## 2022 FIRST PRIZE

# Langston Dailey

**UNIVERSITY OF TENNESSEE** 

FACULTY ADVISOR - TED SHELTON





an hour, once you light a match it is

-Paramahansa Yoganada

illuminated"



1. Entry Threshold 2. Visitor Center 3. Field House 4. Laboratory 5. Library 6. Archive 7. Tunnel Exit 8. Parking

## SPATIAL ASSEMBLY

#### Path

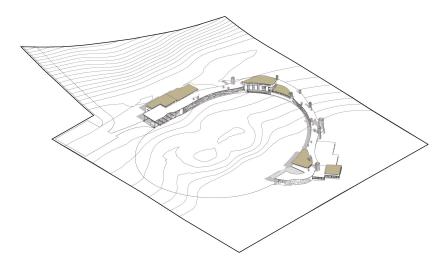
Key to the success of the site is the progression of spaces, each of which being threaded into a central circulatory thread or *Time Warp*.

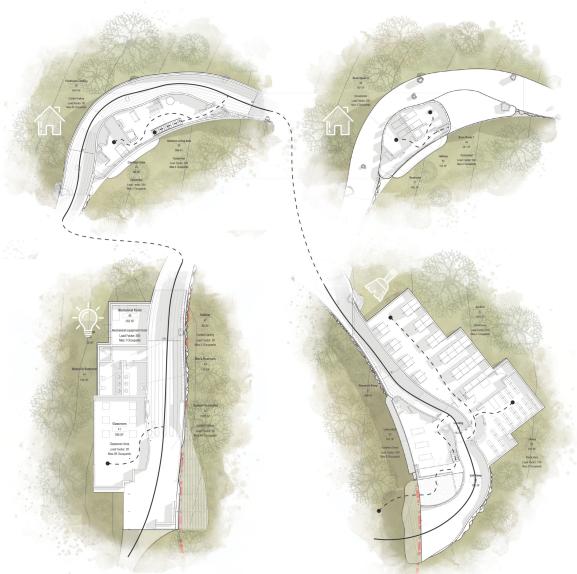
Along this journey, visitors are granted access to increasingly sensitive areas, eventually terminating at Freisenhahn Cave itself.

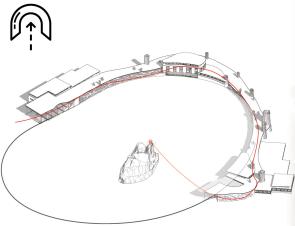
#### **CLIMATIC RESPONSE**

The basic site massing was further extrapolated by taking into account sun, wind, and light, which led to a highly vernacular treatment of roofing elements.

These sprawling roofs combined with other techniques such as stack ventilation and geothermal cooling allow for the site to boast a small carbon footprint for its size.







#### **TIME SHIFT**

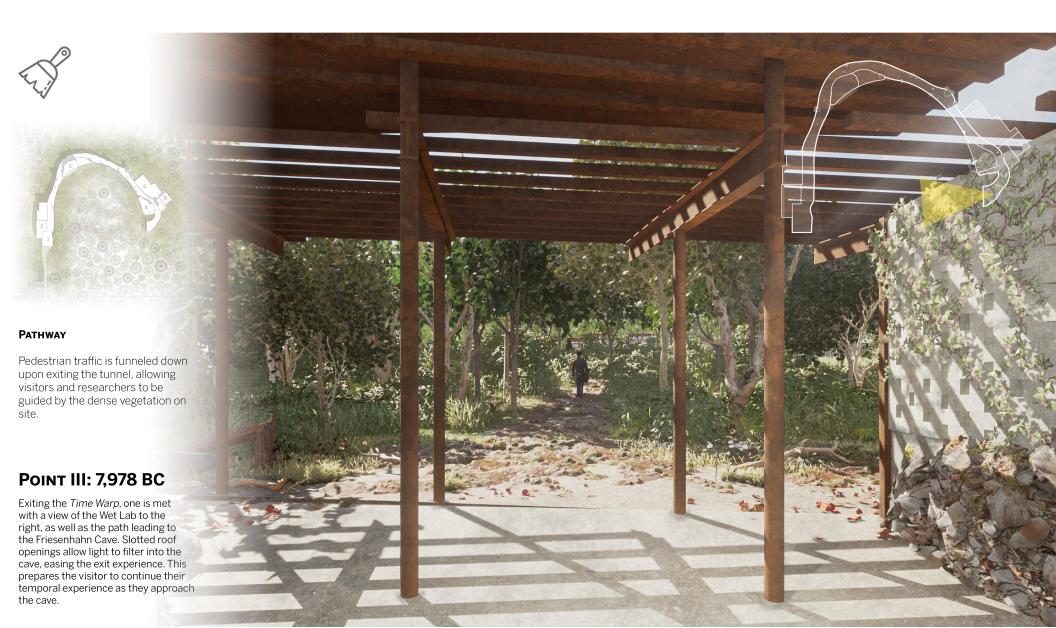
Tunnel works with topography to equip the effects of deeptime, transporting one from the present to thousands of years in the past.

