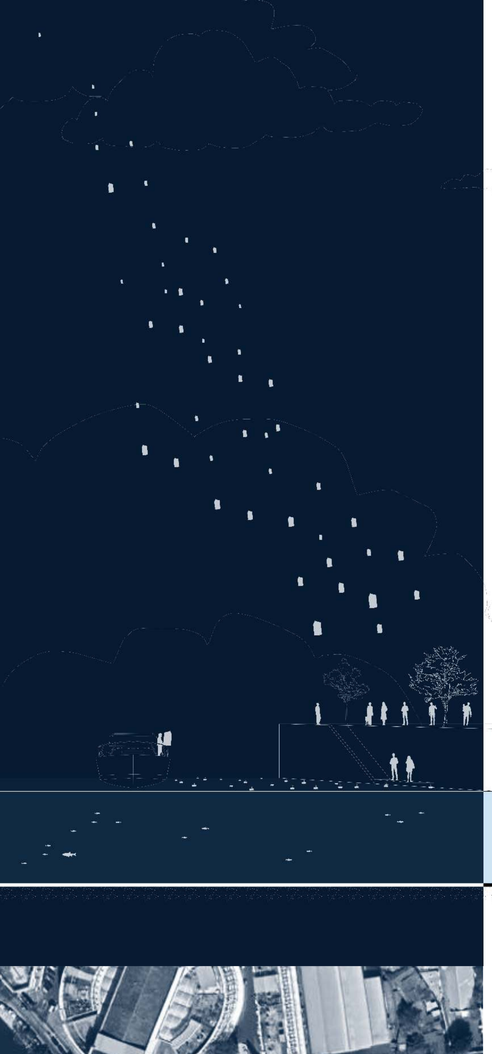
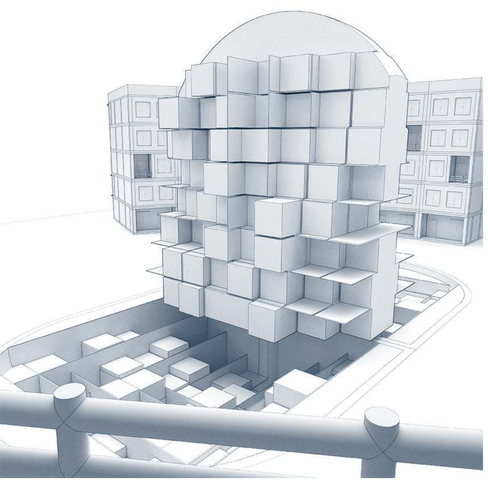
