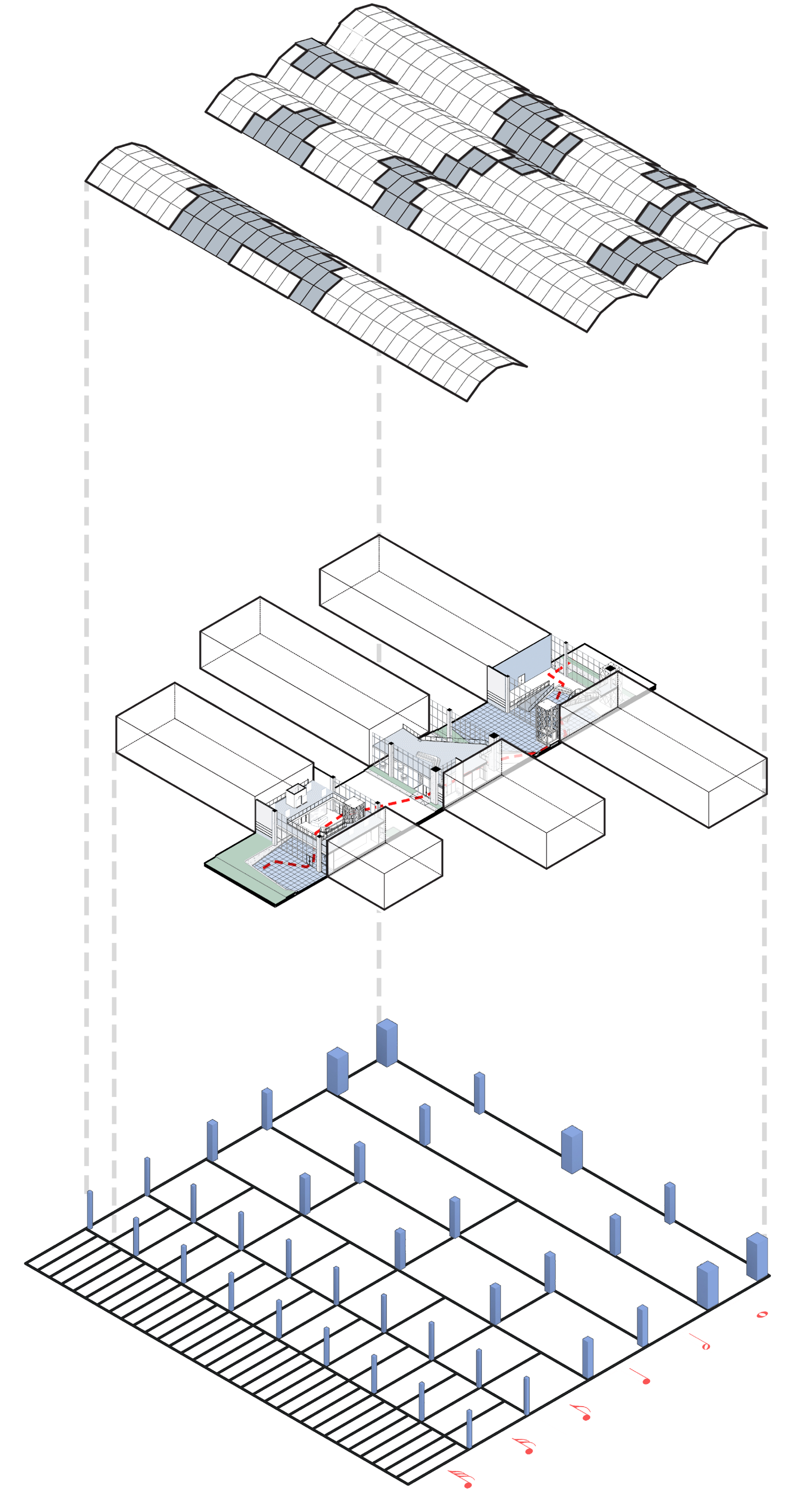


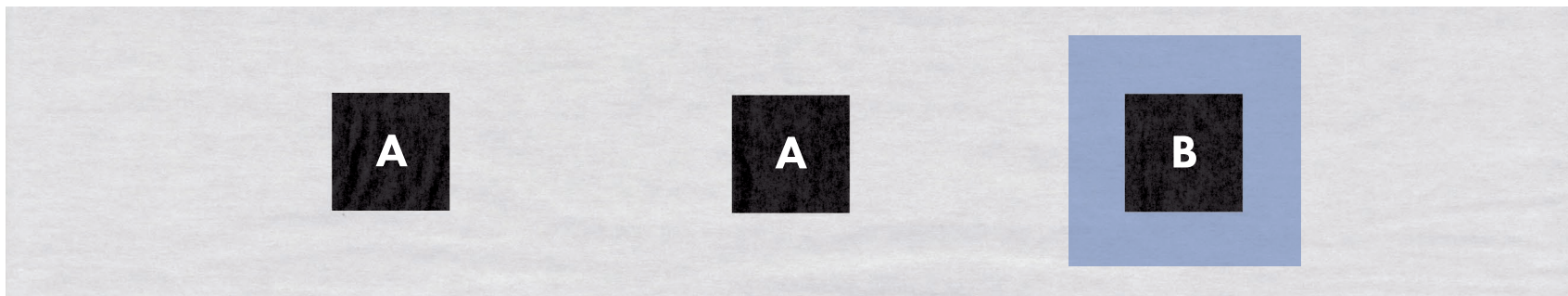
MERIDIAN MUSEUM + SCHOOL OF MUSIC

NOAH TERRY

The design of the Museum + School of Music extends the fundamentals of music through movement, structure, and space to create a complete concept that links the entire site to the user experience. The site is broken into a linear, back and forth relationship between user and building which originates from the AAB song structure that Jimmie Rodgers popularized, in which there is a play between the instrument and voice of a singer. The Glulam cylindrical space frame roof is split using the site divisions and works in tandem with the ground plane to create a unified and hybrid site. The roof is structured from the musical method of tension and resolve. As you pass over the bridge, you see a panelized roof with instances of timber showing through, and as you enter the space, the tension is resolved with a full view of the above structure. The combination of these elements create a versatile and open project that can serve many purposes for the people of Meridian.



SITE LAYOUT AND TRANSVERSE CIRCULATION DIAGRAM



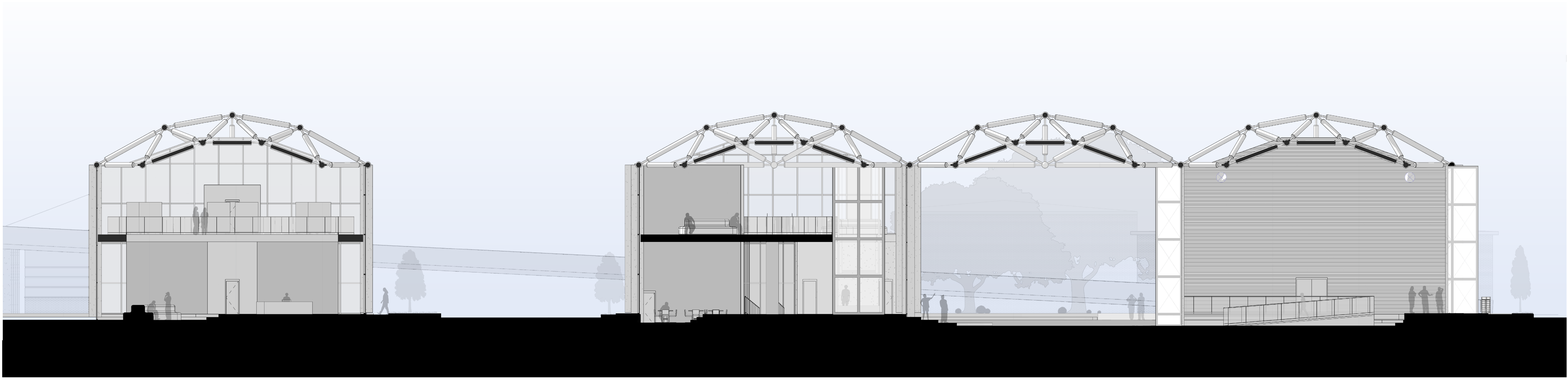
AAB SITE ORGANIZATION DIAGRAM



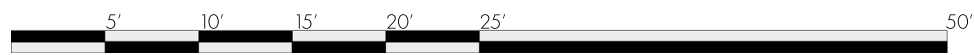
SITE PLAN



SECTION + PERSPECTIVE RENDER



TRANSVERSE SECTION - 1





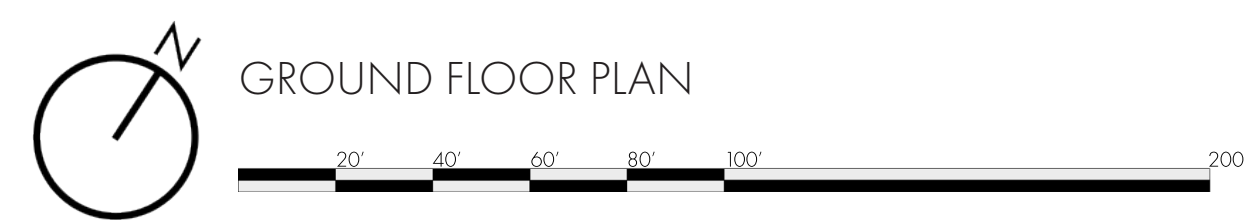
MAIN ENTRANCE AND LOBBY OF PERFORMANCE BUILDING



