**OUR ARTWORK STORY**

We believe that humans must co-live with nature in respectful ways.

When learning about the Fly Ranch environment, we found that it has harsh temperatures and winds (between +40°C and -18°C depending if its day, night, or in which season). As we went through the landscape, traveling the trail of the water geysers, spots and channels; we understood that our presence must be respectful and began to think about how we could inhabit the territory being ABOVE THE GROUND, looking and honoring nature.

As we went through your Design Guidelines, we discovered that the intervention areas where limited. However, our approach must be holistic, because we have the responsibility to scout in search for local answers in the territory that recognize and activate the environmental stimuli by creating life, not being hostile to it.

We understood that we must not only be land art generators, but life art generators instead.

This statement is materialized in a system of small vertical architectures arranged in the territory according to the settlement possibilities. As acupunctural nails, we enable a network of stops or "tambos" that, through the reuse of resources to produce food based on zero waste guidelines that minimize the footprint in the soil, fulfills specific functions to activate the general proposal and vision of Fly Ranch while inserting a circular economy model based on the functioning of nature. Doing this, we strive to propose a way of inhabiting that marks new rules of occupation of the territory that commune with the five principles of LAGI (Shelter/Food/Water/Energy/Zero waste).

It’s important to note that, in the old Incan empire, the "tambos" were shelters destined to the rest of the *chasquis*, then emissaries of the government, while on route between stops in the Andean trail system.

In that spirit, our AERIAL TAMBO is developed as a four-level vertical structure built like a wooden exoskeleton, which is activated by means of green technology and mixing High-tech (with the more advanced solutions, like solar energy use) and low-tech (with the more ancestral approach, like in the use of plants and earth). It occupies a surface of 5.00m x 6.00m with a total height of 10.50m.

Starting from the upper level, located 7.00 meters above the ground, we destine a wooden structure of 25cm x 25cm beams and columns with glass panels to serve as a greenhouse capable of producing food throughout the year. This could be used to involve the community in order to satisfy their own needs or to make some economic profit.

In the same floor, next to the greenhouse, a twin, full-wooden building with walls and roof of 5cm prefabricated thermo acoustic panels, that function as a shelter dedicated for the visitors who want to rest or stay so they can experience the desert in a different way, like practicing yoga, playing guitar and singing, just loving the views or paying respects to the nature. In this story, we also have eight mobile solar panels, along the sides, that help us gather between 3000-5000 kw of daily energy to use in a way that the building can be self-sustainable.

In an intermediate level, 4.70 meters high, we have three drywall-built bathrooms fully equipped for visitors that require to satisfy their needs. These are independent cubicles that have a shower, a WC and a sink. We don’t want to leave waste streams in the site and make the community feel angry. We want to embrace our shit and use it for the greater good.

Because of the latter, and continuing with the tour down the wooden stairs, we also will have a more functional floor, at 3.20 meters above the ground. This level concentrates a system of sedimentation tanks that receives the discharge from the baths by gravity and start processing the black and gray waters. These spaces will need to be maintained and cleaned once a year and you could enter them by the runway that merges with the stair stop and helps to connect the stairs. This technical story works as the heart that cleans and recirculates water so we manage to have our own water cycle.

Finally, at ground base level, we have a rammed earthed pool of vetiver plants. These plants, widely used in soil readjustment projects around the world, have the peculiarity of absorbing up to 90% of the toxins found in sewage through their roots, which are part of a filtration system composed of layers of gravel, with different diameters, settled on the pool floor. Doing this, we obtain clean water ready to be reused, culminating the sewage treatment process. It is through this processing system that our “tambo” obtains clean water to irrigate the greenhouse crops. A small pump, powered by the energy produced by the solar panels, will take this water to the upper levels.

As architects, our strategy is to fully develop the detailed documents once we are certain of the final model. This is because, for on-site prototyping, we want to involve the community to help us build our project and want to use local materials to reduce ecological footprint while boosting the economy of surrounding businesses. We believe that this is a chance to develop a deeper sense of belonging for the people invested in the process and improve quality of life.

With this holistic proposal, we have a building that allows us to RETHINK THE BASICS of how we inhabit the territory. An opportunity to level up the way we shelter, the way we eat, the way we shit, and the way we live; by not just consuming resources or modifying the landscape but creating a cycle that gives back to earth and generates life.

**ENVIROMENTAL IMPACT SUMMARY**

By proposing a network of vertical architectures arranged in the territory, our proposal avoids concentrating a large number of square meters in a single place of the primary site boundary on the Fly Ranch site. On the contrary, we are distributing functional areas according to the diverse needs of the different users of Fly Ranch and the community.

In the same way, this kind of solution (supported on wooden columns), allows to make the ground level free from built area and lets us introduce new uses that improves the design proposal and nurtures our relationship with the landscape. Also, this verticality allows a better and more economic use of local environmental stimuli.

These is achieved by not affecting the site soil as we produce our own vegetables and fruits in the greenhouse, at 7.00m above the ground, and using clean and recycled water that is treated in the same aerial tambo.

Our architectural approach is a new type of spatial hybrid that functions as a self-sustained system that reuses local resources and generates a new clean cycle for the environment. We benefit of the use of solar energy and other free resource, as gravity, to activate a circular economy that seeks to positively impact the territory.