

An architectural rendering of a modern school building's courtyard. The central feature is a wide, multi-level staircase with light-colored steps and wooden handrails. The walls of the staircase are integrated with green walls, featuring wooden planters filled with green foliage and purple flowers. In the background, a two-story school building with a light-colored brick facade and several rectangular windows is visible. The scene is populated with diverse children and adults engaged in various activities: a girl sits on the stairs reading; two girls in school uniforms walk up the stairs; a woman and children are gardening in the foreground; and other children are playing on the steps. The sky is bright blue with light clouds.

IN:OUT

PUBLIC SCHOOL

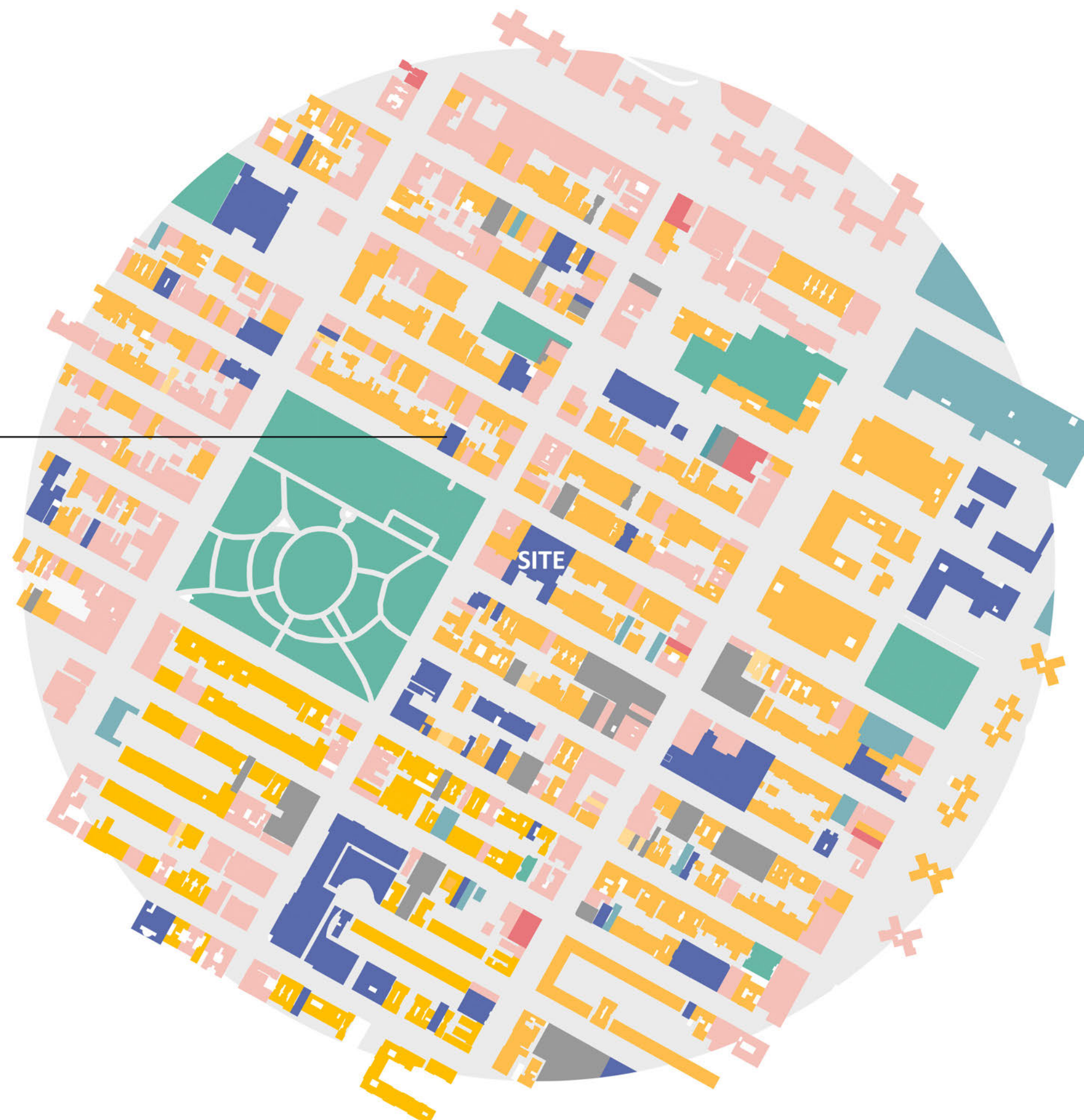
KAREN CHEN

CORE II | SPRING 2020









PROFESSOR GORDON KIPPING

LANDUSE

TOMPKINS SQUARE
PUBLIC LIBRARY

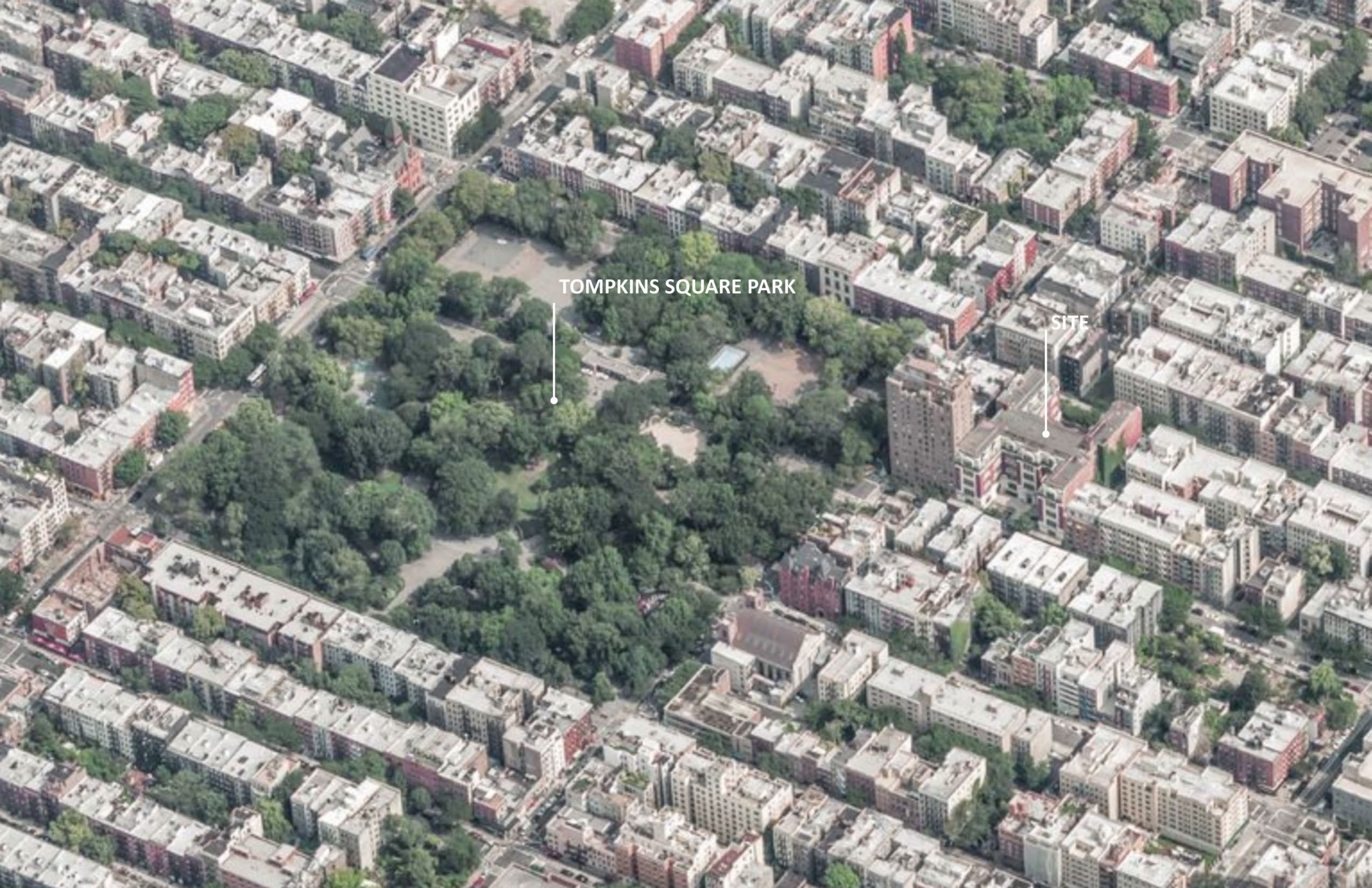


SITE

-  Parks
-  1-2 family residential
-  3-4 Multi-family residential
-  Institutions
-  Mixed use
-  Commercial
-  Transportation/utilities
-  Vacant lots

OUTDOOR SPACES



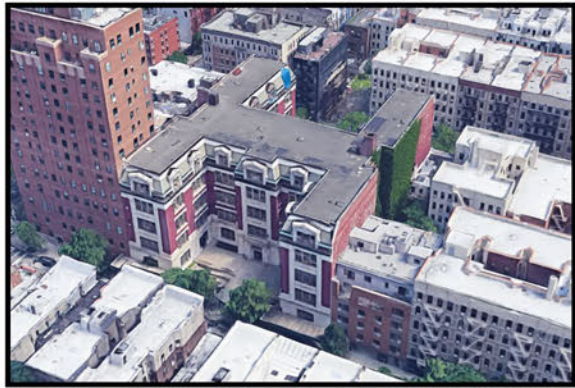


TOMPKINS SQUARE PARK

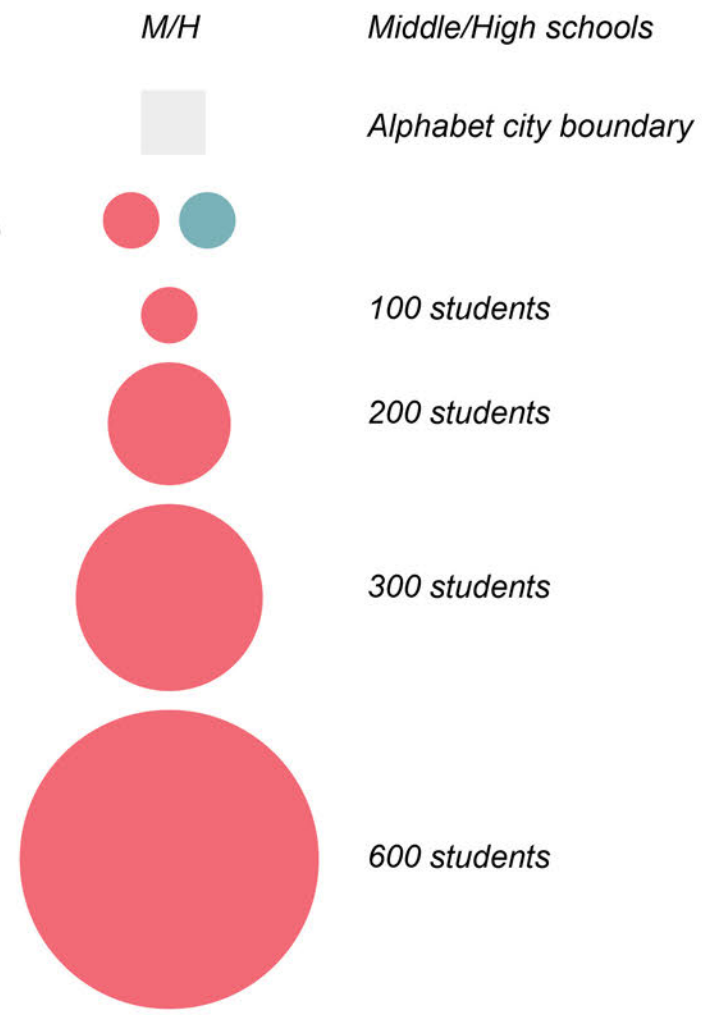
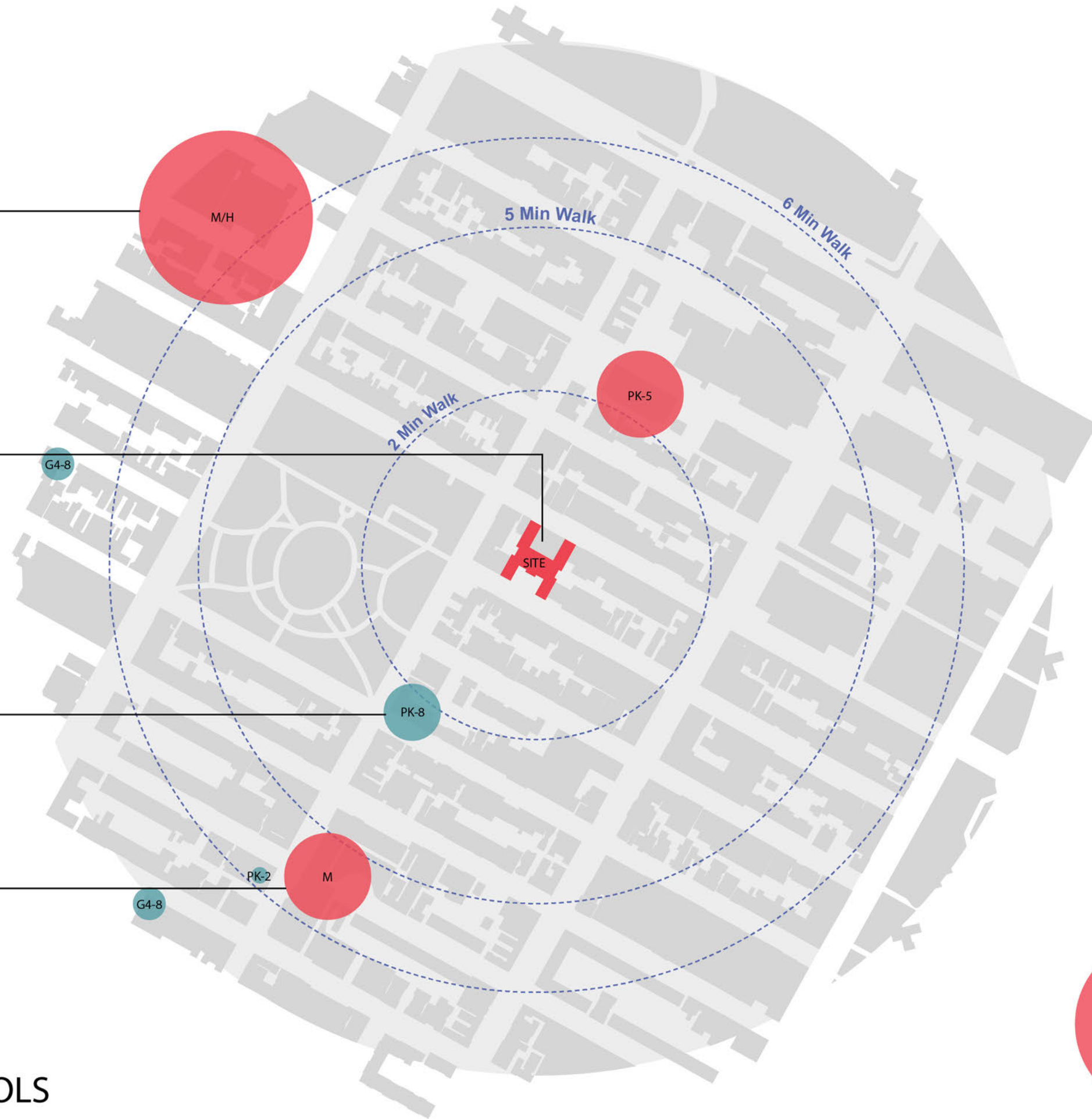


