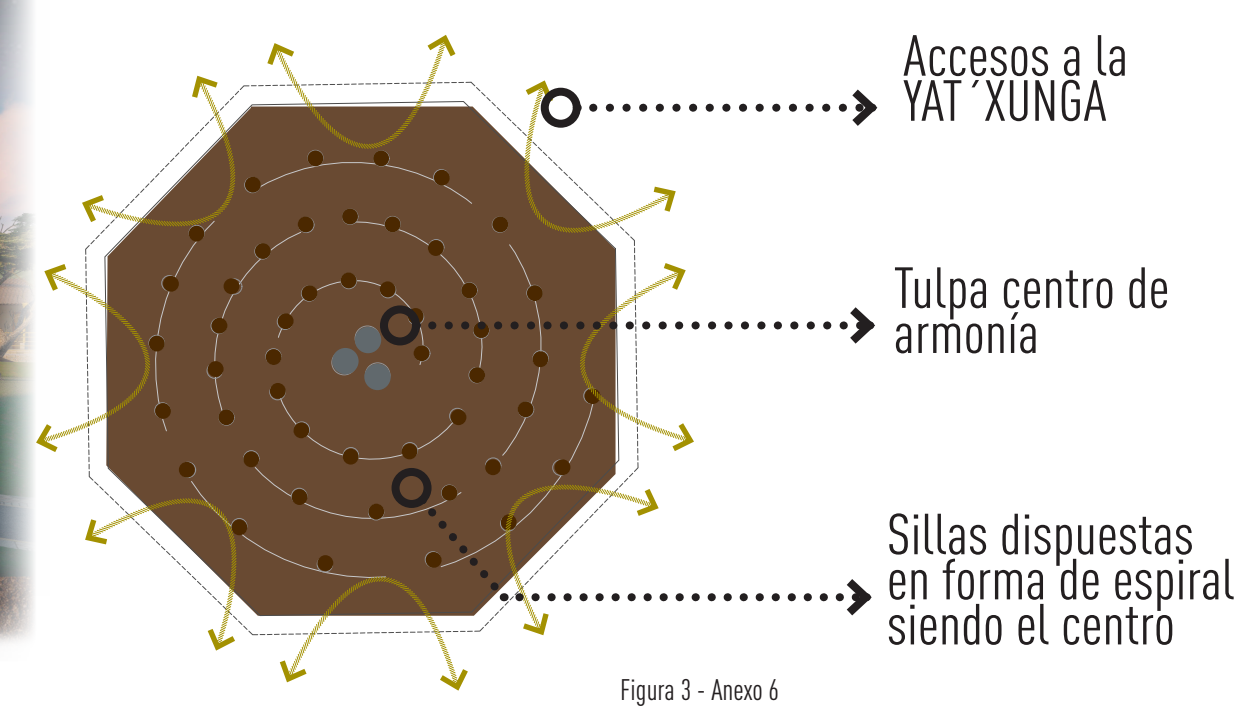
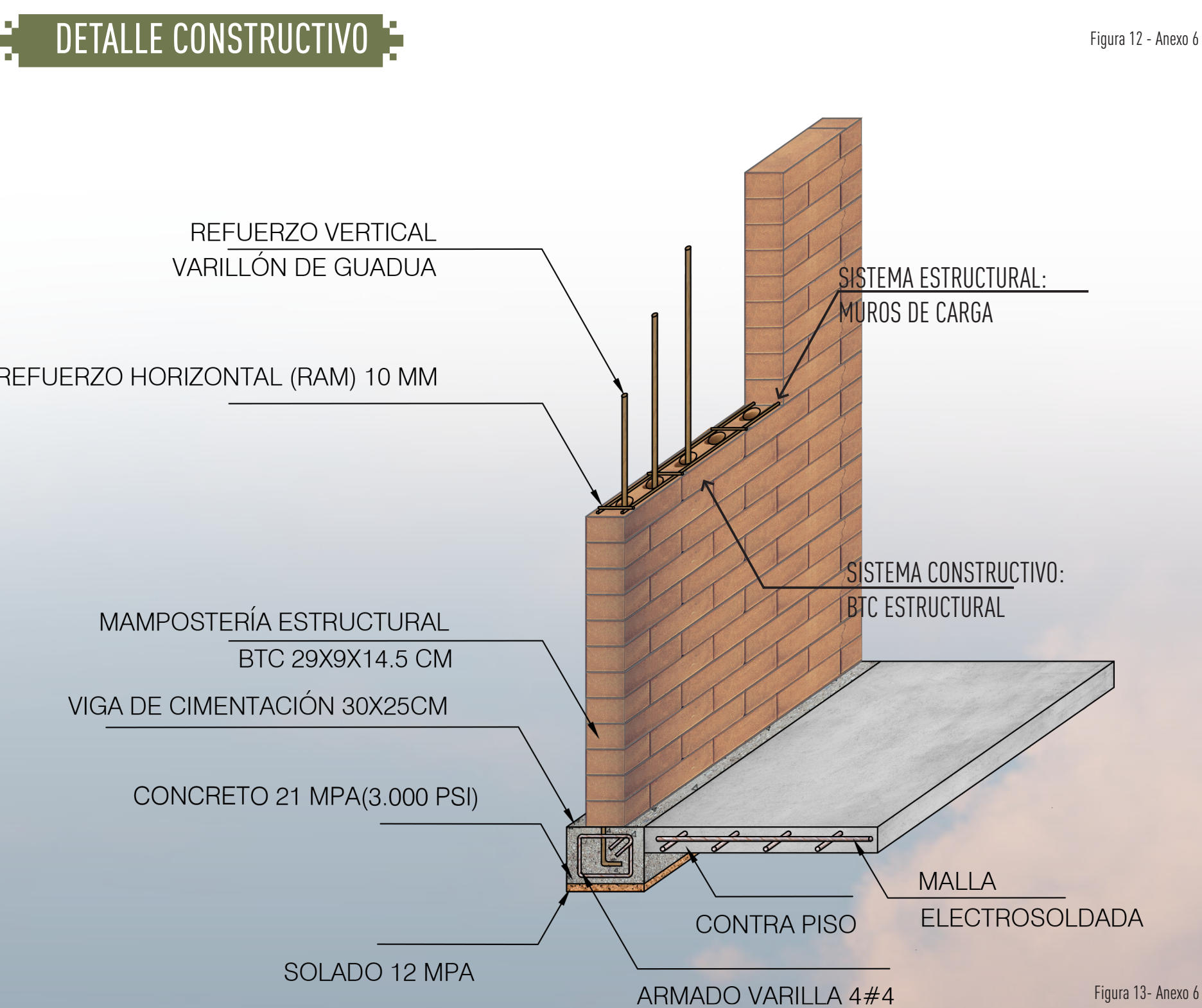
