WindShield

WindShield addresses extreme cold and associated wind chill at The Fork, Winnipeg in winter by offering a selection of spaces and nooks that protect from the piercing winds while allowing to experience the pristine landscape of the area.

Supported by a substructure designed for disassembly, the proposal utilizes 24 used and broken car windshields (less than what is being replaced in Winnipeg in just 1 day) as its resource. Produced from a PVB plastic film sandwiched between two layers of tempered glass, car windshields are commonly destined for landfill once decommissioned.

The proposal gives these products a second life at The Fork, turning the lamination into an advantage and the beauty of their breaking patterns into an attraction referencing Winnipeg's snow and frost. On public display, *WindShield* adds a component to the urgent conversation about material consumption within the dominantly linear economy, using glass as the example.



1. Close-up view of WindShield



2. Locations of the local car repair shops in Winnipeg, which exchange car windshields on a daily basis.

3. More than 1.2 million windshields are replaced in Canada each year. It is calculated that approximately 95% of those are not recycled but sent directly to landfills. WindShield utilizes this free resource from the direct neighbourhood of the site.



4. Perspectival view









7. Detail

Material List: 24 car windshields Timber structure, standard 2x4" beams, bolted together Dry gasket seals in between glass and timber



4. Lifting 'The Flake' with a small crane to its place and connecting it and the 'Anti Flake' to their metal bases (detail in 2nd sheet), then covering the bases with snow. The pavilions are constructed using only 3 materials; steel rebar, timber and snow, which enhances the relations between the formal complexity and the materialistic simplicity.

WH-V2022-0002821 'CONSTRUCTING A SNOWFLAKE'





'The Flake' - connection to metal base (covered in snow) Rebar 10mm dia, Metal plates 40*15mm





'The Anti Flake' - connection to metal base (covered in snow) Rebar 10mm dia, Metal plates 40*15mm















《REBIRTH》

In recent years, because of COVID-19, the world has gone through a dark time and suffered a lot of pain. We have to give up part of our freedom for health, just like many kinds of insects, which bind themselves in pupae in order to become adults.

The architectural form comes from the silkworm chrysalis. It hangs on the branches and leaves the ground. The only thing you can notice after entering is yourself. The pure and white world gives you space for self thinking and healing. The soft skin wraps people's bodies and soothes the injured soul.

Like a larval insect, it passes through the pupal stage and becomes a stunning and beautiful butterfly when it wakes up again.

ID:WH-V2022-0002824











Back elevation

Plan









The overall frame is composed of light steel structure rods, and the steel wire traction rope connects the external frame with PVC-coated Polyester. Most components can be recycled after use, reducing resource waste. The clear structural logic also provides the possibility for rapid installation.

Made from recyclable materials, the View Hut offers shelter to give warmth to the people in the River Trail located on the Assiniboine and Red Rivers in Winnipeg, Manitoba. The outer shell was made of recycled scrap metal sheet. It has three rows seat also made of recycled metal sheet and a checkered plate ramp which leads to a proscenium-like deck. While on the deck, the guests will have a panoramic view of the frozen river, hence the name of the structure was View Hut. The View Hut has recycled metal drum fireplace which provides warmth to the end-users in the freezing cold environment. The form of the hut was very simple. The viewing deck was lifted off the ground giving the guests a feeling of riding a vessel while overlooking n the frozen river. The people will surely enjoy this warming hut. Giving new experience, intimacy, connection, and memories.





AXONOMETRIC VIEW





FRONT ELEVATION

LEFT-SIDE ELEVATION

REAR ELEVATION

WH-V2022-0002828

RIGHT-SIDE ELEVATION



Ror COIL

First, I started interpreting the word warm as what it meant to me. What are the characteristics and start to find patterns, inspiration for design? when I got it So I chose pangolin.I started to look at the shape It's behavior what it does. After watching for a while I'm interested in it when it's curled up. So I came up with this kind of design. By looking at its feathers that resemble ts body when curled up. So I came up with the idea that my hut was going to be bent in and out. to be the main form by choosing to do in parametric form and prefabrication























elevation d

P R O X I M I T Y with other humans has become a dilemma for us within the last couple of years. As the world slowly re-opens, we are yearning to go out into the world without fear. But stepping right dead center into a mass of unknown people is a situation we still might not be ready to face. This warming hut gives us a safe way to experience the feelings that arise from proximity.

Built from ~50 discarded mannequins from the brick-and-mortar business es ravaged by the last few years, the structure blends naturally into the winter scenery when viewed from afar. But as the viewer comes into the vicinity of the warming hut, the "human pyramid" formed by the mannequins starts to take shape. As the viewer enters, they are greeted by the emotionless and blank faces of the mass of mannequins. Some might find the proximity strangely soothing, most will probably feel a slight sense of



1.) The floor plates of the first level of mannequins are bolted into the sled for a rigid base to start piling the other two layers.

1/2

unease. As the hut is a very time specific installation, the feelings that the proximity to 50 lifeless mannequins will probably never be the same as it is at the current moment of our shared world.

The installation also aims to remind us of the current situation of local businesses. The past couple of years have been catastrophic to the momand-pop businesses as the online stores run rampant in their ruins. The mannequins will be acquired from closing businesses from the vicinity to make a completely unique and locally specific installation. As the structural system is non-destructive to the mannequins, they can be donated to design schools and struggling businesses after the event.

PROXIMITY

Warming Huts Competition v2022 - Registration ID: WH-V2022-0002834





View from inside



Top view



Front elevation - 1:50



Side elevation - 1:50



Side elevation - 1:50

Back elevation - 1:50

2/2

PROXIMITY

Warming Huts Competition v2022 - Registration ID: WH-V2022-0002834



ISLAND [A] An island is a piece of land that is completely surrounded by water.





ISLAND:

[B]

[B] General view of ISLAND Part of the idea of this conception of space where it is an analogy to the island, surrounded by water in this case at the time of year our perception is on ice, at any point that could be located it would generate a small island green, standing out from what surrounds it. We want the user to identify the element from anywhere in the city or the river, allowing them to approach it and wander under its green canopies, hinting that they are inside a small green island, with the passage of time the wooden base will be covered with snow and only the poles will stand out like trees growing from ice, a poetic feeling in winter.





The hut is inspired by the idea of warmness and coziness. Inside there are seats, where people have an opprotunity to drink tea and chatting each other around the fire, or just they can take rest from the walk. The construction is metal. Resque fire creates a connection with outer space, so the hut is like a part of winter landscape. In the centre there is a fireplace. Setting up a fire is the most ancient act of warming. Near the entrance there is a triangle space for matches and kindlings.



INTERIOR VIEW











The transparent vinyl coverage strengthen the impact of the rays of sun. Due to the ventilation through the perforated metal sheet and the vinyl barrier of the entrance, there is a warm. The hut is easy to implementation but it achived an efficient finalresult.





INTERSECTING



CONCEPT SKETCH

This proposal draws insipiration from the intersecting nature of the Red River and the Assiniboine River. The crossing of any transporation routes usually marks a popular meeting spot for people to exchange ideas and goods, which is exactly what this warming hut will do. Wood is used as the base material to echo the image of a boat, with ETFE membrane on top to add a constrast of solid/transparent and hard/soft. The intersecting shape creates two pods, for two groups of people to enjoy simultaneiously. The ETFE membrane is a perfect source of insulation to trap sunlight and keep the air warm inside, while maintaining ample daylight.

The assembly of this warming hut is simple and cost efficient, with wood stud and plywood at the bottom to form the curved shape while the same studs extending up to become the framework for the ETFE at the top. Lights will be installed inside, so at dusk warm yellow light will glow out through the translucent pillow, rendering out a romantic scene in the snow white world.



WH-V2022-0002857





The NEST, a novel Vernacular...

There is scientific evidence that 'Homo Erectus' has been able to control fire for about 1,000,000 years or so. The act of controlling fire, radically changed human behavior, his social interactions, his diet, his capacities to adapt and his communication skills, along with many other cultural advances. The same act of lighting a fire exist nowadays and serves somehow the same purposes that started a million years ago... What has changed?

The oldest of human behaviors is to look for shelter, the very first being a cave.

Furthermore, huts and havens have evolved, materials have diversified, construction techniques and tools have developed but basic behaviors like communicate, share, gather and interact have prevailed. Our NEST aims to foster these fundamental and essential human behaviors by generating a space that represents all the technological advances, design tools and digital techniques of our time in conjunction with traditional hand craftsmanship indispensable to assembly our object. This is what we define as 'The novel Vernacular'...

WH-V2022-0002867





USERs MANUAL.



1. Feel free to take the wood logs from our Nest structure.

2. Light a fire with friends, share, gather, party and enjoy the experience inside our Nest.

3. Have you realized that our Nest's appearance will be constantly mutating? Come back another day and wonder about the transformation...!

WH-V2022-0002867



3D SECTION



and location along the structure.

create a tridimensional mesh able to hold a significant number wood logs.

The continuous use of logs to light a fire will generate an endless change in the morphology, porosity and silhouette of the nest.



OVERALL VIEW.

BIRDSVIEW.

NOTE.T Registration#: WH-V2022-0002871

DON'T BE AF

NOTE.TION is both a gathering place and unexpected inspirational message, activated by the viewers movement along the wall. A place to pause, reflect and experience the message as it is revealed through the viewers motion. NOTE.TION is intended to warm the viewer through its simple bold message. At night the message emerges in a new way as the photoluminescent outlined text shows in the darkness adding a new dimension to the installation.

VISILIA



DON'T BIE ALFI











Daylight view:



Evening glow: *Photoluminescent tape outline.





360° Tea Room

The 360° Tea Room has the character of a traditional Japanese tea room (*Cha-shitsu*, 茶室). With a small footprint and limited view, it is a meditative space that focuses on the present moment. Like a *Cha-shitsu*, this tea room has small and low entrances that are just enough for one person to crawl inside, making everyone in the room equal. The 360° Tea Room is built with paper to reduce weight, and you can flip it in any direction. No matter how you place it, one of the three entrances will always be close to the ground. Please enjoy the changing light effects it creates over time. It reflects the Japanese proverb *"Ichi-go, Ichi-e"* (once in a lifetime), showing gratitude for every unique moment.



WH-V2022-0002879

Images

















No light

Side light

Top light

Diagrams

2200

 \vdash

Orthographic Projection

_

Melting Hut

Our proposal tries to inspire visitors and remind them of the issue of global warming, that humans are increasingly influencing the climate and earth's temperature. The concept of this project is a warming hut in the form of a melting ice cube, implying that an ice cube is melting even in one of the coldest places in the world. In addition, the exterior and the interior of the hut make it look like it's about to collapse giving the visitors a sense of danger like the one facing our planet.

The design of the façade needed to be simple and with continuous pattern with the same materials to best present the "ice cube". Finally, staying true to our message, the materials chosen are sustainable and reusable.











FUNCTIONAL BEAST

In architecture, typology is the assemblage of types of buildings or elements, it is a method that provides structure and order, it communicates functions, provides coherence and meaning. Typologies were tools for reasoning and produce the urban plan, they established the standard of the dominant style throughout the years, ... "maybe the conventional histories get it right, maybe contemporary architecture is influenced most by a score of canonical buildings about which we all have read countless times" (L. Woods). The pavilion, the winter hut, as a typology is a structure which provides shelter or creates a visual reference.

