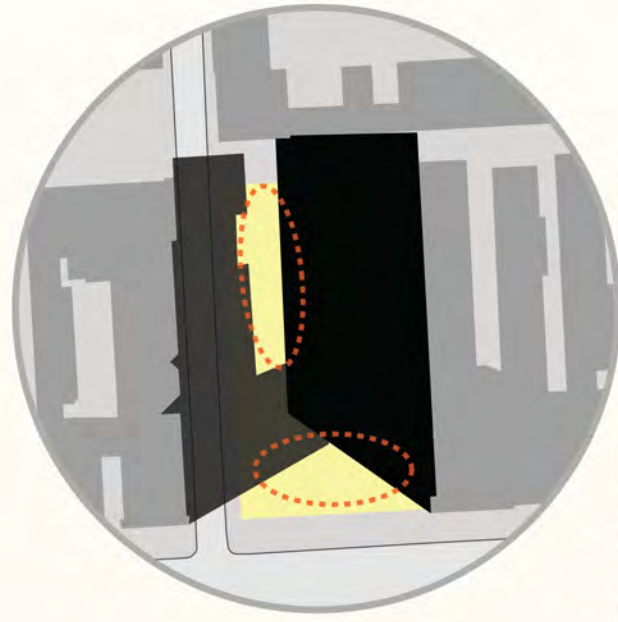
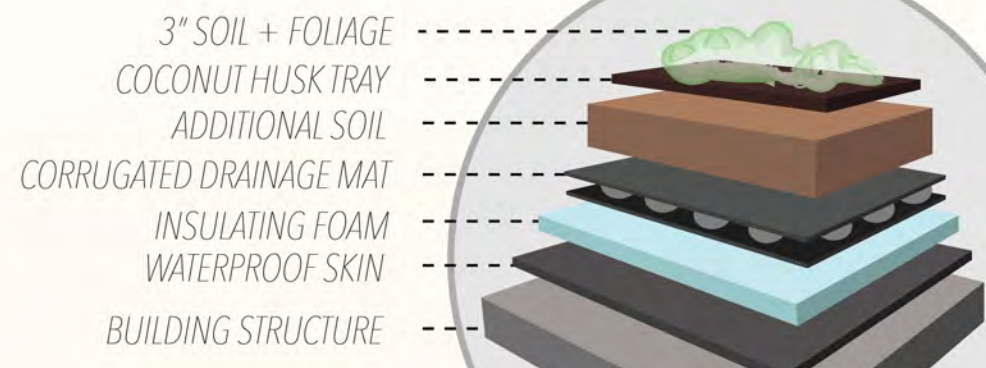


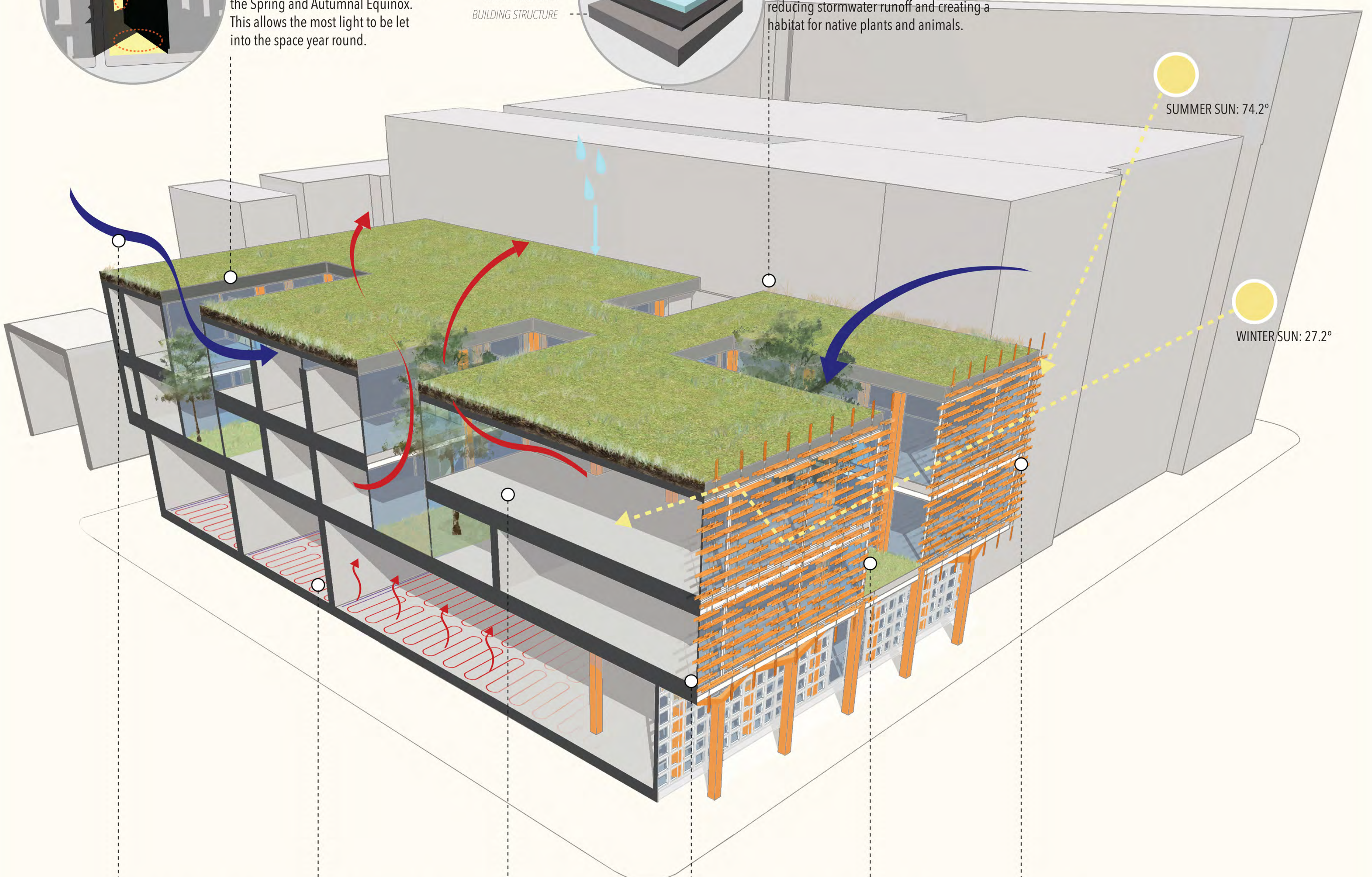
SUSTAINABILITY DIAGRAM



PASSIVE SOLAR DESIGN
The design of the cutouts is directly correlated to the sun's motion during the Spring and Autumnal Equinox. This allows the most light to be let into the space year round.



