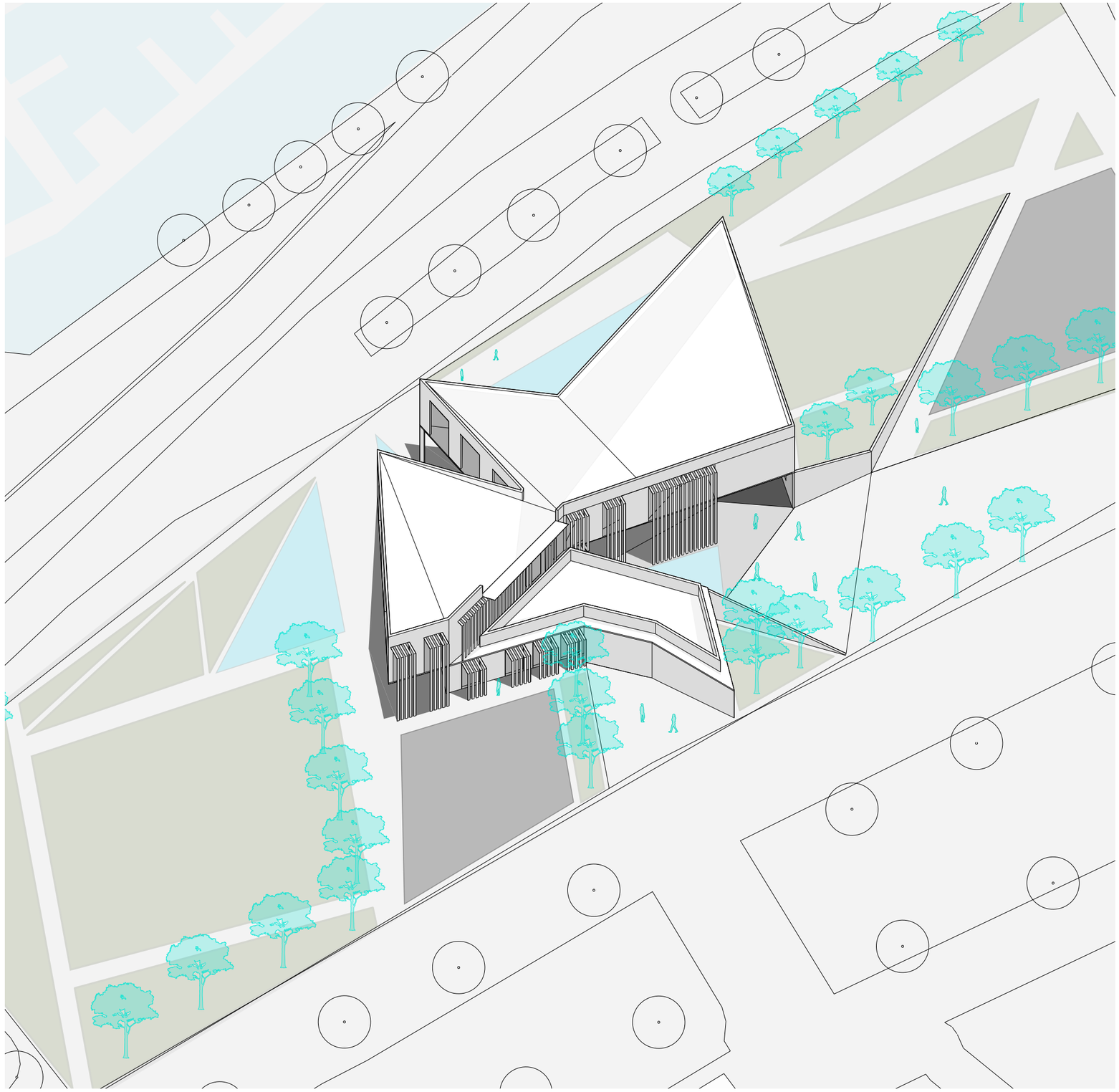
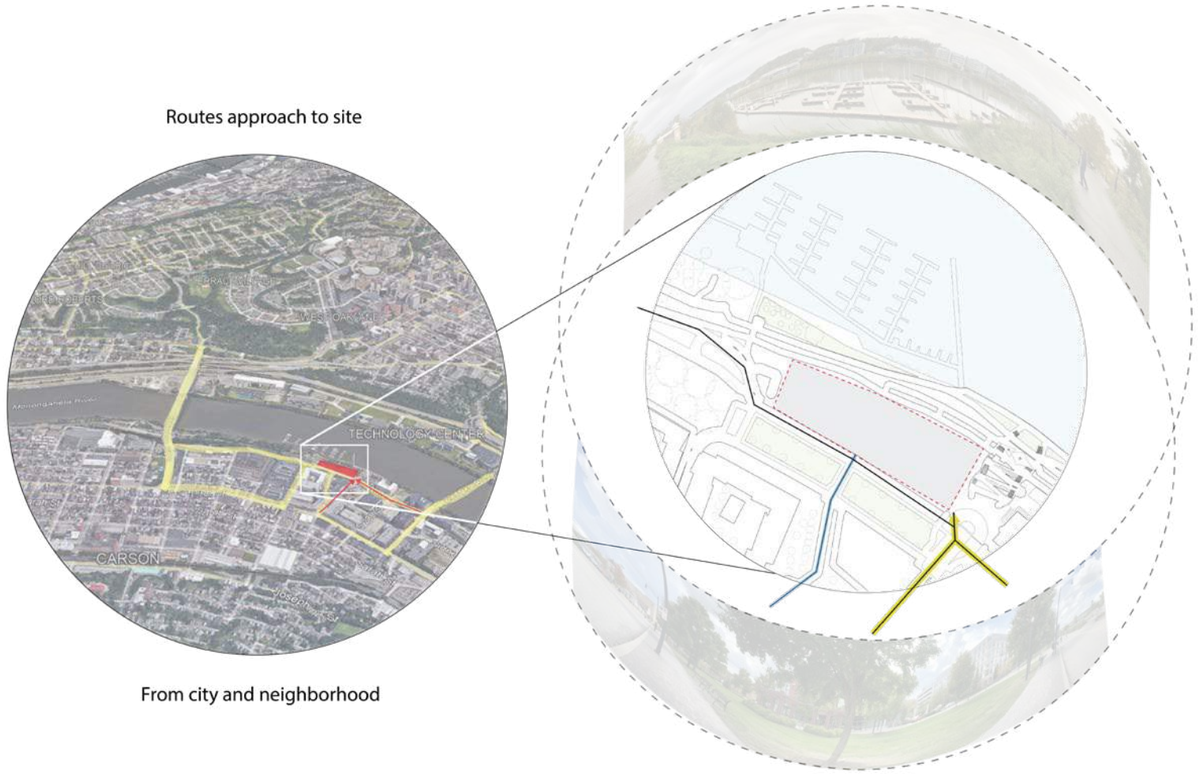