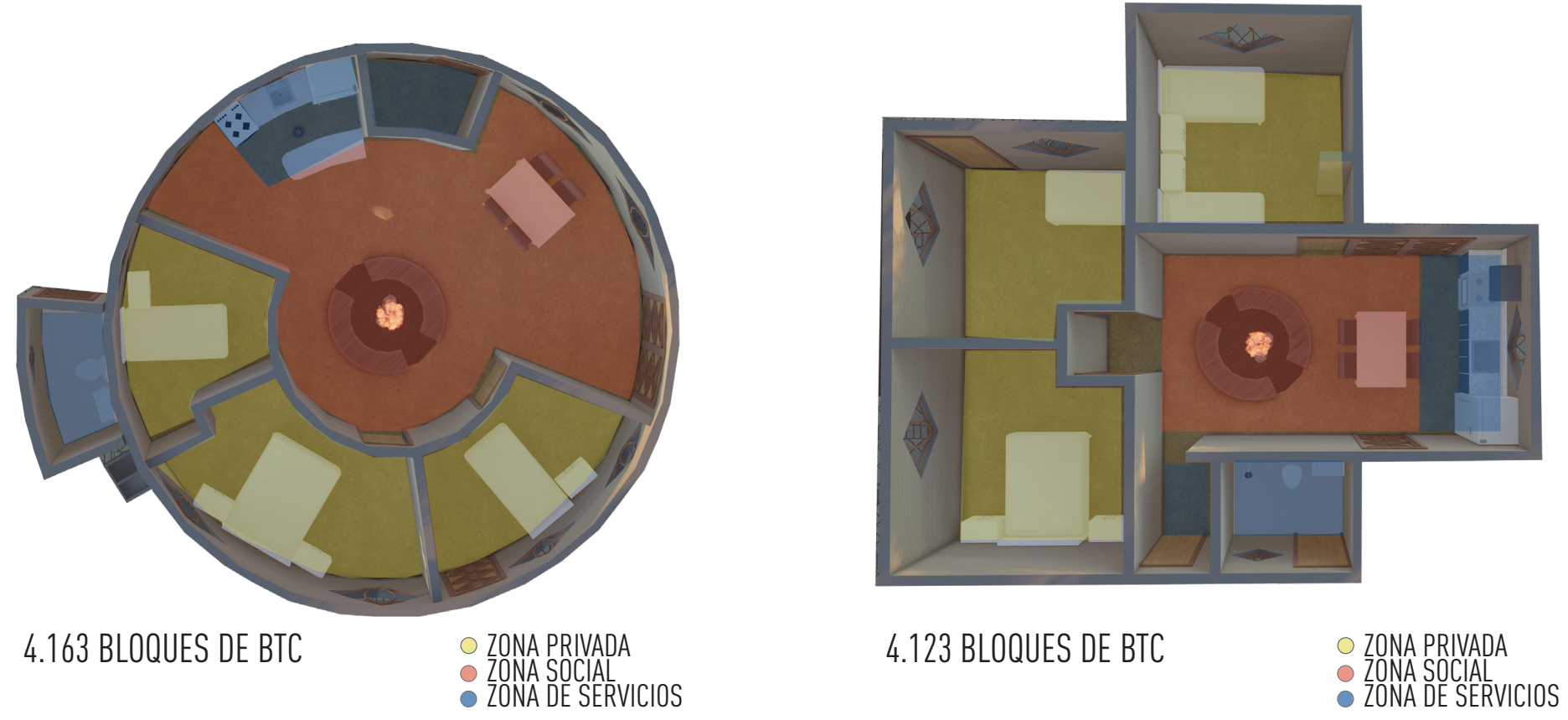
