

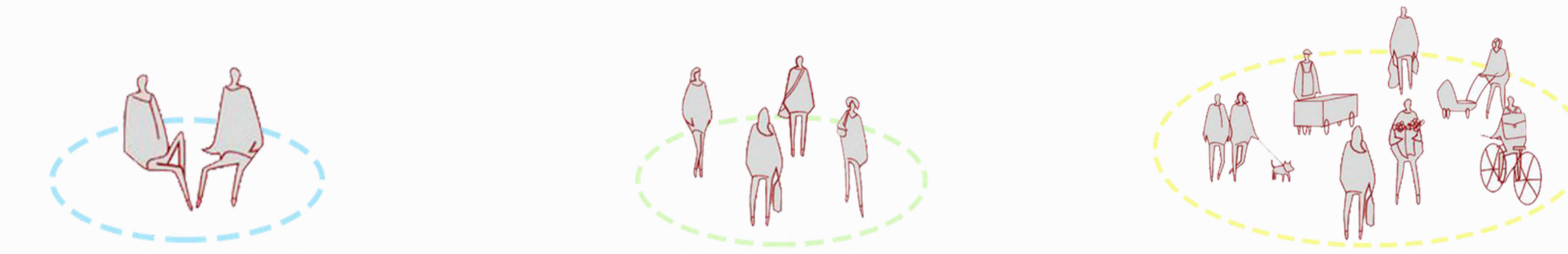
PROJECT: COMMUNITY CENTER

CONCEPTUAL APPROACH

THE PROJECT IS A COMMUNITY CENTER DEFINE BY TWO MAIN AREAS. ONE EDUCATIONAL AND CULTURAL, ANOTHER SPORTIVE AND COMMERCIAL (1650 M2 EACH). BOTH OF THEM HAVING A DISTINCTIVE COURTYARD, BUT ORGANIZED AROUND A MAIN CENTRAL COURTYARD.

HERE, THE IDEA WAS TO PROMOTE TRANSITION FROM ONE SPACE TO ANOTHER, WITHOUT DISTURBING THE FLOW AND SERENITY FIND IN EACH AREA WHILE OTHER ACTIVITIES ARE MADE.

IN THIS WAY, EACH AREAS CARRY ITS OWN ATMOSPHERE AND CHROMATIC VALUE.

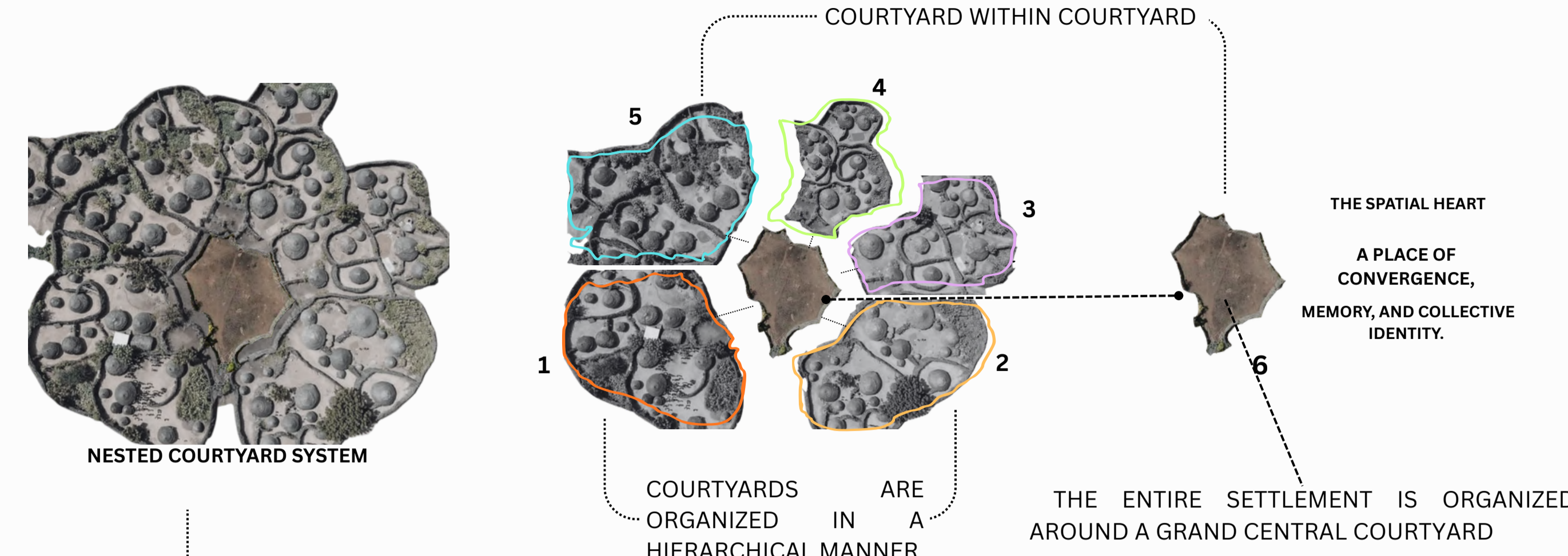


• Encourages informal interaction, shared responsibility, and collective memory.



Clear hierarchy of spaces: private → semi-public → public

NESTED COURTYARD SYSTEM = LIFE QUALITY GENERATOR

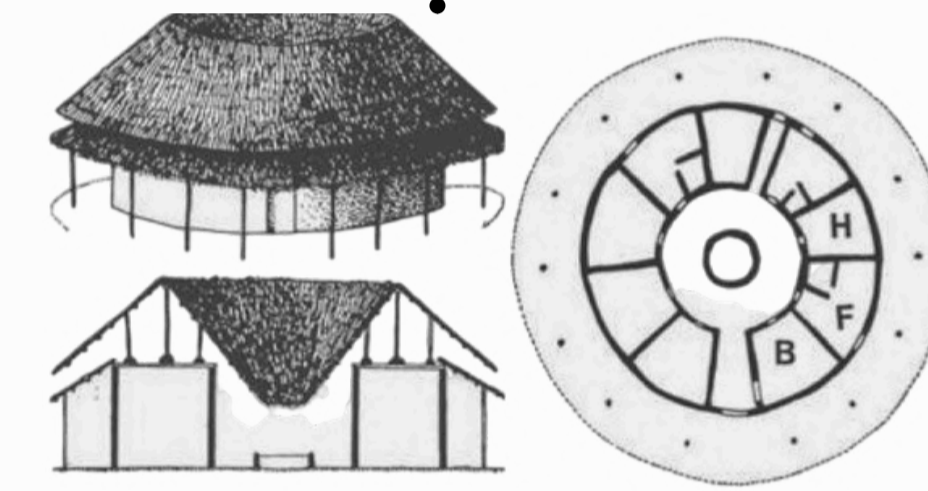


NESTED COURTYARD: FOUND ACROSS THE MIDDLE EAST, , MEDITERRANEAN EUROPE, AND PARTS OF ASIA

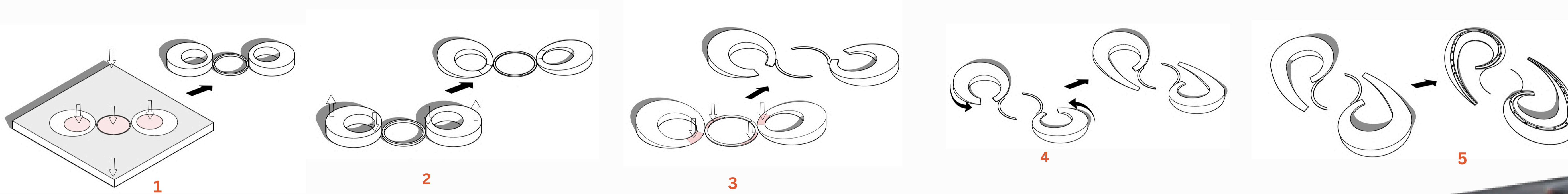
SEPERATED BY THEIR LOCATION BUT CONNECTED THROUGH THEIR PHILOSOPHY.

IMPLUVIUM HUTS : SPECIFIC TO WEST AFRICA— ESPECIALLY AMONG THE DIOLA PEOPLE IN THE CASAMANCE REGION OF SENEGAL.

IMPLUVIUM HUT = FORM AS A VESSEL TO CONTAIN THAT LIFE QUALITY

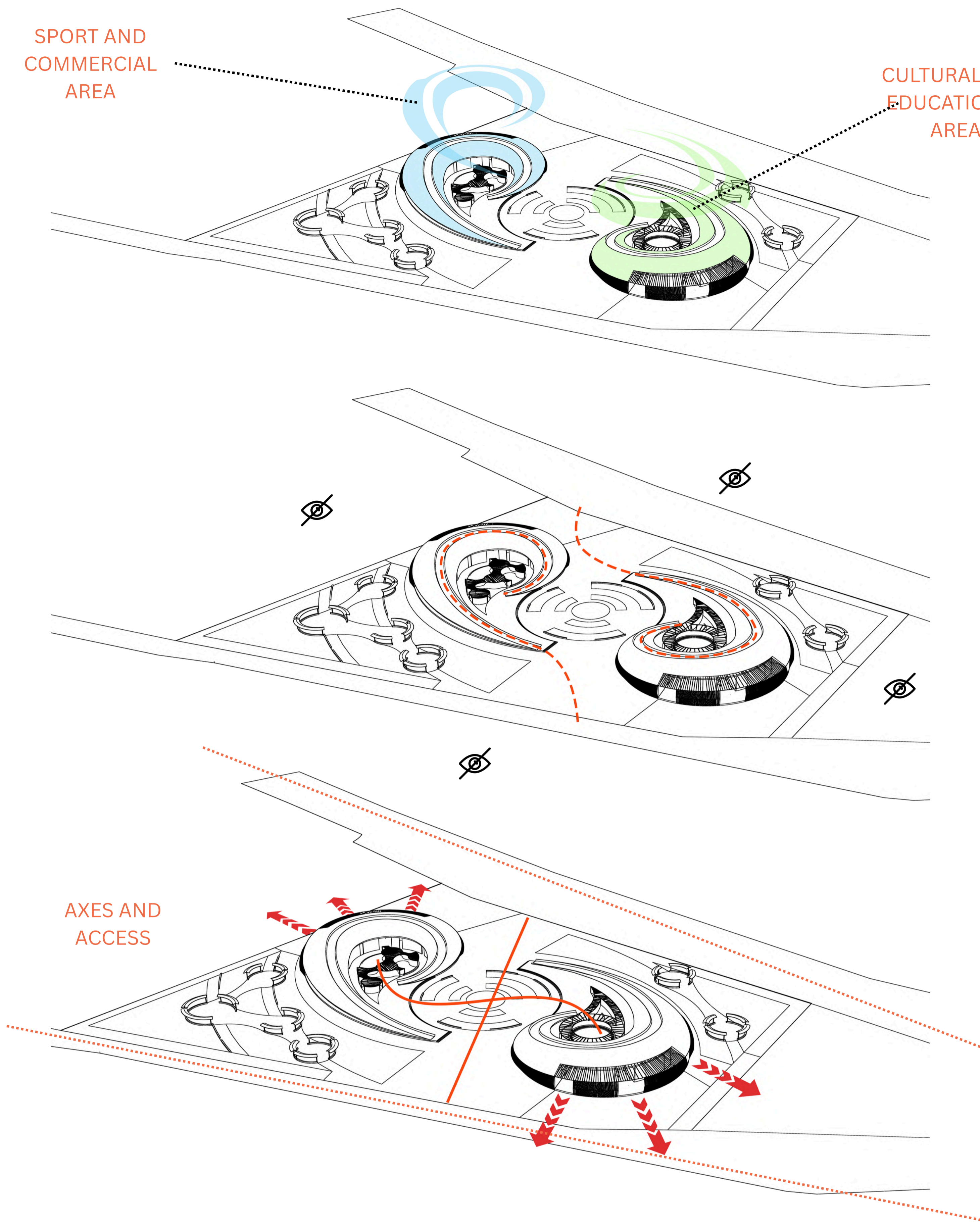


BOTH SYSTEMS TREAT EMPTINESS AS GENERATIVE: THE CENTRAL VOID IS NOT ABSENCE, BUT PRESENCE OF LIFE— AIR, WATER, LIGHT, AND SOCIAL EXCHANGE. THE IMPLUVIUM HUT IS A MICROCOSM OF THE NESTED COURTYARD SYSTEM: IT CONTAINS WITHIN ITSELF THE LOGIC OF LAYERING, CLIMATE RESPONSIVENESS, AND SPATIAL HIERARCHY THAT THE NESTED SYSTEM EXPANDS UPON