Connaissance

Culinary Center
Project Fall 2021

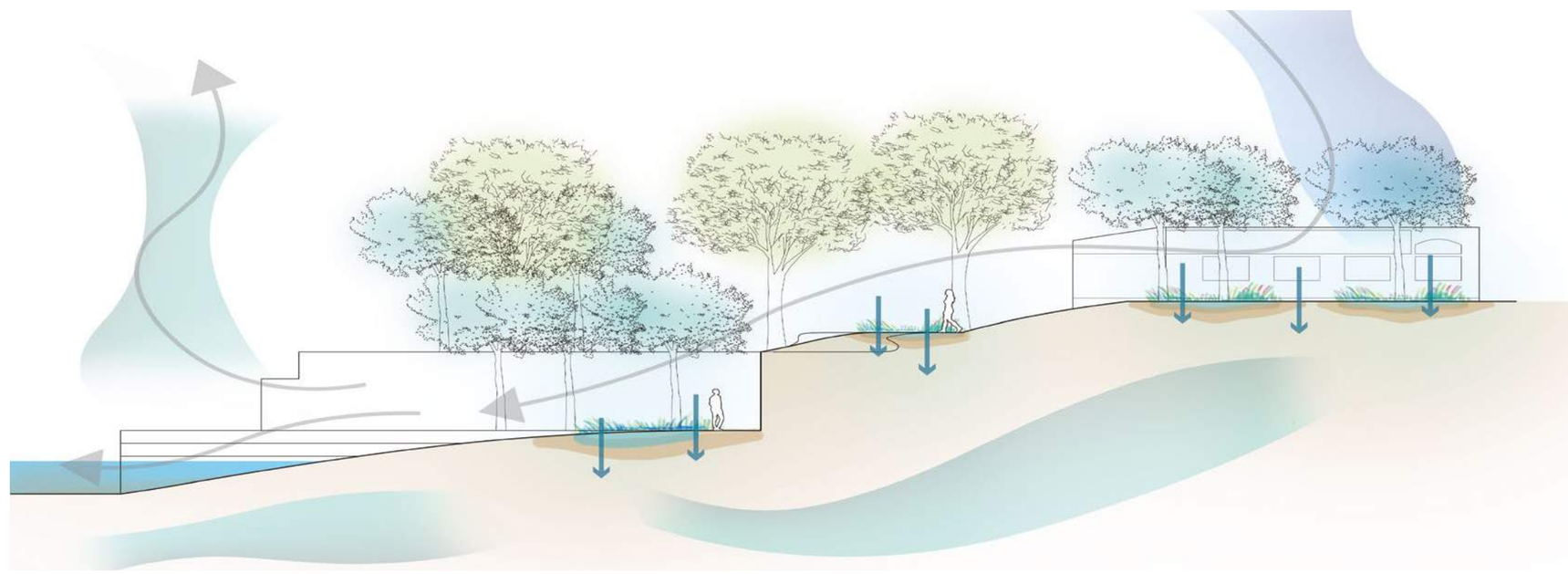
A culinary institute located in Southside Works,
Pittsburgh, PA
Studio Faculty: Tonya N Markiewicz

Site Research: SouthSide Walk, Pittsburgh



Connaissane is a culinary innstitute constructed on the open area that faces the Monogahela River and is surrounded by the Southside Works Community.

Our mission is to design an accessible and informative educational and dining center to elevate the importance of the natural enviornment on the community through the human experience of spatial connection with nature.



Chef Research: Design Inspiration

natural environment

local farm

Peggy Chen strives to create food that heals with the highest culinary standards. Peggy Chen focuses on effects of nature on people and the dining environment. She makes conscious food, using the freshest, most nutrient-dense of sustainable, plant-based ingredients. No corner of the restaurant strays from the eco-conscious theme, from a biodynamic wine list, to the meticulous sorting of waste, to hosting community screenings of environmental films.

food distribution

dining

natural surrounding

composting

Peggy Chan Philosophy:

1. Finding correlation between food and its enviornment

2. Food presentation

3. Connection between culinary and activism

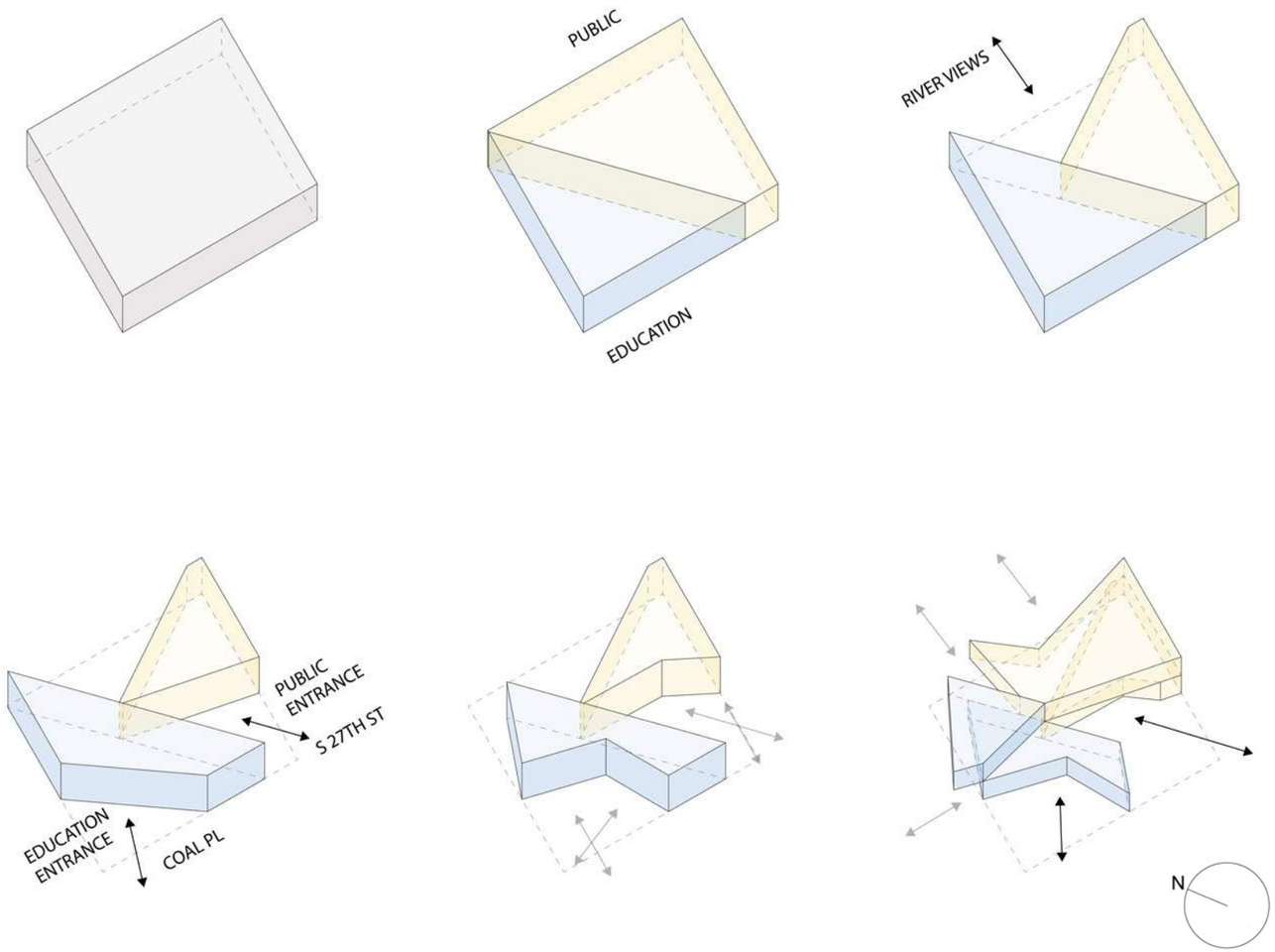
Inspired Architectural Ideas:

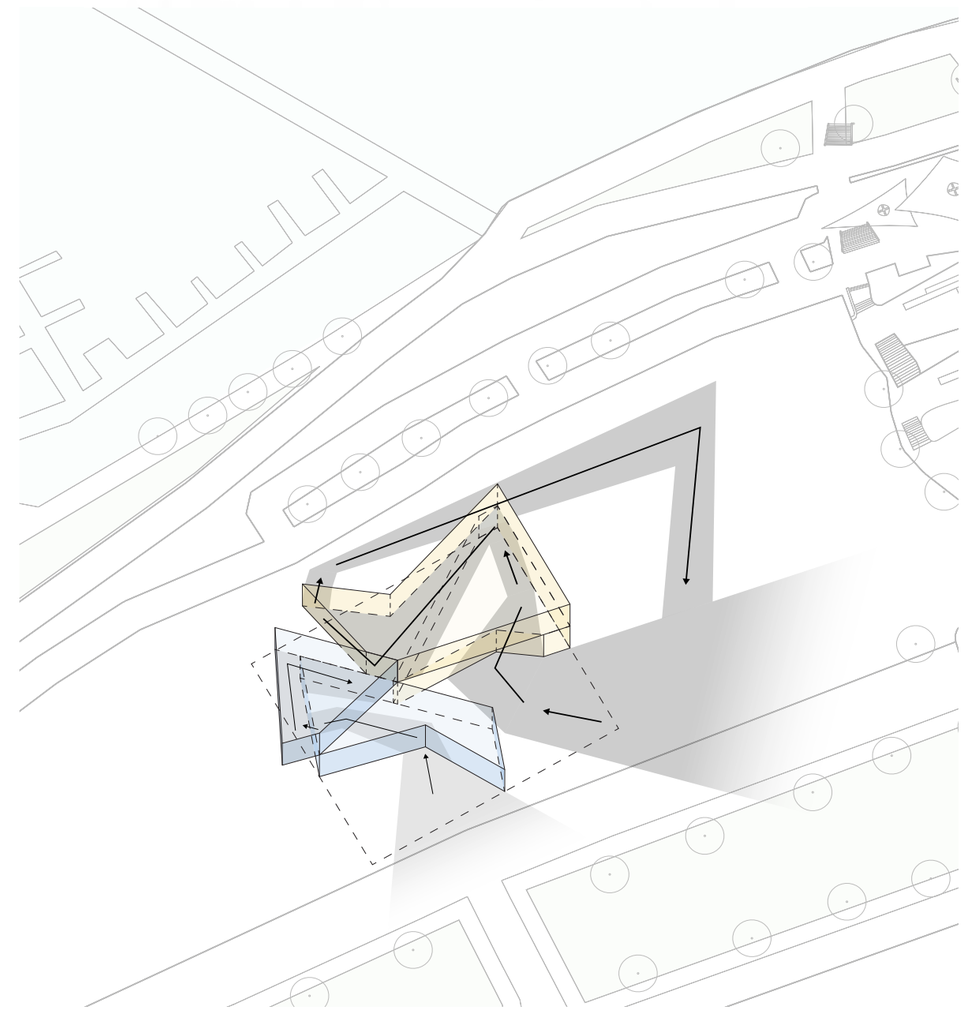
1. The Program layout is revealing the functional relationships of the space