NORTHEAST ENTRANCE OF PERFORMANCE BUILDING

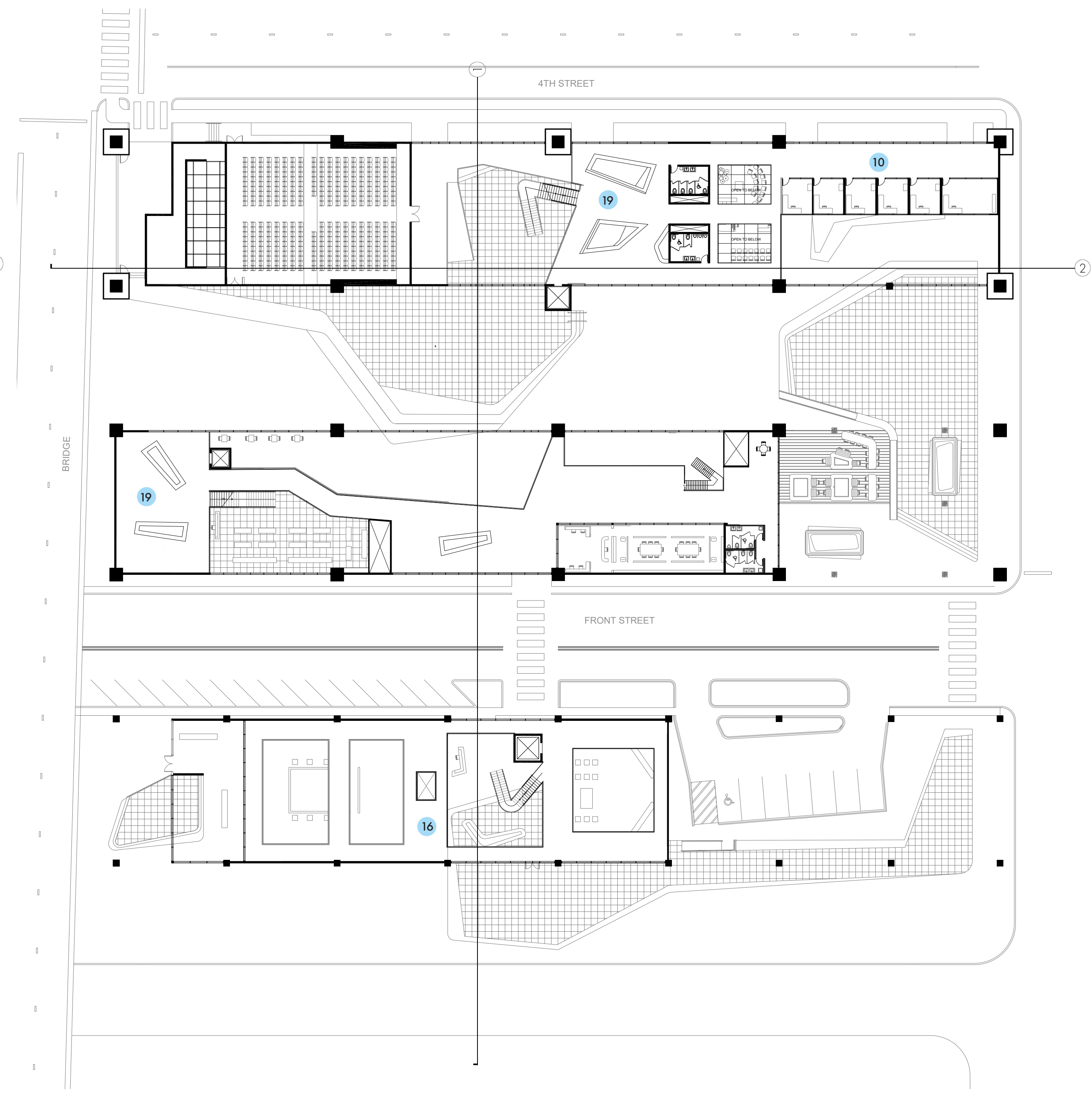


MUSEUM LOBBY SPACE

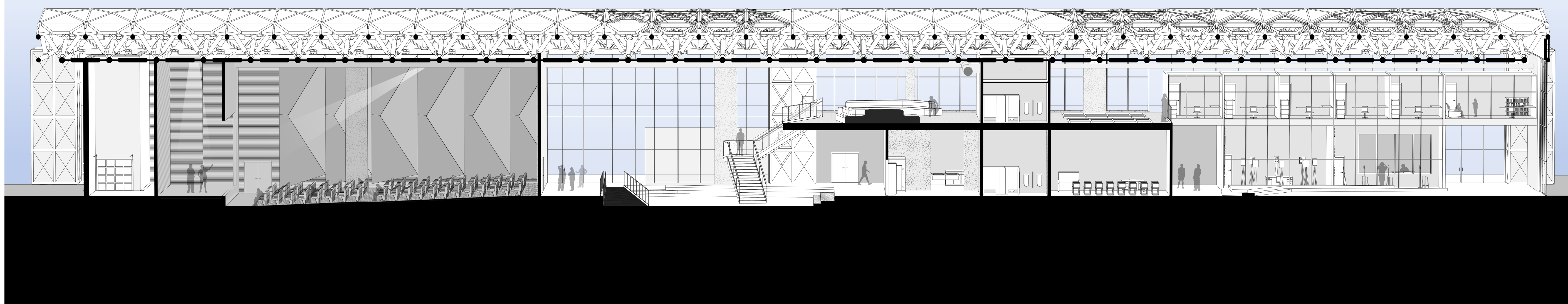


LEGEND

- | | | | | | |
|-----------------|------------------|-----------------------|--------------|--------------------------|------------------------|
| 1 BACK OF HOUSE | 4 KITCHEN | 7 RECORDING STUDIO | 10 ADMIN | 13 STORAGE | 16 TEMPORARY EXHIBIT |
| 2 AUDITORIUM | 5 REHEARSAL ROOM | 8 OUTSIDE PERFORMANCE | 11 LIBRARY | 14 JIMMIE RODGERS MUSEUM | 17 PARKING |
| 3 LOBBY | 6 SOUND LAB | 9 CAFE | 12 GIFT SHOP | 15 LOBBY | 18 INTERACTIVE EXHIBIT |
| | | | | | 19 LOUNGE |