SPORT AND
COMMERCIAL
AREA

CULTURAL AND
EDUCATIONAL
AREA

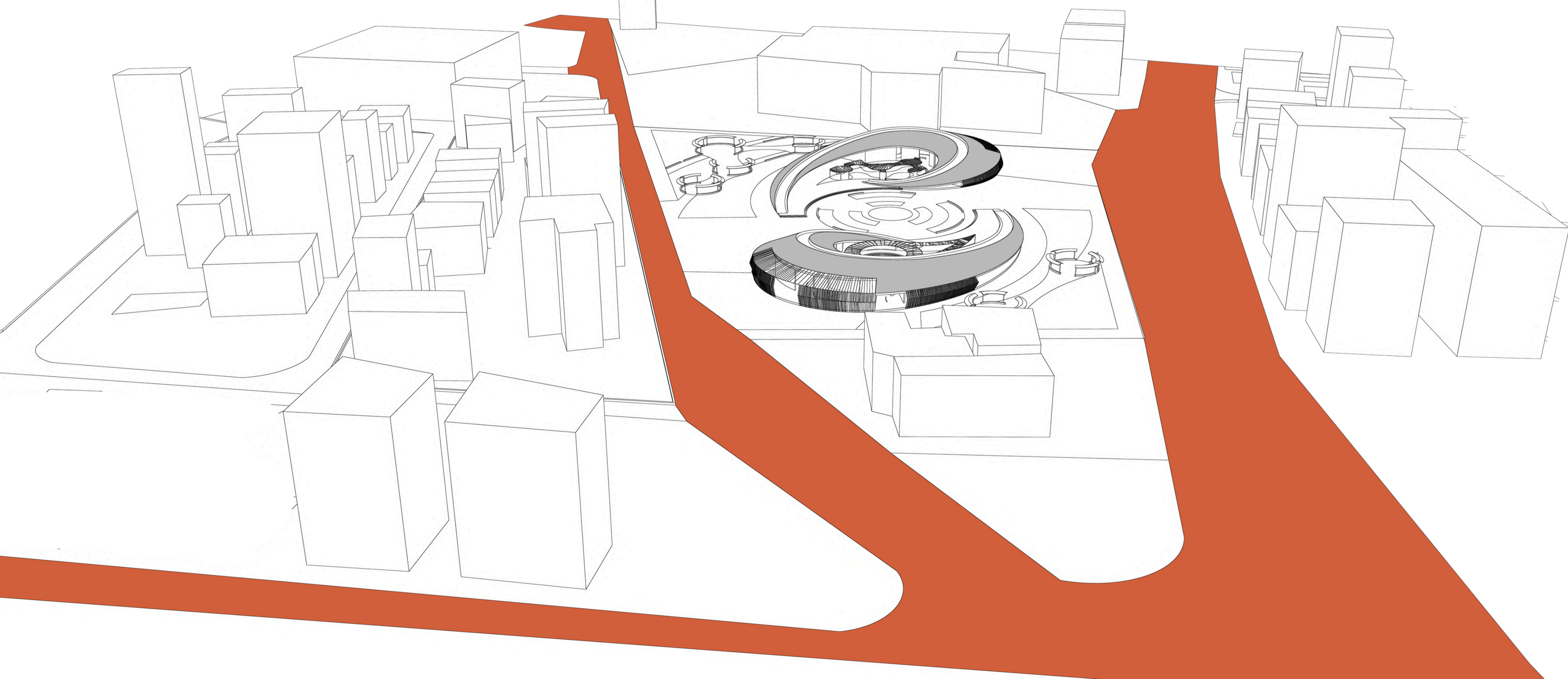


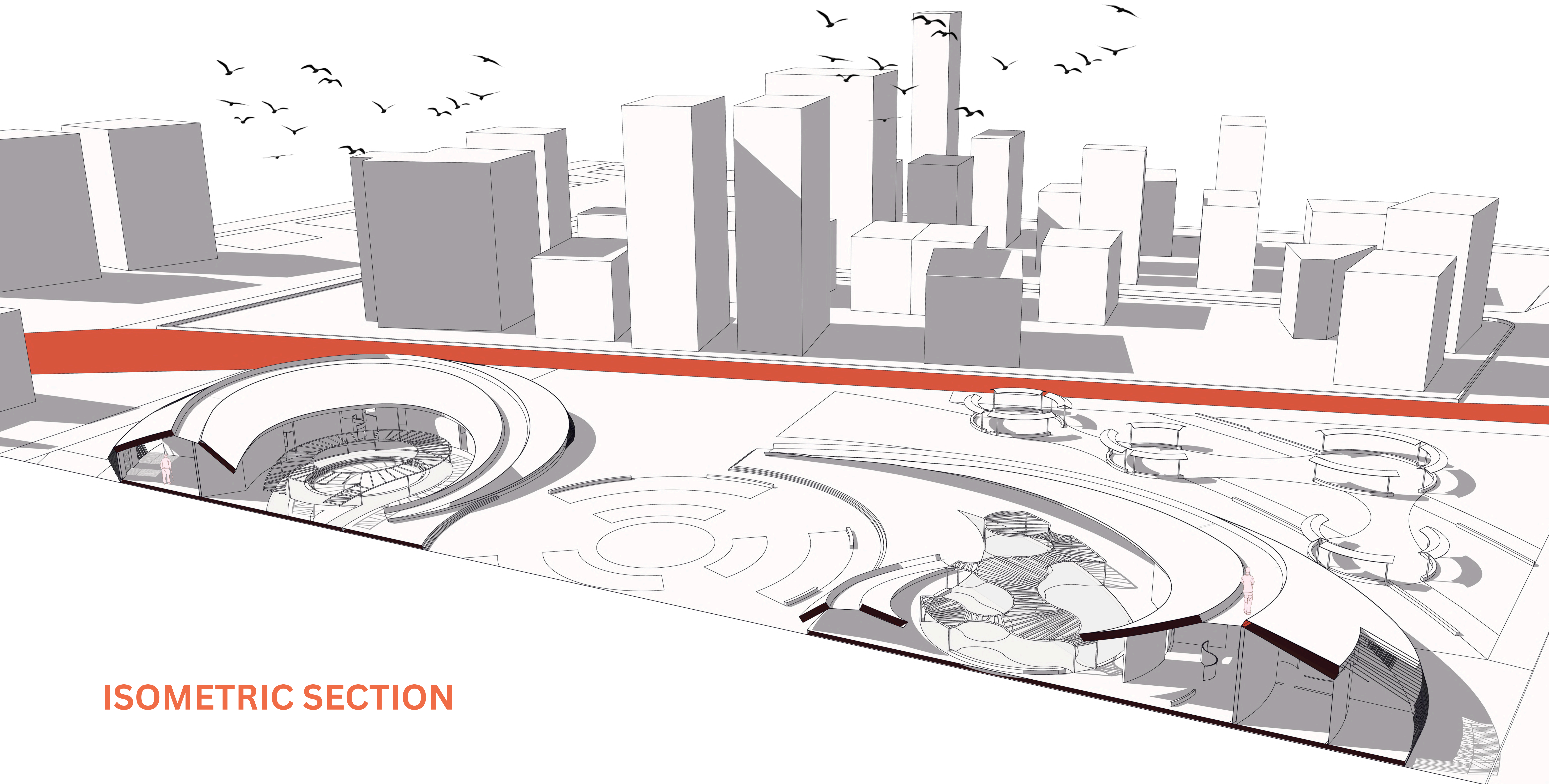
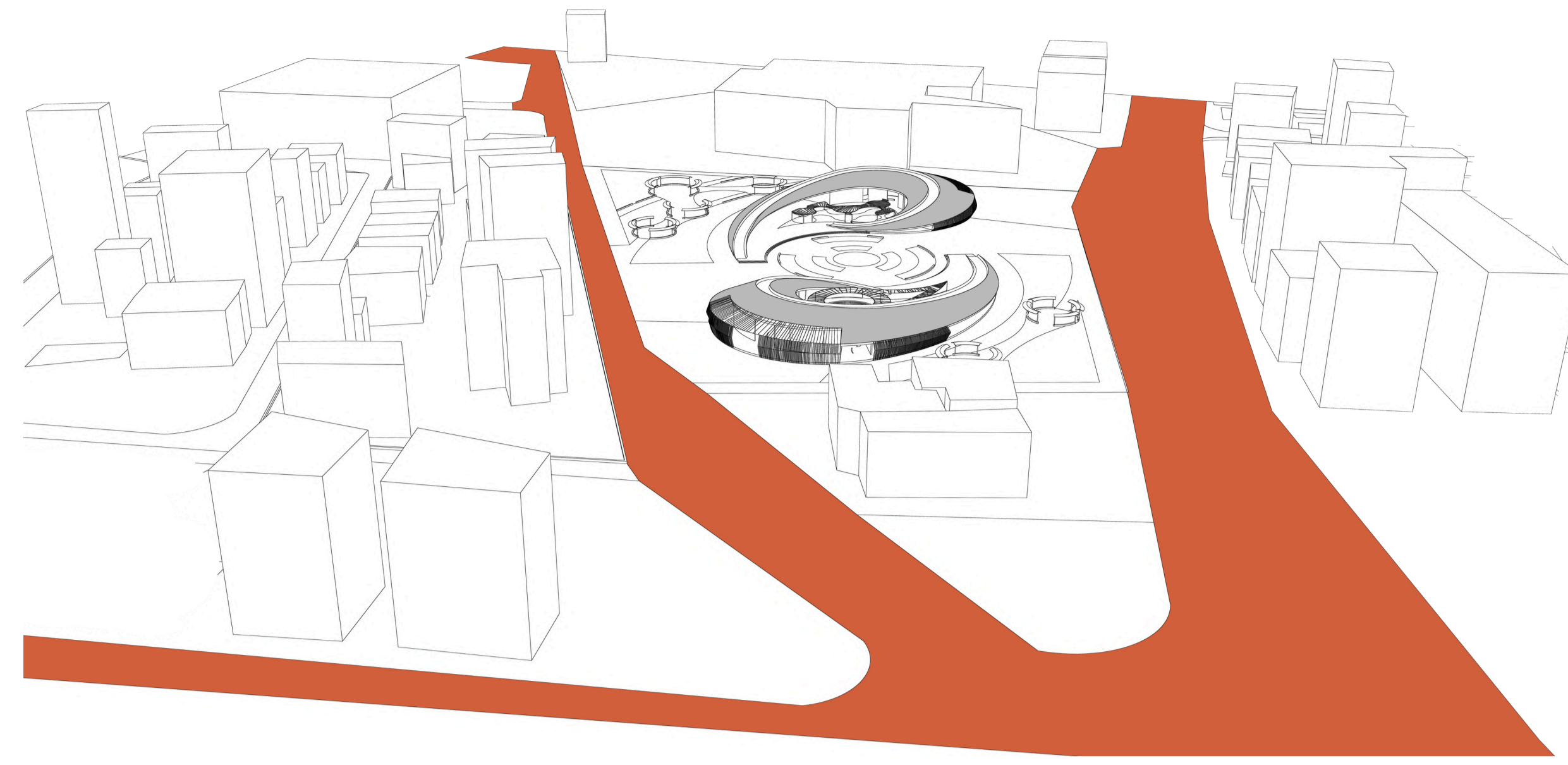
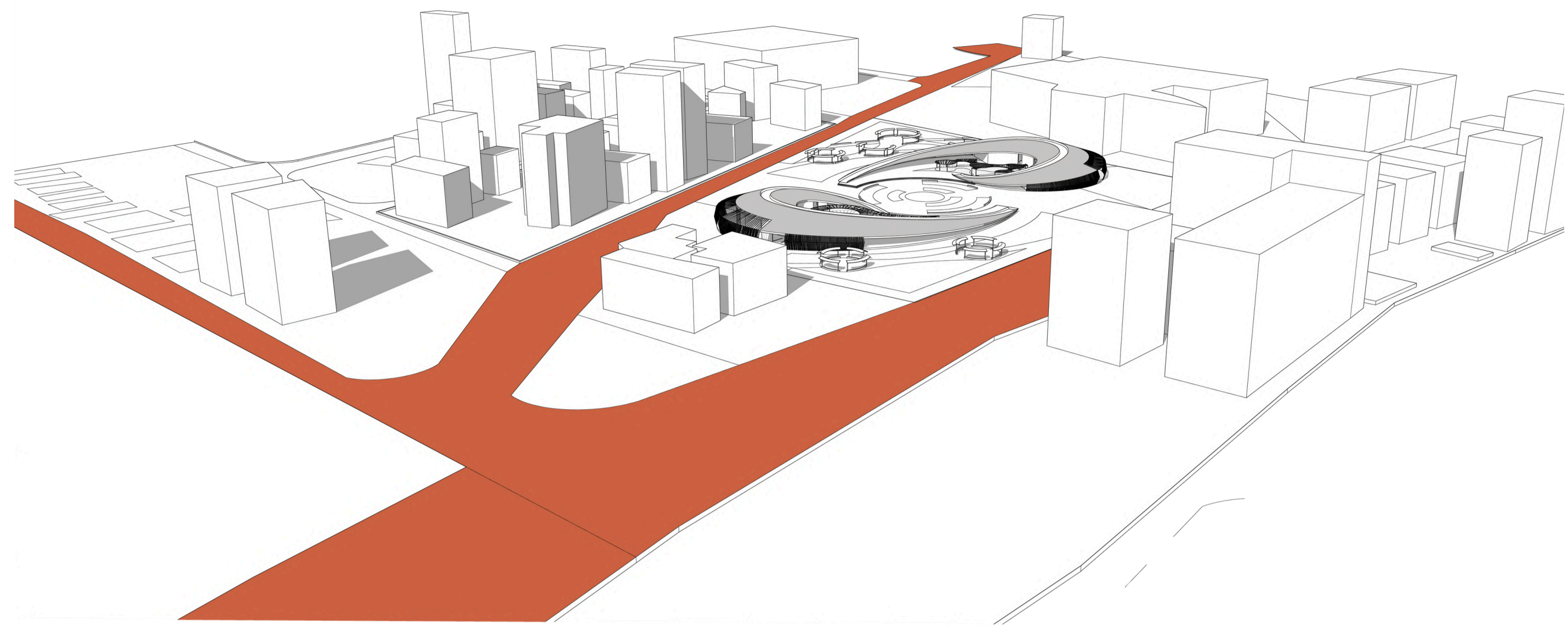
AXES AND
ACCESS