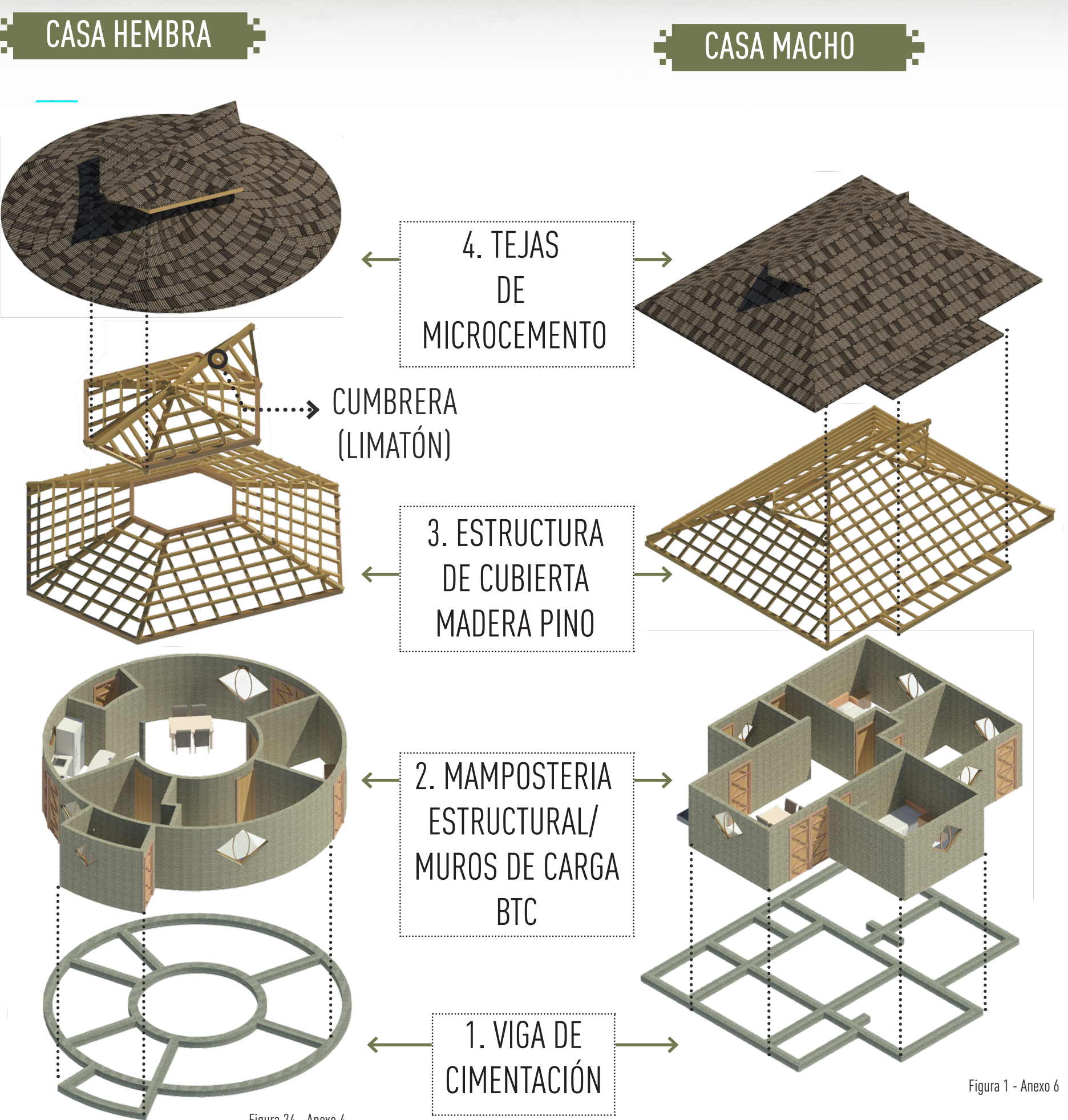
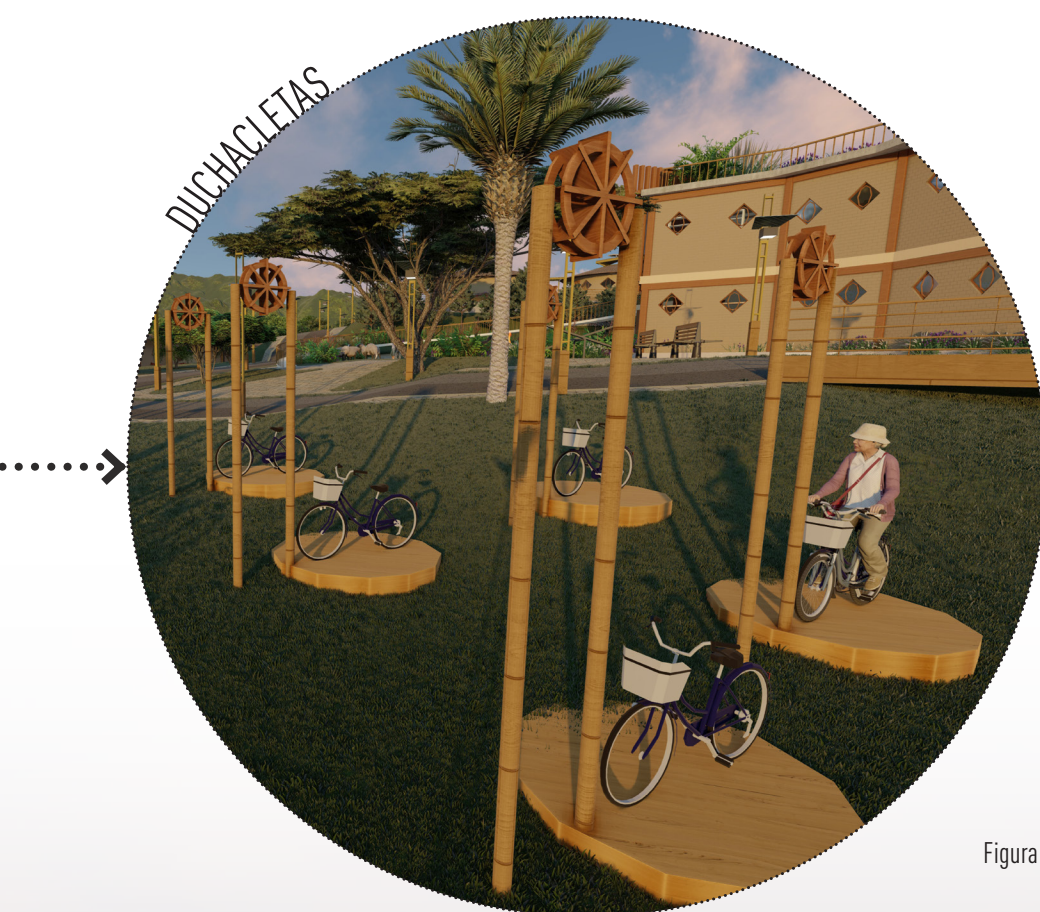


