead.



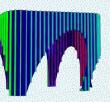


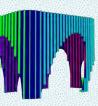












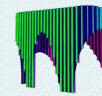


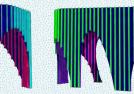


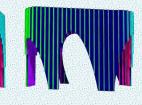






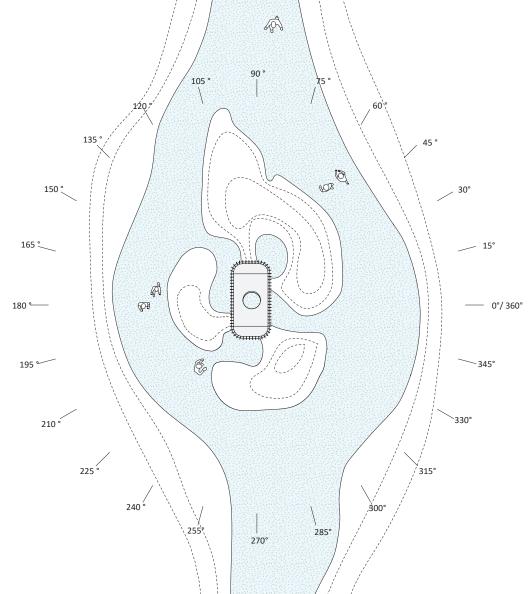


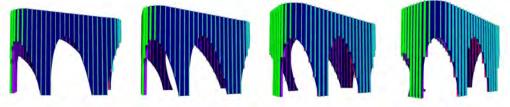




WH-V2023-0003195













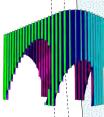


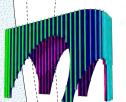


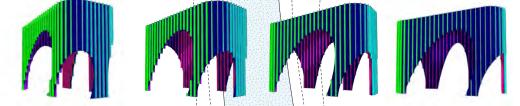












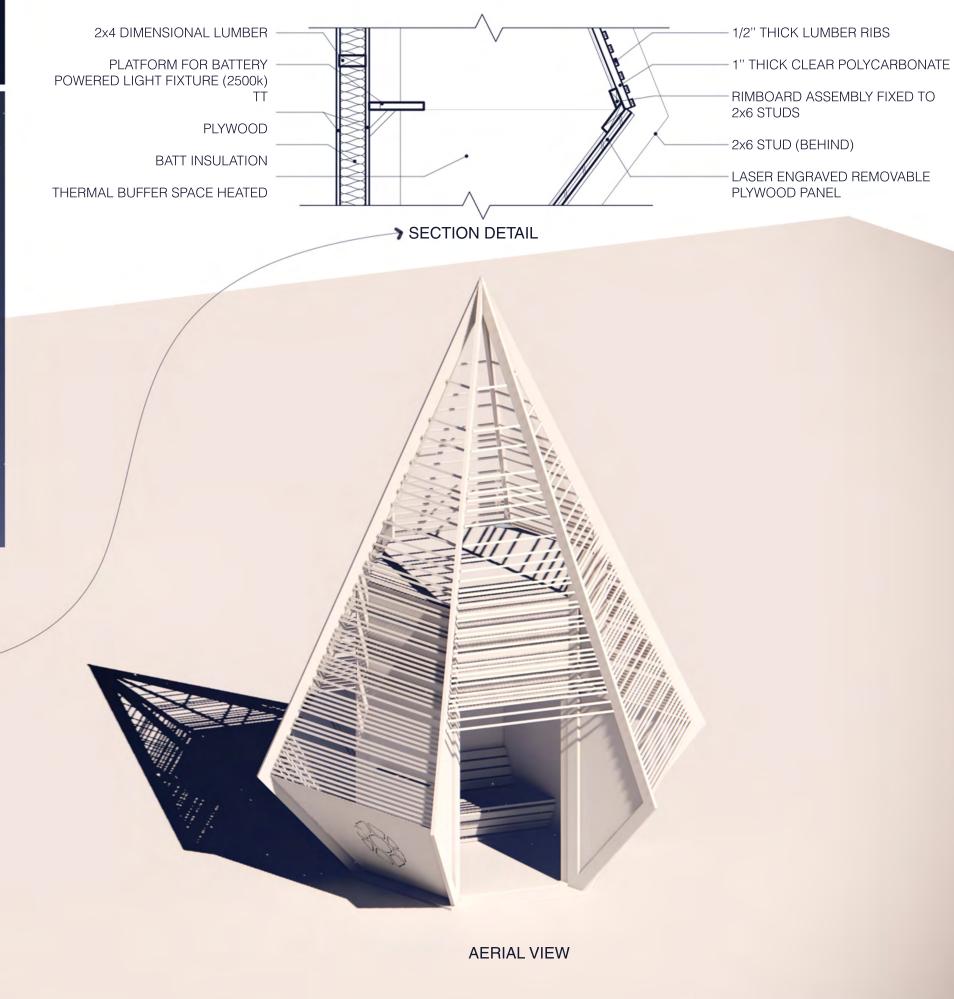
WH-V2023-0003195

ICE LANTERN

This proposal was inspired by native people and their architecture; it aims to be a modern abstraction of a 'Native Tipi'. It is assembled similarly and is constructed entirely out of locally available materials. A Hexagonal pyramidal shape was preferred over a tilted cone, to simplify construction, and in reference to the Turtle Island story of creation.

In terms of warmth, this warming hut is double insulated. In addition to the batt-filled interior walls, an outer layer of plywood and polycarbonate deflects the wind and also prevents snow from accumulating on top of the structure. No door is installed for security reasons.

Moreover, Warm ambient light is used to comfort visitors. This light effect is magnified by winter's short daylight hours and overcast skies. Finally, an abstraction of a turtle shell projects afar from the structure, again, in reference to indigenous cultures.



TOP VIEW



Door to the hut of your imagination!

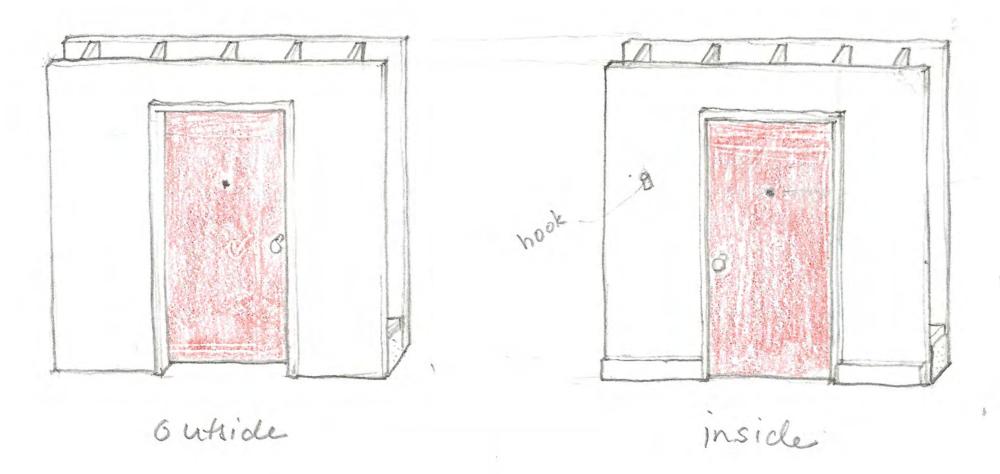
A threshold into your imagination - a door,

Enter at your discretion, what you find on the other side is up to you, the visitor.

Does the river become your living room? Your hallway?

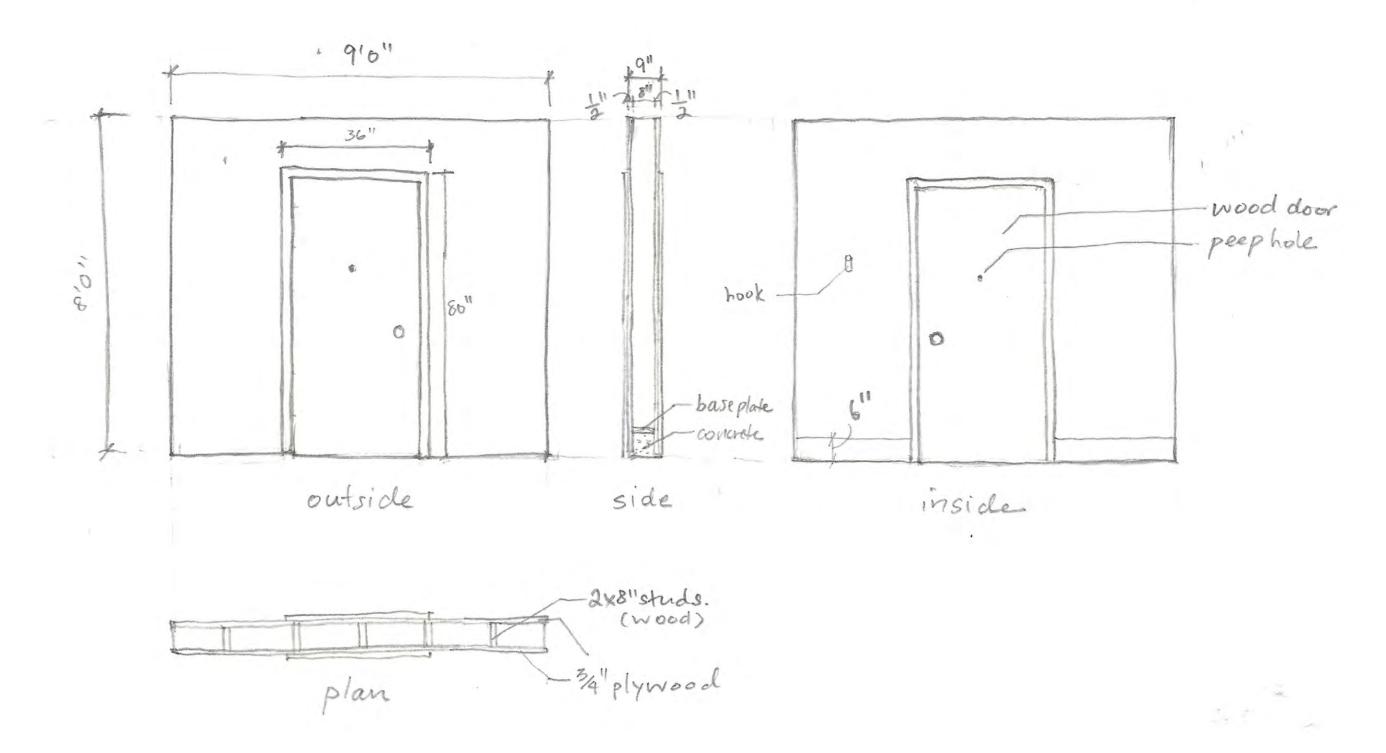
Does the snow become your carpet?

The visitor decides, in their imagination.

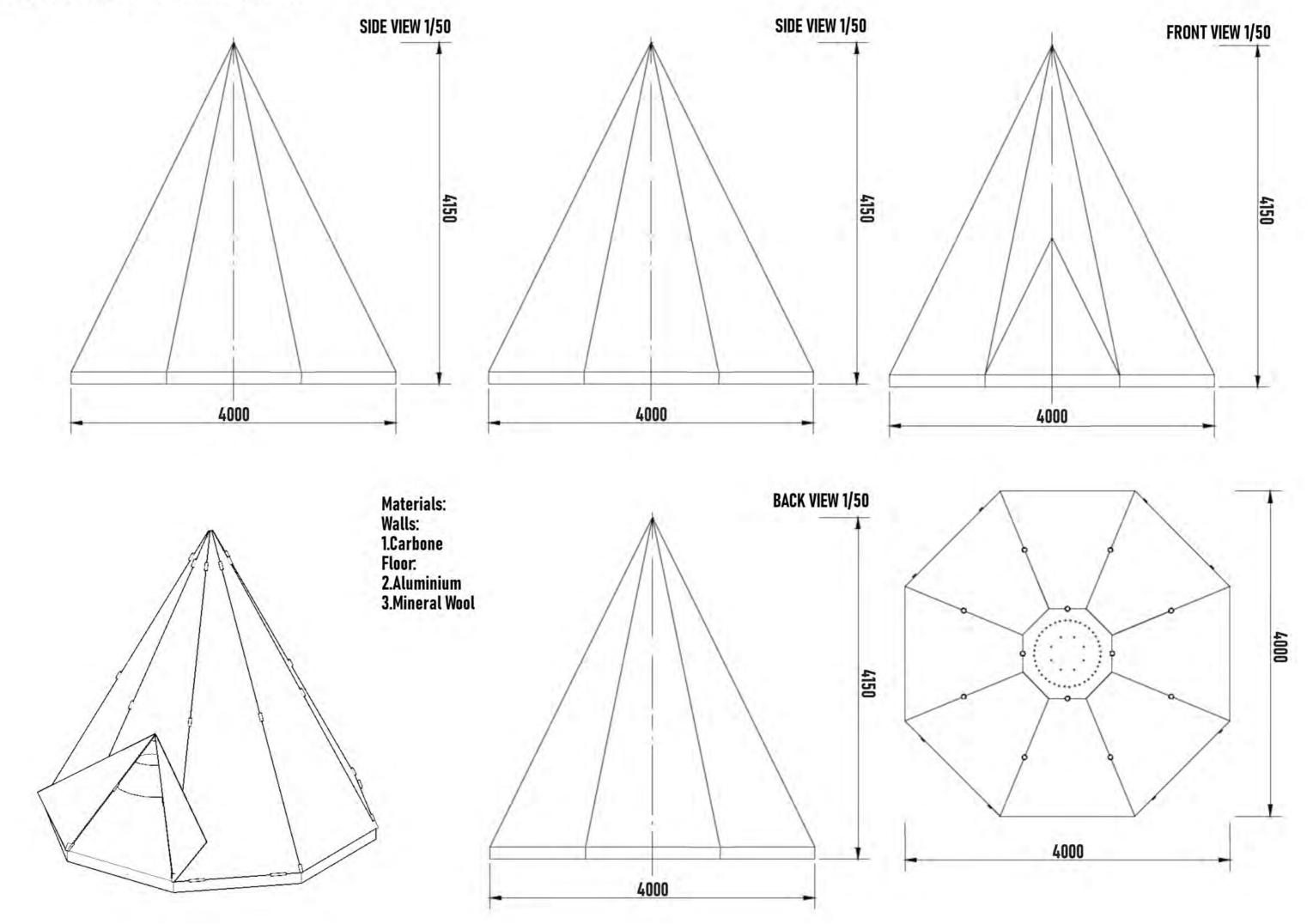


A PROPOSAL FOR WARMING HUTS 2023

DOOR TO THE HUT OF YOUR IMAGINATION!



Registration ID: WH-V2023-0003206



A warm place is for those who are cold not only outside but also inside.

Everyone will be pleased to stay with a friend in such a cozy warm place and have a fascinating conversation, even if you are alone, you can easily talk to a stranger. We can just offer a topic for conversation, namely to guess what the hut looks like, which in turn is also an art object. I put several associations into the concept: it may remotely resemble a maple leaf, or the feathers of Indians who once inhabited the territory of Canada, or it may be Viking spears, it may also resemble a bonfire or the opposite ~ a snowflake.







environmentally friendly material;

high thermal insulation performance;

dries quickly after getting wet;

natural inexpensive material;

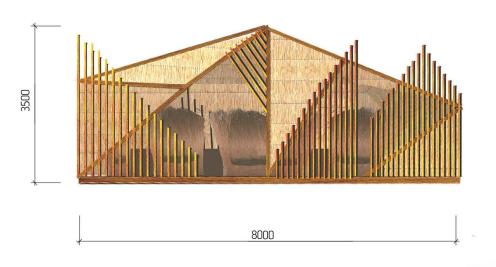
does not stray and does not stick due to the special structure of the stem;

easy to mount;

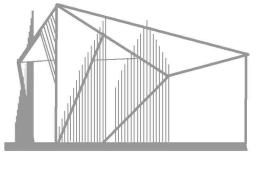
provides good sound insulation.

As for the materials, I used reeds, as it will not only retain heat, but will also let in air, allowing the room to "breathe". It is not susceptible to destruction by fungi and microorganisms. Also, rodents do not get started in such a heater, since they die when they come into contact with it. Due to the low weight of the material, when insulated with reed reed, the load on the foundation is minimal, which allows it to be widely used for construction purposes.

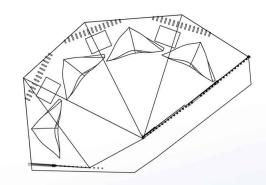
REGISTRATION ID: WH-V2023-0003208

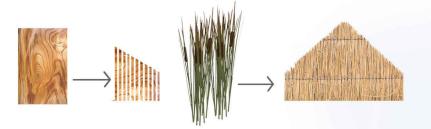


WARM PLACE



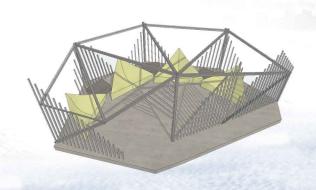
6000





MATERIALS

The leaves and stems of the cattail inside are divided into air chambers, which perfectly warm (or rather, do not allow heat to go into the ground and isolate your body from the cold ground).







Pot Pavilion WH-V2023-0003211

Envisioned as a sculptural piece, and as a shelter for The Forks, Winnipeg. Placing an emphasis on innovative use of simple materials and ease of fabrication and assembly. But at the core of the proposal, it's all about enhancing pleasure, providing an intimate setting and as a landmark for the Nestaweya river trail.

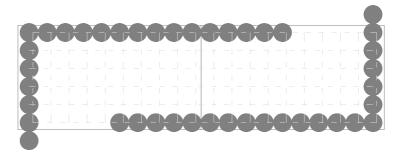
Pots are the primary material, which are stacked upside down to form a column and a group of columns makes a perforated wall. The idea of stacking pots is inspired from the great Endless column of Constantin Brancusi.

Pavilion from the outside I would say "Earthy rain on snow" The pavilion tries to touch the land lightly and ambitious about being abstract, like an endless thing. The roof is expected to get weathered with snow on top and land is also snow.

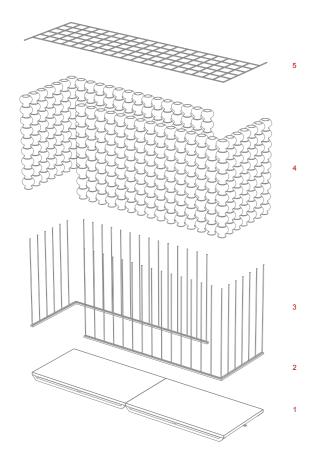
This place is basically an enclosure to rest, to watch the trail activities and to get warm. The Forks has been a great meeting place for thousands of years and this Pot Pavilion is an attempt to make it even more Intimate.







Plan 0 1 2 4M

















- 1- Given skids , two skids are placed on the shorter side joining together.
- 2 Metal frame holding the metal rods and skid together.
- 3 Metal rods for holding pots, pots are placed one above one similar to pearls are being knotted on threads, spacing of the metal rods are dependent on the selection of pot.
- 4 Pots are placed one above one upside down,(pots are drilled in bottom center for knotting on steel bars, and washers are provided for friction)
- 5 The ceiling framing holds the structure, each vertical metal rods are joined to a horizontal ceiling member, and a transparent sheet is placed above the grid for sheltering the structure and interior.

Earth, Envelop Me

Earth, Envelop Me envisions a monolithic earthen structure that protects the user from the harshest forces of nature during the winter season; while also remaining transient and easily broken down without much impact later on.

Upon entry, you experience a gradual reduction in exposure. A quiet moment of repose can be found behind a curved earthen wall that envelops you. The low winter sun continues beaming down from the south.

The materiality of the structure - mudbrick - is an ecological response that also fosters community engagement and the democratization of the building process. *Earth, Envelop Me* serves as a showcase of alternative design practices that can be easily adapted for many uses.



Mudbrick - composed of loam, clay, sand, and straw - requires engagement on a human scale, working with hands (and feet).

Does Not Require:



High



Power



Specialization





st N



North



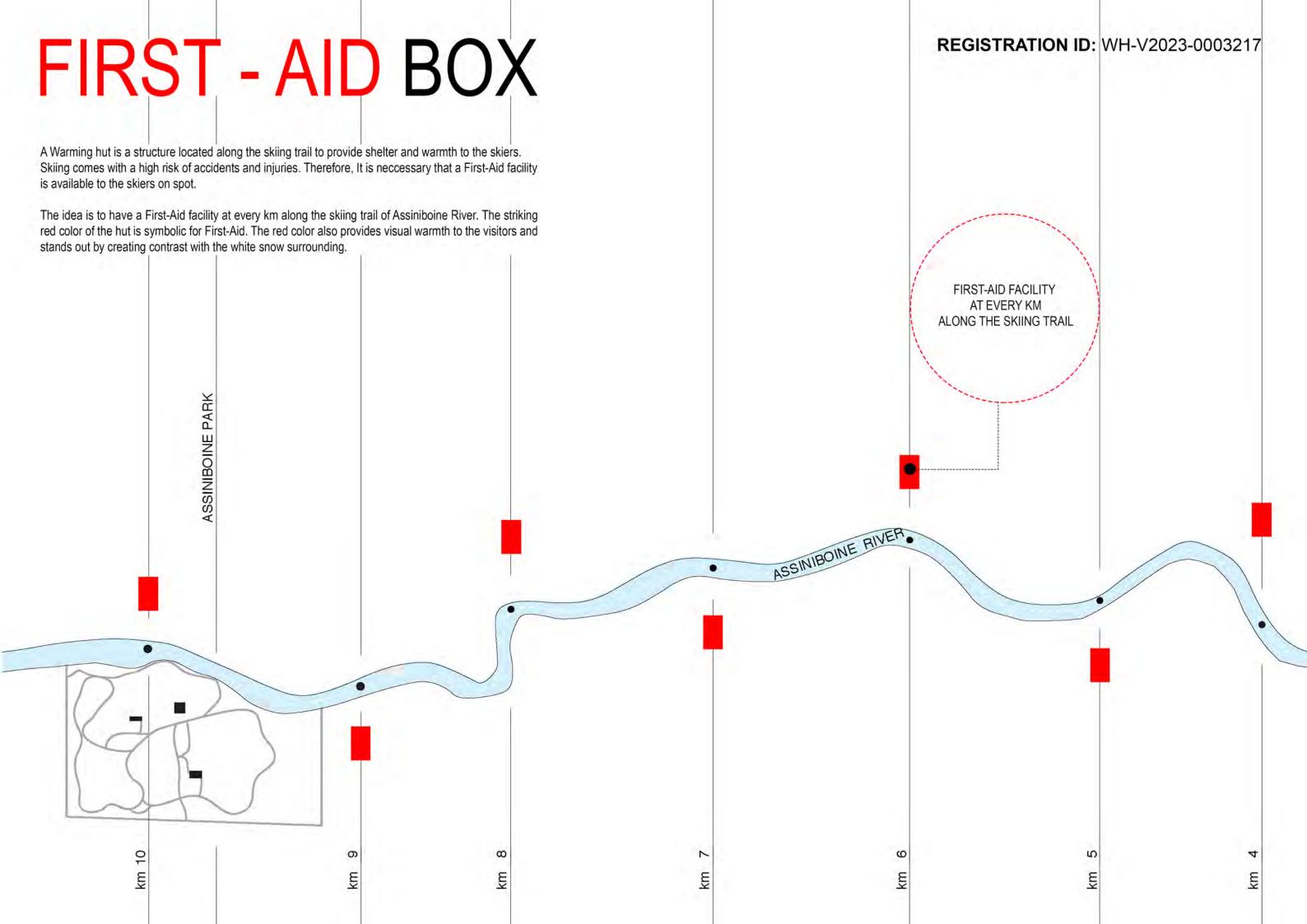
West

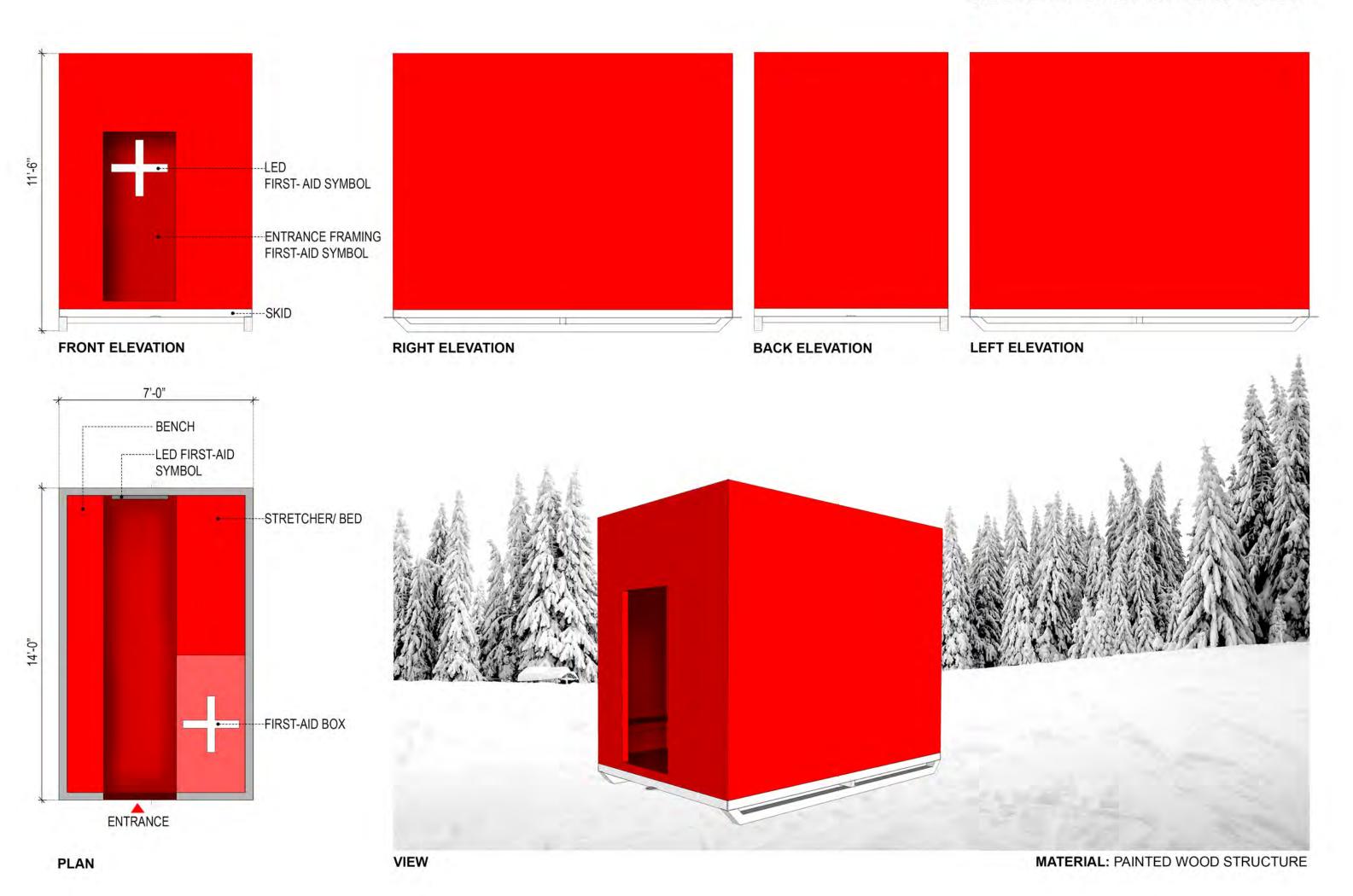


South











FOLDED ROCKS DANCING RIVER

At the intersection of the two rivers, the installation seems to be softly laid down, like an origami sculpture. It recalls certain rock formations, shaped by external forces. The pseudo-natural sculpture is made of a few metal plates that appear folded and interlocked. Two of these assemblies, in the shape of a 'V' in plan, create a place. At the same time protection and opening, refuge and gathering, it marks the outside environment off the top of its 4m.