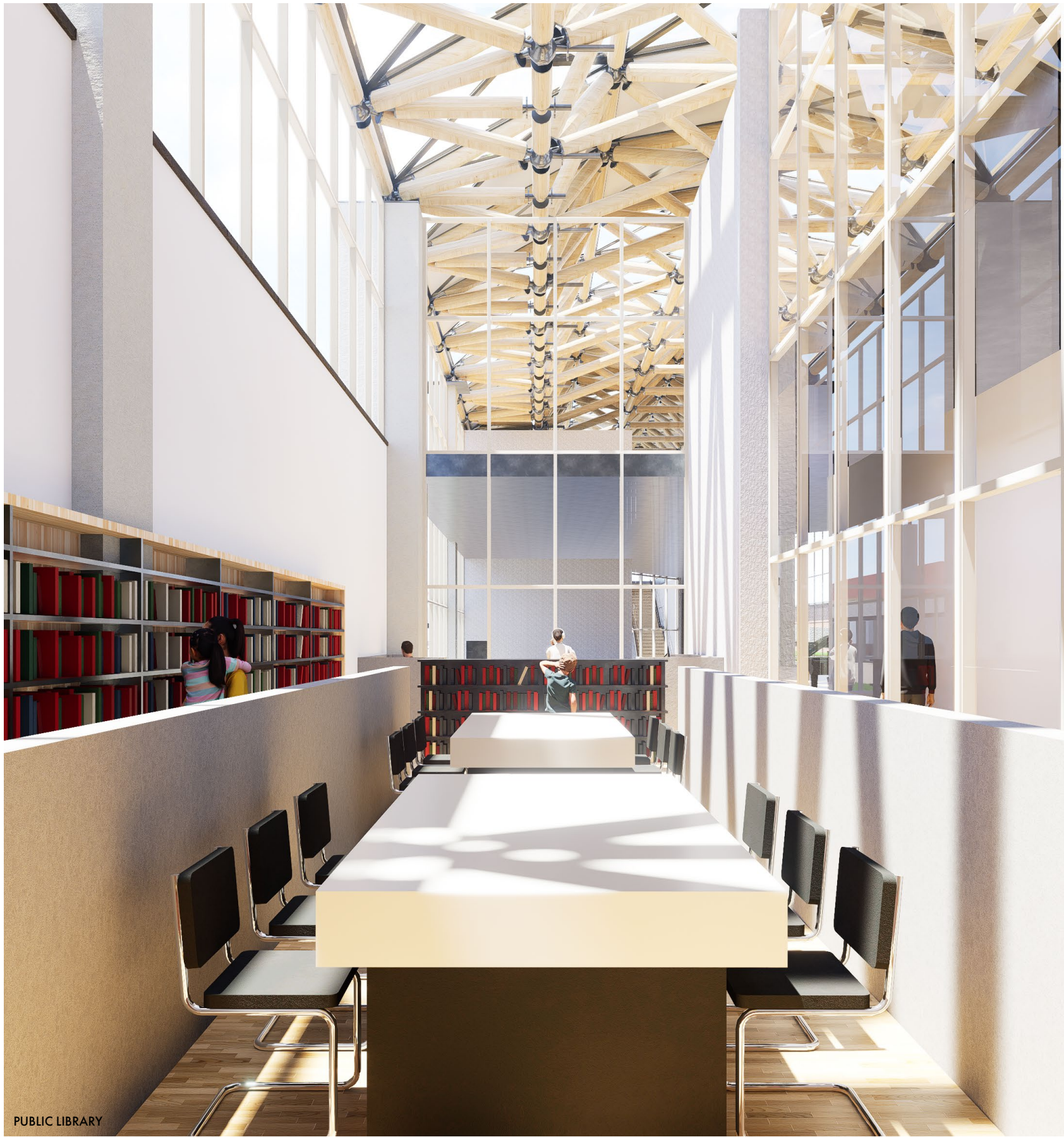
SECOND FLOOR PLAN



LONGITUDINAL PERSPECTIVE SECTION - 2



JIMMIE RODGERS EXHIBIT



PUBLIC LIBRARY



AUDITORIUM

GIULAM CYLINDRICAL SPACE FRAME

The space frame takes from the concept of tension and resolve and creates an impact moment of arrival for the site and overall experience. As you travel over the bridge located southeast of the site, you will see a large panelized roof system that creates a bit of tension as it majorly hides what's underneath. This concept borrows from the musical tension and resolve, as the panels guard the space frame from the outside to create a feel of unknown, until you reach the destination and can see the wood space frame underneath, relieving the tension.

