

2022 MERIT

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RENSSELAER POLYTECHNIC INSTITUTE

FACULTY ADVISOR - RHETT RUSSO

LYCEUM

A traveling fellowship in Architecture



Archive name: *Here to Here Before*

Matrial: *Karst , steel and wood*

Location: Friesenhahn Cave Site

Application ID: LF-9894



Here to Here Before is a research center designed as a bridge between Karst topography and architecture. Located in an ancient landscape, the Friesenhahn Cave is a sinkhole formed in the region's karst topography. The old history of the karst sinkhole in deep time needs to be told.

To connect history and today, the programs are designed as switching from architecture to karst caves. In this process, the buildings combine the 20,000 years old Frisenhahn Cave with the current period, bringing the memories to people. With the decreased elevation height of the landscape, visitors will have a sense that they are walking into the cave through the programs. The project's destination is the entrance of Friesenhahn Cave, leading people to experience the karst features.





HERE TO HERE BEFORE
PLEISTOCENE RESEARCH CENTER

CONCEPT

Karst Geology



Karren



Karst Window



Doline



Amibe



Stalactites

Inchoation

Formation

Karst Erosion (clay slices)



One Day



One Year



A Hundred Years



A Thousand Years



Twenty Thousand Years

Young

Old

Karst Erosion touches Architecture (clay models)



Threshold



Portion



Half



Conceal



Completely Karst Stones

Architecture

Karst

Karst & Architecture Programs



95% Architecture
5% Karst
1



58% Architecture
42% Karst
2



40% Architecture
60% Karst
3



12% Architecture
88% Karst
4



1% Architecture
99% Karst
5



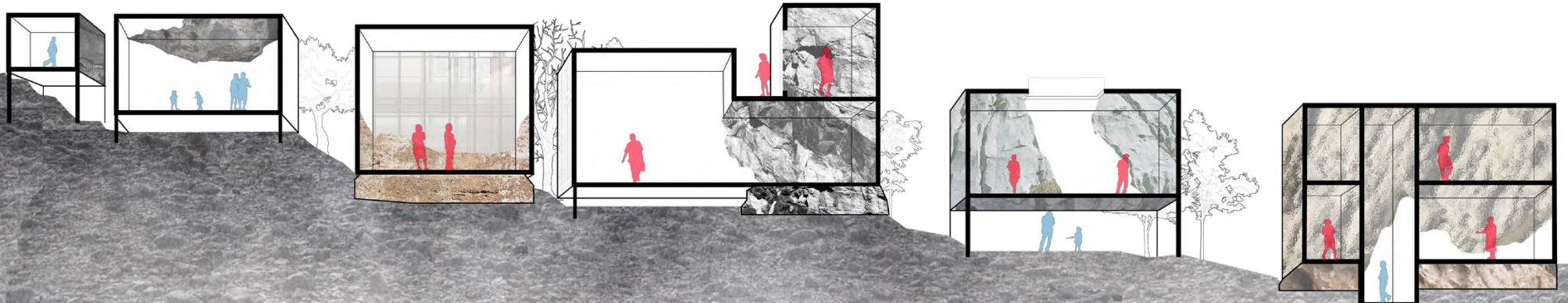
1 Visitor Check & Classroom

2 Lab

3 Library

4 Fieldhouse

5 Archive



SITE ANALYSIS



20000 years ago The Karst landscape was formed by the erosion of water.



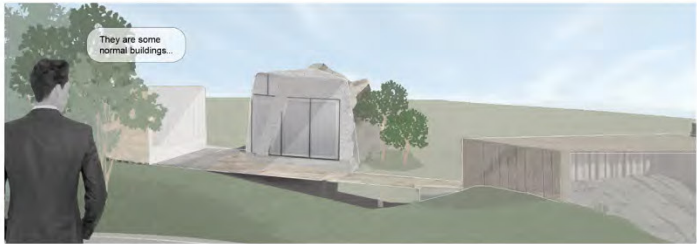
1985 Forest covered the Karst Features



2021 Residential area invaded the forest.



Site Location
29°40'53.4"N 98°28'25.8"W



Observation Point A



Observation Point B



Karren (or 'lapiés') is a natural karst landform consisting of a flat, incised surface of exposed limestone that resembles an artificial pavement.