SITE





NETWORK OF SCHOOLS



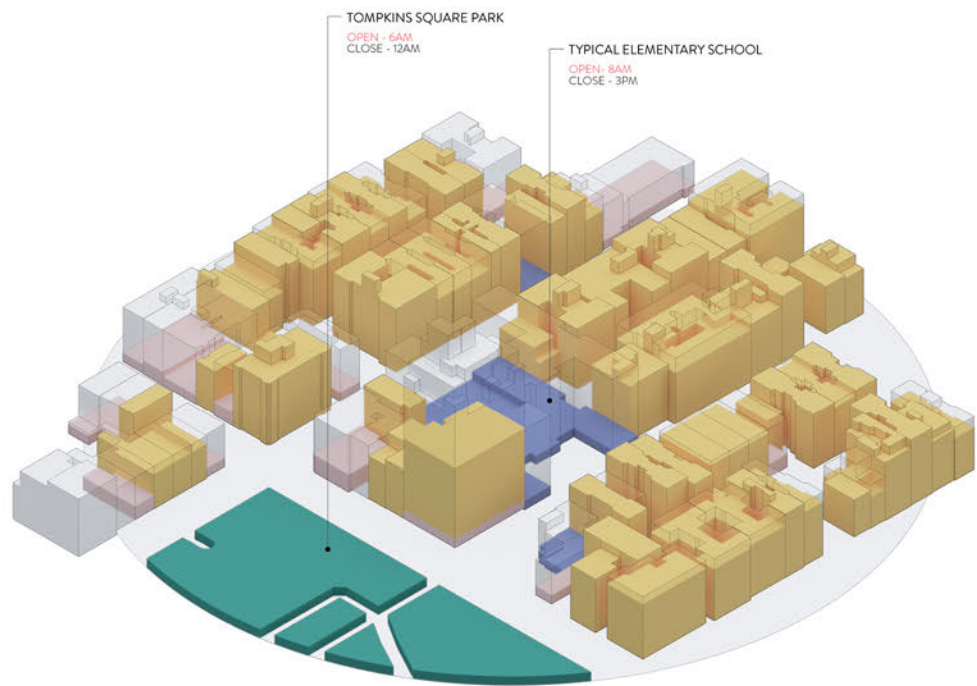




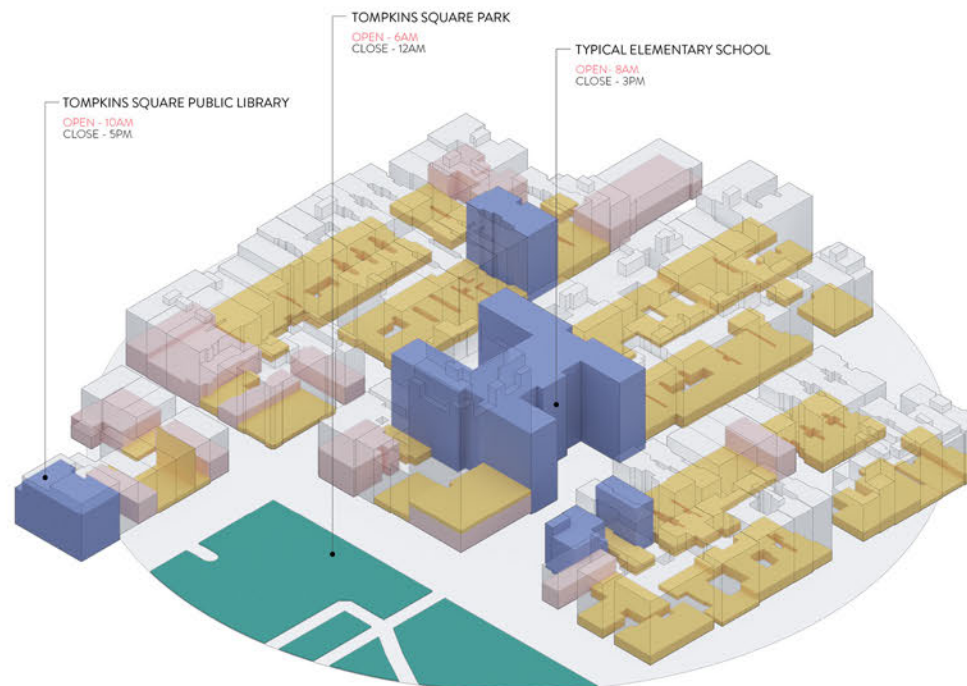




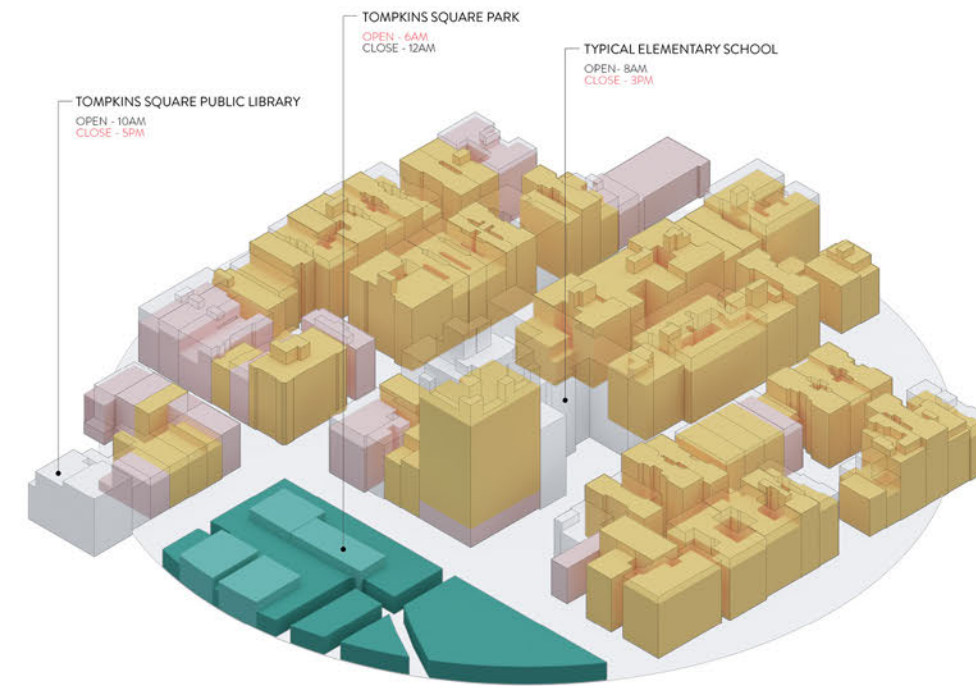




MORNING



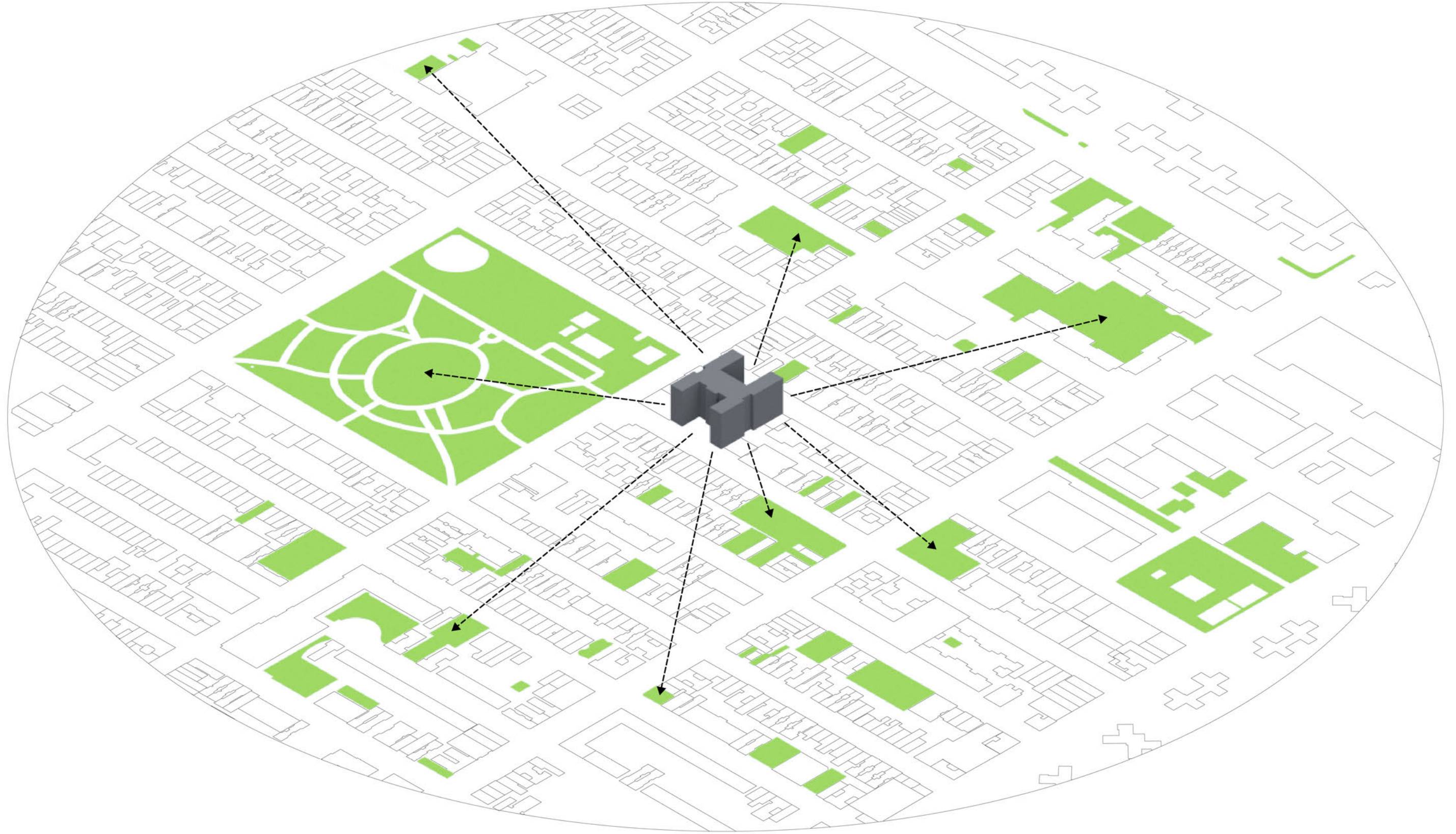
NOON

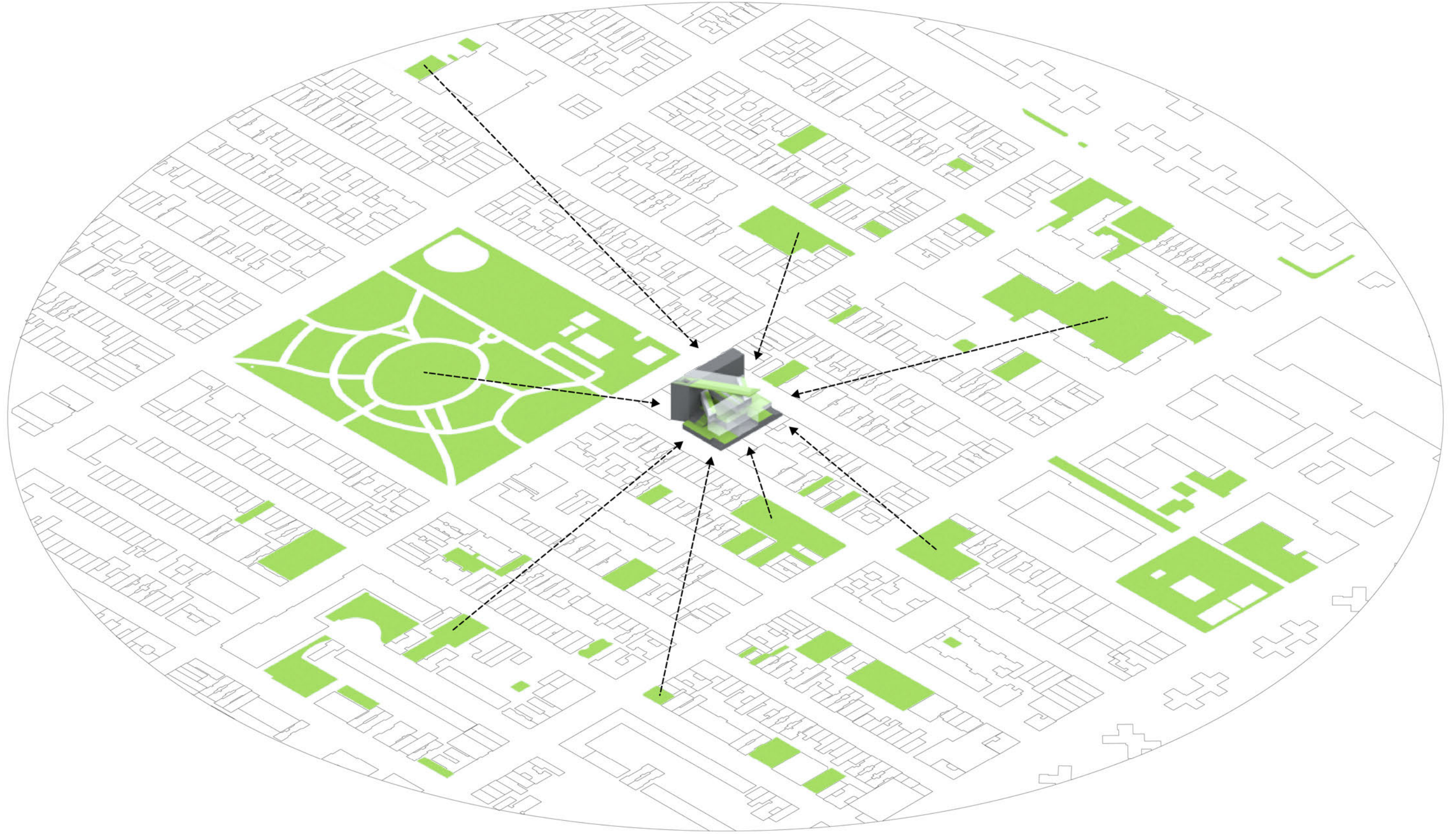


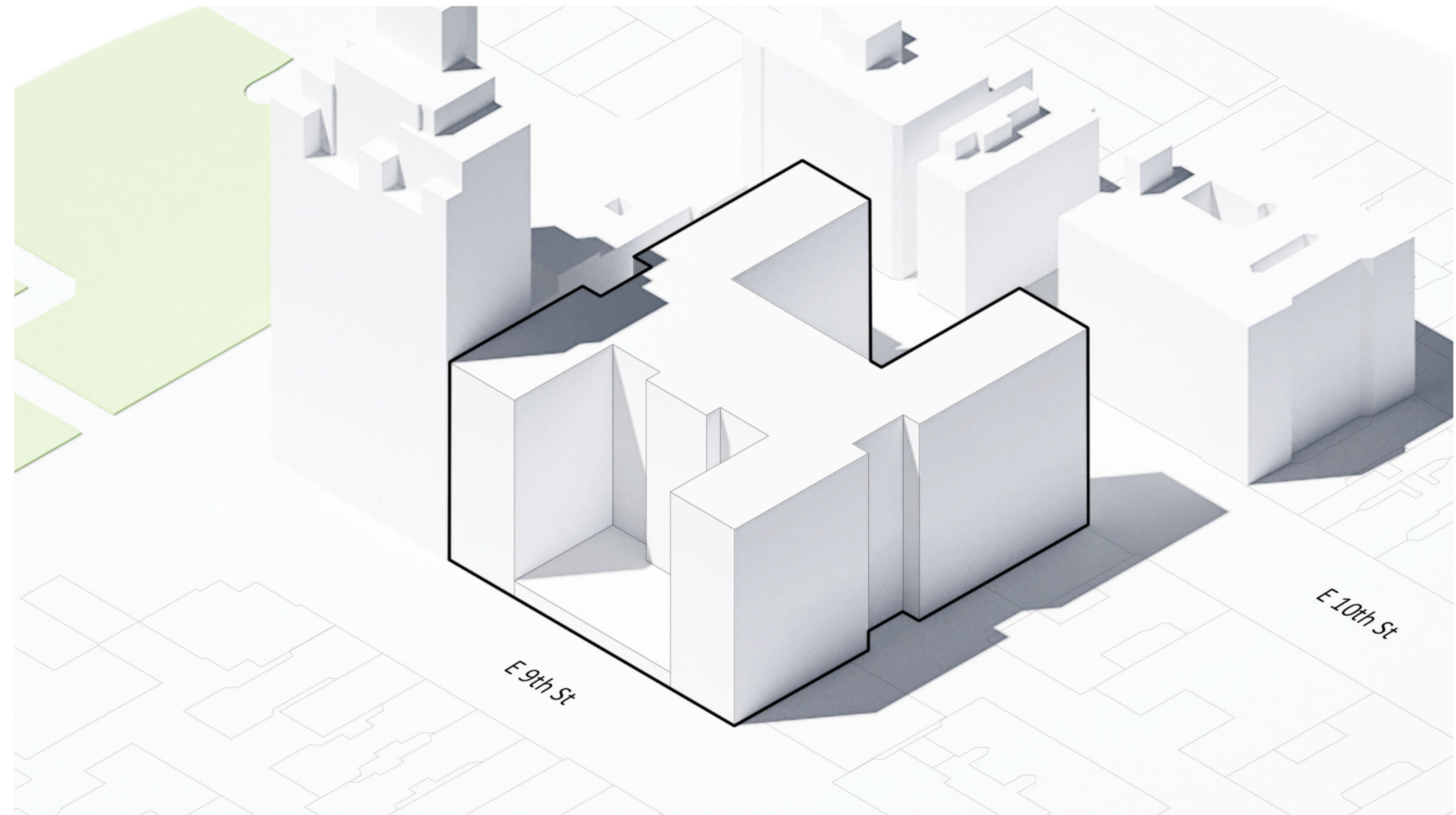
EVENING

- RESIDENTIAL
- INSTITUTION
- COMMERCIAL
