

SPROUT TOWER



The Sprout Tower is an insect shelter aimed at a variety of solitary bees, some of the most prominent being those listed to the right.

It is a structure created using sticks of bamboo, cut into pieces with such lengths that a bee can perfectly well exist within. These sticks are then plugged together, creating a very open, transparent space.

Other than providing shelter, it aims to become one with nature, letting even nature take over. This in order to promote integration of vegetation within the built environment, creating a future more fitting for insects and the way we as symbiotic creatures exist together.

The transparency of the structure exists to let bypassers examine the space the bee exists within, in a comfortable way. This is contrast to many shelters that are massive volumes, where the onlooker often does not know where exactly the insects are, or how many there are. Thus letting the fear of insects continue.

A humble approach, respecting nature.

ANTHIDIUM MANICATUM



HYLAEUS



ANTHOPHORA



**THE WIND IS
FINALLY WITH US**



SITE PLAN

The shelter would be placed as closely to the main building as possible, in order to receive the maximum amount of circulation.

In addition to placing the shelter there, plants of varying heights and flowering seasons could be planted. Both insects and humans could benefit from more vegetation than the current amount.

The chosen plants have pink/redish flowers, in order to blend in with the existing red brick buildings, as well as the metallic red architecture school.

POSSIBLE PLANTS TO BE PLANTED

FABACEAE
HEIGHT;
20cm



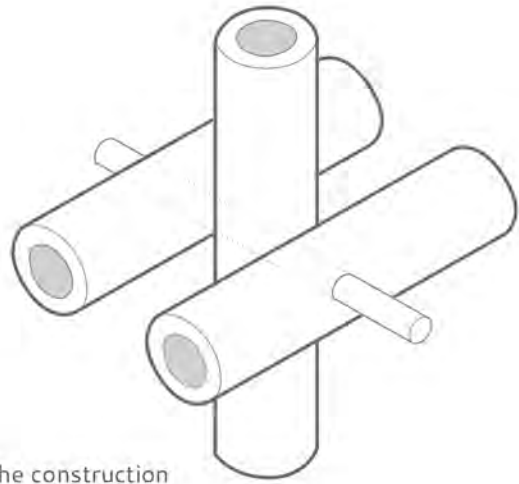
LILIACEAE
HEIGHT;
60cm



FABACEAE
HEIGHT;
150cm



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DETAIL
1:1

Showing the construction method of fastening all the pieces of bamboo to each other.



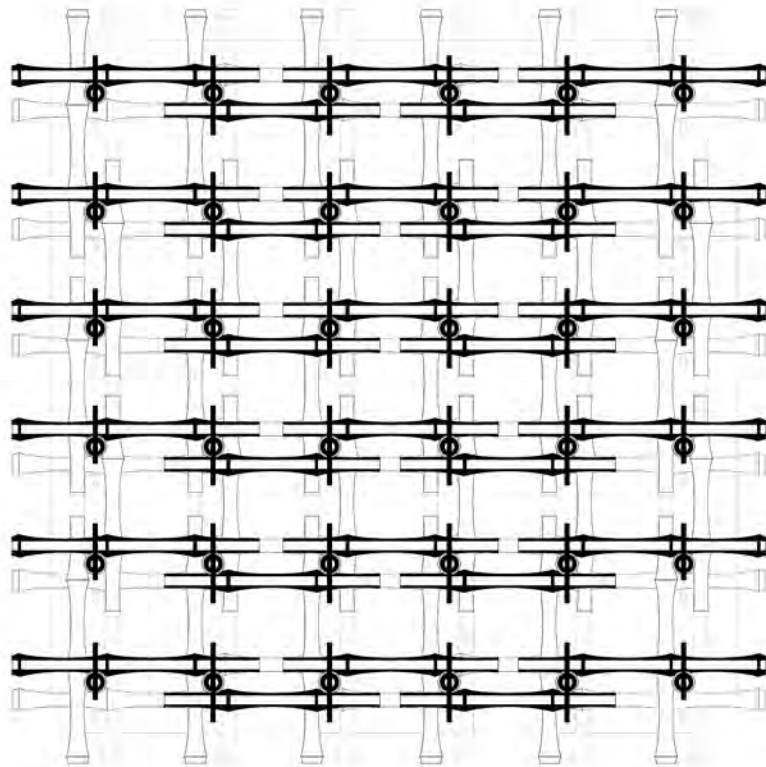
DETAIL
1:1

Showing how the pieces of fabric on the roof + sides are fastened using only the fabric itself.