Functional beast challenges comfort and user experience in architecture, forces the user to engage in a series of mechanics to enter the hut (stand, kneel, crawl, stand up). The proposal aims to provide an interior and exterior experience unrelated to its context, a hairy beast waved from Sisal fibres, a bad-hair-day pavilion façade, whereas the access to interior creates a wooden cove for up to two visitors standing.





WH-V2022-0002881

a. Exterior cladding. Sisal natural uncut fibers, overlapped pattern.
b. Exterior cladding. 12mm plywood, water proof sealed, natural finish.

c. Structure. Timber profiles according to design. 1"x 1"x varies, 1/2"x 1/2"x varies.

d. Interior cladding. Cork / 12mm plywood, matte finish.





Pingo

WH-V2022-002889

Pingo is a lattice of light.

A lattice of glowing lenses brings the resting skater into the moment. The shifting light and colors identify the passage of the sun, atmospheric conditions, and the seasonal cycle over the Allée Assiniboine.

Transparent, colored acrylic lenses are woven into Pingo's exterior surface. Like snow goggles, the edge-lit lenses cut glare and channel intense light to a darkened interior. The lens lattice harvests sunlight, reflection from the ice and snow, ambient skylight, moonlight, artificial lighting, and the nighttime winter shine of the city on the clouds overhead.

Pingo (def): A landform created by uplift from a network of ice lenses formed by water that infiltrates subgrade fissures and cavities.









Panel Detail (NTS)







WH-V2022-002889



Elevation 1:50

BRING INTO SNOW

Material Exploration, contrast exploration, studying materials, showcasing and appreciating winter.



As three recent graduates from Environmental Design at the Faculty of Architecture at the University of Manitoba, we decided to create our vision of a warming hut that showcases our abilities as design students. The material study was a huge part of any project through our education at the U of M. The design for *Bring Into Snow* was derived from our own material study; the structure uses saplings for its frame, braided nylon rope for reinforcement and aesthetic value, and the draping canvas on the interior is used to contrast the harsh cold environment.

We invite visitors to explore the materials of *Bring into Snow* as frost coats the rope, the canvas drapes in different forms, and the saplings curve over the top, creating the structure around.







Securing the canvas

Rope Support + Frame

Arch construction



One could argue the cave is the primary shelter. Uncork aims at giving the rustic feel of a primitive hut by creating a cave like structure made of cork. It is as if a giant hollow rock had landed in Winnipeg. The natural softness of the material allows us to design an inhabitable cavity to accomodate play and rest.

The installation is composed of 4 modules. Each one could be build seperately then be transported on the skids to be assembled on site. One module is composed by the layering of several cork sheets on top of one another. Each module is excavated in different places to create the cave like space once assembled.

WH-V2022-0002894

UNCORK

Since cork is a natural material used for insulation, the project also takes the opportunity to shine a light on this material and on the necessity of using bio sourced resources in the architectural realm.



UNCORK





WH-V2022-0002894
PINE CONE

As if finding a small hunting hut with warm lighting shining through the window in a dark snowstorm at night, Pine Cone is the warming hut that skaters could find in the open ice skate trail in cold, windy weather.

The skate trail is quickly populated by people who enjoy skating with family and friends. It is a long trail and a busy street like a downtown.

Pine Cone is the last resting place where skaters want to be relaxed and separated from cold wind and busy skate trails.

The shape is inspired by a pine cone in the forest. Water reed envelopes densely packed and tied at wooden framing using an old thatching technique represents blocking cold wind and noise from busy trails. Thatching can be freely shaped. The natural benefits of the material itself as insulation and its textures give us a warming feeling. In contrast to cold and open trails, the armored space gives us a slow moment and brings us a chance to look up at the sky with a calm feeling.





WH-V2022-0002896



CROSS SECTION VIEW



PARTIAL SECTION

WH-V2022-0002896



ELEVATION 2

ELEVATION 1



WH-V2022-0002897

FARMENDRK

The framework is displays kind of house
that you think about it when you are going through it
Lines - Walls - Windows - Sun - details
You build the house, you create the heat with your mind
There is no more explanation Maybe a few
incomplete words or a meaningless sentence .
What is your attitude towards the framework?
Don't think, feel
The house is only a four wall

Memories are made where there is emotion



radically altered by rapidly shifting health guidelines and socio-political landscapes. Mediated by the rapid response of ubiquitous digitization, we have entered an era of simultaneous comfort, unease, and isolated connectivity.

Designed as a physical manifestation of our blurred spatiotemporal realities, the Hourglass warming hut offers a moment of contemplation to reflect on our contemporary condition. As a nod to the mutable present, the overall form of the *Hourglass* is designed using video game physics engines to allow primitive forms to slump, droop, caress, and is paused in a state of comfortable imbalance. The Hourglass is clad with a quilt of monochromatic recycled sheet metal, both crumpled and cozy.

This proposal poses a looming question to us all - what conditions of our current reality demand that we hit the reset button, and what is here to stay?

Warm_{Wishes}

is nothing if not shifting landscapes. Warm Wishes offers a moment of reflection on the social and personal upheavals since 2020 and a ritual for looking forward. This village of furry shelters speaks to transitions through material, form, and experience. Anthropomorphic formsmade from biodegradables like jute and grasses-the structures embrace visitors, blocking sound and wind, for a moment of pause. Small parcels-comprised of a printed ribbon, a paper slip, and instructions-

adorn the interior of each structure. Visitors are invited to take a parcelleaving a trace of their visit-and reflect on changes they would like in their own lives, their community, the world. To manifest that change, they write their wish on the slip provided, and offer it to the universe in the communal warming pit. Keeping the ribbon as a memento of the moment, visitors can remain, warm themselves, reflect, meet with friends, and enjoy the wintery confluence.

The act of burning hopes and desires, a form of cleansing and renewal, is a common thread between religions and peoples around the world. Here, in the early months of a new year, Warm Wishes aims to create community amongst the diverse cultures of Winnipeg.

COMMUNAL SEATING

WARMING PI

PLAN SCALE : 1/4" = 1'-0"

The arrangement of the wishing spaces allows for both private moments of reflection within the vessels and public moments of community around the warming pit. Accommodating visitors in a socially distant

respectful environment.

SECTION SCALE : 1/4" = 1' -0"

Scarf Hut

I was inspired by my childhood cartoons, whenever the main characters were suffering cold, a scarf would always come from nowhere to give them some warmth and solace.

I wanted my scarf hut to provide such warmth for visitors. When people have been frolicking in the snow for too long or when the cold wind is approaching. Such a plush, warm feeling hut can be a temporary stopping point for them.

Surface mounted polyester fiber sheets.

Constructed from lightweight steel.

structure

In the structural design of this project, I wanted it to be lightweight, easy to install, and easy to disassemble. My idea for the structure is to use a lightweight steel frame and use structural nodes to link the frames. The polyester panels on the surface can be attached to the frame by gluing or nailing.

PERSPECTIVE

How cool it is after a fun skating ride to sit down and relax a little! It is especially good when the place for rest is warm and comfortable even when thw weather is cold. In my project, I tried to combine two functions: place to relax and lighting installation. The installation design is an L-shaped frame made of light plexiglass. Several lighting LED elements are embedded in the seridine. Electric heating elements are built into the seat. The seat is made of wood or MDF materials. Lighting LED elements are built into the end surfaces of the structure. When the twilight come, the entire installation will turn into a luminous oasis, the habitation of tired skaters for rest. You can apply various prints of the winter forest to the entire surface of the installation or simply paint it in monochrome, creating an effect a fabulous presence.

WH-V2022-0002913

Lighing installation Winter's Tale

The Winter-Crocus is the fractal reinterpretation of an emblematic flower in Manitoba, Canada (The Prairie Crocus) that is located throughout the temperate regions of the northern hemisphere. The design respect primarily the most important natural values of this perennial herb, as the color, opacity, form, number of sepals (6), and reflection of sunlight, turning all of them into architectural and design sensations.

The users will feel an emotion to dwell a flower when in the center part they find pistils to take a seat and appreciate the atmosphere purple color within this project, acting as a warm-up shelter for pollinators (visitors).

Undoubtedly The Winter Crocus is a tribute to the strong roots of this flower that for decades has been the first plant to bloom on the prairie each year, and this year it won't be an exception.

Section X-X

Final Proposal

Plan

NOTE: This project could be built of manually way or with a CNC machine, We have drawings enough to make it

EVOKING THE PAST IN A CONTEMPORARY ARTWORK REGISTRATION ID: WH-V2022-0002924

The hut is a refuge and a work of art that a person can resort to in the cold, and from here the idea arose (evoking the past in a contemporary artwork)

We can derive the idea of the hut from the traditional old huts that man has lived through throughout the ages.. When the visitor passes by the hut, he/she will recall the idea of the ancient man in the Middle Ages (a closed tent next to a blazing fire)

When the visitor passes by the closed hut with a transparent door that emits a red light, he/she will feel the warmth that the ancient man experienced, and curiosity will lead them to enter the hut and enjoy this warm feeling.

The design also took into account sustainability through the most important factors: 1 The front of the hut has a translucency Plexiglas or acrylic that allows the entry of light and isolatesheat, and it has been directed towards the south to enter the largest possible amount of sunlight.

2 A glass roof in the middle allows the light to enter the visitors' seats during the afternoon 3 External cladding made of wood that integrated with the landscape and achieves high thermal insulation

4 And finally a light lumen heats the Hut (without carbon emissions)

EVOKING THE PAST IN A CONTEMPORARY ARTWORK REGISTRATION ID: WH-V2022-0002924

Team Name: T.a.m

Design team member names with brief CV:

Our design team had two members: Dinh Hoang Tam(DHT) and Phan Nu Nhan Tam(PNNT). We are architects.

- DHT served as chief architect of an architectural design company in VietNam. DHT has just resigned to be able to pursue his art and architecture projects.
- PNNT was the design officer of a Studio. She also works as a charity volunteer for orphans, teaching architecture to a children's center. PNNT pursues architectural ideals that help the general public.

Name of contact person, including contact coordinates:

- Name of contact person: Dinh Hoang Tam
- Email: <u>dinhhoangtam15@gmail.com</u>
- Phone: +8437591370

A 100-word description of the team, highlighting the strength of this multidisciplinary association:

We are a young generation of Vietnamese architects. We lacked experience, relationship, and everything outside seemed different from what we had studied in school.

Today architecture just seems to cater to the rich. We're really struggling with that idea, so we're trying to participate in community design competitions to get a different view of architecture.

Christo and Jeanne-Claude were models for motivation and inspiration. We will always keep that passion for creation and bring work that helps the community.

Four images of selected projects for which team members have been responsible, followed with a brief description of each project

Four images of selected projects for which team members have been responsible, followed with a brief description of each project

The project: Floating Hotel

The Prize: WINNER "Floating Settlement on the Mekong Delta competition" and HONORABLE MENTION of "Radical Innovation Award"

The project honor appeared in many design papers: Architecturaldigest, Lodgingmagazine, Forbes

"The Floating Hotel planned for Vietnam is built to encourage ecotourism. The hotel incorporates local fishing cultures and tourism into an eco-hotel. Utilizing fishing cages and efficient space, the hotel encourages its guests to experience and participate in farming first-hand. The completely sustainable floating village will allow tourists to join in with locals to help the river communities. *y*

The project: Shool of happiness

The Prize: TOP 3 " Spec Go Green"

11 This is the Marsh Irag school for children. Forgotten marshland, inadequate facilities. The children here had nowhere to live and learn. We designed the school to improve the learning conditions there.