2ND FLOOR LEVEL

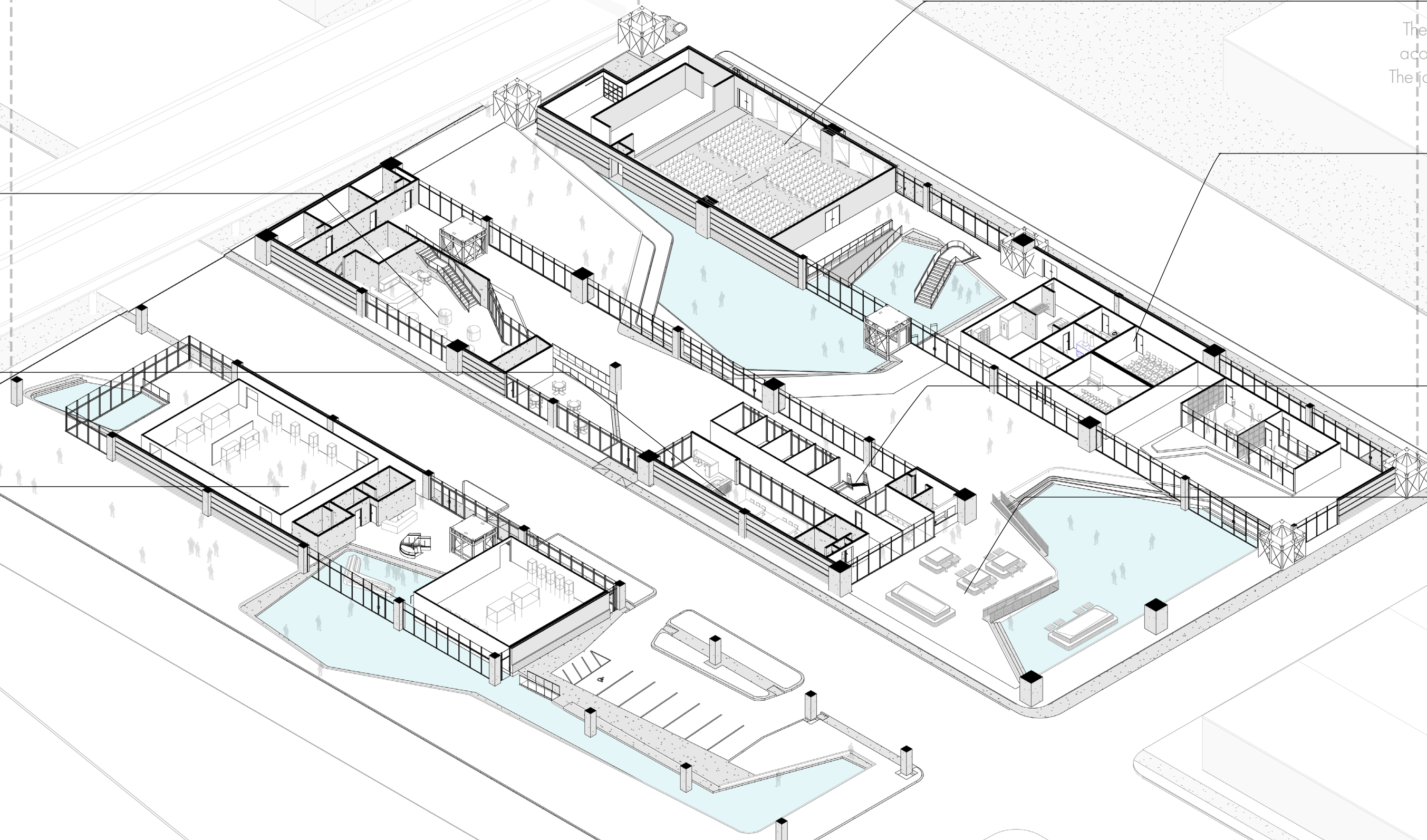
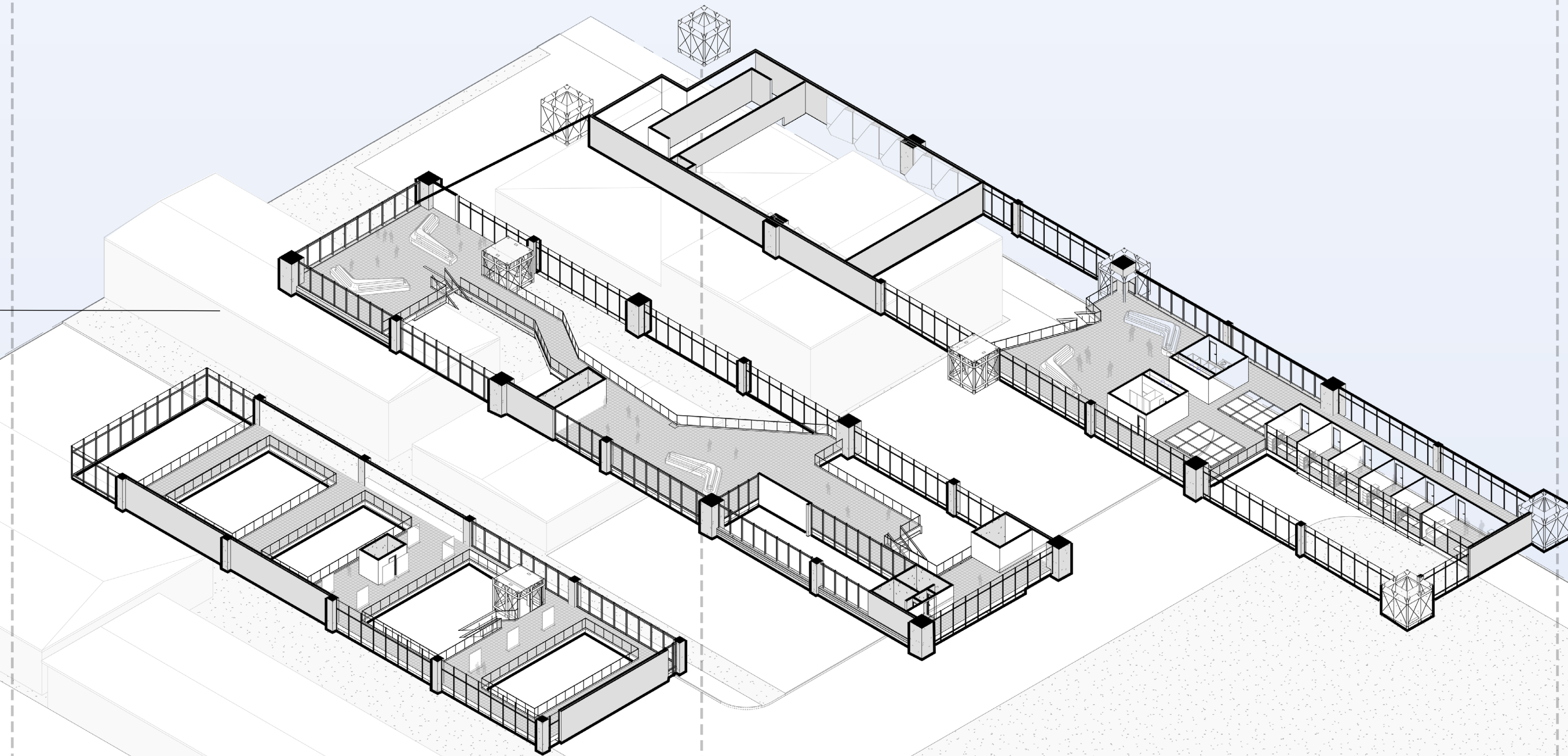
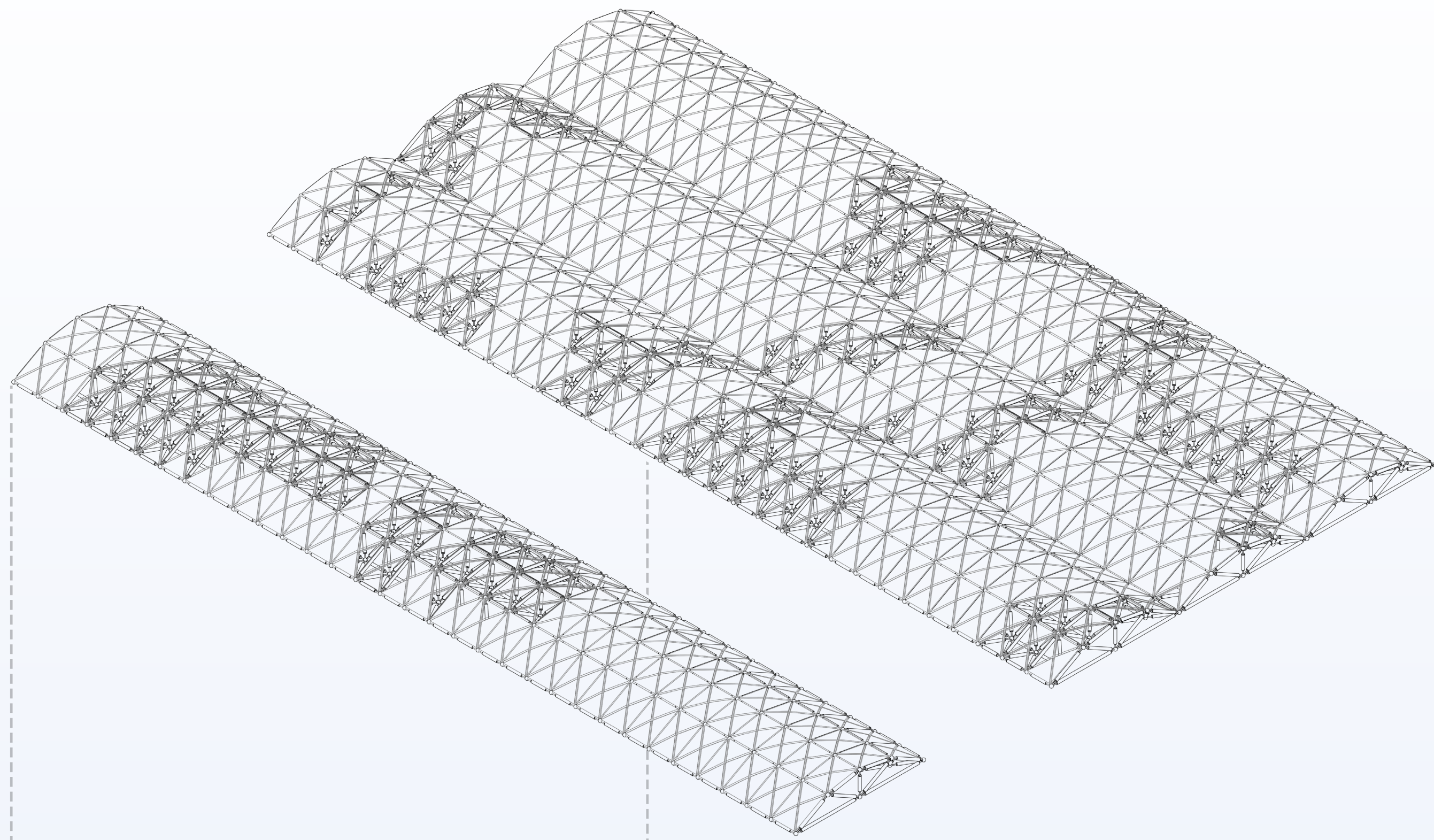
The 2nd floor consists of open to below walkways and open space connected on one level to create a contrasting space existing between the ground plane below and the space frame structure above.

GIFT SHOP

LIBRARY

JIMMIE RODGERS MUSEUM

The Jimmie Rodgers museum is covered by southern pine panels to block indirect light from hitting artifacts while still lighting the spaces accordingly.