ASPECTOS AMBIENTALES

NATURE MUST NOT PAY THE CONSEQUENCES OF YOUR PROGRESS!



PARQUE RECREACIONAL



SISTEMA DE RECOLECCIÓN DE AGUAS LLUVIAS "DUCHACLETA"



JARDÍN INFANTIL

ZONIFICACIÓN PRIMER PISO

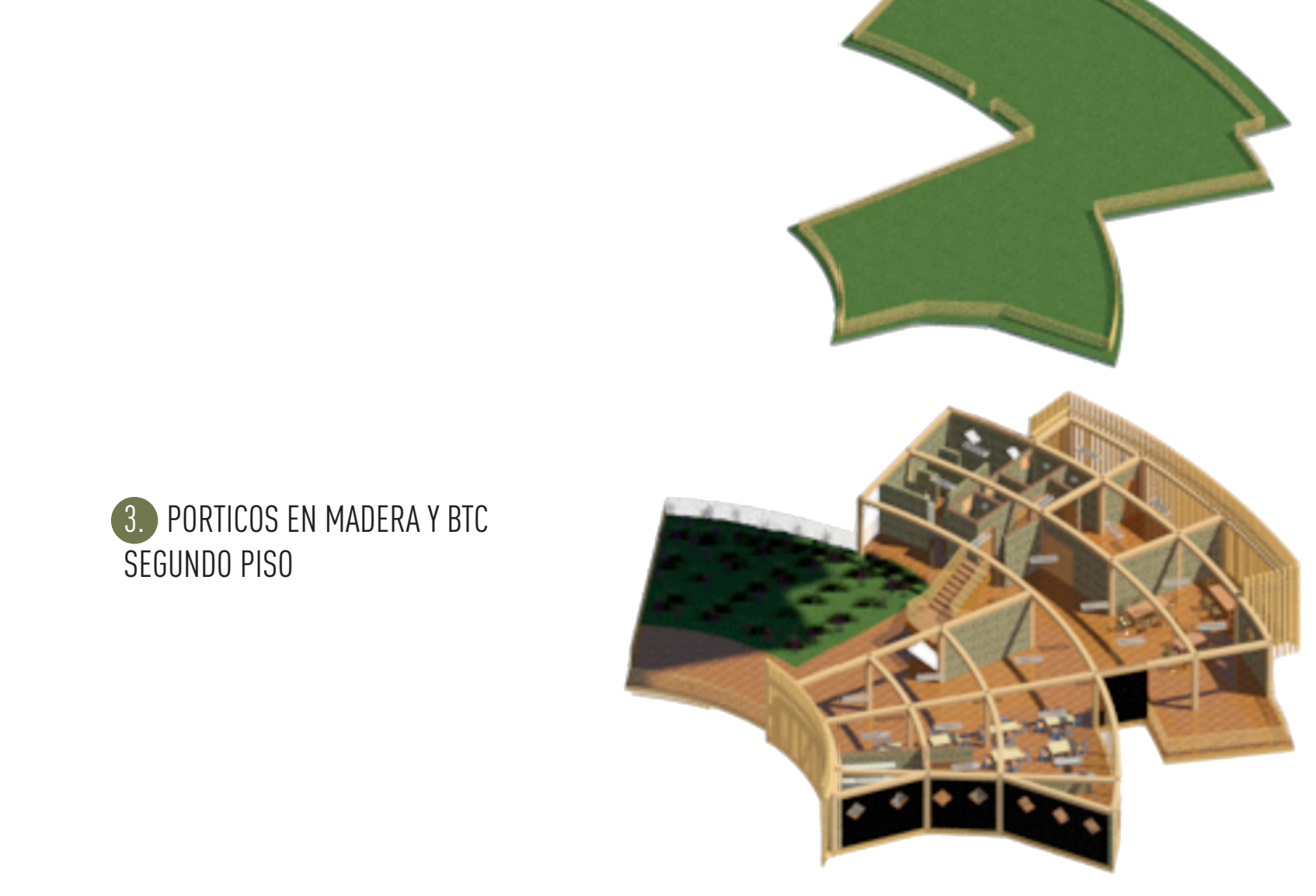