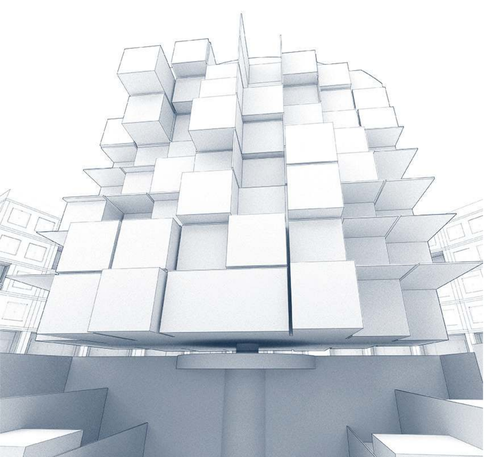
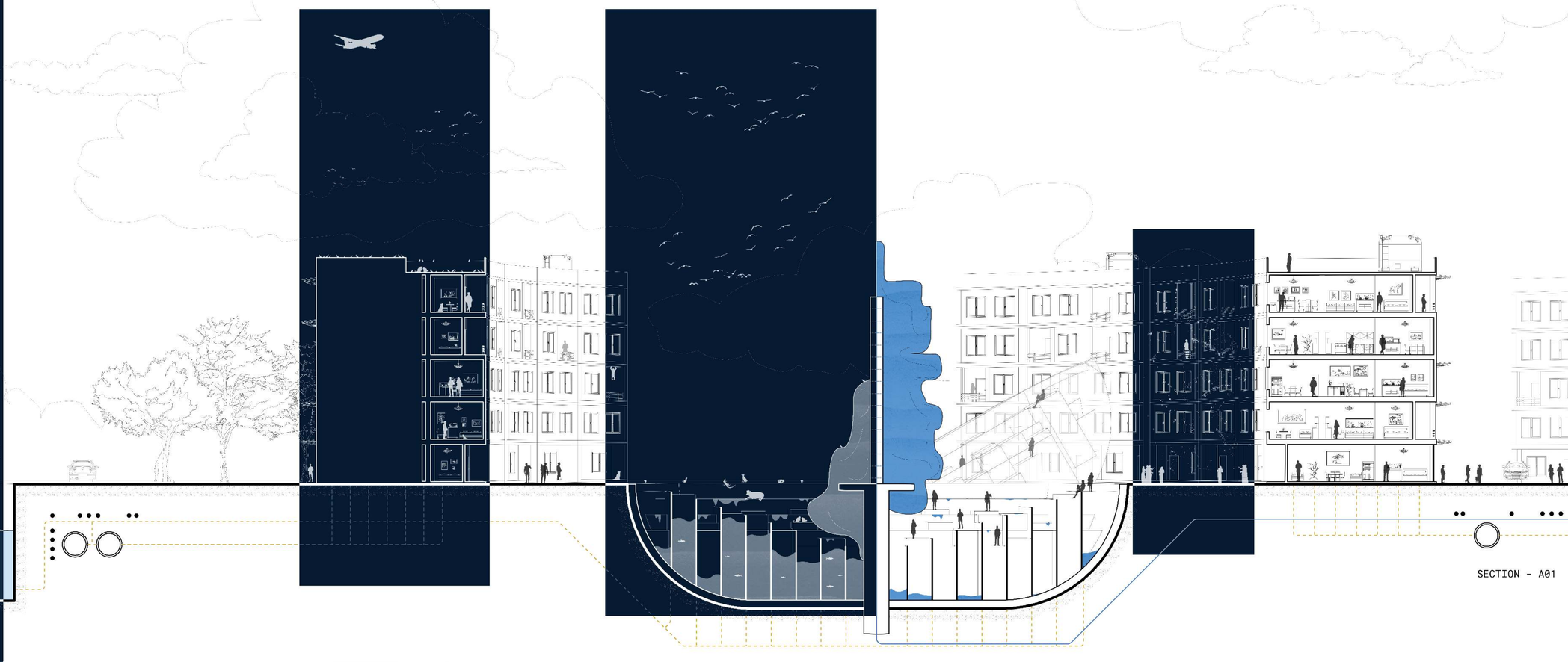