SITE PLAN

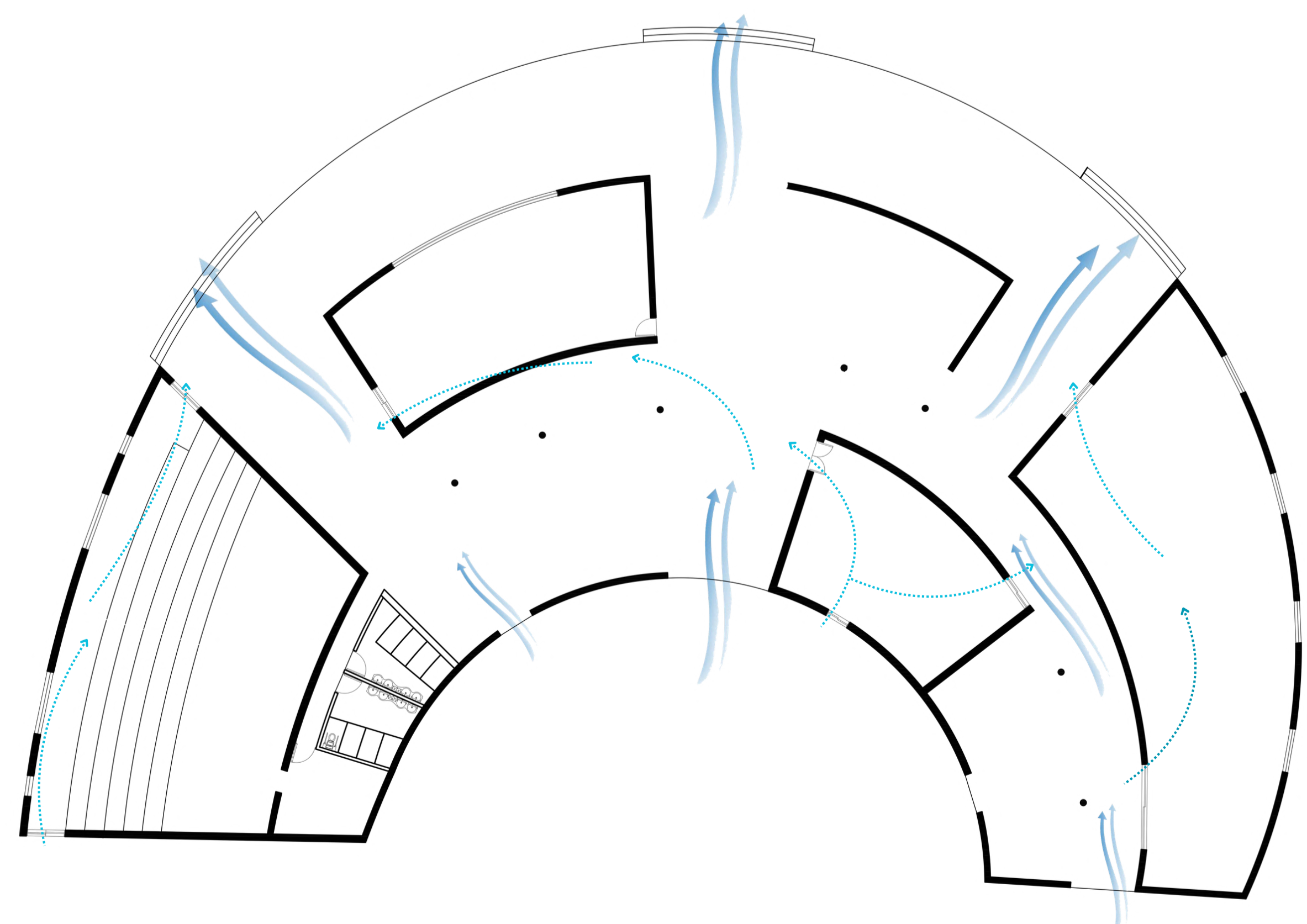
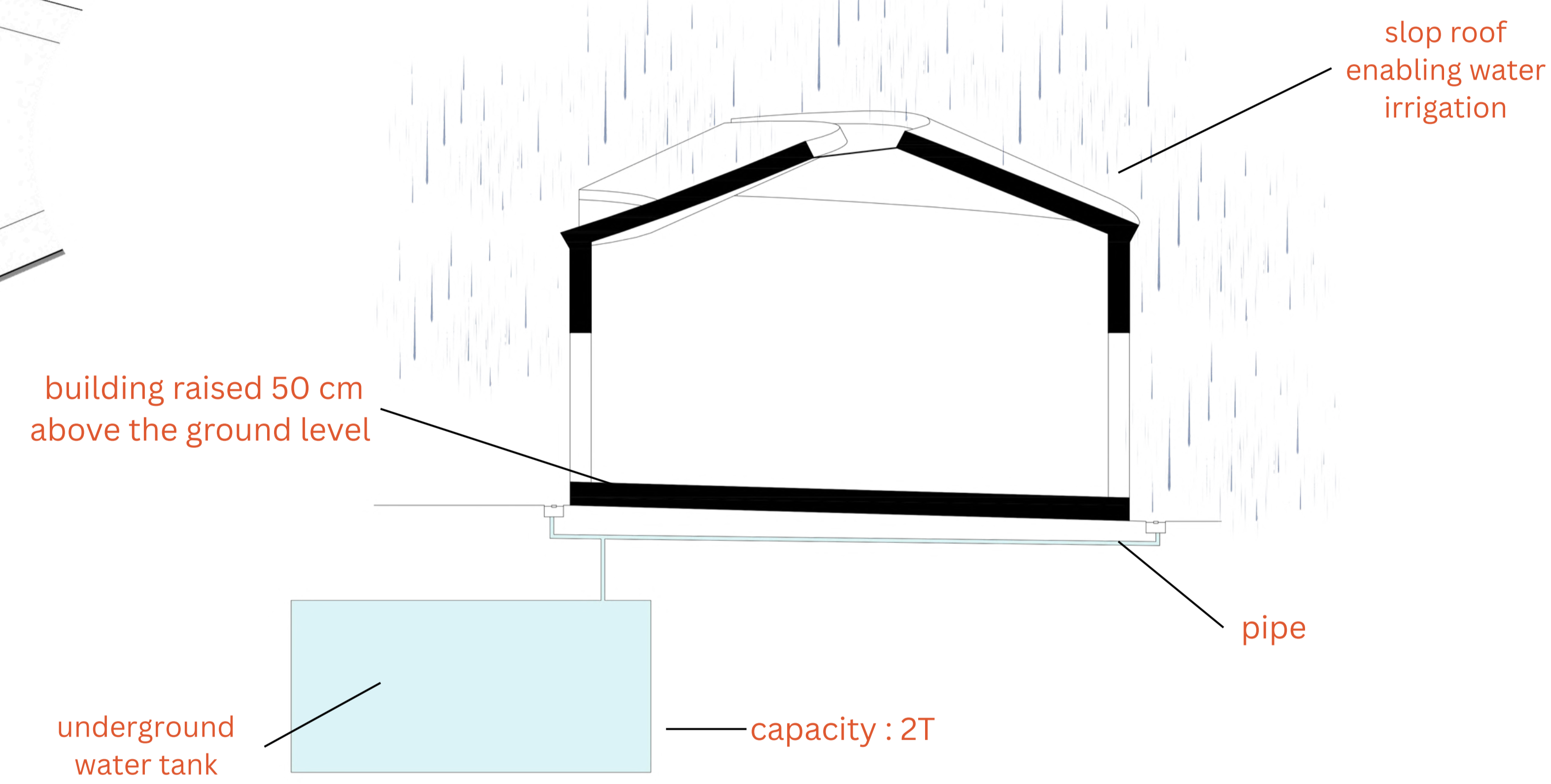
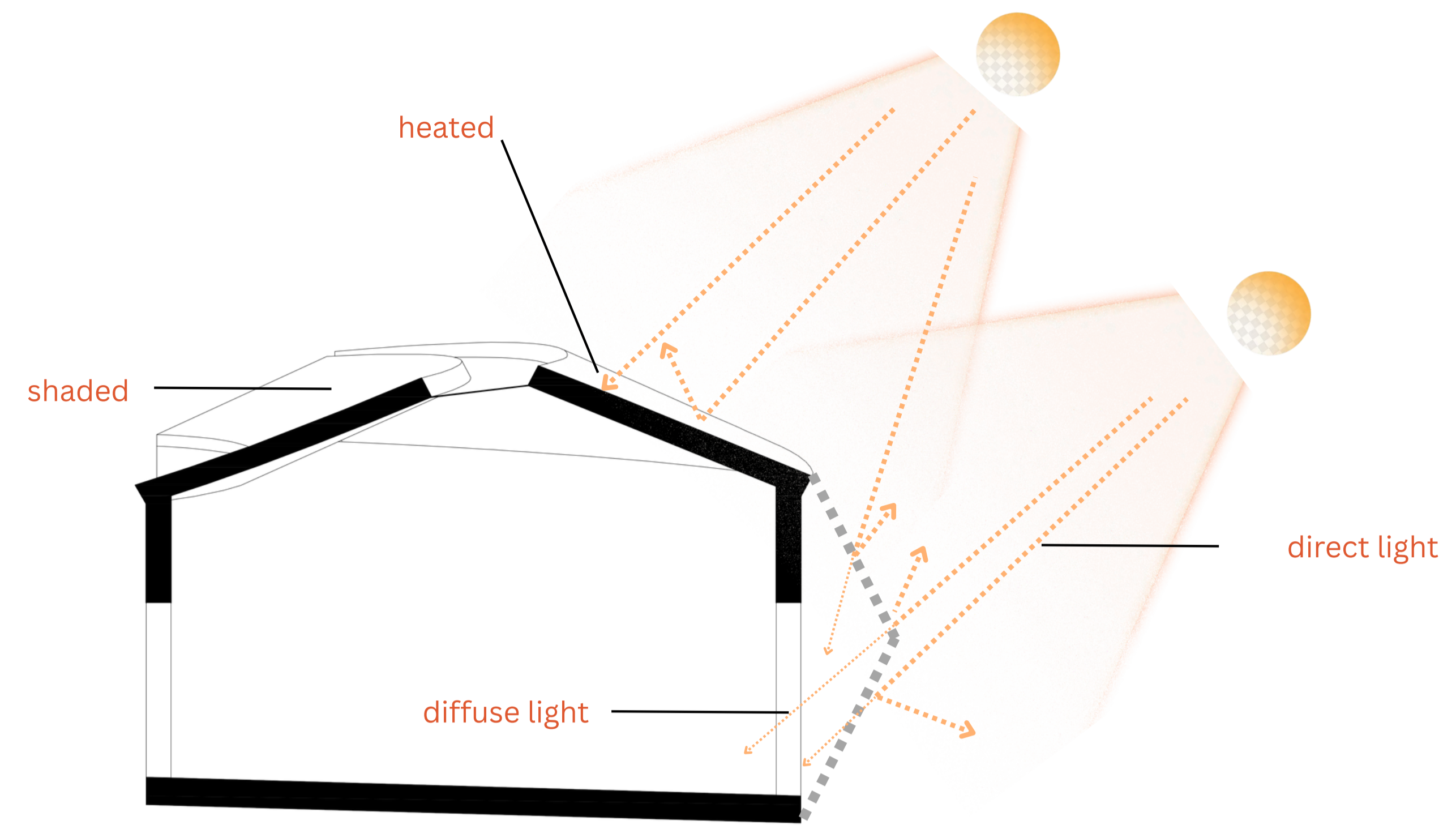
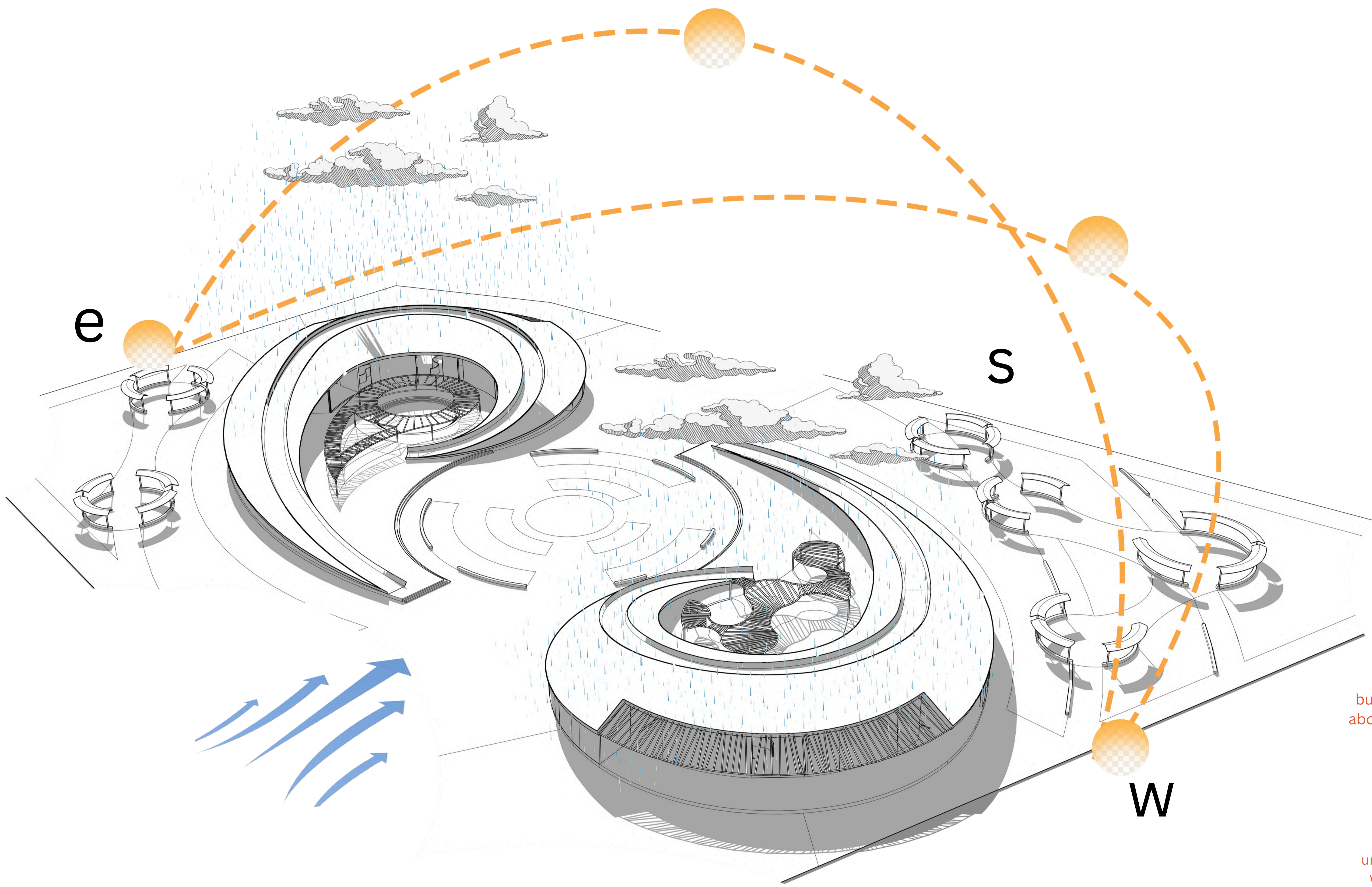


PERSPECTIVE SITE VIEW

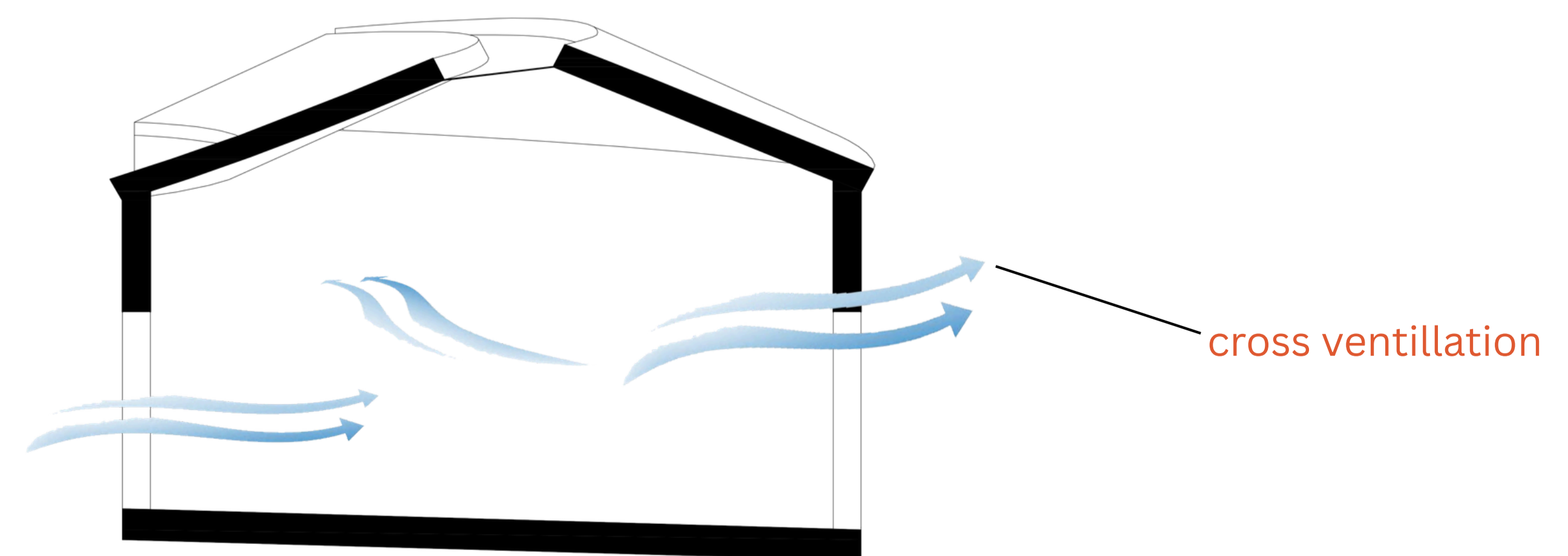




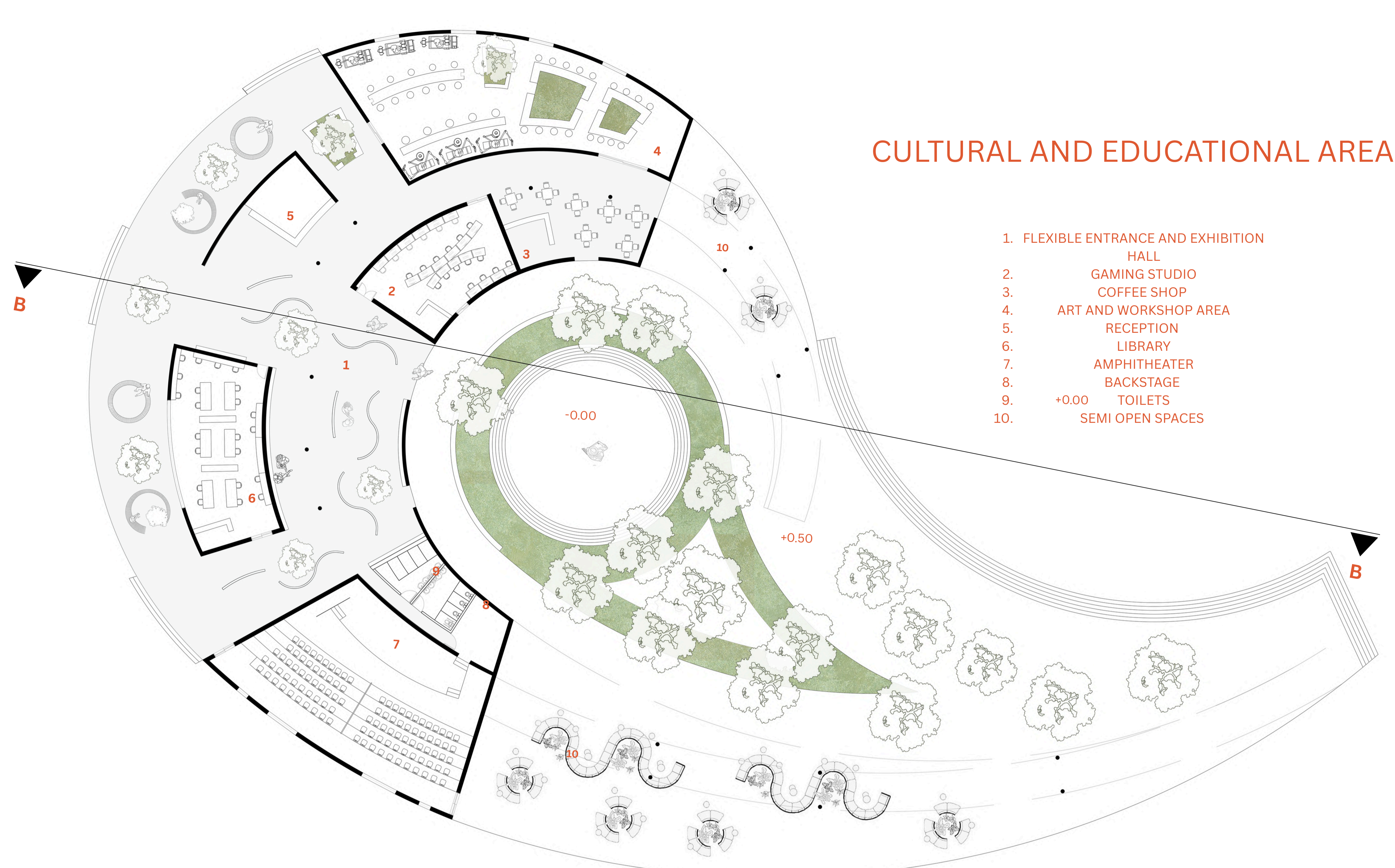
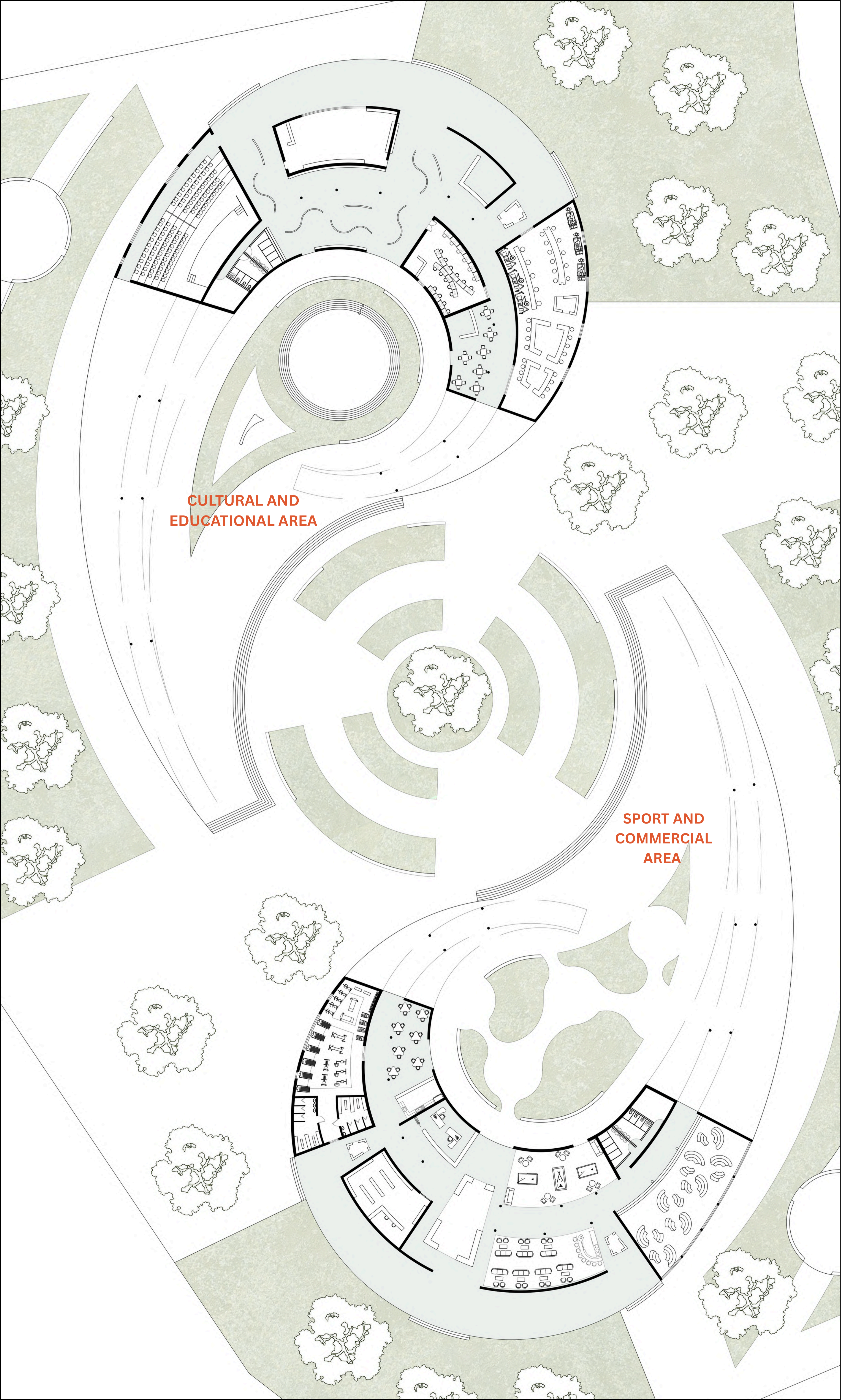
ISOMETRIC SECTION