ZONIFICACIÓN SEGUNDO PISO

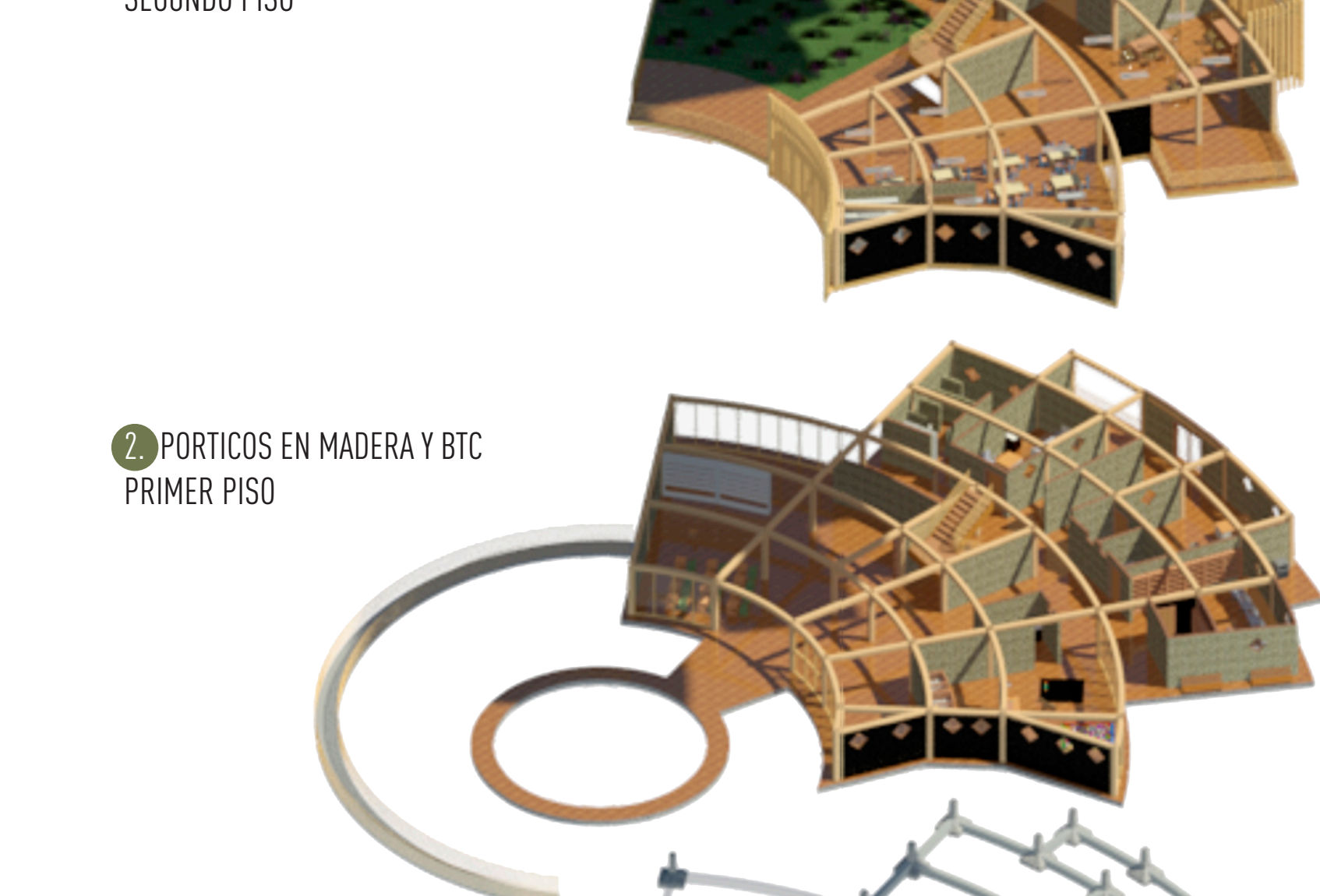


SISTEMA CONSTRUCTIVO

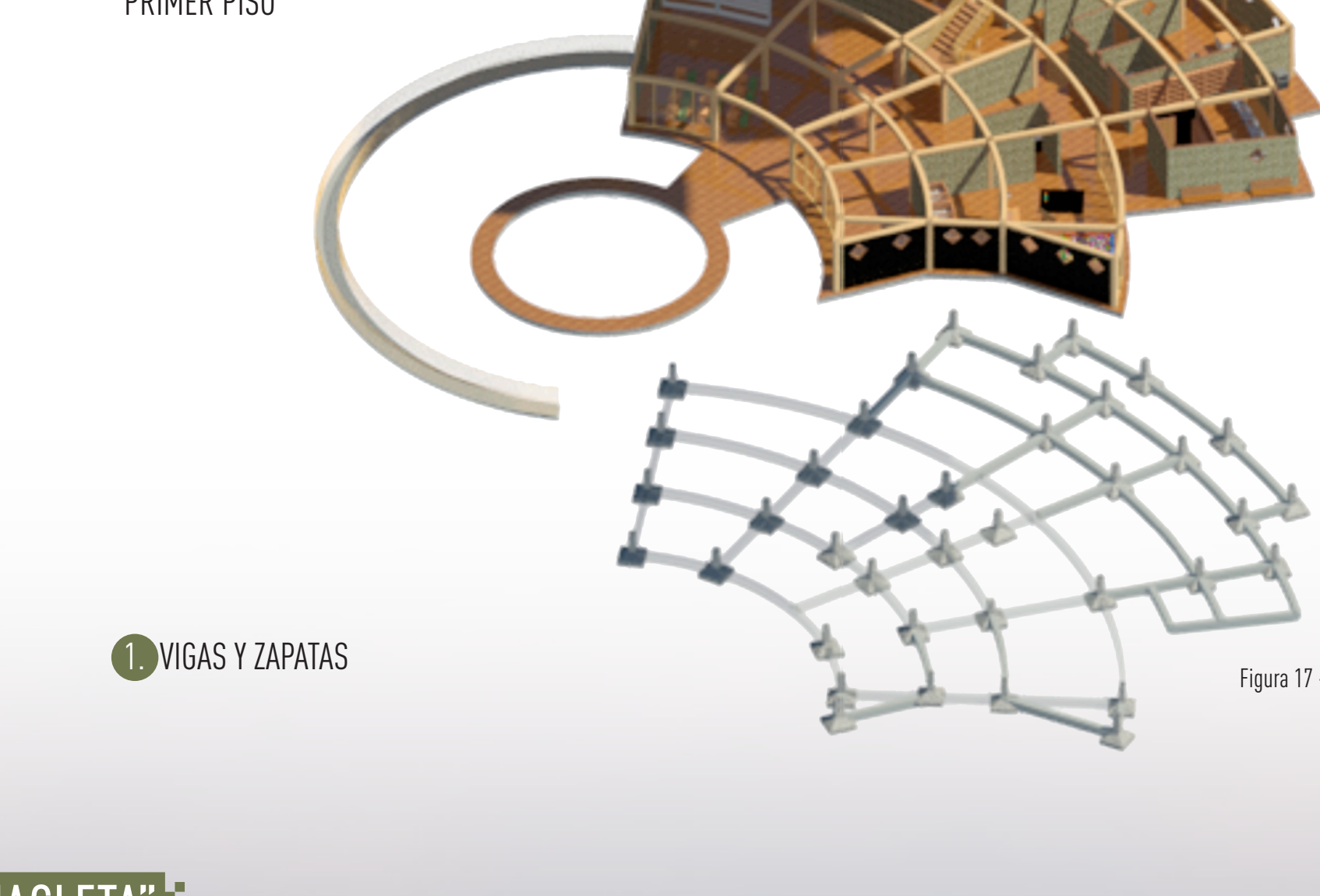
1. CUBIERTA VERDE TRANSITABLE



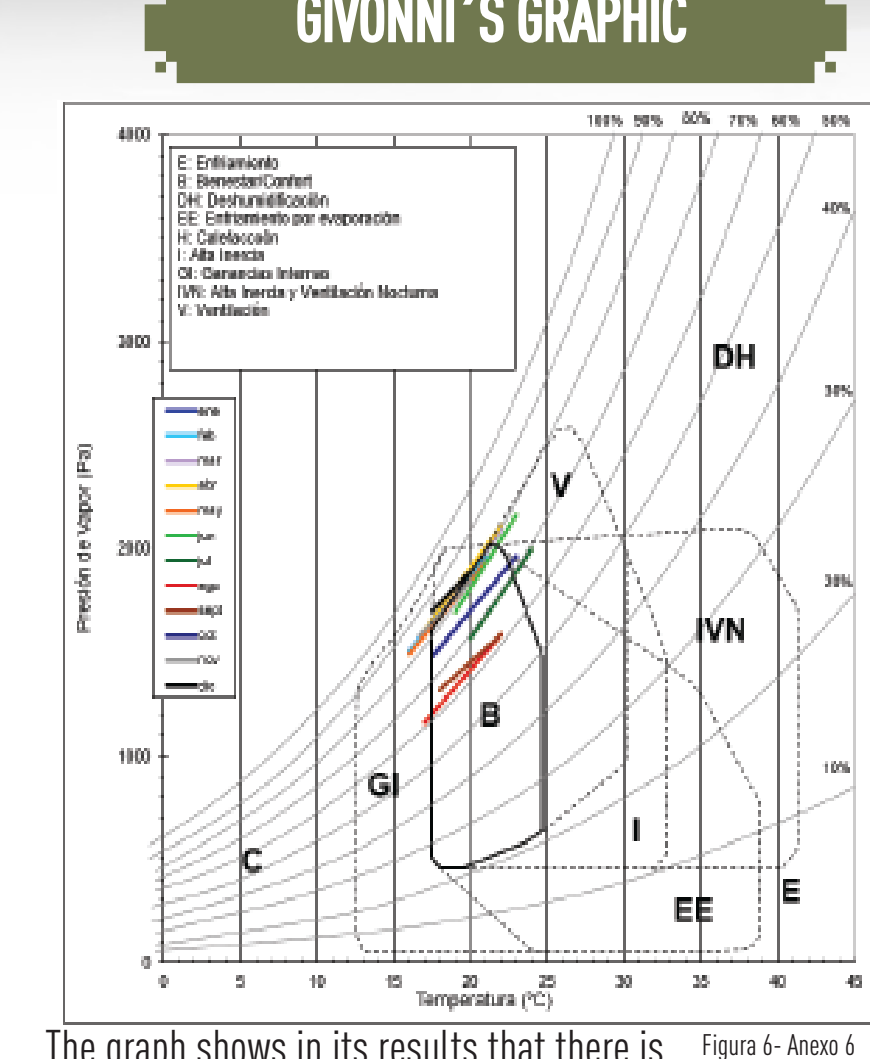
2. PORTICOS EN MADERA Y BTC SEGUNDO PISO