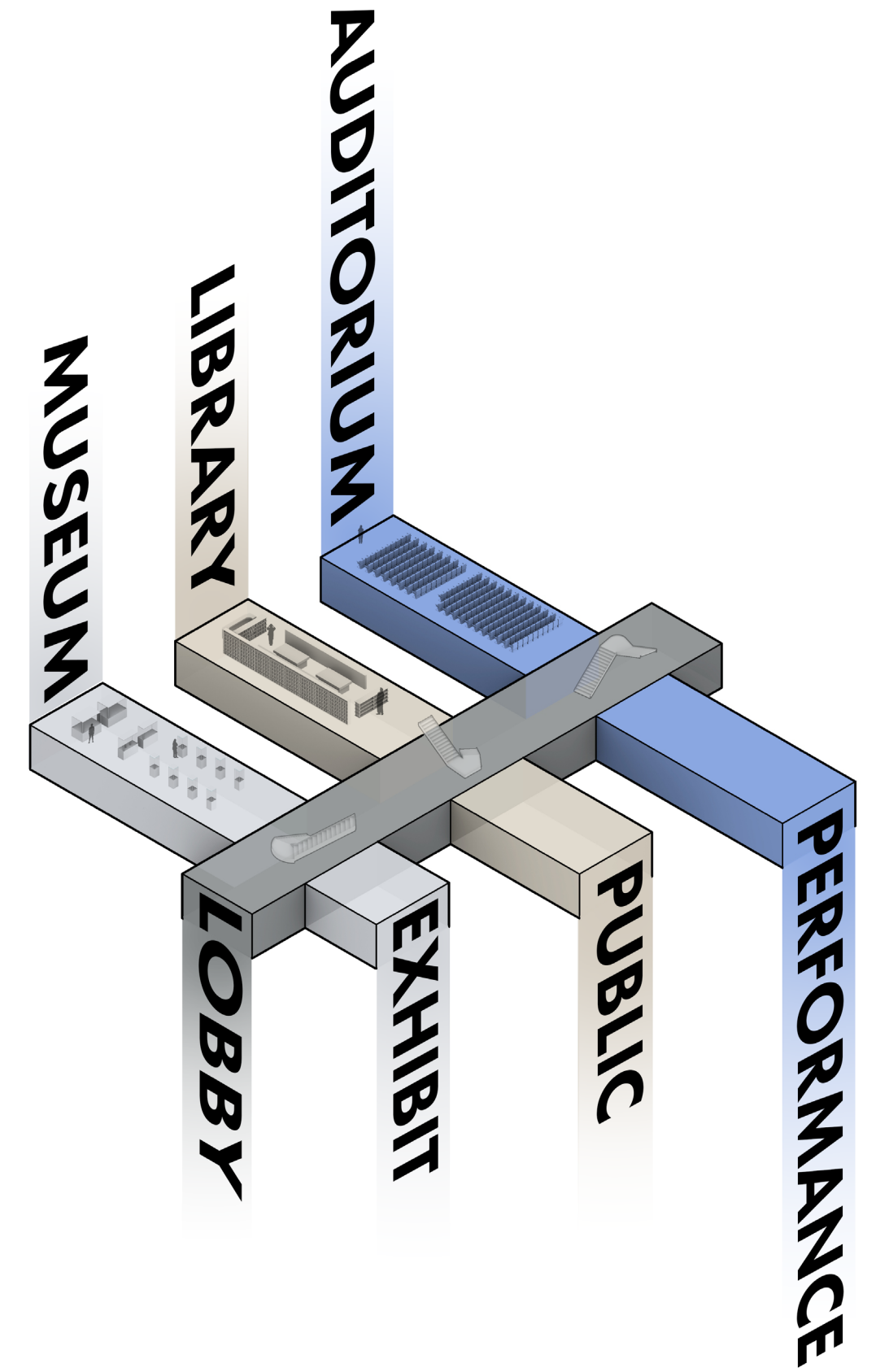
AUDITORIUM
The auditorium space is blocked from light with acoustic sandwich panels layered in the ceiling. The joints in the space frame structure extend into steel frames to hold lights and cables.

REHEARSAL
The halls along the interior of the performance building are narrow and sometimes closed off from light to borrow from the occurring tension and resolve throughout the site.