wind path inside the building

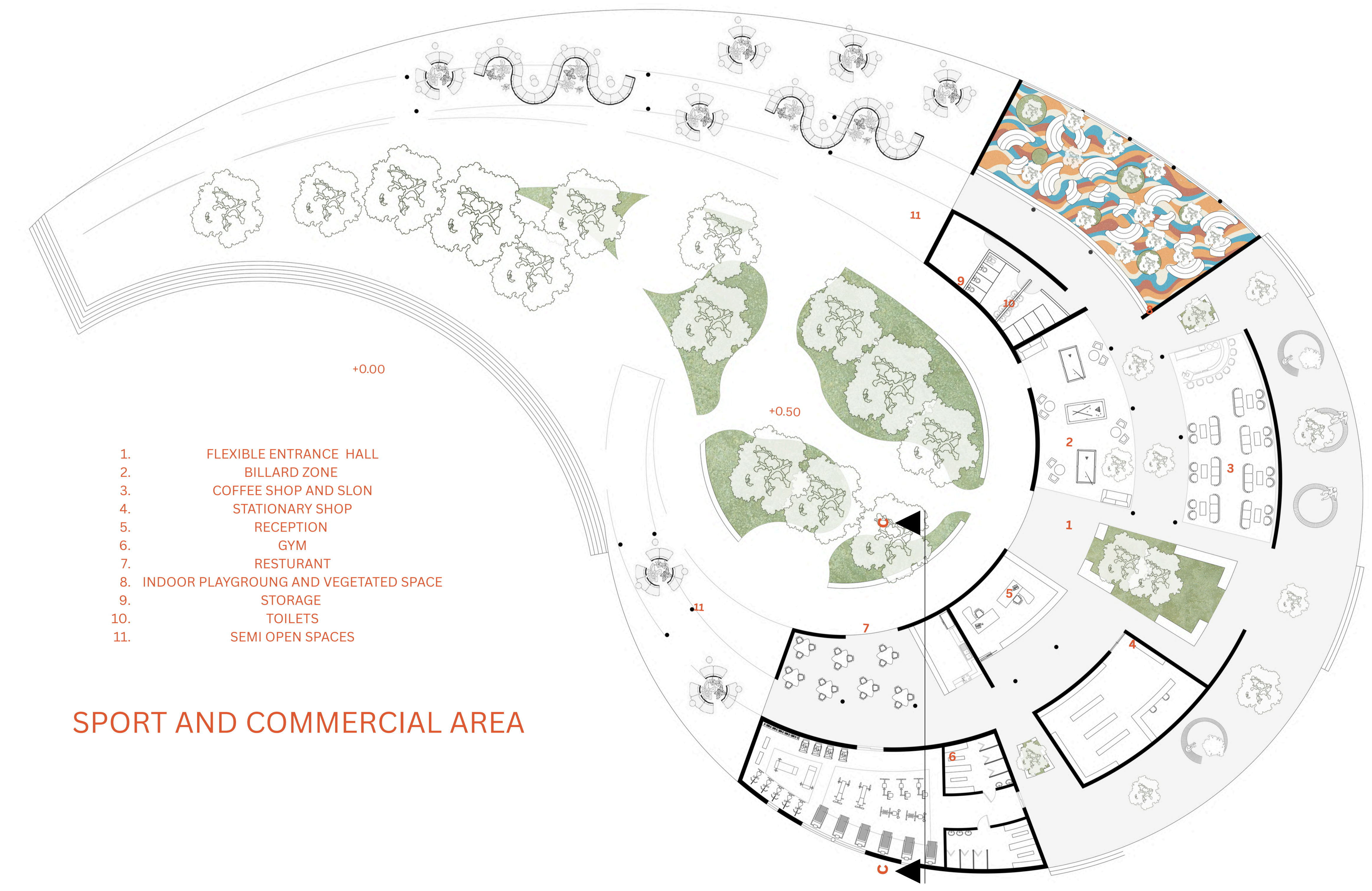


cross ventillation



CULTURAL AND EDUCATIONAL AREA

- 1. FLEXIBLE ENTRANCE AND EXHIBITION HALL
- 2. GAMING STUDIO
- 3. COFFEE SHOP
- 4. ART AND WORKSHOP AREA
- 5. RECEPTION
- 6. LIBRARY
- 7. AMPHITHEATER
- 8. BACKSTAGE
- 9. +0.00 TOILETS
- 10. SEMI OPEN SPACES

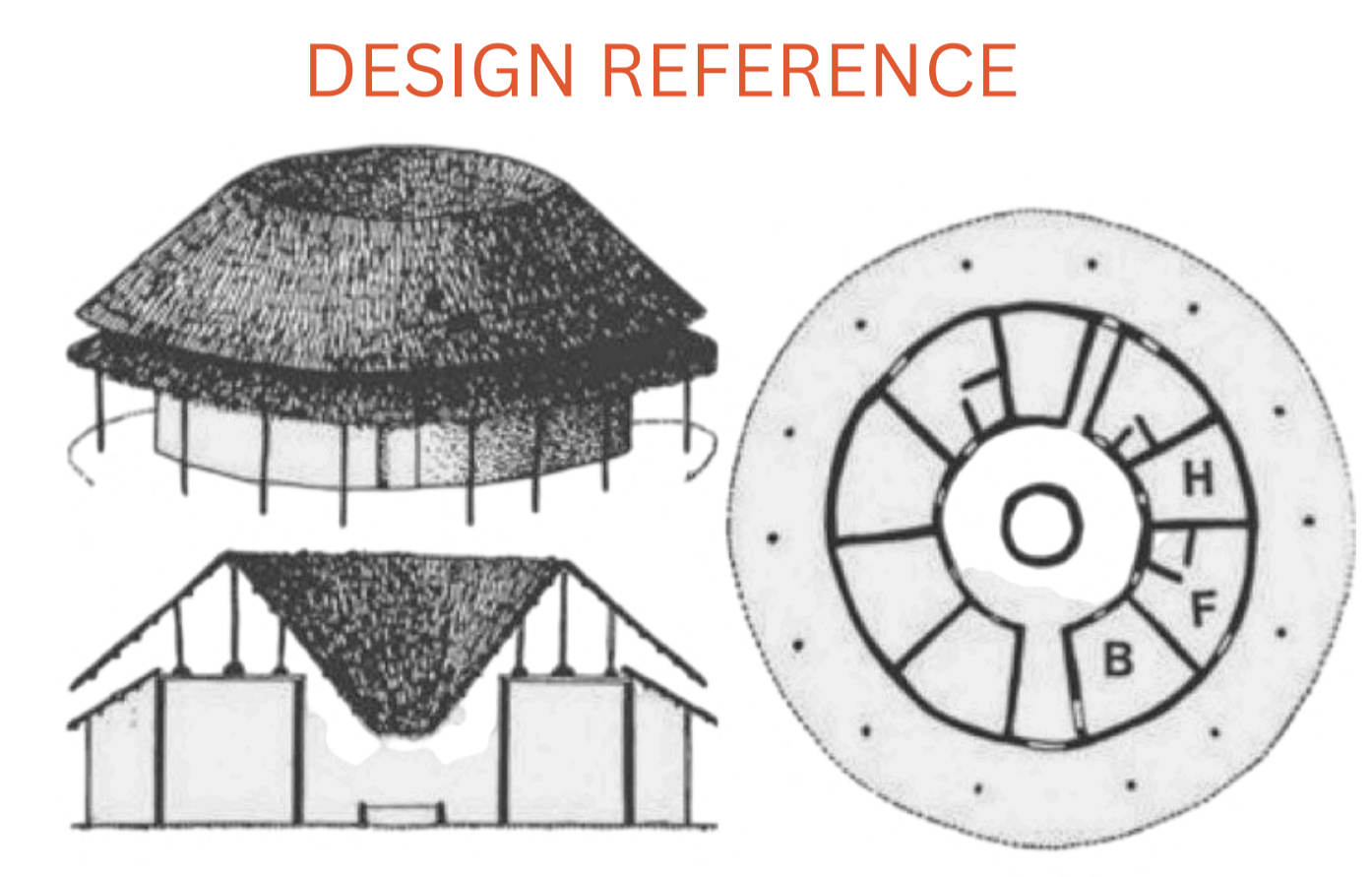
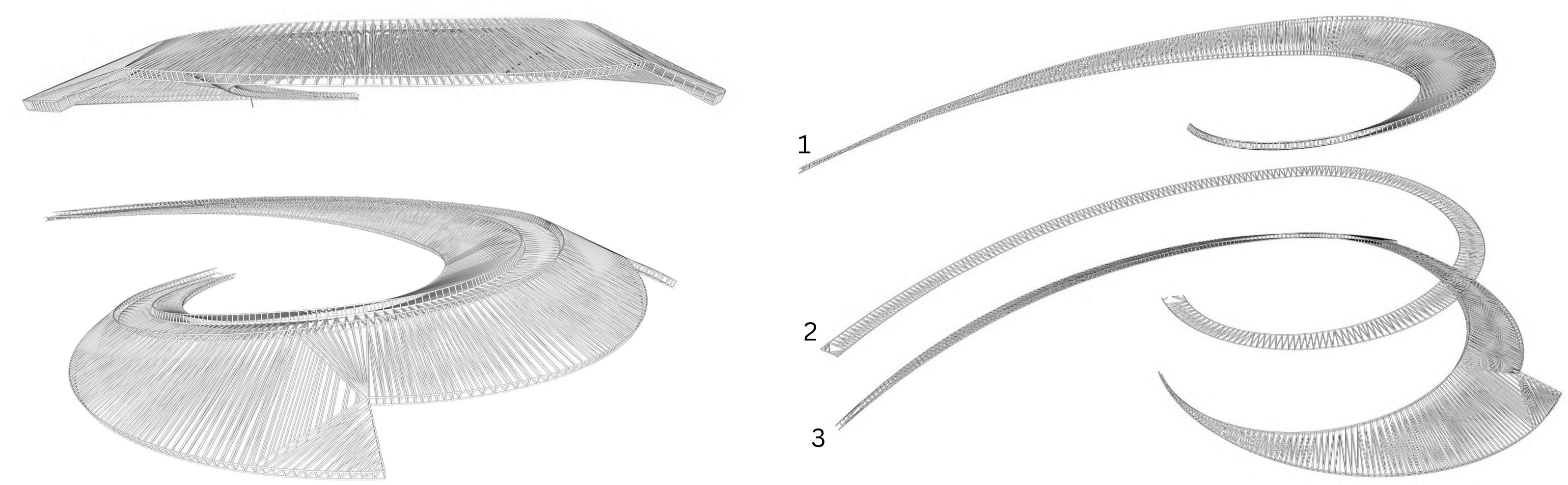
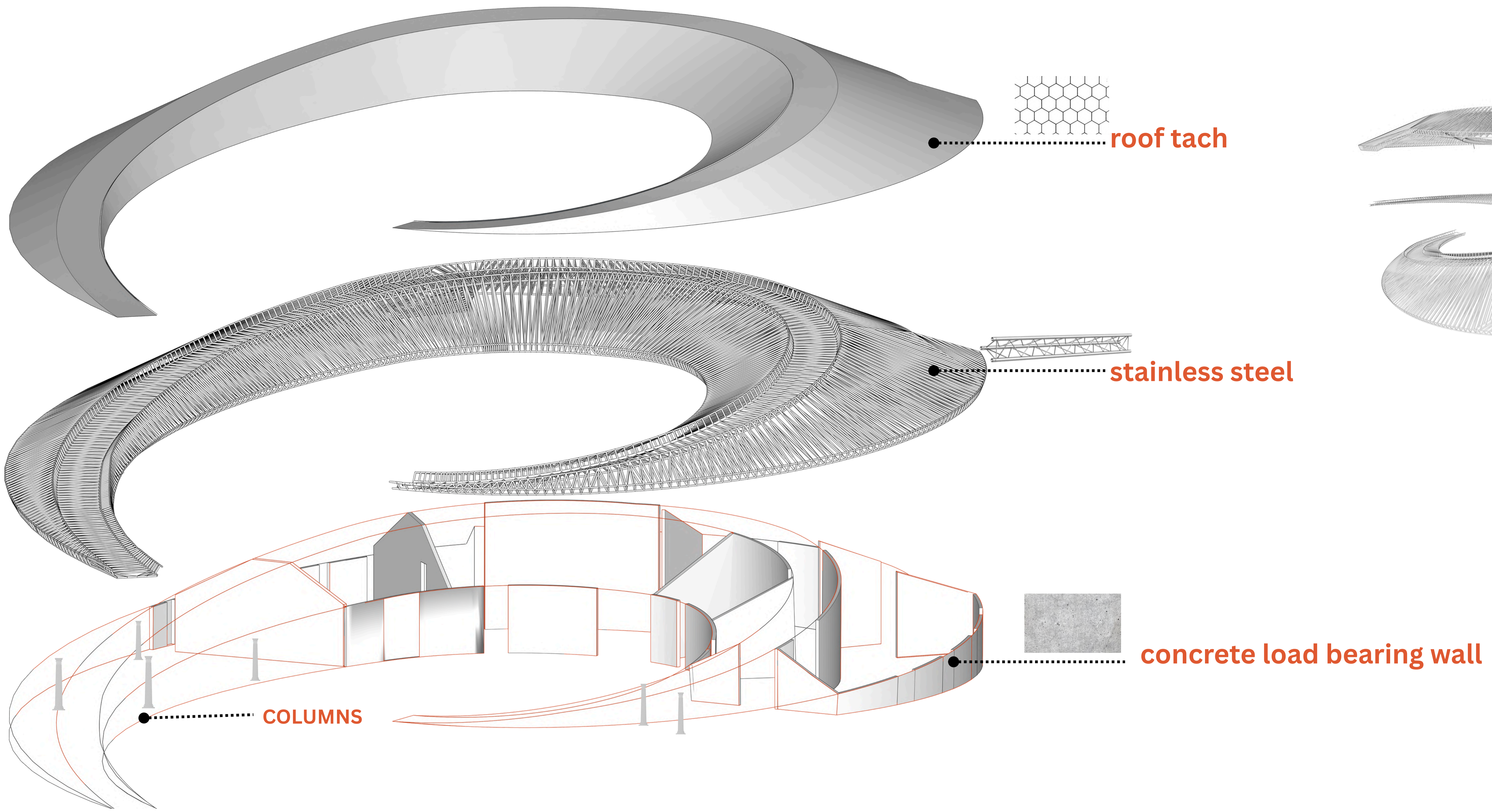