The project: Karin Dom's International

"

We had the opportunity to participate in an idea competition for the non-profit Karin Dom

Foundation. It is the center for rehabilitation and social integration (for children 2 to 8 years old) - early intervention Center (for children 0 to 3 years old) - Family-mediated Intervention Centre (for children 2 to 7 years old).

The project: Bandage Project

"The project improves the quality of life of the people of District 8, Ho Chi Minh City, Viet Nam. The area is frequently flooded, and the channel water is seriously polluted. The project proposes creating drainage and water filtration channels to improve water and habitat.

the wall of citizens

[identity] the wall is not created for viewers' distant appreciation; it is created by the people. the wall is a concretion of public participation and individuals' identities.

[nature] the wall is a recognition of gifts from nature: frozen river and falling snow. a formwork is designed to collect snow and to sculpt the ice wall, with effort from the cold climate and hands of the people.

[space] the wall and its formworks are configured to create implied space, sheltering people with sense of enclosure. the wall serves as rest stops along the skating trail.

[time] the wall is created by reusable formworks. after a piece of wall is sculpted, the formwork is sledded to its adjacent position where next wall is ready to be created. the creation process is a time marker, a recording of the season, of the festival, of the people come and go.

1 steel sled + structrual plywood frame

4 plywood board, water-tight, seating

2 etfe membrane, attached to frame

5 snow collecting, form work removal

3 plywood frame, structural reinforcing

6 ice wall

- ① 3mm plywood board
- (2) stainless steel connection
- 3 80mm x 50mm plywood beam
- (4) 80mm x 20mm plywood stud
- (5) 30mm x 20mm plywood frame
- 6 etfe membrane, waterproof, colored
- 7 4-ply structural composite board, 50mm
- (8) skid, stainless steel

moment in silvery world, where no one has ever seen before.

Peoples activities, logs textures and clouds movements are layering on the icicles.

Esthetic illusions with fire and light appear in the darkness.

Ceiling Plan (S= 1:60)

Floor Plan (S= 1:60)

Section (S= 1:60)

Elevation (S= 1:60)

Seven Oaks REG. ID WH-V2022-0002933

Red River has traditionally been a meeting place for people. The "Battle of Seven Oaks" took place on the banks of this river and was part of the colonial division of the territories of Manitoba. The new "Seven Oaks" are standing on the river and provide an opportunity for peaceful interaction.

Technically, the work consists of seven freestanding "trees" made of plywood supplemented by seven "falcons" made of pink light-transmitting plastic.

There are two different configurations of height from 3' to 8'. In the daytime the sunlight passing through "falcons" creates cheerful "bird"

Seven Oaks REG. ID WH-V2022-0002933

Together Again.

As winter falls each year, the Assiniboine River and Red River become icy seams (1-2), stitching together a triplet of riverbanks into a blanket of ephemeral landscape.

On this frozen surface an abstract form presents itself, rounded and dark as a stone smoothed by flowing water. Three doors puncture a rough timber shroud, inviting guests along the rivers' axes (3) through heavy curtains and into a darkened corridor within.

Between pinching walls (4), light spills down from above, drawing visitors towards intimately framed vignettes of the landscape beyond. Short verses by local poets complement each aperture, encouraging a moment of pause and contemplation.

From around a sweeping corner, the flicker of flames leads to the revelation of a central chamber - flaring up to the sky and snowfall above (5). Firelight dances in the mottled reflection of a metallic skin while a rounded seat invites us in to gather around its warmth -

Together again.

1. Summer condition Winter condition

Three doors

Shadow + refuge

2.

3.

4.

- 5. Light + prospect
- 6. Eastern approach
- 7. Darkened corridor

1. 2. 3.

4.

5.

WH-V2022-0002939

7.

- 1. Floor plan 1:50 2. Site aerial
- 3. Cross section 1:50
- 4. Charred timber
- 5. Dark cloth lining 6. Galvanized steel 7. Poetry windows 8. Inner chamber

Under-One-Roof

Under-One-Roof questions the possibilities of how a new connections could be reformed during the Pandemic of COVID-19. The connections could be started from a warming hut that allows us to understand the real existence of physical contact and the way of reconnecting with nature. The proposal celebrates the past and the present by proposing a roof, which allows visitors to first lowering their bodies and sit under the roof order to wander their own comfort zones / preferences so that they could spend their time to re-interact the boundary between themselves and the surrounding.

The roof will be constructed from varied lengths of wood / steel rafters, fabrics as outer and inner cladding that are light, easy to be dismantled, ropes in between the rafters to hold the structure in place. As the snow will be covered on the roof, the texture thus will be part of the landscape, embracing the Impermanence of life.

Basic Geometry

Fixed by Achor Points

Structure

Relationship of Roof and Landscape

Under-One-Roof

a. Outer Skin: streched nylon fabric + transparent PVC film

b. Alternative SuggestionSubstructure 2+Steel Mesh

c. 4.7″x 1.18″ 20 Steel / Wood Rafter

d. Inner Skin: streched nylon fabric

e. Ropes Substructure 1 ø 0.08"

f. Sided Supporting Rope or Steel Ring ø 0.08"

g. 15mm Steel Frame H = 25 -30"

h. Footing Anchor covered by snow

i. Foundation

а.

Perpective View

Side View

Rear View

Side View

CONSTRUCTION & MATERIAL SPECIFICATION

g.

Under one roof 02/02

Cabin of Arctic Summer refreshing visitors with greenery, contrasting the walls and floor and warmed by the perception of life.

The arctic is often thought of as being an endless River, they will stumble upon a simply constructed through the roof and the clear plastic walls. Moisture barren land of ice and snow. However, summers in woodshed, wrapped with polyethylene plastic sheet. can be introduced by the visitors during their visits, as the arctic are as colorful as our spring gardens. The The thriving moss stands out against the white winter, well as occasional maintenance by the staff. The Cabin Cabin of Arctic Summer envisions an encapsulated attracting people to explore the inside. As visitors aims to bring delight to visitors while sheltering them environment that will recreate a similar experience, enter, they will be charmed by the fully covered moss from the harsh wind of the cold winter. It serves as a lush hideaway for reflection and conversations. silence of the white-cloaked freezing winter of As moss only needs sunlight and moisture to grow in Winnipeg. As people travel along the Assiniboine the winter, there will be an ample amount of sunlight

figure 1: at the hut's entrance figure 2: experience inside the hut figure 3: plan

figure 4: section a-a figure 5: project's axonometric

7'

fig. 3

3' 7' 14'

fig. 4

El Tronador is an interactive experimental installation designed to bring together people in a dynamic room designed to stimulate the hearing. Sound experiences have a lot of potential to achieve immersive reactions, that is to say, that generally by including powerful sounds within a structural proposal, they can intensify the spectator's sensory feedback. The same happens with visual stimuli. In our case, the prominent metallic pipes that hang through the whole pavilion, well known as wind chimes. We intend to create a structure that allows passers-by to generate sounds through interaction with the installation. This would be caused by the collision of strikers braided to a cable or rope, against the tube chimes. The intense reverberance of the sound and the visual of metallic texture shining and reflecting, makes the experience even more interesting and immersive. That so, our main purpose is getting people enveloped in the sound and contemplation.



Three Bats



In the pine tree shadows three bats are sleeping upside down.

If you approach them carefully, they might let you join their siesta. You can slip into their pockets, put your arms through the wing sleeves and curl up comfortably. Congratulations, you are a batman or batwoman! Your dangling ice skates become the bats' ears.

The trio are sewn together from recycled dark clothing fixed by a rope to a bright scaffolding. Rotational and swinging movements are possible. Height and size are adopted to adults and children as well as transport needs.

You can stay and rest for a little while, might even have a warm chat with your neighbourily bat. Photos are allowed, but don't forget to turn of your flash.

If an animal is in need of positive press it is the bat, after a year of being blamed as the originator of Covid19. Although we should all be well aware that our own irresponsible behaviour towards the treatment of animals and nature is at the very source of all climate change related global challenges ahead.



















KEYNOTES

01 Pass Through 02 Shelter 03 Interactive 04 Seating 05 Beacon 06 Camp Fire 07 Watering Hole 08 Cave WH - V2022 - 00002949

02

03



AXONOMETRIC



The Huddle

The Huddle invites users to, literally huddle, for warmth. Inspired by the penguin huddle, the form of the hut curls in on itself, shielding users from the chilling wind. The warm wood tones on the exterior and the soft felt interior cloaks the users in a warm refuge.

The top rail is angled to allow for light to enter the center of the form and invites users to sit on the benches lining the interior. The swirling form creates a radial shape allowing for the center to encourage a form of social thermoregulation, as users stand and sit closely with one another.

The Huddle functions so that users benefit from the body heat of their neighbors which is then protected by the layered felt and wood lining the interior space, acting as insulation.

C HIHHH







->



Typical Joint Connection

Wood Framing

Exterior Wood Slats

Interior Felt Panel





THE HNT



The hut draws inspiration from an iceberg. Like the iceberg, the hut aesthetically fits with the natural surrounding but very different from it. The hut is a shade where the river visitors and commuters take a warm break and the hut is designed to offer that during the day and night. During the day the hut uses solar radiation to heat the interior. This is possible with fresnel lens skylights that converts solar rays into heat. The hut has an electric fireplace in the front corner with stools around for guests to warm up and head back on the river. The fireplace also lights up the hut when sun goes down.

The hut's design is made simple by using two by four wood as the main structure that is braced by steel for extra strength. The structure is also membrane for the PTFE cloth covering the hut inside and out.





Back elevation





Back structure





Front structure



Top structure view

steel/metal bracing for structural stability wood structure

flat finished stucco



STRUCTURE & MATERIALS

thin (1.10mm) fresnel lens skylight panels

opaque tensile fabric. Polytetrafluoroethylene (PTFE)





The plan of the project is based on the geography of the site, the meeting between the Red river and the Assiniboine river.

Plan of the project Scale 1:100

Our installation is a set of blue meshed curtains whose transparency and movement resemble the surface of clear water, as an echo to the iced water underneath. Varying heights and curves of the railings transforms the design into a natural landscape. According to your point of view, the layers of fabric create an array of multiple shades of blue, changing with the wind, the sun and even the visitors' input. The installation can be a metaphor of the unpredictable nature of water.

The wooden posts and railings are prefabricated so they can be assembled on site, ready to be anchored to the OSB floor panels with metal post footings. Then, the fabric is suspended to the railings, free to move with the air.

WARMING HUTS 2022 COMPETITION



SNOW'S SAILS

DESIGN SUBMISSION 1





WARMING HUTS 2022 COMPETITION



perspective view of the entire installation



Long winter walk, getting dark. You approach the house and from a distance you can see burning lights in the window of your room. You are in, you immediately get warm, imagine how you go home and drink a mug of hot tea.

The feeling of warmth and the mirage of glowing windows in our project. People walking along the river can stay in a house, warm up and find out the atmosphere of home comfort when it is cold and twilight around. The light of the fire emanating from the change house creates a play of figures, and it seems that the house is alive.