ADMIN

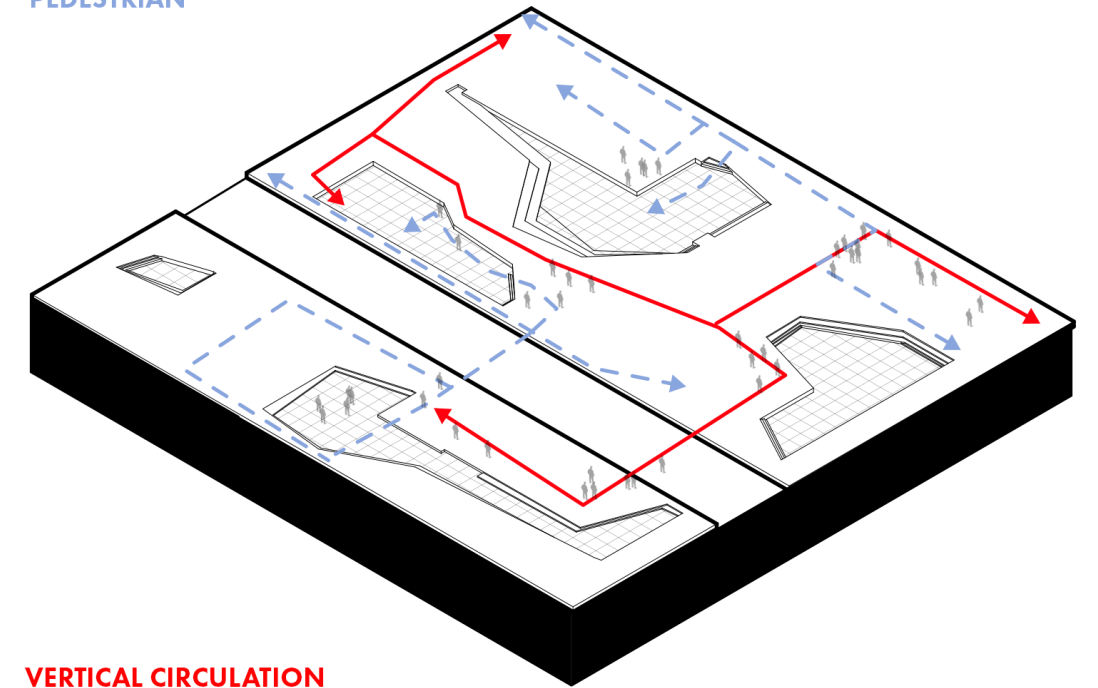
CAFE

PROGRAM DIAGRAM

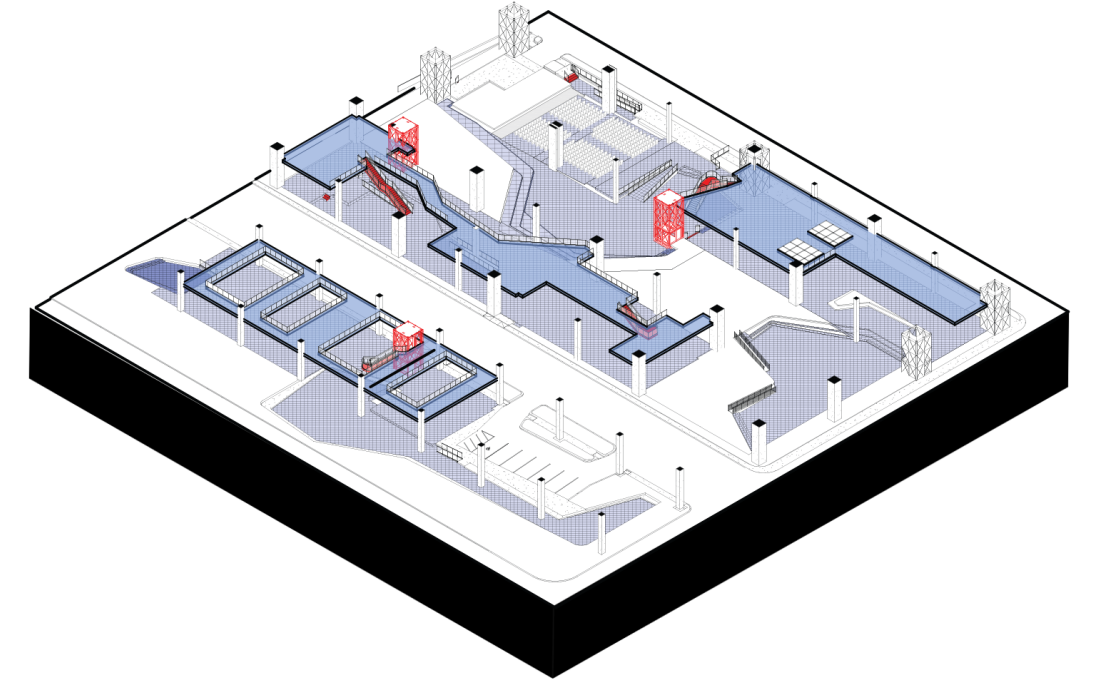


CIRCULATION DIAGRAMS

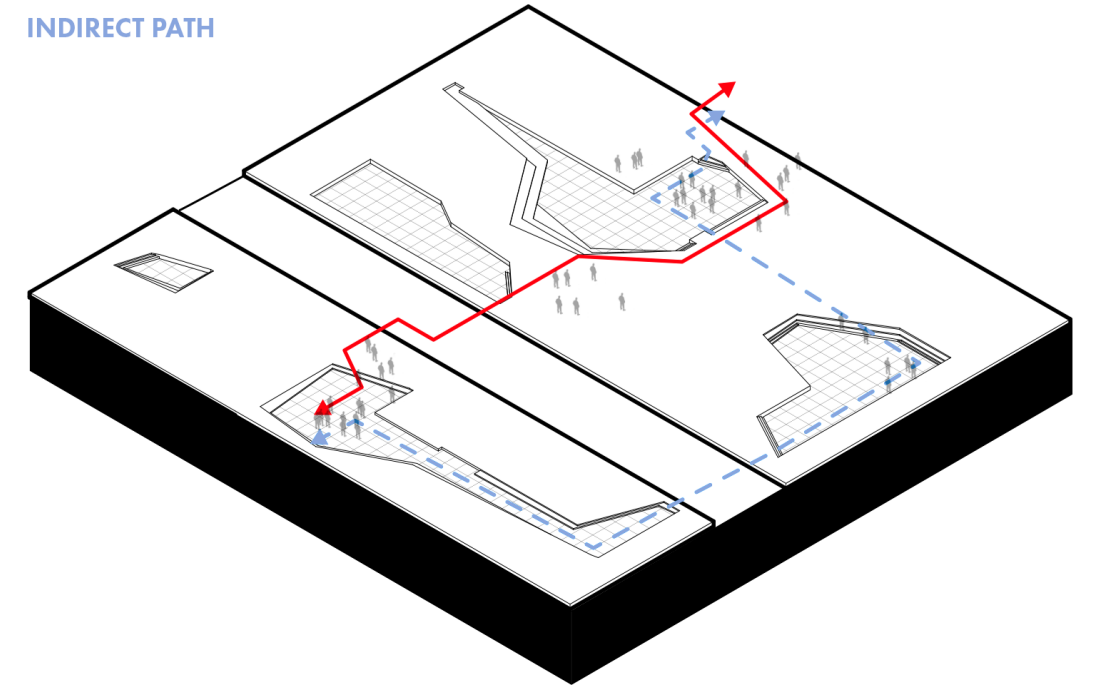
WORKER
PEDESTRIAN



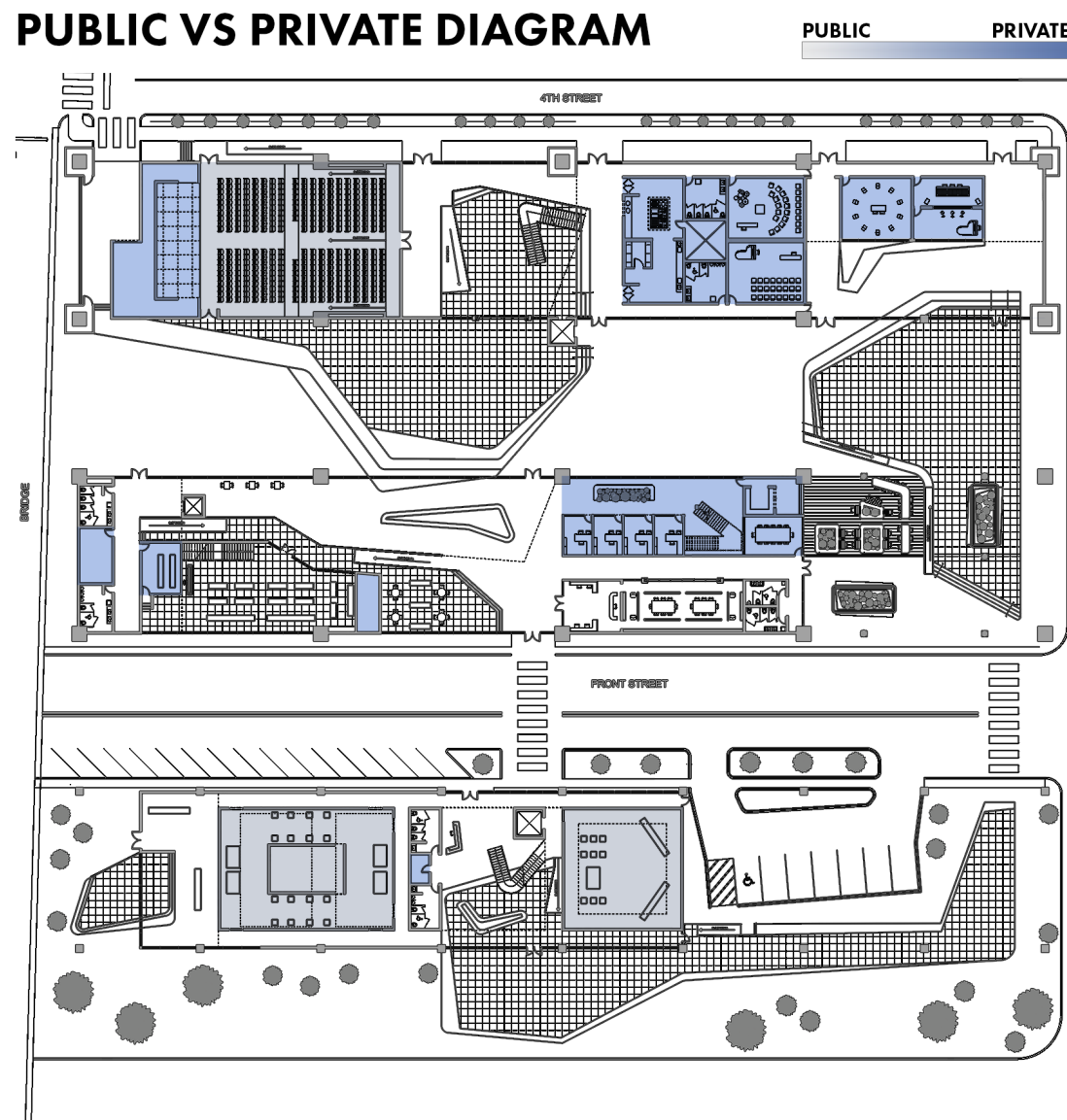
VERTICAL CIRCULATION
LONGITUDINAL CIRCULATION