- PARK
- SPORTS FIELDS

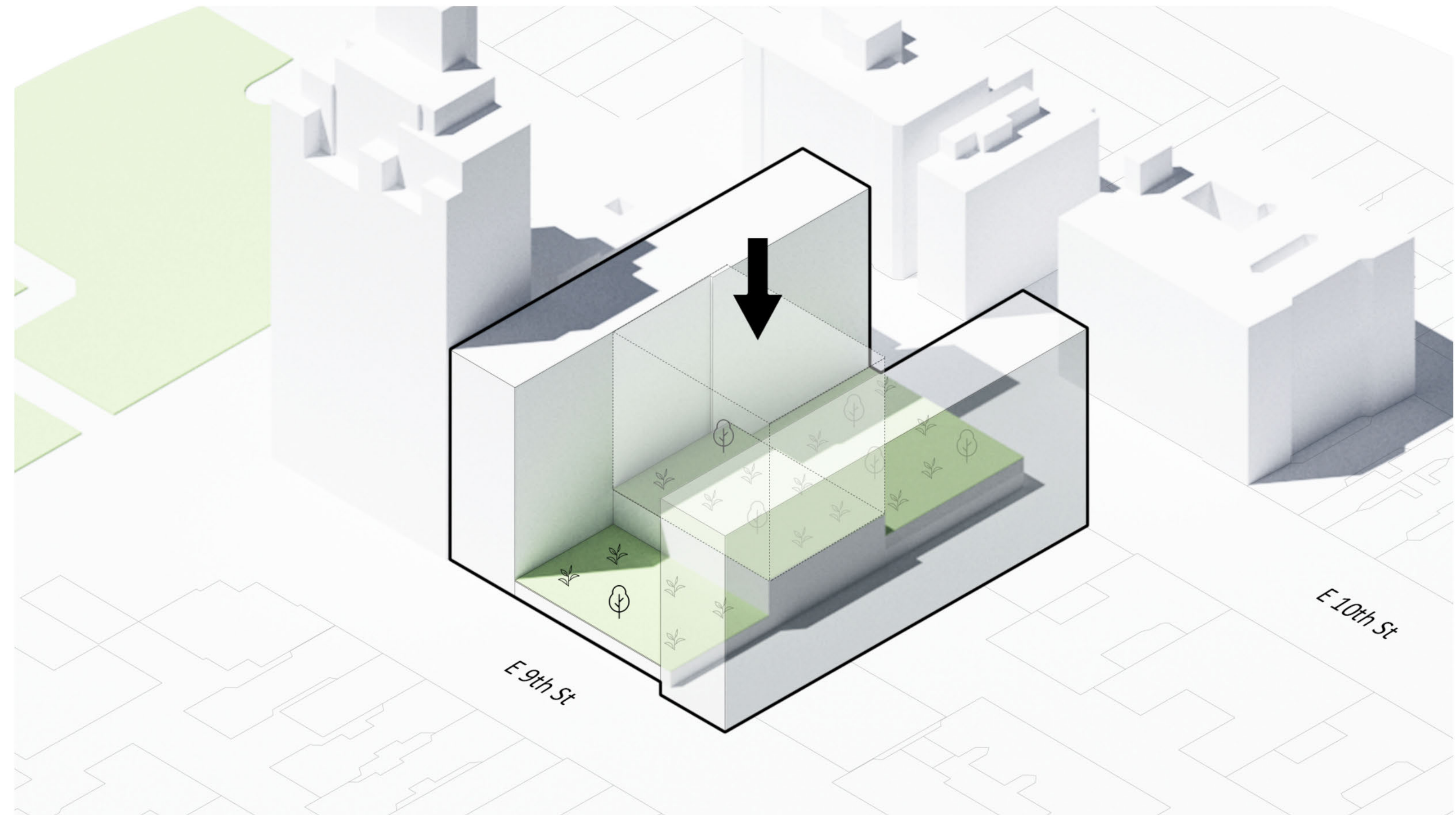
OCCUPANCY DIAGRAM



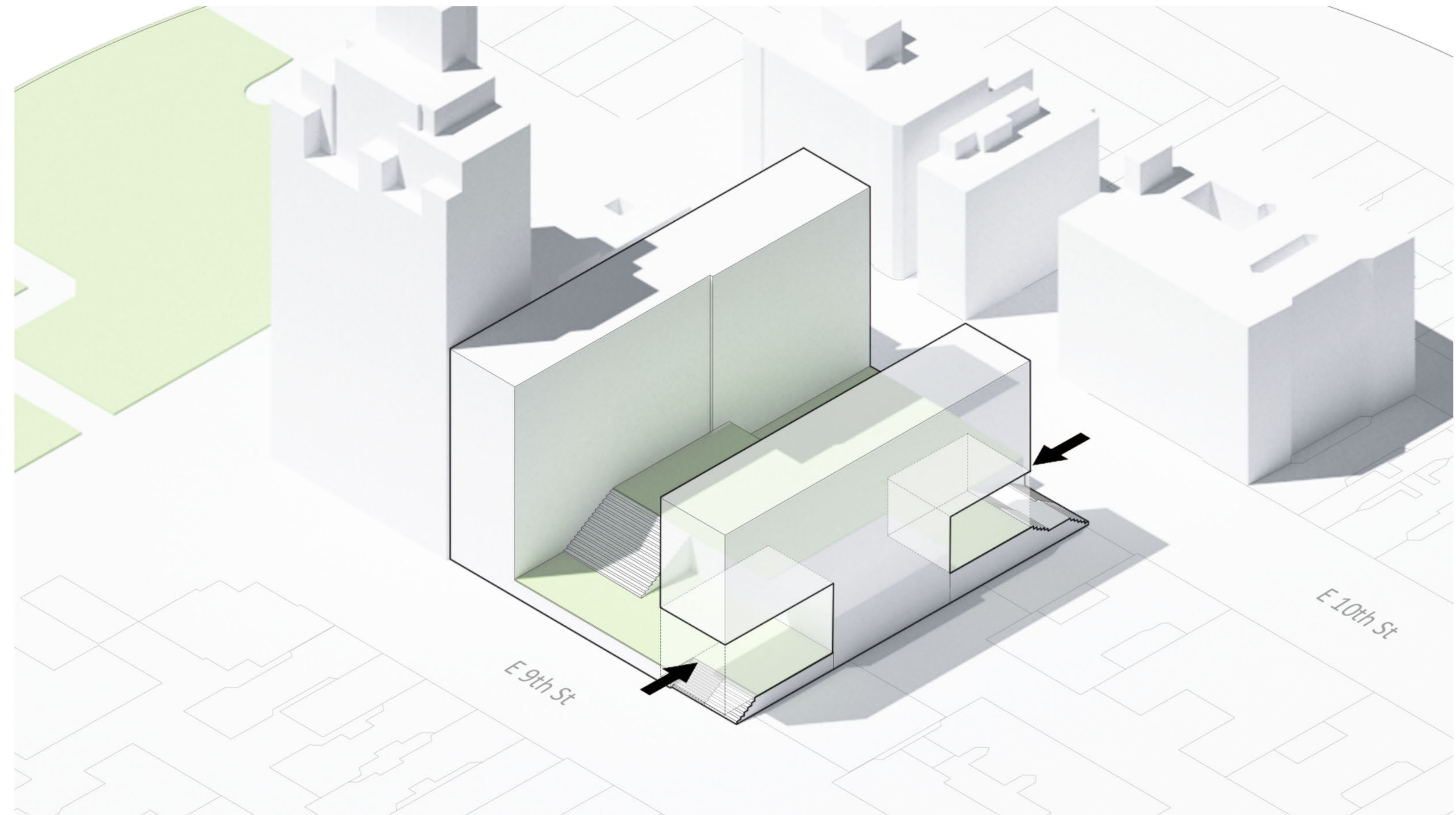




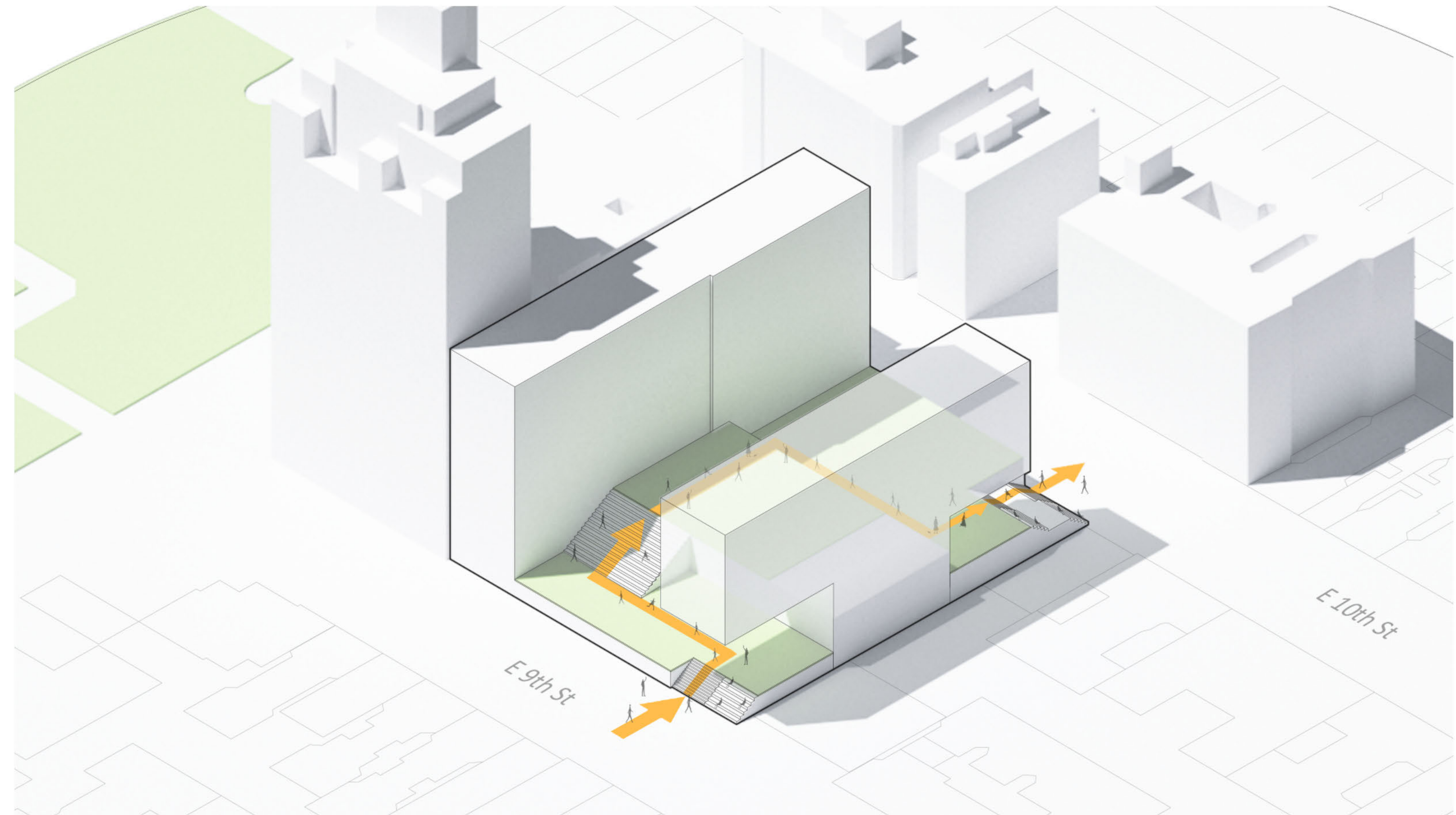
EXISTING MASSING



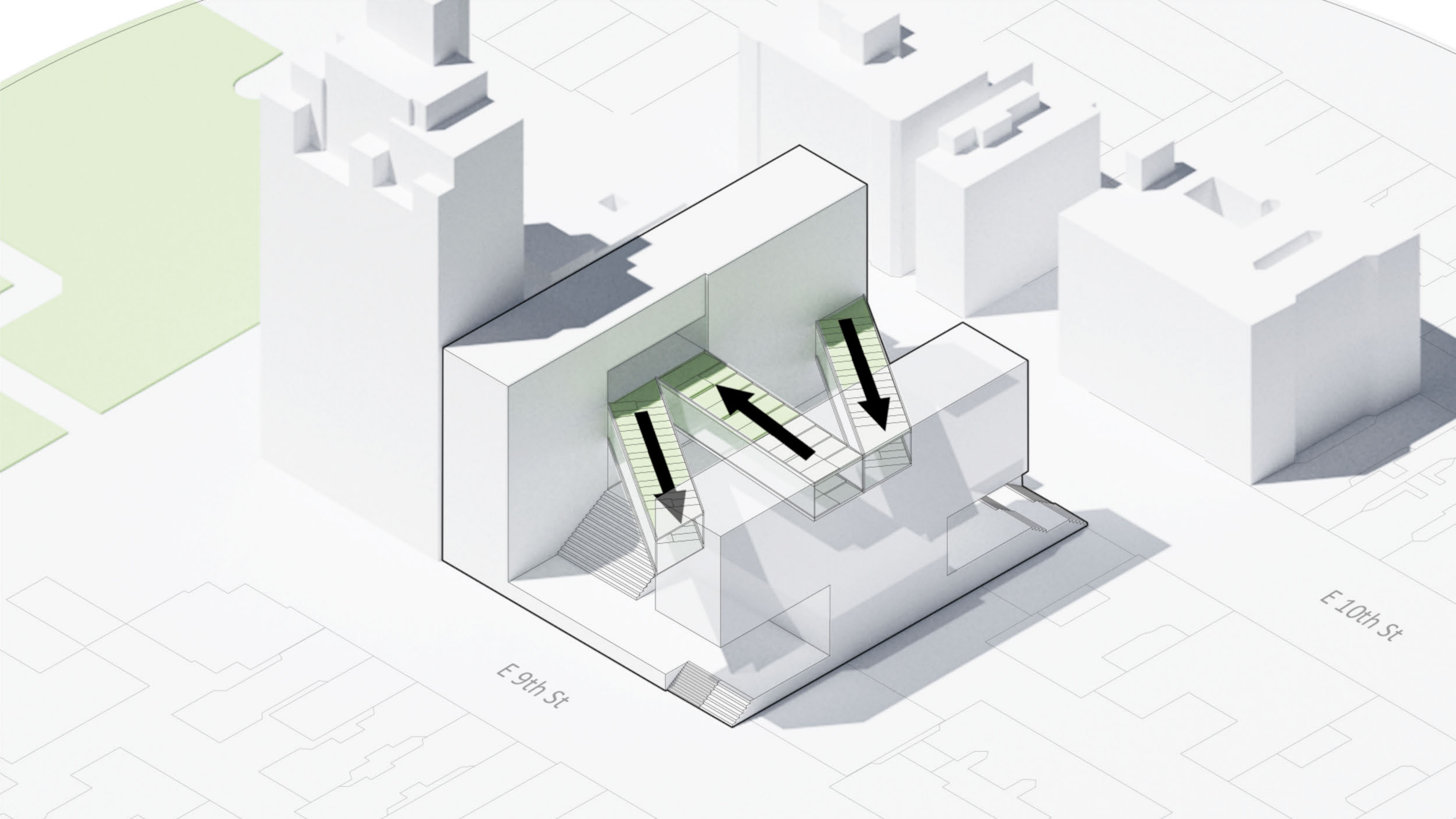
TERRACE



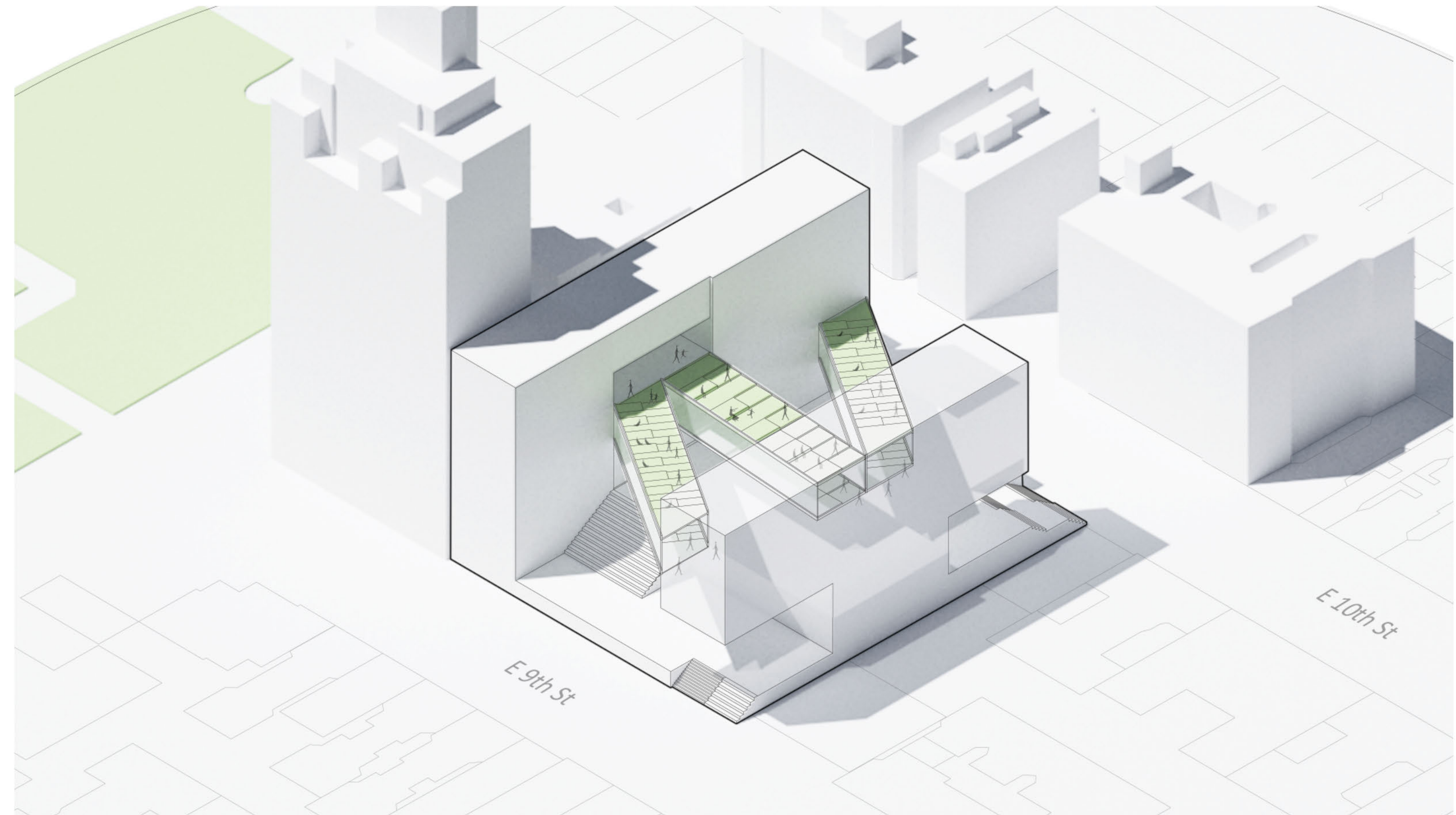
ENTRANCES



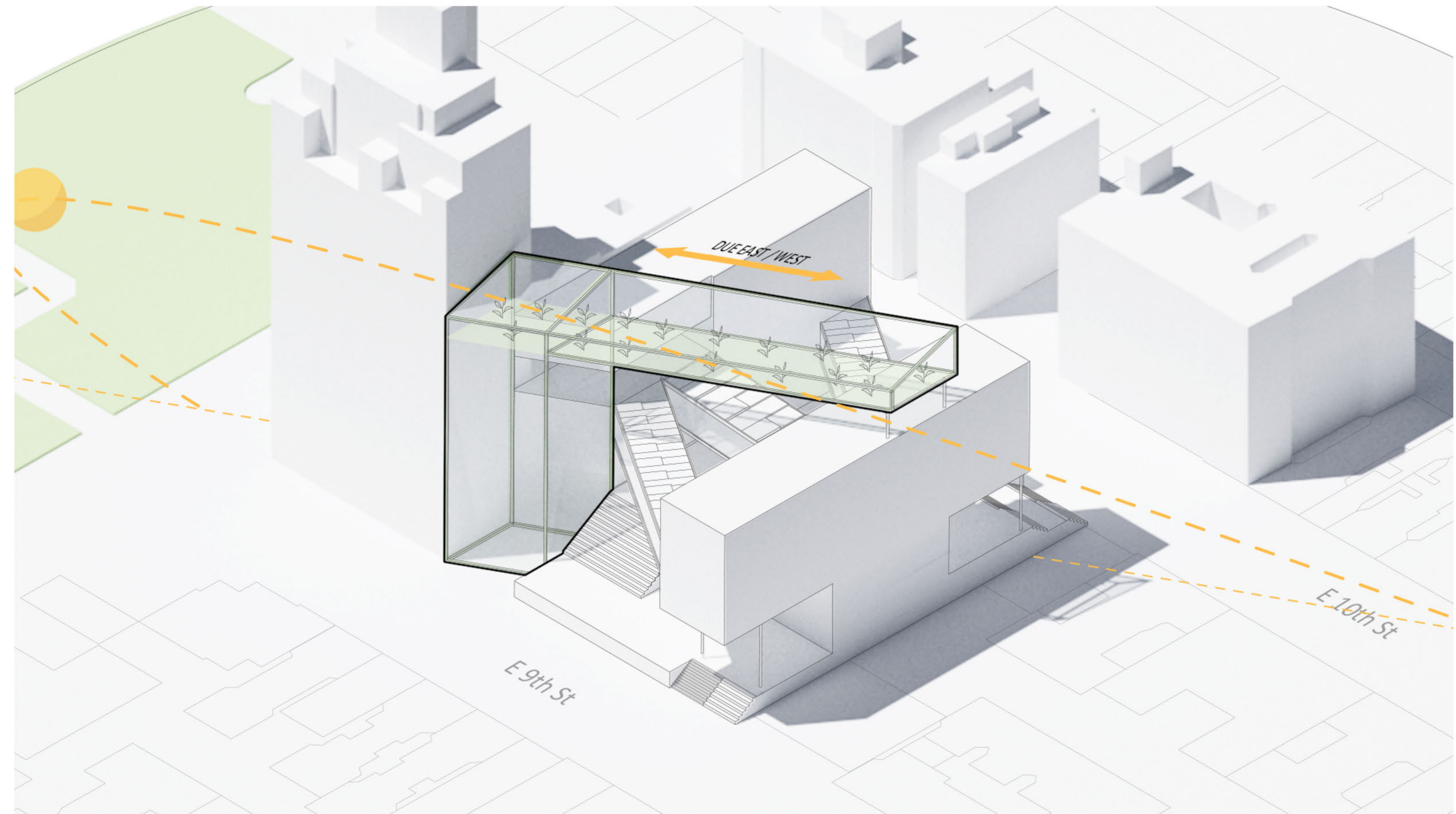
PUBLIC ACCESS