The object personifies the urban unit, whether it is a house in the suburbs or linear street buildings, or a united block.

The main materials weretimber structures and transparent polycarbonate. The polycarbonate facade reduced the cost and lighten the object.

It is based on 3 typological volumes resembling the silhouette of a city: a cube, a parallelepiped and an object with a pitched roof. Each object has rectangular window frames. In the plane of the windows, polycarbonate is less dense, which enhances the effect of luminous openings.













TUNING [THE] FORKS

With the ability to transcend boundaries of culture and language, music has always been a powerful social magnet, capable of breaking down barriers and fostering social connections between people. In this way, Tuning [The] Forks will provide an opportunity for Winnipeggers and visitors alike to make music together regardless of circumstance. Activated in response to user engagement with the installation, or by the presence of the winter Manitoba wind, Tuning Forks is a dynamic instrument of shelter that unites people through the power of shared musical experience after an extended time of living apart.

From the exterior, the dynamic installation evolves with the visitor's changing point of view, and subtle interactions with the wind, sun, and shadow create an environment reminiscent of shifting grasses on the prairies. Upon entering, the harmonically tuned custom wood marimba bars envelop visitors in an enhanced soundscape created through a series of suspended hockey pucks that act as instrument mallets.



STANDARD 2x6, VERTICAL A GRAIN, SOLID WOOD

ACOUSTICALLY TUNED BASED ON THE SCIENCE OF SOUND BOARDS AND MALLETS ACTIVATED BY PEOPLE OR WIND

WH-V2022-0002967



FRAMES SKY BETWEEN EARTH



INSTRUMENT OF SHELTER



- 01 GALVANIZED SCAFFOLDING FRAME
- 02 ACOUSTICALLY TUNED WOOD MARIMBA BARS
- 03 SCAFFOLD CLAMPS, HANGING WIRES + STRIKING MALLETS (PUCKS)













#BOTTLE

«The winter's tale will be enclosed in a bottle»

Bottle - this is the name we chose, because the exterior of the hut looks like glass, and the shape is made of bottles. The shape fits well into the environment, it reminds us of snow-covered hills or a snow sculpture.

The choice of materials fell on PET bottles, wooden frames and water. The frame creates a support for the form. Using a bottle cutter, we get ropes from the bottles that intertwine the frame. Plastic is resistant to cold temperatures and deformations, we use colored bottles to prevent the penetration of ultraviolet rays. We water the structure until the ice crust appears to make it resistant to wind gusts. The project is simple to install and easy to dispose of after use.







Wooden frame







Registration ID: WH-V2022-0002968

These abstracted snow dunes bring visitors a sense of surprise. The varied sizes and slopes generate a rich spatial interaction with visitors. Through experiencing the intimate art installation, one may feel a strong connection to the immense environment.

Snow Dunes

2.00

Plan	
1:200	

4.00

2.00

4.00

Snow Dunes

Elevation 02 1:100





METAL ANCHORING BOLT, ALTERNATES AT EVERY CORNER

1" THICK DARK WOOD PANEL BETWEEN POSTS

8"x8" DOUGLAS FIR WOOD POST

AXON DETAIL



WH-V2022-0002974 WOODBOX

Woodbox is a powerful, robust object in the snow-covered landscape. The rigid bunker-like structure signals shelter and protection from the elements. It offers visitors a chance to come in, sit down, and seek refuge from the harsh winter environment. Woodbox is built using interweaving horizontal wooden beams stacked on top of one another. The area between the beams is infilled with darker wood panels to create the enclosed space. Leaving out some of the infill panels between the beams generates long horizontal slits that offer visitors a connection to the outside. These beam and wood panel elements repeat inside to create opposing benches for sitting. The idea of the opposing benches allows a renewed chance at social interaction between visitors and a place to recuperate. The entry opening is oriented towards the south, taking advantage of the low winter sun while warming the inside of the structure through solar radiation. Woodbox functions as a space for solitude, gathering, and contemplation while warming those who seek refuge.





0002974



REAR ELEVATION



Corner view of the shelter showing the interweaving of the wood structure



0002974

CROSS SECTION



SUNSET winter monument

WH-V2022-0002975







1. up in the sky

2. see you tomorrow

3. stay a bit longer

4. all-day shelter

What is warmer than a sunset hut?

No better shelter on a windy winter day than a warm hut facing a beautiful sunset. We propose to eternalize this moment in the shape of a temporary installation, not only to shelter visitors from the cold winds, but also to provide a place in which they can watch the Canadian sun setting, every day until it warms once again.

By designing a simple and smooth structure we allow a merge between the sun shape and the frozen hills; when seen from the back, visitors will see a structure covered in snow, almost blending with the landscape, but from the other side... they will experience a heartwarming experience, a colorful face to reflect the sun rays and invite visitors to approach.



plan view

SUNSET winter monument







Inexpensive solution, powerful design

and budget-friendly solution. The installation will be monument will bring color and joy to the region.

of this process. And in order to assure durability and waterproofing, all parts will receive a minimum of The choice to use a single material for the whole two layers of reflective waterproof coating, before structure was key in order to provide an effective and after its assembly. We are sure that the sunset

* This strucuture is designed to be fixed directly into existing soil or a stable layer of thick ice.

SHINING HUT

IDEA

The concept of this hut came from "Fragilariopsis Cylndruses" life which is known for its ability to survive temperatures below 30 C and it is talented to sustain metabolic processes in the dark , thus this shining hut is inspired from the creatures which is capable to survive the darkness in the long run .















EAST Elevation



South Elevation



West Elevation



HUT OF HOPE

The past year and a half has been a rollercoaster ride with the pandemic making us feel stuck in our own homes. While there is uncertainty of the future, the only thing that keeps the mankind going is hope. Hope for a better future. A future which resembles out past lifestyles. All this while one would sit with their hands cupped onto each other giving themselves comfort and hope. Resting one palm onto another as a way to make sure that we are not alone and we are in here for the long run. The design for the warming hut takes inspiration from the cupped hands of hope and warmth and tries to replication the same emotions through parametric art installation. The inner and outer parametric forms resemble the cupped hands















0 2 8

32





perspective from within



perspective facing east

SKID

PLATFORM, 13000 mm

SKID

Hut Weather Station









WEST

NORD

EAST





The flagpole is suitable for placing directions and distance to interesting



Legend - STEVENSON SCREEN. Storage space for skates and skis. Log in from the platform. The outer four sides of the walls are oriented and marked to the cardinal points. A mast is mounted on the roof with windsock-weather showing the direction and strength of the wind.

SOUTH



Legend - BUOY and LEADING SIGN on the river. A place for taking readings of meteorological station instruments. The devices are hidden from the weather by a roof. On the roof there is a mast with a weather station showing the direction and strength of the wind, cardinal directions. A sundial is installed on the platform.



A place to rest and put on skates and skis. Meeting place. A place to watch the wind.



The platform consists of three pine skids. North-south orientation. The skids can be placed separately.



Sundial. The weather station stand is installed at an angle of 49.8844 degrees in Winnipeg latitude to measure the time and seasons from the shade of the stand.

Hut Weather Station

WH-V2022-0002984 DETAIL

1. Skid plating pine wood 100x24 mm

2. Platform pine wood 150x50 mm

3. Main structure pine wood 150x150 and 150x100 mm

4. Wall - cladding planken pine wood 90x25 mm

5. Steel Roof on the frame pine wood and plywood

- 6. Plywood sundial 10mm
- 7. Seating place pine wood
- 150x 150 mm

8. Mast_steel d 40-50mm



A. Weather station outside. Consists of measuring instruments wind direction and strength, pointer directions of the cardinal points, weather vane, anemometer, solar panel



B. Weather station inside. Inside there are appliances showing results meteorological station measurements outside. And also devices thermometer, barometer, hygrometer and others.

ELVERED

The winding Atlantic Red River flows through the whole of Winnipeg. It also flows into the majestic Lake Winnipeg.

I made an installation that repeats the bends of this river. So that the object fits naturally into the refined nature of the city.

Visitors of the skating rink will pass through two wooden structures towering above them. They are forming a tunnel and create a special feeling, as if they hugging you.

The object is made of natural materials. The design is simple, the wooden bars are held on the sheets. The arrangement of the structure is completely permeable.

You swim through the imaginary riverbed, getting rid of needless thoughts and move further.



RIVERBED

rial	units	number	price for one	the outcome
1	centimeter	3000 centimeter	280 RUR	28 000 RUR
1000	one	720	1.22 RUR	878,4 RUR
ire resistant II Premium	liter	8 liter	2 486 RUR	4 972 RUR
regnation for vl TL 30	liter	12 liter	11 140 RUR	11 140 RUR
cross-cut /ith a 0 to 50 mm	Руб	180	50	900 RUR
				53 990,4 RUR

PROJECT DESCRIPTION

To create a space that is both romantic and provides the warmth needed to spend romantic moments together, we designed cubes in different spaces of the park and along the river that people can participate in social interactions.

Young couples can be placed on the four sides of the cube with privacy.

The noteworthy point in this design is that people are safe from the bite of atmospheric agents as well With seats that are heated with thermal elements, it provides a relaxing atmosphere for people during the cold season.

The material used in these residences is made of Canadian pine wood because they are both available and easy to process.



Design of four double seats in four corners of the volume



Use pure form





Rotate the concept for visual appeal



Make a hole for sunlight to reach the trunk of the tree

Avoid the snow and rain

Creating a centralized seating area



CUBE OF LOVE





Out of the ice:

Made out of Glass blocks the design adapts the icy suroundings of the two frozen rivers. In the daytime the translucent fassade allows the sun to heat up the inner space and creates a cosy place. In the night it shines like a lighthouse and funtions as a shelter for lost hikers as well as for night owls. It is dividen in two parts. One closed part which offers privacy and invites the visitor to stay and rest. The smaller and open part offers space to change your shoes or to have a short rest. The round shape with its diagonal roofs creates a good protection against wind and a space of communication in between.

While nighttime the diagonal roof, made out of glass allows the visitor to watch the stars while having a rest and offers a space to spend your time with your friends having a drink.
















11′6′′



Registration ID: WH-V2022-0002988



0,62′

Dice on Ice _Warming Huts on Ice

Concept



'Dice on ice' is designed as a hut and shelter on the frozen river at The Forks, the junction of the Red River and the Assiniboine River. 'Dice on/ice' is named with rhyme, as its name implies, letting the visitors rest in it on the surface of the frozen rivers whether they choose to stay warm or feel secured in an icy environment. There are two types of 'Dice on ice' with four-color variations of PVC pipes available. One for warming hut is with white or clear color installed giving a different kind of enjoyable staying experience on ice and the other with orange color that can also be used for hut, blocks harsh winter wind providing a more comfortable stay. Resting, hiding, being secure and more of possible activities with these huts are meant to encourage visitors to have more diverse activities while the winter lasts. Besides, special combination types are made with different colors of PVC pipes such as orange CPVC, white PVC, clear PVC for multi-functional warming hut.

Materials



The Experience Offered







UNDER WING EMBRACING OUR DIFFERENCES

Taking an inspiration from birds, how they protect their nestlings from harsh natural conditions by taking them under their wings. the hut is designed to mimic the form of wings giving shelter and creating warmth to the visitors.

Considering the age-old technique of 'thatch roof', the outer layer will be made of linear thatch units attached to the wooden framework, twisting along the height. giving it the illusion of bird lying on the snow, protecting.