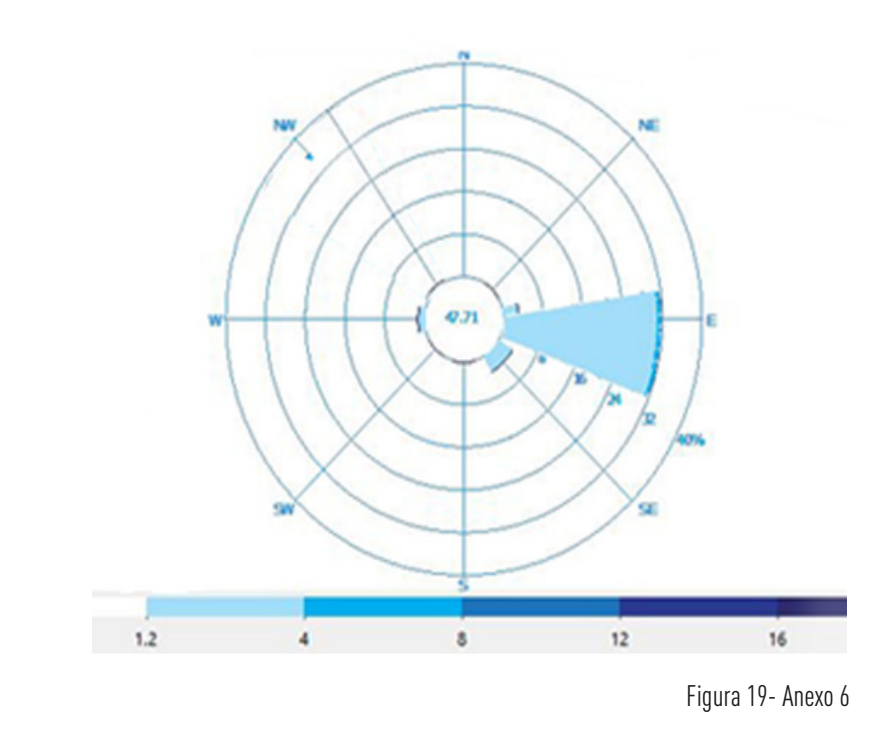
3. PORTICOS EN MADERA Y BTC PRIMER PISO



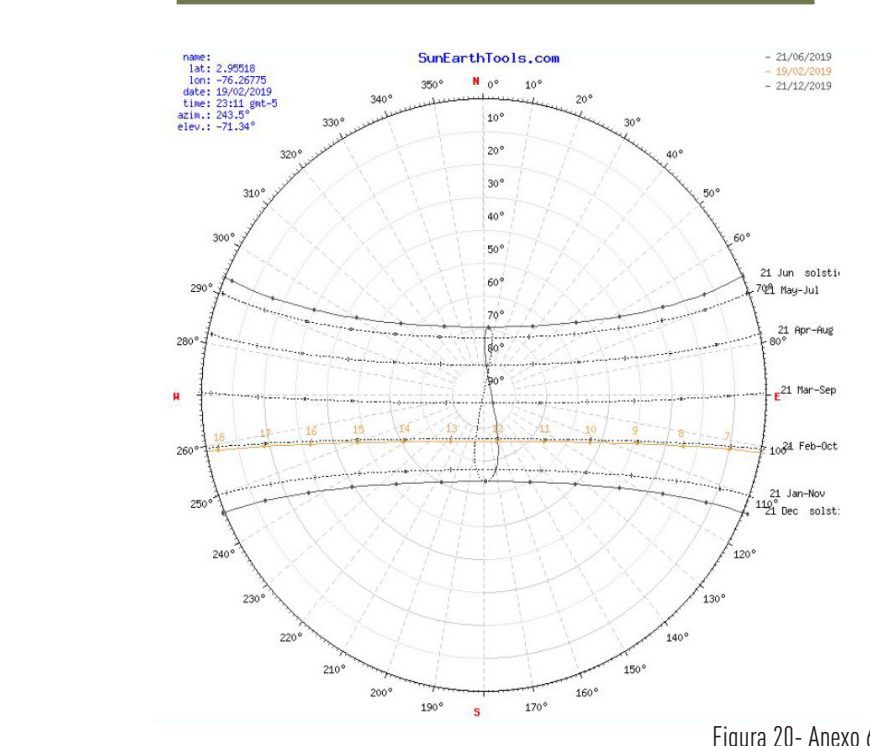
4. VIGAS Y ZAPATAS



COMPASS ROSE



SUN PATH



The predominant direction of the wind is from east to west, this indicates that the speed of the winds coming from the Nevado del Huila produce the cooling of the spaces. Therefore, it was determined that the location of the houses should generate protection against the wind while allowing their circulation.

With regard to the organization of the housing cells, an order was determined in which the vast majority obtained wind shadow for their protection and reduction of the cold, however allowing the circulation of this.