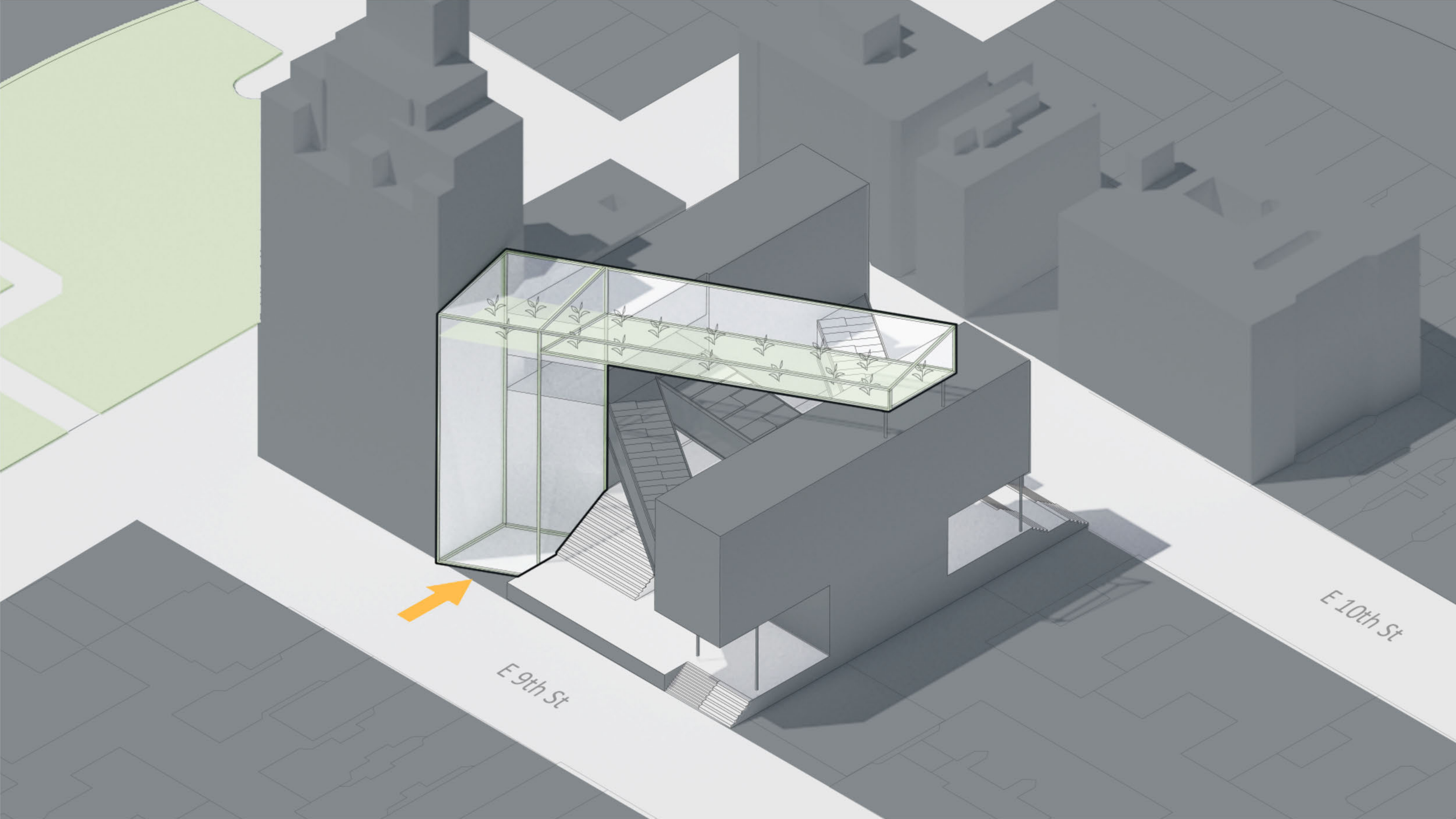
EW WINGS CONNECTION



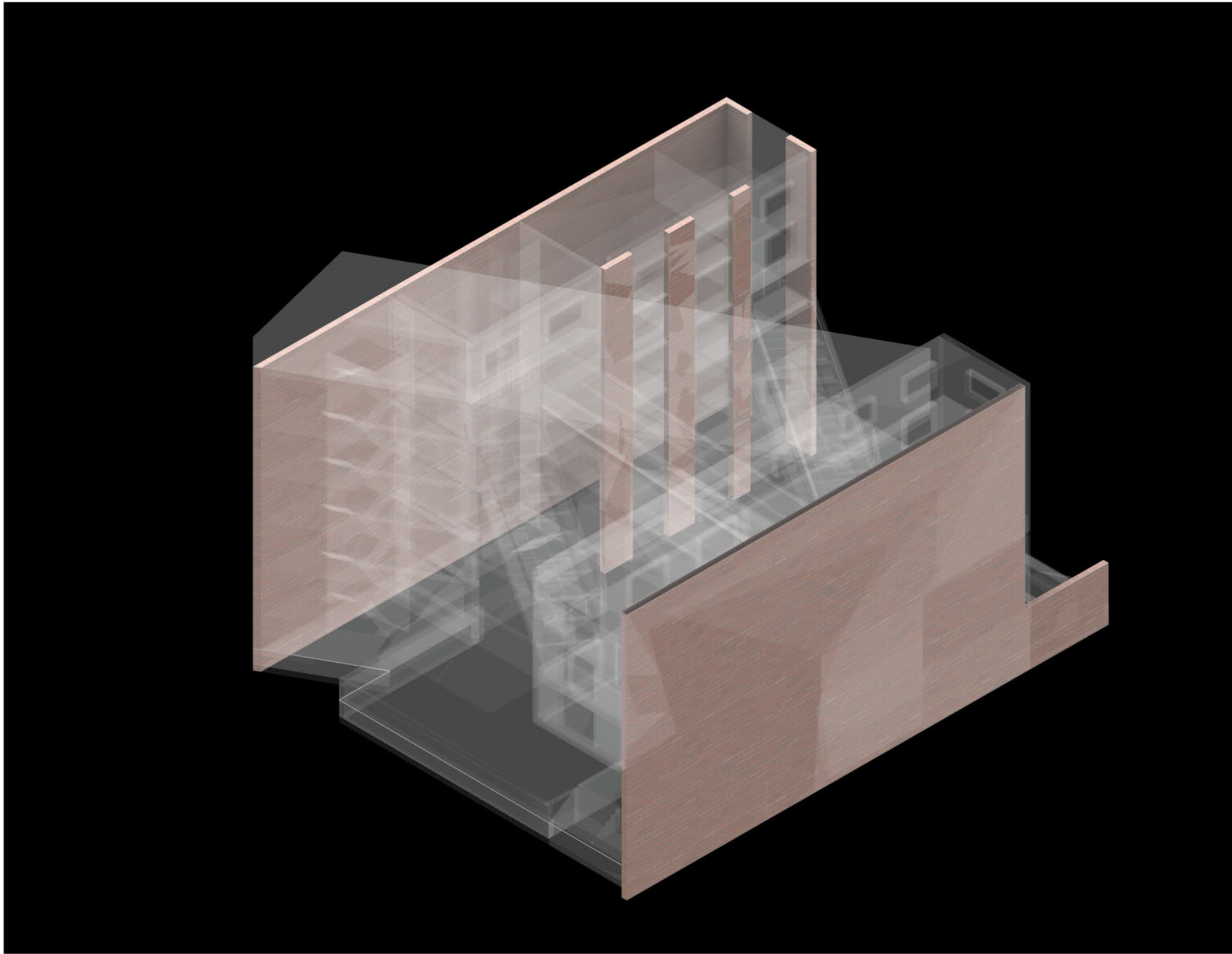
EW WINGS CIRCULATION



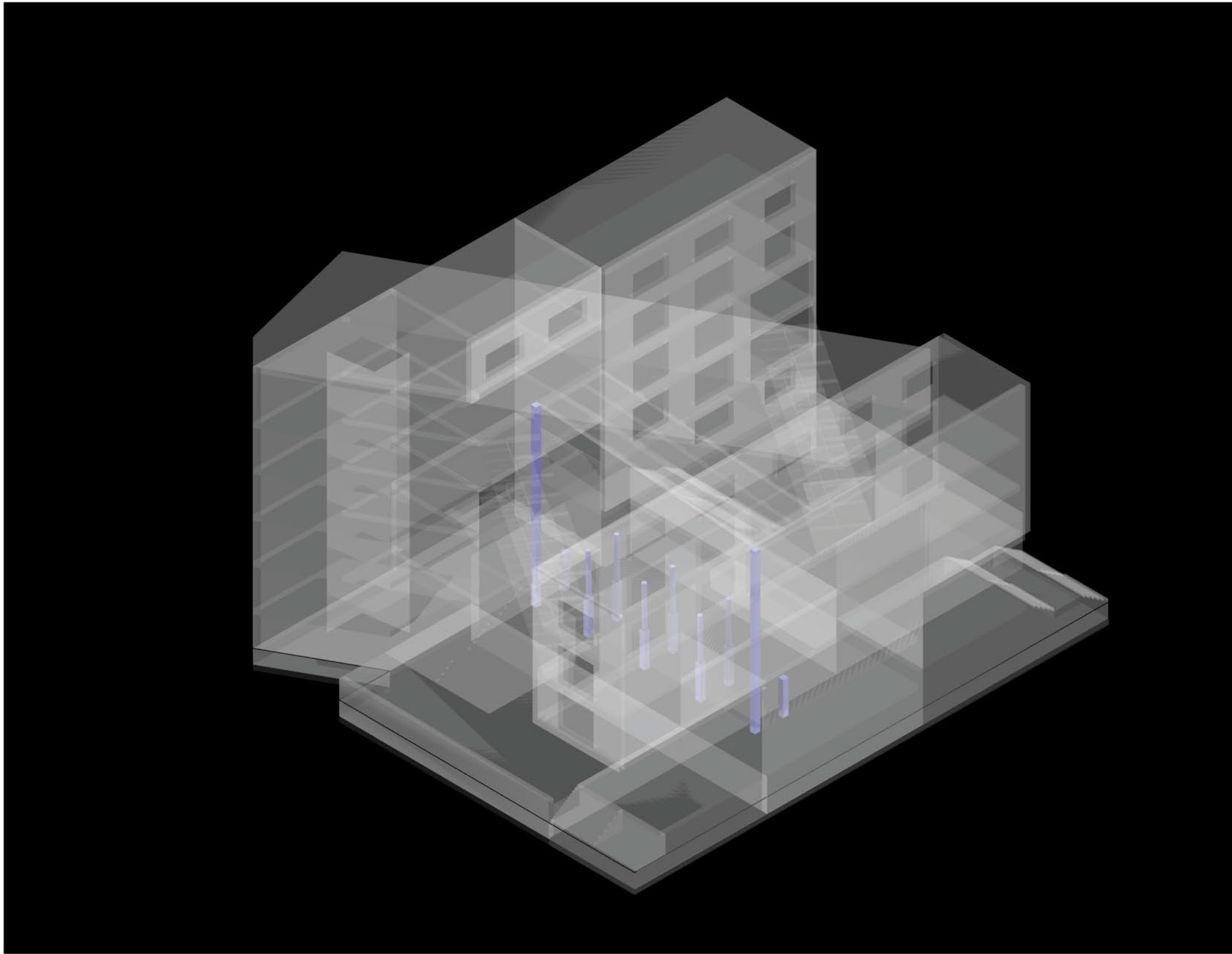
PUBLIC LIBRARY + GREEN HOUSE



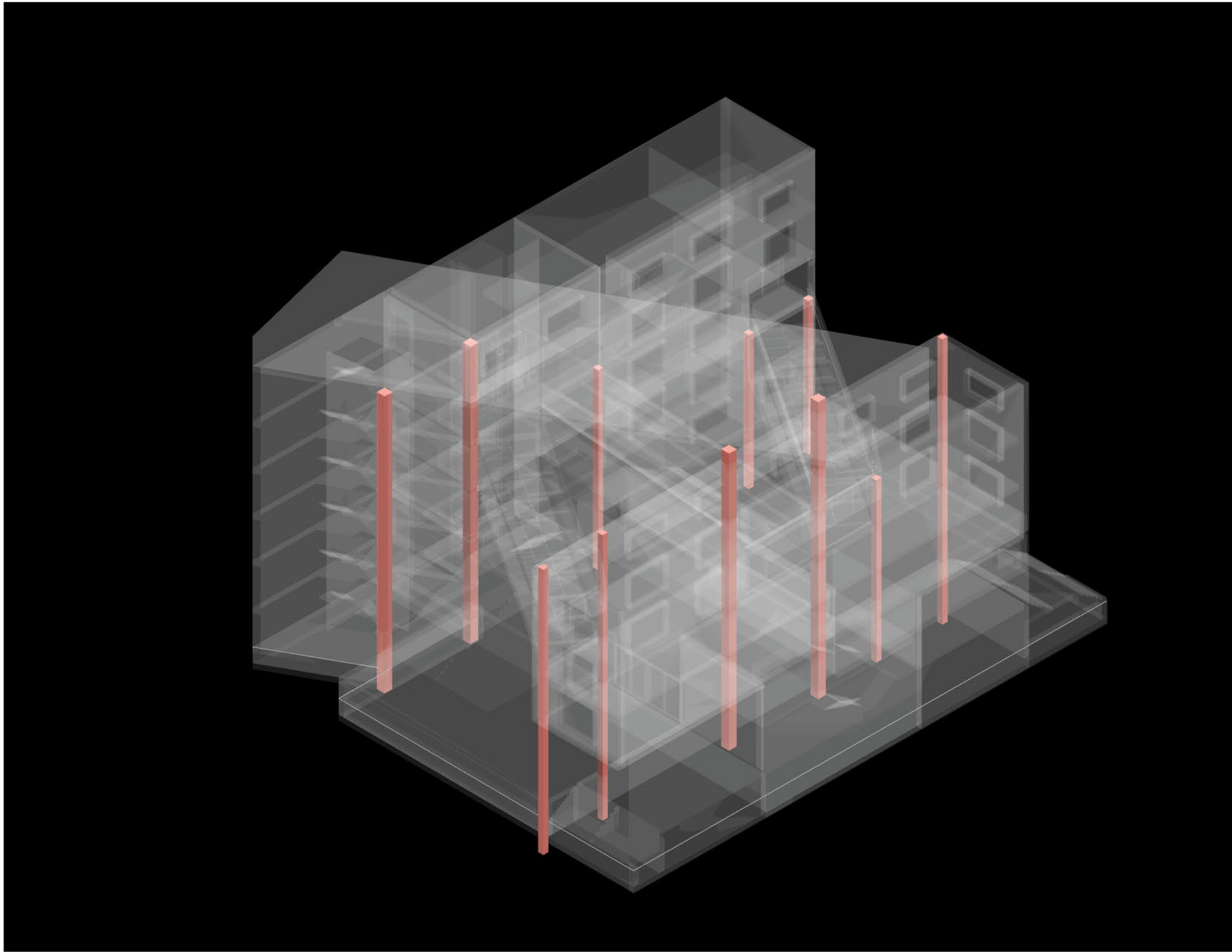
AFTERHOURS



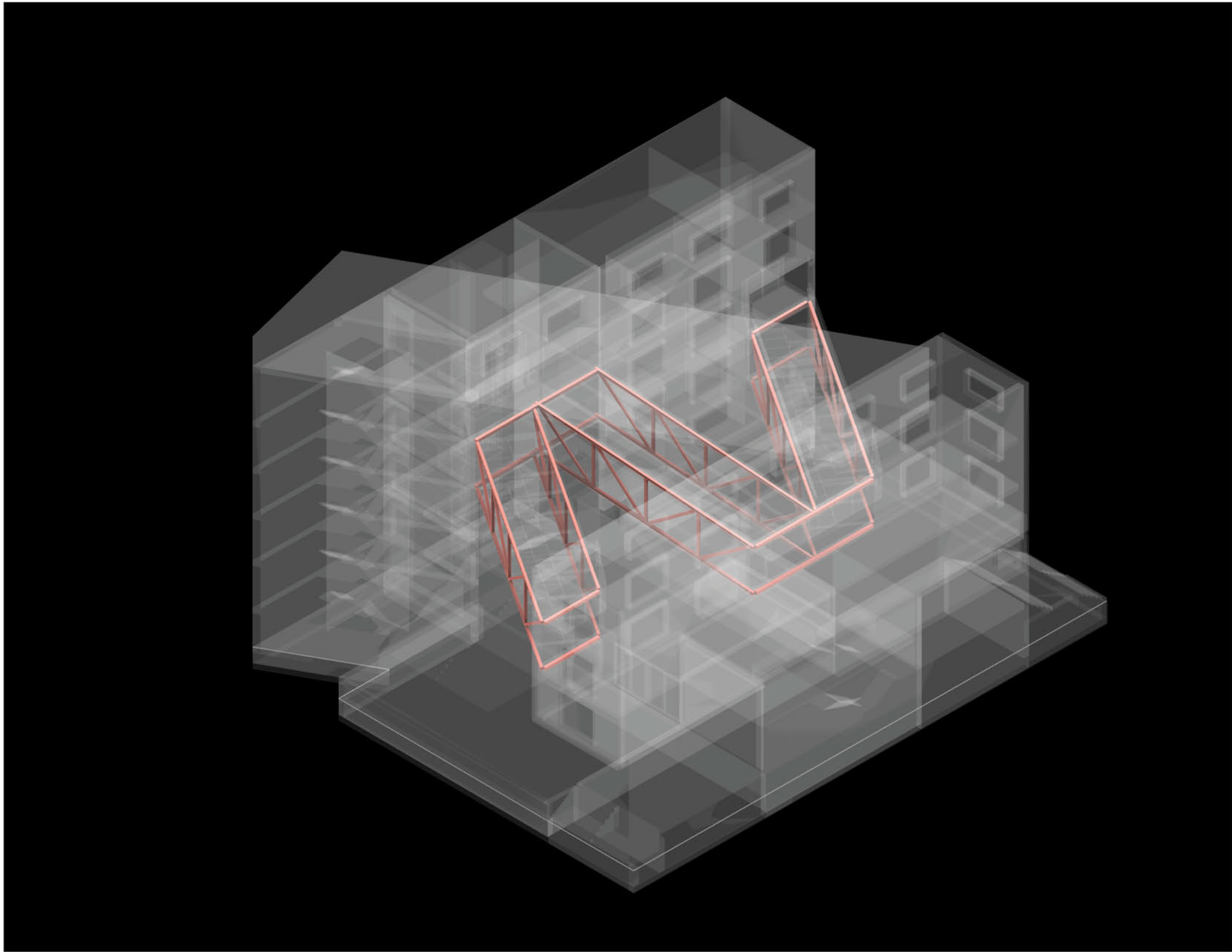
PRESERVED MASONRY WALL

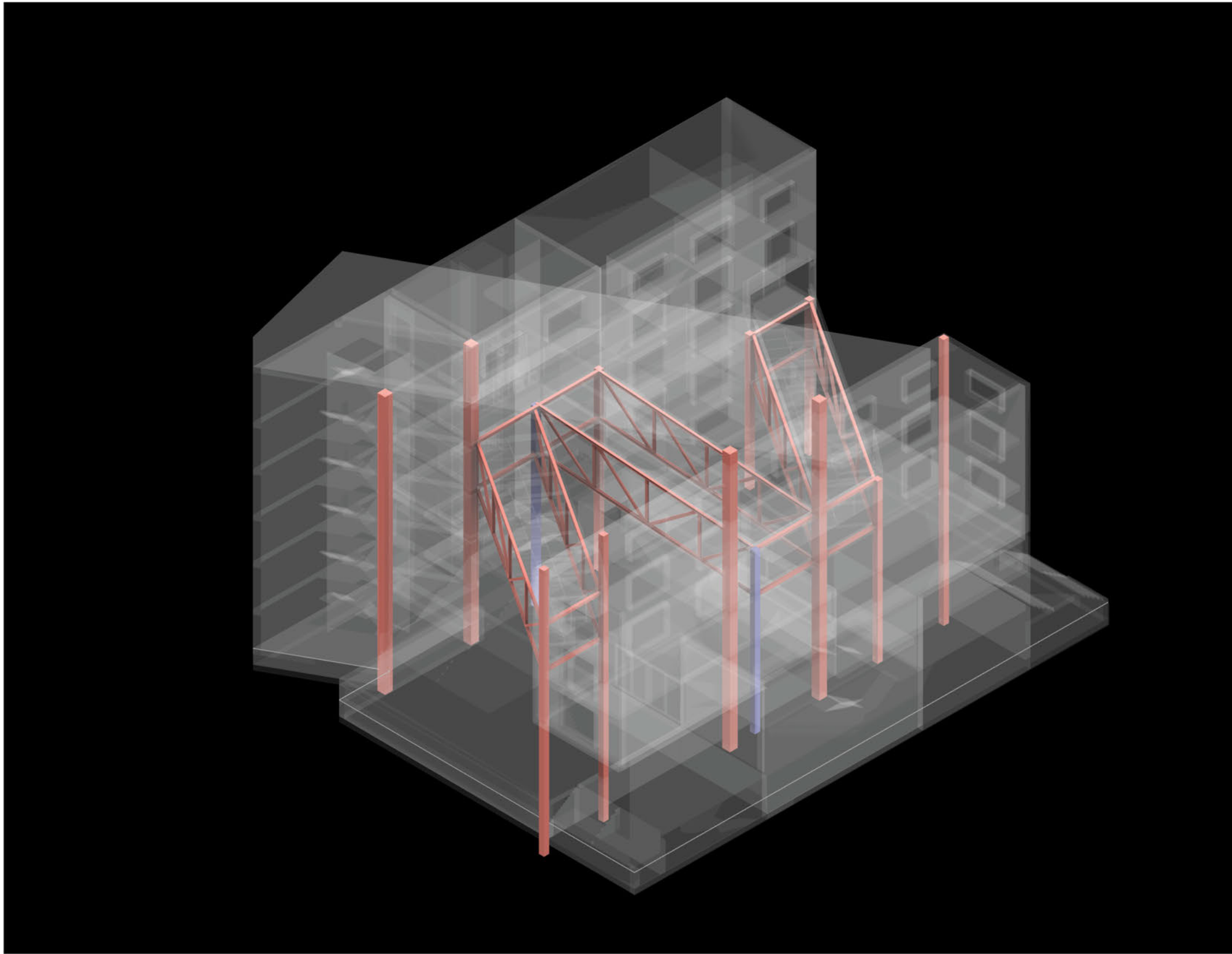