Familiar vernaculars begin to fade away the further the visitor travels from the entry, eventually expelling them from the ground in an environment visually separated from the built environment altogether.



Occupants first enter a transitional space which serves the classroom / visitor center, then are eased towards the time shift zone which presents itself as a geometric portal to the past





## INTERSTITIAL ZONES









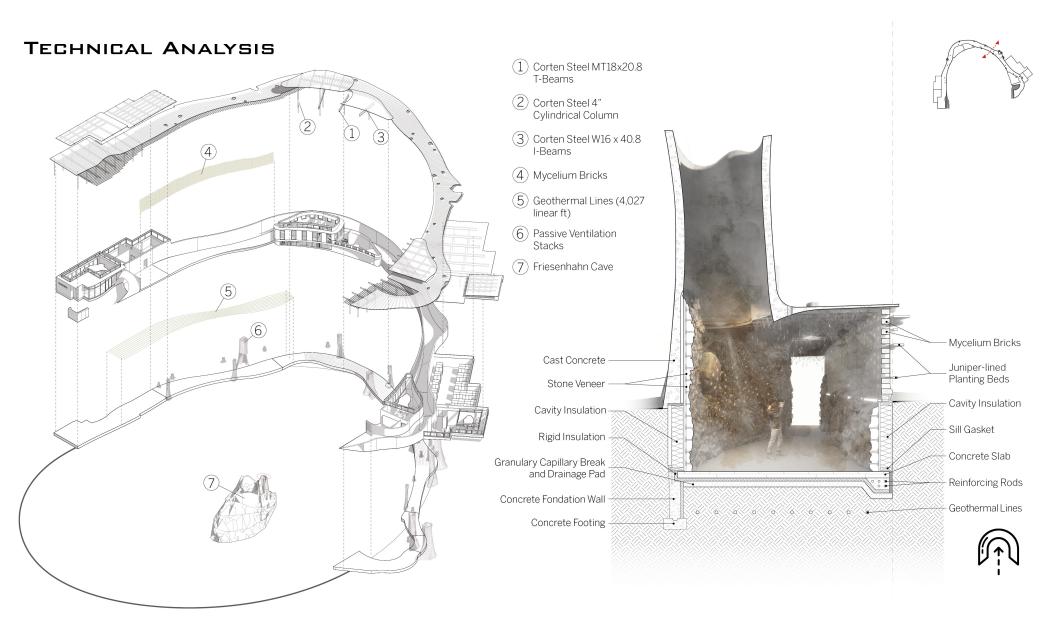
Provides a brief exploration of the SPZ for the public while still obscuring view and access to Friesenhein Cave. Light is filtered to provide a pleasant experience under the San Antonio sun.



Visiting researchers are granted an non-obscured view of the SPZ, while not being able to directly access it from their quarters. This southward facade is designed to maximize daylighting.



Serving as both the exit of the *Time Warp* and the mediating zone between the cave and laboratory, this space accommodates all users by proving shade and working space.



## RESEARCH CENTER