As the passerby approaches the creature, visitors will discover the warmth underneath, created by thatch feathers. also, some of the in-between units will be made of colored fiberglass panel, creating dynamic shadows along the way. the 6 colors represent the LGBTQ community. showing how we can **enrich the lives of others through diversity and inclusion**.



ELEVATION





WH-V2022-0002990

the hut could be placed as a single unit as well as composition of multiple units arrangd together, as a flock of birds





CINEMA Fragment of you and your city

You are the main character of your life. The place you are in is the world of your story. At the same time, you are the background of others stories.

Cinema is a continuation of images. Each image is static, but people see objects in the image as moving by its continuity. This is the system of cinema.

There are white screens with wooden frames. These frames split up the landscape. The sceneries split by the structures become a cinema -continuity of the scenes- for people passing through the pavilion.

There are continuous wooden frames on ice. By splitting up the seamless motion into layers, people outside the pavilion recognize a person in the pavilion as a character of a cinema. Everyone becomes an audience and character in and around this pavilion.

You will watch a cinema and be a cinema on ice.





WH-V2022-0002991



Balloon Pavilion

of several slender PVC pipes, providing a shaded space for everyone. This floating and trempling orange object/roof will be placed above the snowpack with fuzzy connections, creating a dynamic and sensual atmosphere for its surroundings. They will be lighted and guiding people as warm lanterns when the sun goes down. As a simple piece of plate, it doesn't have walls, yet a tranquil forest exists in the snow. Snow will be leaking from the skylight and piling on the ground where children start to making a snowdrift. It piles up gradually and people realize they could touch the balloon while stepping on the snowdrift. "It feels like the warmth of human touch!"









Plan 1:100



Elevation 1:100



Diagram



- Custom Balloon Helium filled, provide 1.8kg floatage Translucent material

- **Velcro Tape** Connecting each ballon Provide connection for beam and ballon

- LED Light Lit up Ballon Pavilion at night

- PVC Pipe as Column/Beam Inserted 30cm into the compressed snow Resisting small snow/wind load

Cable
Fixed into Plywood Base
Holding floating balloon

- Plywood Base Covered with snow, not visible

- Flatten&Compressed Snow A flat and solid base for Column and Plywood Base

WH-V2022-0002994

ENCHANTED CANOE

The concept is based on a Canadian fairy tale legend. Its essence lies in the fact that the devil made a deal with lumberjacks who miss his family. The devil helped the peasants get home, but at the same time they did not have to say a word during the whole journey. The lumberjacks could not restrain themselves when their hearth began to be seen. "So they scamper across the sky in a cance, appearing only on Christmas night."

The wooden canoe seems to float over the ice. We all know that a frozen river reflects the sky, this fact further ties our project to a fairy tale-legend. Canoe - water - connection. For this, we used a rope to emphasize the river / river theme. The tree was used to match the real canoe of the time. Lights around the edges of the canoe. A reference to the stars of the night sky, because they light up only when it gets dark outside. The design of the art object resembles a puff cake, it took

strength and stability. The enchanted canoe is a project filled with warmth and comfort. It also has a moral component that makes every person think for a moment and draw conclusions for themselves.



WH-V2022-0002994

ENCHANTED CANOE







MAPLE LEAF WH-V2022-0002995

The maple leaf is the main national symbol of unity, a connection in time and history. The structure, consisting of 10 peaks, symbolise the 10 Canadian provinces. The art object has a broken contour, which allows the park visitors to skate through it. Inside the structure, people find themselves in a closed space, which rallies them and protects them from the cold wind. At any time of the day, the art object casts a shadow on the snow surface, repeating the contour of a maple leaf. This effect is also enhanced by the wood pattern inside the frame.

The frame of the art object is made from wooden beams. They are stable and monumental. Wood reflects something eternal, natural, as strong as the connection between people. The arrangement of the short beams structurally follows the pattern of the veins on the real maple leaves and adds stability to the structure.

Sheets of red plexiglass are placed on the wooden beams, as one of the unique shades of this color is acquired by the leaves of the sugar maple in the autumn season. This sheets are transparent, which allows the structure to create a patterned shadow, emphasizes the texture of the wood, and also provides you the ability to look around even if you're inside the construction.



MAPLE LEAF



Nº	Materials	Dimensions	Approximate amount
1	Pine wooden beam	50x100x3000mm	120
2	Red sheet plexiglass	3000x2000x5mm	20
3	Corner fasteners	90x65x65mm	120
4	Screws	4x70mm	200





Front view



0





Fastening schemes

Plexiglass fixing schemes

WH-V2022-0002995



Name of the project: The Spirits of Nature

Registration number: WH-V2022-0002997

Team members:

Anastasiiya Nosovets, author of the artistic concept, student, bachelor degree, educational program - Design of the Architectural Environment

Department of Design of the Architectural Environment, Moscow Institute of Architecture (State Academy), Moscow, Russia.

Anastasiiya Chernikova, author of the artistic concept, student, bachelor degree, educational program - Design of the Architectural Environment

Department of Design of the Architectural Environment, Moscow Institute of Architecture (State Academy), Moscow, Russia.

Sergey Kalmykov

Architect, designer, participant of the "Night of Light" festivals in Gatchina St. Petersburg, "Signal" in Nikolo-Linivets Moscow region, author of the winning projects of objects and installations implemented in 2018-2021, Hideout-winning project

Marina Sokolova, architect, teacher

PhD in Architecture, Professor, Department of Design of the Architectural Environment, Moscow Institute of Architecture (State Academy), Moscow, Russia.

Member of the Union of Moscow Architects, member of the Union of Architects of the Russian Federation, member Creative Association of Lighting Designers RULD

The contact person:

Anastasiiya Nosovets, e-mail: kiparis006.ss@mail.ru, +7 915 353 09 88

11/4, Rozhdestvenka St., Moscow, Russia

Description of the team:

The team is formed from undergraduate students - of the educational program "Design of architectural environment". They are creative core of the team and they have experience in implementing the project "Avangard" for the office of "Gazprombank" (Moscow, Russia). Moreover, the team includes young architects-designers - graduates of the Moscow Architectural Institute, who have been working on competitive projects with subsequent implementation at the festivals "Night of Light in Gatchina" (Gatchina, Leningrad region, Russia), "Signal" in Nikolo-Lenivets (Kaluga region, Russia), etc. The project is being developed in cooperation with teachers who are professional architects, designers, artists, who have also participated in the previous experience of developing and implementing the team's projects.

Artist Information:

Marina Sokolova, participant of over 30 professional exhibitions in Russia and abroad. Latest Exhibition: Space-Reverse Perspective, Pushkin House Online Platform, London, UK, April-May 2021.

Architect Information:

Marina Sokolova

Marina Sokolova PhD in Architecture, Member of the Union of Moscow Architects, member of the Union of Architects of the Russian Federation, member Creative Association of Lighting Designers RULD

Realized projects:

1. Avangard Project, Gazprombank office (Moscow, Russia), 2021. As part of the project, preliminary sketches were made, materials were selected and the project was implemented in the office spaces by team members.

Author: Anastasiiya Nosovets, Anastasiiya Chernikova

Consultant: Marina Sokolova



2. Pyramis, Hideout-winning project

A metaphoric object in the form of a truncated pyramid, similar to a Japanese lamp. Many strive to reach the top, but the higher we go, the less freedom we have.

Authors: Sergey Kalmykov

Consultant: Marina Sokolova



3. Dialogue with water

St. Petersburg International light art festival "NIGHT OF LIGHT" in Gatchina

People's Choice Award

Author: Sergey Kalmykov

Consultant: Marina Silkina



4. Scientific research work on spatial reorganization of part of the city of Cupino

Project-winner of the All-Russian competition for the best projects, creating a comfortable urban environment 2020 (nomination: small towns)

Author: Marina Sokolova, Marina Silkina





A subdivision of boxes formulated to fight against the winter elements and provide shelter, both individually and collectively, as well as gathering spaces to enjoy the environment created. The formation blocks Northern winds, maximizes Southern sun exposure, and creates intimate spaces.

The individual units are lined with felt, like the inside of a warm winter coat, making the spaces more inviting, while also creating a curiosity that will be only satisfied upon the inhabitation of the space. Throughout the day a kaleidoscope of multi-colored shadows will cast from the variety of apertures of colored plexiglass, transforming the winter wonderland.

For ease of fabrication, each individual box is constructed using CNC precision cut plywood panels and joined together without fasteners. The individual boxes are then bolted together, creating a formation of strength and stability as they march along the river.





Box Brigade













As we traveled the Red River and the Assiniboine River, we discovered gold. This treasure of nature for which Human has

fought for millennia and continues to do so. This mineral that was sought in the rivers during the gold rush.

In our society, gold ensures comfort and prosperity. It has become our refuge.

The gold is first and foremost a physical refuge since it allows us to cover our basic needs: feeding, sheltering, washing... It then becomes a social refuge in this consumer society where appearance is of paramount importance.

«Golden Hut» questions the relationship between gold and shelter, offering an immersive experience in a gold nugget from the rivers of Winnipeg.













Research & Project Summary













Images & drawings

ICE CUBE HUT - WH-V2022-0003001

An ice cube is a domesticated piece of winter whose main job is to keep beverages chilled.

We propose to bring these well-groomed cubes of ice out in their true habitat, creating a pixelated pile of ice cubes where one can sit in a glittering cavernous entrance and also on some of the outcrops of the pile.

To make the pavilion even more interactive,

there can be a table with ice cube molds and a couple of thermos bottles with water so anyone can make their own addition to the Ice Cube Hut.



ICE CUBE HUT - wh-v2022-0003001

Each layer of ice cubes are sprayed with water before the next layer is placed, making them fuse together in the cold weather. It is also possible to sprinkle with salt to achieve the same effect.

Since there are already machines that creates ice cubes with ease, we can hire/buy and later sell, a couple of these under a desired period of time to get all the material needed.







~5 meters





SNOWFALL PROJECT SUMMARY

On the "Snowfall" hut there are holes resembling snowflakes, resembling a slow snowfall. To make the facade look especially beautiful in the evening, it was planned to make lighting inside the hut, which through snowflakes will look like sparkling stars. So we can clearly see the silhouette of snowflakes. The energy for lighting will be taken during the day from the solar panels located on the roof of the hut. When the sun faces the facade during the day, then inside the building we can observe the opposite effect, that is, shadows-the silhouette of snowflakes on the walls. The roof is slightly tilted towards the storm drain, so that when the snow melts, water can drain from the roof. The frame is made of metal, the walls, roof, underground are made of sheet metals, and the floor is cut out of plywood. All of them are attached to each other by welding, brackets and bolts. To keep the warm, the basalt insulation can be inserted between the walls.

INTERIOR









SNOWFALL DRAWINGS

There are 5 dimensions of snowflakes. this is the largest of them. The sizes of the subsequent ones are 1.1 times smaller than those of each previous one.