SOLSTICIO DE VERANO

JUNIO 21

Horas 9:00 am

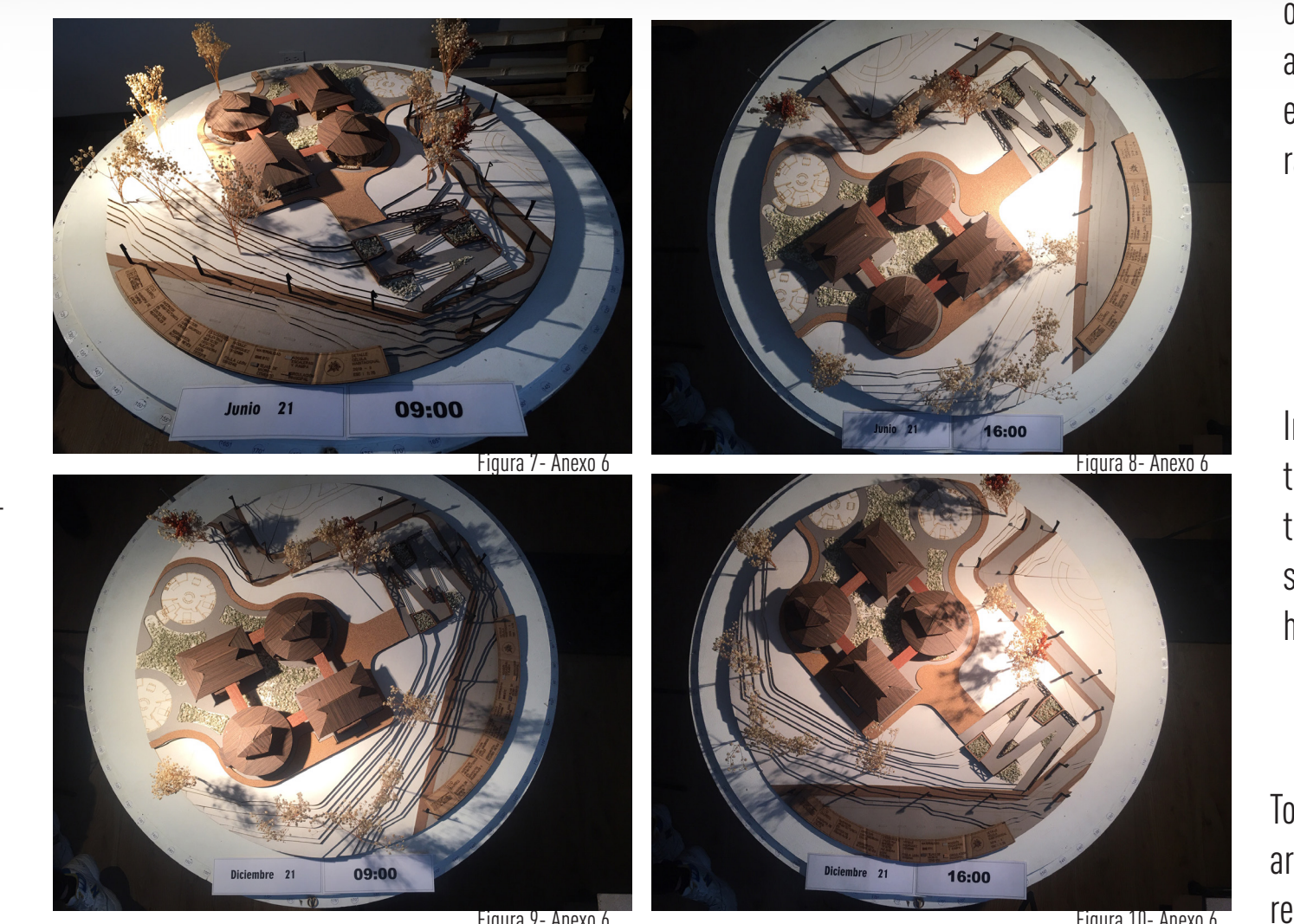
16:00 pm

SOLSTICIO DE INVIERNO

JUNIO 21

Horas 9:00 am

16:00 pm



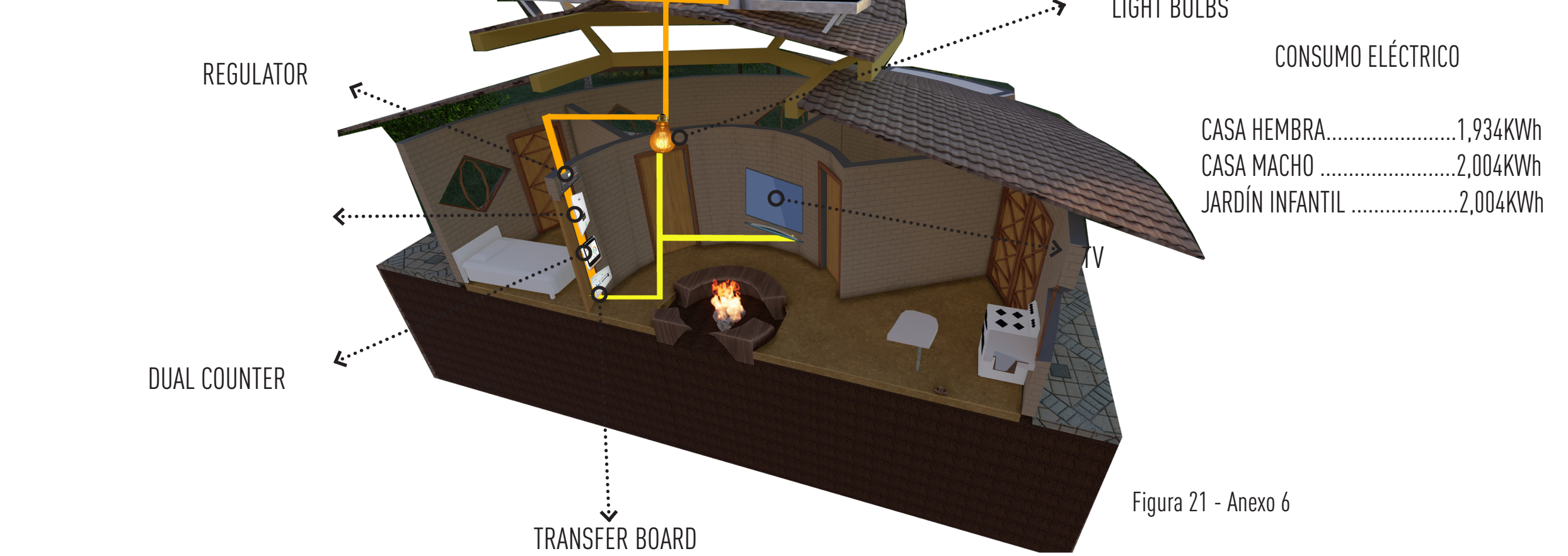
The houses show that according to their orientation their interior distribution was also determined taking into account the eastern facade for the rooms by the solar radiation they receive in the afternoon

In the same way an order is determined so that the houses receive light throughout the year and in the appropriate facades solar radiation and shade in strategic hours of the day.