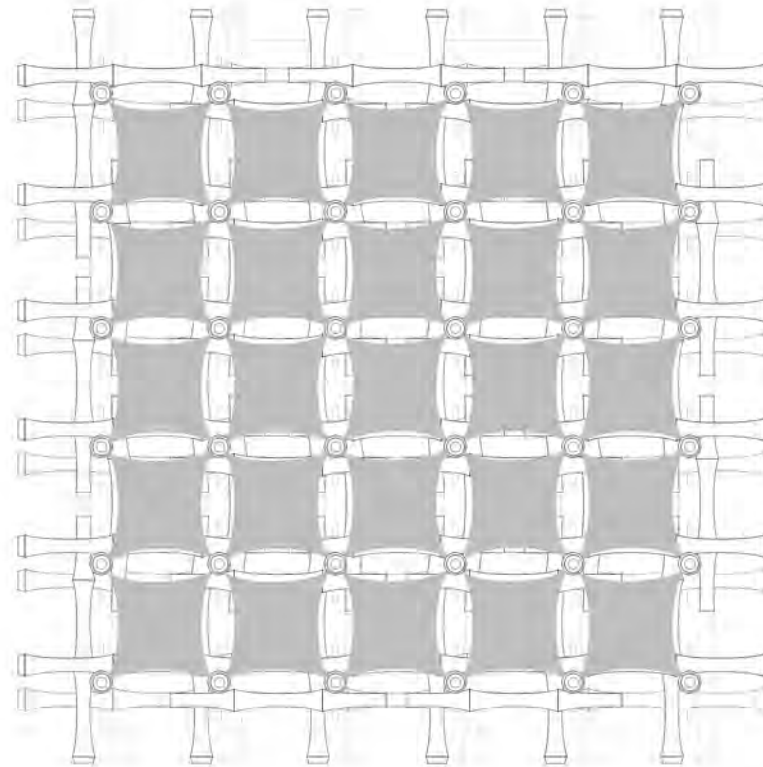


DETAIL
1:1

Illustrating concrete having been poured into the hollow area of the bamboo closest to the ground, adding further stabilization