.0

DOOR VIEW

TOP VIEW



FRONT VIEW

BACK VIEW

70 cm W008 240cm 5cm

CONSTRUCTION SCHEME



Nº	Name of materials	Unit of measurement	Quantity	Price per unit. CAD	Total, CAD
		WARMING H	л		
1	Steel square SO x 50 mm	m	34.4	5,19	178,4
2	Sheet metal 2 mm	m2	44,08	55,48	2445,6
3	Basalt insulation	m2	22.04	35.25	777.0
4	Bracket	unit	16	8.73	139,6
5	Pin M8x100 mm	unit	32	0.87	27.9
6	3x20 mm Wooden boards x3 m	unit	16	7.23	115.6
7	Paint	T	30	14.82	444.5
8	Welding electrodes 0.5 mm	unit	0.5	0,873	0.4
9	Rain drain pipe	unit	1	142.9	142.9
10	Outdoor cantilever lamp with solar panels 100 w assembled	unit	3	62, 54	187.62
	Total				4459,02





EINKEHR

As snow covers the land, we are drawn inward, to memories and nostalgia. In many cultures, language evolved to form words describing the nuanced feelings of winter. **Einkehr** translates from German to a 'stop' after a long hike in the cold. The specific rite refers to resting and rewarding a body, tired from physical exhaustion in the unforgiving weather. It's this moment when going through the door, you are surrounded by warmth in a room dimly lit by a fireplace and feel safe enough to undress from your coat.

The pavilion sees a literal translation of this idea. The familiar puffer coat acts as protective walls evoking a feeling of security and calm; of **Einkehr**. Like covered in the blanket castles of our youth, or enclosed in the pelts of the primitive huts of old, the visitor is centered on himself, in a contemplative state.



LONGITUDINAL SECTION / 3,8m x 8m

		E

LONG ELEVATION / 3,8m x 8m



PLAN / 8m x 3,3m



TRANSVERSAL SECTION / 3,8m (h) x 3,3m (l)



Made of **BEIGE COLORED PUFFER COATS** and **WOOD**, the space allows for a complex play of light and reflexions as the pieces dance slightly in the wind bringing the hut to life.





Throughout the past year, the global pandemic has affected people's daily life dramatically. social distancing, emergency response, and quarantine become common phenomena in people's life. Not only the physical distance has been extended to minimize the virus spreading, but also alienate the relationship between people.

With the joint efforts from the medical personal, front-line workers, government, and people around us, our everyday life has gradually moved back to normal. And there are so many people we need thank for.

This design is inspired by the shape of snowflake, transform a piece of plywood into an interlocking module that used as a postcard to express people's gratitude to the people who helped us through this special time. It could be medical personal, front-line workers, and the beloved ones. Together, The Winnipeger can interlink these individual pieces to form their own warming hut with their warm heart.





THANK YOU

Registration ID: WH-V2022-0003005



CNC machine cut out modules from 1/2" OSB board, sand and paint finished



3 paint colors and original wood texture will be choosed for the finish



spray paint "THANK YOU" note on modules, and leave blank space for people to write down the note.

Modules will be provided to the public on site and in the Forks. People can write down their thank you notes and assemble on site. The form of "WARM HEART" will be determined by people. After warming hut finish, people can take back their own module and bring home as a souvenir.



wood dowels will be insertted into the whole on the module during the assembly process in order to prevent detachment movment from external forces



ELEVATION

RED CATE PROJECT SUMMARY

Since hockey is a fairly popular sport in Winnipeg, this art – object resembles two hockey gates located mirror-like relative to each other. The design is lightweight, but well-stable, and absolutely blends well with the environment. Snowflakes serve as a decor in a complete composition, people passing by can enter the gate and take a picture with their loved ones. During the day, it is especially fun to watch the shadow of snowflakes falling on the snow. Also there is as sled that is attached to the design in the form of a puck. While adults are taking photos next to the object, children can have a lot of fun pushing each other through the gate, feeling like the main hero of the game-the puck. Thus, this design has another function – a mini-winter amusement for passers-by. The frame of the entire structure is made of metal, and then it is painted in a rich red color. The snowflakes are cut out of plywood and attached by brackets to the cables.



LEFT/RIGHT VIEW





TOP VIEW



60°

FRONT/BACK VIEW



MATERIAL COSTS IN CONSTRUCTION

-					
No	Name of materials	Unit of measurement	Buantity	Price per unit. CAO	Total.
		L GATE			-
1	Steel square 100 x 100 mm	m	61.2	14.35	877.9
2	5x2000x2000 mm Waaden plywood	unit	16	5.39	86.3
3	Steel cables 5 mm (6mm diameter)	m	110	2.43	266.8
4	Bracket	unit	372	117	435.0
5	Pin M8xI00 mm	unit	744	0.87	649.2
8	Paint	1	32	14.82	474.1
7	Welding electrodes 0.5 mm	kg	10	8.87	8.7
	Total gate:				2798.0
		2. PUCK			
1	Steel square 100 x 100 mm	m.	7.5	5.19	38.9
2	5x2000x2000 mm Wooden plywood	unit	1	5.39	5.4
3	Steel cables 5 mm (6mm diameter)	m	2	8,73	17.5
4	Bracket	unit	8	0.87	7.0
5	Pin M8x00 mm	unit	5	14.82	741
6	Paint	1	0.2	0,87	82
1	Welding electrodes 0.5 mm	kg	2.8	129	3.6
	Total pack		100000	1000	148.6
	Total				2844,7

There are 5 dimensions of snowflakes. this is the largest of them. The sizes of the subsequent ones are 1.1 times smaller than those of each previous one.



There are many global problems affecting our entire world. Today we are relentless about what nature and ancestors have given us, inventing and producing more and more new. Strands of bonds are interrupted. The space around and inside us is filled with

garbage. **POSTINDUSTRIAL WIGWAM** is a rethink. This is a new look at the usual. It's looking back at our past. The technology of its manufacture is very simple and understandable, and the materials are environmentally friendly. A fully wooden frame refers us to Canada's first inhabitants and vast forests. While the coating of secondary materials recalls the acute problems of our time and allows you to reduce the number of unnecessary things, gives them a second life. Post-industrial wigwam is our comic answer to what is happening and adaptation to it.













aterial name	Unit of measure	Quantity	Unit price, CAD	Total, CAD
100x6000	mm	8	9,08	72,64
0x6000	mm	1,7	24,36	48,72
ate pipe 3x150x2000	mm	2	220,39	440,78
ate pipe 3x80x2000	mm	2	88,73	177,46
5	m	2	101,78	203,56
ng angle 90x90x65x2	mm	16	1,15	18,4
BeA BeFIX HVV 5,0X40 TX20	mm	1 bag (250 pieces)	24,24	24,24
ic self-tapping PZ 3,5*35	mm	32	0,011	0,352
pings 8X180	mm	16	0,56	8,96
-120-9,6-12-IP20-PROL-6	m	12	5,03	60,36
om larch 1000 x 600 x 40	mm	1	46,98	46,98
l for lining	-		-	-
ut				1102,452

roach MM



Roach is a male headdress, an accessory of the Indians of North America, made of eagle feathers. It was believed that the roaches were endowed with great spiritual and protective power. The number of feathers corresponded to the number of feats of both the warrior and his relatives. This roach embodies the idea of community and unification.

The pavilion, created by layering pointed plates assembled into an integral composition, will be able to protect the visitors of the rink from strong wind, give them a rest and enjoying the silence. Mirror surfaces will reflect people passing by and the surrounding area. This is the idea of cooperation of the whole society, unity.

In total, roach connects 13 surfaces - the same number of cities and towns that were merged into great Winnipeg.







types of shadows

Registration ID: WH-V2022-0003008

Registration ID: WH-V2022-0003008

roach



1. wooden beams
2. screws
3. panels of glassy
alucobond
4. corner angle piece
5. led strip light

50x50x3000 mm 6x50 mm 1220x4000 mm 60x40x80x2 mm 4000mm

approximate	e number	a. front v
17		b. plan
2030 4		c. left vie
180		d. isome
13		e. types o

olan eft view sometric projection

e. types of beam fixation



COIOR CARD

Each village will have its own color. The pavilion is divided into 13 objects of different heights (50cm, 75cm, 100cm). On the lower parts you can sit and relax. Also, all objects can be moved apart, thereby creating passages between them. And you can also move them and get a full Winnipeg map.

In our project, we have combined facts related to the peculiarities of the climate, nature and the map of the place.

The pavilion is shaped like a Winnipeg map. It is divided into 13 village objects, which were later united into a city.




COIOR CARD







800





Nº	Размеры	Единицы измерения	Количество	Цена на единицу	Итого
1	50	См	5	8.500	42.500
2		См	4	13.000	52.000
	75				
3	100	См	4	30.000	120.000
			1		Всего

214.500







BREATH

The breath pavilion is a space for privacy, meditation and intimate setting. This building is a functional art object and pays tribute to deconstructivism. The pavilion has a wooden structure, the sheathing is made of corrugated board, two triangular compartments covered with honeycomb polycarbonate serve as "windows" to let in light. This space will attract visitors with its extraordinary appearance, as well as be a location for a photo.

However, the main function of the "breathing" pavilion is to warm visitors, but not with the help of heaters. A space designed for 1-2 people will envelop you in comfort and visitors will warm themselves with their own breath. The construction of the pavilion is collapsible and easy to assemble, materials are available anywhere in the world. This is an undoubted plus, because

A Blaum with M

经用标准

BREATH

Materials and fasteners

 Plywood. Plywood sheets are connected to each other with the help of metal "corners".

2. Polycarbonate. Frame made of profile pipes, point fastening of polycarbonate sheets with a thermal washer. Its design consists of 3 elements: a convex plastic washer with a leg that fills the hole in the sheet; a sealing ring made of plastic polymer or rubber; a plug that protects the self-tapping screw from moisture. 3. Wooden bars are attached to each other with the help of metal "corners".

4.Ball-pipe fastening.

 5. Facing made of corrugated sheets, construction made of wooden bars.
6. Facing made of copper sheet, construction made of wooden bars.

materials	quantity
polycarbonate 10mm 2.1x6	1
profilled flooring c-10 0.5	25
edged timber coniferous spruce,pine? grade 1, 10 cmx8m	20
polycarbonate washer 25x7 grey with EPDM gasket	200
mounting bracket 35x50x50 KU 1.8mm white cink	50
rubber modular tile 20x500x500	8





fasteners







WH-V2022-0003011

SAMPONYA







Scale 1:30





Nº	Materials	Approximate amount				
1. HUT						
1	Metal Frame	3				
2	Alumanium Panels	6				
3	Anchor Bolt 100mm	72				
4	Edged board made of pine 20mm	24				
5	Steel frame 200x200mm	6				

WH-V2022-0003011

SAMPONYA

Winter Hut/Installation "Samponya" The Samponya hut was created for the annual Warming Huts competition held in Winnipeg at the intersection of the Red River and the Assiniboine River.

This project was inspired by the musical instruments of Canada, especially the unique-looking multi-barrel flute - samponya. During the creation of the hut, I faced with the task of generalizing the main form and turning it into architecture. The cabin is a broken flute pipe, divided in half by three fixing structures. I paid a lot of attention to the ease of assembling the cabin. Each part is quite easy to carry, and the process of assembling the structure is simplified and does not take much time.



Rainbow Roll

An Interactive Rotating Furry Tubes

Rainbow Roll invites everyone to touch, move, and walk into an dynamic forest of rotating furry tubes. When neatly stacked on top of each other (in its 'static' position), these interactive tubes form a colonnade of colorful wool columns where visitors can get warm as they walk through. As soon as someone push and pulls colorful sections of the tall furry column, they'll soon find out that these are perfect for hide and seek!