SPORT AND COMMERCIAL AREA

- 1. FLEXIBLE ENTRANCE HALL
- 2. BILLIARD ZONE
- 3. COFFEE SHOP AND SLON
- 4. STATIONARY SHOP
- 5. RECEPTION
- 6. GYM
- 7. RESTURANT
- 8. INDOOR PLAYGROUND AND VEGETATED SPACE
- 9. STORAGE
- 10. TOILETS
- 11. SEMI OPEN SPACES

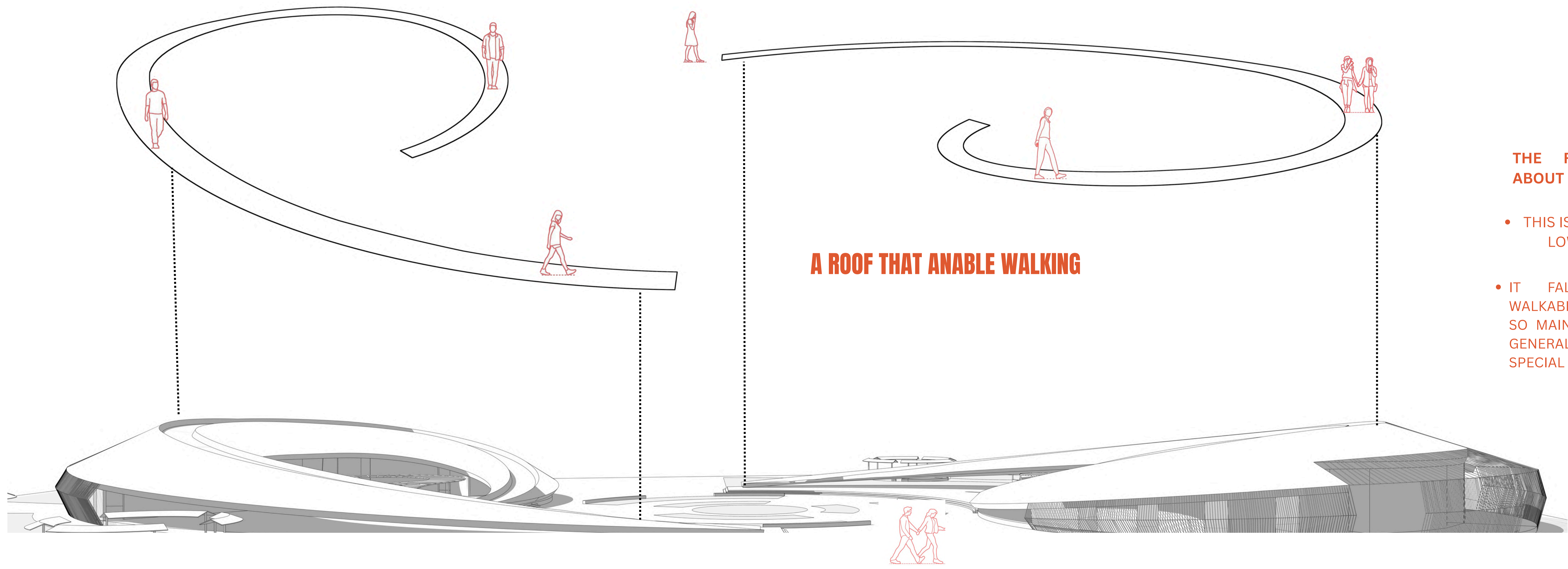


SRTUCTURAL DIAGRAM



past value as a technical lesson

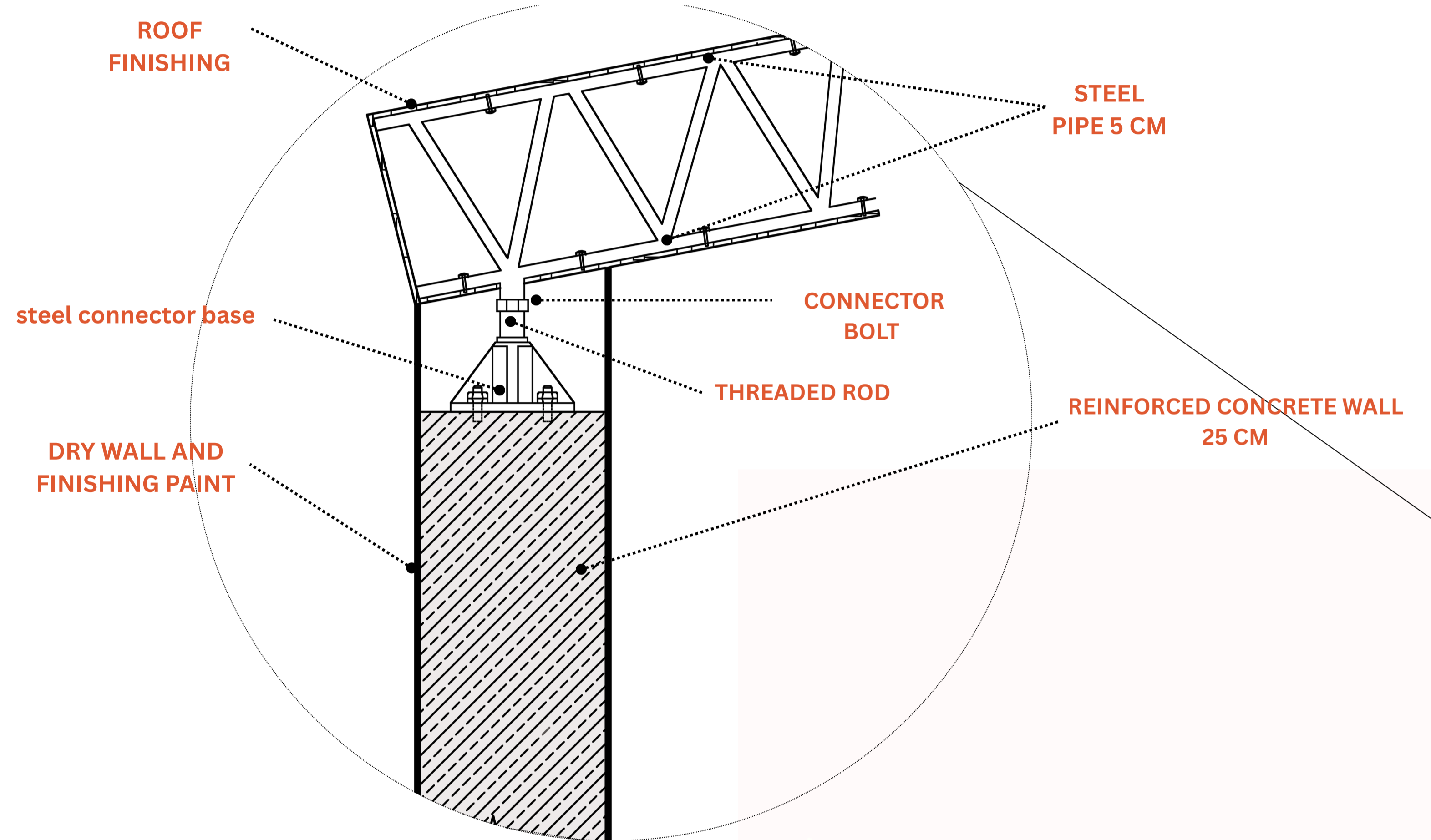
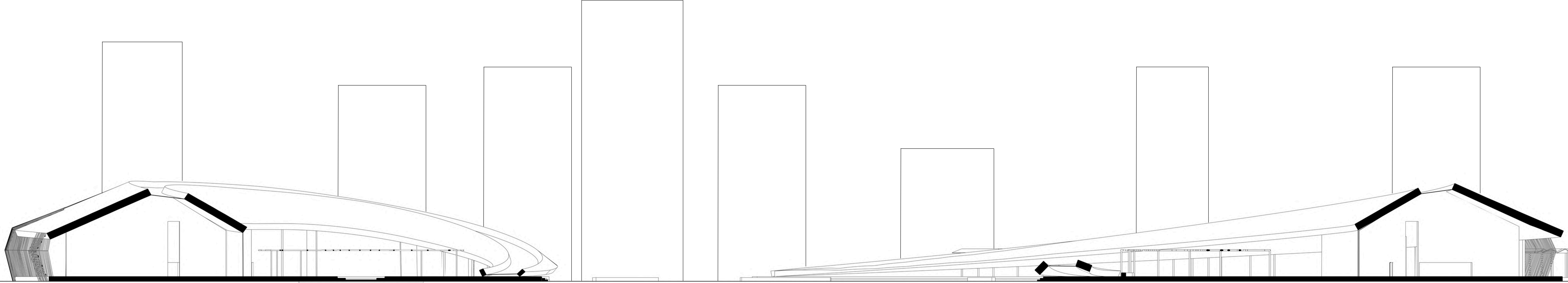
THE BUILDING BASIC STRUCTURE IS A MIX OF REINFORCED CONCRETE LOAD BEARING WALL AND COLUMNS, THAT ANABLE IT TO SUPPORT THE STEEL TRUSSES ROOF LOAD. IT FOLLOW THE IMPLUVIUM HUT STRUCTURAL LOGIC.



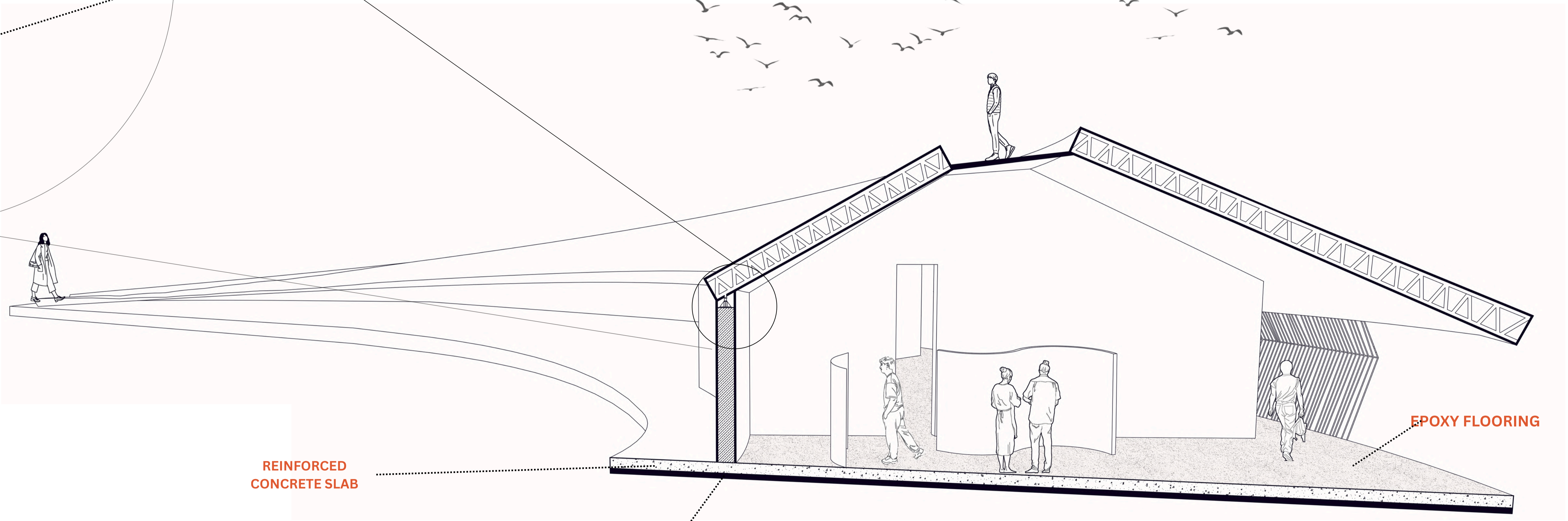
THE ROOF SLOPE IS ABOUT 10.3%

- THIS IS CONSIDERED AS A LOW-SLOPE ROOF.
- IT FALLS WITHIN THE WALKABLE RANGE (≈9-18%), SO MAINTENANCE ACCESS IS GENERALLY SAFE WITHOUT SPECIAL EQUIPMENT