Toribio is located in a potentially forestable area, which is why one of the strategies to reduce the speed and impact of wind in Nasa homes is to plant native vegetation and shady trees as a barrier.

SUSTAINABILITY SYSTEMS

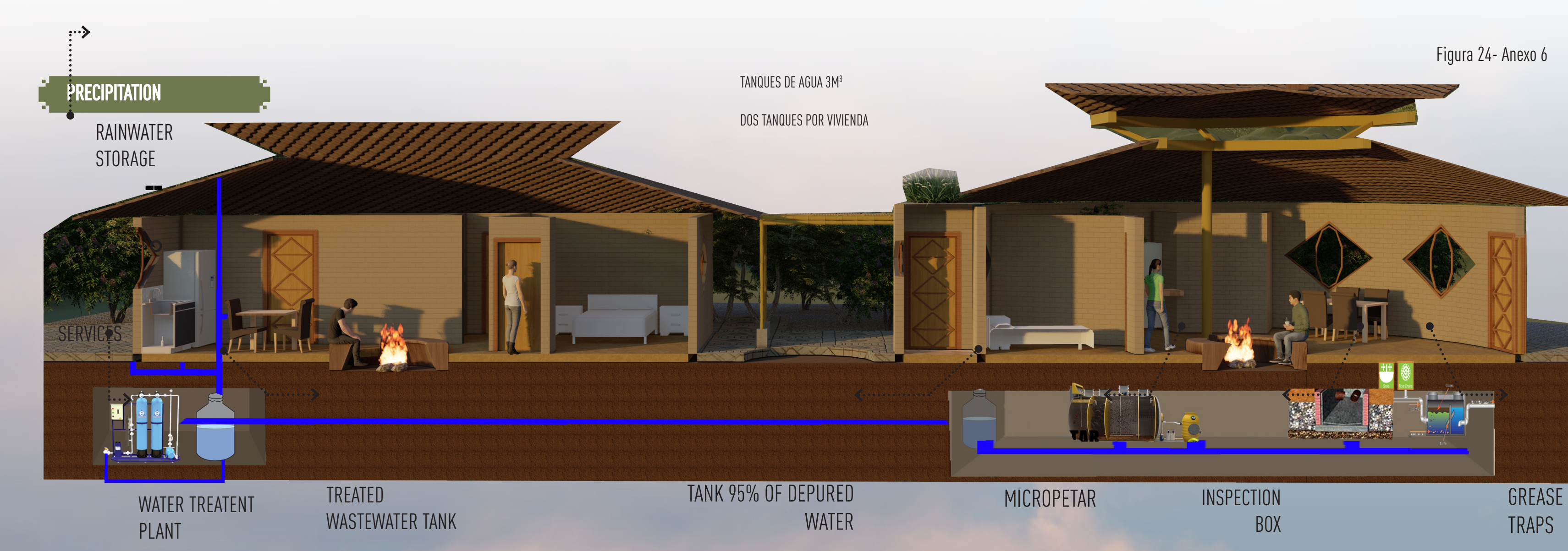
Allows the use of solar panels
SOLAR LIGHT: Between 3 and 5 hours a day



Para el espacio público se utilizan luminarias LED con energía solar



En la cubierta verde del jardín se implementan paneles solares para suplir la energía que demanda este mismo



LOMA LINDA