2. Visibility of the natural systems + performative aspects of the building

3. Room connections + making culinary space visible to public

Design Construction



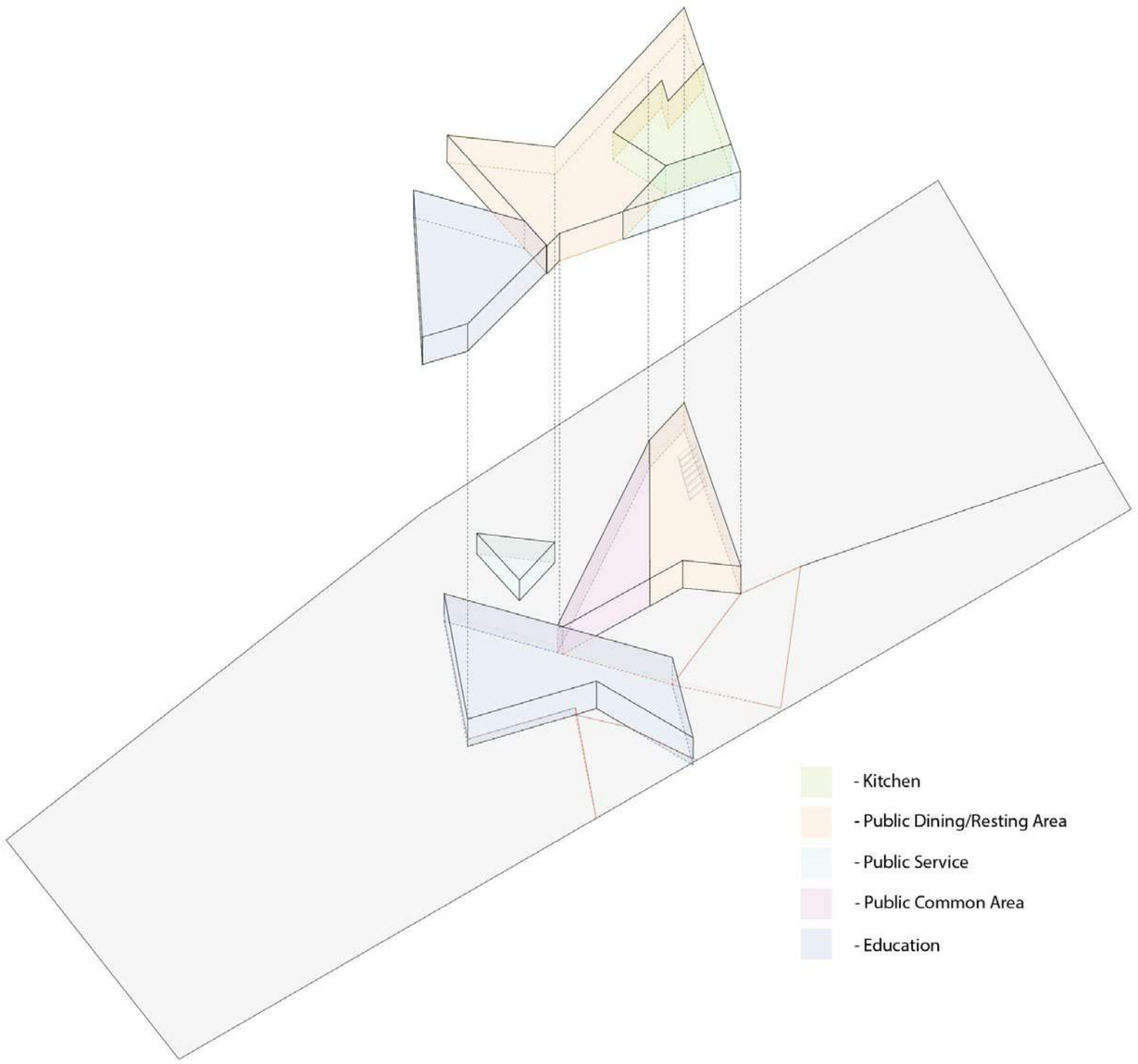


Axonometric Massing Transformation

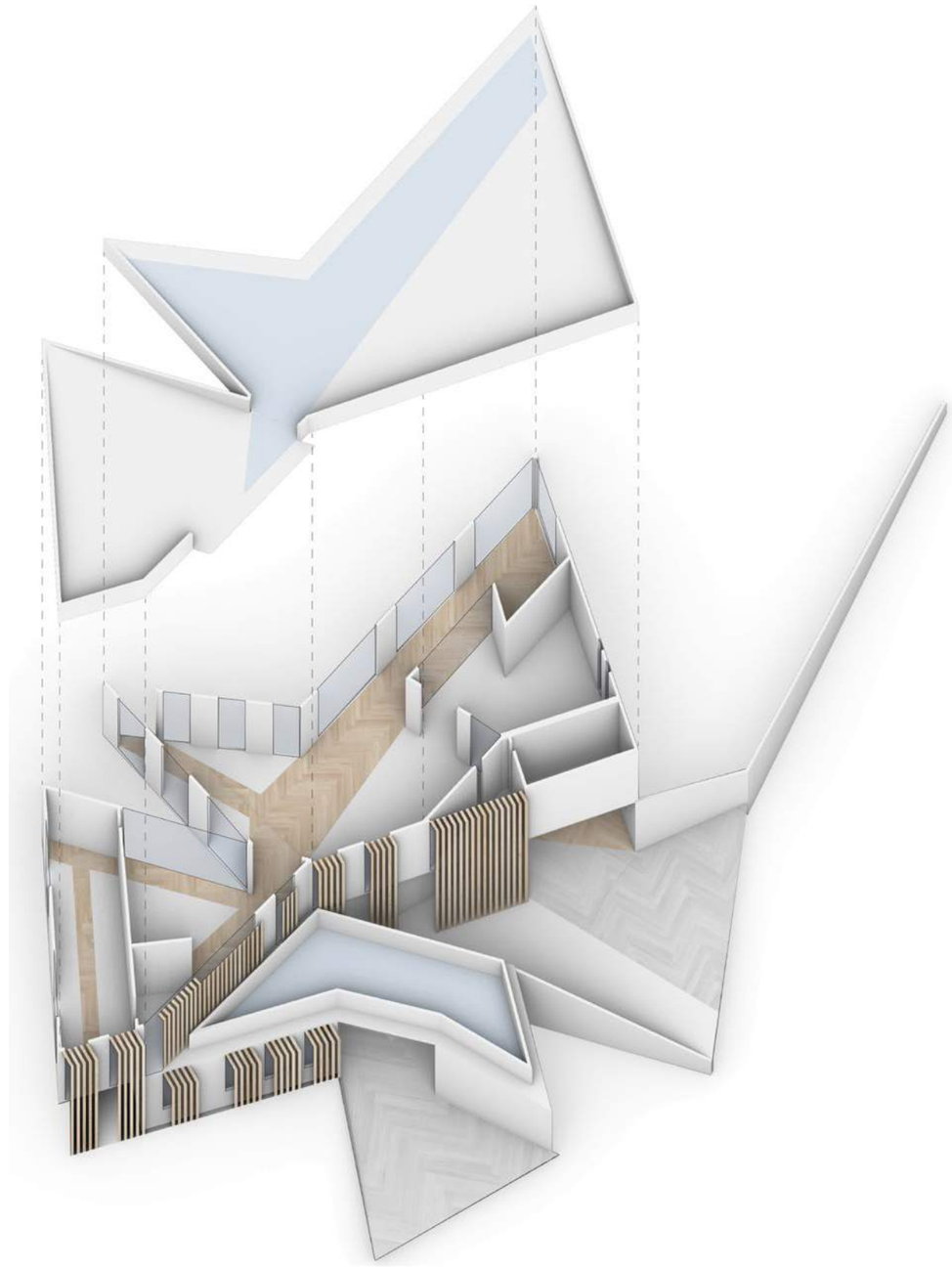
Primary Circulation

Using the basic geometry, we construct the culinary institute that splits into two parts: the educational and the public. Then following the trianglar form of the building, we develop the general pathway and site plan, which generates sequences for both educational and public areas, and eventually connect the two areas at the end.