Karst Window is a feature where the spring emerges, then the discharge abruptly disappears into a sinkhole.



Doline is a natural enclosed depression found in karst landscapes. It can be cylindrical, conical, bowl- or dish-shaped.



Ambie is a deep vertical shaft in karst.



Stalactite is an icicle-shaped formation that hangs from the ceiling of a cave and is produced by precipitation of minerals from water dripping through the cave ceiling.



Seminar



Experience



Research



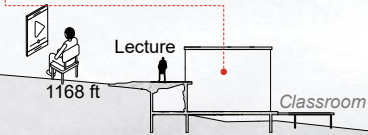
Life



Document

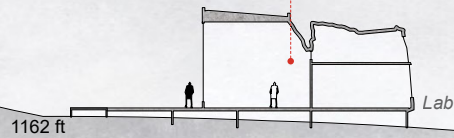


Visit



1168 ft

Classroom



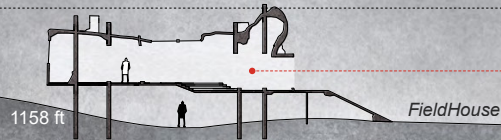
1162 ft

Lab



1160 ft

Library



1158 ft

FieldHouse



Story of Visitor

I am one of the members who visit the Friesenhahn Cave. After leaving the parking lot, the height of the sitewalk goes lower and lower until I enter the underground archive gallery, which makes me feel like I walk inside the cave. The exit of the archive faces the real entrance of the cave. Like Dante's Inferno said, "Till on our view the beautiful lights of heaven Dawn'd through a circular opening in the cave: Thus issuing we again beheld the stars."



Story of Researcher

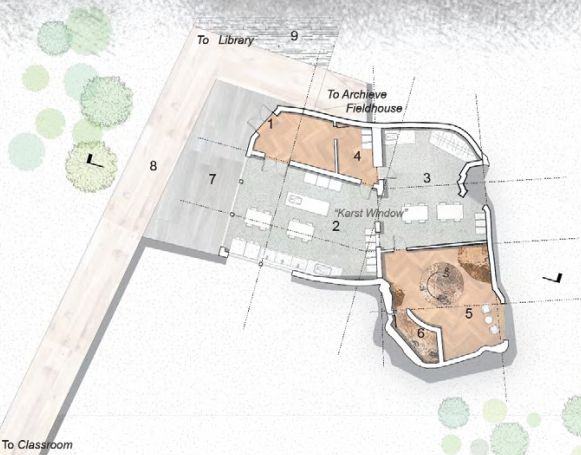
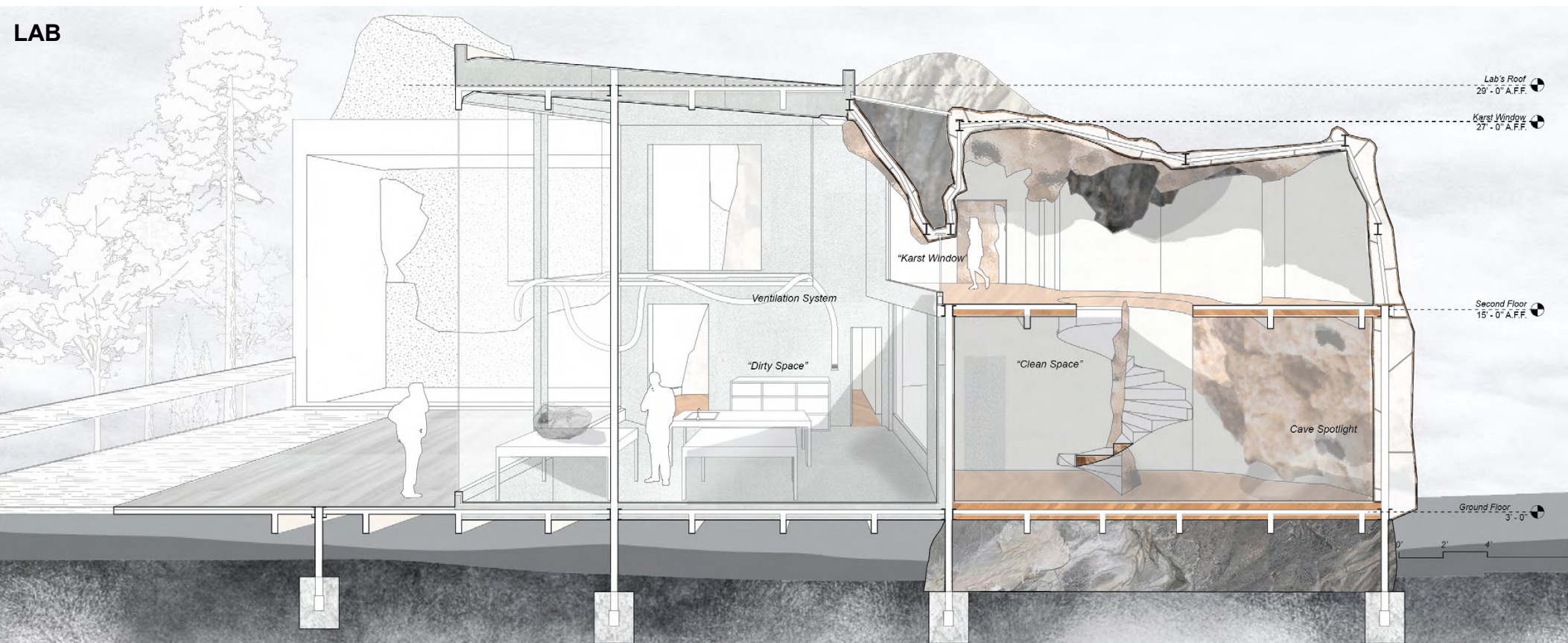
I am one of the members who live in the Pleistocene Research Center researching the Scimitar Tooth Cats. All the research center programs are designed as a combination of karst topography and architecture. The karst features filled my living environment, which made my life and my research project has a strong relationship. Did the Scimitar Tooth Cats live in a similar environment 20000 years ago? Did they also amazed by the beautiful karst features?