EXTENSIVE GREEN ROOF
This modular living roof responds to the site context as well as providing insulation, reducing stormwater runoff and creating a habitat for native plants and animals.



PASSIVE VENTILATION
The cutouts of the building draw cool air into the small courtyards. Hot air escapes the space through the light

RADIANT FLOOR HEATING
In response to the high ceilings on the first floor, tubes carrying hot water heat the concrete floor.

NATURAL DAYLIGHTING
The building's orientation and cut outs maximize solar gains.

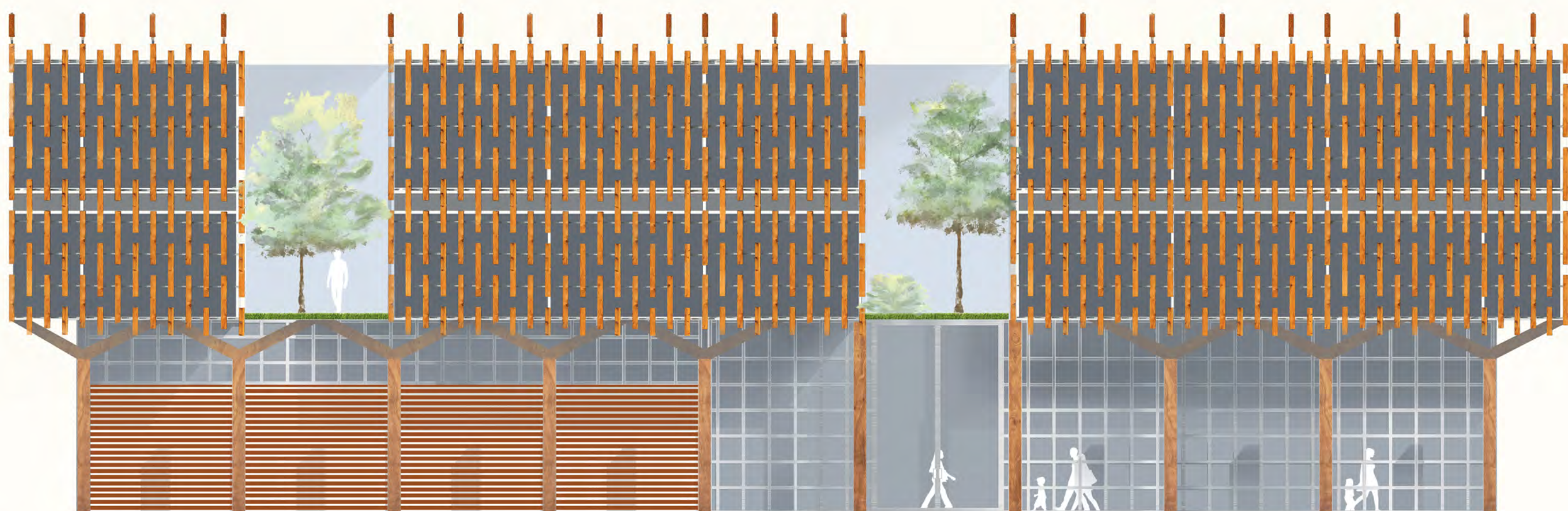
OFFSET SECOND FLOOR
In order to avoid a wind tunnel, the second floor is offset from the first floor by 5 feet. This also allows for a pedestrian friendly space.

GARDEN
Trees and other native plantings are incorporated into the space to improve productivity. Additionally, the trees provide natural solar control.

LOUVERS
The placement of the louvers respond to the site conditions. Horizontal beams shade the South side and vertical beams shade the West side.

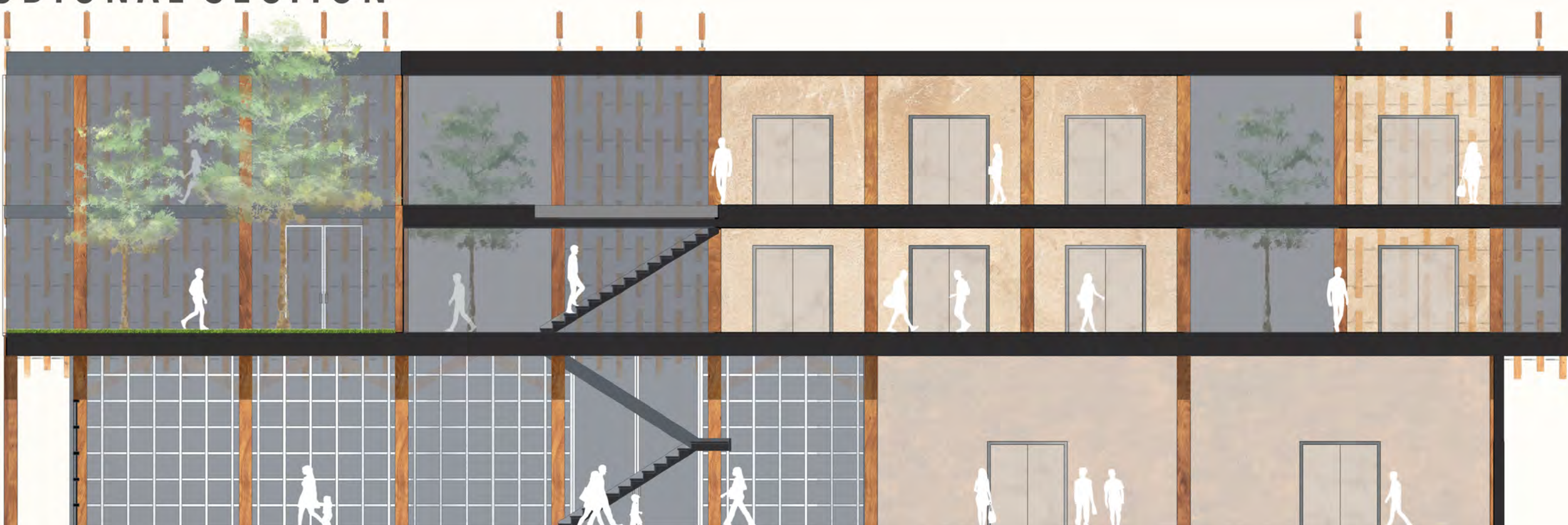
WEST FACADE

SCALE: 1/8" = 1'-0"