The assembly is done in situ. The ground is worked and the anchors are prepared. Then, a first plan is erected; it is made of multiple metal pieces welded together, then shaped, sanded and painted in white. Scraps should be used, nothing is lost. The four folds are generated in this way.

From day to day, the landscape is modified by the installation that occupies more and more space. During this assembly stage, the citizen and tourists are getting more and more comfortable with this new environment. Getting more and more curious.

A chair appears. It is left there. And a second one.

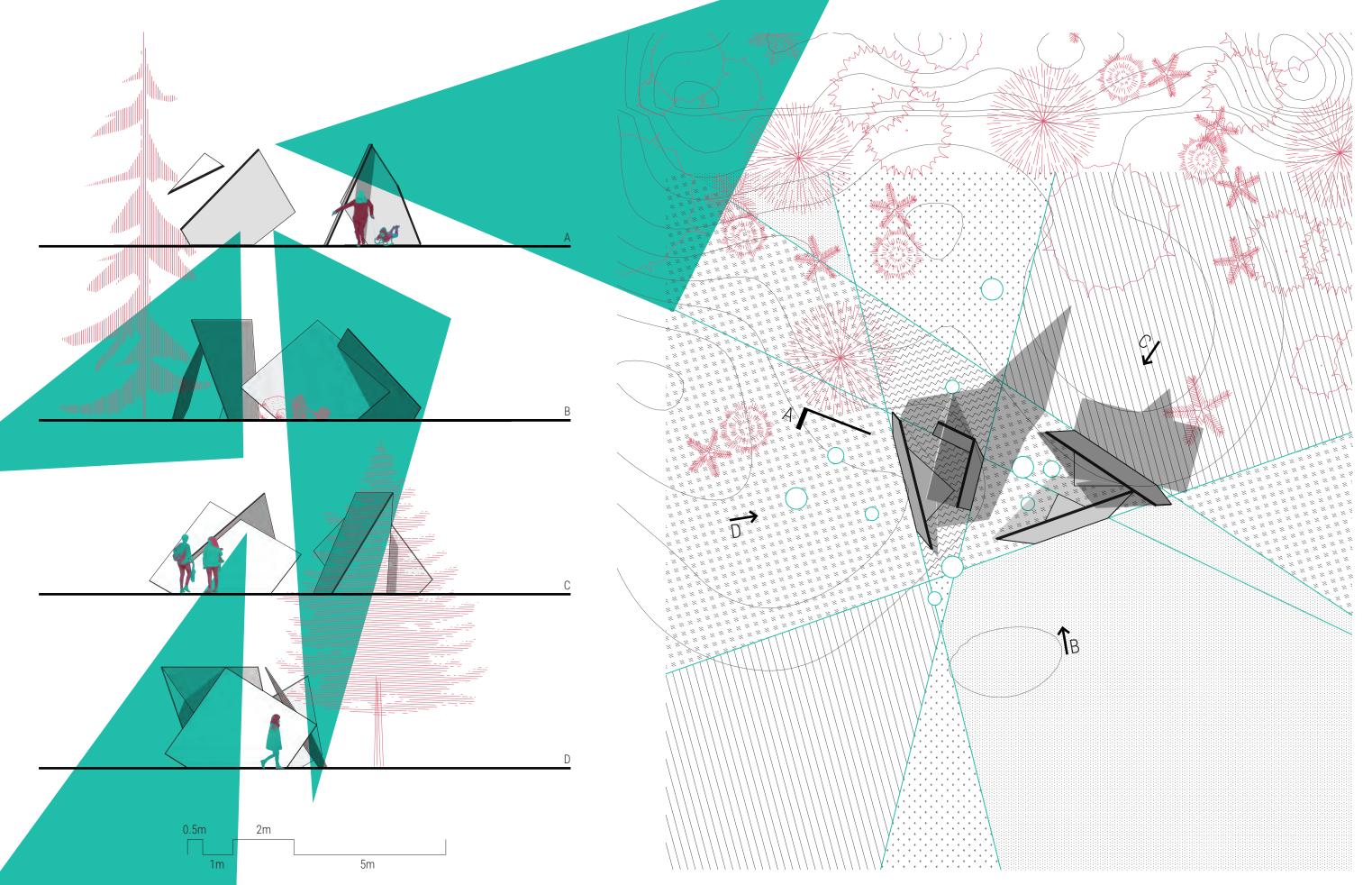
A surface is painted with the work of another artist or a visitor.

A campfire is lit at night, transforming the whole into a lighthouse.

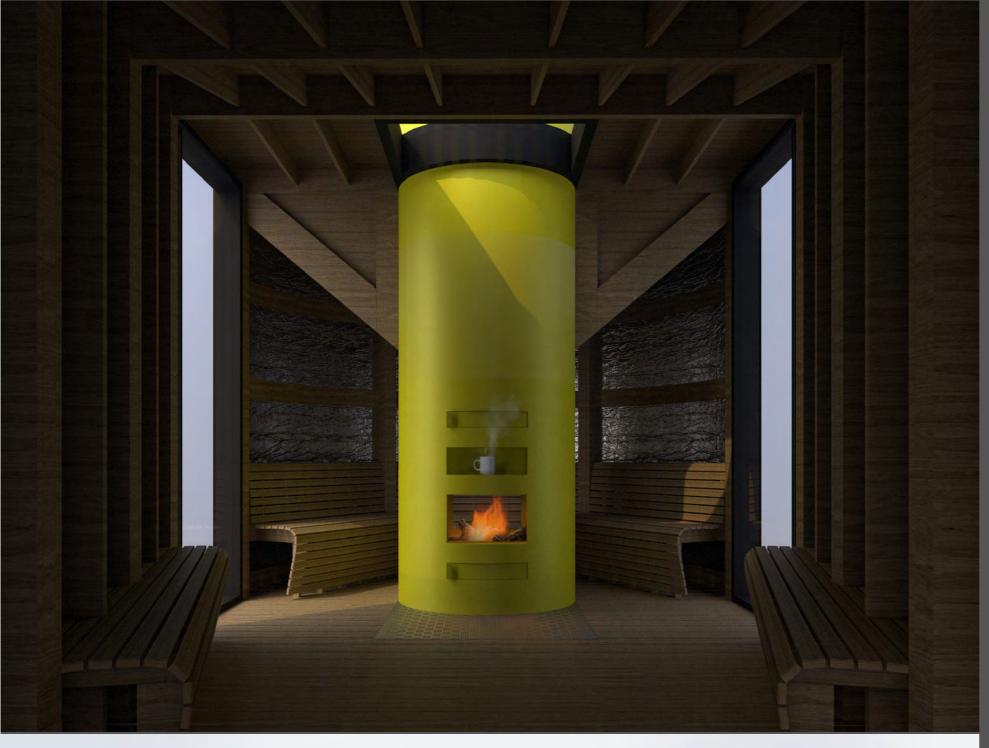
These folded rocks are solidly seated on the river.

As if they belong there.

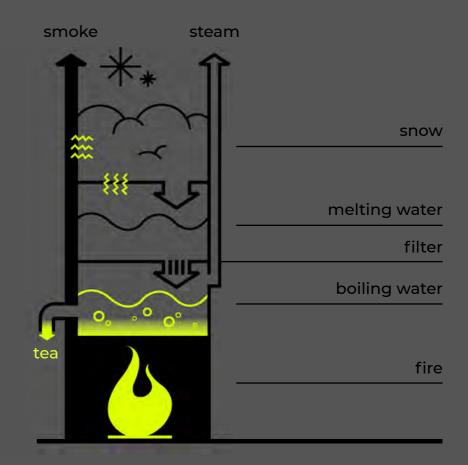
As if they have always been there, dancing with the water, the trees, the wind, the wildlife and the humans.

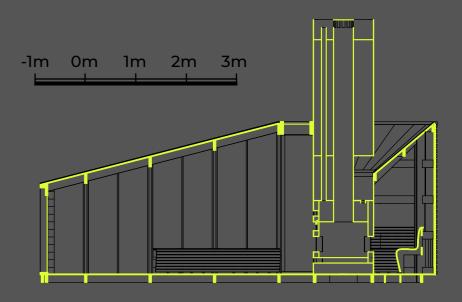


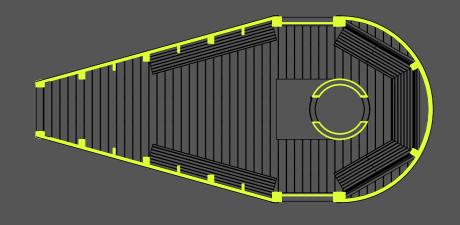
TEAHUT WH-V2023-0003226 During a winter walk, you encounter a dynamic shape of a structure. Is it a locomotive? A giant furnace? An alien spaceship? Whatever the case, you're freezing and you're curious. You bow your head to enter and walk towards the fluorescent yellow tube. You make hot tea, take a seat beside the fire and engage in conversation with strangers. Gradually, you get warm, both physically and metaphysically. The TEAHUT is a structure of wooden carcass, corrugated metal finish and foil heat insulation. It's main feature and purpose is in turning one of the coldest natural phenomenons-snow-intowarmth and coziness of the hot tea. Snow is collected via a funnelshaped roof. It directs it into the melting reservoir inside of the main tube, which utilizes heat from the chimney. Through the filter, water gets into the boiler situated directly above the fire. After boiled, it is ready to use to make tea. +5,050 +3,000 +1,820 +0.000









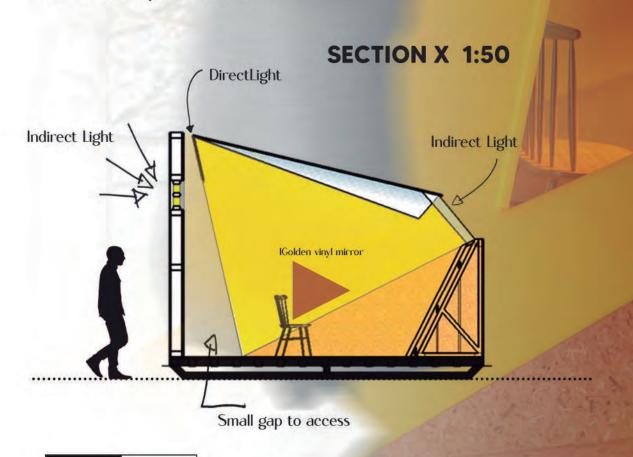


THE BARRAGAN HUT

Barragan Hut is a cabin for souls. Where is my perfect refuge? Inside of me. Currently, life's rhythm is untenable, everyone is running away from peace and calm preferring stress and disconnection of ourselves, Indispensable is to find places where we could find a reflection moment to cease this ill necessity to run up without stopping.

This hut rediscovers the values of serenity, beauty, and tranquility, values that I learned from one of the most important projects of Luis Barragan Morfin, (CAPUCHINAS CONVENT) project that changed and made me understand that we need time to chat with ourselves.

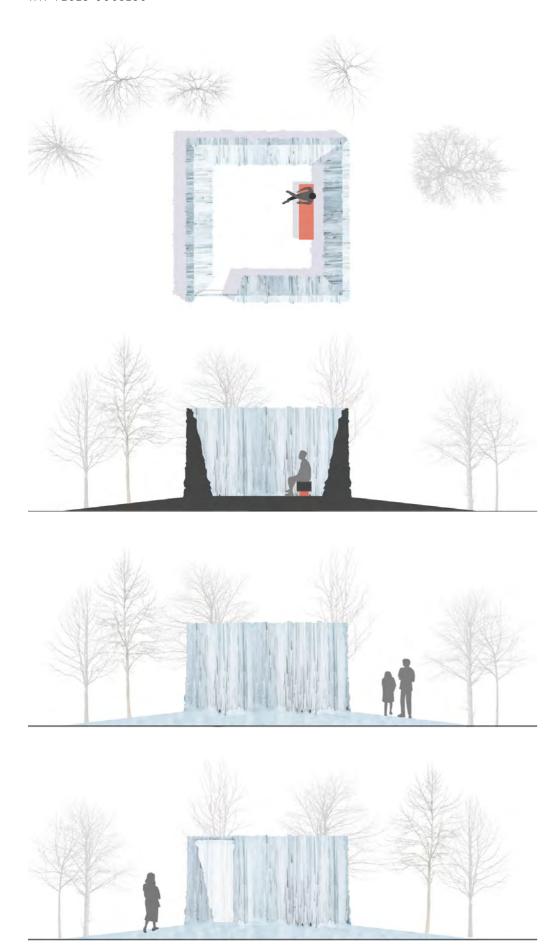
Through color, direct-indirect lights, and volumes, the atmosphere gets a yellow tone in its interior. that tonality transports us to meditate, ponder and make aware of who we are. It will be a breath and a sweet blow of hope to everyone. "Only in intimate communion with solitude may man find himself."



"Only in intimate communion with solitude may man find himself

THE BARRAGAN HUT **MATERIALS** Plywood OSB 19mm, Lumber 4x4, 6x6, 4x2. Yellow **DRAWINGS 1:40** Rainbow film PVC (or similar), White Paint: Nails, Staples 3.0 MTS. Yellow Rainbow Film PVC .90 MTS. .15 MTS. Plywood-White Paint .. .80 D-01 MTS. .40 MTS. .70 3.35 2.10 2.26 MTS. MTS. MTS. FRONT FACADE REAR FACADE LEFT-RIGHT FACADE Plywood OSB **STRUCTURE** PLAN 1.22 MTS. Plywood-Yellow Paint Wood 6x6 D-01 Lattice in structure Gold Vinyl Triangle Quote Ribs Plywood (@.30cm) Wood Chair Wood 4x2 Support BASE SECTION Y

CURTAINWH-V2023-0003230



Top right: Material reference of frozen waterfall as an ice curtain Top left: Floor plan (1:100), Middle left: Cross section (1:100), Bottom left: Elevations (1:100)

We believe that architecture should aim to achieve as much as possible by using the existing elements that a particular context provides. The ambition of this project is to take advantage of the potentials that we have at our disposal, in this case, the possibility of creating solid elements out of water through the climatic conditions of Winnipeg's winter. The key concept of this shelter is to emphasise the power of collaborations between human beings and nature.

A curtain of ice, like a frozen waterfall, defines an enclosed space that protects visitors from the cold wind while creating opportunities for warmth from solar radiation. The duality of the design consists of a simple man-made framework made of timber and ropes that will gain mass through the deliberate addition of water that gradually freezes and accumulates along the guides established by the ropes. Without the framework, the ice would not achieve the shelter's form. Without the ice, the framework would not be a shelter.

The visitors will engage with the shelter through a sequence of experiences, softly ascending to a higher level, entering through a compact threshold and into an open space of semi-translucent ice walls with a bench to observe the ice formations. The shelter will be constantly changing throughout the winter. It will increase in size whenever it rains or snows, and when the spring comes, it will get thinner and more translucent until openings begin to let sunshine in, revealing the assembly process of the structure. In this sense, it will be a record on this particular winter's weather, a subtle reminder of the fragility of our planet's climate as well as a modest hint of the many possibilites that working together with nature can offer us.





CURTAINWH-V2023-0003230





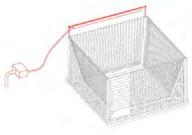




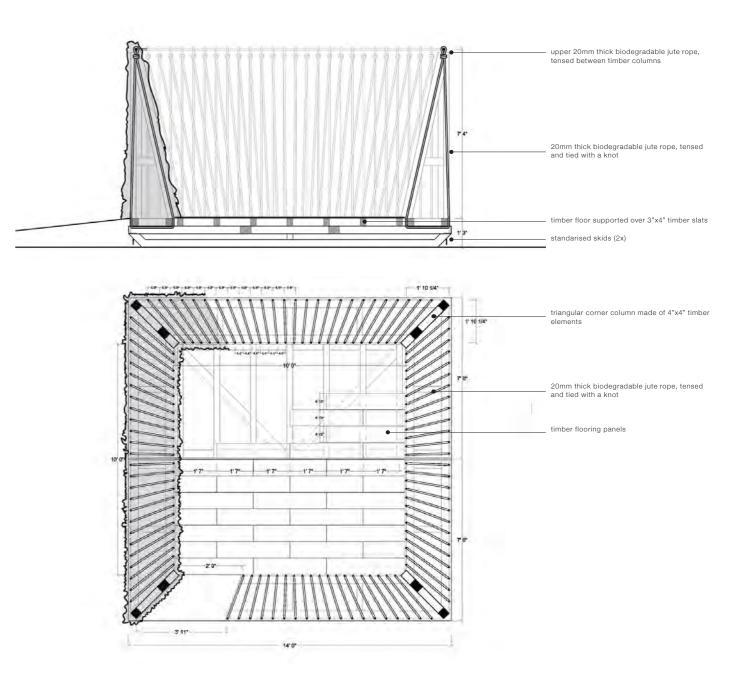
2. cables tied and tensed around structure



3. installation of timber flooring



4. water pumped from river sprayed over ropes with linear sprinklers



The proportions of the square space respond to the dimensions of two adjacent standard skids. Four triangular timber columns are fixed to a timber base in each corner, to which equally spaced ropes are tensed and tied, affording stability to the structure and a dense network for the ice to form on. The structure covers a generous area but utilizes a minimum amount of material. The timber and the biodegradable jute ropes are recyclable and will reduce waste to a minimum. The structure can be easily assembled in a warehouse and transported to the site in two separate pieces, simply positioning and tensing the pre-tied ropes once the timber structure is in place. A linear sprinkler (ideally using water pumped from the river) can be left in place during a few days for each side in order for icicles to slowly form over the ropes.









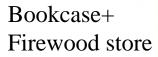
- The Book End of Time, 2013 by Tacita Dean visual reference
 The Tail End of Film, 2013 by Tacita Dean visual reference
 Atmospheric icing on electricity cables
 Asltworks #1, 2000 by Edward Burtynsky visual reference

The top cover

Warm library

My project * book and ice* it is a small library located along the nestaweya river. The main idea to my project is attracting visitors who love to read books and provide them another kind of reading with the beautiful frozen river surrounding the library also I want to do a valuable project with a less cost by using a simple structure consummate less and cheaper materials, my small library contains three principal elements that is: bookcase + firewood store, sitting area and the cover. I used the yellow color for the bookcase to make the space look warmer also I put glass material to bring more natural lighting from outside to inside, finally make a firewood place to warm the library.