1156 ft



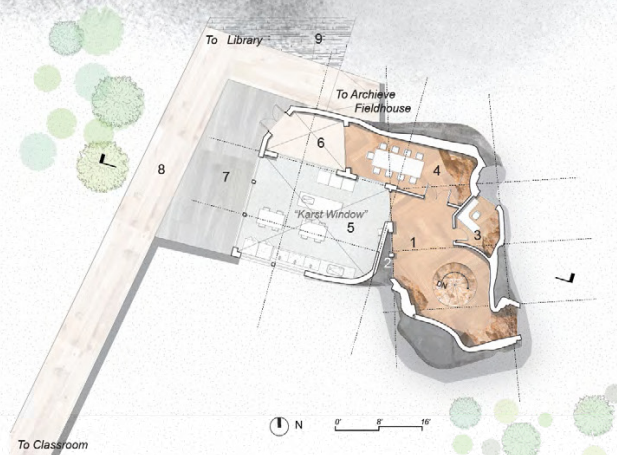
Archive

LAB



SPZ

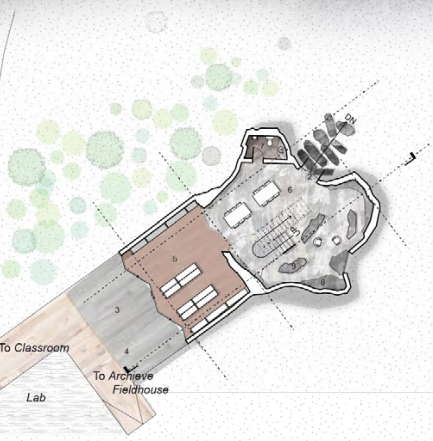
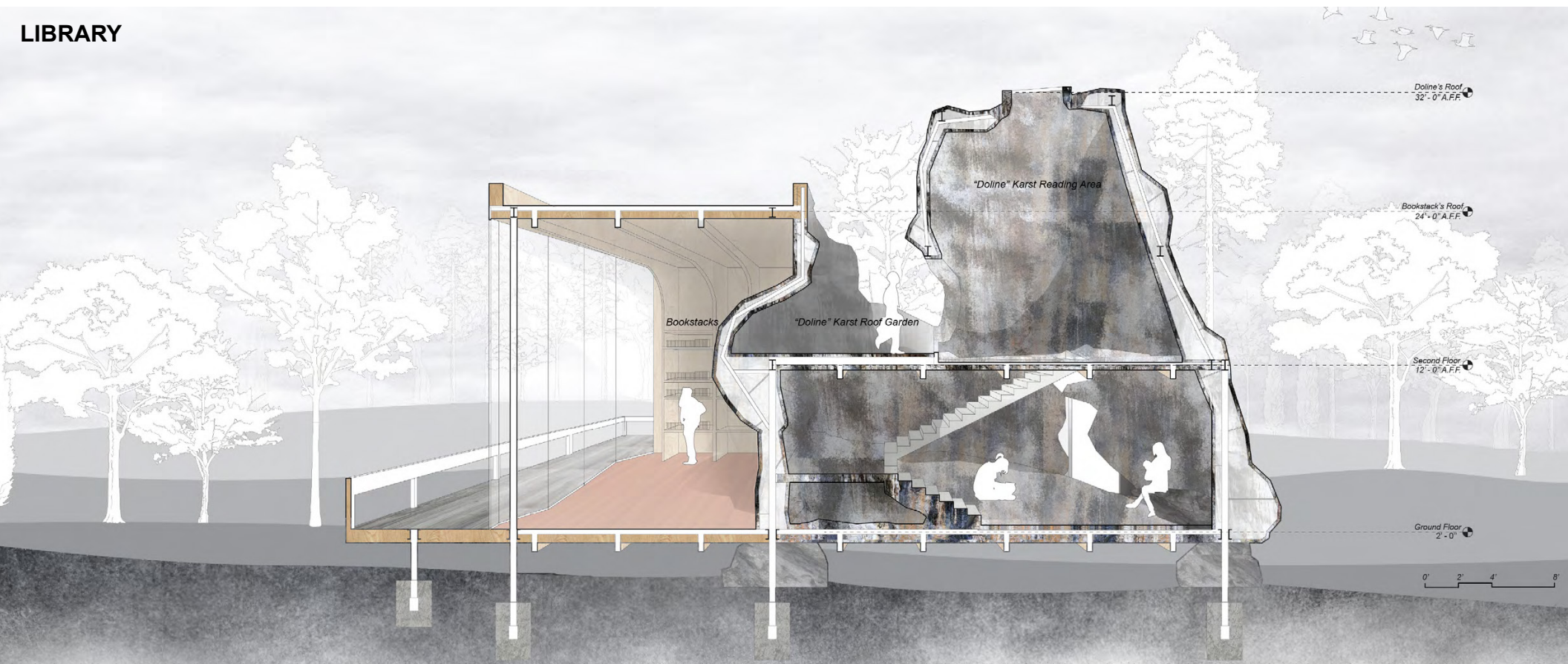
- 1 Entrance
- 2 "Dirty Space" of Karts Window Lab
- 3 "Grey Space" of Karts Window Lab
- 4 "Clean Space"
- 5 Lounge
- 6 Uni-sex Restroom
- 7 Deck
- 8 Sitewalk
- 9 Deck of Library



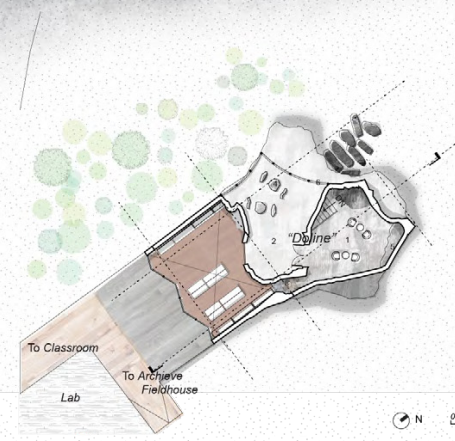
SPZ

- 1 Gallery
- 2 "Karst Window"
- 3 Office
- 4 Meeting room
- 5 Open to Below
- 6 Open to Below
- 7 Deck
- 8 Sitewalk
- 9 Deck of Library

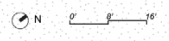
LIBRARY



- 1 Entrance
- 2 Entrance
- 3 Deck
- 4 Sitewalk
- 5 Bookstacks
- 6 Reading Area
- 7 Uni-sex Restroom
- 8 Karst Seats
- 9 Karst Bookshelf



- 1 "Doline" Reading area
- 2 "Doline" Roof Garden
- 3 Karst Limestone Window
- 4 Karst Seating Area
- 5 Karst Seats
- 6 Handrail



ARCHIVE