SECTION - A01

FROZEN OASIS

Frozen Oasis is a climate-responsive installation that merges ephemeral architecture with environmental activism. Centered on large ice structures formed through community participation, each installation functions as both thermal relief and symbolic restoration. As these site interventions expand, they foster a network of cooling landmarks that reconnect the built environment with ecological and cultural renewal across Thailand.

SEAN SAEP CANAL

A major canal in Bangkok, Thailand, used for drainage and public boat transport. Built in the 19th century, it runs across the city from east to west and helps commuters avoid traffic.

ROOFTOP TREES

The deployed trees on the roof will help the site trap cold air and also provide a relaxing atmosphere to the environment.

ICE DESIGN

The protagonist of the project is the ice, which is an active cooling process that cools off all the heat in the open area.

ACTIVITY ZONE

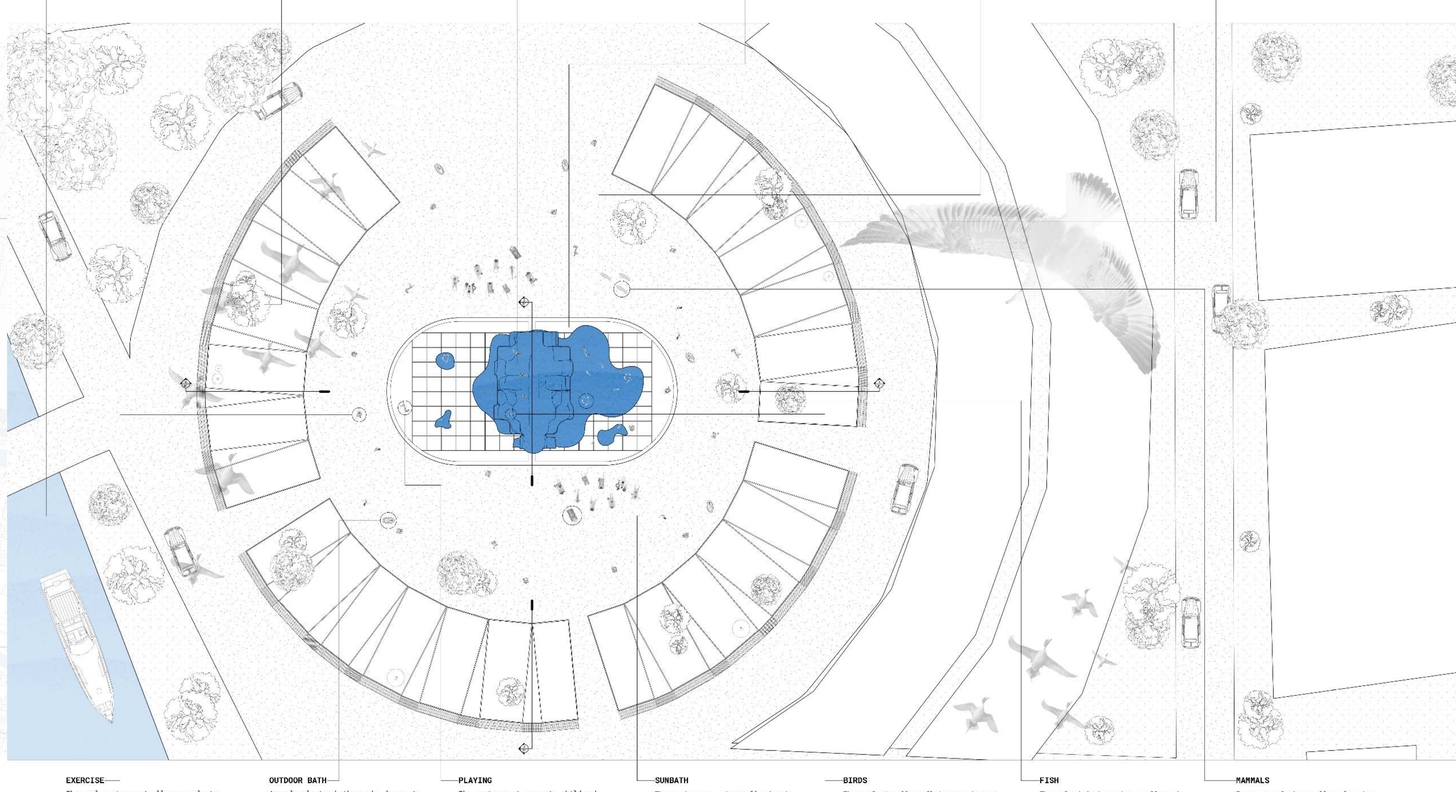
The supporting character of this project is the zone that allows the users to interact and will generate various possibilities for the design.

COMMON ZONE

An open area that allows the user to chill relax and do their alternate activities.

LOCAL WATER TANKS

The main water source of the design is water tanks, which will supply the water for casting the ice design sculpture.



EXERCISE

The cool environment allows people to enjoy outdoor excercising.

OUTDOOR BATH

A cool-relaxing bath can be done outdoors. With a balanced temperature between the design and the sun.

PLAYING

The environment supports children's activities, enhancing exercise at an early age.

SUNBATH

The environment gives off a beach atmosphere; therefore, sunbathing is also practical in the area.

BIRDS

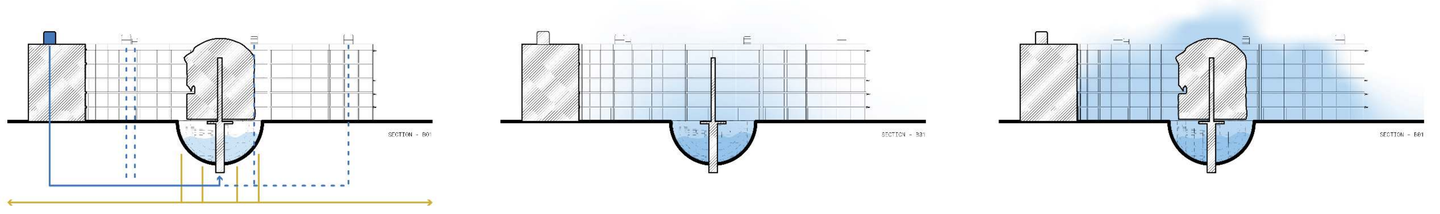
The cool air allows flying species to come and relax with humans.