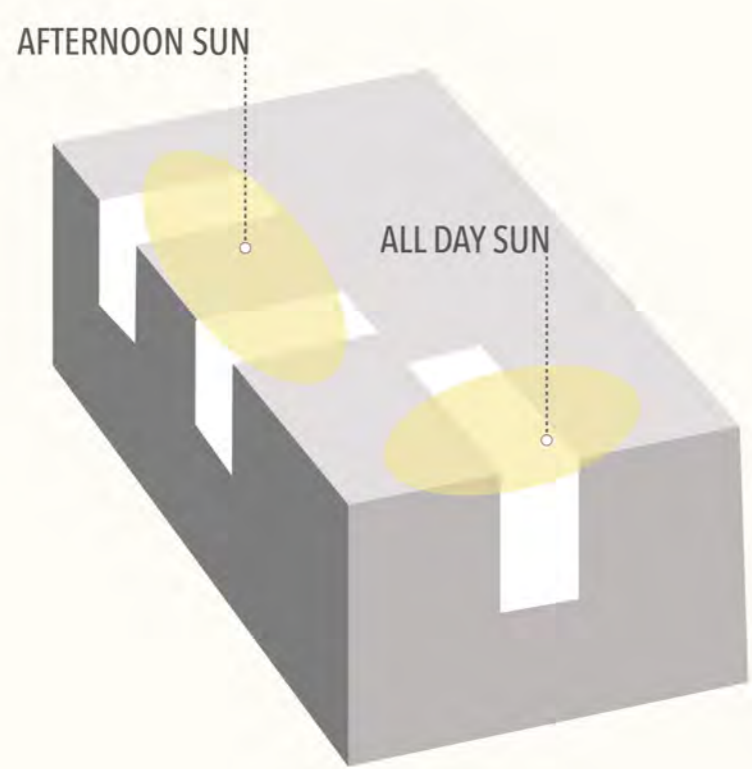
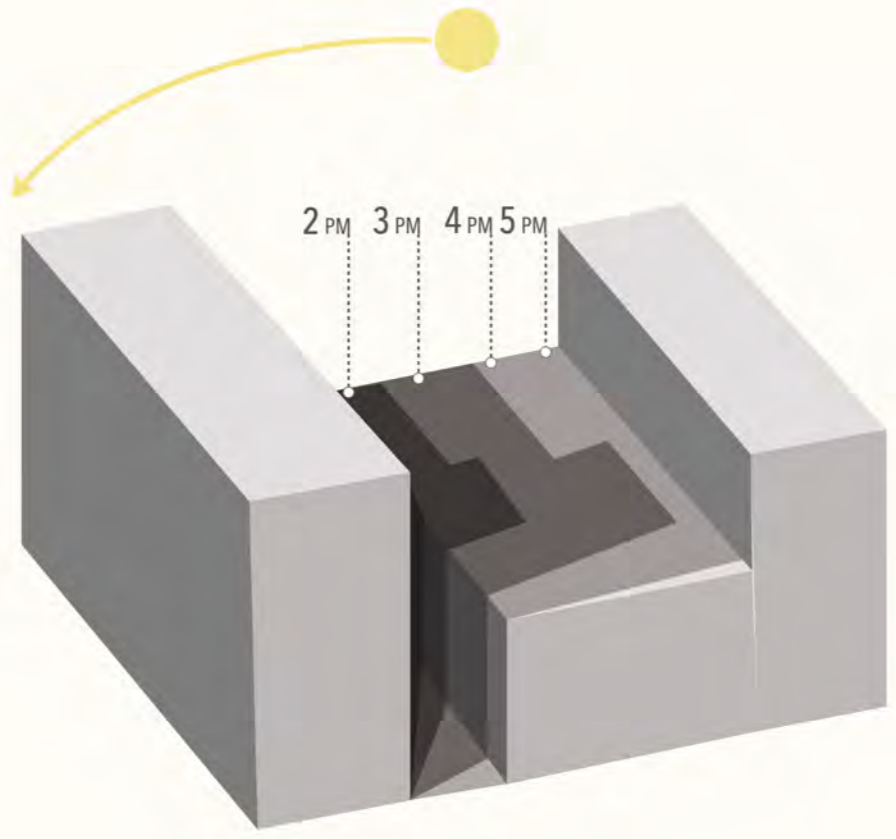
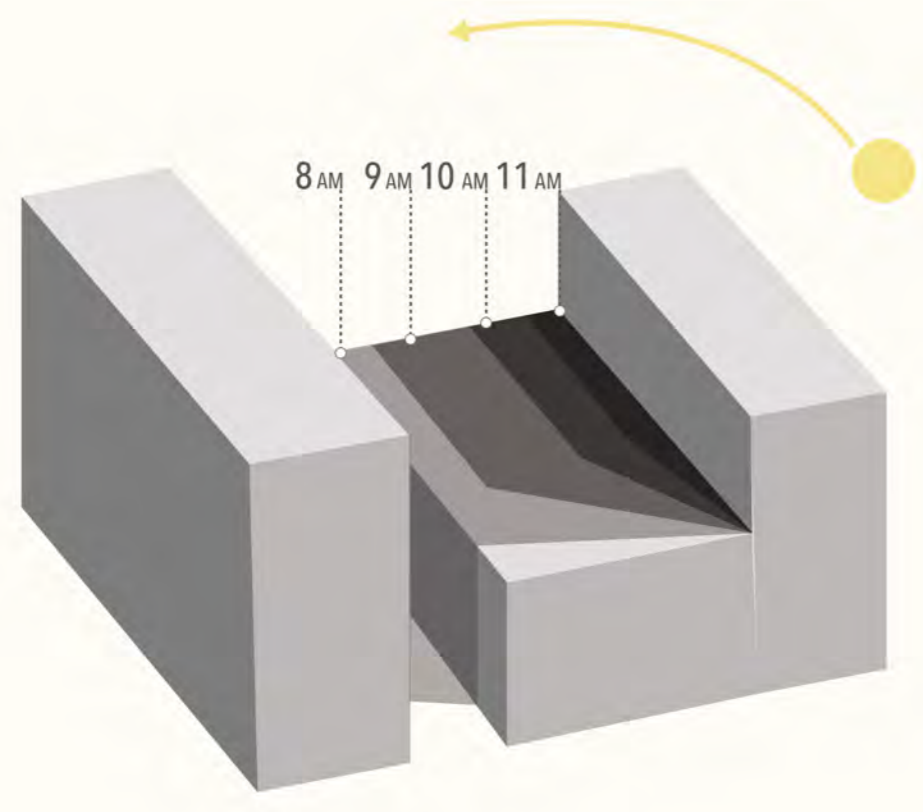