PRESERVED COLUMNS

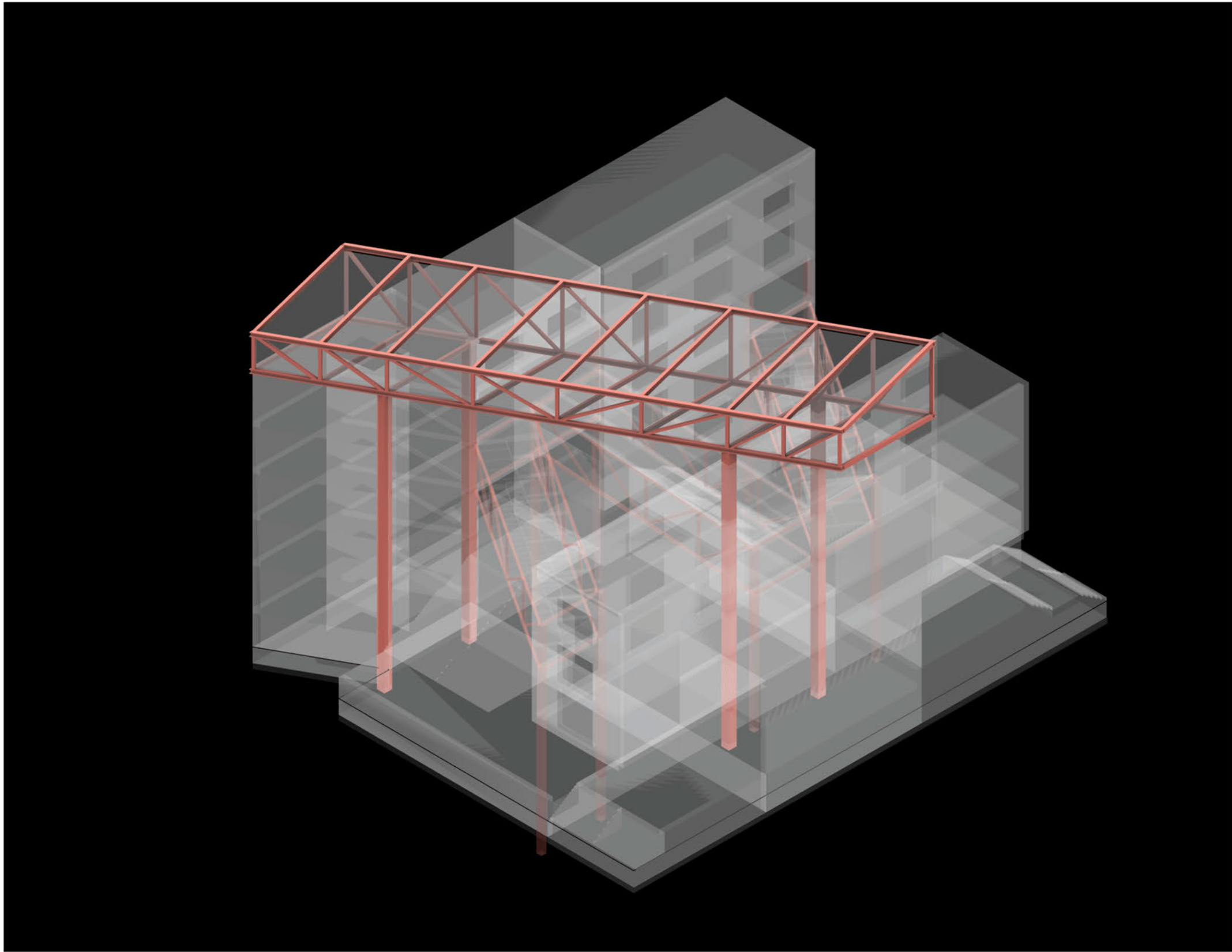


NEW COLUMNS

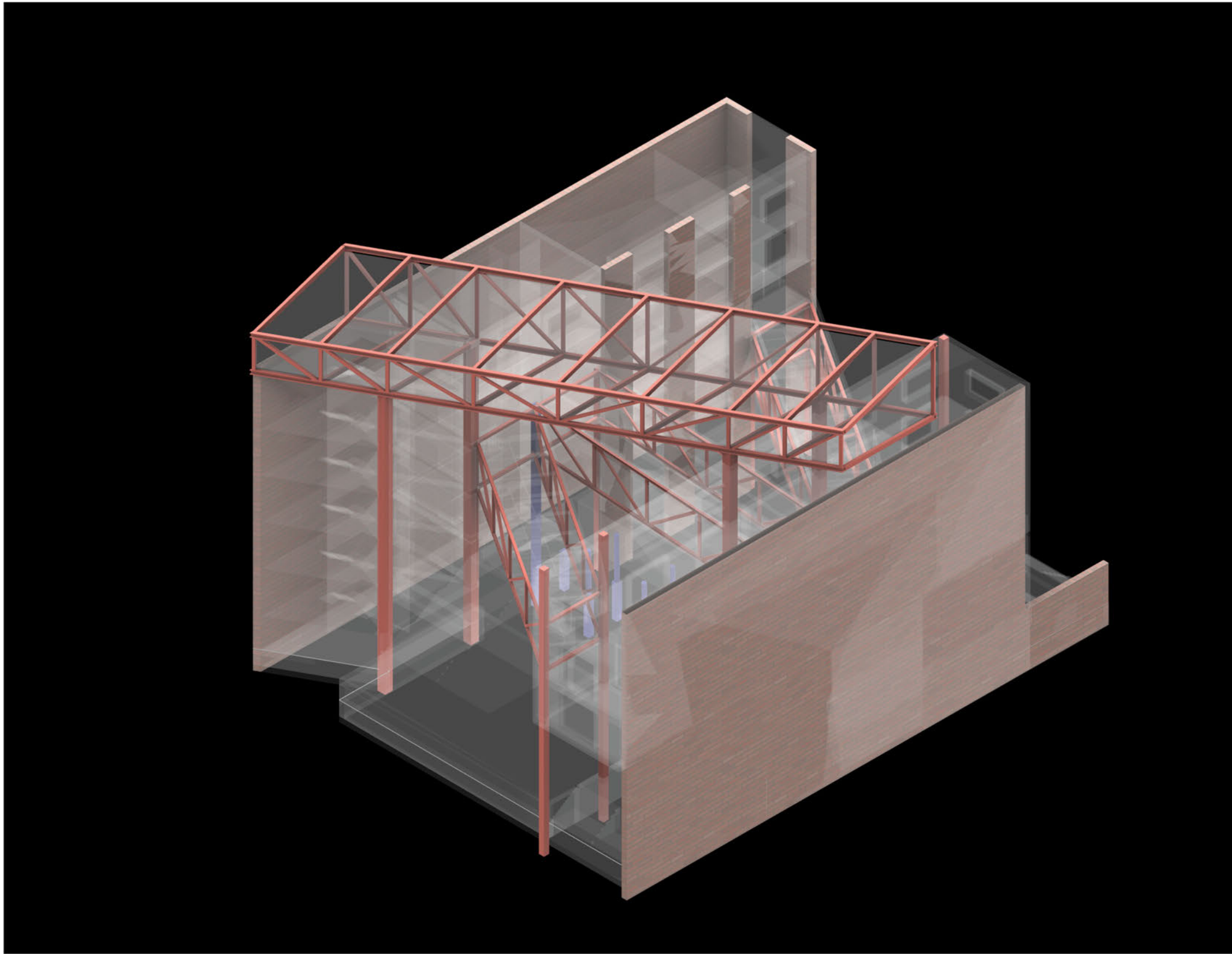




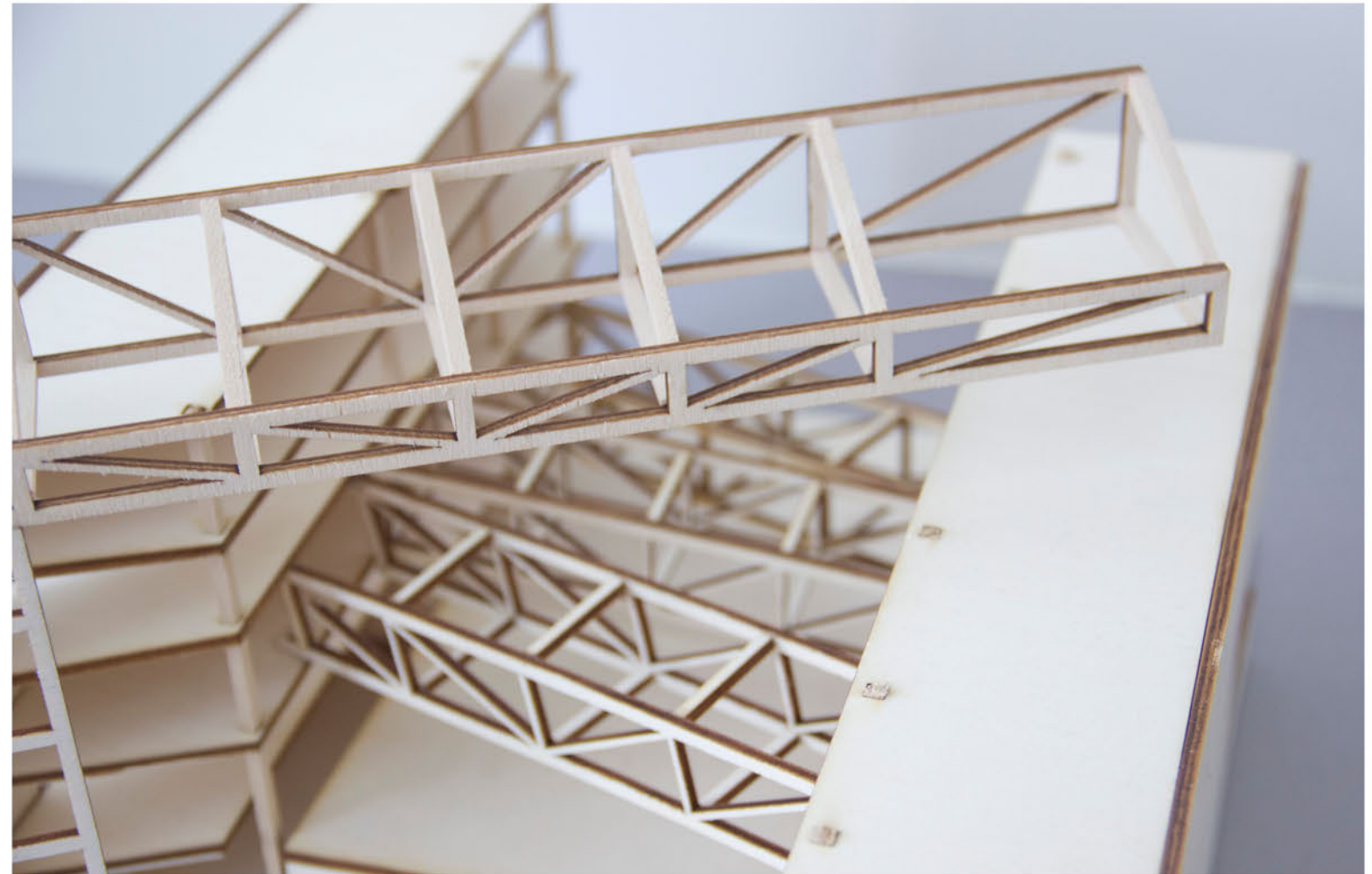
TRUSS CONNECT TO COLUMNS



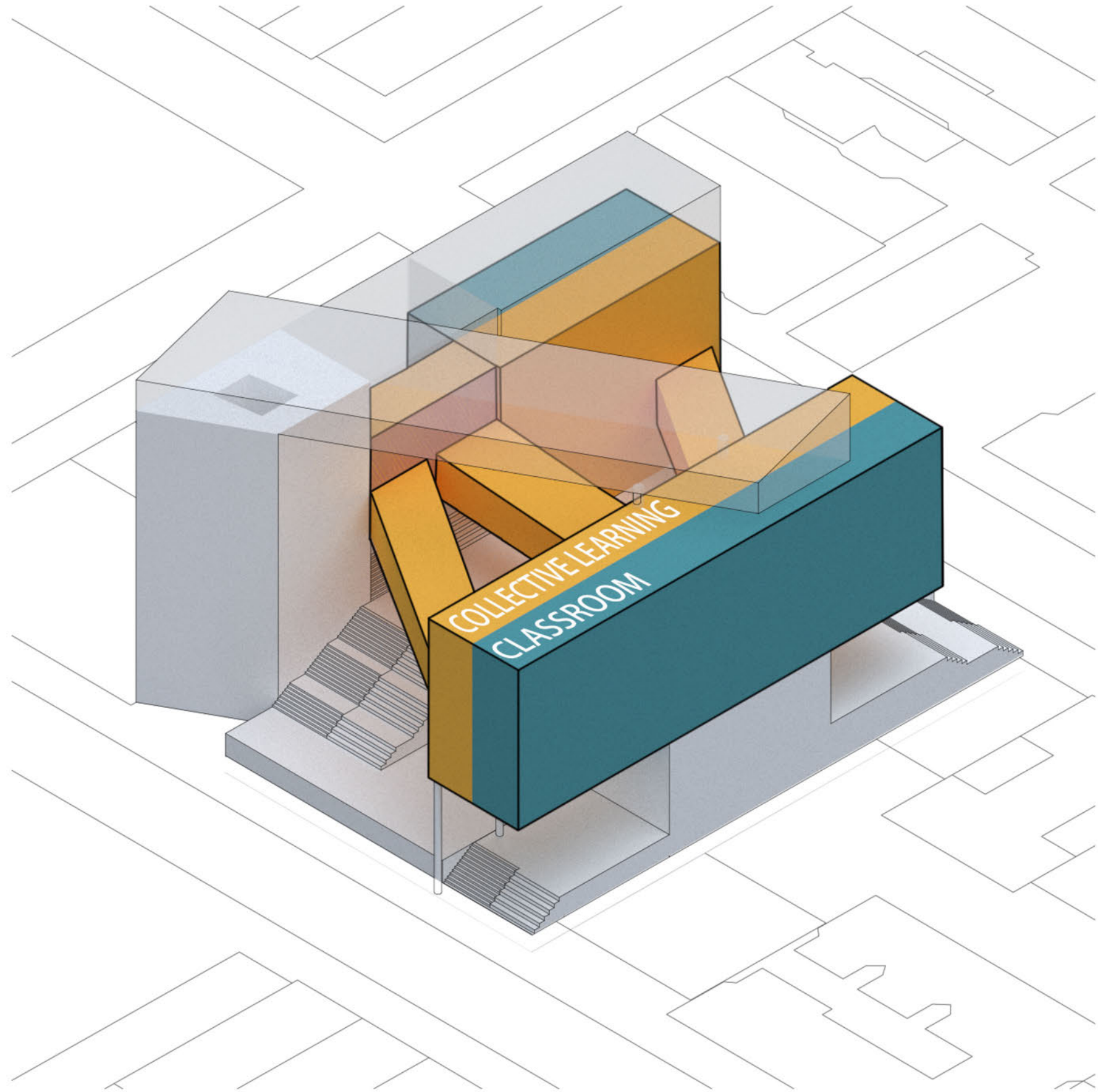
LARGE TRUSS

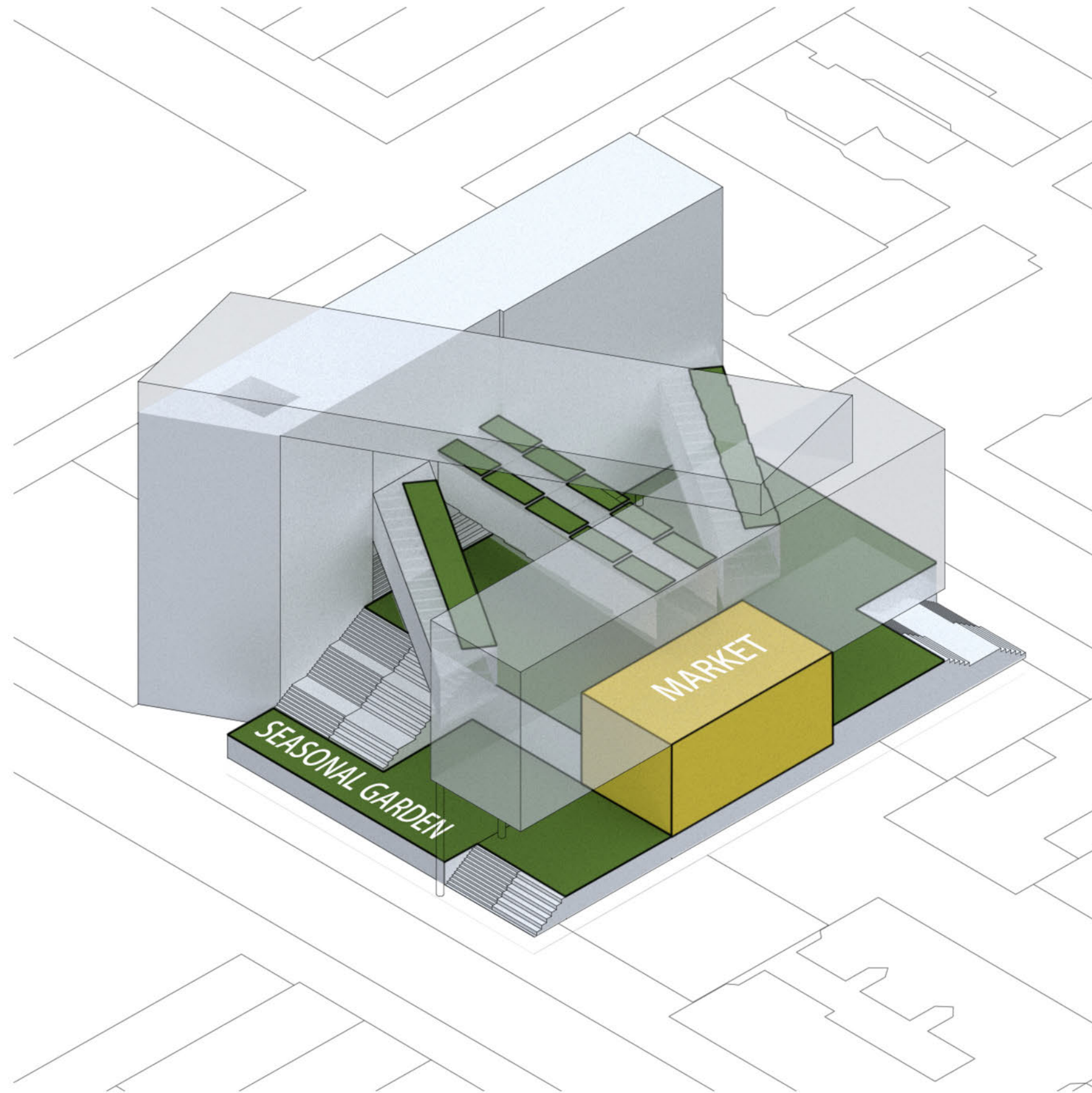


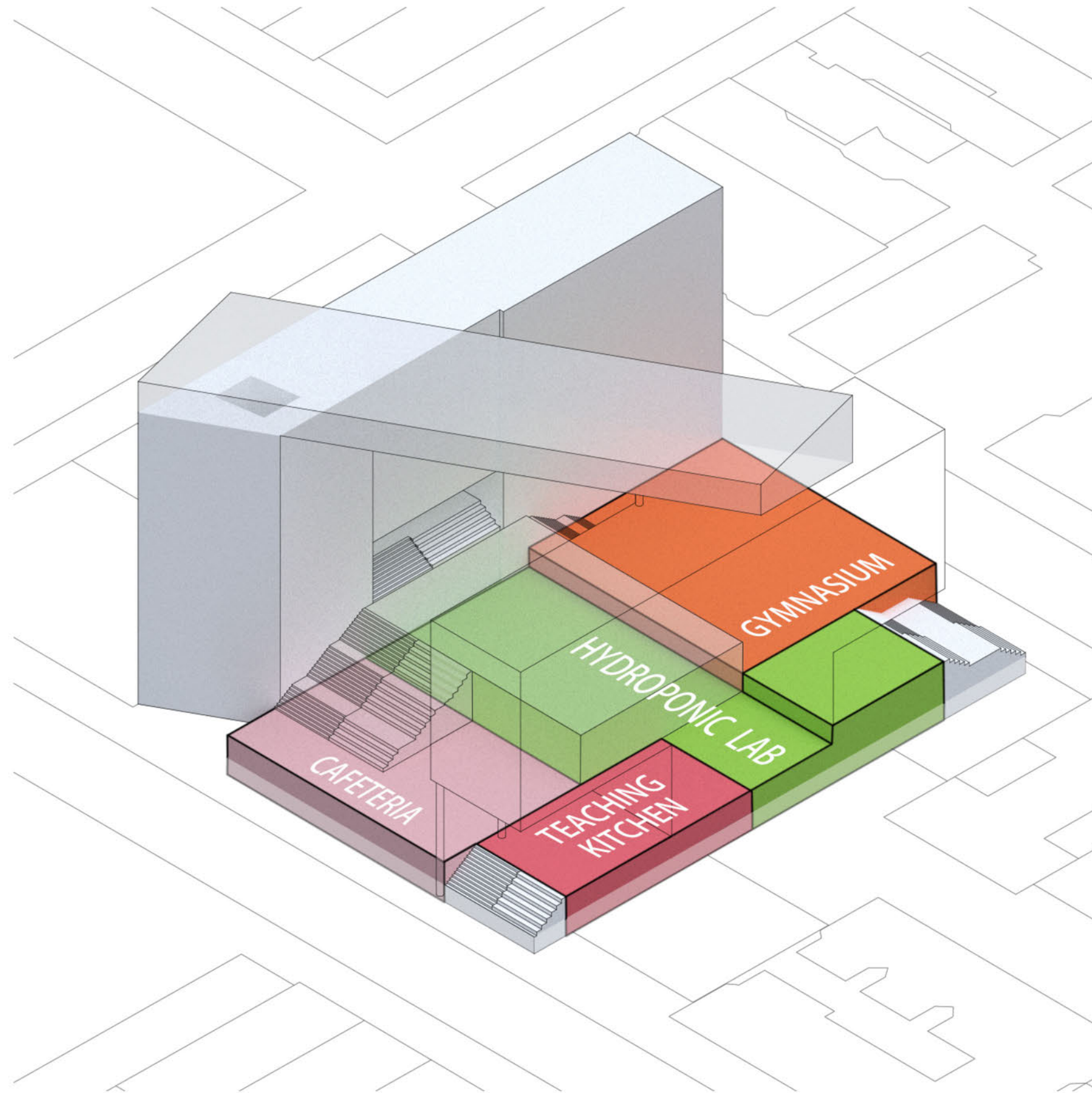
OVERALL STRUCTURE