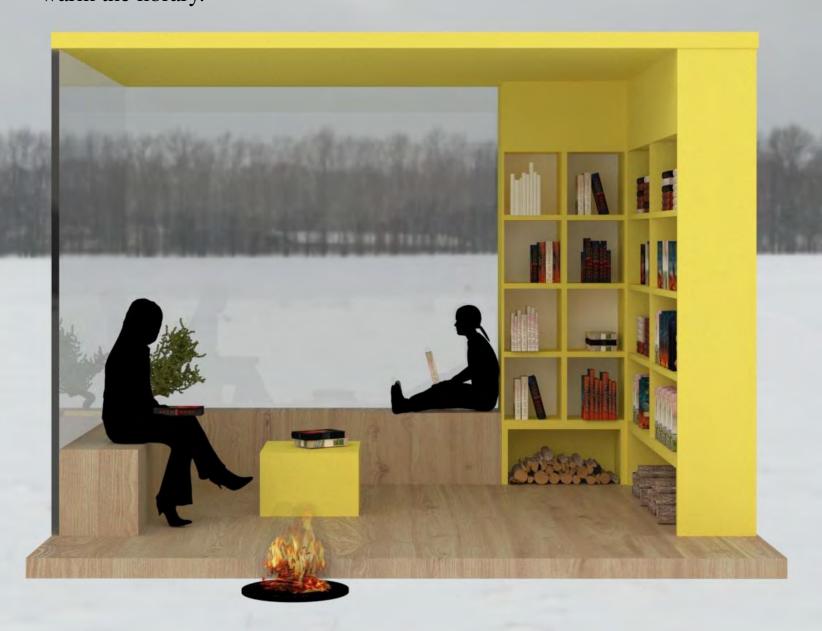
Glass-cover



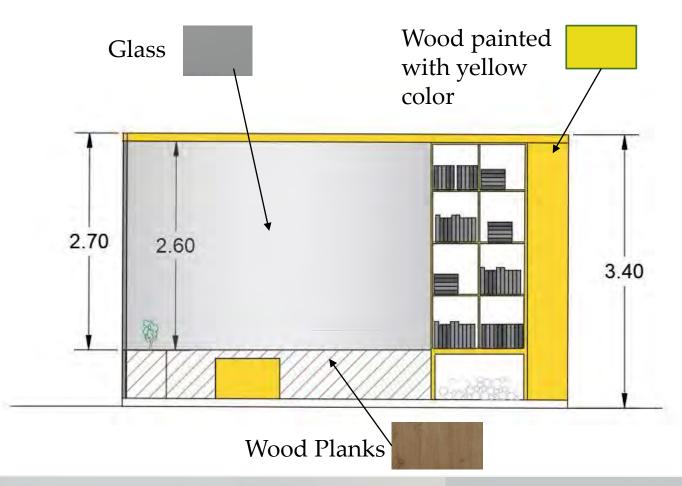


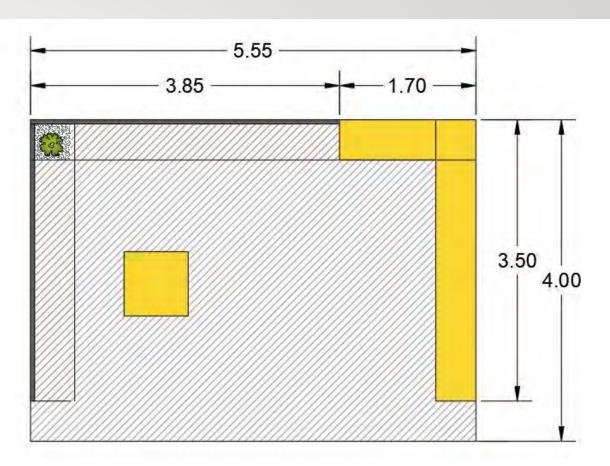






Warm library



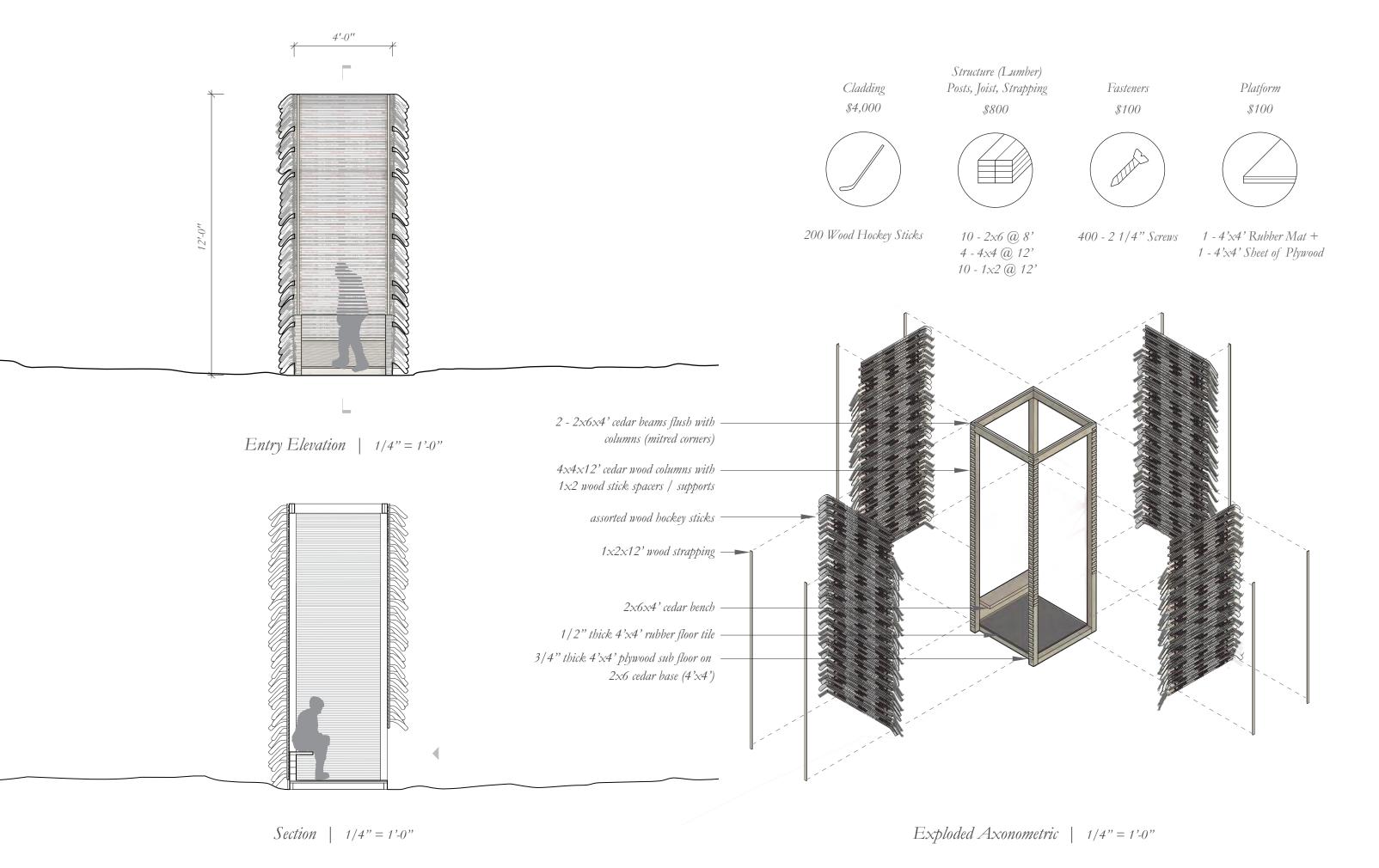






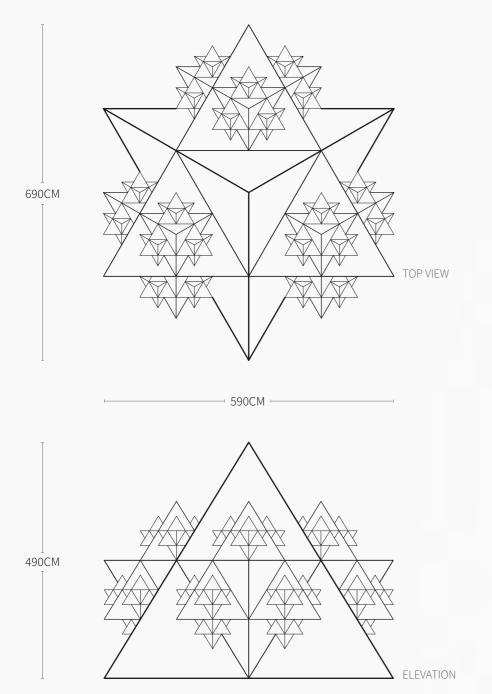
Warming Huts v.2023

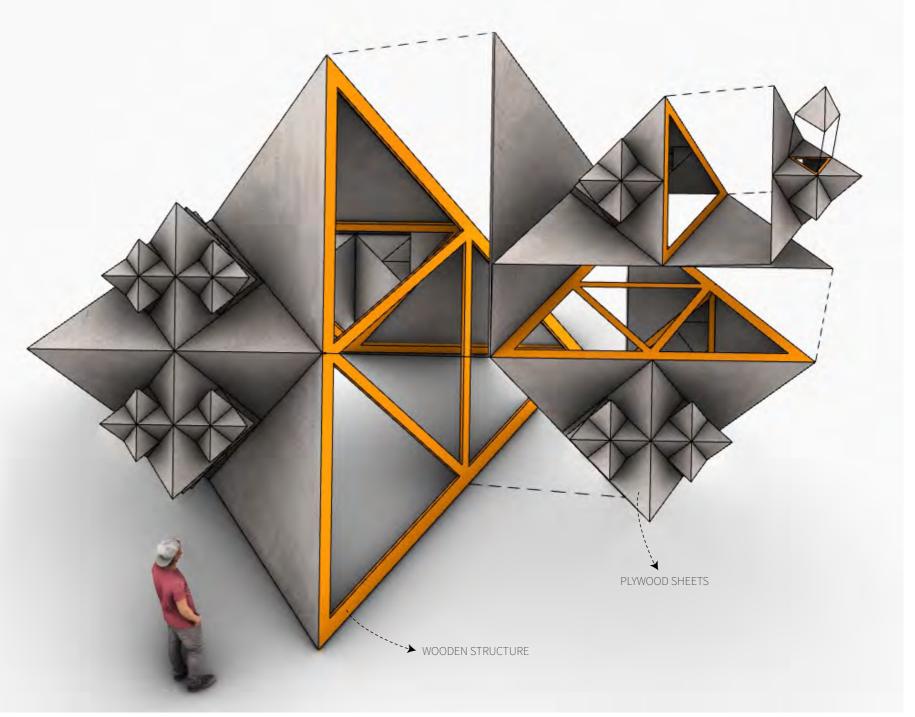


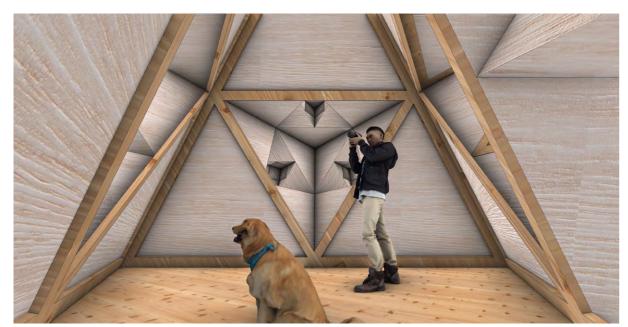


Registration ID: WH-V2023-0003235

'CONSTRUCTING A SNOWFLAKE' V.2

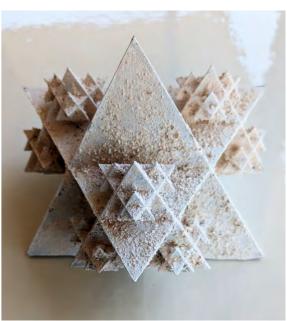












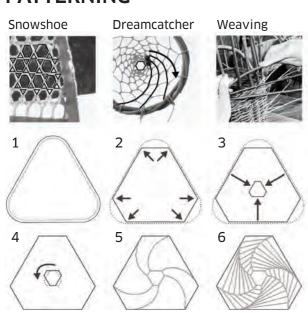
DREAM-QUILT

For thousands of years, the Nestaweya River Trail has been used as a means of transport, communication, and recreation. Dream-Quilt integrates a gentle intervention, or quilt, as a form of shelter that plays with changing apertures in order to frame views, interact with sunlight, and allow accessibility. The reference to dreams implies warmth and safety, while the mesmerizing patterns allude to the natural landscape beyond.

The geometry and material of traditional snowshoes and dreamcatchers initiated the design language. An aggregate of triangles, diamonds, and hexagons structure both; similarly, the triangle is used as a fractal throughout the structure and aesthetic of Dream-Quilt, bringing attention to the traditions and history along the trail.

Visitors are welcomed through an open threshold that allows inhabitants to enter the shelter of pattern, immersing themselves within the shadows cast by the geometry which wraps around the enclosure. The notion of a dreamcatcher is present as visitors are sheltered by wind, while being invited to peer through the threads to the framed landscape beyond.

PATTERNING



FORMING THE AGGREGATE



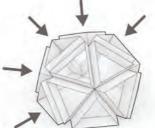


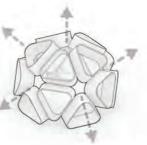






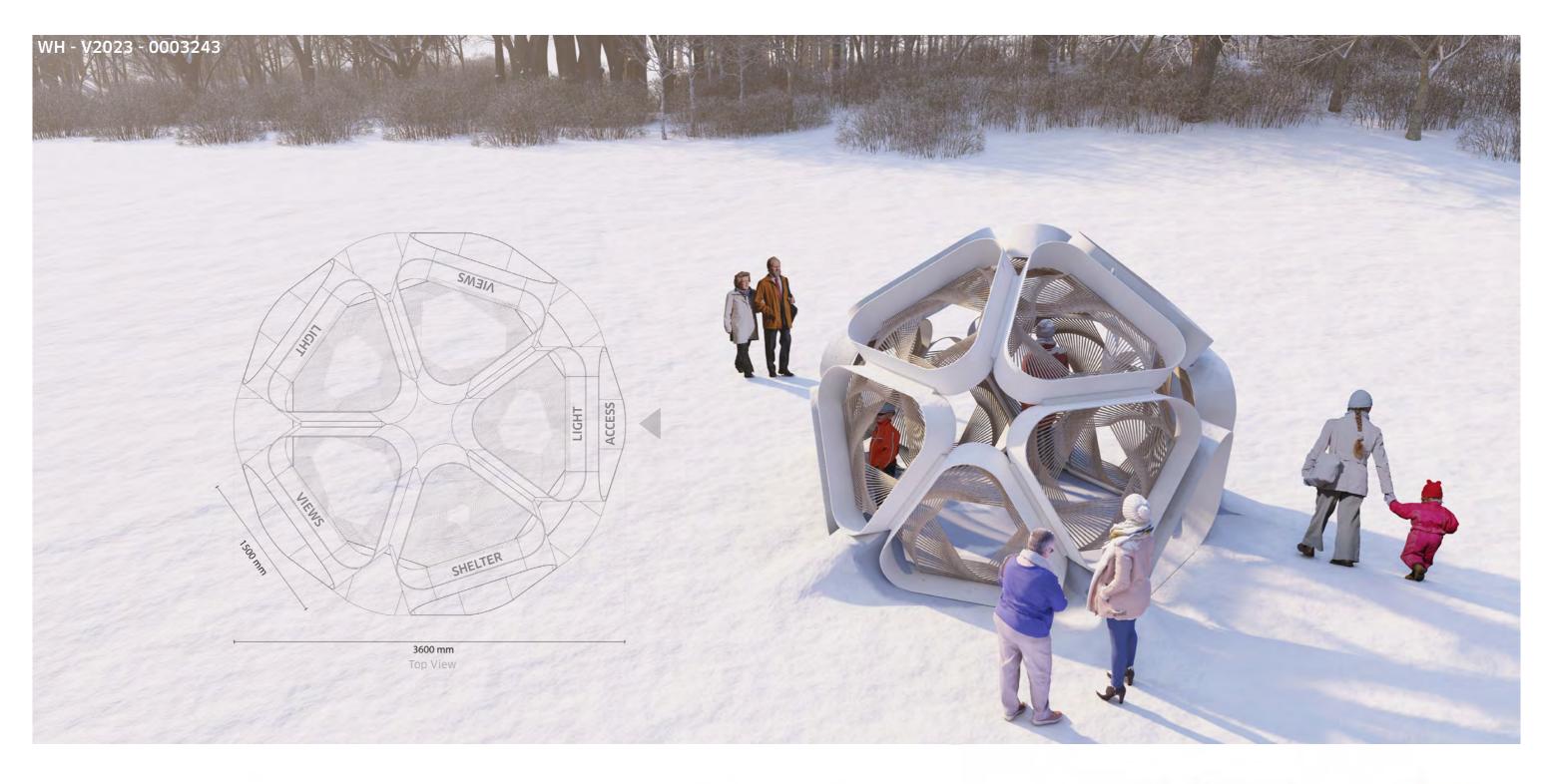


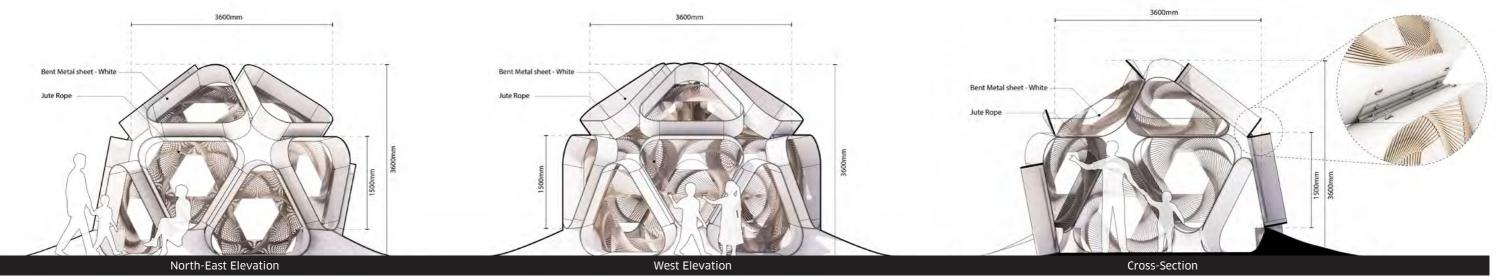












THE ESCAPE



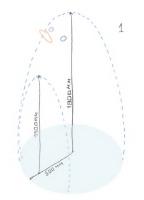


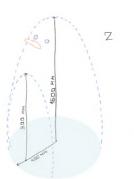


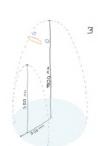




"The escape" is a stylistic idea of huts based on flightless birds of the Antarctic pole. How are they connected to Winnipeg city? Our team has invented a story that reveals the meaning of the name itself. There is a national zoo in this city, where the penguins were bored surrounded by the aviaries, and they escaped. And they decided to settle down by the Nestevaya River. Now, together with the locals, penguins have fun on sunny winter days, and when strong winds rise, they shelter people. But not only this property is inherent in huts. Penguins are made of snow, so locals can add different elements to them and paint. Their shaped are unstable because of this. At any moment, due to the creative impulses of local residents, they can acquire a new look.









Each hut is individual and has its own height and diameter. They are also seasonal and easily erected. The base is a metal frame with a chain link mesh. There is pressed snow both outside and inside the buildings.



The Idea of Warmth LDc: Amauti/Parka

The Inuit people have a 5,000 year history of survival and endurance in the north. The parka, or amaut, remains one of the most iconic symbols of their perseverance in one of the planet's most challenging environments.

"The Idea of Warmth <code>ALD': Amauti/Parka"</code> is a riff and nod to Glenn Gould's experimental and groundbreaking CBC series "The Idea of North, 1967-1977". Our work is intended to create a space where, similarly to our team's diversity, voices can overlap (termed the "contrapuntal" technique) and converge leaving the audience with the task of re-examining of our shared past, and present.

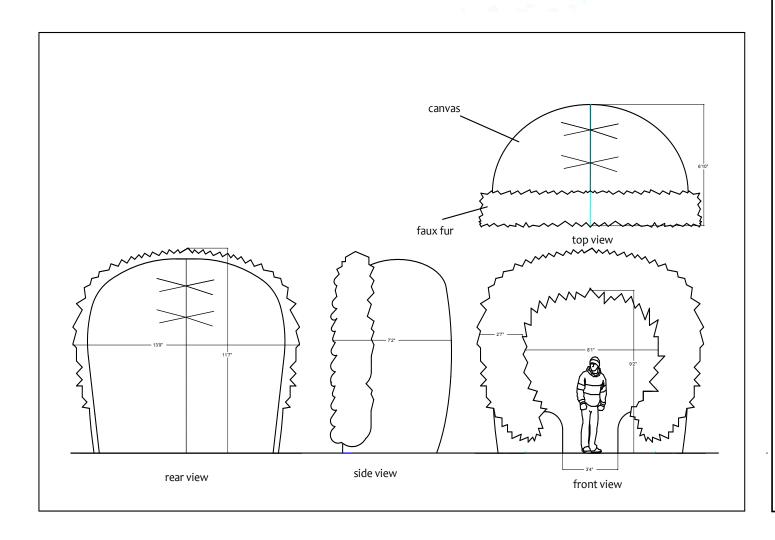
Designed to be easily seen from afar, yet as the viewer approaches, encircles, and enters the structure they will fully realize the details which our artists have imbued into the work. Interior seating spaces will allow viewers to experience the sensory details created by judicious use of dried skins and hides sewn into parts of the interior lining. The outside shell will be designed with materials to withstand years of exterior exposure to the elements yet it will be trimmed with traditional patterns, lines, Inuktitut syllabics, and ornamentation unique to the Inuit peoples.



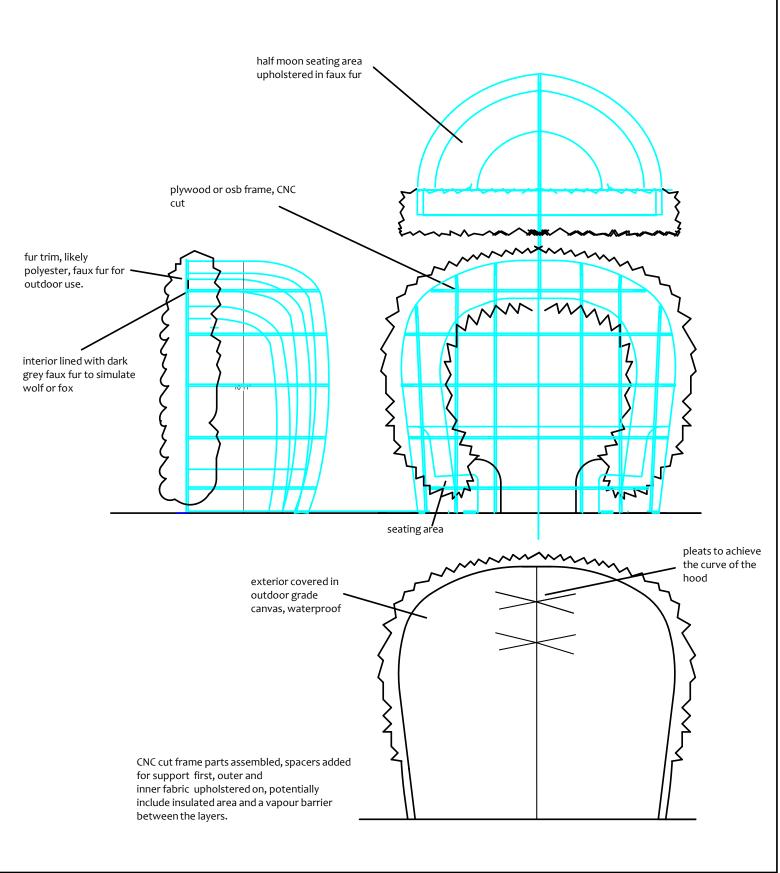
Registration no. WH-V2023-0003246

Four Elevation View





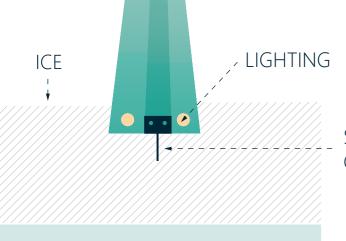
The Idea of Warmth ⟨L▷c: Amauti/Parka



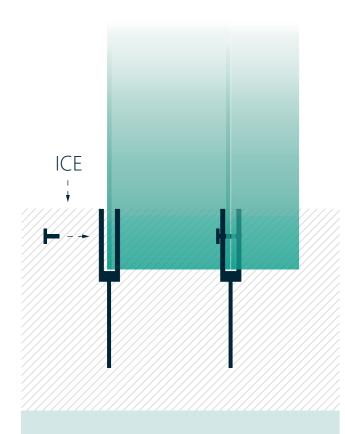


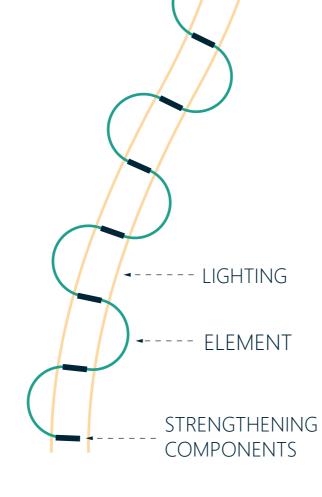
----- TECHNICAL SOLUTION

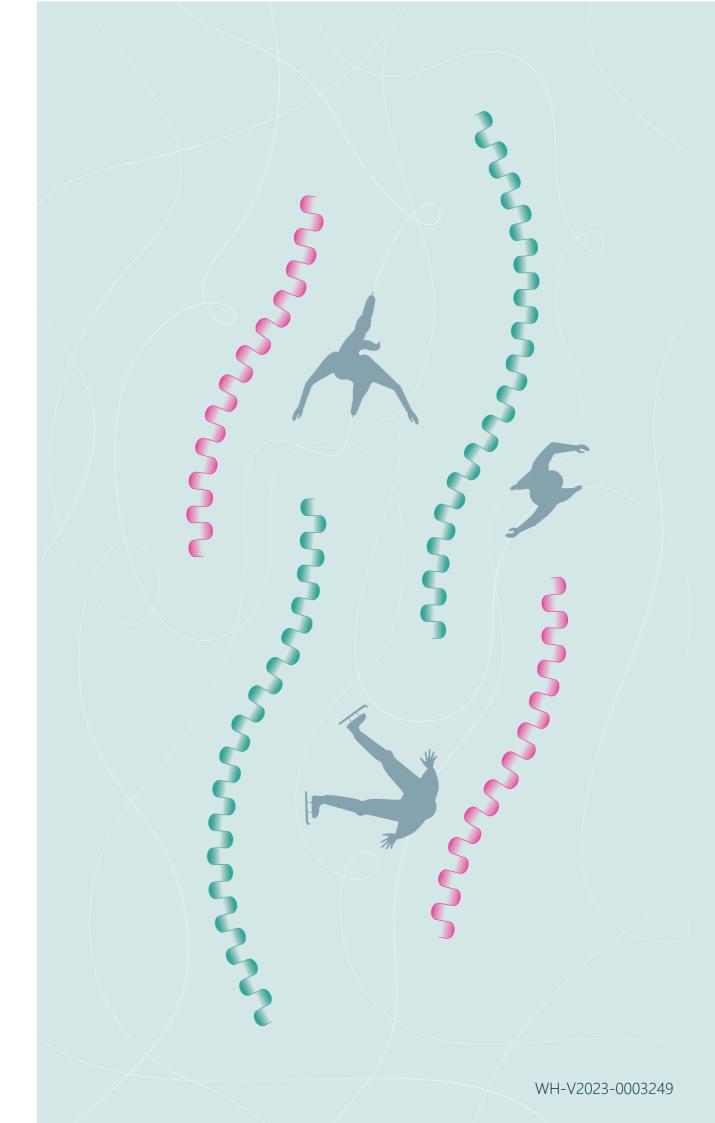
The designed object is formed of PVC components of various lengths and is enriched with gradient in two colour variants. Individual components will be embedded directly into the ice; in particular, they will be inserted in pre-dug channels and then sealed with ice. Each of the components of this structure will be bent at the base and attached using elements made of stainless steel that will maintain the desired shape and ensure that the components are interconnected.

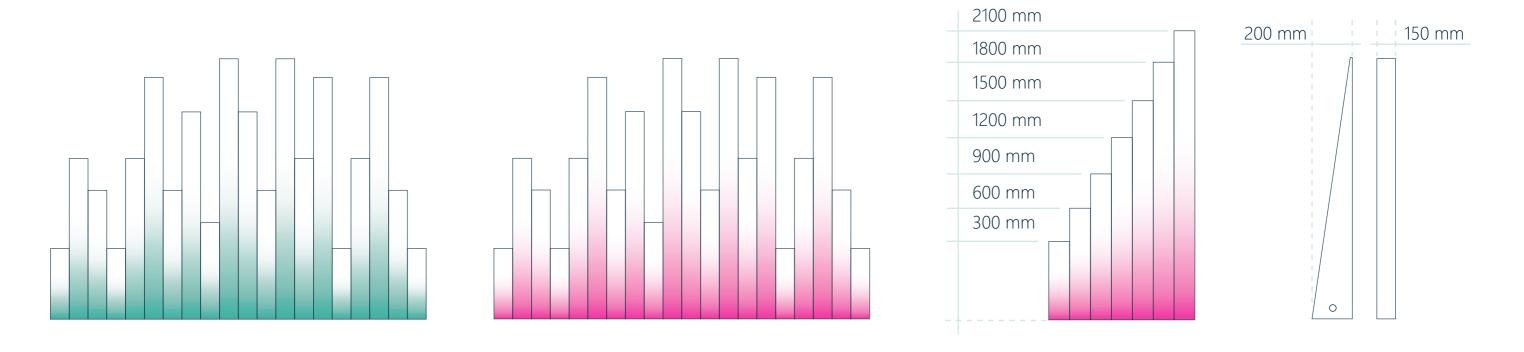












- Experiencing aurora borealis will be enhanced by a flexible light stripe illuminating the individual components in the evening.