LONGITUDINAL SECTION

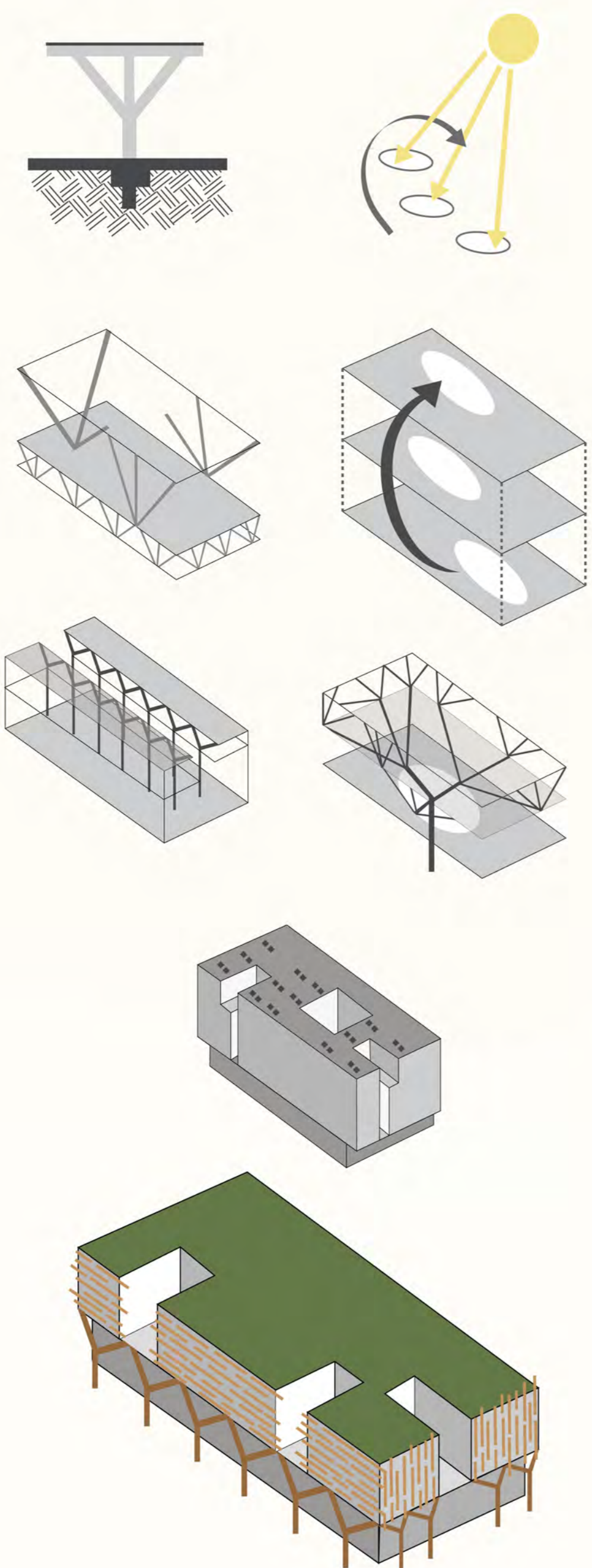
SCALE: 1/8" = 1'-0"