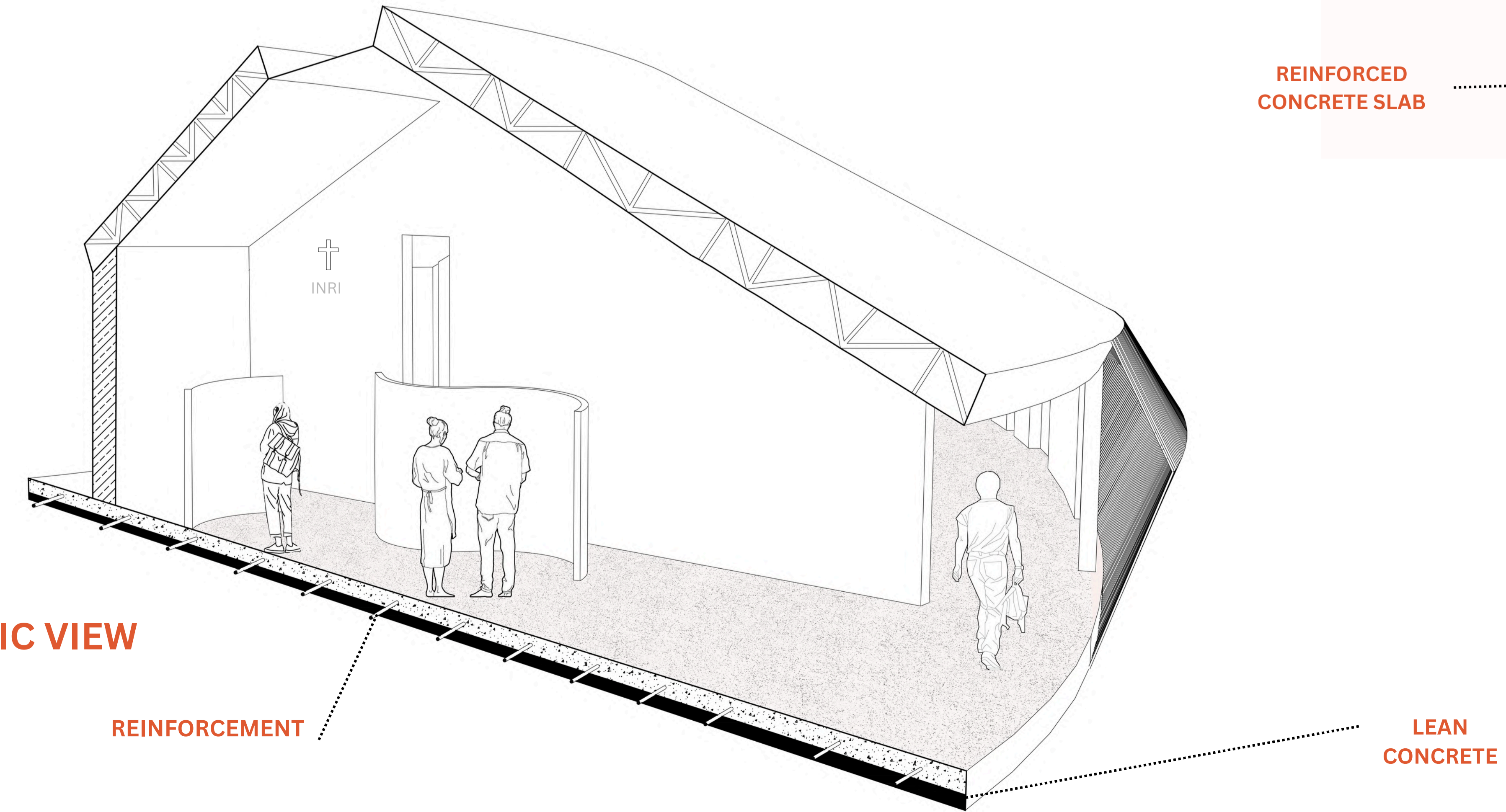




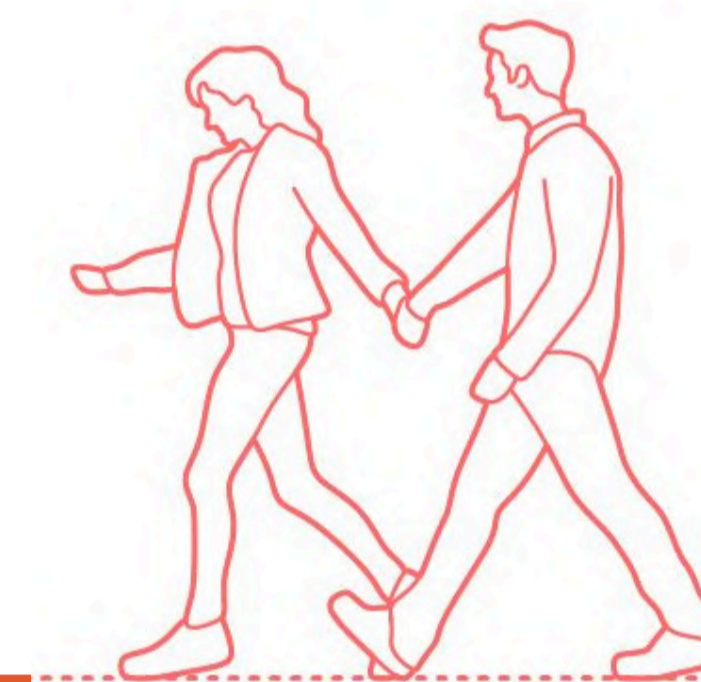
SECTION DETAIL 1/50

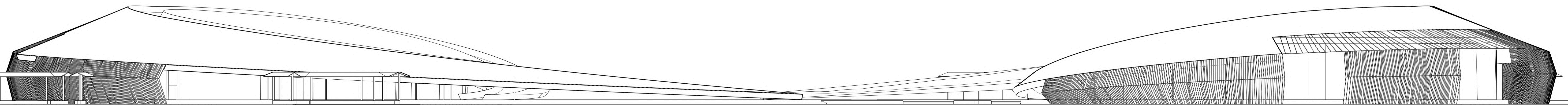
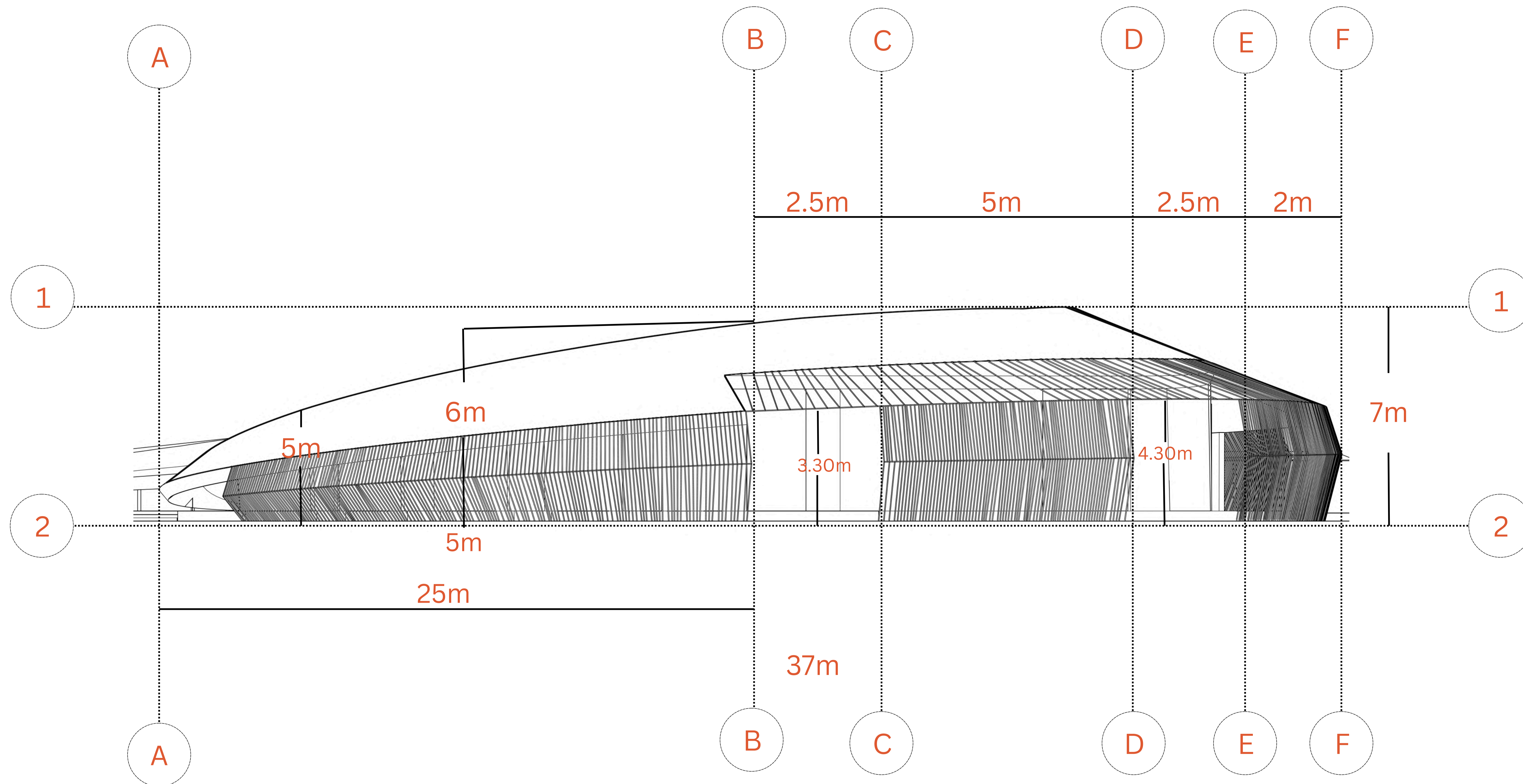


SECTION B-B 1/100



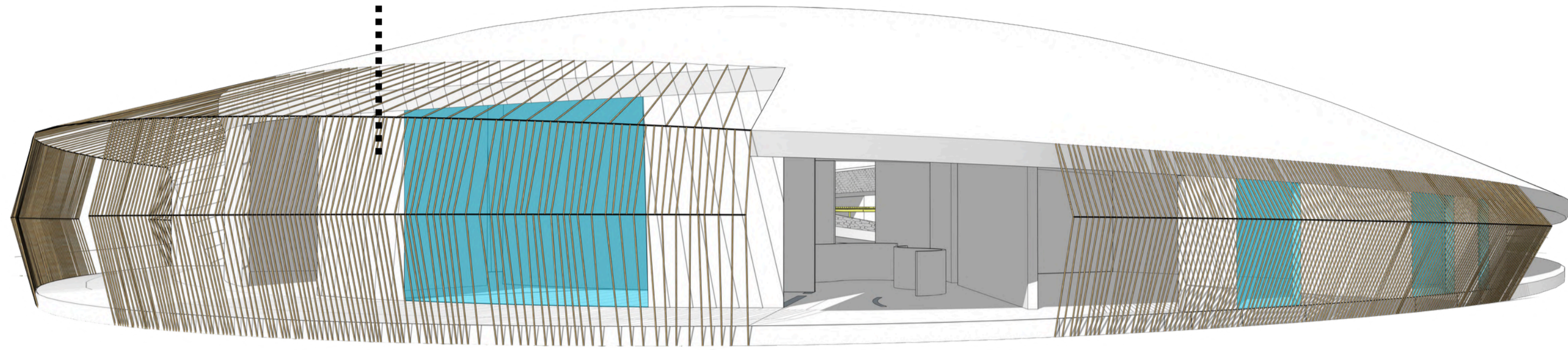
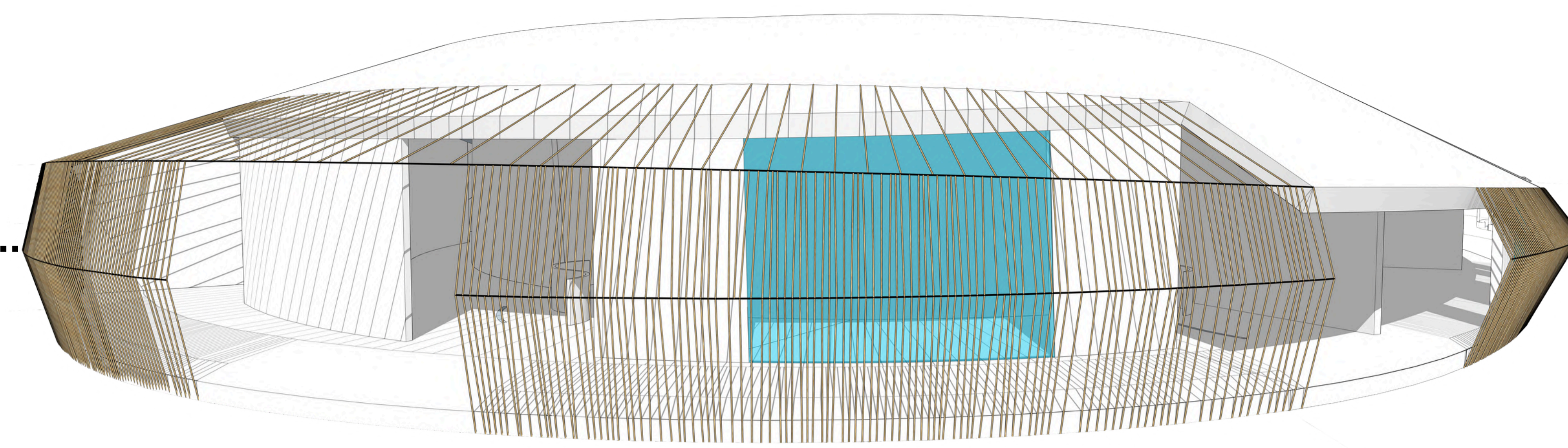
ISOMETRIC VIEW





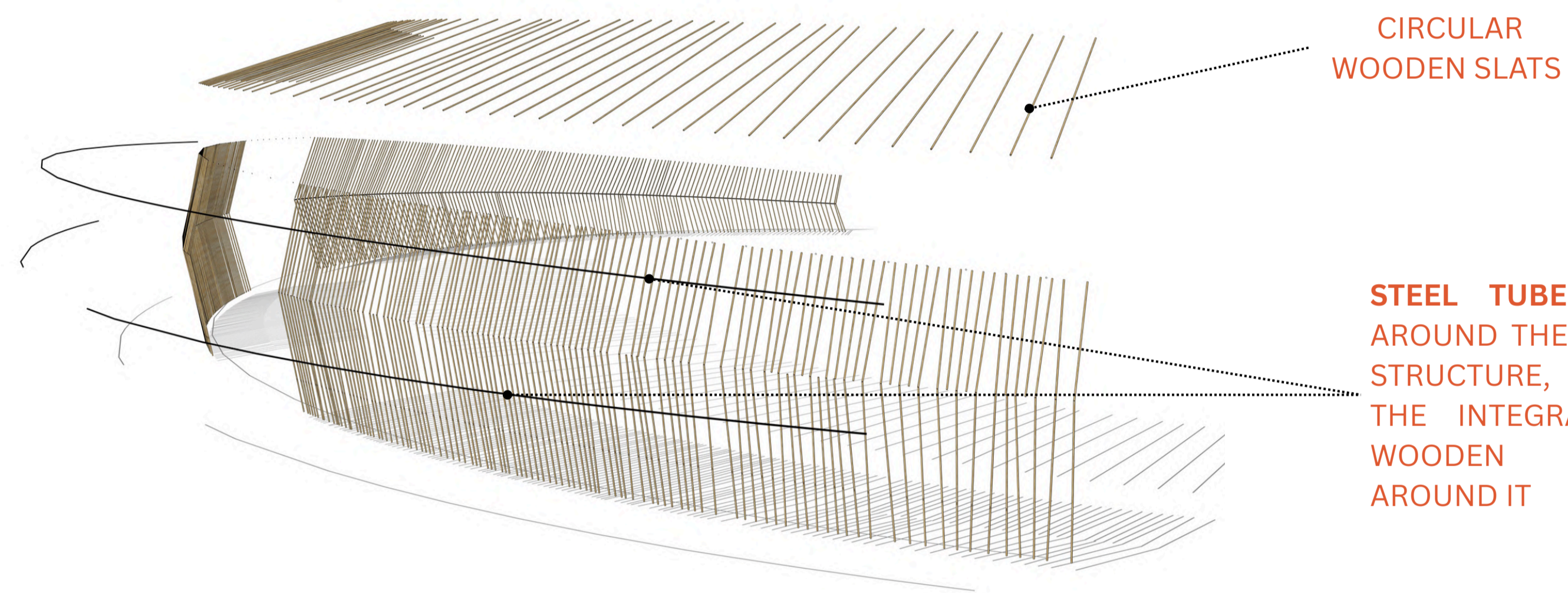
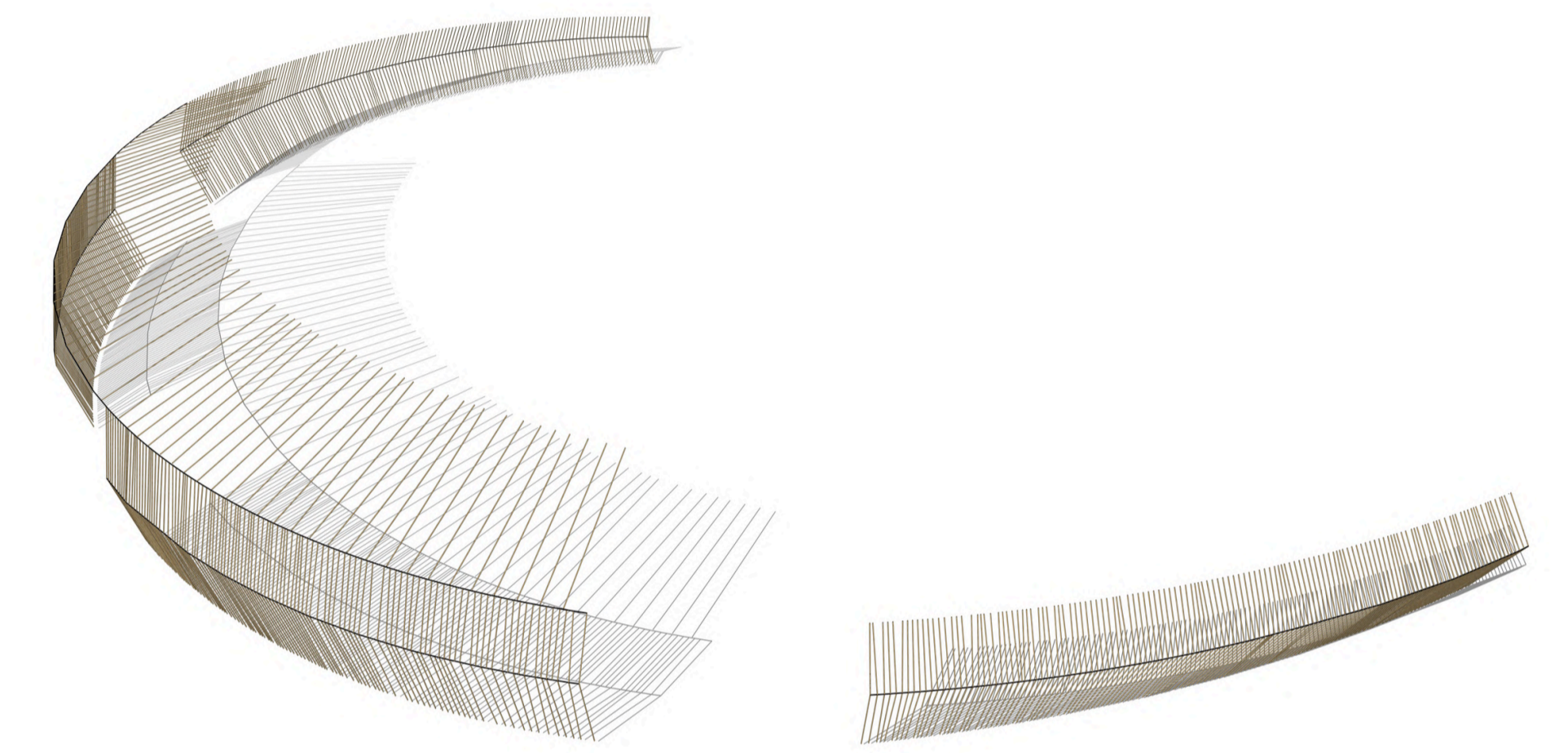
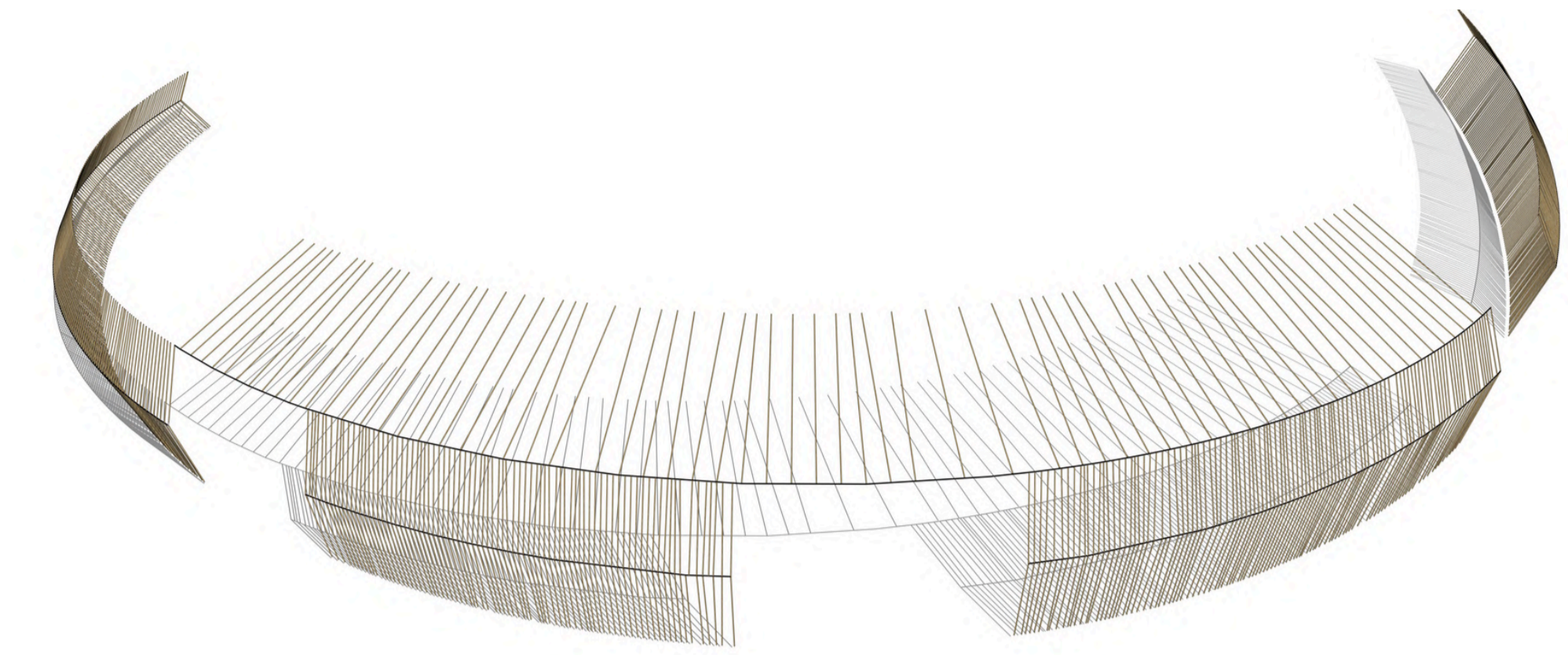
FACADE CONCEPT