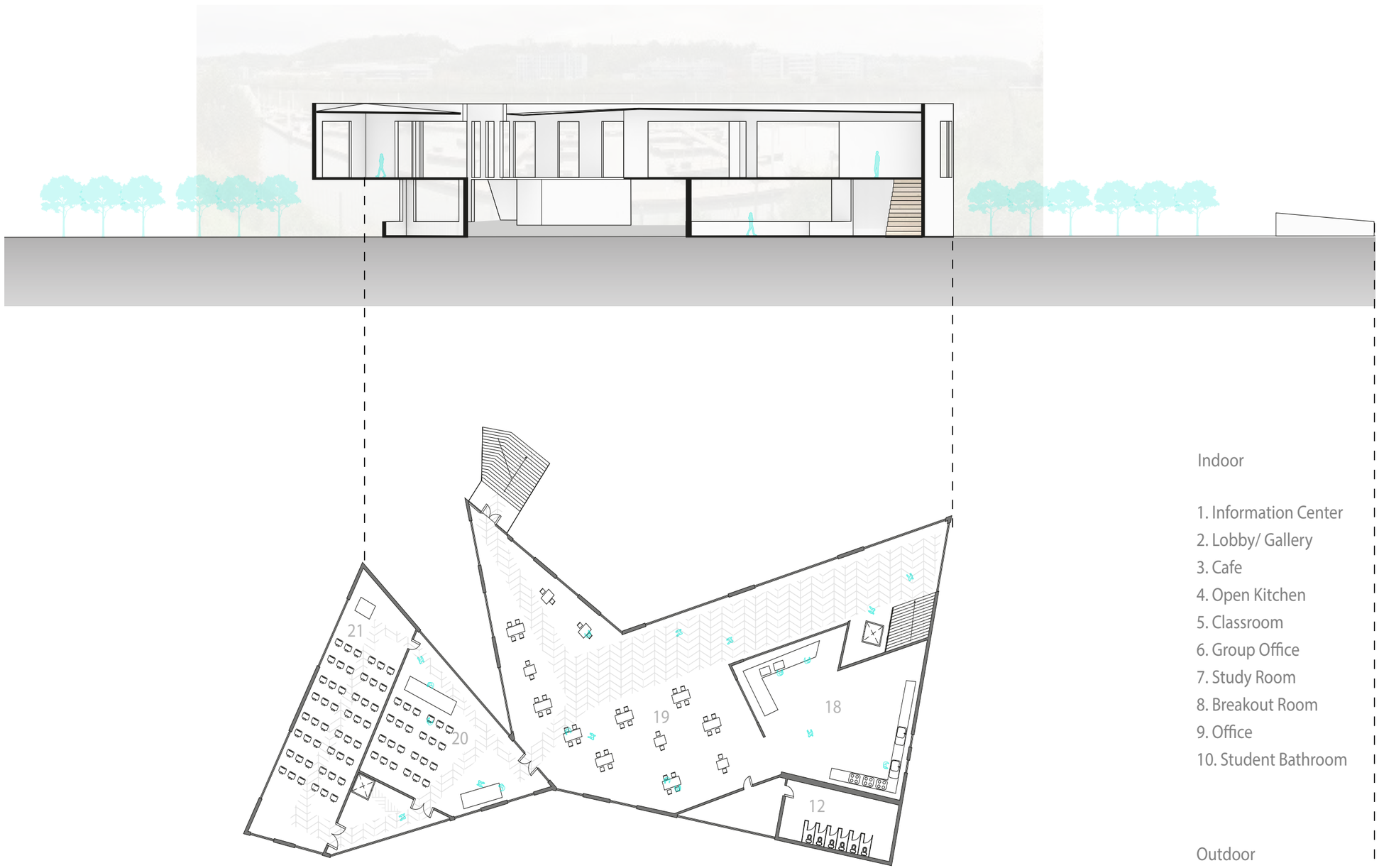
Program



Main Sequence highlighted through Materials



1/16″ = 1′ - 0″



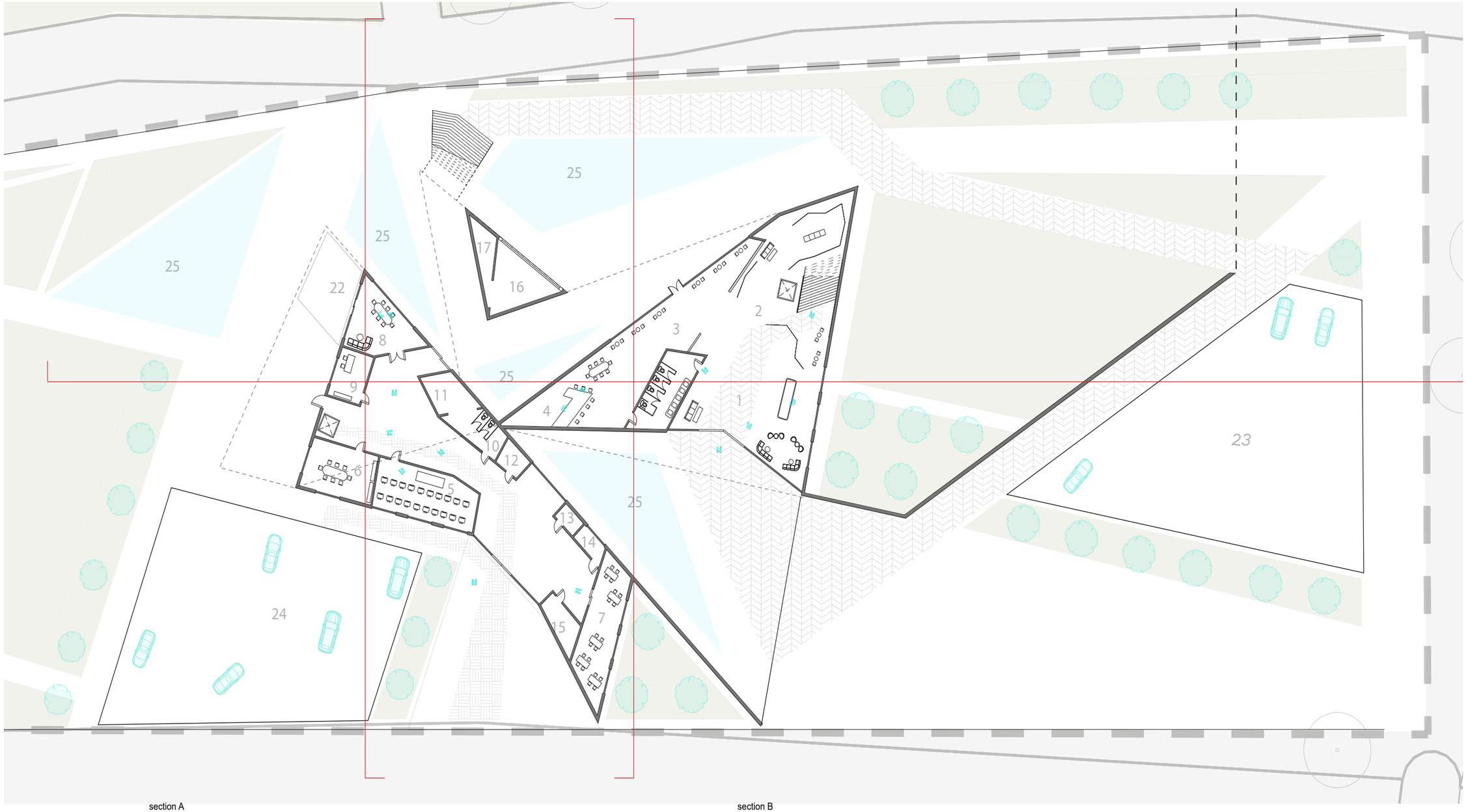
Indoor

1. Information Center
2. Lobby/ Gallery
3. Cafe
4. Open Kitchen
5. Classroom
6. Group Office
7. Study Room
8. Breakout Room
9. Office
10. Student Bathroom
11. Student Changing Room
12. Public Bathroom
13. Housekeeping
14. Mechanical
15. Management Office
16. Loading
17. Food Distribution
18. Working Kitchen
19. Resturant
20. Teaching Kitchen
21. Lecture