SOLAR + SHADOW DIAGRAM



ITERATION SYNTHESIS DIAGRAM

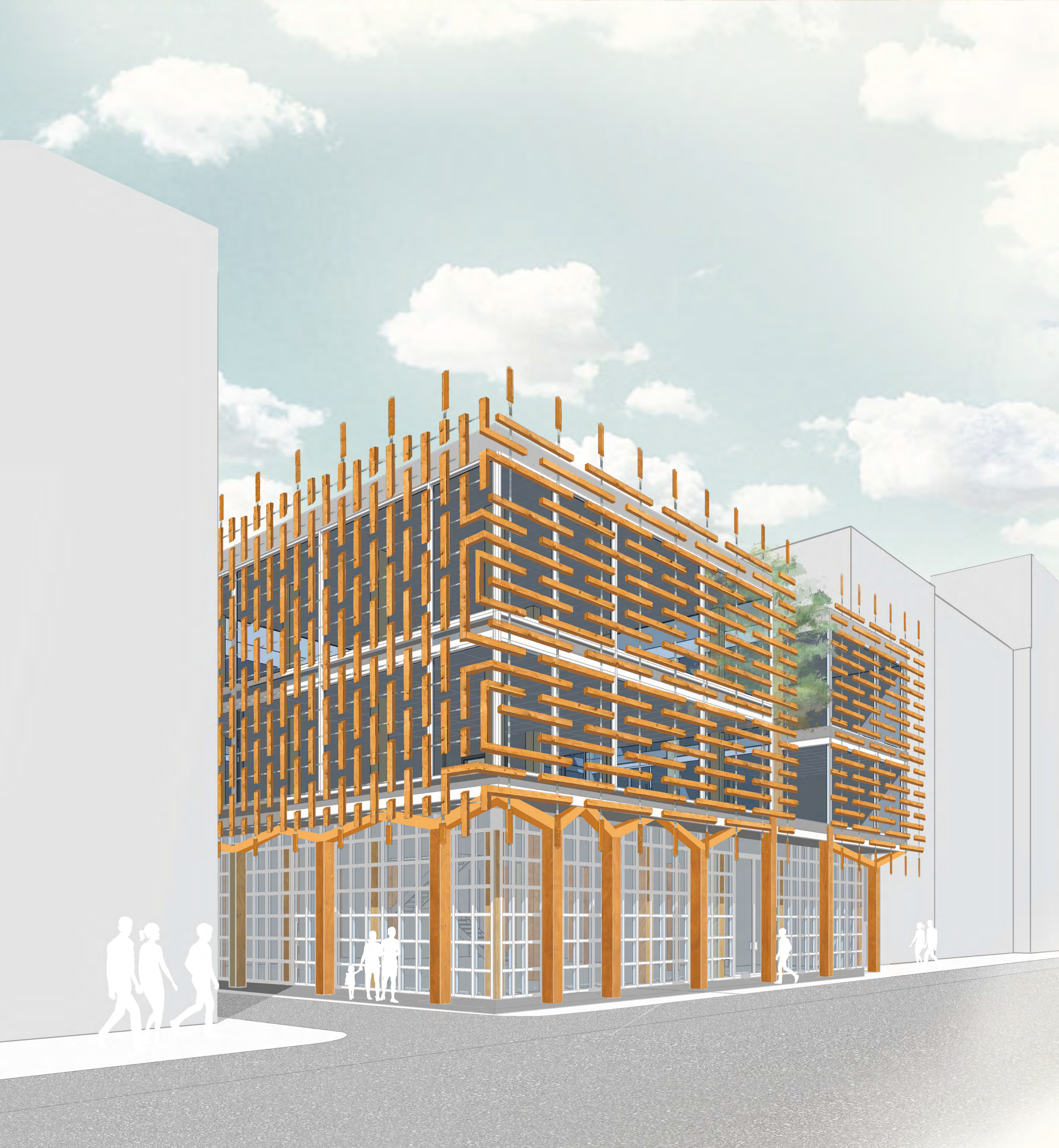


ROOF PLAN
SCALE: 1/8" = 1'-0"

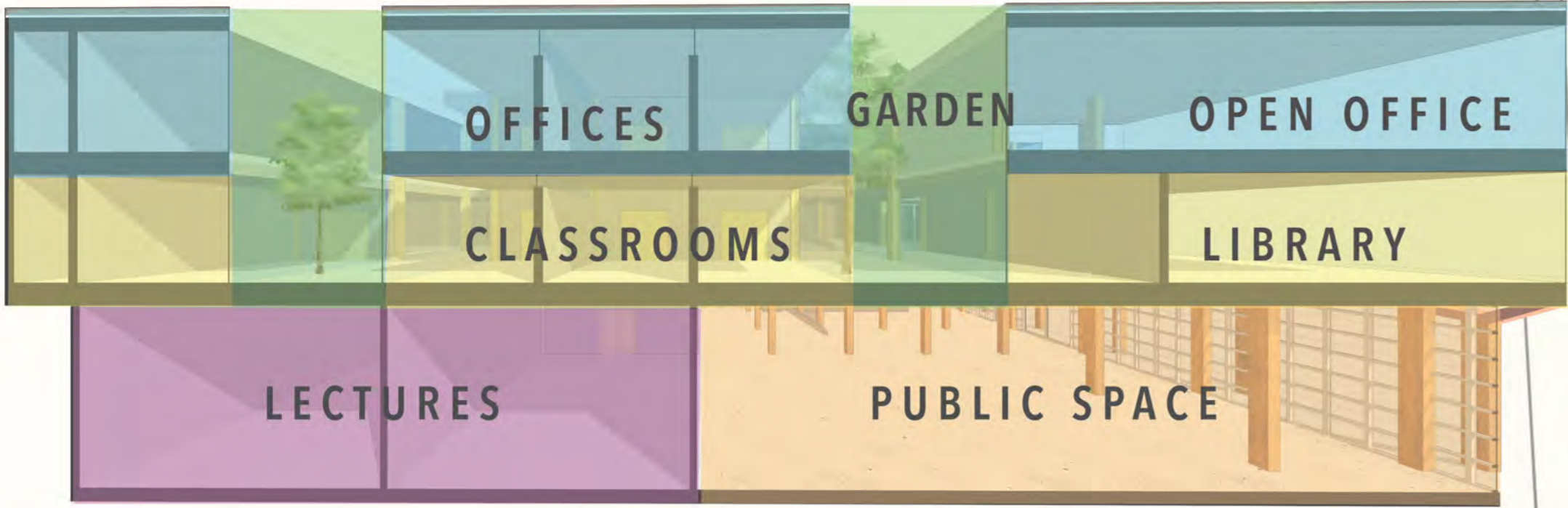


THIRD FLOOR
SCALE: 1/8" = 1'-0"