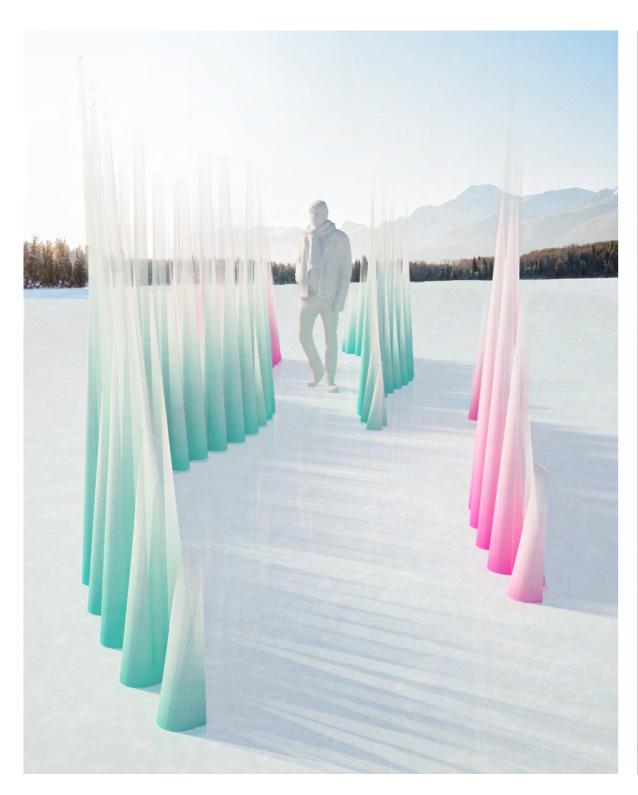
WH-V2023-0003249

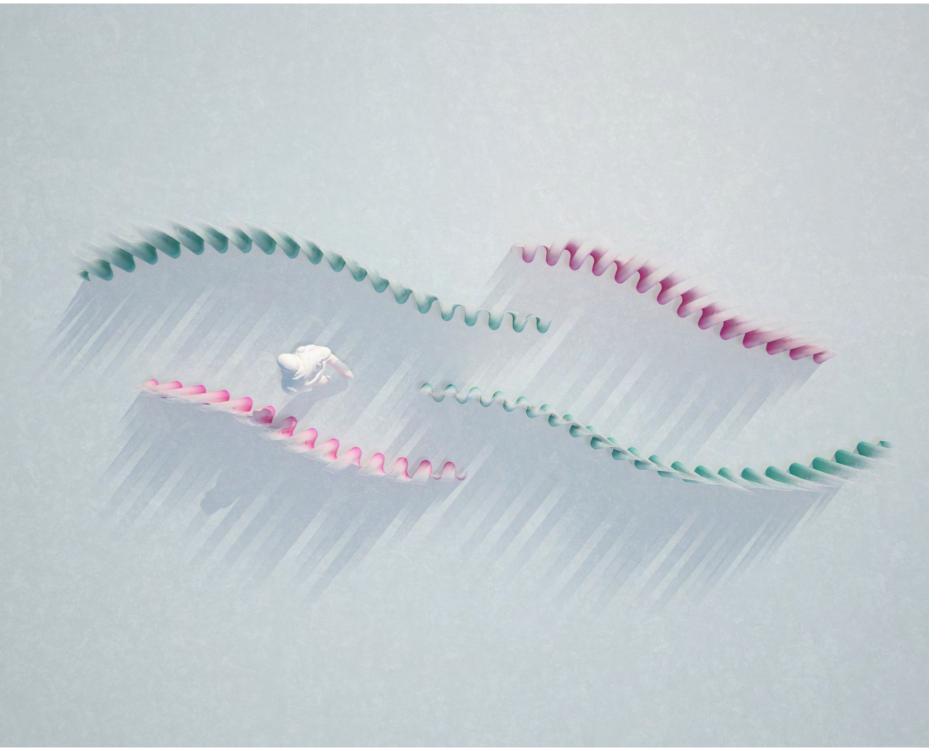
EMERALD 17-5641 PINK YARROW 17-2034



designing the attachments of the components, which will be bent in their lower sections and embedded directly into the ice, and the shape of which will gradually straighten upwards. This will ensure that the components will be tough at the base and stand upright, whereas their tops will be sensitive enough to make tender wavy movements in the wind.

► I have designed this structure on the basis of the fact that it will be located on a frozen lake, the top of which will form a solid base for the structure. This was also taken into consideration in







PROJECT SUMMARY: COLD AIR BALLOON

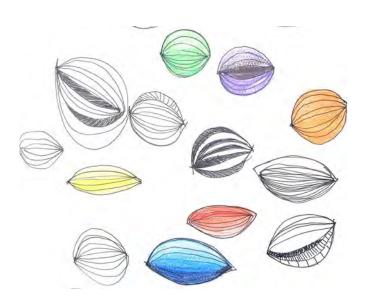
REGISTRATION NUMBER: WH-V2023-0003253

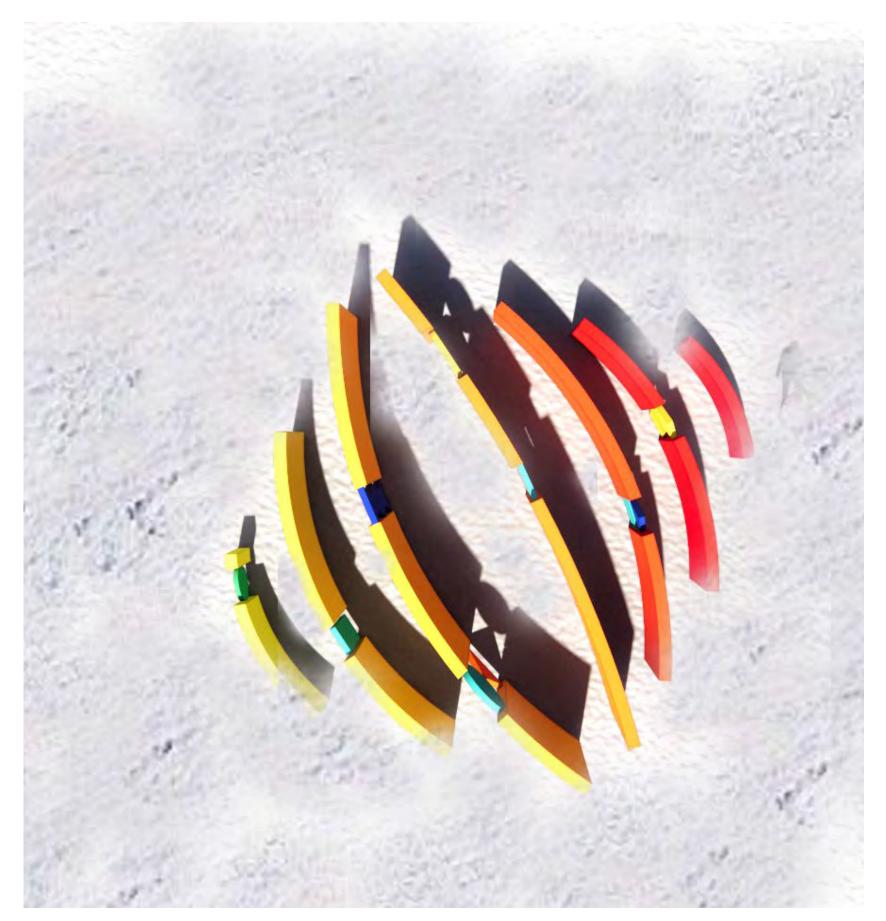
ASSEMBLY:
METAL PANEL ON WOOD STUD
& PLYWOOD

Inspired by the colorful imagery of hot air balloons in warmer areas in the world, this project builds up from abstract air balloon sketches on paper, creating this layered colorful metal ribbons on the snow to ignite some fun and exciting spirit for the visitors. Its overall curved shape, various heights and mixture of bright colors allow this warming hut to take on a different look from all angles. No matter where one approaches, it will be a unique greeting object.

In between the curved walls are passages for people to walk through. The tall walls shield the wind and offer spots to lean over. Movable panels inserted at different punctions allow people to take part in shaping this public sculpture as well as creating benches or coffee tables for rest.

The construction method is attaching painted metal panels to wood stud and plywood assembly. With the overall size being 30' x 30', the material and labor cost will be within budget.





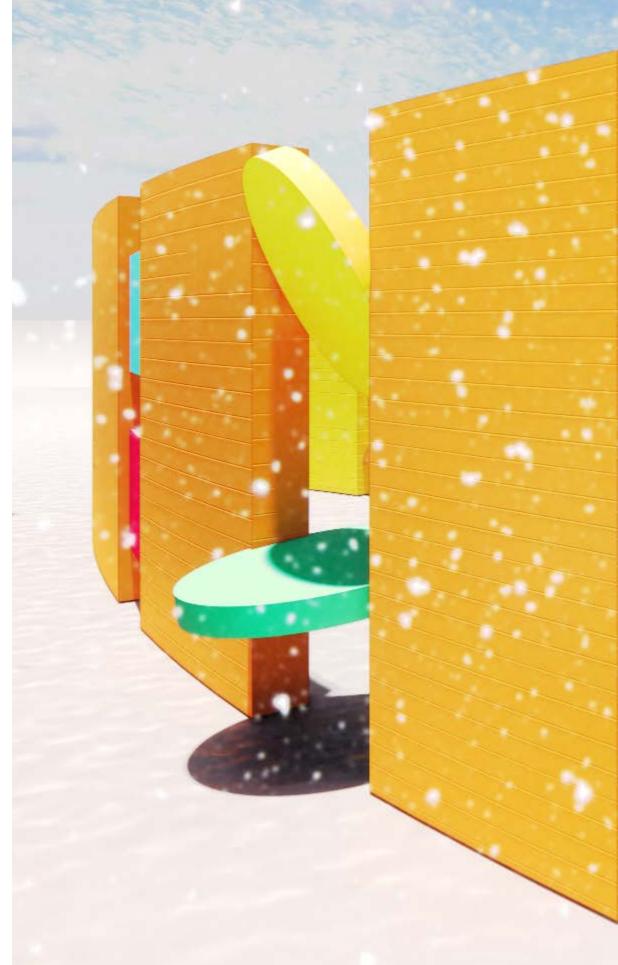
IMAGES AND DRAWINGS : COLD AIR BALLOON

REGISTRATION NUMBER: WH-V2023-0003253

ASSEMBLY:
METAL PANEL ON WOOD STUD
& PLYWOOD

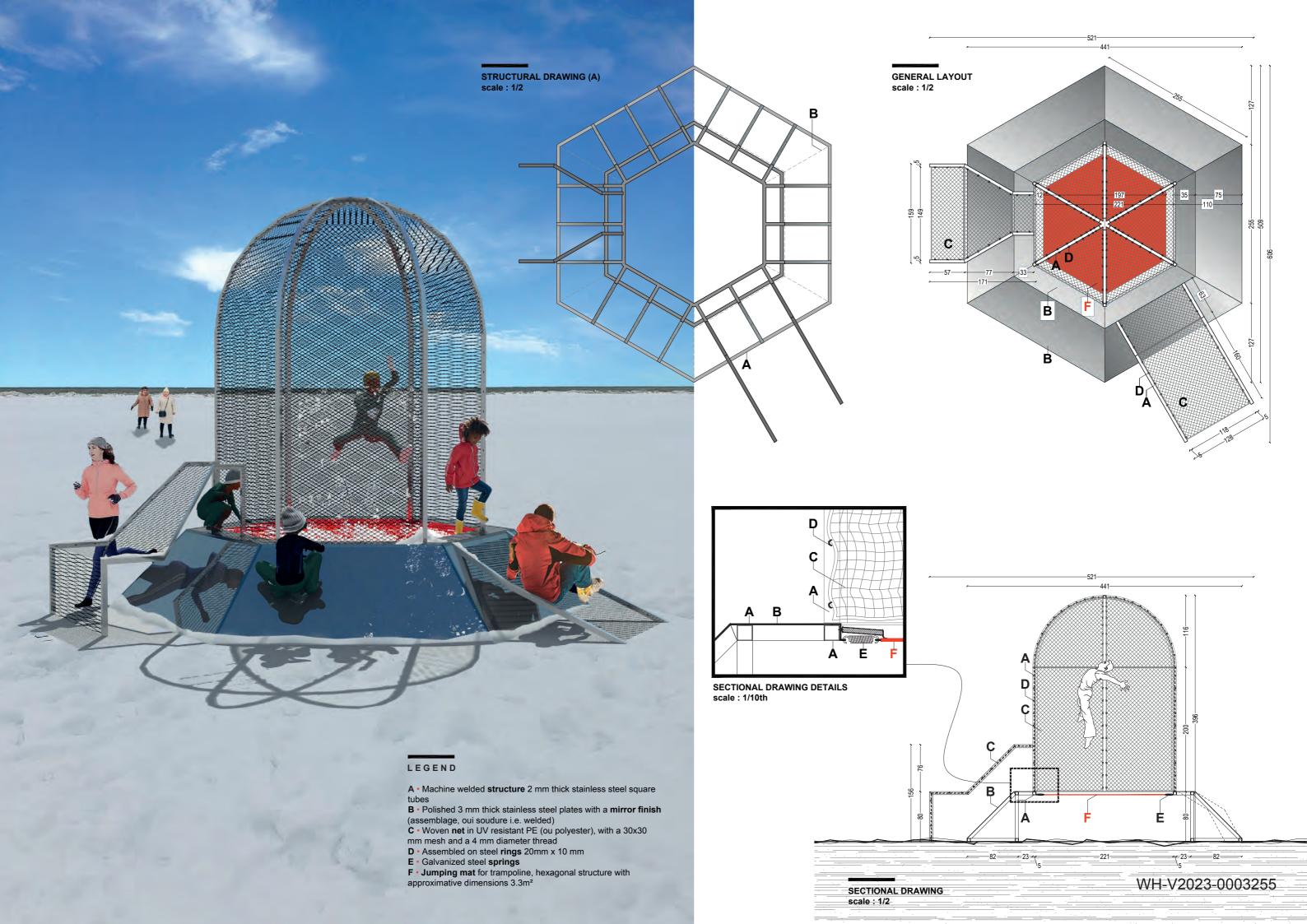






ELEVATIONS







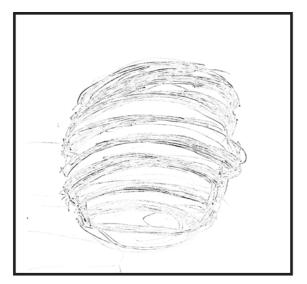
"Earth unraveling" is a sculpture und a space to enter. designed by the international all female team

Our planet is in trouble. Wars and climate change are affecting our future. Bees are dying, fresh water is getting scarcer, and biodiversity is decreasing.

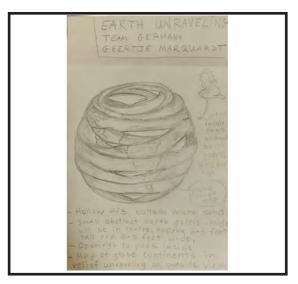
Every day we are losing plant and animal species. At the same time, the human population is increasing. How long can our planet survive? At the centre of our sculpture and surrounded by seating there is a female presence.

Mother Nature is necessary for life to go on. We need to wake up and act before it is too late.



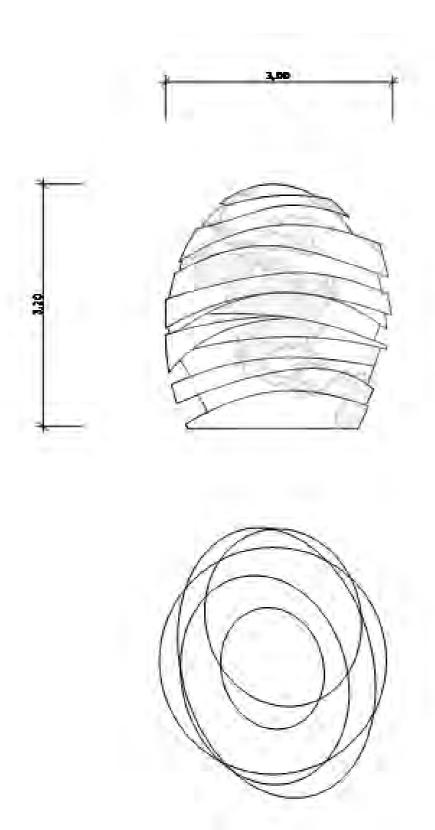


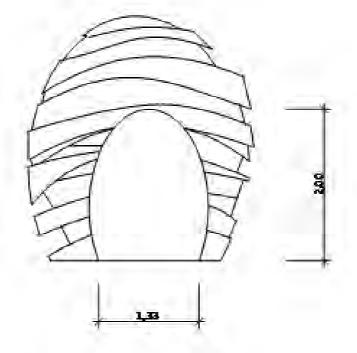






WH-V2023-0003256





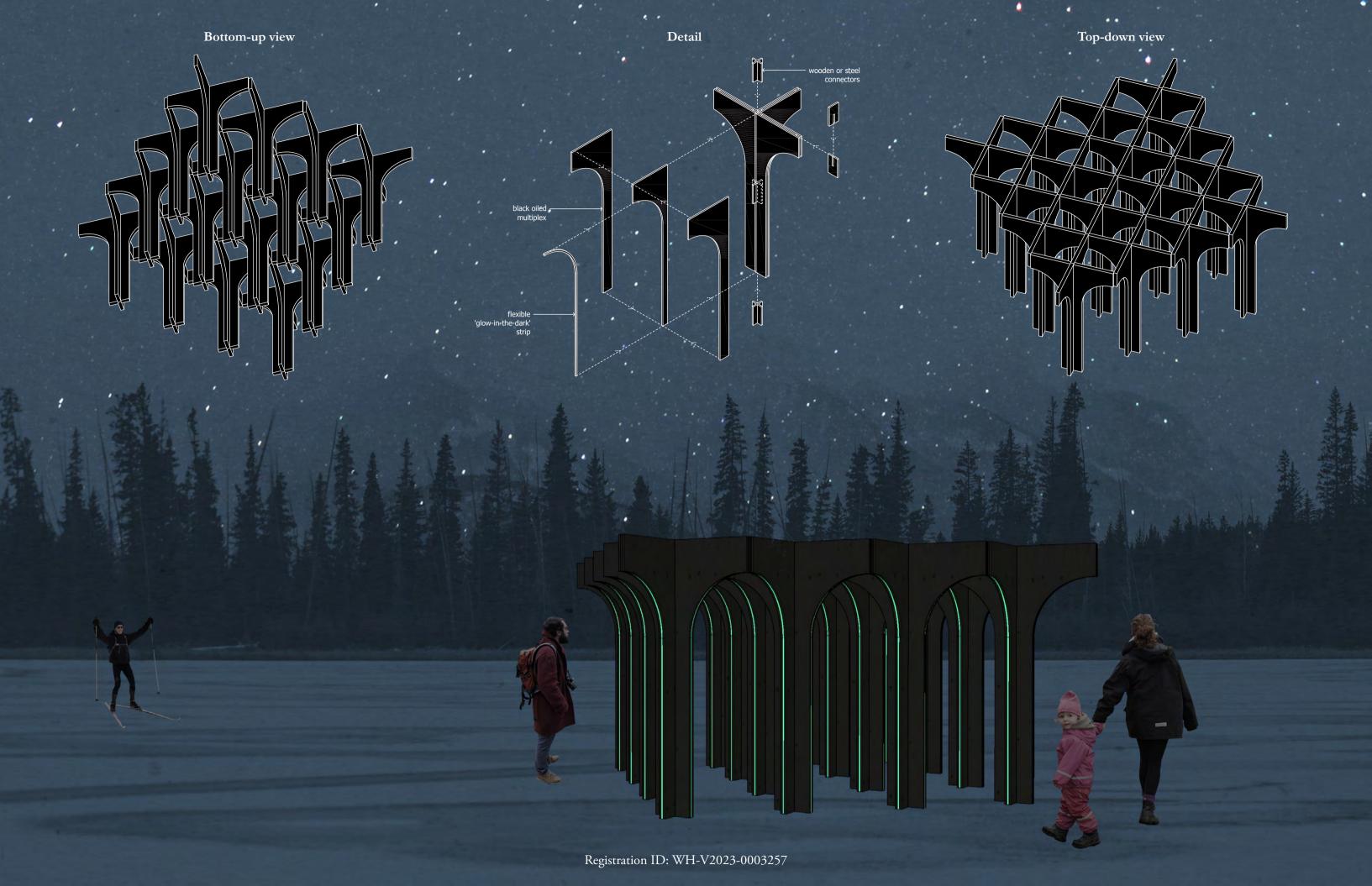
Steel frame construction / skeleton with bended wood attached

veneer wood from local wood around Winnipeg

engraved parts of continents

scale 1:50 units: metre

Arcadium Plan Elevation and section A series of arcades is placed in a repetitive grid under a 45° angle creating a 3 dimensional space. At the borders the arcades stop halfway giving the structure a sense of unfinished but also infinite. This, combined with the 45° angle, will give the visitors an ambiguous experience. The work will be experienced differently from different sides. From some sides as an almost closed black wall, from other sides as an open see-through hallway. The arcades are built out of identical pieces made of 3 layers of black oiled plywood mounted together. The black oil will give the work a graphical distinction from the surrounding white snow and ice making it stand out. The middle plywood layer is recessed so that a glow-in-the-dark strip can be placed in between the two other layers. This will accentuating the arcade form during evening and night time giving at an extra visual experience. If necessary the whole structure can be installed on two skids. Registration ID: WH-V2023-0003257





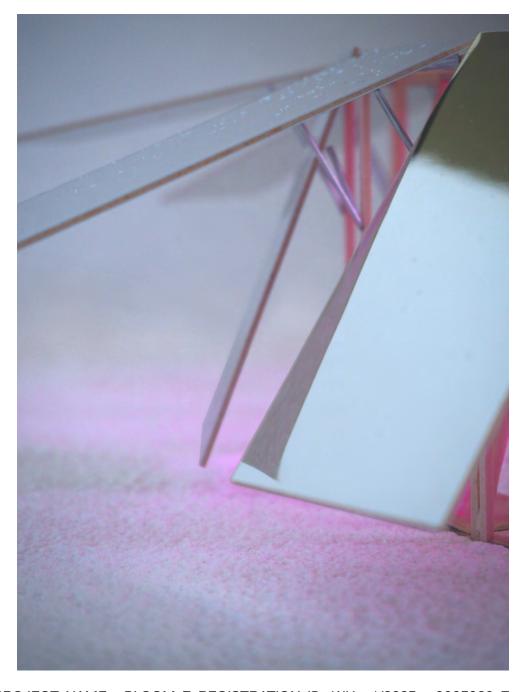


"Bud and bloom are in fact green leaves transformed. So in relation to the leaves and the stem the bloom is a revolution, although it grows through organic transformation and evolution."

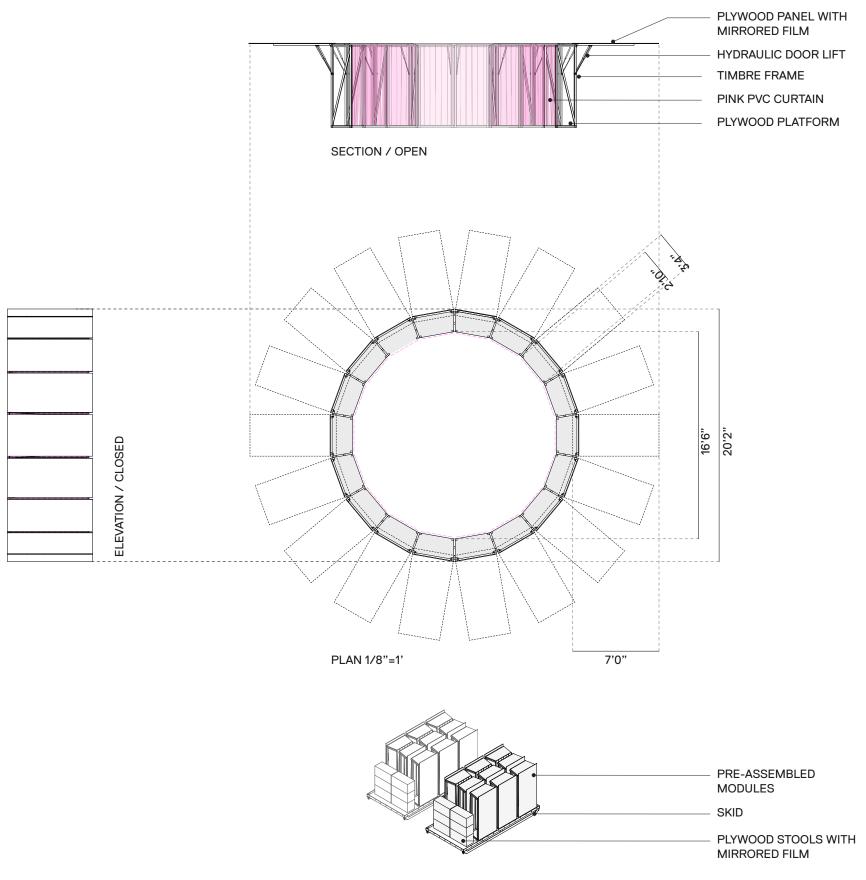
Joseph Beuys, Rose für Direkte Demokratie (1973)

We were drawn to the multiplicities of the Bloom. A simultaneous oscillation between a noun and a verb. The Bloom is an aesthetic event, and its very being is intertwined in a co-creation of memory and desire. The Bloom to us is also a performative act of resistance, its beauty is a revolutionary act. What better place to Bloom than in the frigid cold?

Bloom - Ambiguity in the mirrored surface. Distortions in its surroundings. A pink glow. A desire for fluorescences. An evolution through performance. Folding of ex/interior into in/exterior. A Re-negotiation. Growth. Decay. Disappears and Reappears. Transformations. Contingencies. Fluctuations. Affection. Ecstasy. All while indifferent to its witnesses.







BRUEGEL

DESIGN PROPOSAL

PROJECT SUMMARY





PROJECT SUMMARY

The warming hut consists of a semiopen space where you can sit down to relax, enjoy yourself and meet other people.

The hut has an openness which allows you to skate right into it, without any barriers. The openness of the design brings people together.

The seats are constructed from EPS hemispheres that gives you a warm feeling when you sit on it, because it reflects your own body heat.

The strange shape of the 'warming hut' is partly inspired by the construction in the drawing 'Luxuria' by the Flemish painter Pieter Bruegel the Elder.

That's why we call it the 'Bruegel Warming Hut'.