Rainbow Roll is composed of nine interactive hollow tubes encased with hand-tufted giant wool tassels in assorted spring colors. These reconfigurable tubes are placed on two pre-fabricated skids by a steel pipe and rotatable, pivoting hinges.

With every visitor the Rainbow Roll will present new patterns of Warming Huts, forming a changing view of colorful forest from afar and a maze of furry tubes at different heights for visitors to play in.

PREFABRICATED SKID



[above] A total of nine furry tubes are placed on two skids. Each tube divides into three rotatable sections, that invites visitors to create their own patterns of furry warming huts for all heights (and different parts of their body)



Rainbow Roll

An Interactive Rotating Furry Tubes

Each interactive Rainbow Roll is composed of three parts: structural metal tubing that is fixed to the metal plate on the pre-fabricated skid, three sets of 30" diameter rotatable perforated metal tube (on a pivot hinge), and large-scale hand-tufted wool tassels in assorted spring colors that are knotted through the perforations on the rotating tube.



Colorful wool. Reminiscent of giant pom poms, car wash brushes, or a roll of wool blanket, the exterior of the Rainbow Roll is covered with hand-tufted tassels made with wool. Wool naturally tends to be a hydrophobic material due to its coating, lanolin. Lanolin is a natural oil or wax produced from the glands of sheep, and it conditions their wool and also acts as protection from the rain since it repels water. At the same time, wool fibers can trap water molecules inside rather than having it pass through, creating an insulating layer (as we experience in our wool sweaters). These qualities of wool fibers will presents itself as a performative and experiential material for the Warming Hut in the snow.



HIDE& SKATE

For the 2022 edition of Warming Huts, Épigraphe is proposing a village of warmth in the heart of ice-skater's paradise - Winnipeg. What appears to be a singular cluster from afar resolves into a series of unique huts up close. By varying form and scale, each hut develops its own identity while catering to different users and activities. Designed for all, the village invites young and old, people and pets, to hide, rest, chat, play and join to share some warmth.

Lin

Each hut is unique and designed based on strict parameters, using a rule book developed by our team for the purpose of this project.

Using only plywood for its construction, the huts are precisely computer generated, optimised and ready for CNC milling. Produced from standard 4x8 feet sheets, the three main components base, structure and shell - are assembled using interlocking joinery or secured with fasteners.

The varnish and laminate on exterior and interior face are applied prior to milling to simplify fabrication and keep labour to a minimum. Digital cut files are sent directly to the mill for CNC cutting before being shipped back to the site, where a crew of two can rapidly assemble the village.

In an effort for this installation to be sustainable and upcycled, it can easily be disassembled at the end of the season, flat packed and shipped to a new site where it can benefit a new community.



CNC cut birch veener panel. Connected by Half Lap joint The covering panels act as bracing

The inside of the panels are covered by a Formica ColorCore in warm red





WH-V2022-0003014

2022 TEMPLE this concept, inspired by artemis brauronia of acropolis building and show human's attitude toward creates a unity between the past and future the human-nature interaction as a place by using modren elements



FAMILY-HUT WARMING HUTS: ARTS + ARCHITECTURE COMPETITION ON ICE

Warming Huts are placed along the River Trail at The Forks in Winnipeg, Manitoba, Canada.

The proposal FAMILY-HUT provides a Warming Hut for a family of four to rest on the ice. During the pandemic time, even family members must consider social distancing. In the proposal, the round holes of different sizes and positions are designed in the vertical space for parents, children and pets. This design metaphors the special behavior of people during the extraordinary period of the COVID-19.

The design of the round hole hopes that people, especially those who maintain the posture of the fetus in the round hole, think about the origin of all things.

Strictly according to the size provided in the program, the proposal is built with steel structure, mirrored metal, wood, etc., the price is controllable, and it is very realistic.

This is the FAMILY-HUT with social distancing!



AXONOMETRIC



polished slab stainless steel

polished slab stainless steel

Timber

Timber

Stairs & Seat

polished slab stainless steel



ELEVATION

WH-V2022-0003016

FAMILY-HUT WARMING HUTS: ARTS + ARCHITECTURE COMPETITION ON ICE



2/2

WH-V2022-0003016

In freezing cold winters all you need is a cup of Chai (Pakistani Tea). The idea revolves around creating cozy shelters where you can enjoy the warmth of Chai sitting around a fireplace. The idea is to capture the essence of Chai. Chai is considered as fuel in South Asia and Middle East specially in winters.

MATERIALS USED:

CRYSTAL CLEAR ICE + LOCAL RIVER STONES





=



BUILDING TECHNIQUE:

- 1. Form-work will be created to mold the form of shelter.
- 2. Local River Stones will be frozen in crystal clear ice. (Ice can be melted and local stones will become part of the landscape).
- 3. The smoke chimeny on top is an indicator for skiers; inviting them for a warm cup of tea.





ELEVATIONS



Plan

... WALL (MADE OF ICE & LOCAL RIVER STONE) --- FIRE PIT

- BENCH

Registration ID: WH-V2022-0003017

Crystal Clear Ice Bench

Chai (tea) making

PAVILION DIMENSION = 7'-0 " x 7'-0" x 11'-6"

Hybrid material (Ice & River Stones mix)

Registration ID: WH-V2022-0003017

POLYCHROME GLACIER

WH-V2022-0003019

LOCATION: Winnipeg- The Forks, MB, CAN

The concept of this project is based on Winnipeg's icy and snowy feeling as inspiration, relying on glaciers as a prototype. Also, three aspects of warmth, art, and interaction are considered as the design principle for the cabin.

Under these concepts, by analyzing the average temperature and the angle of sunlight, the project can introduce a small amount of heat from the sun into the cabin, use natural energy to make the cabin warm. At night, the dim light from the hut also brightened the side of the river. The glacier glowing in the dark has absolutely added artistic flavor to the Forks.

In terms of interaction, the color-changing interactive wall brings joy to people. When people touch the color-changing wall with their hands, the white wall will change color on the surface. It feels like people melted the cold glacier with their body temperature. Just like Winnipeg in winter, it is no longer feeling cold because of the interaction between different cultures and people.



Scan the QR code to check the color changing paint material. Unfortunately, the manufacturers haven't provide us the video from white to color on time, but they promised to give us the technology.

MATERIALS AND STRUCTURES



USAGE ANALYSIS





ARTISTIC



NATURAL ELEMENT CONTROL

ELEVATIONS







		1		
	600	450	2250	
North elevation		3300		



	720	2580		
South elevation	3300			

Much like the long winter shadows cast on the snow from a forest of trees, the Rama Yantra registers time, place, season and presence to those who witness its measurement of place through its occlusion of light. Built by Maharaja Jai Singh in the 1720's and 30's as a featured element in both the Delhi and Jaipur locations of Jantar Mantar complexes of "instruments of measuring the harmony of the heavens," Rama Mantra is a pair of cylindrical vertical spires that measure celestial placement by the volume around a central pillar to align celestial bodies and cast shadows onto its interior surfaces. Celestial Lookout reconstructs these devices in their differing arrangements, in miniature, as rotating personal spaces through which not only the sky, but the frozen river environment near The Forks can be viewed through inhabitable translucent cylinders onto which wood enclosures and surrounding environs cast shadows. A set of 4 lightweight devices are deployed onto the river, allowing multiple people to test the versions of these small light, sun, and star filters and their play of shadow.



WH-V2022-0003020





PAIR: 12 SECTORS

30 SECTORS

12 SECTORS

30 SECTORS



¥

PAIR: 12 SECTORS













EAST AND WEST ELEVATION

NORTH AND SOUTH ELEVATION





12 SECTORS

100000

30 SECTORS

The warming hut playfully draws on prairie icons, referencing tree species (Cottonwood, Populus deltoides and Trembling Aspen, Populus tremuloides), and traditions of homestead quilting to create an immersive, experiential detour along the Red or Assiniboine River skating trails.

Two spirals of a series of connected, standing poplar logs, lined on one side with dense, warming quilting cotton batting or felt, create a delightful forest labyrinth diversion during the visitor's trip down the frozen waterway.







WH-V2022-0003021 - Page 1



8-16" dia x 96" Poplar Logs, fixed together with timber wedges and lag bolts



72" Wide Quilt Batting or Felt, Stapled to One Side of Logs



WH-V2022-0003021 - Page 2

Warming Inflation Hands





Warming Inflation Hands

In sign language, this gesture means

care and love. When protecting small creatures, our hands always make this shelter shape. Confronted with the powerful nature like ice and snow, we are just like the small bird in a human hand.

You can interact with this giant hand, feel its soft touch and the unusual scale. Hope this soft, orange hand can bring you some warmth both physically and psychologically.

Material:

Orange air Inflatable membrane material, prefabricate in hand-shape, with air charging system under it. Necessary wooden frame support.







RIVERBED

The winding Atlantic Red River flows through the whole of Winnipeg. It also flows into the majestic Lake Winnipeg.

I made an installation that repeats the bends of this river. So that the object fits naturally into the refined nature of the city.

Visitors of the skating rink will pass through two wooden structures towering above them. They are forming a tunnel and create a special feeling, as if they hugging you.

The object is made of natural materials. The design is simple, the wooden bars are held on the sheets. The arrangement of the structure is completely permeable.

You swim through the imaginary riverbed, getting rid of needless thoughts and move further.



Nº	name of material	units	number	price for one	the outcome
1	bar 5/5/300	centimeter	3000 centimeter	280 RUR	28 000 RUR
2	shkant	one	720	1.22 RUR	878,4 RUR
3	Joinery moisture resistant glue Titebond II Premium 5006	liter	8 liter	2 486 RUR	4 972 RUR
4	Protective impregnation for wood Rhenocryl TL 30 STANDART	liter	12 liter	11 140 RUR	11 140 RUR
5	Longitudinal / cross-cut sawn timber with a thickness of 20 to 50 mm	Руб	180	50	900 RUR
		2762	6.004		53 990,4 RUR

4000 mm

A Log Hut: **Celebrating Its Universality**

WH-V2022-0003026





Building types using log structures are found in architectural histories across the world. Here, we revisited the potential of a log hut to be both sustainable and imaginative. Cedar logs, burned 2-3mm from the surface in Japanese "yakisugi" fashion to carbonate them for durability, are milled with joints measured for stability. The pieces are meant to be processed off-site and assembled with minimal reliance on metal parts, with possibility for reuse. We also chose a playful volume and five randomized log profiles as a gesture of experimenta-tion. Two log pieces extrude at the lower end to offer small seating space for people to appreciate the terracing rhythm of cedar logs inside, charred in a gradation according to the duration of the wood's exposure to fire.

WH-V2022-0003026



Roof Plan Scale 1:50

Glacier - Flow

Winnipeg Warming Huts V2022 WH-V2022-0003027

Glaciers changing our lives. The presence of the icy giants shows us how small we are as humans. Man-made climate change, however, is altering the Earth's great ice sheets. Glaciers are melting, again affecting perpetual change.

In the pavilion "Glacier Flow" you can find shelter from wind and weather. One can look out of the crevasses and marvel at the change in architecture over the months.

The flowing nature of glaciers becomes clear here, because ice is a living material that deforms even at sub-zero temperatures. The melting phase of the ice pavilion shows the transience, the climate change like in a time-lapse film.