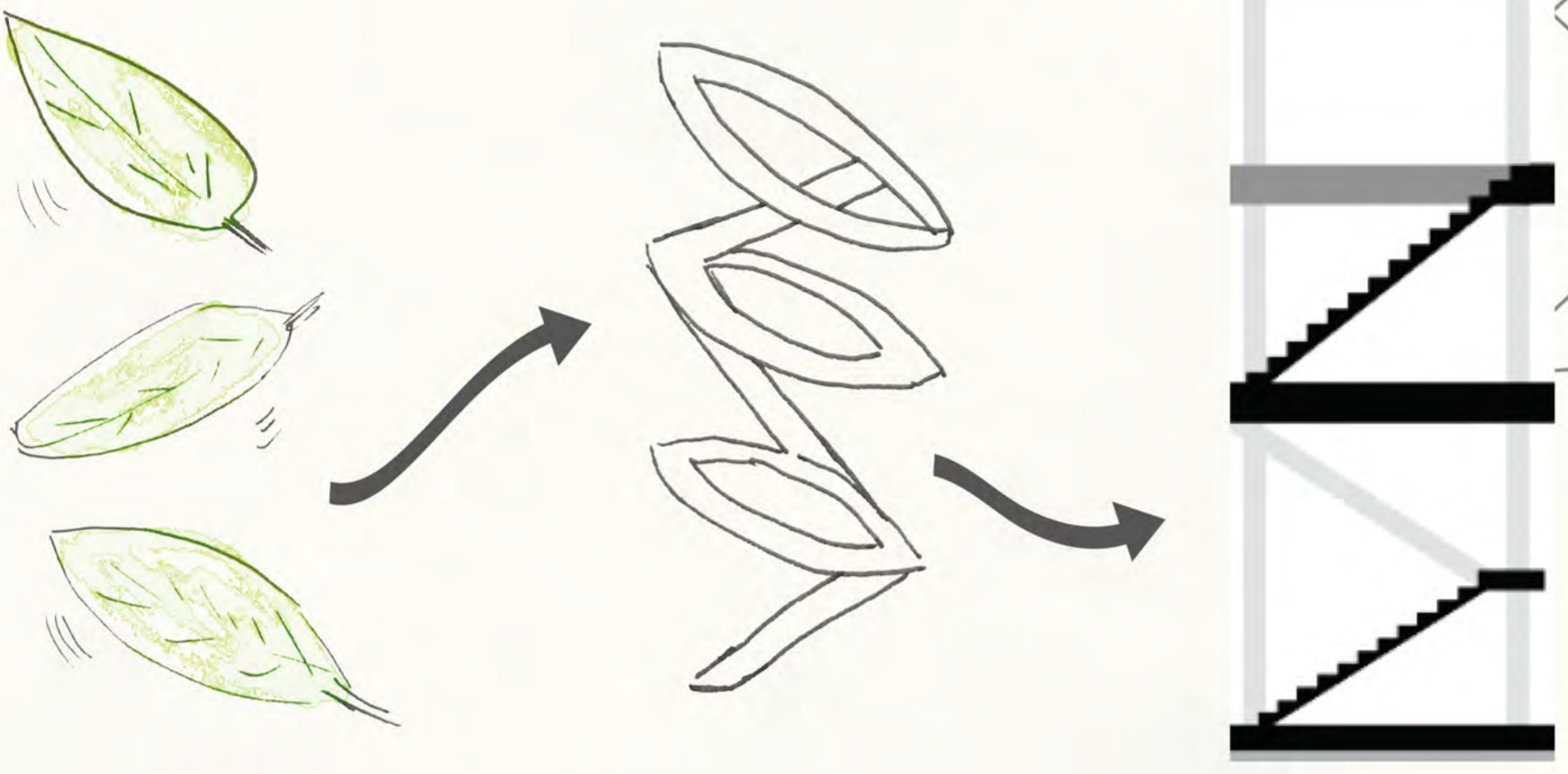




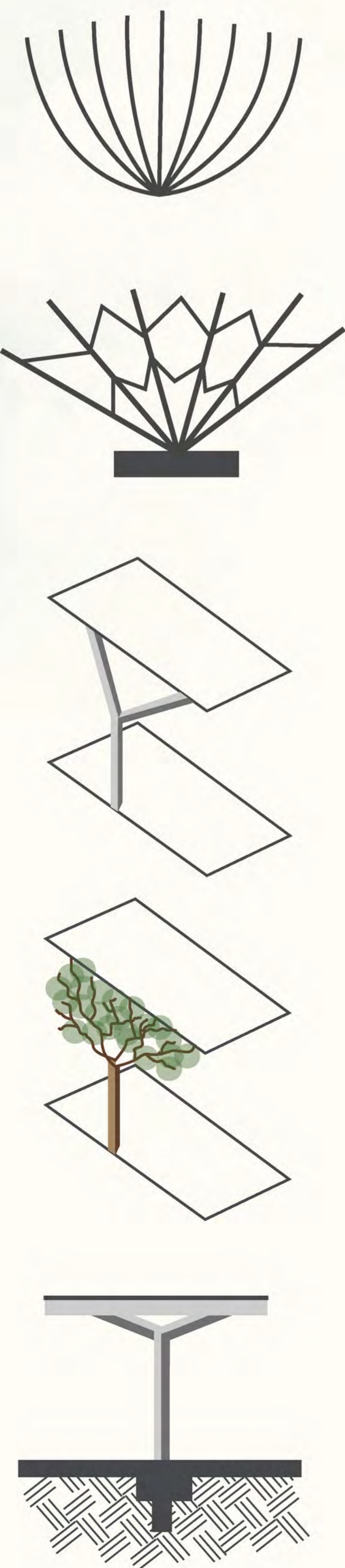
PROGRAM SECTION DIAGRAM



CIRCULATION CONCEPT