WOODEN SLAT FACADE



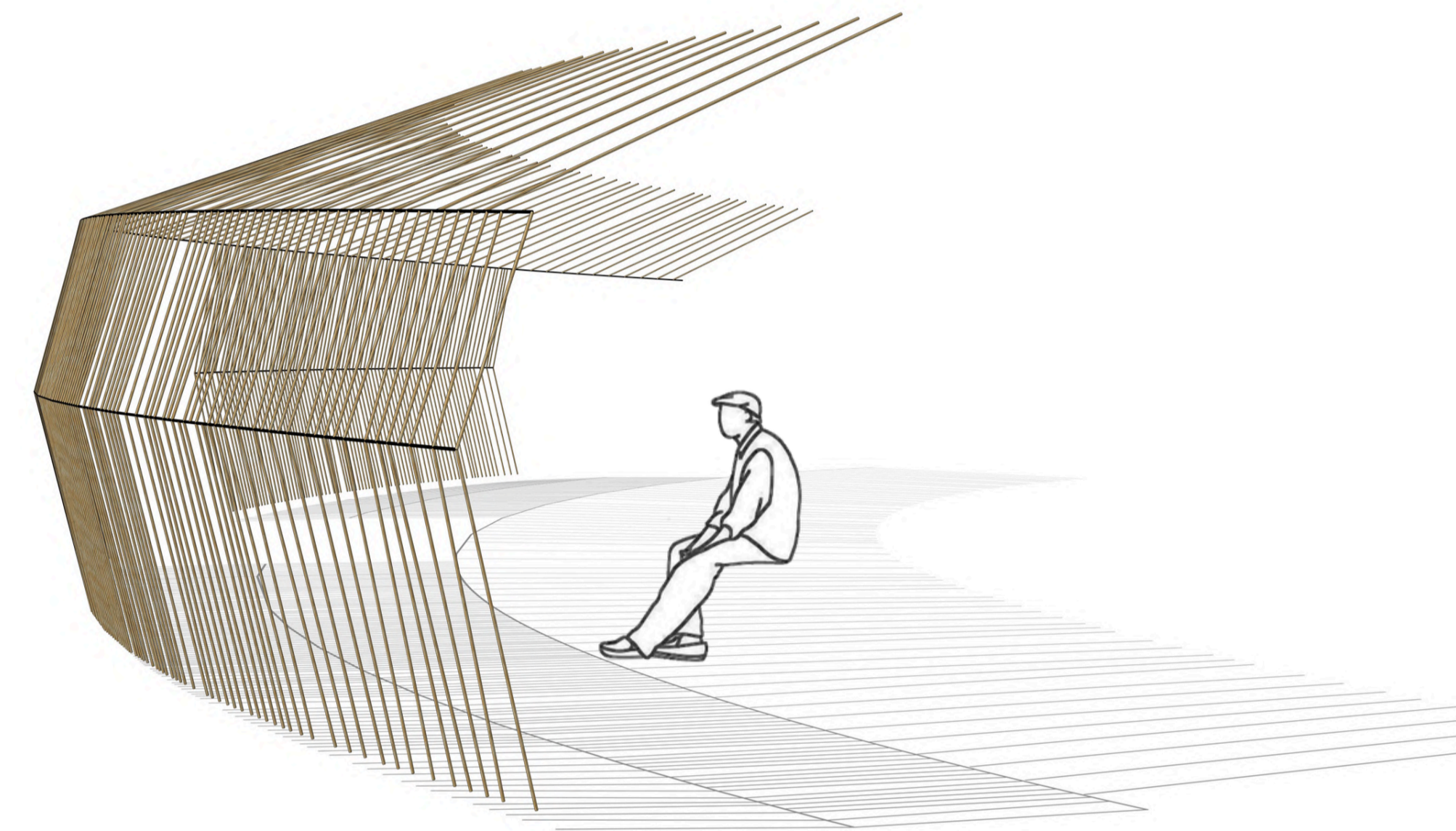
SLATS GEOMETRY: CIRCULAR WOODEN SLATS

INSTEAD OF THE RIGID, LINEAR RHYTHM OF STRAIGHT SLATS, CIRCULAR OR CURVED SLATS INTRODUCE A MORE ORGANIC, FLUID FEEL TO THE FAÇADE.



CIRCULAR WOODEN SLATS

STEEL TUBE FORMED AROUND THE BUILDING STRUCTURE, ALLOWING THE INTEGRATION OF WOODEN SLATS AROUND IT



1 NATURAL ATMOSPHERE

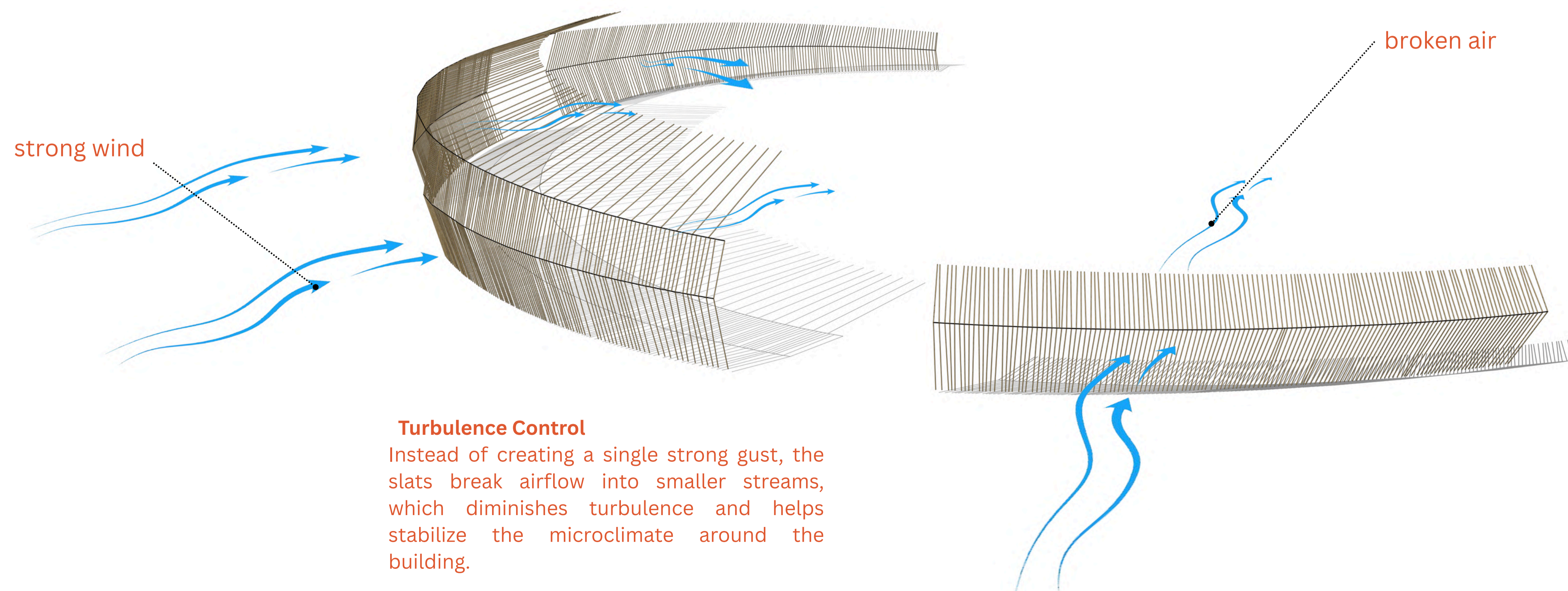
THE WARM TONES OF WOOD COMBINED WITH FILTERED LIGHT ADD A NATURAL, CALMING QUALITY TO INTERIORS. THIS EFFECT IS USED INTO FOSTER A WELCOMING ENVIRONMENT

2 DYNAMIC PATTERNS

AS THE SUN MOVES, SLATS CAST CHANGING SHADOWS AND STRIPES ACROSS WALLS AND FLOORS. THIS CREATES A SENSE OF RHYTHM AND MOVEMENT, ENRICHING THE SPATIAL EXPERIENCE AND CONNECTING OCCUPANTS TO THE PASSAGE OF TIME.

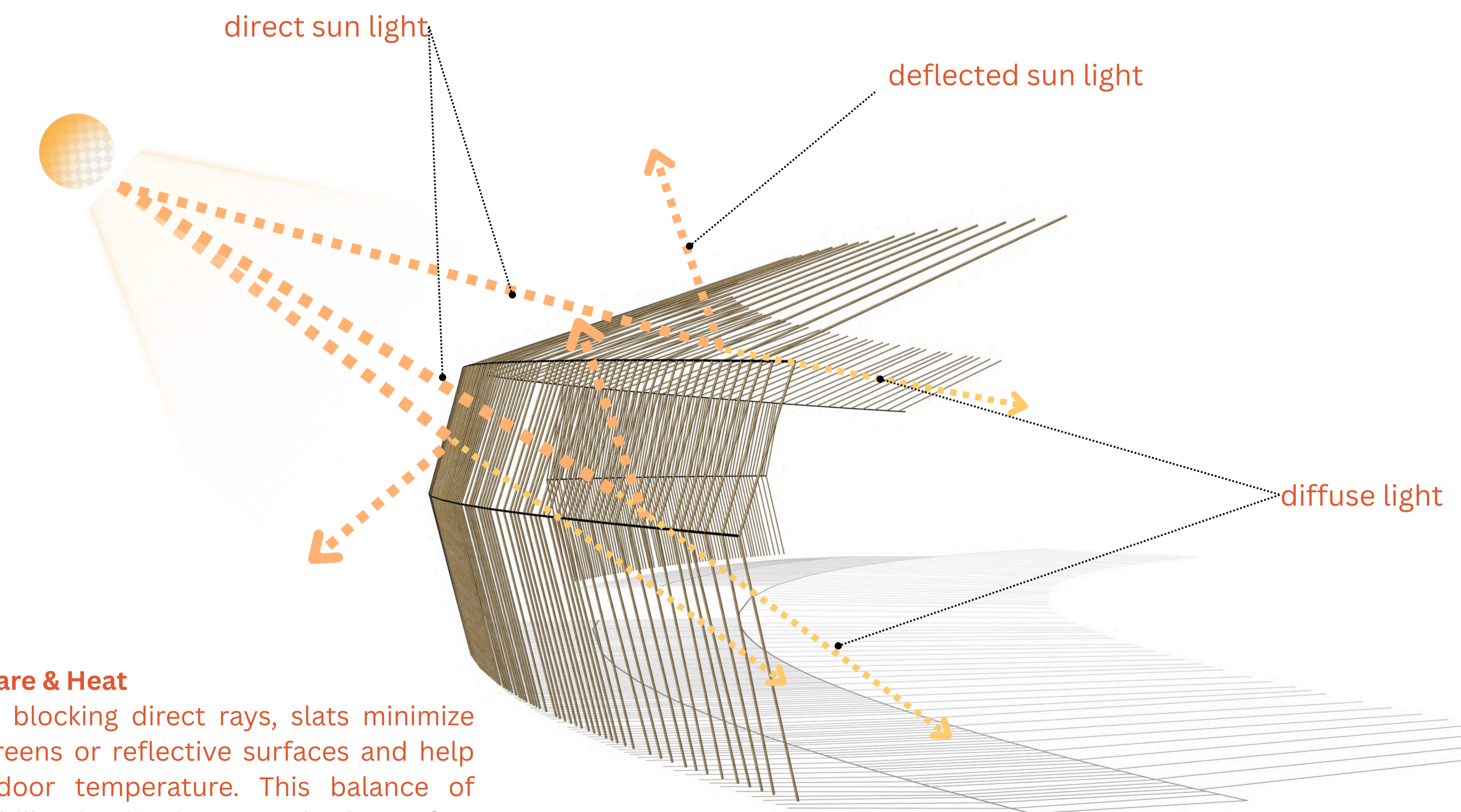
3 DIFFUSION & SOFTNESS

WOODEN SLATS BREAK DIRECT SUNLIGHT INTO SMALLER STREAMS, PRODUCING A GENTLE, AMBIENT GLOW RATHER THAN HARSH BEAMS. THIS MAKES SPACES MORE COMFORTABLE FOR ACTIVITIES LIKE READING, WORKING, OR EXHIBITIONS.



Turbulence Control

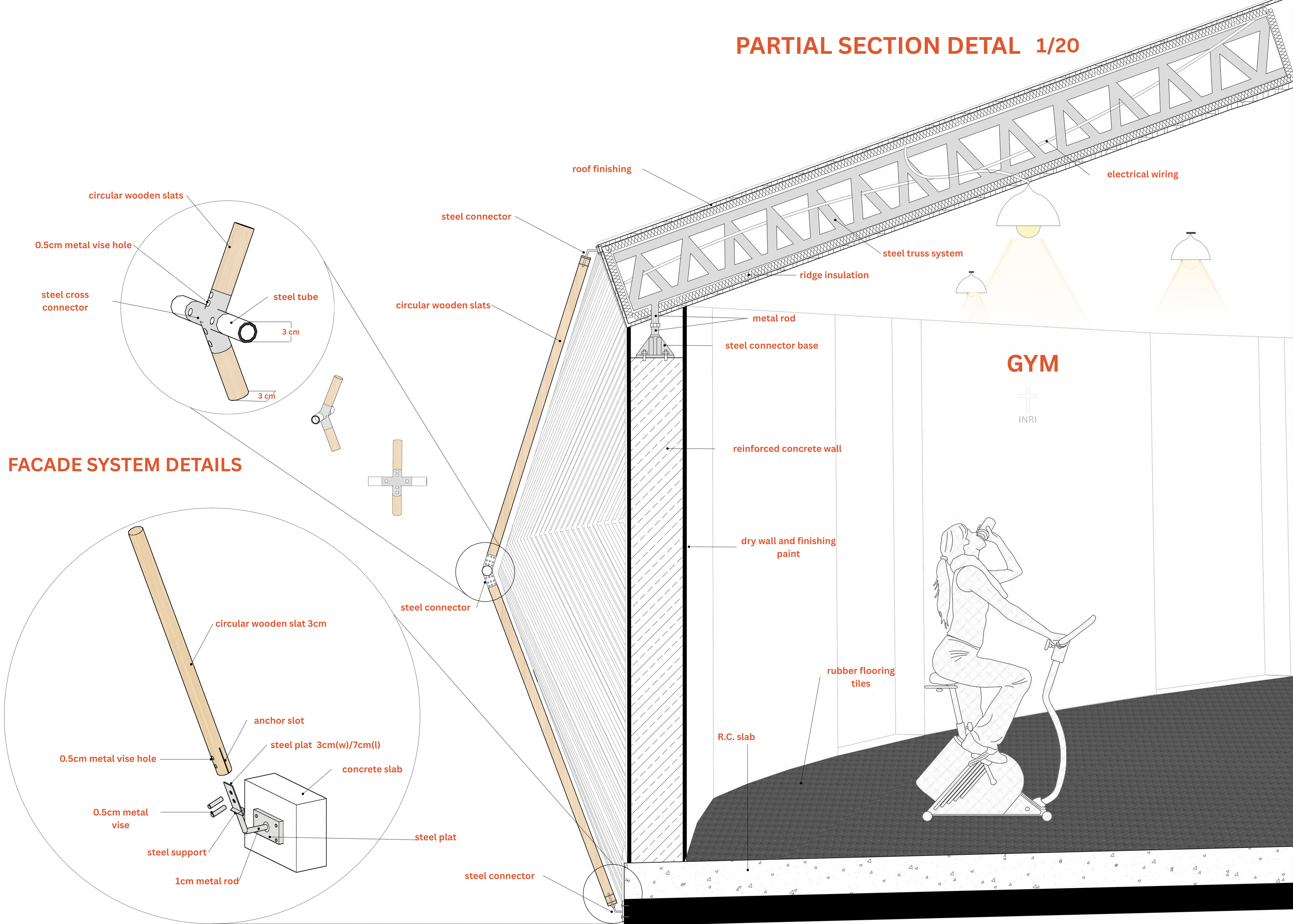
Instead of creating a single strong gust, the slats break airflow into smaller streams, which diminishes turbulence and helps stabilize the microclimate around the building.