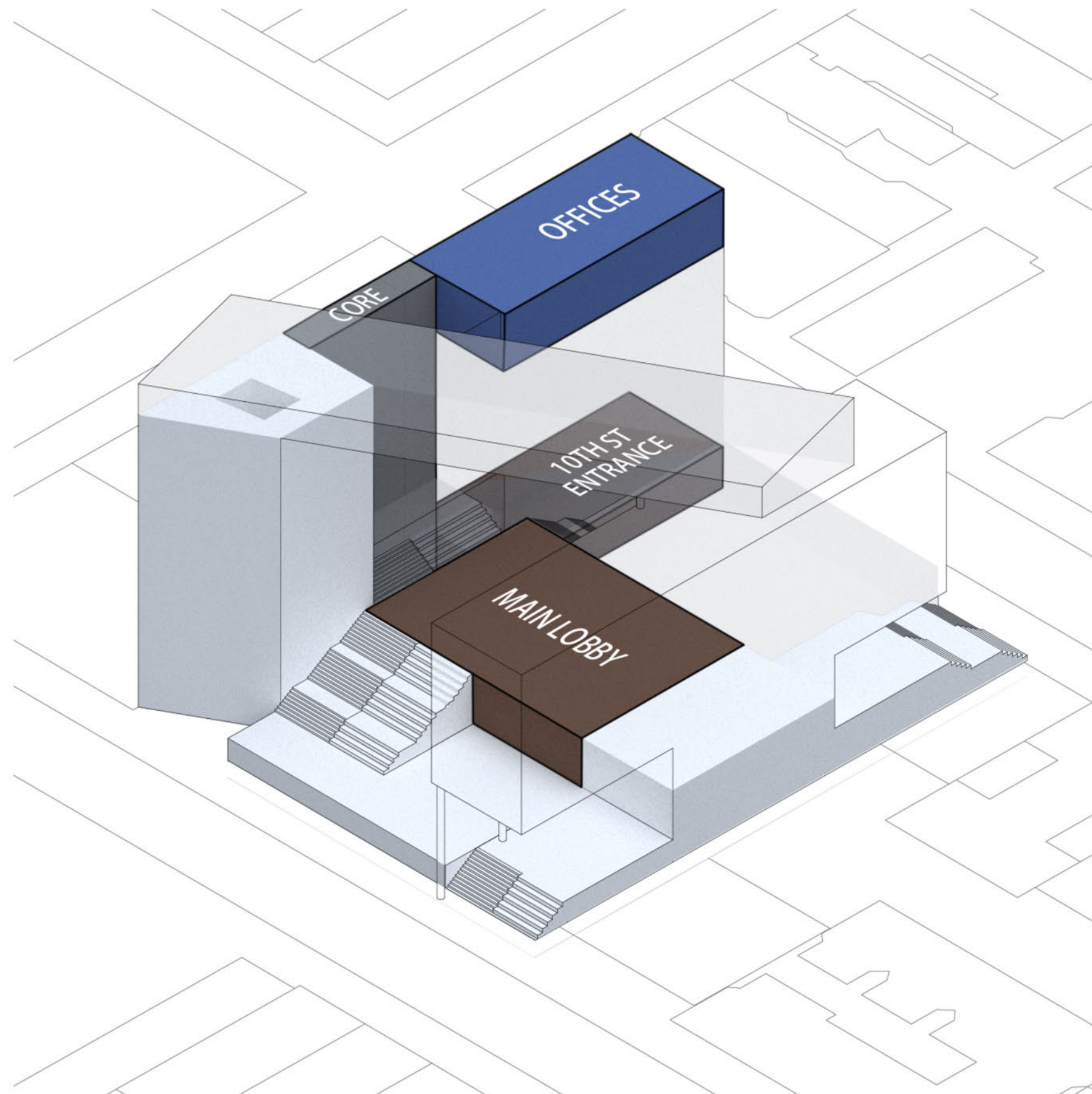


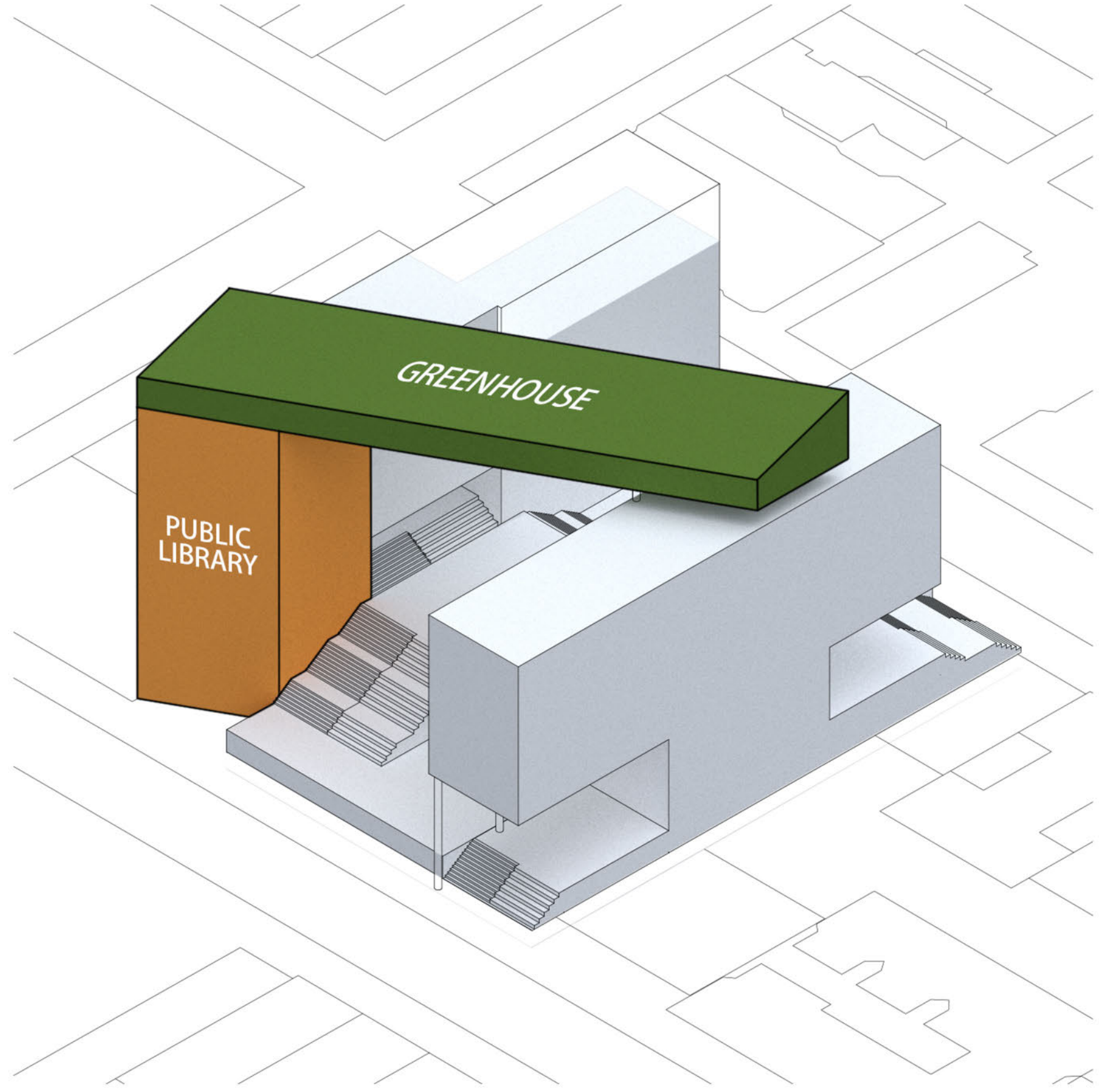
Structure Model



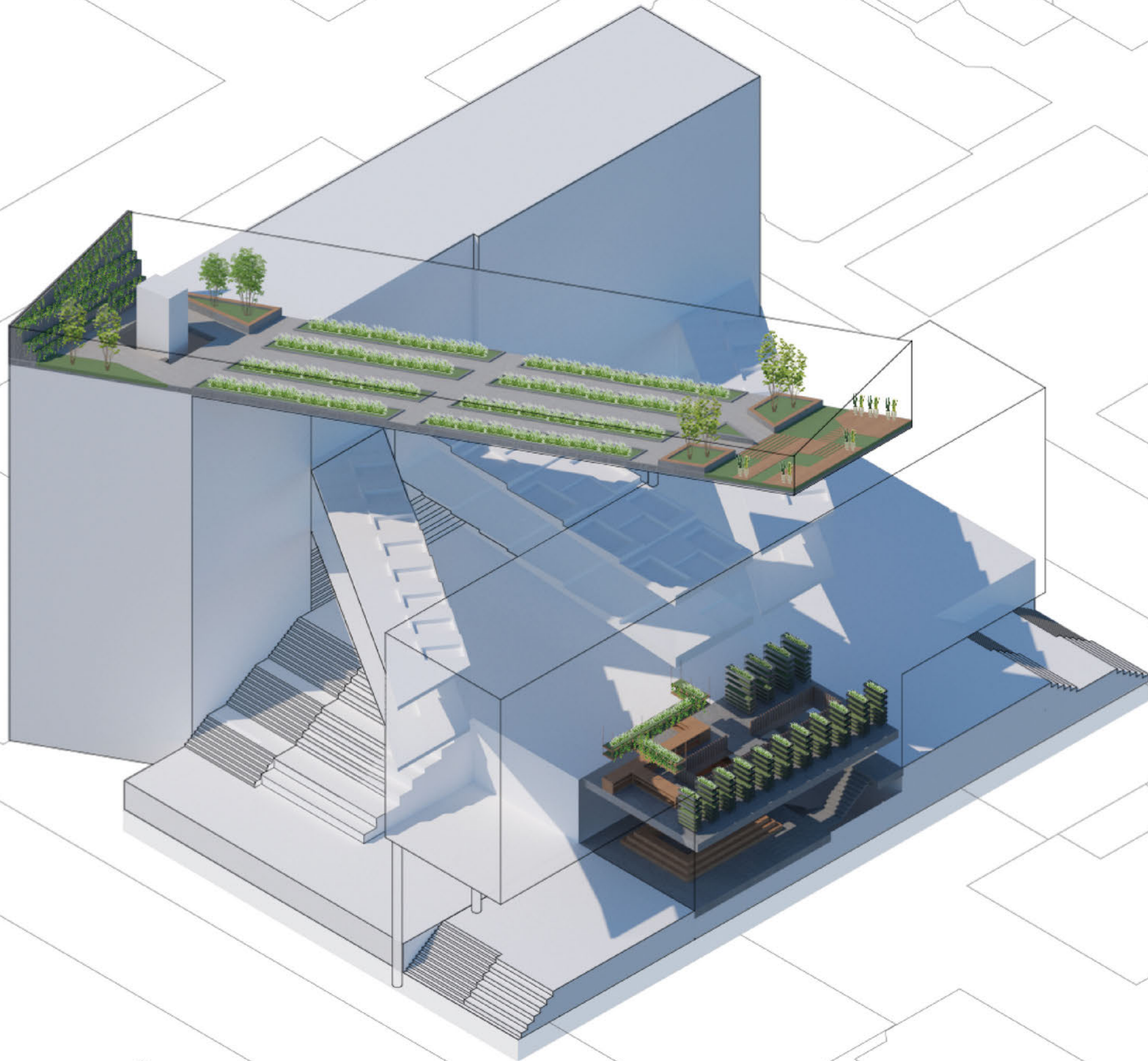


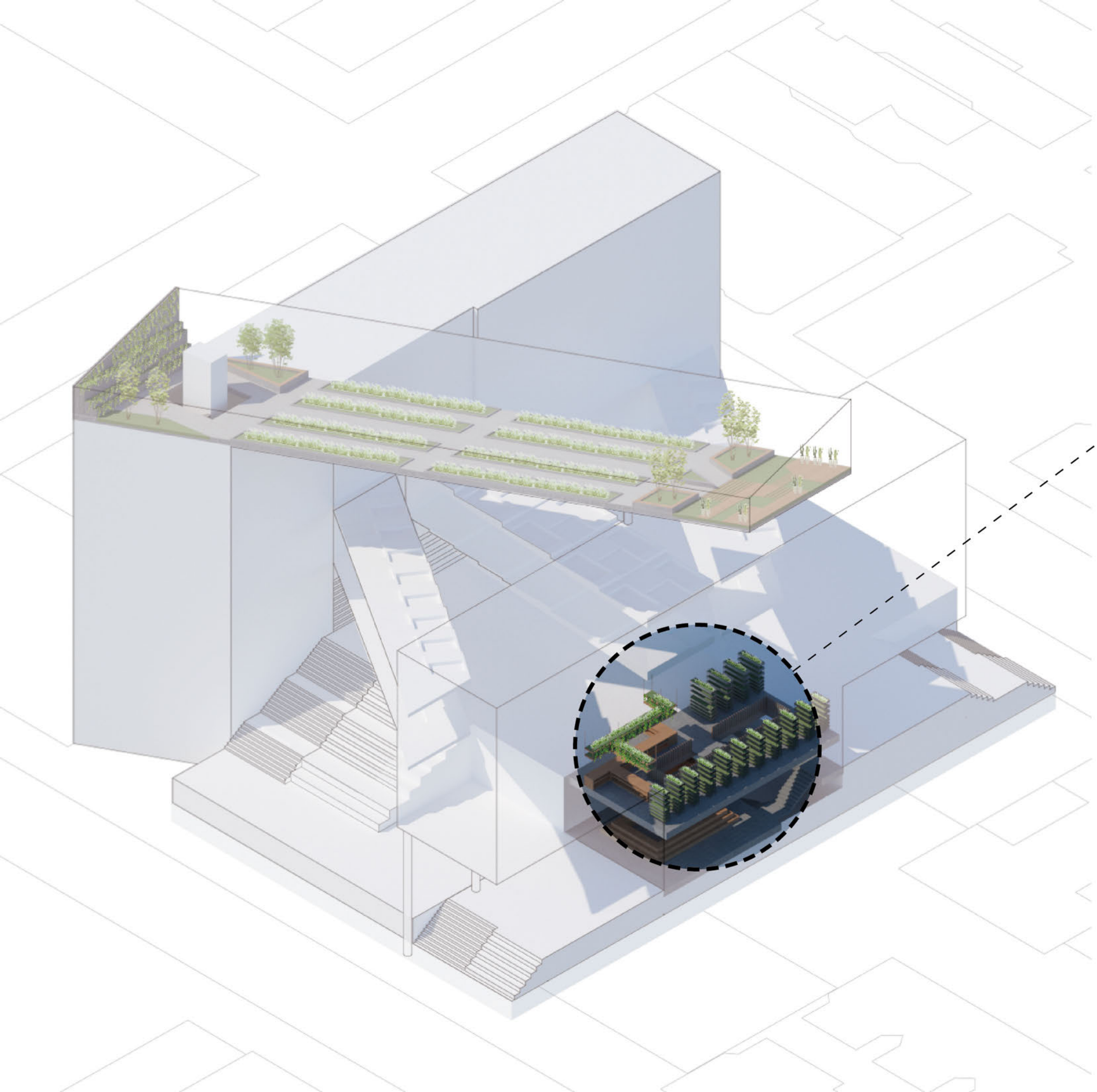






GREENHOUSE
+
FARMER'S MARKET





FARMER'S MARKET

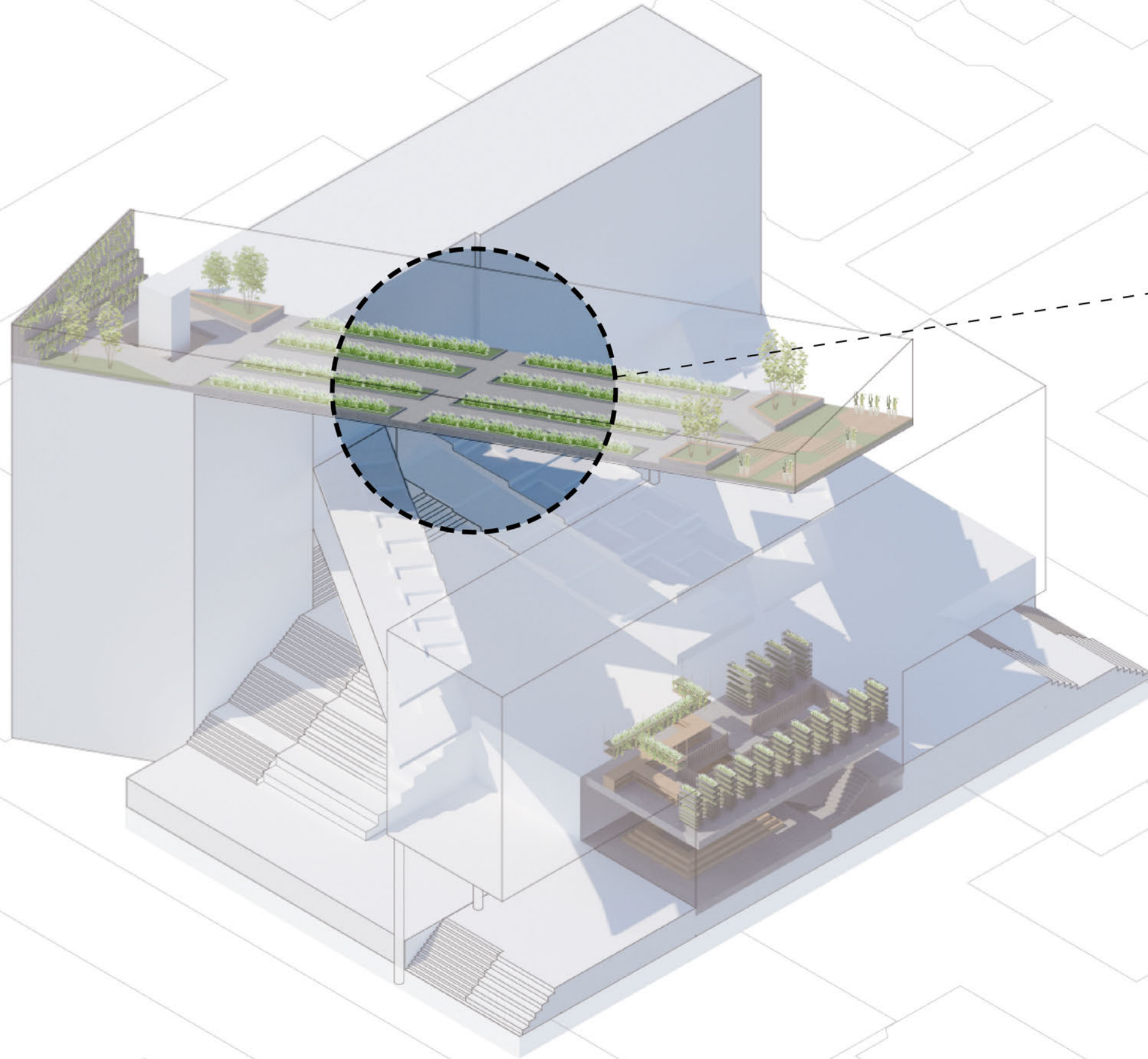


Plants that require full shade or sowed indoor and later transplanted outdoor.