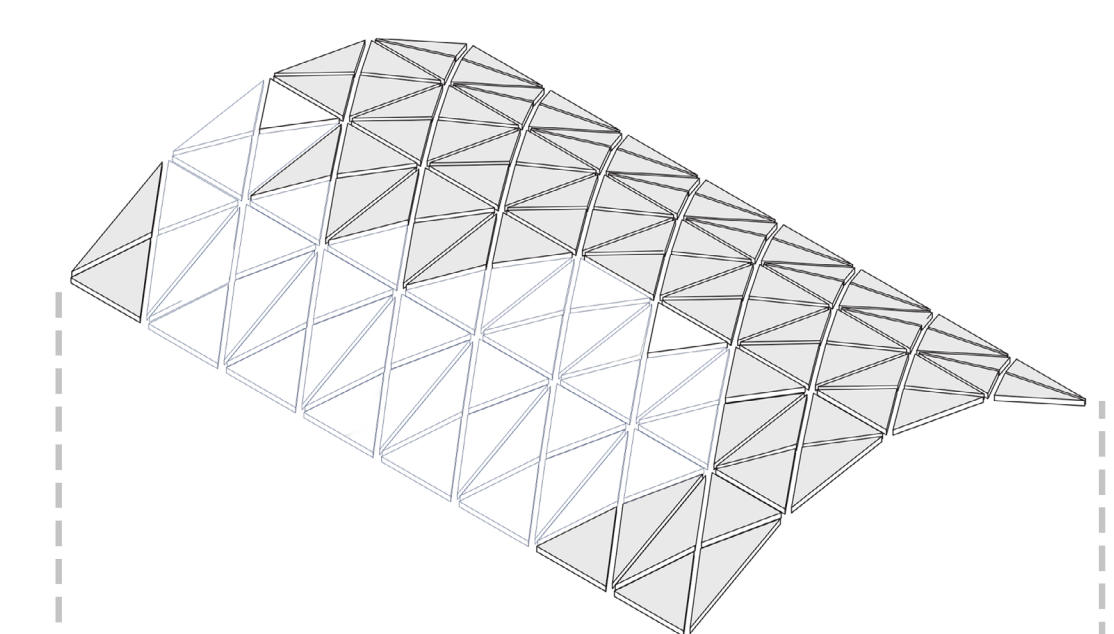
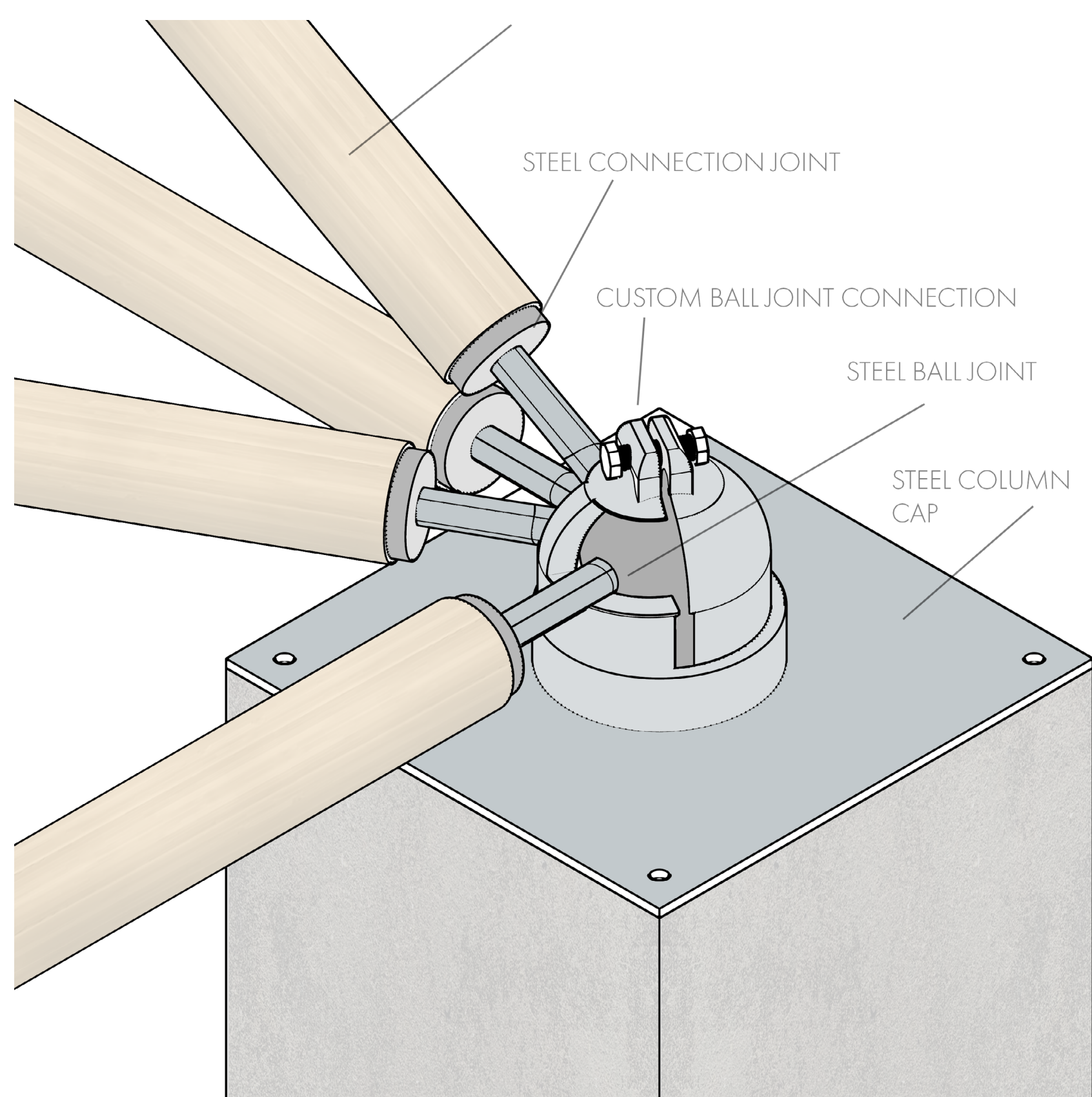
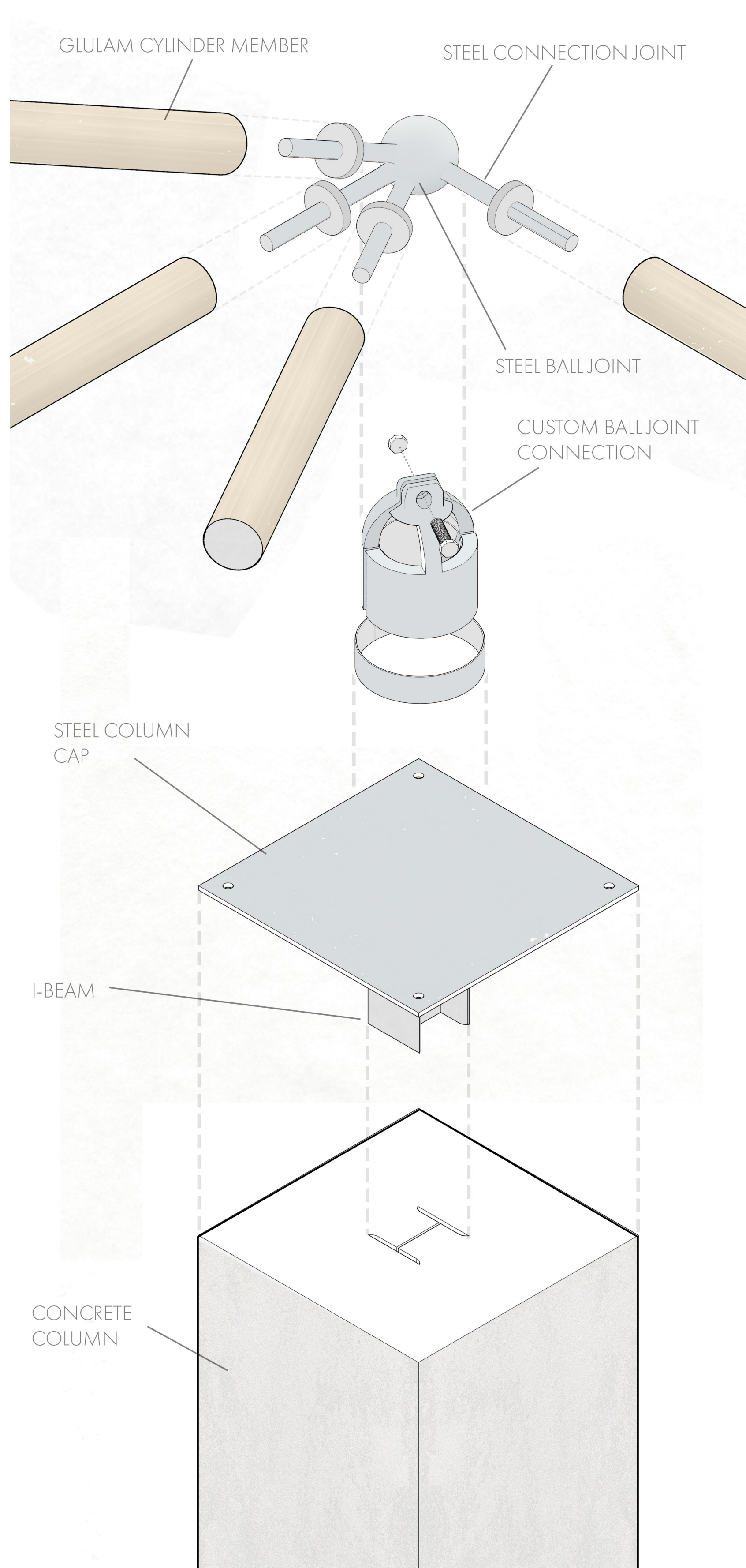
DIRECT PATH
INDIRECT PATH