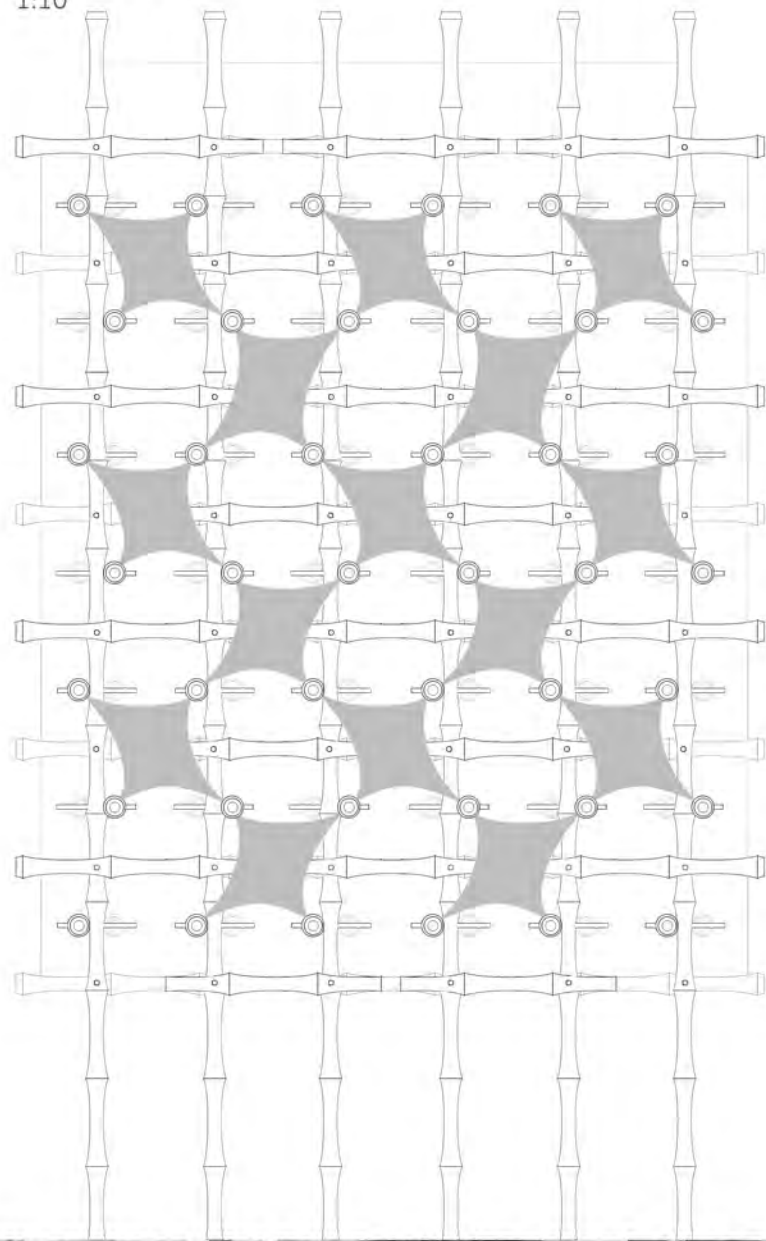
PLAN
1:10



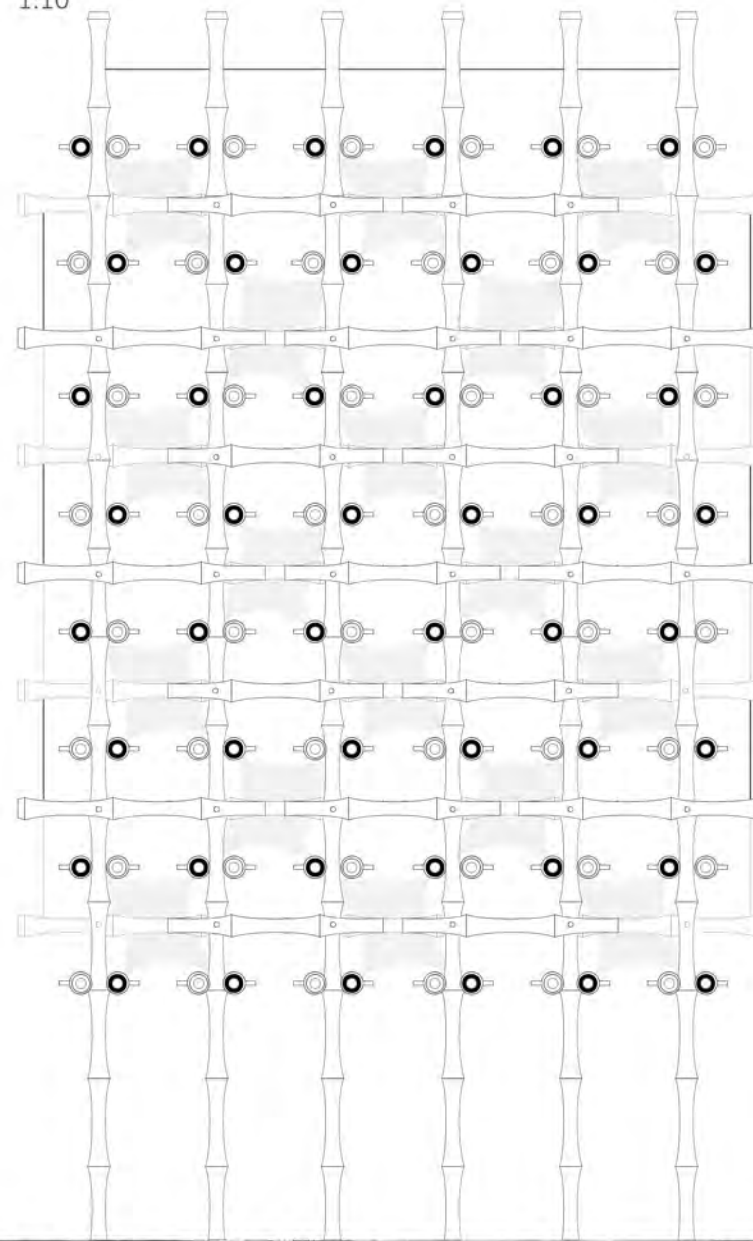
PLAN // ROOF
1:10

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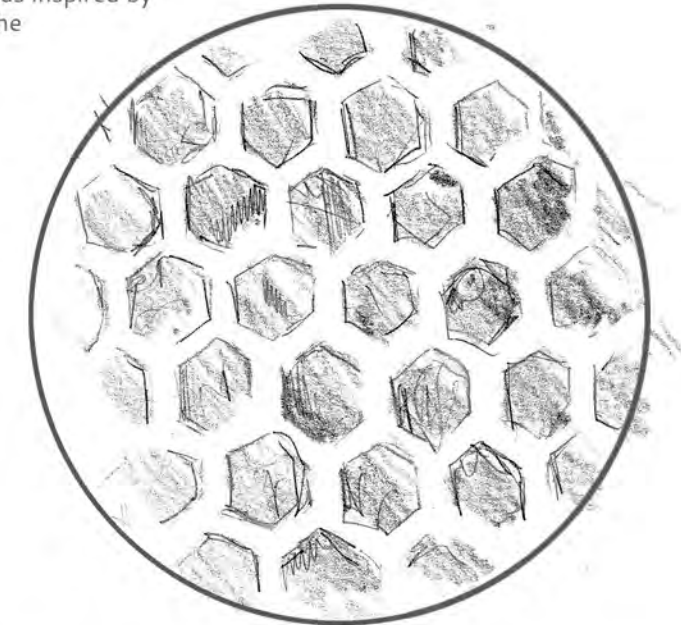
ELEVATION
1:10



SECTION
1:10

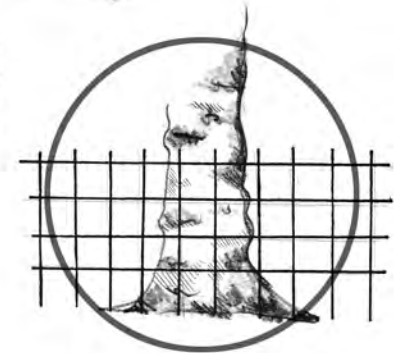


The repetitive structure was inspired by the repeating pattern of the hives built by honeybees.