BRUEGEL

DESIGN PROPOSAL

TECHNICAL INFORMATION





TECHNICAL INFORMATION

The structure of the warming hut consists of 2 parallel metal tubes or profiles. These are connected to each other in various places by wooden beams and planks, creating a truss structure that helps ensure the stability of the construction.

The resulting surfaces are filled with coloured polycarbonate plates mounted between the beams.

The diameter of the polystyrene hemispheres from which the seats are made is about +/- 75 cm. They can be given a colour to match the colour of the polycarbonate plates. The 'table' and the sphere between the plates are polystyrene spheres with a diameter of +/- 100 cm.

On the inside of the hut LED strips are mounted which emit a warm light. For the power supply, a solar panel with battery could be installed on the wooden roof to power the lighting at night.

As another option for the lighting, the inverted hemisphere that protrudes above the hut could be a construction road light that illuminates the entire cabin instead of the LED strips inside. The light then acts as a beacon, visible from afar.

Dimensions of the hut: width: +/- 4,7m, height: 4,5m, entrance height: 3,4m, max height of the top sphere: 5,3m, depth: 3,6 m.

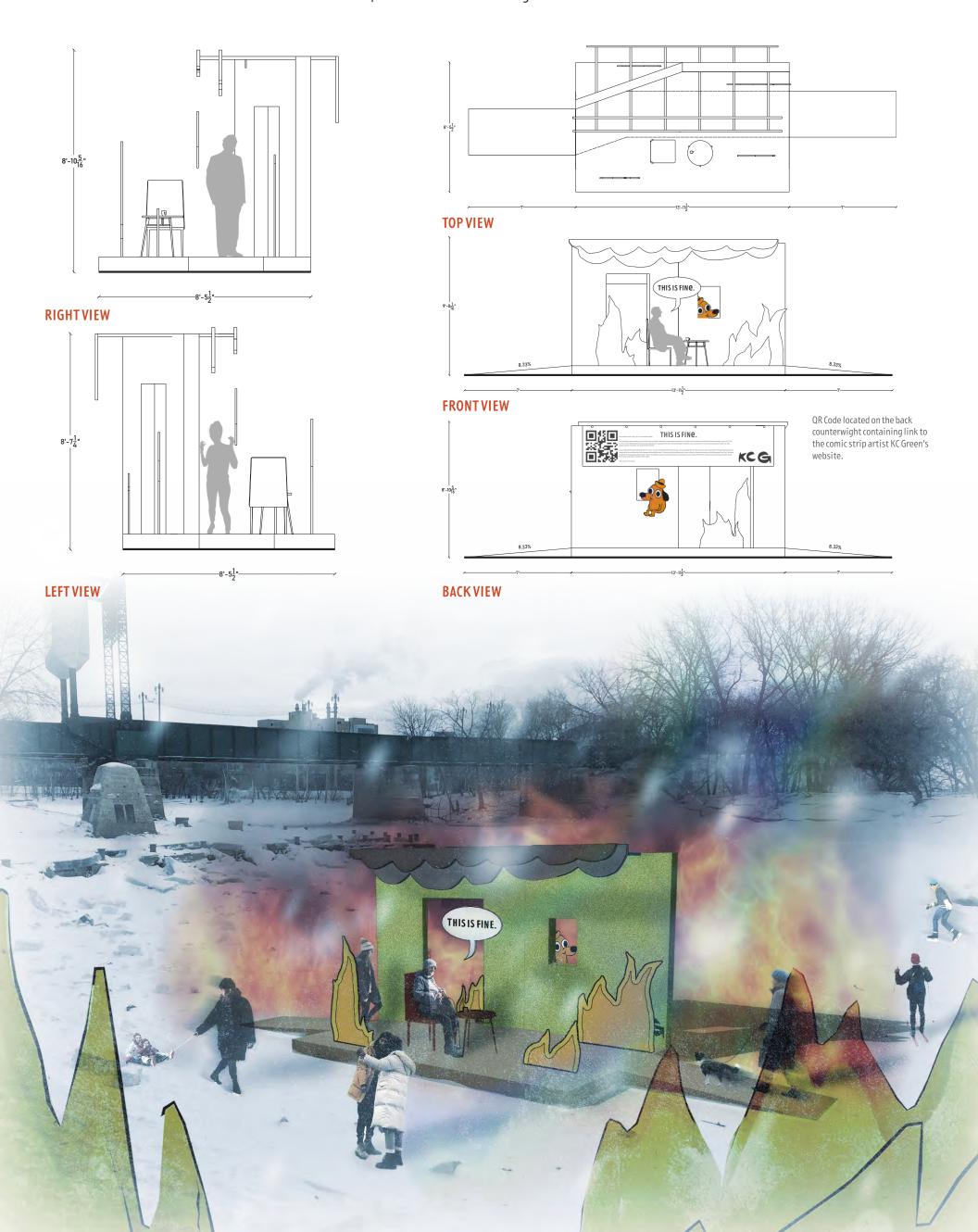


INSPIRATION:



 $\hbox{`THIS IS FINE' used with permission by the original comic artist KC Green.}$

We have obtained full permission from the original 'THIS IS FINE' artist KC Green.



UNDER OUR FEET WHERE LIFE BEGINS WH-V2023-0003263 With pollution, rain, wind, runoff and landslides, more and more sediments joins the bottom of the river and settles in piles in its depths. The rapid formation of these natural dams does not leave time for water and its beings to clear a new path. Biodiversity is then divided between its two sides. To make people aware of these morpho-geological and geographical changes, this installation offers the experiment from the point of view of the aquatic fauna and flora. Under the watch of the winter fisherman, people are invited not to remain spectators but actors by trying to make their own way through the pile of sediments which traps them. For this, they have to manipulate the elements of the installation to gradually free the way... An evolving and participative experience which aims to make people aware of the fragility of our ecosystems.

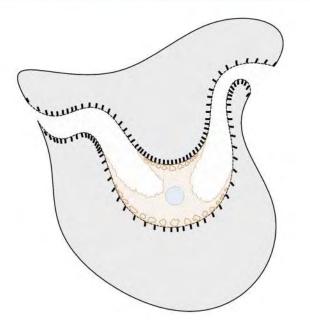
UNDER OUR FEET WHERE LIFE BEGINS

WH-V2023-0003263

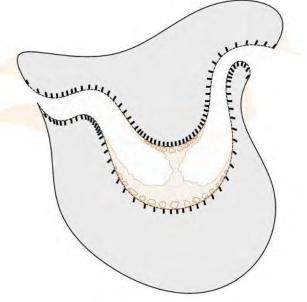




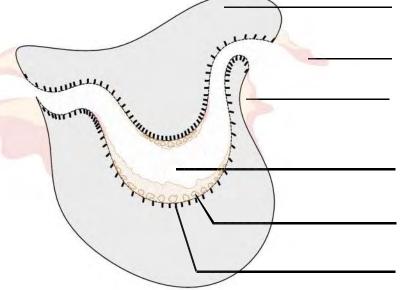




At First, sediments obstructs the way.



Then, people begins to move them.



Until completely clear the way.

snow skin : recreate a topographic ground to practice the roof

the lasts sediments moved

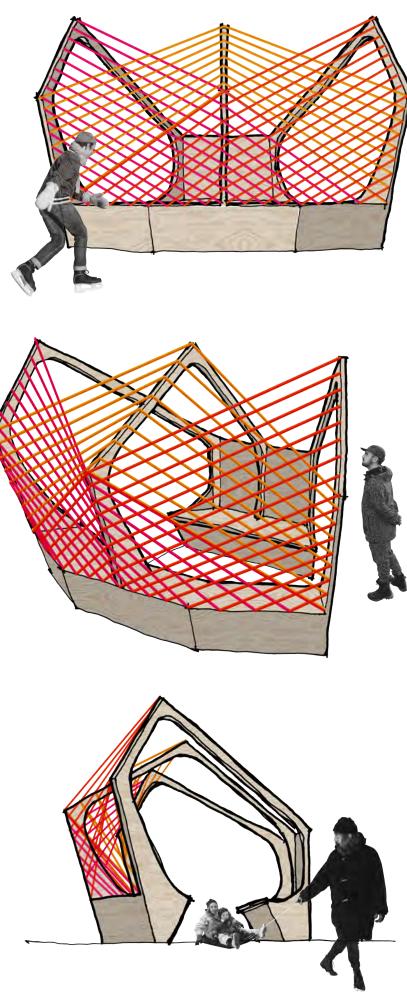
the firsts sediments moved

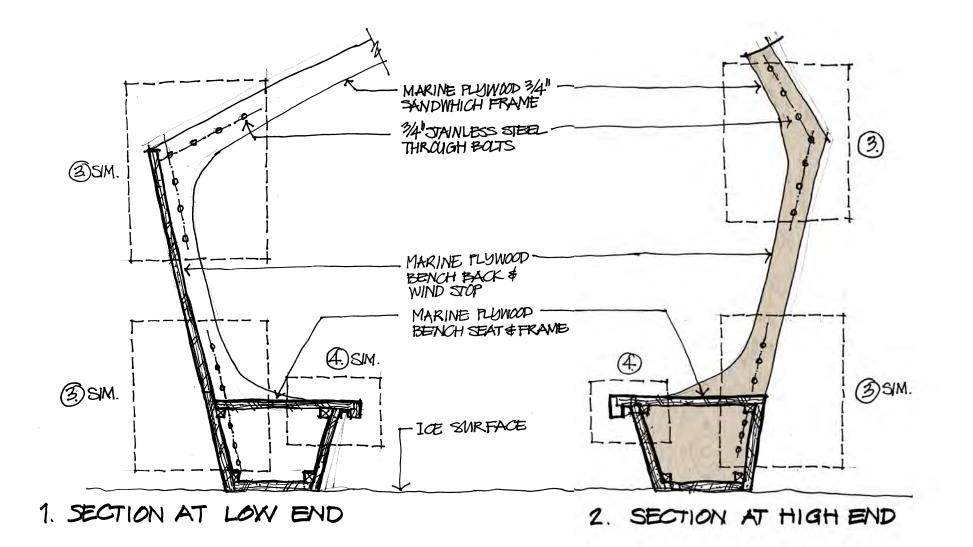
the eye of the fisherman: salt liquid water on on a glass plate to remind a fisherman hole in the ice, creates views and connection between the under and the upper.

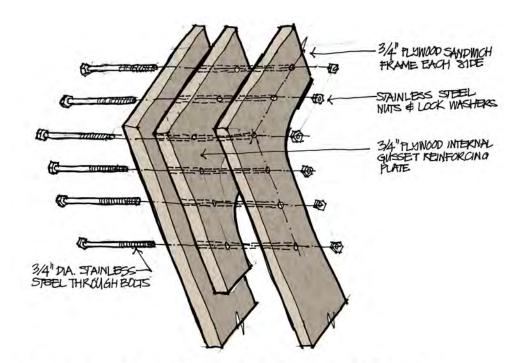
Big stones and woods to sit and enjoy the main place, once released

Structure in composide iced arch with different kind of waste : sawdust, newspapers, plastics, fabrics



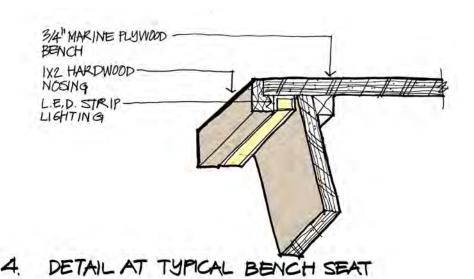






3. DETAIL AT TYPICAL GUISSET REINFORCING





5 Friends

Here we are suggesting 5 types of shapes, colors, and sizes to give you a variety of experiences. Different dimensions and shapes – allow you to hide yourself or 2 or a large number of your family to squeeze in to keep the warmth together. Vibrant colors will shine on the white snow background - it is playful and energetic.

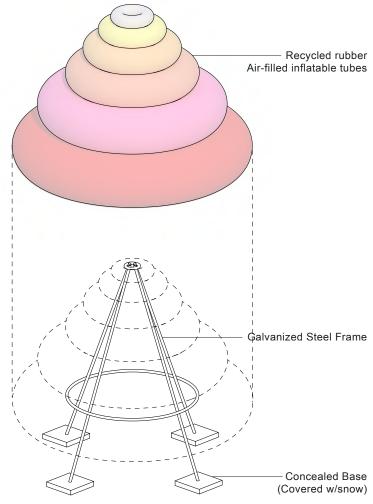
Slightly lifted from the ground – held by the simple steel structure - crawling or jumping over the top as if you are entering your own little secret places. Giving a private and peaceful feeling with the natural lights coming through the holes and facing the unpredictable reflecting colors.

We are considering making it out of recycled rubber. Air-filled inflatable tubes which are highly resilient for Canada's extreme cold winter, and it is powerful insulation to protect from the severe wind and temperature. It is soft material, kids friendly – covering you as if you are wearing the winter puffer jackets – light, soft and warm. It is easy to produce, deliver, assemble, and demolish, suggesting the perfect solution for the temporary structure.

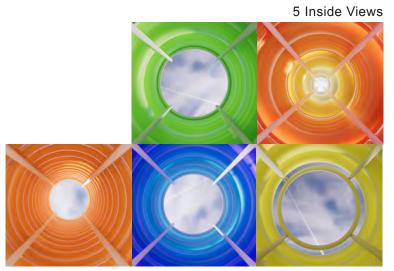




Axonometric







THE HEARTH

A PLACE WHERE IT'S ALWAYS WARM

Winter is the time when the forest falls asleep and is covered with a snowwhite blanket, frost wakes up, rivers freeze and it becomes possible to enjoy our favorite winter fun. At this time, you want to wrap yourself in a scarf, grab your skates and roll far along the icy surface.

But at the same time, there is a need more than usual to feel warm and comfortable. After a pleasant winter cold, you want to light a fireplace, cover yourself with a soft blanket and drink a mug of cocoa.

In our architectural object, we tried to convey the atmosphere of the house, the "hearth". We tried to create a place where everyone can feel warm and safe, just like the chicks that have not yet been born and enjoy the comfort of being in an egg.

The main material for our project, we have chosen shingles - wooden tiles, which in the past centuries, the inhabitants of the northern countries covered the roofs of houses.

The building provides a zone for a small hearth, right above it there is a small oculus to remove smoke. The opening is covered with a jay-print fabric, one of the symbols of Canada.









COSINESS

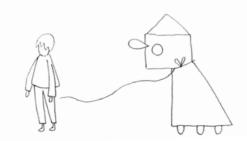








ÜTO



ÜTO is an architecture in search of autonomy. Lightly uncanny, it seems to be trying to tell us something.

In the cold night of Winnipeg, this hut plunges us into a world of childhood. It invites various forms of imagination. Acting as a gigantic toy, it questioned the scale of our interactions and behaviors.

Shiny, cold and metallic on the outside, it is soft and warm on the inside.

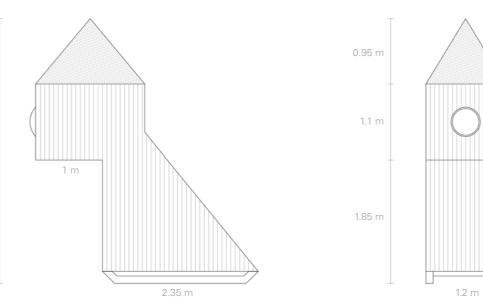
It is a hut in which anyone can climb to warm up and observe the river trail - a space for contemplation and social relations.

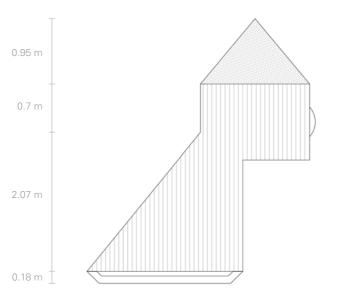
Here, the play is at the center of the device and becomes part of the architecture - play as an act of culture.

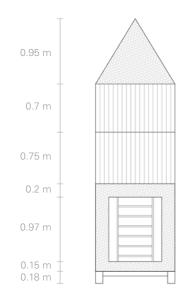
ÜTO is an allegory of winter that explores myths, traditions and togetherness.

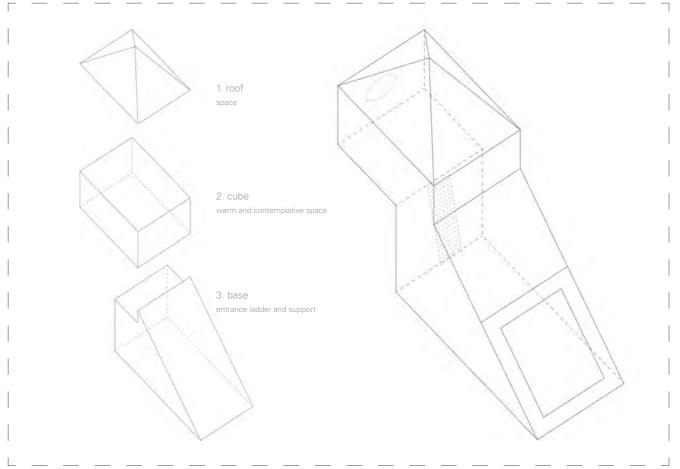
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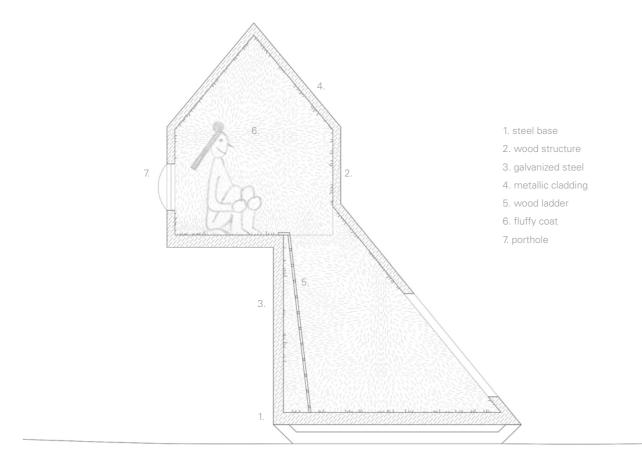












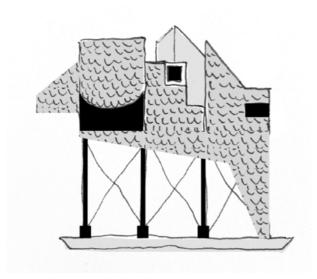


COTOC

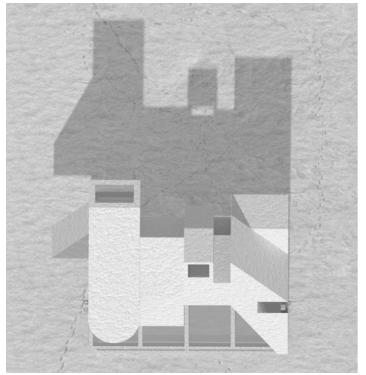
In winter, a thick coat of ice and snow turns Winnipeg into a fairytale city. On the river trail, a white silhouette seems to rise.

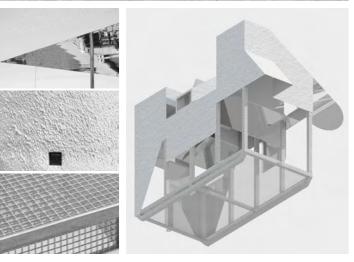
Floating over the horizon, this architecture with dynamic geometries seems to disappear. Is it a mirage? As we approach it, we start to feel its rocky and grainy presence. Once inside this fortress, we are facing a landscape of shiny and reflective surfaces.

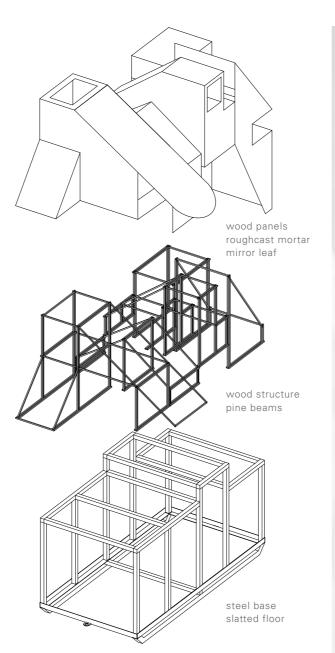
A playful structure that is part of the landscape, *Cotoc* is an ode to Winnipeg's cold winters and all the mysterious apparitions it generates.











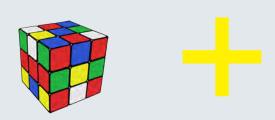




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Jeng-Cube

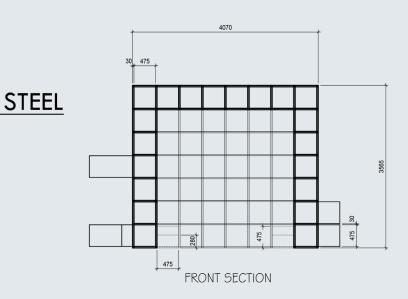




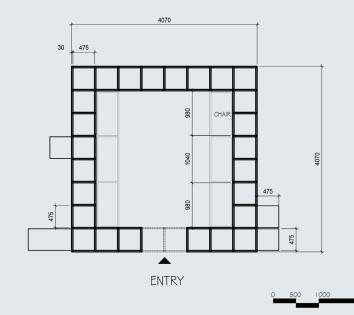
OUR DESIGN PROCESS TO DEVELOP THE WARMING HUT STARTED WITH A PROBLEM/NEED THAT WAS GIVEN TO US. THE ASSIGNMENT AIMED TO PROVIDE A SHELTER/INSTALLATION ON THE ICE FOR THE PEOPLE VISITING THE RED RIVER MUTUAL TRAIL IN WINTER. WE MAINLY WANTED TO BRING AN OBJECT TO LIFE, WE STARTED THINKING OF OBJECTS THAT COULD TRANSFORM INTO REAL SPACE. AFTER SKETCHING SOME IDEAS, WE CAME UP WITH A DYNAMIC CONCEPT. WE WANTED TO INCLUDE MOVEMENT IN OUR DESIGN. HAVING

IN MIND WE CONNECTED OUR IDEAS WITH THE GAME JENGA. THIS GAME INTRODUCED THE IDEA OF HAVING BLOCKS THAT PEOPLE COULD PULL OUT AND SIT ON, AS WELL AS, PLAY WITH THEM. LATER ON, THINKING MORE ABOUT THE STRUCTURE AND HOW TO BUILD IT, WE ADDED THE CONCEPT OF THE RUBIK'S CUBE, A COLOURFUL GAME WITH A SQUARE SHAPE WHICH HAD A MORE SOLID STRUCTURE THAN THE JENGA. COMBINING THESE TWO MAIN OBJECTS AND

THE CONCEPT OF SHELTER, DYNAMIC STRUCTURE AND PLAYFULNESS WE CREATED JENG-CUBE.
THE IDEA IS THAT PEOPLE GATHER AROUND THE HUT
AND HAVE A GOOD TIME PLAYING WITH THE BLOCKS, ASSEMBLING THEM IN THE STRUCTURE AND ALSO USING THEM AS SITTINGS. WE HAVE ALSO PROVIDED SITTING INSIDE FOR PEOPLE TO REST.



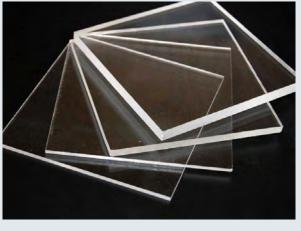
BLOCKS



THE HUT DIMENSIONS ARE 4070MM (160") IN LENGTH, 4070MM IN WIDTH AND 3565MM (140") IN HEIGHT. THE THICKNESS OF THE STEEL IS 30MM. IN THE SQUARE 475MMX475MM AT THE BOTTOM OF THE BLOCK, THE WIDTHS ARE DIFFERENT. THE CHAIR IN HURT HAS A DIFFERENT HEIGHT OF 500MM TO MATCH THE HUMAN BODY SIZE THAT ADULTS CAN SIT ON, AND A CHAIR WITH A DIFFERENT DIMENSION OF 280MM, WHERE CHILDREN CAN SIT ON THEM.

MATERIALS

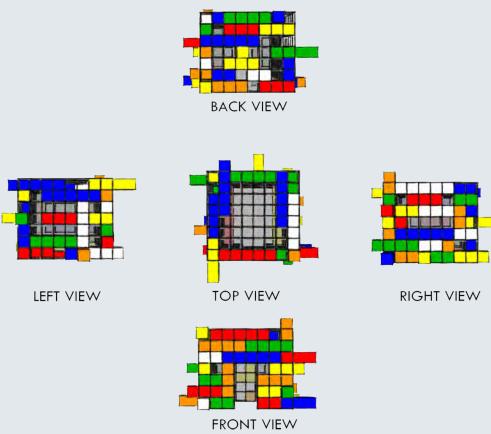






THE BLOCK OF THIS DESIGN IS MADE OF THE OBS BOARD, SO IT WILL BE LIGHT BUT HARD STRUCTURE. IT WILL ALSO MAKE A VARIETY OF SIZES AND COLOURS, ALLOWING MANY PEOPLE TO EXPRESS THEIR IDEAS. AND THICK ACRYLIC MAKES THE SPACE WHERE BLOCKS ARE NOT ASSEMBLED FEEL LIKE A WINDOW WHILE KEEPING THE PEOPLE INSIDE FROM THE COLD WIND AND THE BLOCKS BEING ASSEMBLED OUTSIDE. THE FRAME THAT WILL BE THE FOUNDATION OF THIS BUILDING WILL BE MADE OF SQUARE CUBE STEEL, WHICH IS LIGHT AND STRONG.





THIS BUILDING WILL HAVE VARIOUS FAÇADES DEPEND-ING ON HOW AND WHERE PEOPLE PLACE THE BLOCKS.