Weekend farmer's market open to public for local farmers and neighborhood.

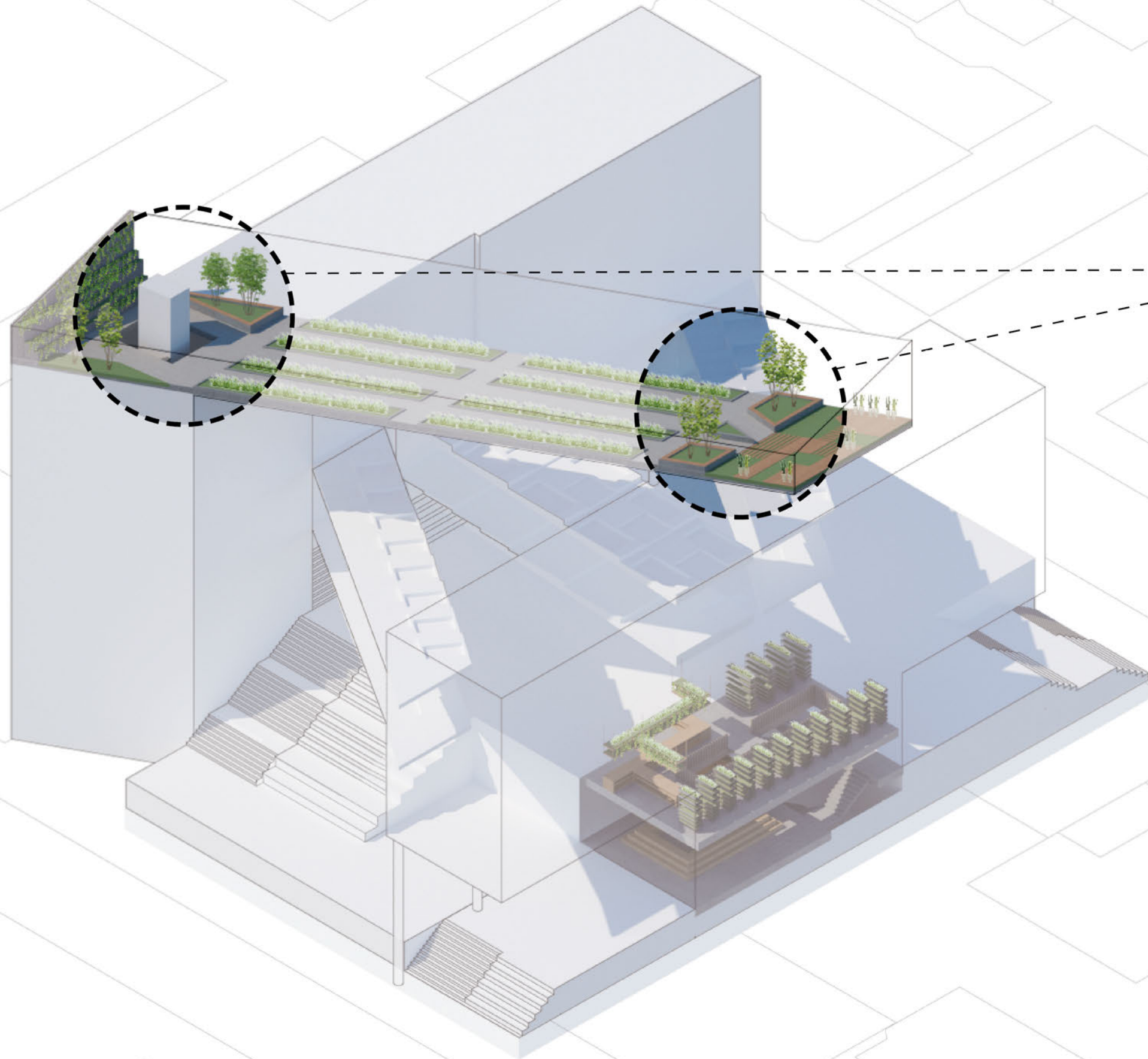
GREENHOUSE



 Summer	 Spring
 Autumn	 Winter
 TOMATO	 CUCUMBER
 SQUASH	 CORN
 Summer	 Spring
 Autumn	 Winter
 LETTUCE	 SPINACH
 ARUGULA	 KALE

Crops that require full sun conditions or grown year-round in warmth.