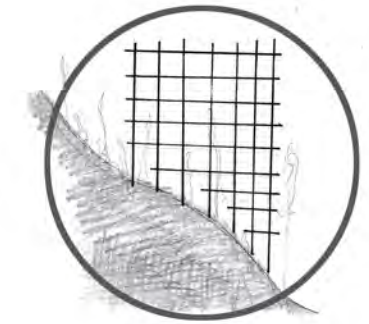


Due to the repetitive structure of the shelter, it is possible to adjust it to virtually any ground condition.

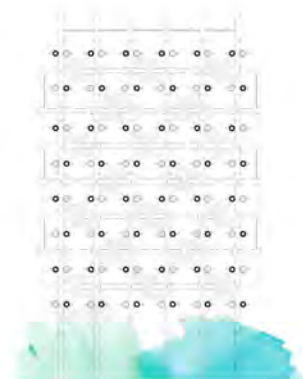
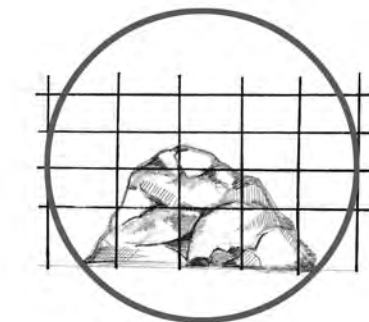
SURROUNDING TREE



ON SLOPE



ENVELOPING ROCK



EVOLUTION OF VEGETATION OVER TIME

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