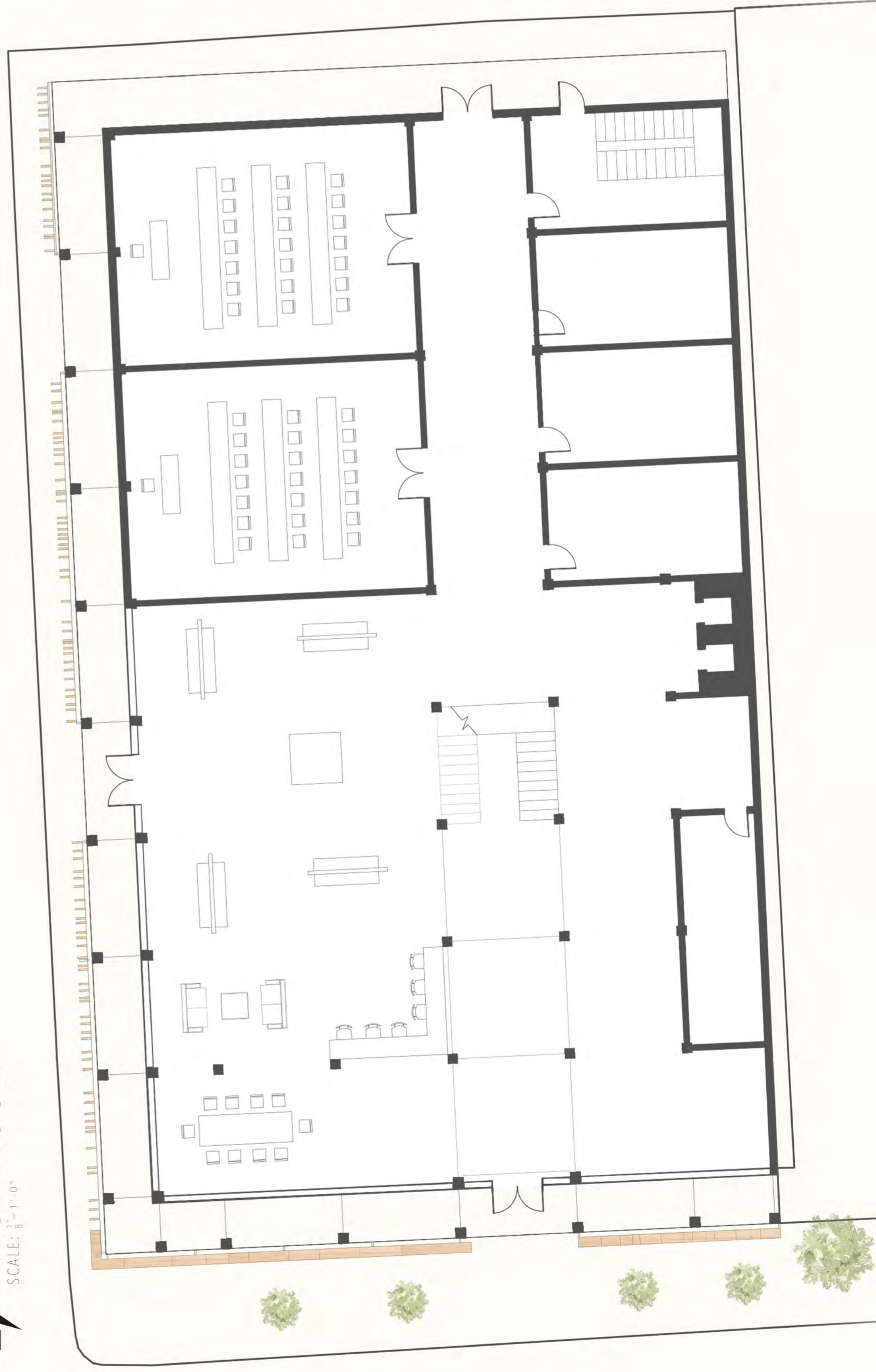
TREE STRUCTURE EVOLUTION

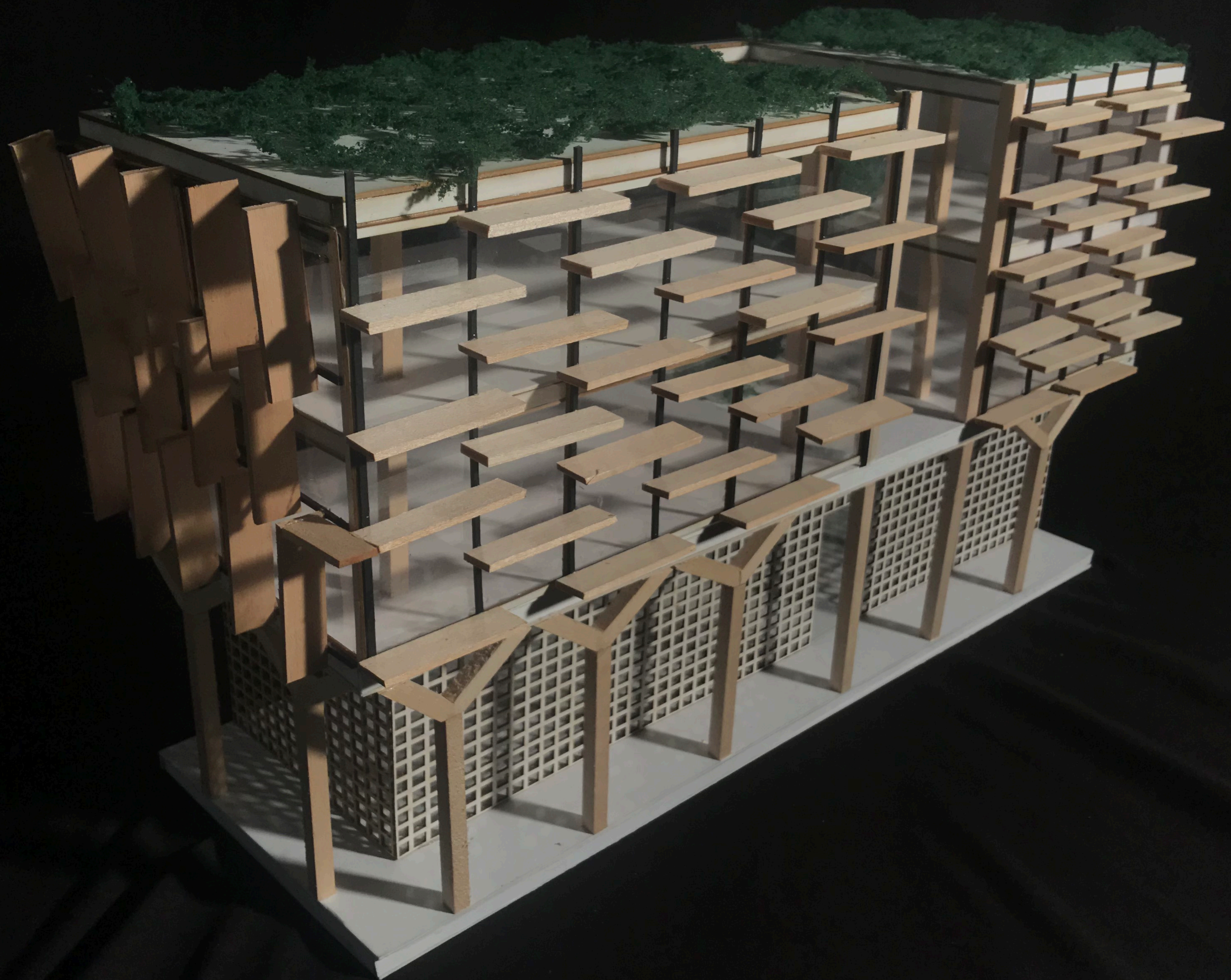


SECOND FLOOR
SCALE: 1/8"=1'-0"