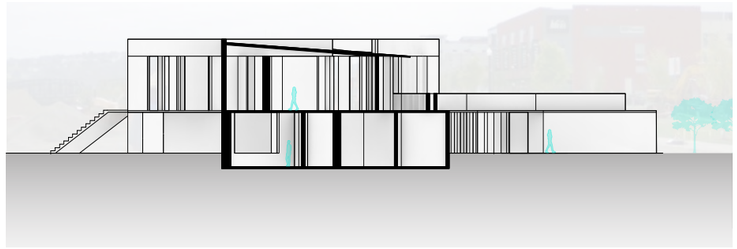
Outdoor

22. Outdoor Study
23. Public Parking
24. Private Parking
25. Water Feature

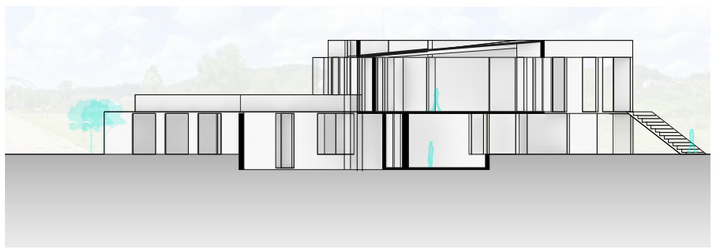
Floor 2



section A



section B



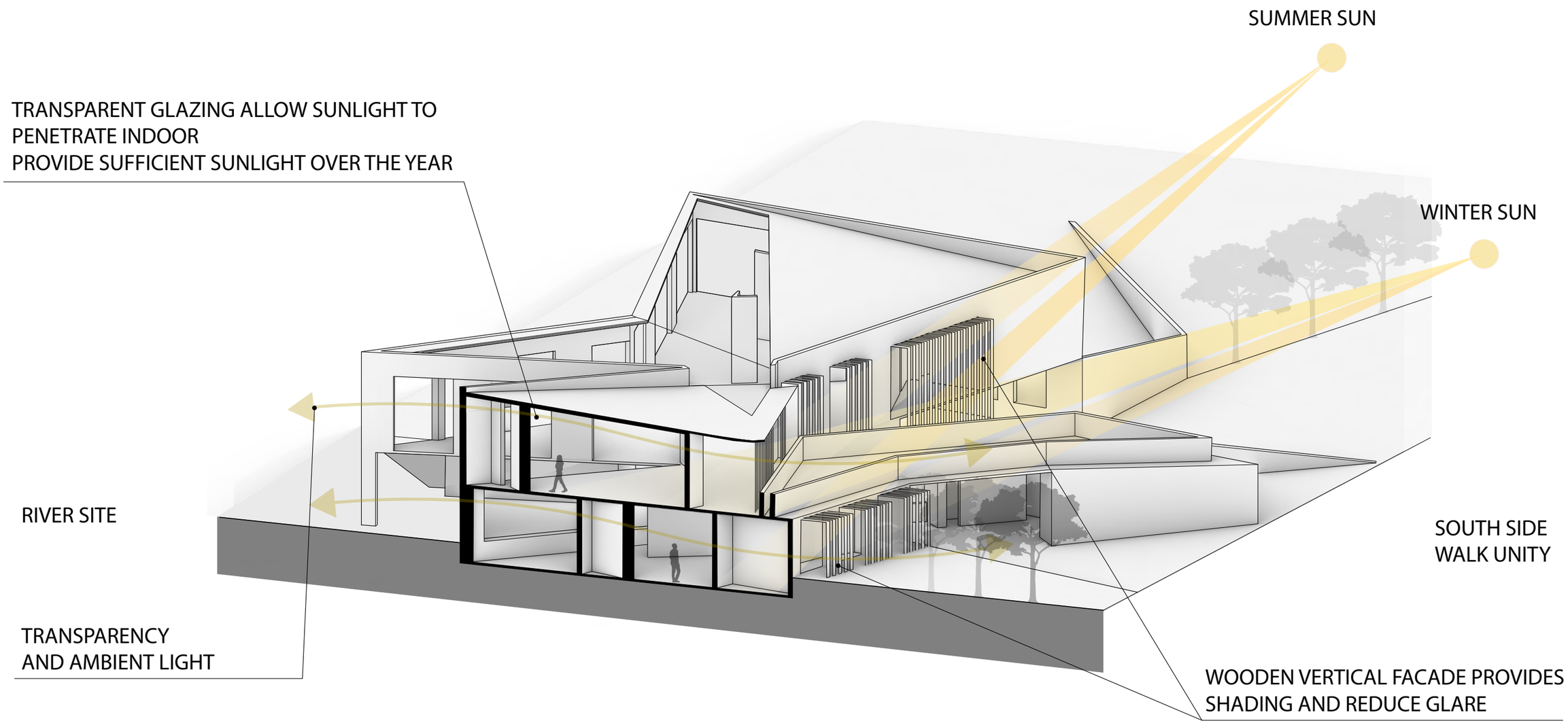
Performance Aspects

NATRUAL VENTILATION

SOUTH SIDE WALK PREVAILING WIND