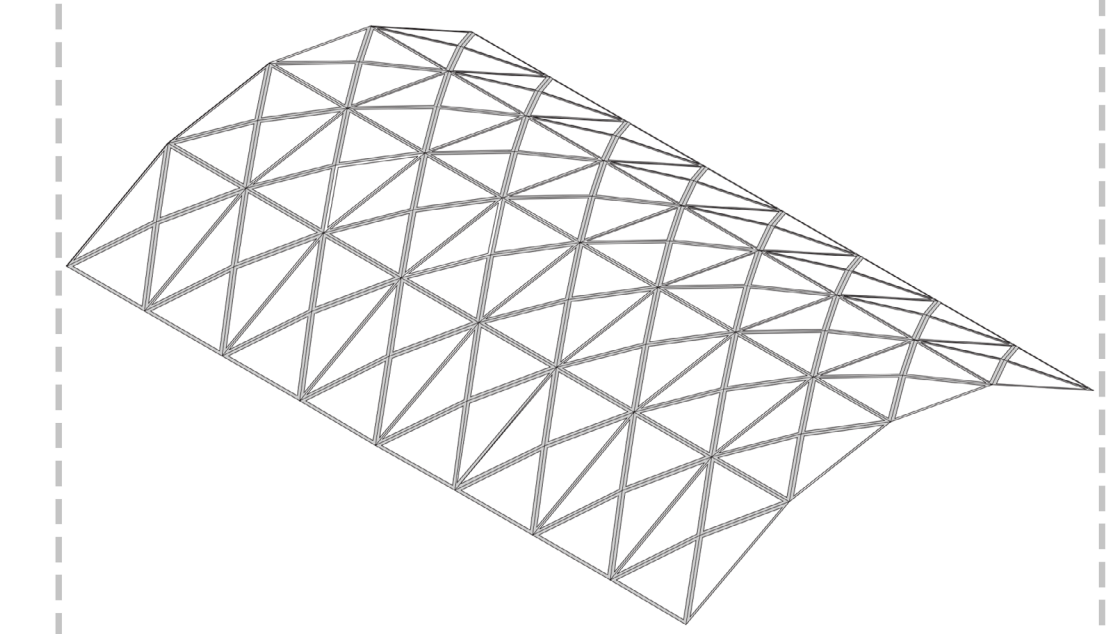
PUBLIC VS PRIVATE DIAGRAM



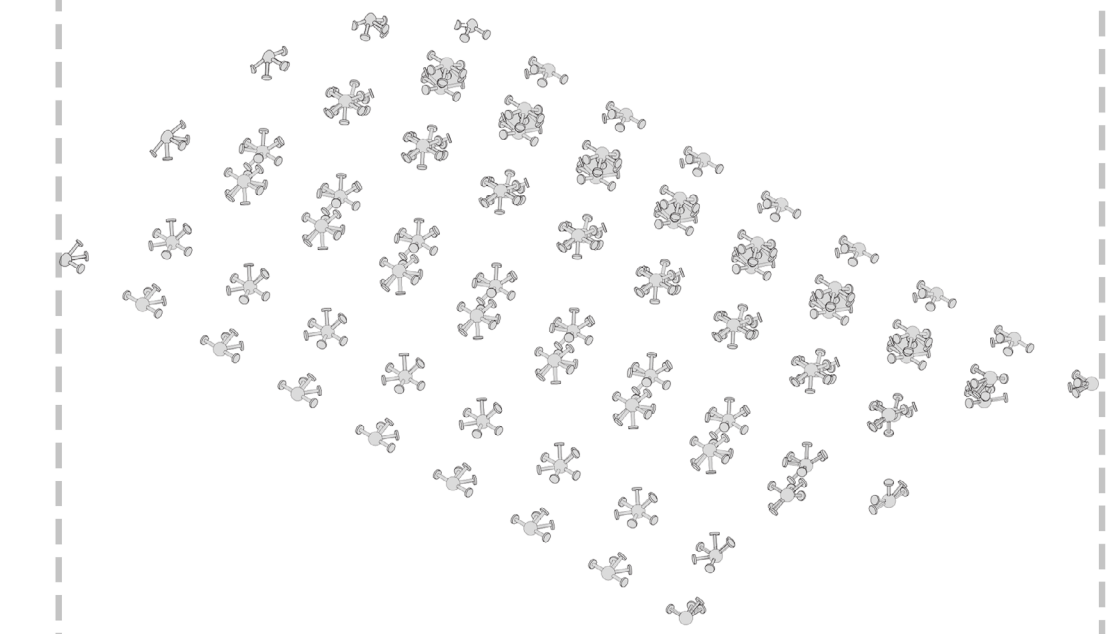
EXPLODED SITE AXON



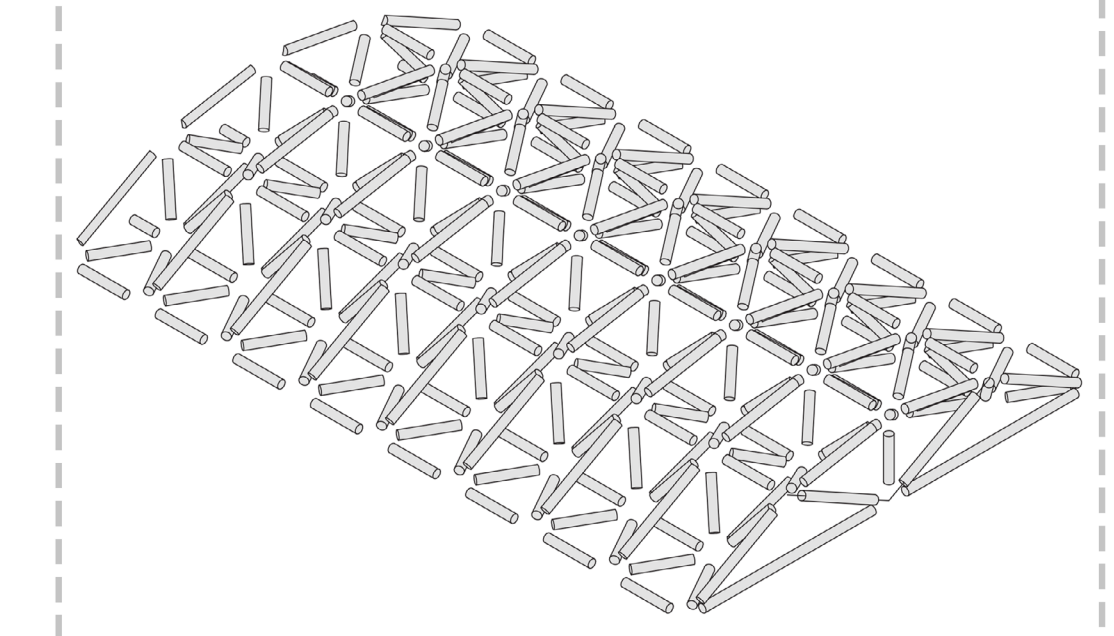
The top layer consists of clear and white polycarbonate panels that give the roof moments of transparency while also sealing the building from outside elements. The alternation between clear and solid panels light the ground and guide movement through the important areas of the site..



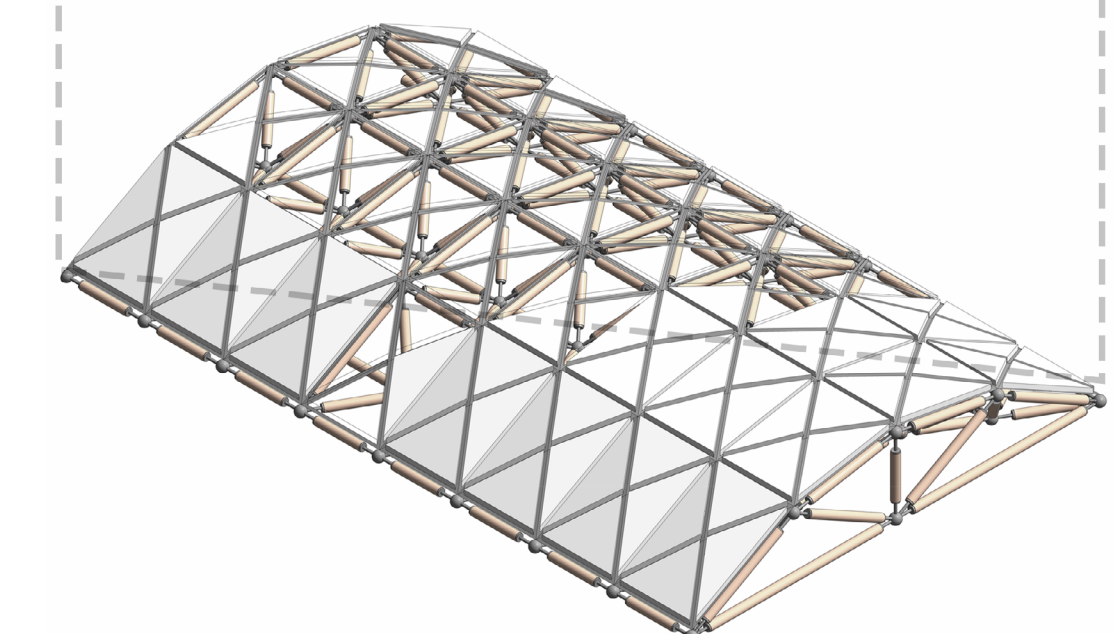
This layer is made up of glazing bars and triangular profile foam closures that hold them in place on steel frames. This layer is installed on top of the mass timber framing to start creating the base for the panels to create a barrier from outside elements.



The joints holding the space frame members together are custom steel members that angle and insert into the ends of each glulam member. In total, there are 18 different custom joints.



The members of the space frame are Glulam cylinder members that are cut off site and assembled with custom joints on site. The wood adds to the warmth and lightness of the overall design of the project.



Finished roof assembled

AXONOMETRIC ROOF CONSTRUCTION DIAGRAM