Under the Woods

This project utilizes an artistic architectural expression to give a whole new vibe to the snowy winter scene. Considering Winnipeg's largest urban elm forest and greenery coverage, it is important to remind all citizens to preserve such asset and stress on such local treasure. The design brings back the "greens" by simulating a forest in an abstract way. The inflatable architecture formulates the shape of the forest, yet the mesh texture on the top simulates the shades. At the foot of the inflatable structure, two circles of seats provide a relaxing function for anyone to enjoy the filtered sunshine and take a rest. To add more playfulness to the structure, the mesh texture "melts" down like ice-cream, suggesting the green in spring will eventually melt down the winter snow.















"WipWap" is a conceptual design for warming hut 2023

A working model is made with PVC pipe and wool cloth

The spiral structure is shaped like a spring tapered at the top

Normally it is an open structure:

To receive sunlight to heat up the inner part of the structure and fresh air to remove viral particles

Once someone sits on the board:

the board will act as a lever, as the entire structure is basicly a seesaw.

The weight will compress the structure transforming it into a close space:

- to retain heat
- offer shelter from wind
- maintain a certain degree of social distancing

The material attached to the spiral structure will be opportunistic.

It can be scarf, cloth, ropes, branches or leaves, even partially snow

Something that is lightweight, flexible and can be found in sufficient quantity at the moment.







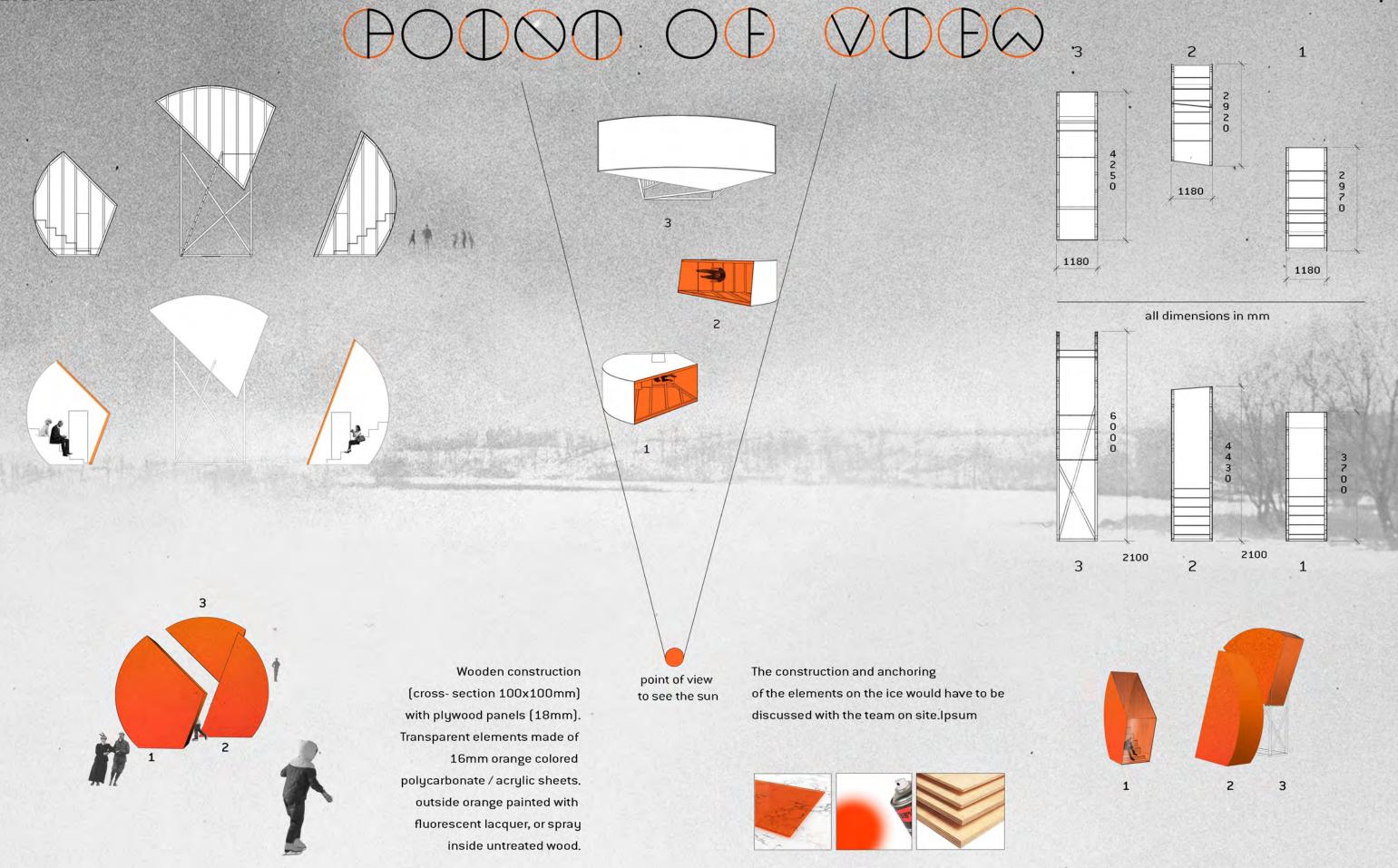


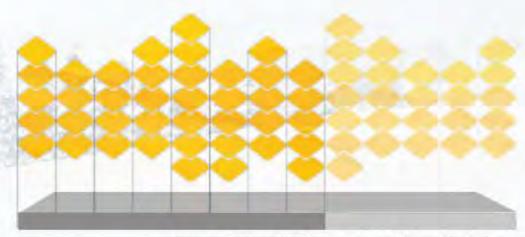
PODO OD VDE



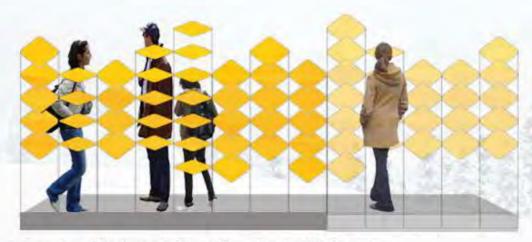
A huge orange sun is placed on the frozen river. The rising or setting sun reminds the spectator of the sun's quality as our warming star that our planet unique. But the sun as a whole can be seen only from one point of view. As the viewer changes position, the round, orange, fluorescent-painted disk slowly splits into three parts. On closer inspection, it becomes clear they are walk-in spaces.

The straight walls of the modules are made of bright orange polycarbonate panels that allow the view from the inside to the outside and vice versa. People unique spaces. The orange light inside of each module has soothing properties, it radiates energy, warmth, friendliness, optimism, zest for life and openness. These properties stimulate communication, which is especially important during long winter months.





Fins are placed at 5degree angle so that they overlap each other



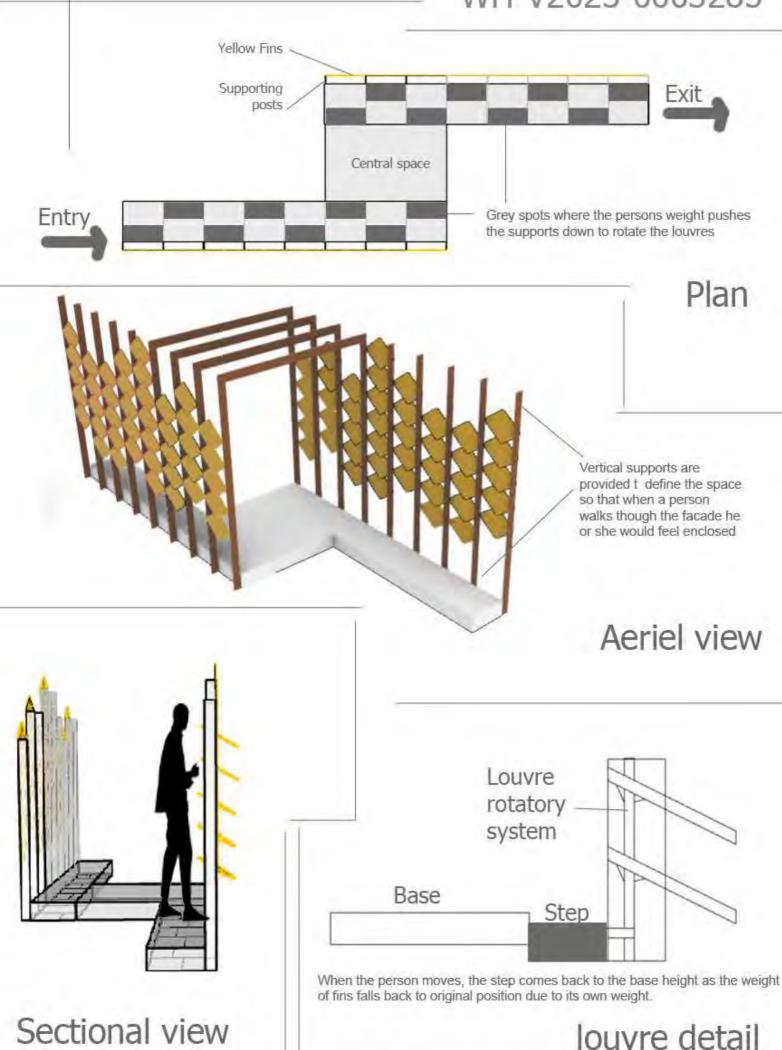
As a person walks on the nearby step, his/her wight pushes the vertical post down thereby rotating the fins to 60 degree.

The Yellow Fins

The linear pavilion is enveloped by a series of yellow wooden fins that have the ability to open and close in presence of a human being. The pavilion aims at creating an interactive facade that would move up and down like a louver as a person comes close to it. The cheerful and attractive yellow fins are connected through a system of rotating mechanical gears. As a person steps on the demarcated area near fins, the person's weight triggers the movement of louvers. This movement creates a dynamic ambiance for the people walking through a still/static white snow-covered environment.

Understanding the tough climate that the pavilion would have to stand, the rotatory system is worked out such that it is completely mechanical and does not depend on electricity or batteries. This is inspired by the movement that occurs in pine cones and systems followed in traditional wooden louver windows.

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MEANWHILE WE STILL DREAM

[A migrating hyperborean herd looking for a place to settle, each step imprinted with shiver and struggle.

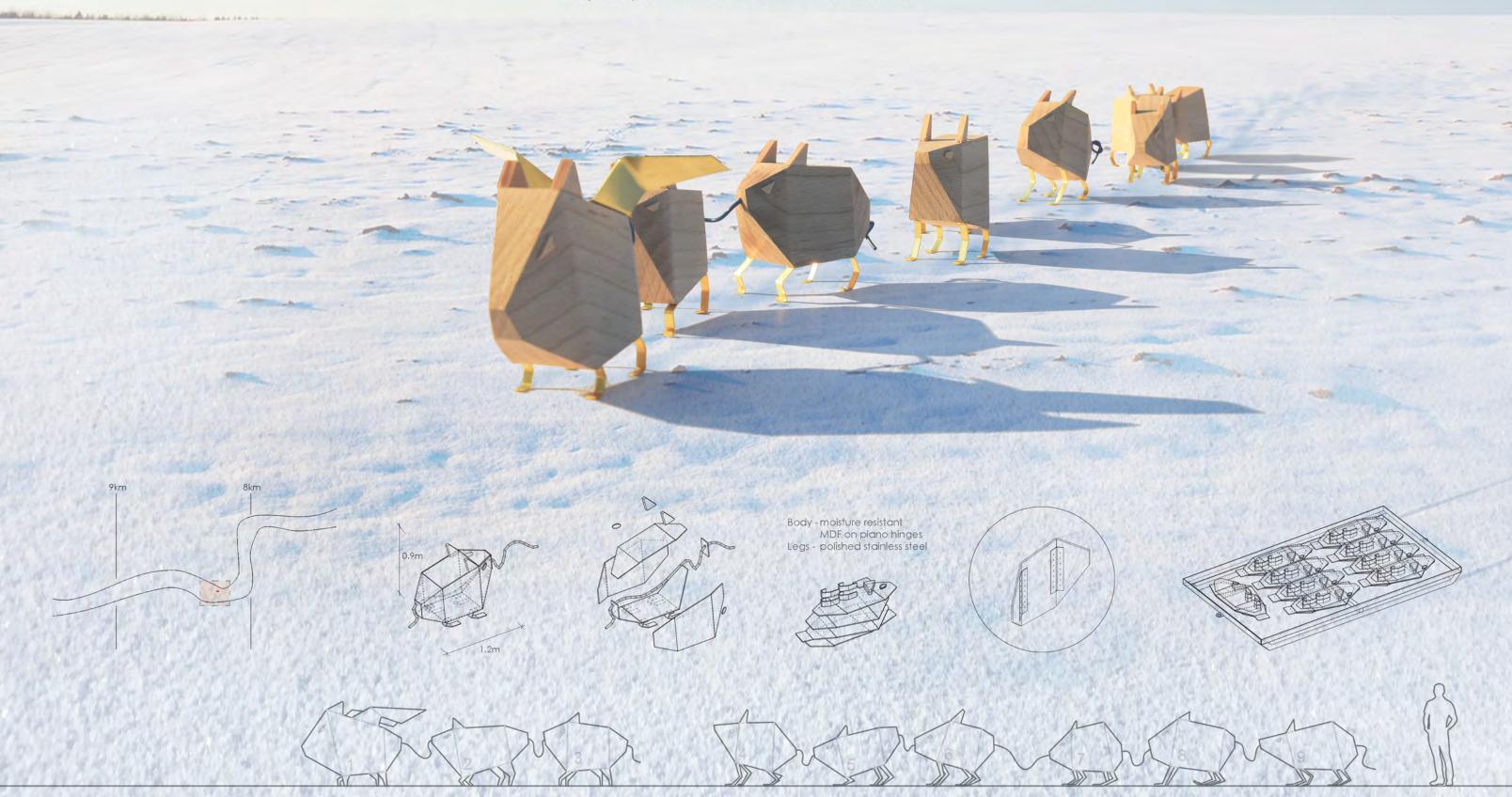
Destination not in sight; the path filled with mud and snow]

The desire to reach some unknown destination burning beneath our skin; A surreal and untouchable dream.

We march, biting our lips, hoping for a better tomorrow.

But our destination will be another departure point, Another variable.

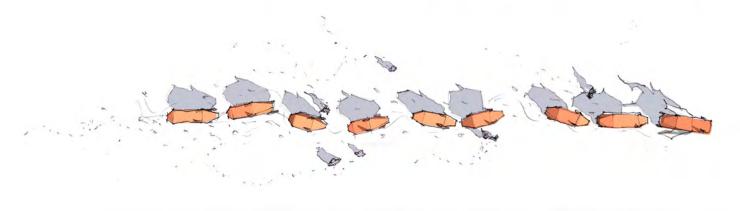
In the end, we are the still point, the only constant. The journey, itself the shelter, our incandescent home.





The herd comprises nine members, each with unique disposition, scaled to encourage human interaction through viewing, climbing, and sitting. The installation aspires to warm from within and bring joy to kids aged 0 to 118. Constructed from painted moisture resistant MDF, piano hinges, manilla rope, and polished stainless steel, the herd can be configured in a variety of positions to fit any setting.

It should be generally linear, as the group is marching to a common destination, but there is variation in spacing, and the individuals are staggered side to side such that they appear to meander playfully through the snow. Within the herd, smaller clusters are formed as one latches onto the tail of another. The group's leader stands slightly taller than the rest, with an upright and alert posture, wings spread as though about to take flight at any moment.







BEACON

WARMING HUTS 2023 COMPETITION

LOCATION CONTEXT

Winnipeg as one of the famous cities during the winter in Canada has a recreational tour of the Nestaweya River Trail which is located on the Assiniboine, bringing visitors from other places.

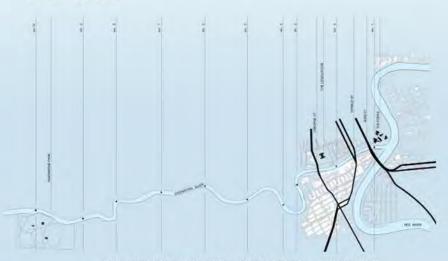
CONCEPT DESIGN

Beacor

a fire or light set up in a high or prominent position as a warning, signal, or celebration.

The shape of the structure is inspired by the a snowflake, as a sign from nature whenever winter comes. As a symbol of winter, The Beacon brings together families, friends, or even strangers altogether into the warmth of celebration.

LOCATION

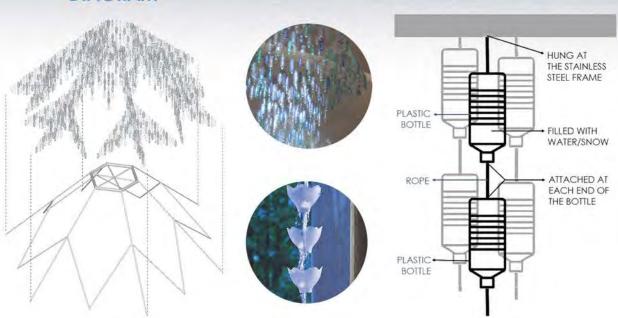


ASSINIBOINE RIVER, WINNIPEG, CANADA.

FORM TRANSFORMATION



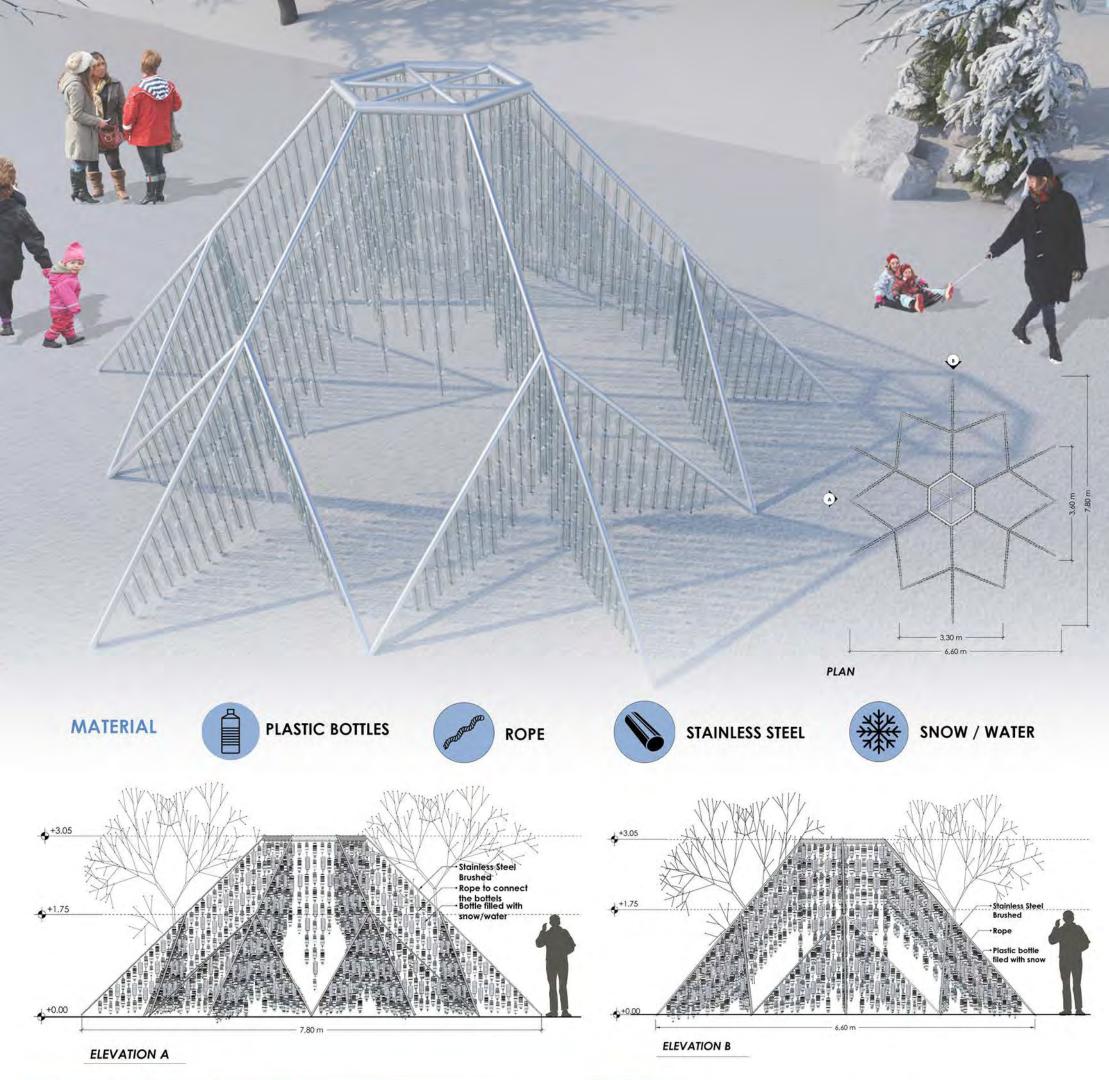
DIAGRAM



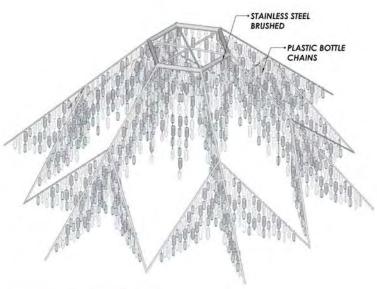
SUSTAINABLE PAVILLION

Canadians throw away 3 million tonnes of plastic waste annually and only 9% is recycled. Therefore plastic bottles are chosen to raise public awareness regarding the importance of reducing, reusing, and recycling plastic bottle waste.

These plastic bottles are filled with either water or snow, tied together and hung at the steel structure, altogether resembling a crystal chandelier







LIGHTING CONCEPT

At night, The Beacon are illuminated by warm tone lighting placed at the stainless steel structural frame. Therefore, whenever darkness falls, The structure will disperse its own light, making it visible from afar.

WINTERPOLE

CONCEPT

Deconstruction of Maypole
Maypole is a tall wooden pole
as a part of folk festival
usually held in midsummer.
But why just celebrate
summer, when there's so much
fun stuffs to do in winter?
Hence the name, Winterpole

Design Context

The base of the structure is inspired by the outline of Winnipeg where the event takes place. As a symbol of winter festivity, Winterpole brings together families, friends, or even strangers altogether into the warmth of celebration.

Sustainable Pavillion

Canadians throw away 3 million tonnes of plastic waste annually and only 9% is recycled. Therefore upcycled plastic sheets are chosen to





MATERIAL



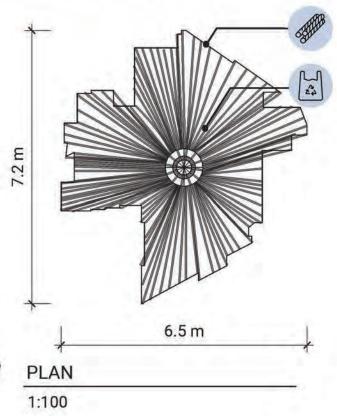
Upcycled Plastic Bag

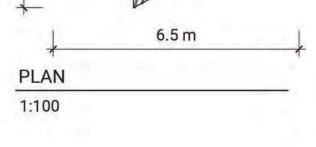


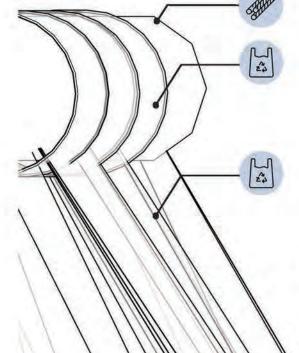
Stainless Steel

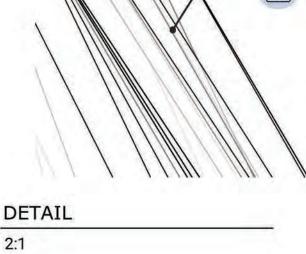
METHOD

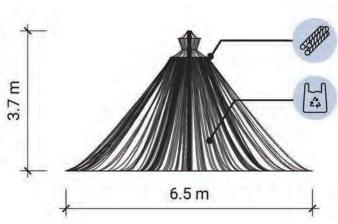
- 1 Plastic sheets are into cut strips.
- 2 The strips joined together with plastic sealer.
- The long strips are tied to the p o l e structure.

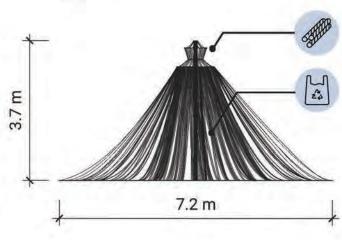








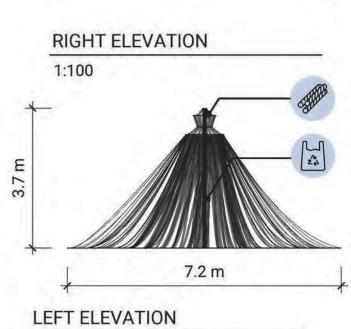




FRONT ELEVATION

1:100

1:100



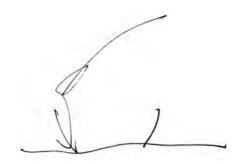
Registration ID: WH-V2023-0003291

WH-V2023-0003292



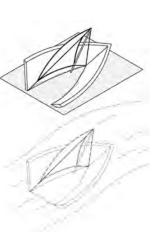
Ups and Downs

In Winnipeg's winter, snow covers, piles and melts on the frozen river, just as waves of water carry boats. As visitors seek shelter in the snowy weather, the warming boat-formed hut seems to up and down on the ice. The wind blows the sails, but the tilted boat remains stable. This contrast of time and perception attracts people to this warming hut.



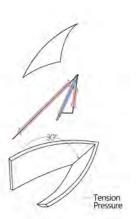
01 Landscape

The hut is located on the river, so the constantly shifting landscape of the snow-covered river makes it like small boat ups and downs in the water. With the boat form, the contrast of the seasons provides the poetics of imagination.