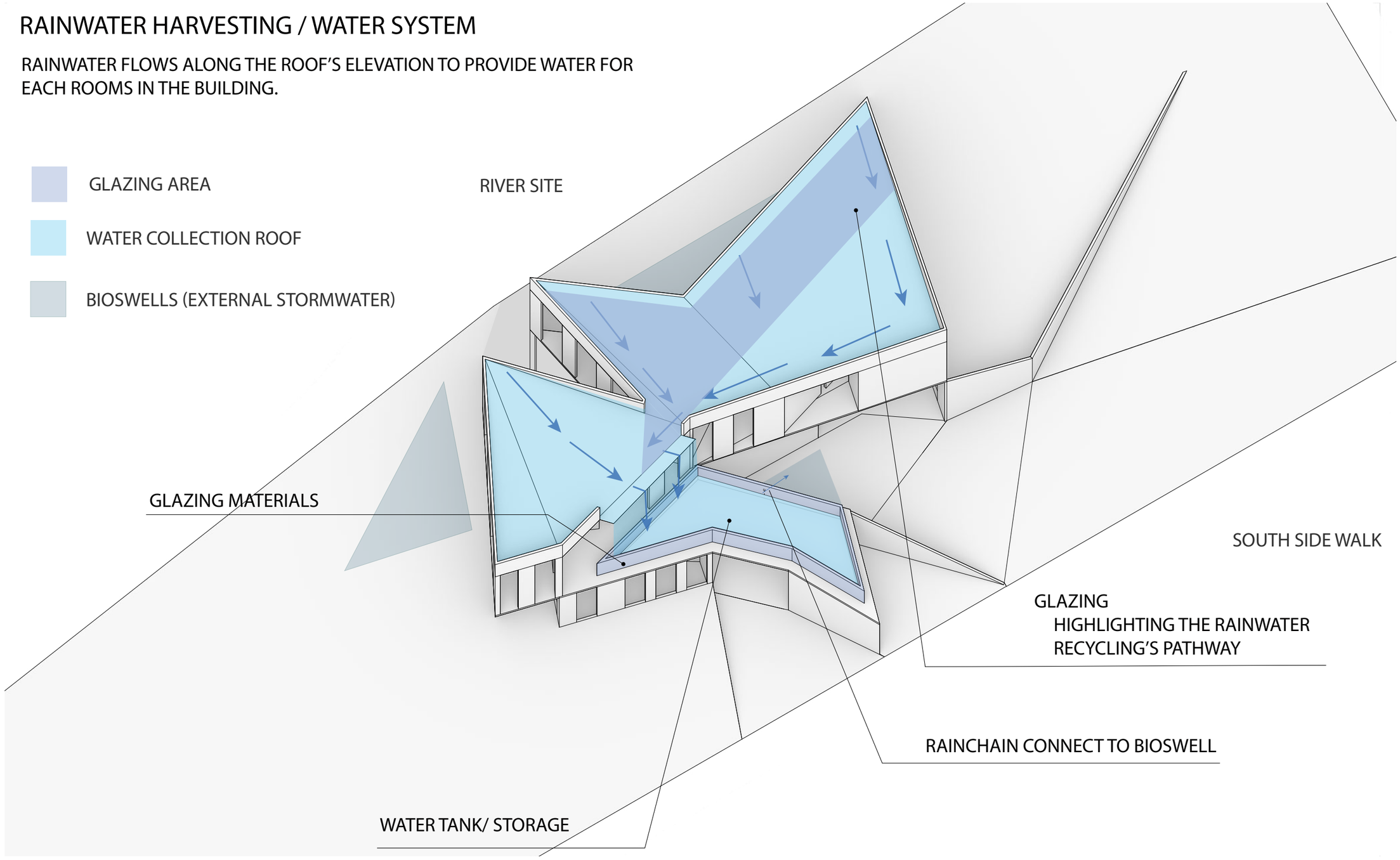
SOLAR DEISGN

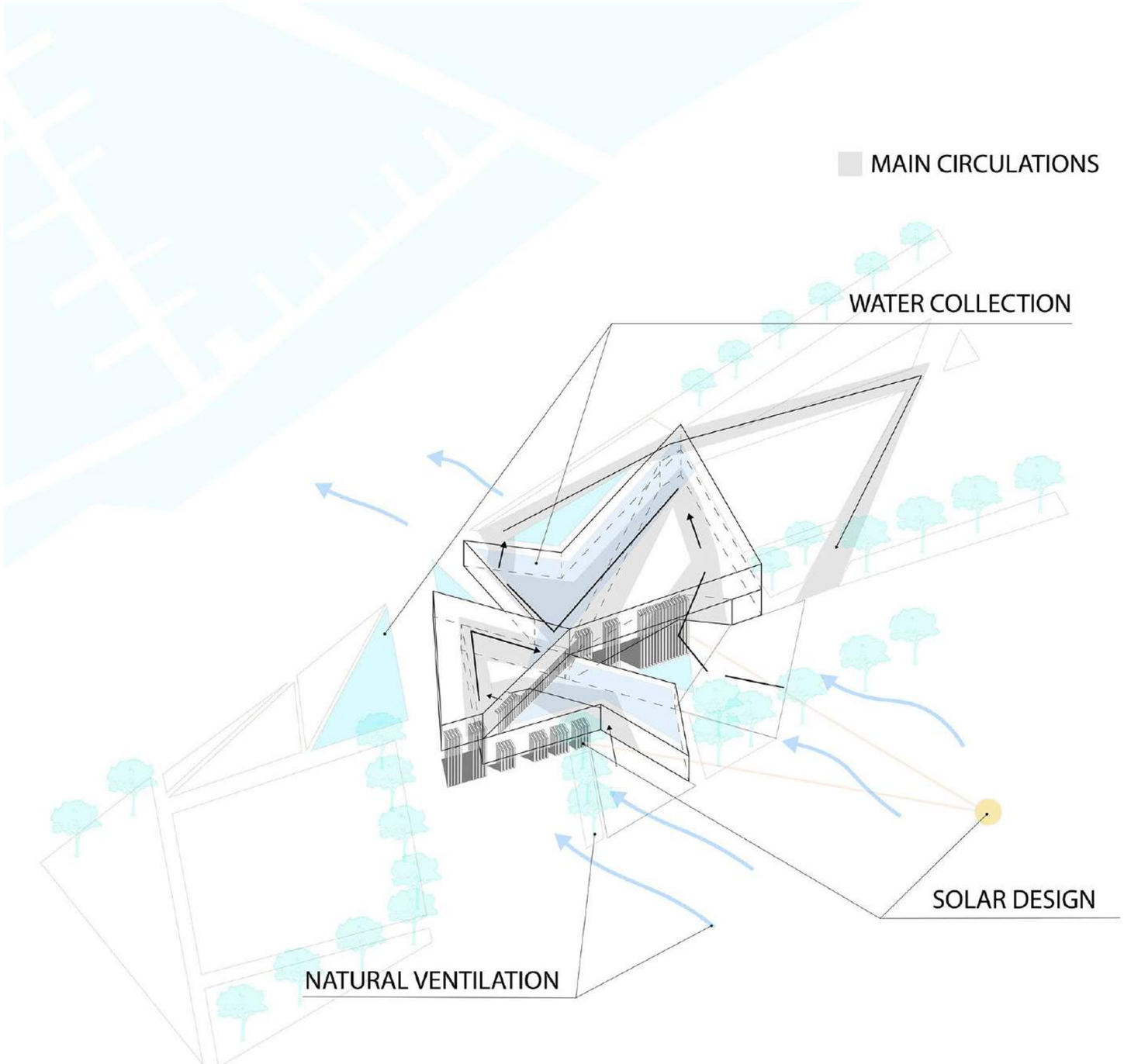
SUMMER AND WINTER SUN ANGLE ANALYSIS WITH FACADE DESIGN



RAINWATER HARVESTING / WATER SYSTEM

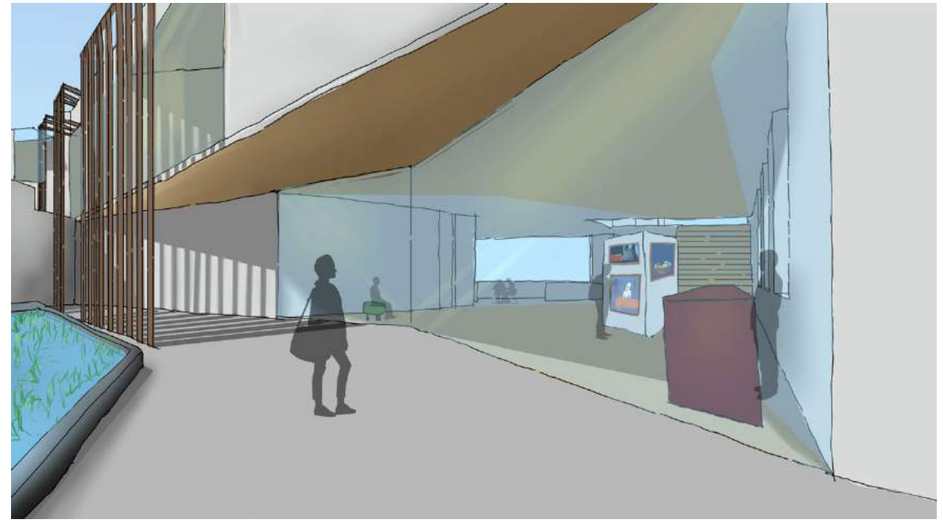
RAINWATER FLOWS ALONG THE ROOF'S ELEVATION TO PROVIDE WATER FOR EACH ROOMS IN THE BUILDING.