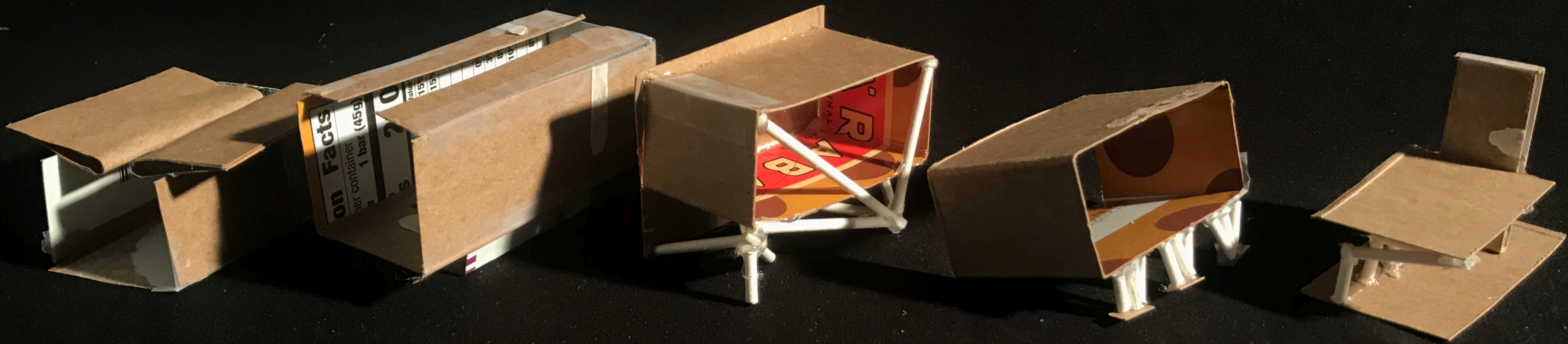


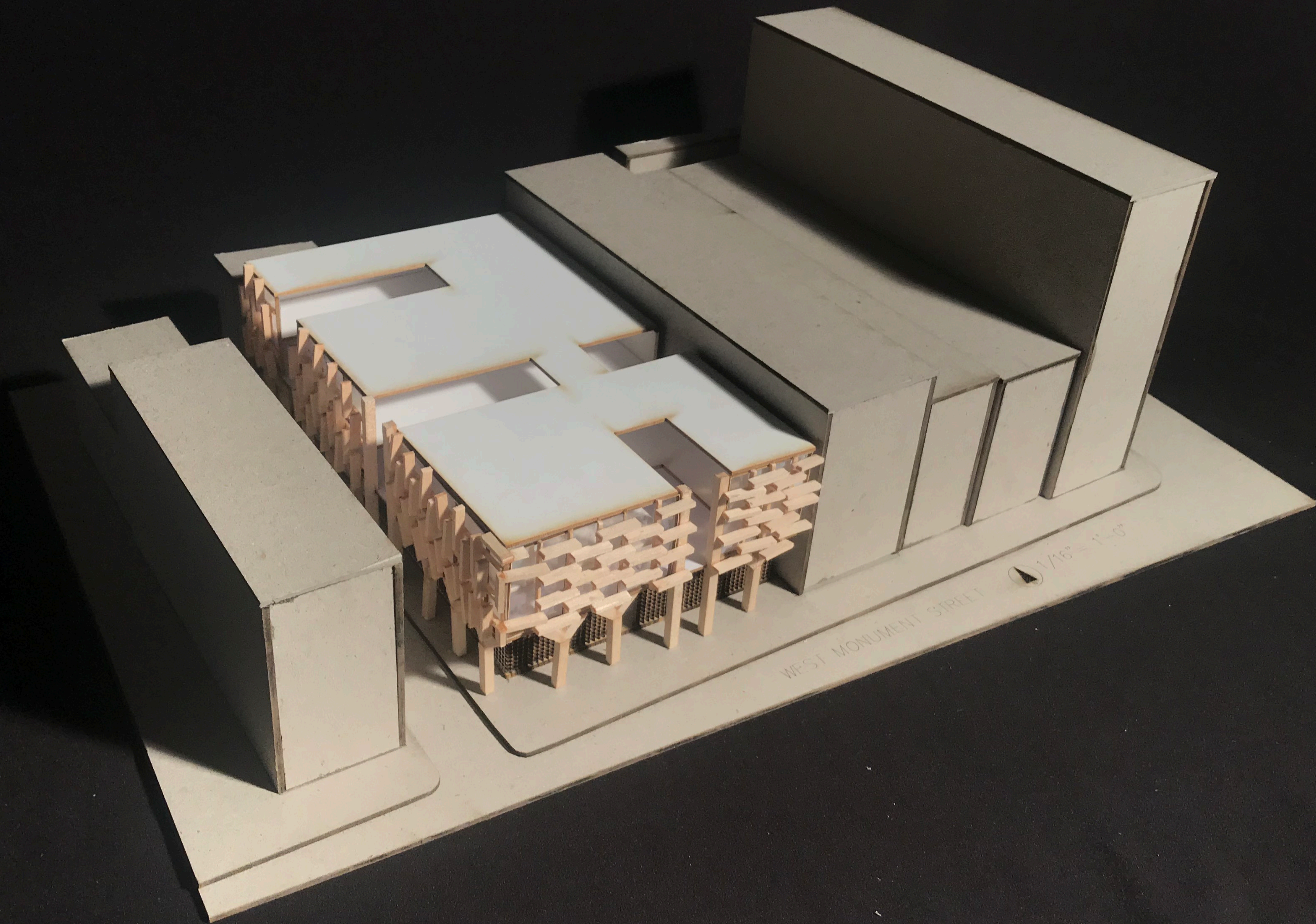
FIRST FLOOR
SCALE: 1/8"=1'-0"











WEST MONUMENT STREET

1/16" = 1'-0"