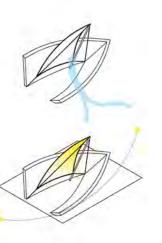
02 Form

The slanted hut form and the seemingly shaky but stable shelter structure realize the perceptual contrast. The cable and pressure rod support the sailboard, which is the shelter component of the hut. This form expresses the poetics of reality.



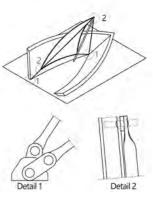
03 Physical Environment

The concave metal panel effectively focuses solar radiation and provides heat inside the hut. At the same time, the overall shape of the hut is to prevent the gust from the dominant wind direction, forming a shelter with good physical properties.

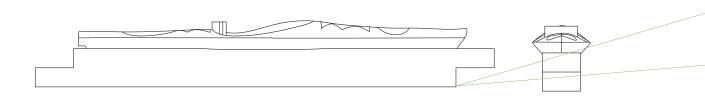


04 Installation Details

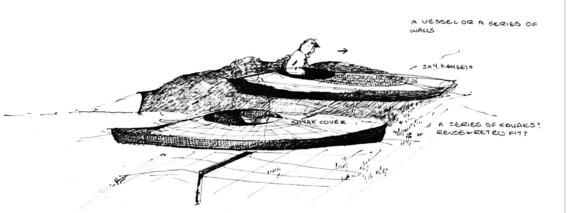
The two kinds of main connection and anchoring of the individual components are designed for ease and low cost, with special consideration given to how the hut is connected to the skid.



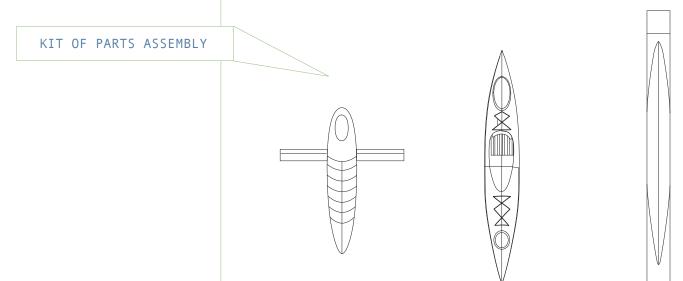
WH-V2023-0003292 Frame The sail frame is made of metal rods to ensure adequate stiffness. Sail The sail panel is perforated yellow painted metal panel that provides a warm shade beyond its physical properties. Structure Steel cables and metal bars are used to support the force members to ensure the stability of the structure. **Boat Form** The metal hull is clad in orange fabric to provide weather resistance, weight stability, and warm humanness. TOP VIEW & ELEVATIONS 1,0,1 FRONT RIGNT

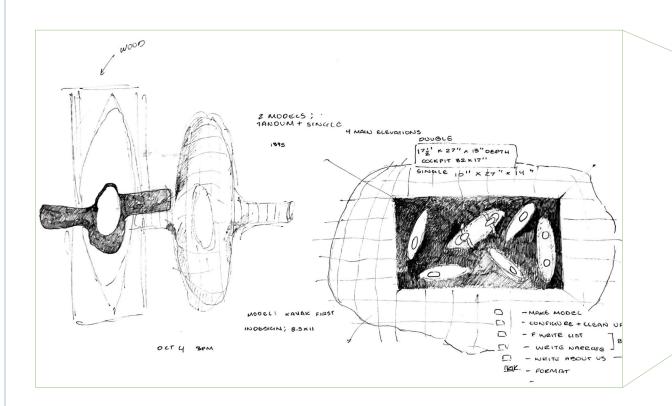


SMALL + STANDARDIZED BASE, EASILY ADAPT-ABLE TO SKIDS

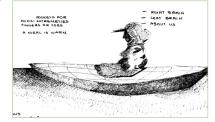


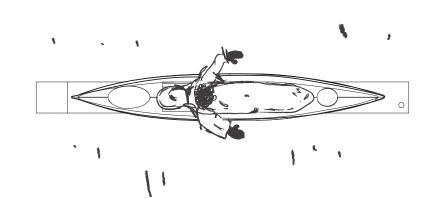
This proposal offers a one-of-a-kind experience of kayaking through the wind rather than the water. Suspended just 15 cm above the frozen river, a visitor can relax for a moment in a double layer retrofitted kayak. The visitor's body will be covered by a waterproof quilt and held within the vessel, sheltered from the wind. Immediately upon entry the visitor will begin benefiting from their own internal heat gain. Allowing for a moment of pause which plays with the threshold between warm and cold enhancing the experience of thermal delight. At the same time, the visitor may take in the view framed by their positioning, and see the landscape from an unusual position – more connected to the ground. The experience centers around this moment of noticing; both sensory and visually, while the cold wind flows around the kayak like water.

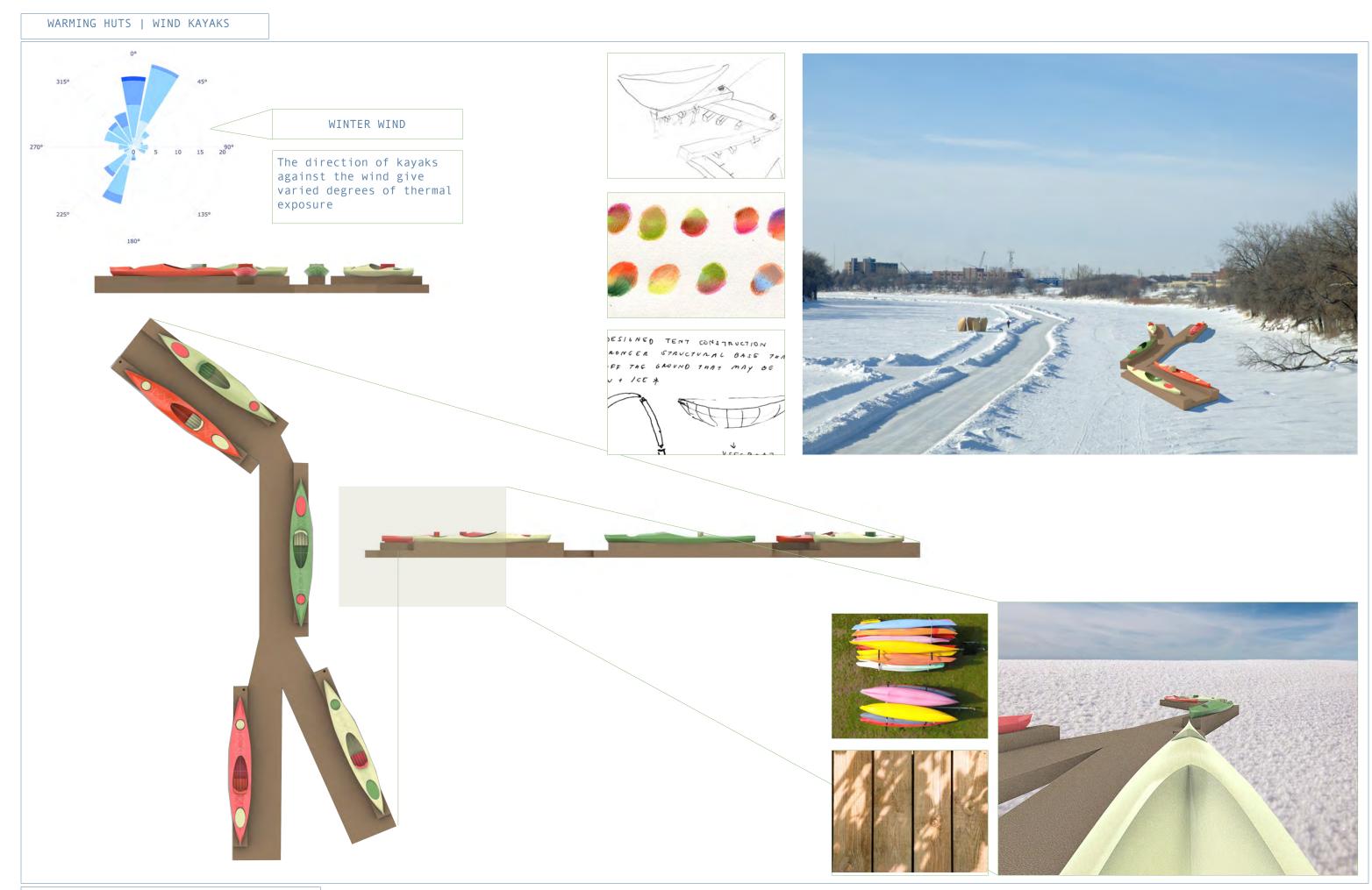








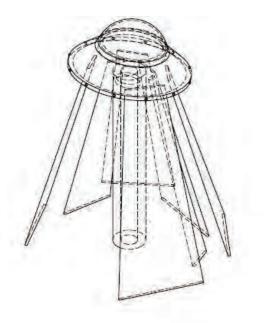


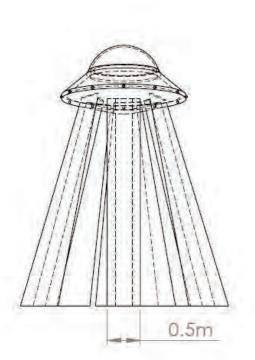




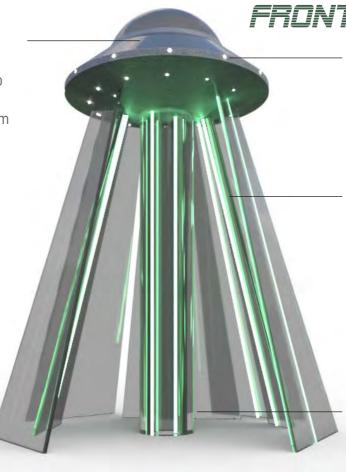
ORTHOGRAPHIC VIEW

The top spacecraft section would be created using a steel skeleton, with lightweight tin panelling applied to form the body shape. Wiring for LEDs would be hidden inside, and 6 small solar panels would be placed on the upper face.







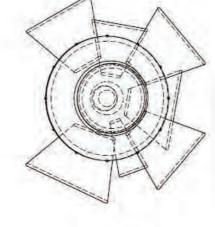


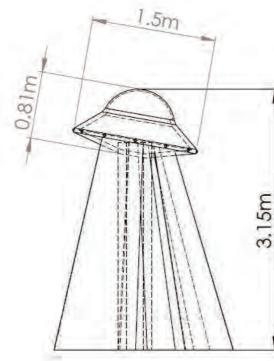
FRONT VIEW

White LEDs on the body of the spacecraft add to the extraterrestrial feel

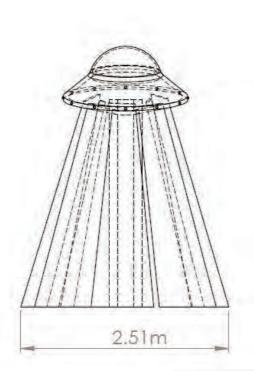
Green LEDs run down the PMMA panelling. These are inset into the panelling, causing the plastic to seem like it is glowing. These panels are 30mm thick, offering visitors shelter from the wind

Central pillar bears most of the weight of the structure. This would be attached to a circular base, which would aid stability





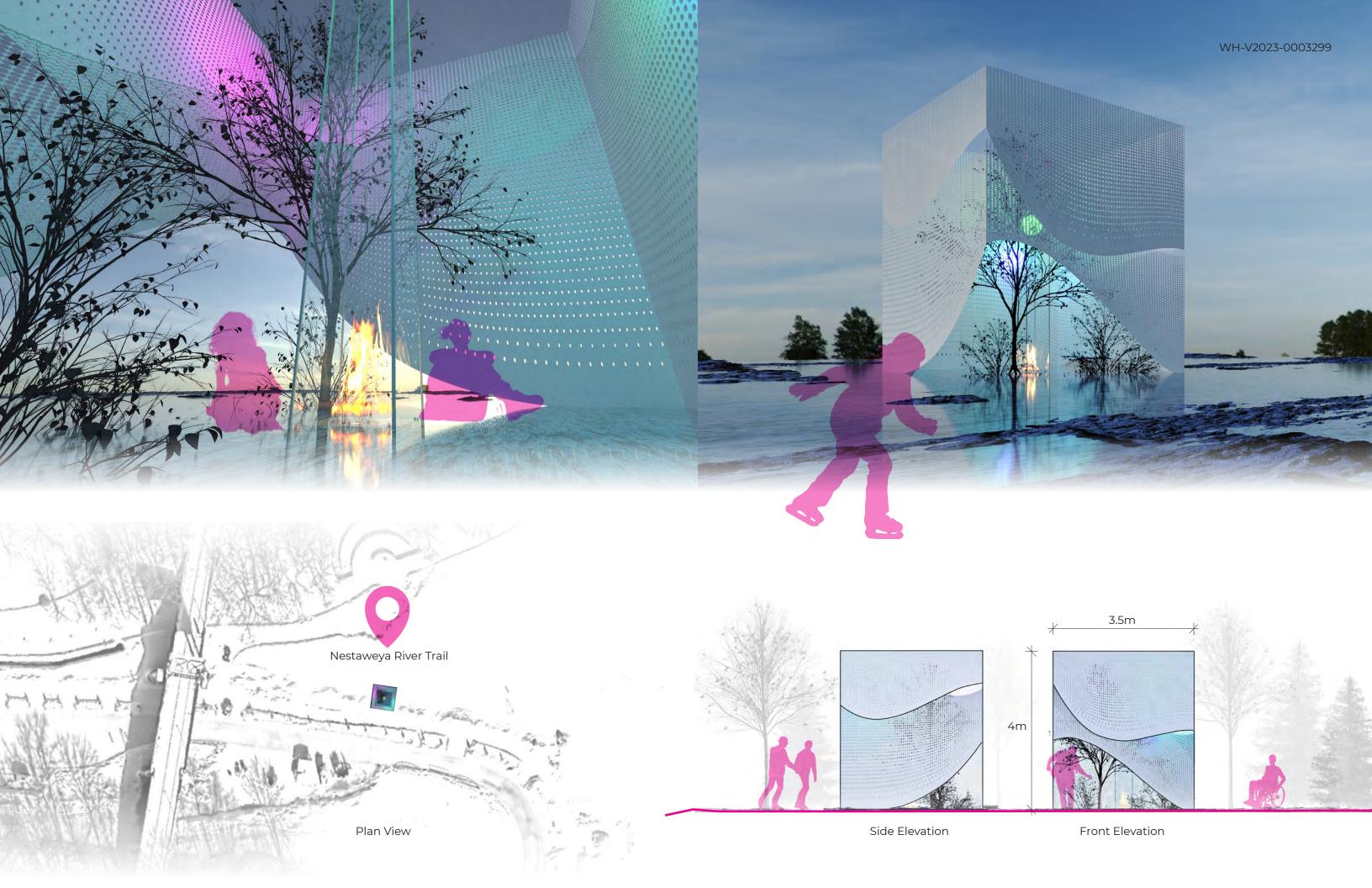
A 3m circular base would ensure stability in windy conditions



SIDE VIEW



The top dome shown here would be a transparent plastic. Potentially vacuum formed ABS or PET.
Panelling options could be considered to save cost



eddy:

This design proposes a minimal intervention that strives to make connections between people and increase their understanding and wonder of the natural environment.

The intervention is to be located on either of the sides of the Blanchard Oxbow on the Assiniboine River. It is to be sited between the two walking/skating paths that are present on its surface most winters.

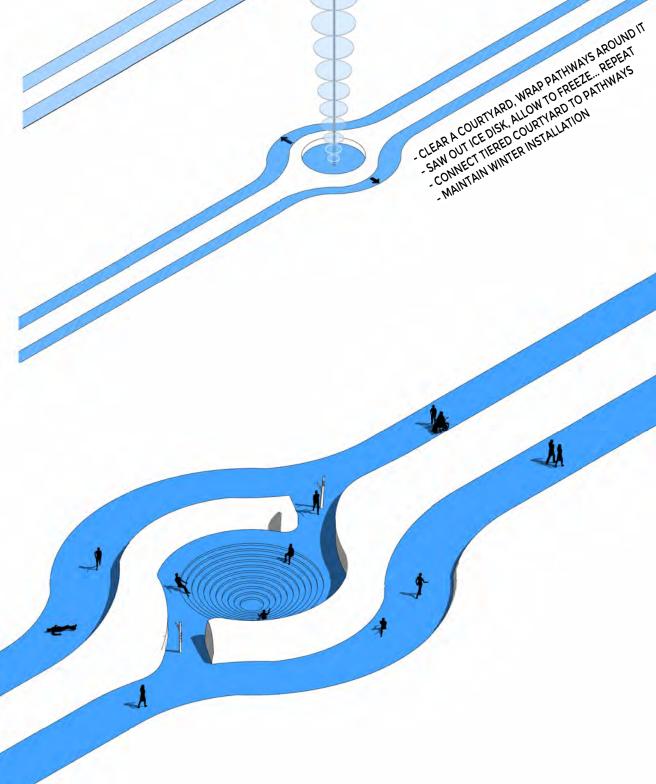
The installation is simple, made of snow and ice and driftwood found on the shores of the Assiniboine.

It comprises a connector between pathways with a circular meeting spot at its centre. This meeting spot consists of tiered ice steps descending below the plane of the frozen river surface.

The design idea focuses on the occurrence of eddies within a body of moving water. Eddies both facilitate and inhibit movement of water downstream, they also move water up and down through the water column.

Like the current of a river the people moving along the frozen pathways will influence the use of this installation. Some people will use it to short cut to the opposing pathway, others will skate a few laps around the upper course, and others will sit and chat or enjoy a brief respite from the wind.



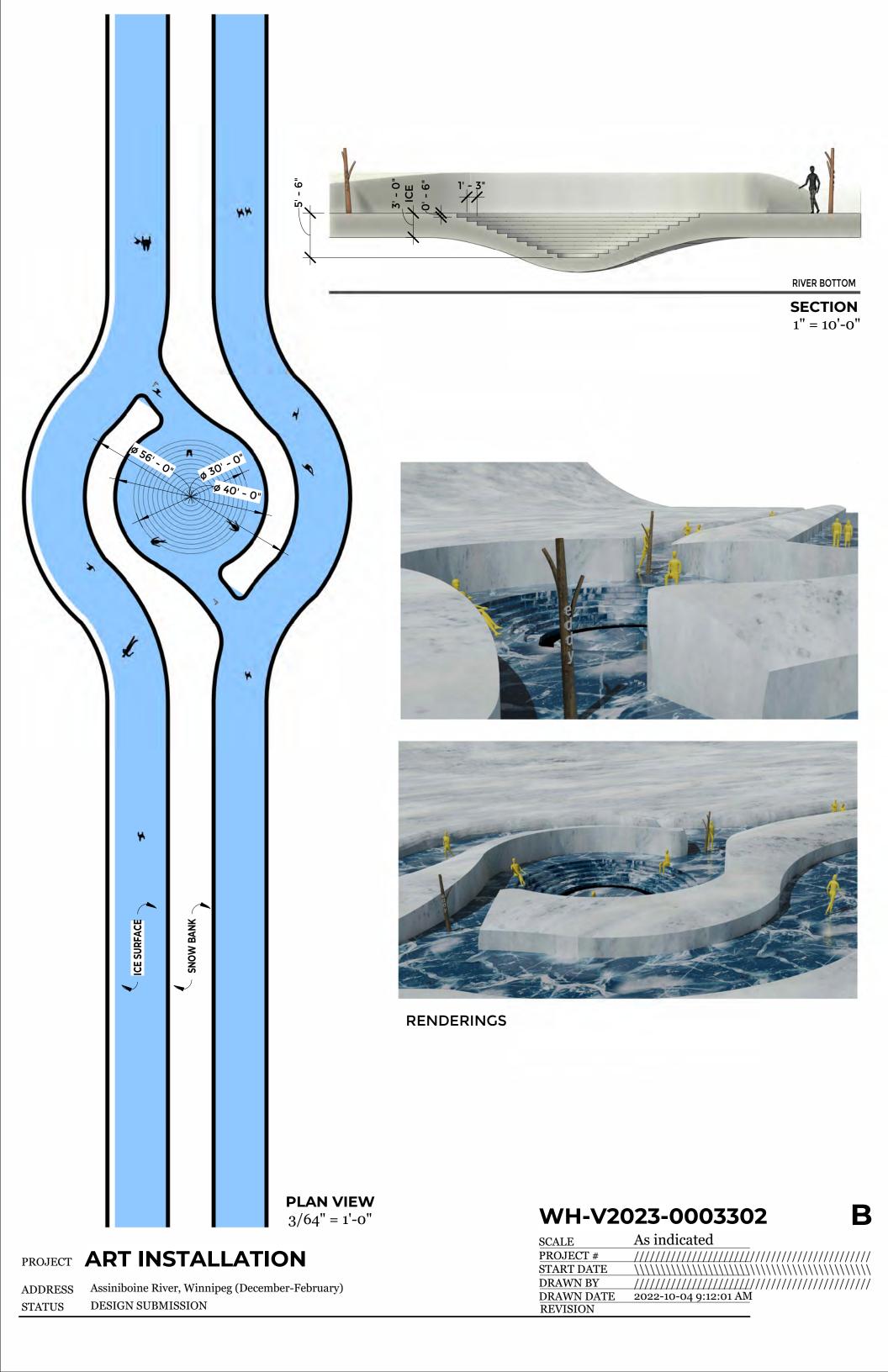


PROJECT ART INSTALLATION

ADDRESS Assiniboine River, Winnipeg (December-February)
STATUS DESIGN SUBMISSION

SCALE	1" = 30'-0"
PROJECT #	
START DATE	
DRAWN BY	
DRAWN DATE	2022-10-04 9:11:57 AM
REVISION	

WH-V2023-0003302



WINTER GARDEN

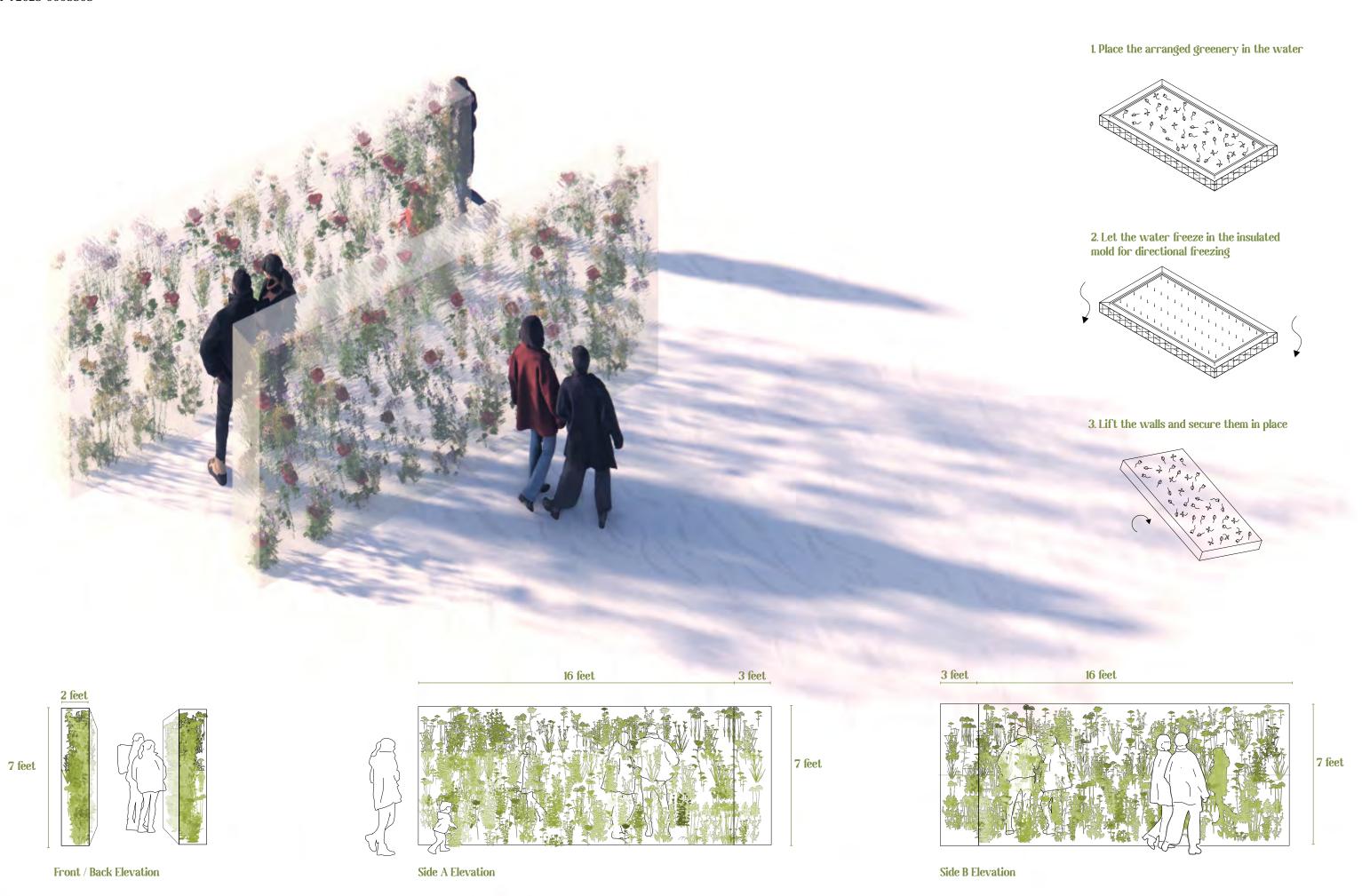
WH-V2023-0003303

Through the cold Winter months, warmth manifests itself in unexpected ways. A flash of colorful greenery through the white landscape reminds visitors of the Spring awaiting them. A mass of ice shields from the harsh winds flowing through the Forks. The Winter Garden offers a refuge of greenery in a surprising place. Flowers and plants are frozen into walls of massive ice, perfectly preserving these remnants of Summer through Winnipeg's freezing Winter. Two walls create a shelter from the elements, and a slight offset provides a warm welcome when approaching from either side.