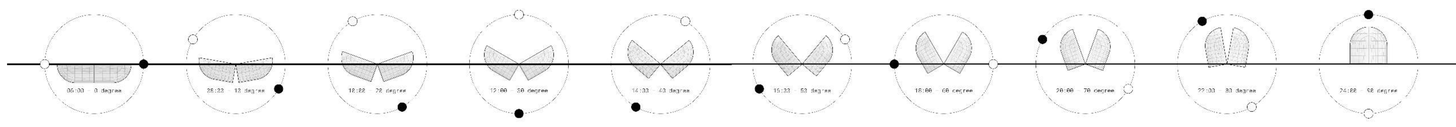
FISH

The melted design makes small ponds and the grid area, and fish can travel between the canal and the pond through underground pipes.

MAMMALS

Every mammal that suffers from heat can also come and enjoy the cool environment with humans.





06:00 - 09:00

The ice is fresh and ready to cool of the area throughuot the day.

09:00 - 12:00

The edges are null and icicles starts to form under the ice ceiling.

12:00 - 15:00

The shape is organic and starting to merge together into a singular shape. The height starts to decrease steadily.

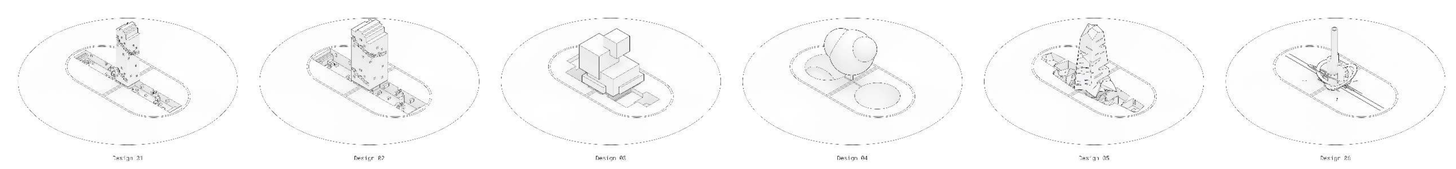
12:00 - 18:00

The height decreases and the bottom starts to spread throughout the ground.

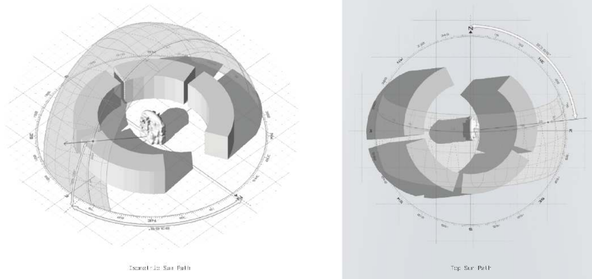
18:00 - 21:00

The Ice drops down and fully turns into liquid forms spreading throughout surrounding area.

Design Variations



Heated Surface



Metal Rod

Metal rod freezes the water from the center and spreads outward creating the ice sculpture.

Base Platform

The base provides the platform for the ice to stand on and revolve itself.

Wax

The warm wax heated by the sun, reshapes when activities' pressures are applied on it.

Waffle Structure

The waffle structure provides support and creates grids increasing design possibilities of the finsihed product.

Case

A shell of the design protecting all the infrastructure inside. Opens and closes on the set time frame.

Phase 01: Opening

The design opens up, allowing activities to occur throughout the day.

Phase 02: Activity

Activities have applied pressure on the warm wax material that will create unique shapes. The design is ready to close for casting ice sculpture.

Phase 03: Casting

The design closes up and spends the night freezing the freshwater that is channeled through the pipeline.

Phase 04: Showcase

The design opens up in the morningshowcasing the ice sculpture and the cycle repeats itself.