Have you ever been inside a glacier?

As an expert in snow and ice sculptures, I deliberately choose a construction of pure snow and ice from the Red and Assiboine River to experiment and explore the features of this unique material.



Glacier - Flow

Winnipeg Warming Huts V2022 WH-V2022-0003027









Elevations





Description of the walkable snow and ice sculpture: The pavillion consist enterily of snow and ice from the

Red and Assiboine River.

It will be gone after the season.

The size is about 3x3x3metre - the usual measurements one find in snowsculpting.

The shapes are sculpted with hand tools and allow the association of glacial crevasses.

Groundplan



SWIRL appears as a large, upside-down colourful ice cream . The installation is walkable and sitable. From the front view you can see the ice cream as a whole, by walking around it reveals that the construction is devided into 5 layers which provide seating areas. Here people (and dogs) can relax and enjoy an ice cream (for example;). It is a colorful installation that celebrates life with all its curiosities.

STA





SVIRB



4030

Joy in Snow Pavilion

The design intents to create a tiny but fun place of gathering in the snow. Blending in and standing out at the same time, the pavilion teases the visitors to come closer and take a look. Once inside, the openings shape the visitors' views in unexpected ways, thus providing a look-in and look-out dynamic and joyful experience.







Assembly Axon



Elevation o1

Section A-A

Elevation 02

Material and assembly: CLT Panels or Plywood on wood frame

Section B-B



Elevation 03

Elevation 04 1:200

Joy in Snow Pavilion

Hope River

Nature has always designed and manufactured the best patterns, the most beautiful shapes the most elegant curves and produced the best materials. Humans need to interact with each other. Recent events around the world have led people to get alienated from each other. Also, lack of human interactions can lead to abnormalities such as frustration.

"Hope River" is designed inspired by the shape of the river "ASSINIBOINE", in which the concept of hope is symbolically placed as a main element. Our purpose is to create a station where people interact together, sit on benches, and talk together, or skiers catch their breath! The convened community in the "Hope River", turns this place into the beating heart of Winnipeg.





Humans need to interact with each other. Recent events around the world have led people to get alienated from each other. Our goal is to create a station in which people interact together while staying there.



We were inspired by the ASSINIBOINE River as the basis of our design.







Community can be the beating heart of any human society. The resemblance of the ASSINIBOINE River to the heartbeat became an excuse for us to express our feelings through it.









By making a hole in the middle of a hard wooden wall, an aperture to the light will be created; and besides all unpleasants, this light will bring us hope.





inspired of fur clothes of Manitoba region's natives, one side of the wooden wall is trying to remember the history.



ry.

The ruf cover is artificially made up with recycled plastics.

The River of Hope can also play an instructive role by using histo-







WH-V2022-0003031

WOOLEN WARMING HUT

REGISTRATION ID: WH-V2022-0003032

THE PROPOSED WARMING HUT SEEKS TO PROVIDE SHELTER FOR PASSERS BY WITH A LARGE CANTILEVERED TIMBER ROOF, THICK WOOLEN INSULATED WALLS, AND A RAISED INSULATED PLATFORM ABOVE THE SNOW COVERED GROUND. A SINGLE CROSS LAMINATED TIMBER PANEL SITS ABOVE WALLS CLAD ENTIRELY IN BILLOWING FELTED WOOL DRAPERY, THE FARRIC WALLS SEEN AS THE ONLY SUPPORTS FOR THE SOLID SLAB ROOF. STRUCTURALLY INSULATED FLOOR PANELS SIT WITHIN THE SLED RAILS TO KEEP TO STRUCTURE OFF THE GROUND AND PROVIDE A THRESHOLD THAT FLOATS BETWEEN THE EXTERIOR CURTAINS, REINFORCING THE IDEA OF THE LIGHTNESS OF THE WALLS AND HEAVINESS OF THE ROOF. ONCE INSIDE, A PAIR OF WOOL CURTAINS AT THE ENTRY CAN BE DRAWN TO CLOSE OUT THE WINTER ELEMENTS, ENCLOSING A QUIET, COZY INTERIOR SPACE WHERE PEOPLE CAN PAUSE AND ENJOY.


WOOLEN WARMING HUT

REGISTRATION ID: WH-V2022-0003032



6 ELEVATION . FRONT SCALE : 1/8" = 1*0"

7 SECTION . SHORT SCALE : 1/8" = 1'0"

8 SECTION . LONG SCALE : 1/8" = 1'0"



4 ELEVATION. SIDE TYP SCALE : 1/8" = 1'0"

5 ELEVATION . BACK SCALE : 1/8" = 1'0"

WH-V2022-0003033

WRAP SHACK^{V2}



Proudly standing on the frozen Red River is an elliptical structure shrinkwrapped like boats needing a protective cover during the cold months. The taut surface of the WRAP SHACK is a syncopated surface of graduating diamondshaped surfaces. The structure is sheathed in a coloured cover that is equally saturated as a deep blue sky. A partially hidden and suspended metal sphere sparkles with light flickering in the cold air and cascading across the interior walls. Skaters on the ice are greeted with an entrance draped apart to reveal a space that provides the same protection for the visitor as it does for the moored watercrafts tucked away from the Northern climate. The structure's material strength and straightforward assembly make it easy to build in advance, move onto the site, and replace the skin with a different colour each year.





14'-0"



8 ' - 0 "







SHORT SECTION

PLAN

STRUCTURAL FRAME







Are we living in a computer simulation?

1

The question seems absurd. Yet there are plenty of smart people who are convinced that this is not only possible but perhaps likely. There is a long philosophical and scientific history to the underlying thesis that reality is an illusion. You can think of it like a high resolution or high-fidelity video game in which we are all characters, and the best way to understand it is the movie The Matrix

> Everyone can feel like a part of the game-the concept of our project . We have created an object that consists of pixel modular elements. which imitate the graphics of games we know well (Minecraft, Super Mario, etc) Inserts from dice are for playing and interaction or solving some kind of dispute in real life.

> > @ Which pill will you choose?







KODAMA

Kodama is a mysterious walk in a forest under a constellation of stars. It is a space in which artifice and nature interweave and converge.

Two worlds are coexisting :

* The « ground », symbol of our origins, of the rough Earth, made of various tree trunks from different sizes and shapes fixed on a watercolored oceanic ground.

*The « sky » symbol of our aspirations, made of various wood beams acting as a population of stars under a metallic roof.



Kodama expresses the spirit of Manitoba which balances between tradition and progress. Simple and elementary materials are used (tree trunks, wood panel, steel and wood frame) to place emphasis on formal primitive archetypes and sustainable building techniques. Basic assemblies create relations between the tree trunks. They support each other. A wood frame marks the perimeter of the project. It helps to fix the shining roof.

Kodama glows all day and night. It reflects the shifting landscape of the River Trail. It is a second nature in which the past and the future of Winnipeg are linked into a small surrealistic space.

WH-V2022-0003035





lee Cube



Inspired by the iceberg to hardly climb the rocky mountain. The design process was formed from the contrast between rock and ice to be more visible in the formation of the natural environment. In the meantime, the best material that can be displayed in an artificial environment is glass and stone layers. Who tried to show The best kind of contrast between the inner rock and the outer glass was made possible by using a cube to create a path between them. Being inside the cave from the outside of the ice mountain, this building makes us feel appropriate to the environment of Manitoba mountains.

WH-V2022-0003036

ALC: ONLY



and



northwest passage

The installation seeks an interactive dialogue with the public and an aesthetic-conceptual contrast with the landscape to explore climate change, asking how our action is reshaping the world as we know it and exploring the possibility and necessity that areas inhospitable to us until now, become livable in the future.

A checkerboard maze of linked corn cuttings will be crossed by a path that follows the routes of the Northwest Passage, which can be traveled every year for increasingly prolonged periods due to global warming, opening up to new frontiers and trade routes.

How will we react to the environment's signals, and how will we adapt to them? How much will the migration phenomenon linked to the climate become more acute, and how much will this become more and more necessary for an increasing part of us?

The installation uses a playful approach to make the guests aware that the world is changing.









plan view.

WH-V2022-000303

"3x3 cells" is the minimum size for the installation. If possible, we would like to increase the number to make the experience more fun.

With the help of local experts, we would like to understand if it's possible to create a thin layer of ice within the passages of the maze so that it will crack under the feet, giving the impression the ice of the lake is melting.

Could it be enough to lay plastic sheets between the passages and pour a thin layer of water on them?



DEAD FOREST...



Photo: Annette Seldén/ www.skyddaskogen.se

Dead forest...

Is clear-cutting a forestry and logging practice, or is it a form of deforestation? It is for sure an issue in many countries, and we experience it on a daily basis on our walks and run.

Entire forests are uniformly cut down, changing the landscape dramatically, destroying natural habitats, and disrupting indigenous peoples land.

0 1 1

At the same time trees retain an immense beauty and "visual strength", even after they've been cut down. We want to celebrate the beauty of trees, their importance and the need of protecting them. We want to encourage dialogue and responsible decisions.

DESIGN SUBMISSION • WH22 Dead Forest...



DEAD FOREST...





01. SOURCE

The remains of trees from clear-cutting areas are "extracted" and transported to the river

02. FOOTPRINT

The ice surface is carefully carved, so that each tree will fit perfectly in the ice, like it has always been there

03. REFLECTION

Where is the rest of the tree? And why is it growing out of a frozen river?



DESIGN SUBMISSION • WH22 Dead Forest...



fingin' in the shower



We all sing in the shower, and that feels good, liberating and funny.

We would like to invite people to to do the same on a frozen river, in the middle of winter... that would be even more fun!

Get into one of the colourful showers along the trail... and start singing...



	_	
DECICAL CLIDMICCION A MUL 122 Circuin / in the above		Γ
DESIGN SUBVISSION VVIZZ SINGIN IN the shower		Z
5		

Singin' in the shower **(**







CROMED FRAME (POLE + RING FOR CURTAIN)

PAINTED WOODEN PLATFORM

		-		-
DECICAL CLIDA/ICCICAL			T	
DESIGN SUBMISSION	VVHZZ Singin in the shower		.7	Ź
				_

WH20071420

HEART OF WINTER

The design site is located at a location 5 km away from the Forks, and the direction of this program is northeast along ASSINIBOINE RIVER, resulting in two sets of mutually perpendicular axis: one is to continue the urban context and connecting the city and park; the other is to take on the wind on the north side and the water on the south side.

The biggest feature of this design is that as the center of ice art, it not only takes into account the passing needs of traveling bicycles and skaters, but also provides a warm shelter for tourists. The facility enriches the tour route and adds the function of climbing and looking into the distance, which makes the facility itself a part of ice art.

By integrating factors such as rest space, observation experience, tour routes, solar energy utilization, light organization, construction methods, etc., the facility achieves both efPcient and unique artistic features.





BIRDVIEW

PERSPECTIVE OF REST AREA



 Heart of winter (HUTS Unit)
Wall panels systems (steel structure with outer solar systems)
Stair layer (with anti-slip strip)
Inclined enclosure steel panels (wiith vertical sight-window)
Auxiliary facilities (steel circular handrials, glass railings, anti-slip stips)
Chalet lounge (space for rest)
Crossing axis (walking through)
Landscape axis (city view and park view)





4

EXPOLSION ANALYSIS

3