Water will be poured into plywood boxes covered in rigid insulation on all but one side, utilizing directional freezing to push impurities to one edge and creating conditions for crystal-clear ice. Flowers and greenery will be carefully arranged before freezing. The boxes will then be tilted up and disassembled to reveal the walls of frozen foliage.















Throughout history, humans used to depict things that were inaccessible to them in the form of symbols due to the need to survive and understand the unknown. Symbolization during human life on earth was always a connection point that connected the material life of human to the world beyond this world.

Symbols are divided into two categories: 1- Visual symbols 2- Conceptual symbols

Both of these symbols are the result of a creative act that was visualized by the human mind. With a little precision, we come to the conclusion that humans are not able to receive and fully understand everything. They can see, hear, touch and taste, but these human abilities depend on the quality of their emotional ability and mental understanding.

Mental imagery and symbolization go back to about 40,000 years ago when humans recorded their mental imaginations, feelings, events and thoughts in the form of simplified graphic signs on the rocks as lasting signs. Symbols that each represented a subject. For instance, they depicted mountains with triangles, the sun with circles, and the earth with squares.

We have used a triangle form to present our project

The equilateral triangle represents harmony, proportion and refers to purity and holiness. An equilateral triangle has three sides and refers to the number 3. The number 3 is the symbol of woman, man, child/ birth, life, death/ the triple slogan of Zoroastrian religion, good morals, good thoughts, good speech.

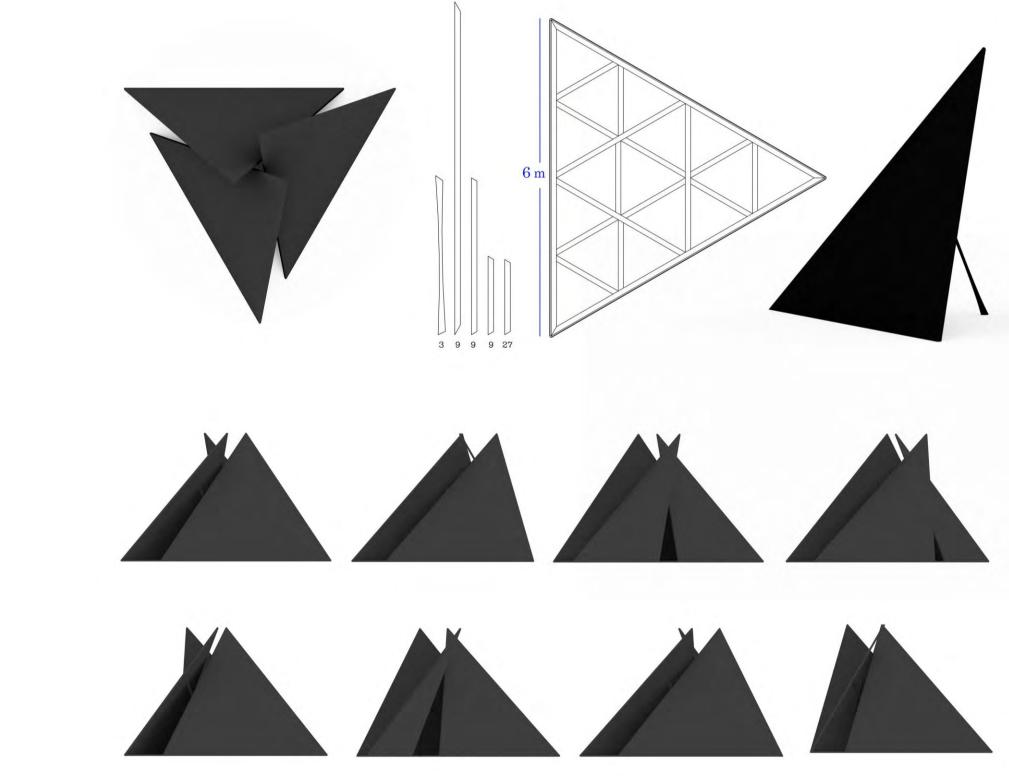
The triangle points skyward, it means pointing to the heavenly and divine world. It is a symbol of fire, which was very sacred in Zoroastrian religion in ancient Iran.

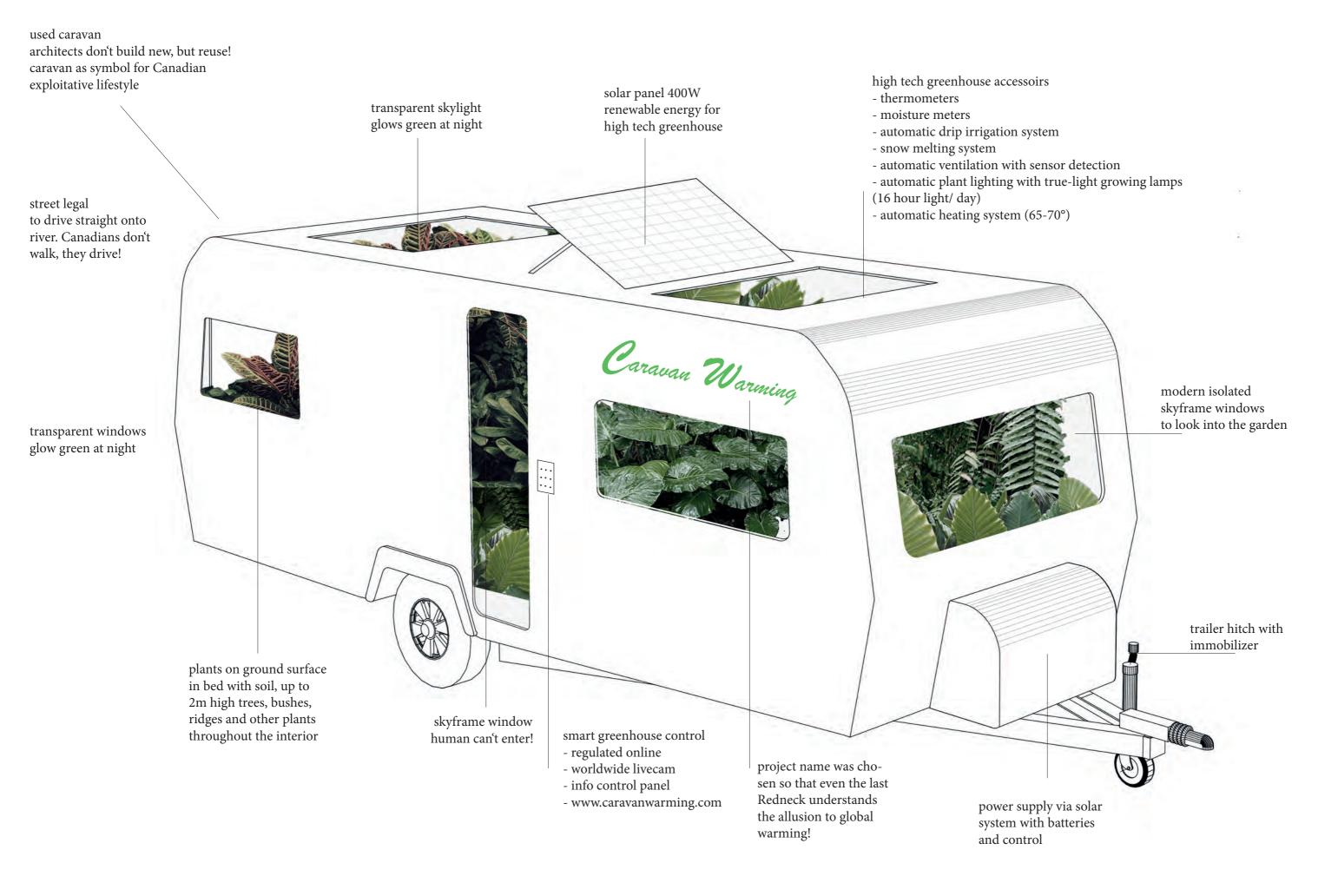
Our structure is made up of 3 equilateral triangles. Dimensions of each triangle: sides 6m and thickness 12cm

The triangles are made of painted wood. Triangles are installed on the ground in such a way that people can move between them.

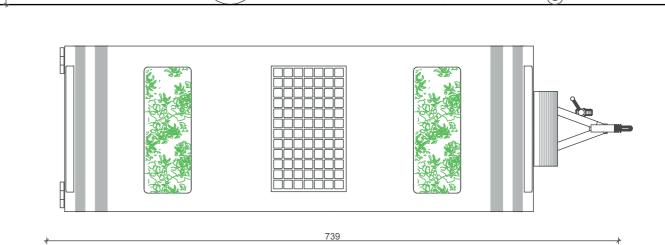
This structure is completely recyclable.











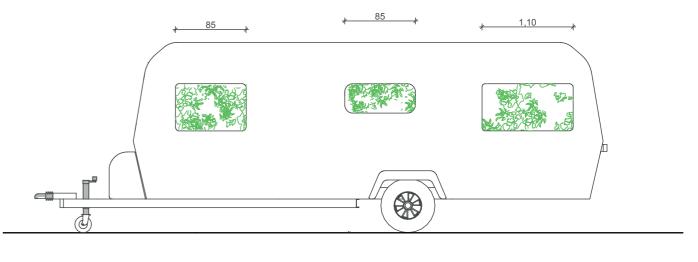
1,10

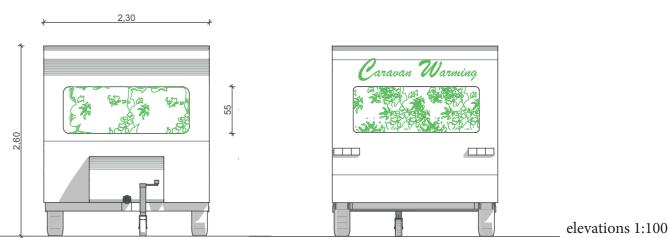
Caravan Warming

Canadians are polluters! Only oil sheikhs of Qatar and United Arab Emirates consume more CO2 per capita. Canada has a great nature, but people prefer to drive there with their oversized caravans and RVS. Canadians are used to drive directly to the beach or the river without getting out of the vehicle. They enjoy comfort! But today is not the time for fossile based comfort!

We park one of these gas guzzlers directly on Nestaweya River. The caravan is a relic form a fossile age. An Age of consume, extensive travel, luxury, high comfort but exploitation of nature. We exploit the caravan! In a performative act (shown on a lifecam!), we remove everything that makes it livable. The gutted caravan now accomodates nature, landscape and jungle! The floor-to-ceiling installation with plants is lit artificially. All openings such as doors, flaps or windows are glazed with sky frame glass that also insulates the interior. The whole thing is heated sustainably with a solar panel on the roof. Now we have a real sustainable warm hut for the future. As humans, we can't go in, but we've lived beyond our means anyways, so we should rather limit ourselves. The new interior is a high-tech optimizations biosphere which generates the best conditions for growing plants as a smart greenhouse. Thanks to smart technology, plants' needs for moisture, warmth, coolness, fresh air, carbon dioxide and light is monitored and controlled online (there is also a worldwide lifestream that people can watch!). Our warm hut is equipped with: thermometers, moisture meters, an automatic drip irrigation system from melted snow, automatic ventilation with sensor detection, automatic plant lighting with true-light growing lamps for optimized photosynthesis with 16 hour light, an automatic heating system for a constant temperature of 65-70° degree and other high-tech features.

Be careful: This warming hut is not for human but only for nature!





Former Dormer

ID: WH-V2023-0003309

On expanding the culture of re-appropriating existing building-stock towards new construction.

The ice warming hut is one of the best contemporary examples of reuse, ingenuity, and circularity in terms of building materials. Each hut portrays itself as both a functioning structure but also as an extension and representation of the individual who exists within. This affordance for expression is perhaps the strongest attribute of these bespoke shacks. How can we explicitly articulate the material resourcefulness of these ice huts which populate the river each winter? Former Dormer, a domestic dormer taken out of its original context and appropriated as a warming hut, hopes to explicitly speak to the sourcing, circularity, and reconfiguration of building materials available in our built environments as resources for sustainable construction. This warming hut utilizes a found spatial unit – the dormer – salvaged from one of the local residential deconstruction projects, and combines it with readily available and explicitly circular resources such as scaffolding, the sleds and woolen blankets.



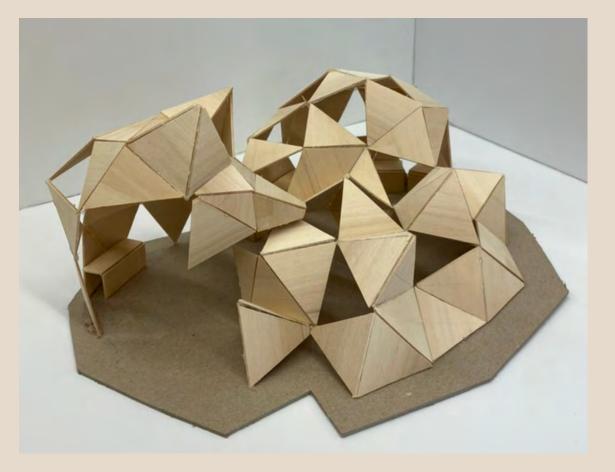






FOX HOLE

ID: WH-V2023-0003296



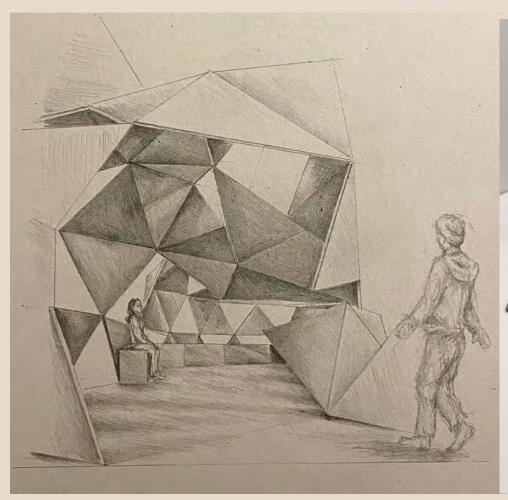


This warming hut mimics the warmth of a fox snuggled up into itself in the winter cold. A viewer nearing the structure can identify the fox's sleepy face resting upon its bushy tail.

Walking through the entrance, situated between the fox's neck and tail, the viewer experiences the beautiful glow of a wooden room.

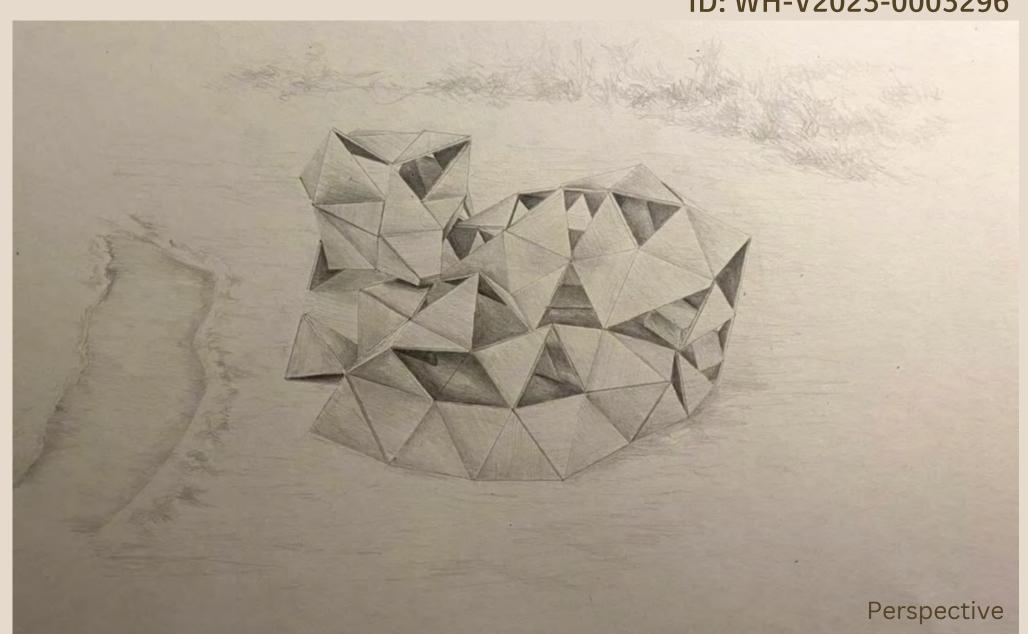
Warm light falls through the kalwall windows and heats the space. As the viewer walks through the space, he/she sees the changing angles of the wooden planks, the surrounding landscape through the windows, and the ceiling height dipping and rising from the belly, to the tail, and exit.

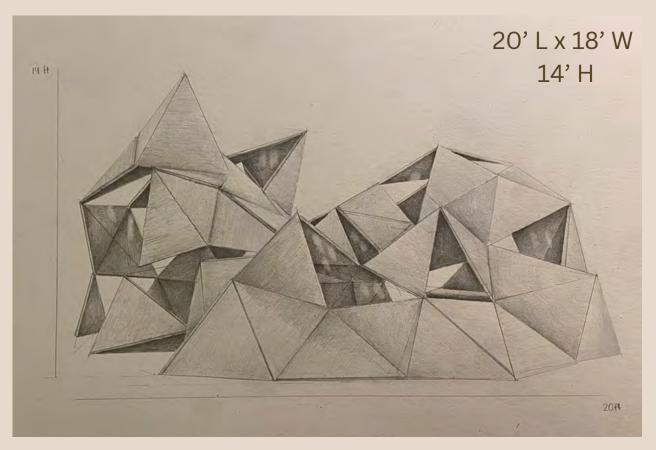
Wooden benches span the interior walls of the structure, with longer benches placed in the area of the expanding tail allowing viewers to lie down and look up to the ceiling. This comforting and protective hut mirrors the warmth of a sleeping fox inside its fox hole.



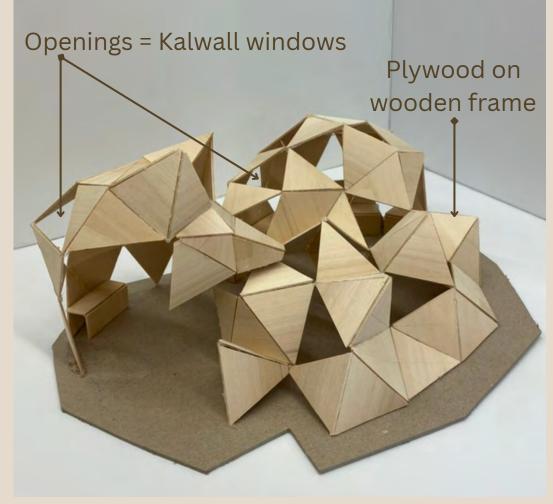


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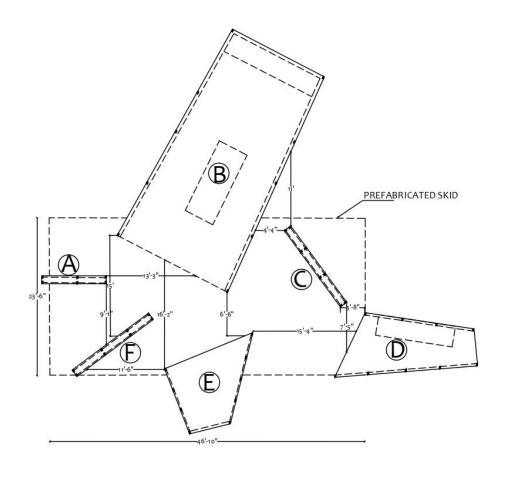
CALIDO

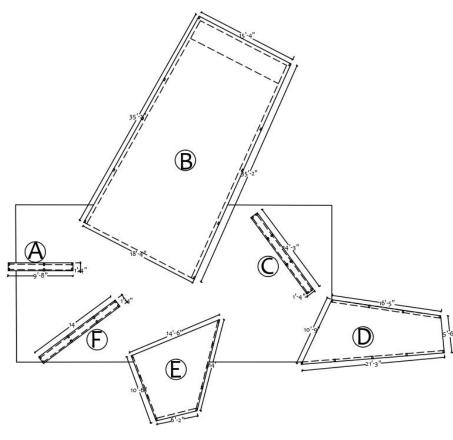
The Warming huts

Name – Awishka Tharaki Reg ID- WH-V2023-

The sense of Warmth is primarily being expressed with the use of color and lighting. Calido is a complex of built environment which allows people to experience different volumes while visually connecting with each other. 3 cubes which provides shelter invites people to sit inside and experience the space. The design inspiration is a wavelength. So the cluster of the built spaces expresses the sense of togetherness, protection and warmth.

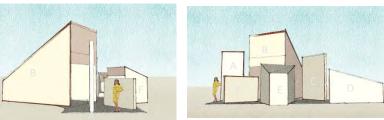






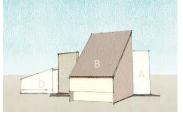


FLOOR PLAN



LEFT ELEVATION

FRONT ELEVATION

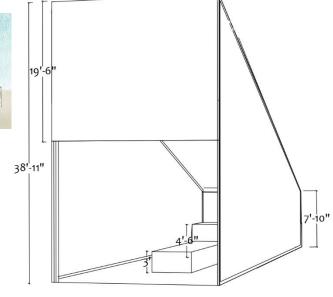


REAR ELEATION

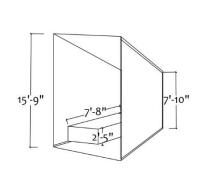


ROOF PLAN

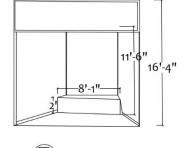
RIGHT ELEVATION



BPERSPECTIVE



DPERSPECTIVE



EPERSPECTIVE

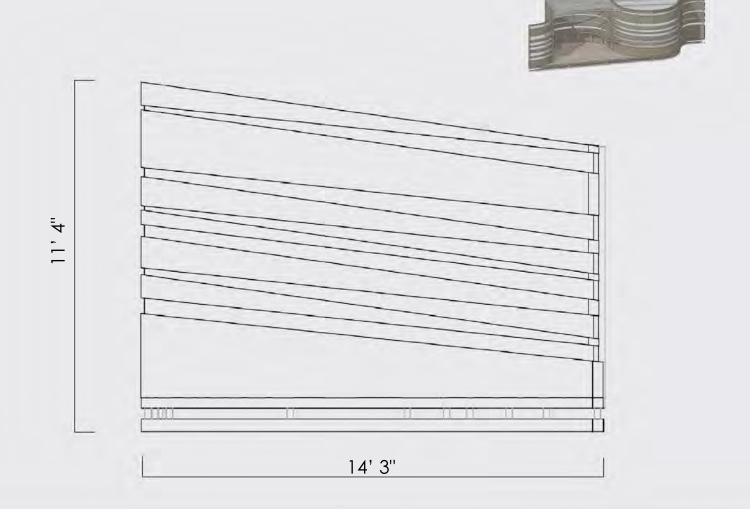
MATERIALITY

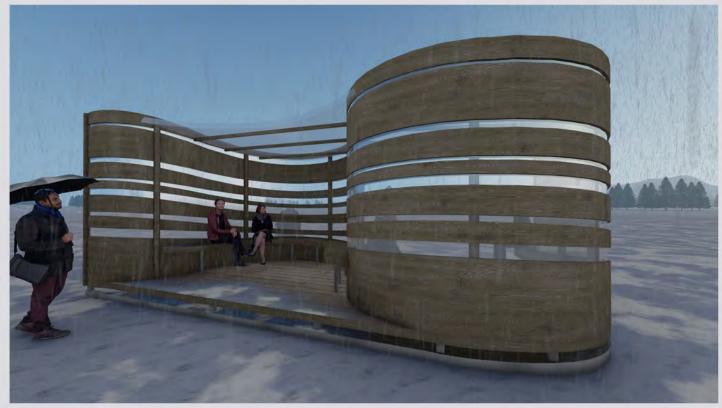
Perforated metal panels fixed in to Hot dipped galvanized steel framed structurers . Steel strusses are used to span the roof.

CONCEPT

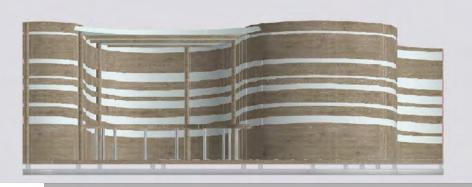
A special place along the Nestaveya River Trail at The Forks in Winnipeg was the "Northern lights" hut. Forks is located in the center of Winnipeg, at the junction of the Red River and the Assiniboine. The intersection of the two rivers has historically has made the area a popular meeting place for over 6,000 years.

The hut is 9 meters long and has a wooden structure made of smooth lines, the shape of which resembles the intertwining of rivers flowing along the Winnipeg Mountains. The design of the hutis aimed at sheltering from precipitation from any side. Residents and tourists will always be able to take shelter from the wind, rain and snow. The capacity in the hut is from 10 to 17 people. Companies of children will always be able to stay in the hut to warm up and relax. All this fits perfectly into the concept.











MATERIALS:

- 1. Strong wood (In order to make the wood more plastic, you need to heat it to a temperature of about 100 degrees Celsius. At the same time, it is important to remember that the heating should be uniform, i.e. the thicker the part, the longer it needs to be warmed up).
- 2. inserts between the wood made of foiled plastic, which is a flexible rolled material with increased structural rigidity and waterproof aluminum coating.
- 3. as well as a heated bench made of composite:

the bench heats up immediately after one of the passers-by sits on it. Moreover, the heating temperature of the bench depends on the temperature of the air outside. During rain or snow, the bench also turns on the heating mode, so it remains dry all the time.



STRONG WOOD





HEATED BENCH



FOILED PLASTIC



MIRROR SUNCREEN FILM