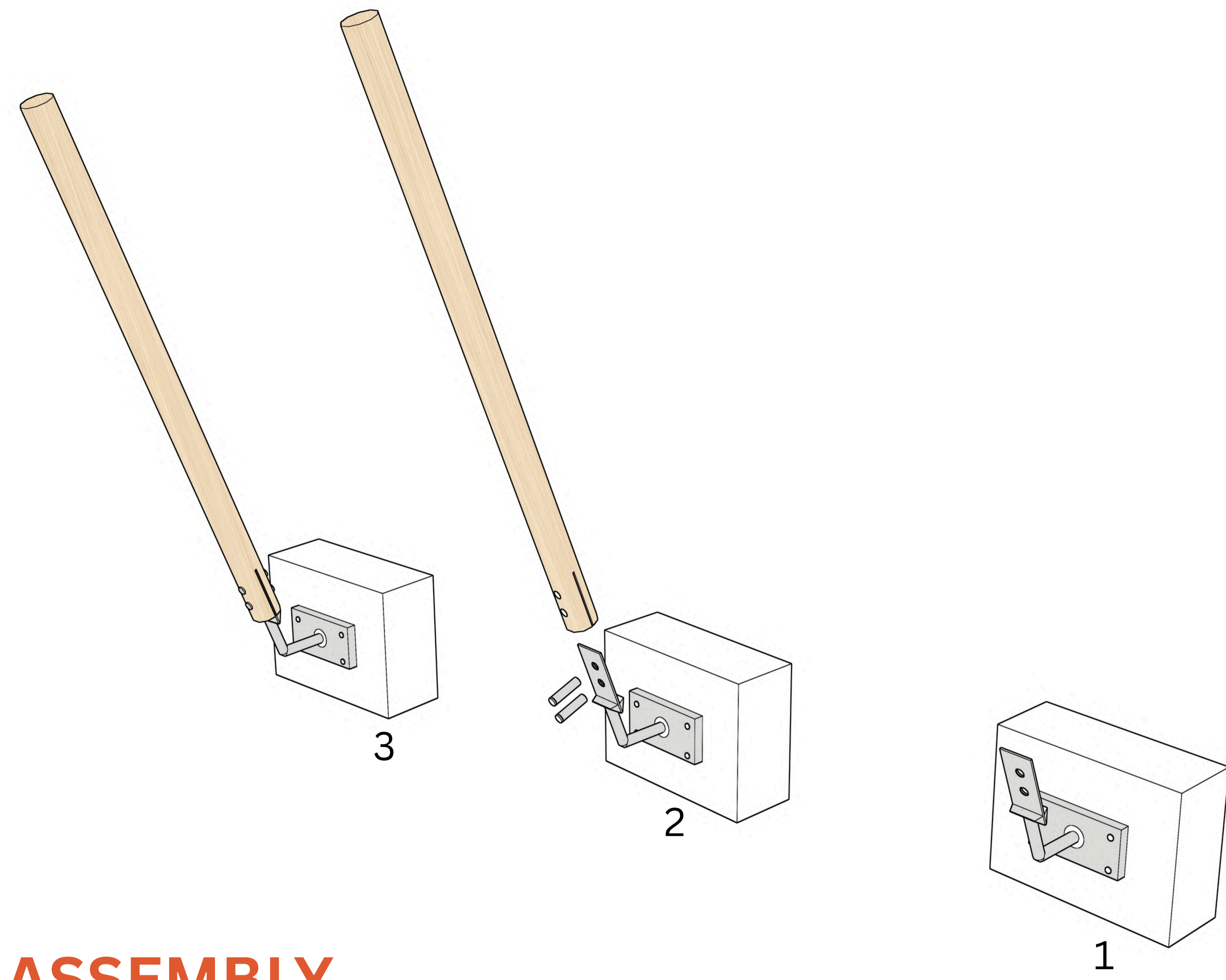
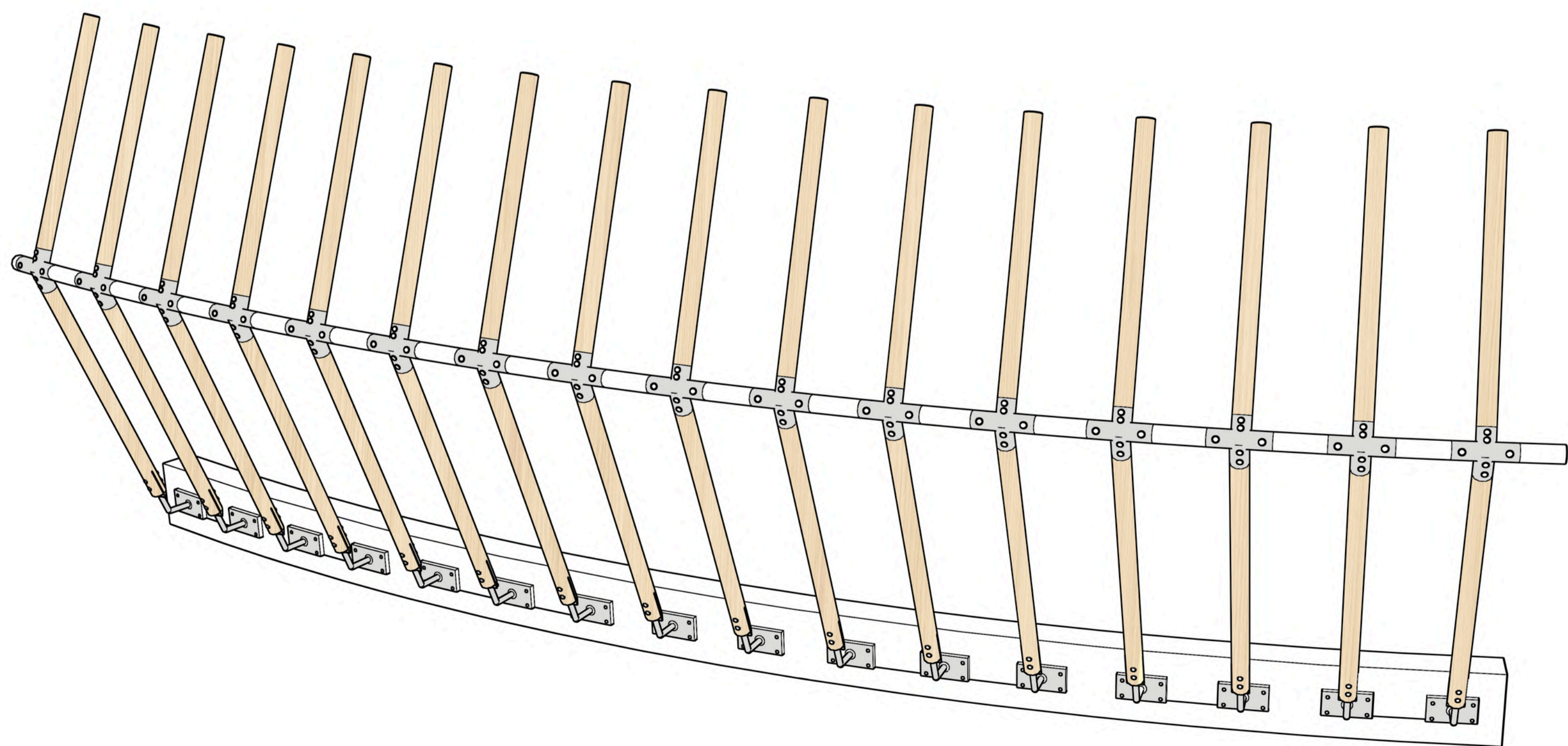
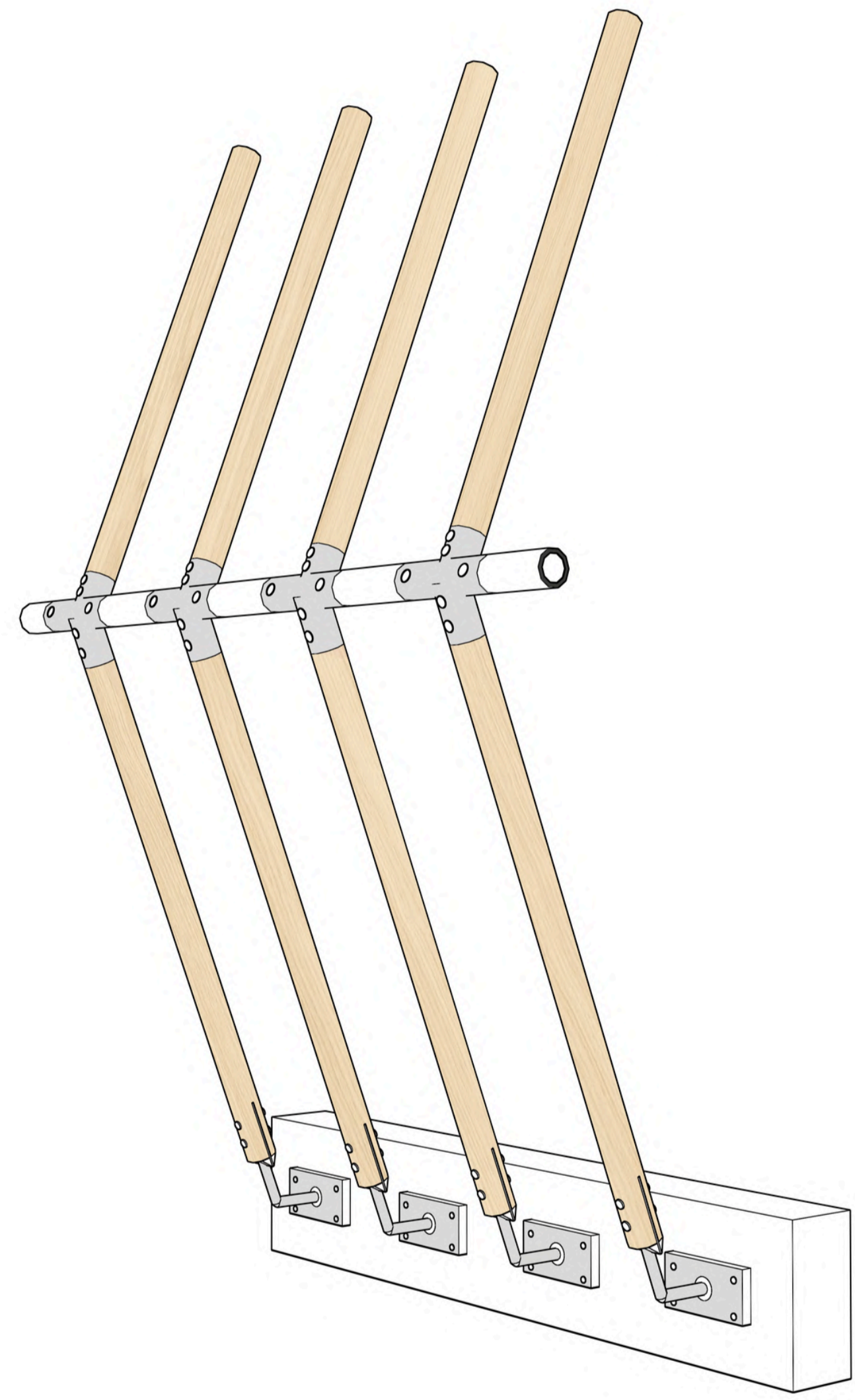
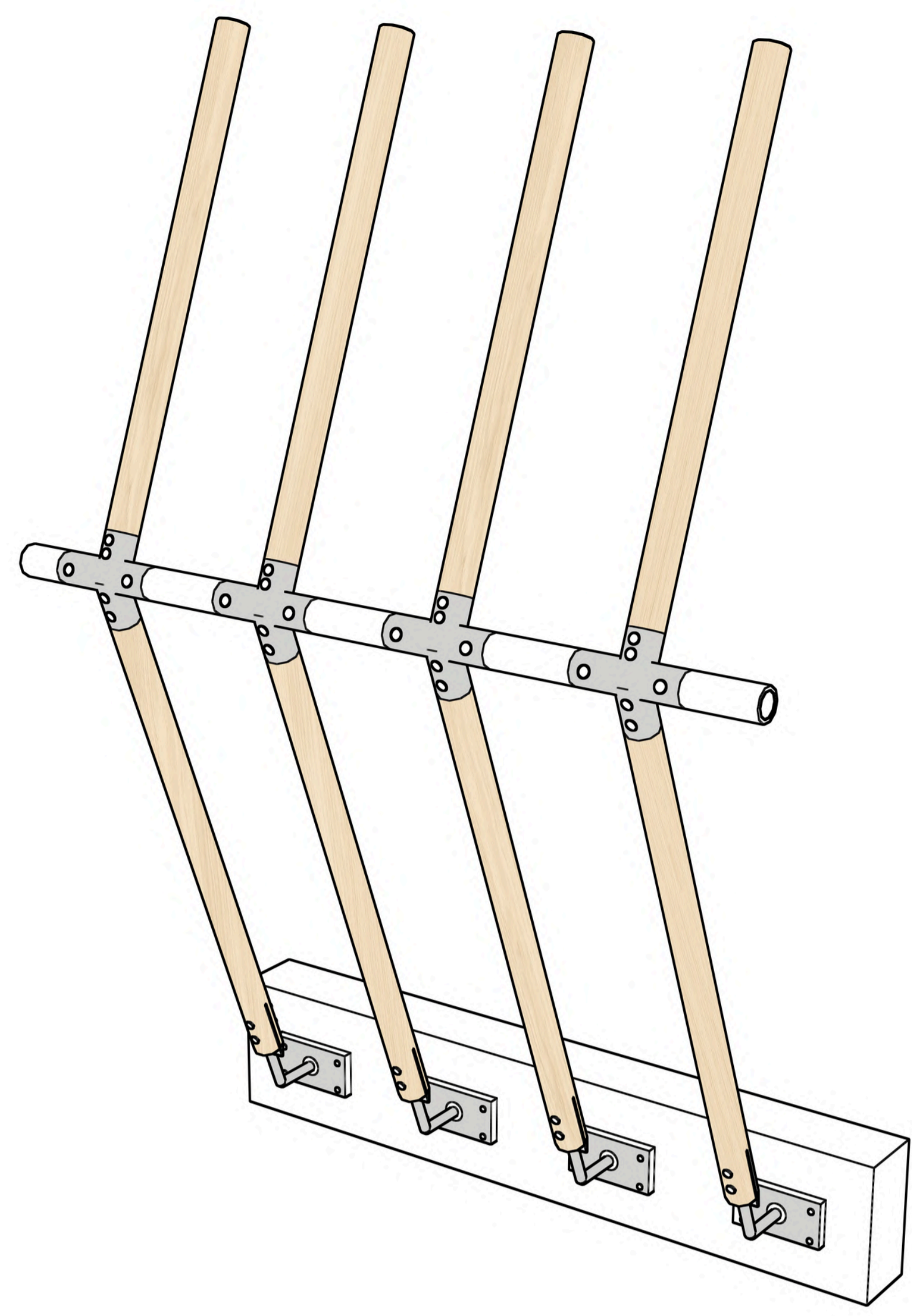


Reduced Glare & Heat

By partially blocking direct rays, slats minimize glare on screens or reflective surfaces and help regulate indoor temperature. This balance of shading and illumination improves both comfort and energy efficiency

PARTIAL SECTION DETAIL 1/20





ISOMETRIC ASSEMBLY