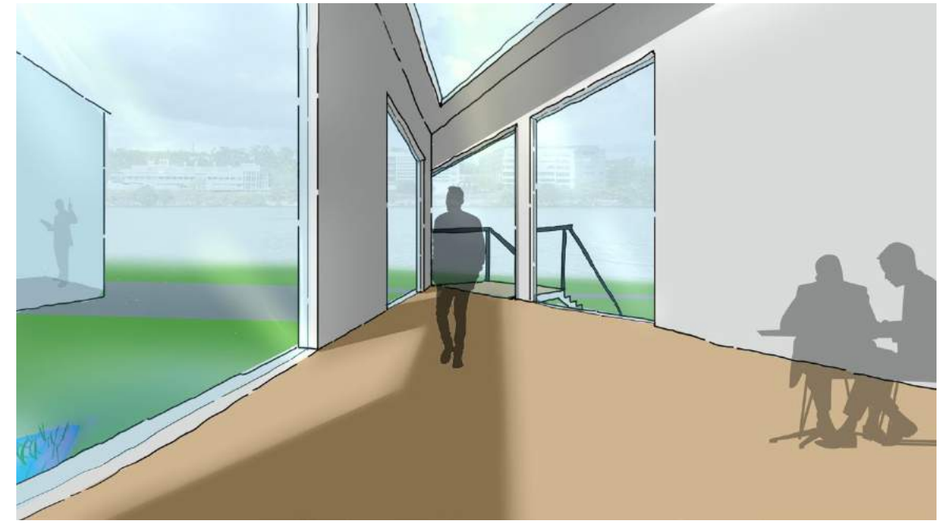


Performance Sequence

Sequence Movements

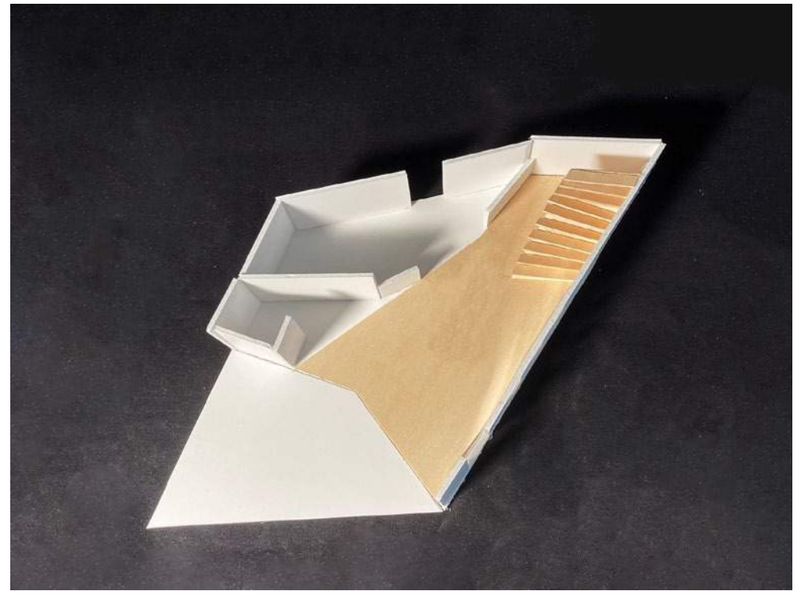


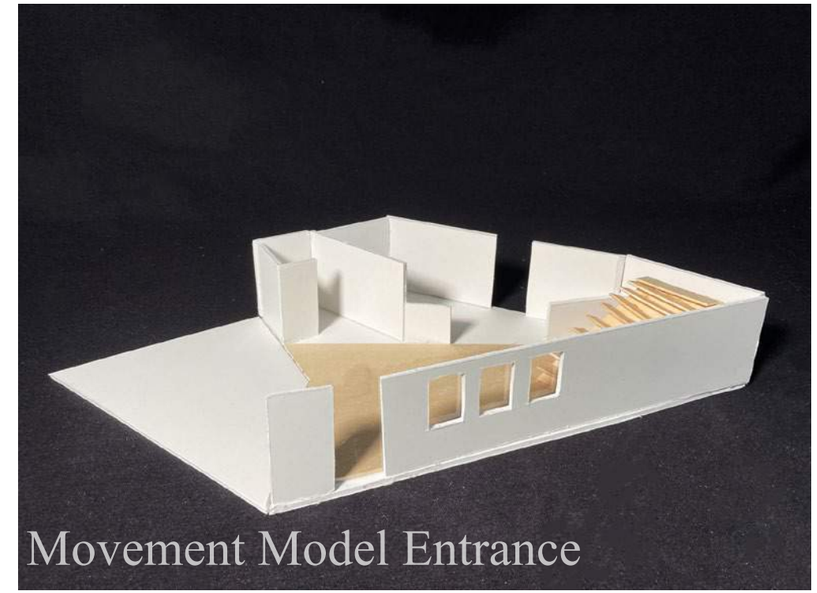
The main entrance is facing the southeast side of the site, where the majority of the visitors come in, as they ascend the stairs to the second floor, visitors enter the restaurant space joined with the kitchen.

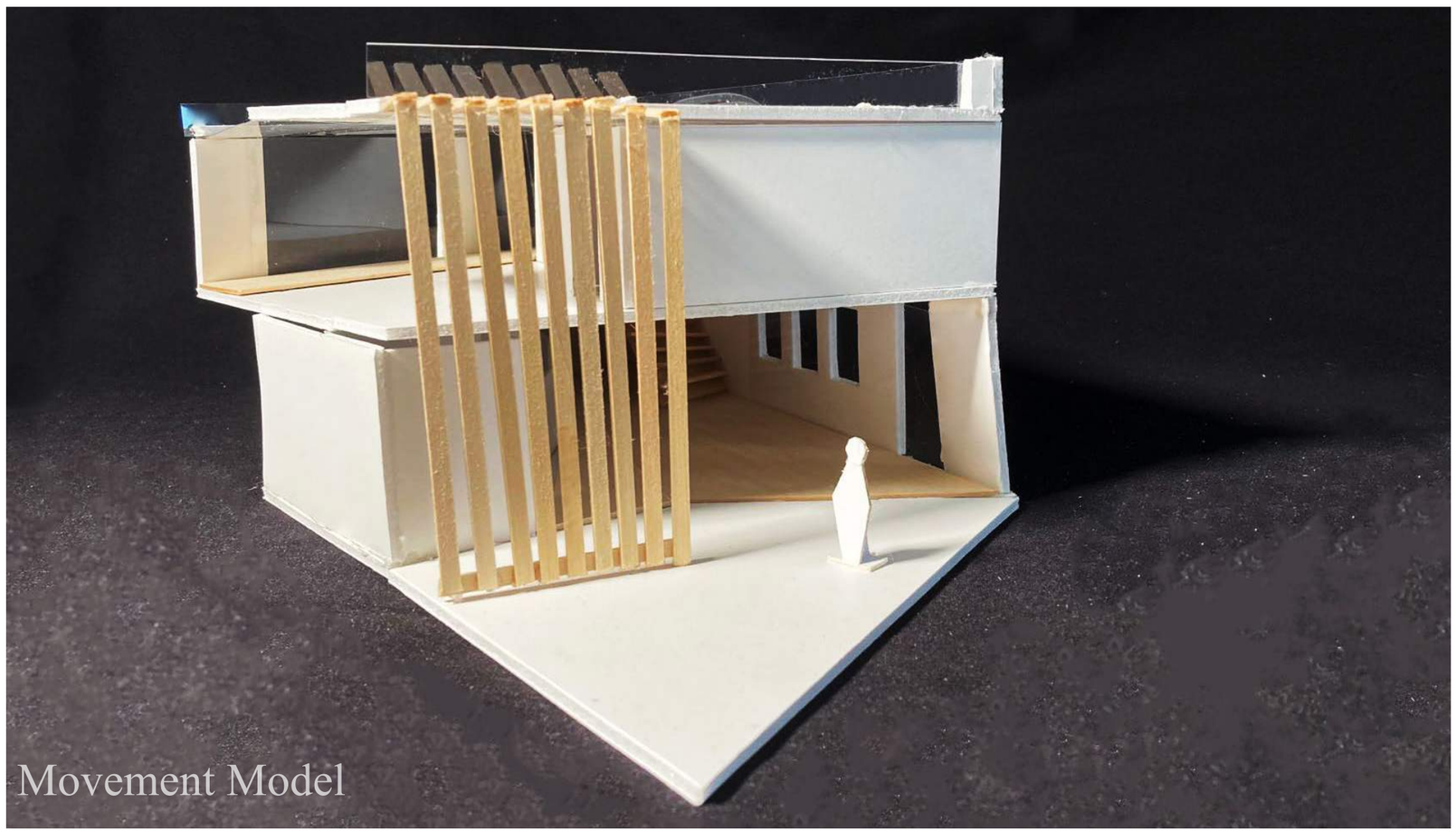


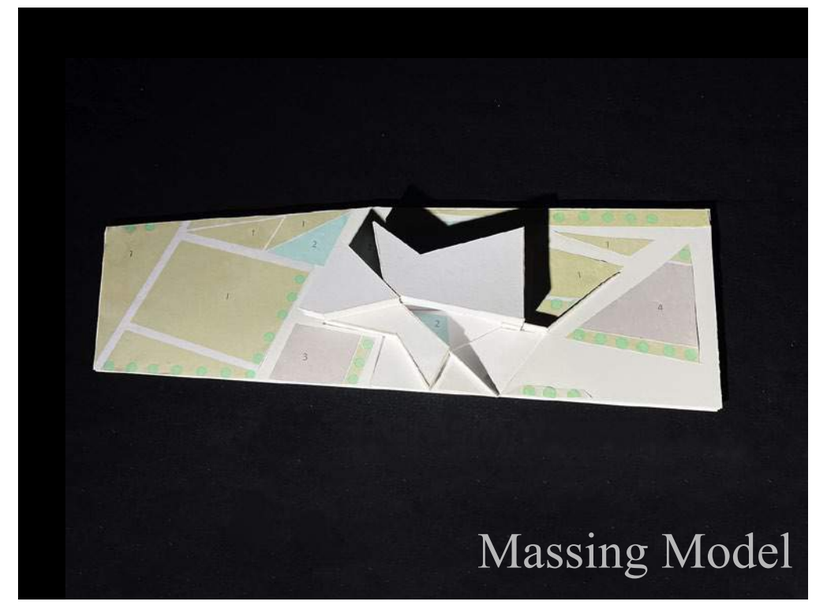
Further down the space, they are encountered with the teaching kitchen for students and are able to have access to the exterior space through a flight of stairs to the outside. The students and staff can enter the educational part of the building and to their second floor are the main lecture space and teaching kitchen. Thus creating a connection point between the public and educational sequence.

Movement Model Section




Movement Model Entrance


Movement Model


Massing Model

Models