GREENHOUSE



ORANGE TREE



CHERRY TREE



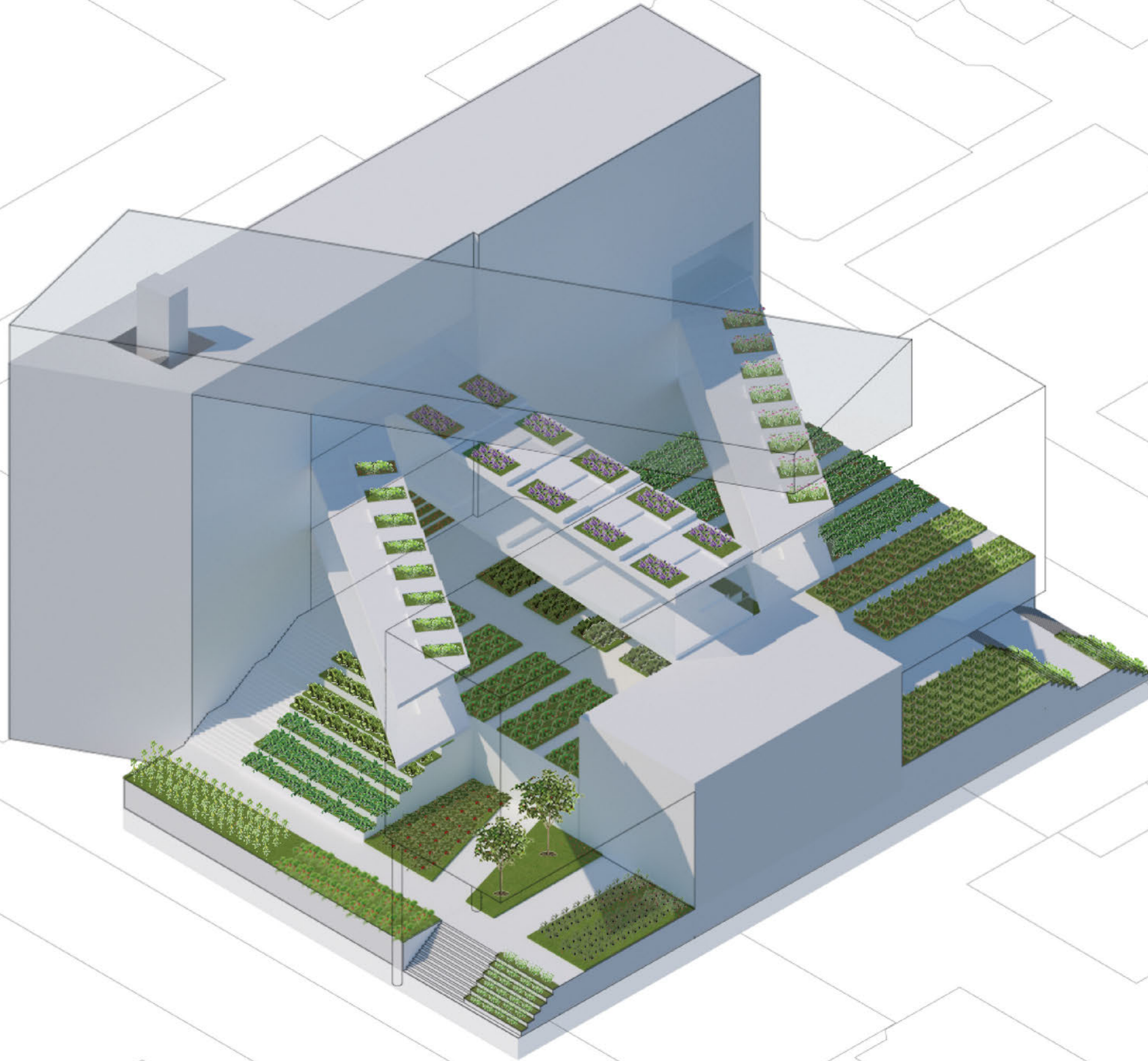
PEAR TREE

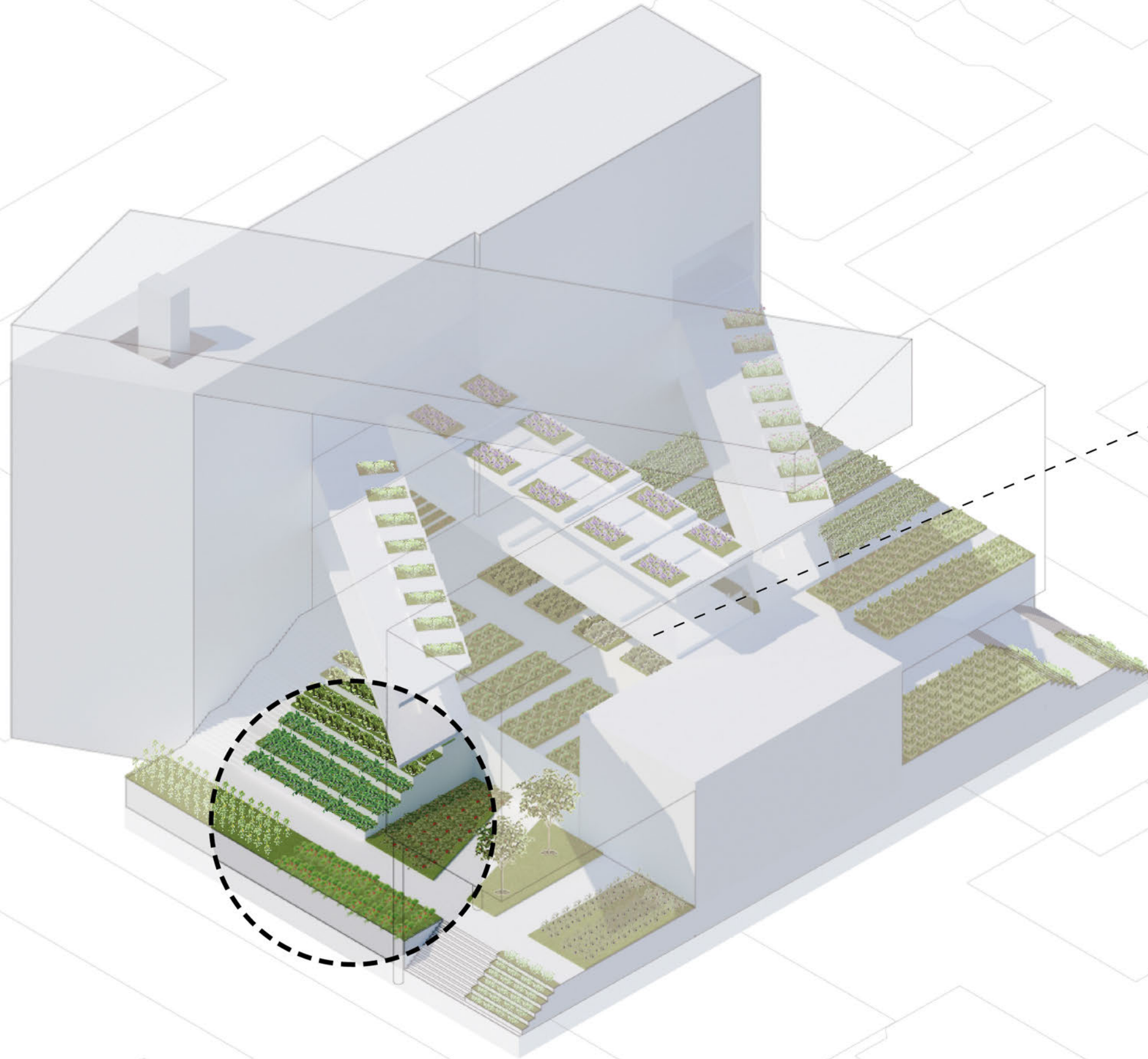


BANANA TREE

Fruit trees, especially tropical fruit, that grow well in year-round warmth.

SEASONAL GARDEN



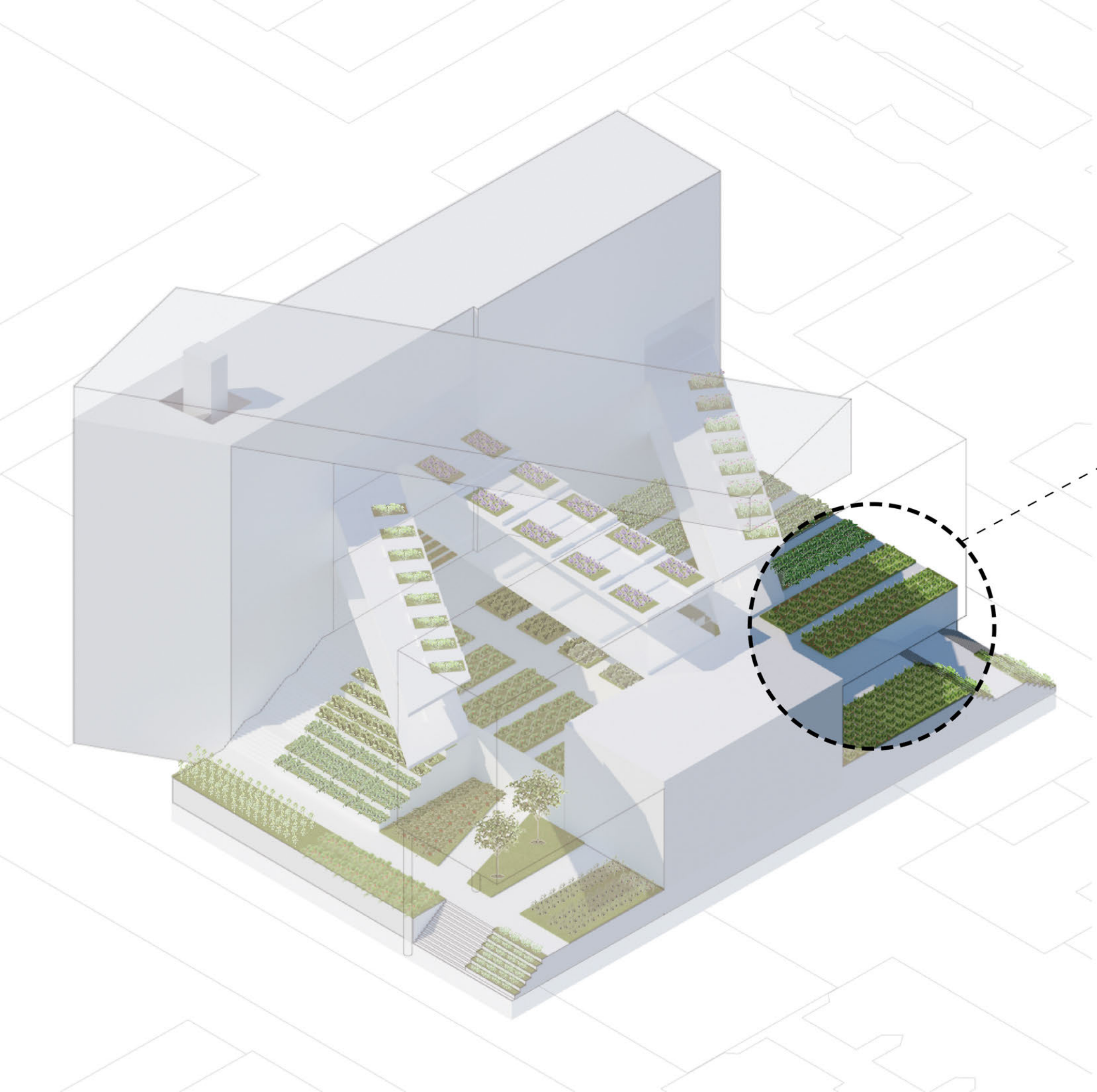


SEASONAL GARDEN (FULL SUN)



Plants that require full sun conditions
(>6 hrs direct sunlight everyday).

Mostly used in spring, summer and
fall. Only cover crops in winter.

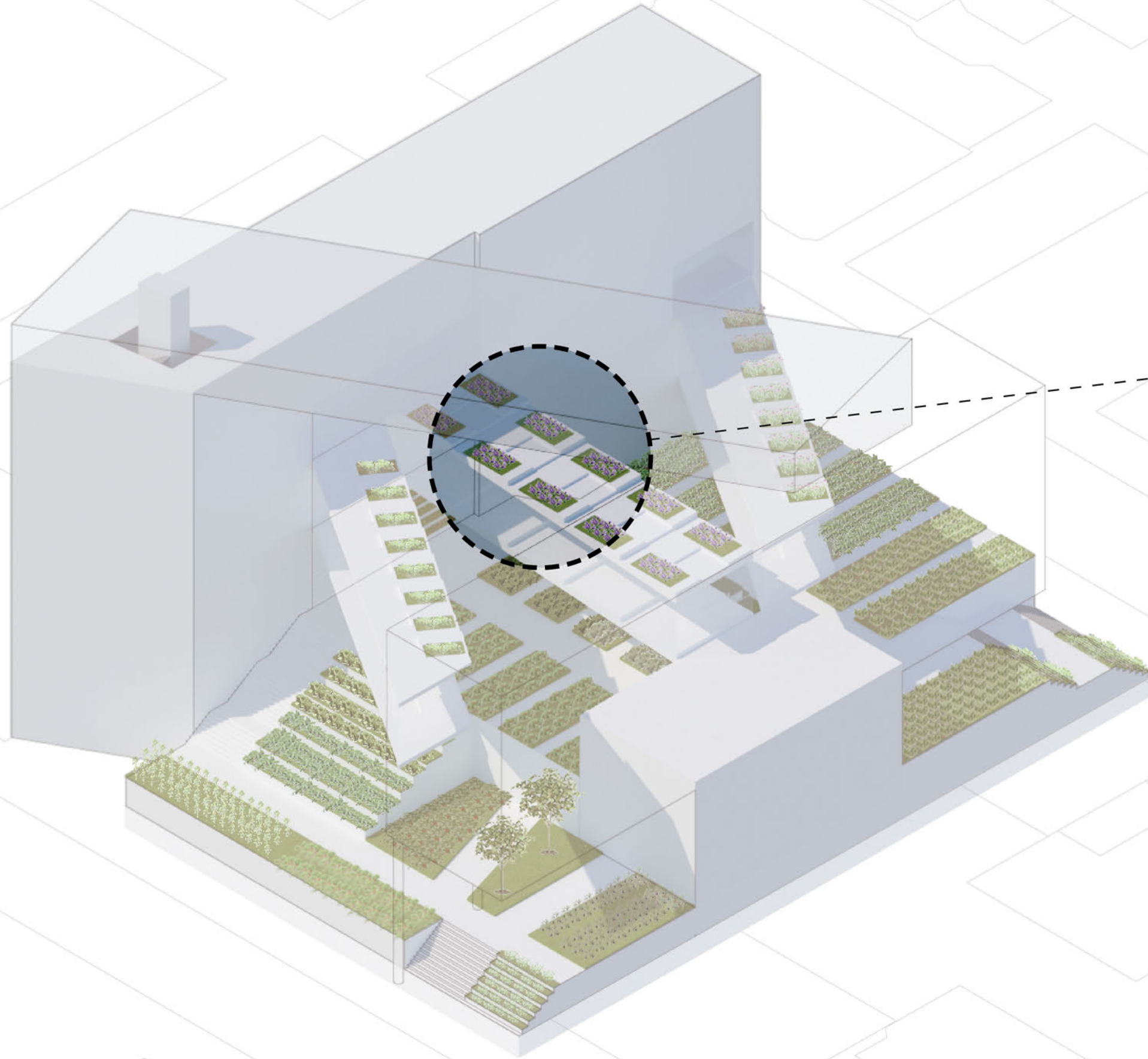


SEASONAL GARDEN (PARTIAL SHADE)



Plants that require partial shade conditions (3-4 hrs direct sunlight everyday).

Mostly used in spring, summer and fall. Only cover crops in winter.



ROOFTOP PLANT



LAVENDER



CONEFLOWER

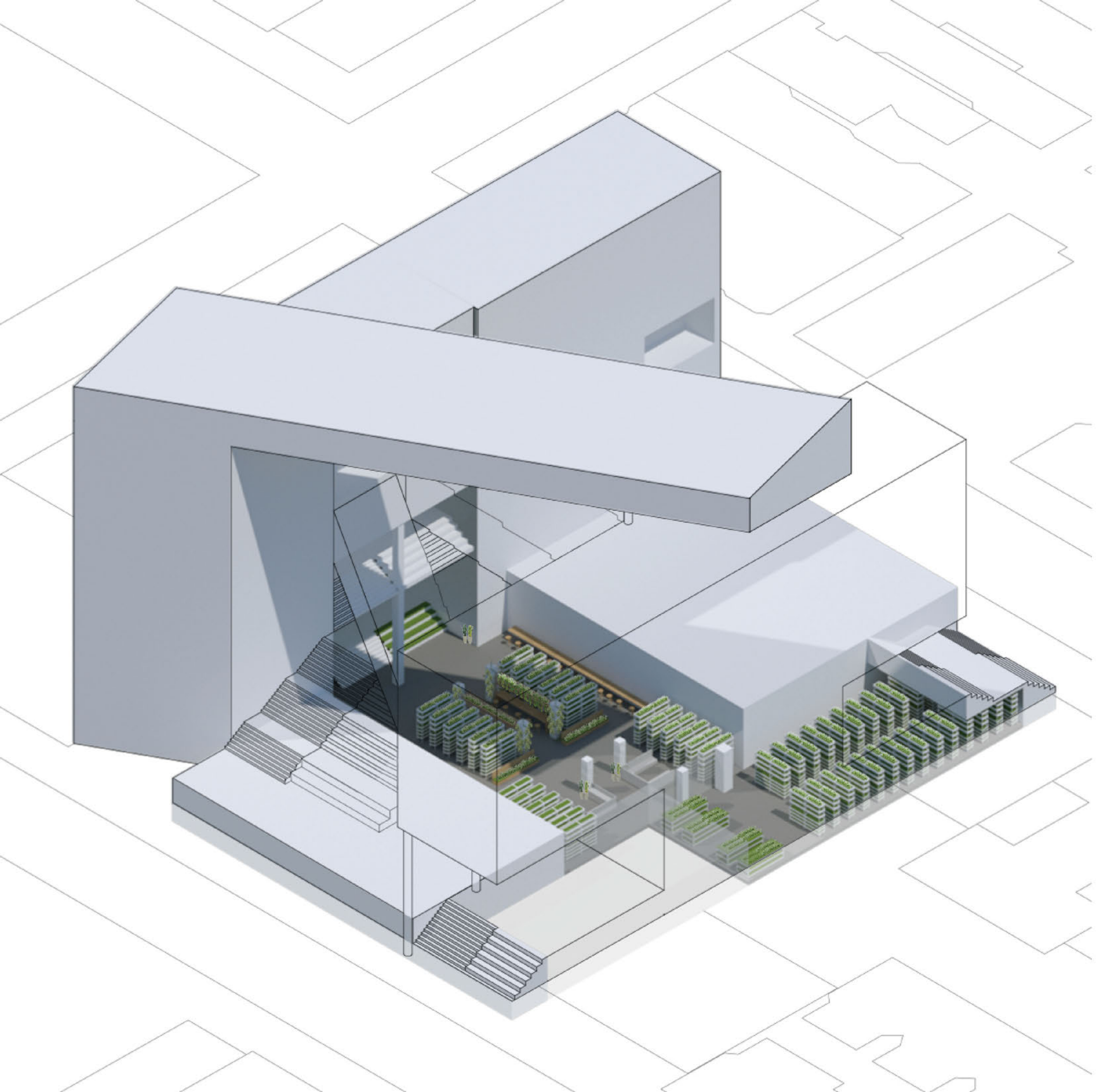


LAMB'S EAR

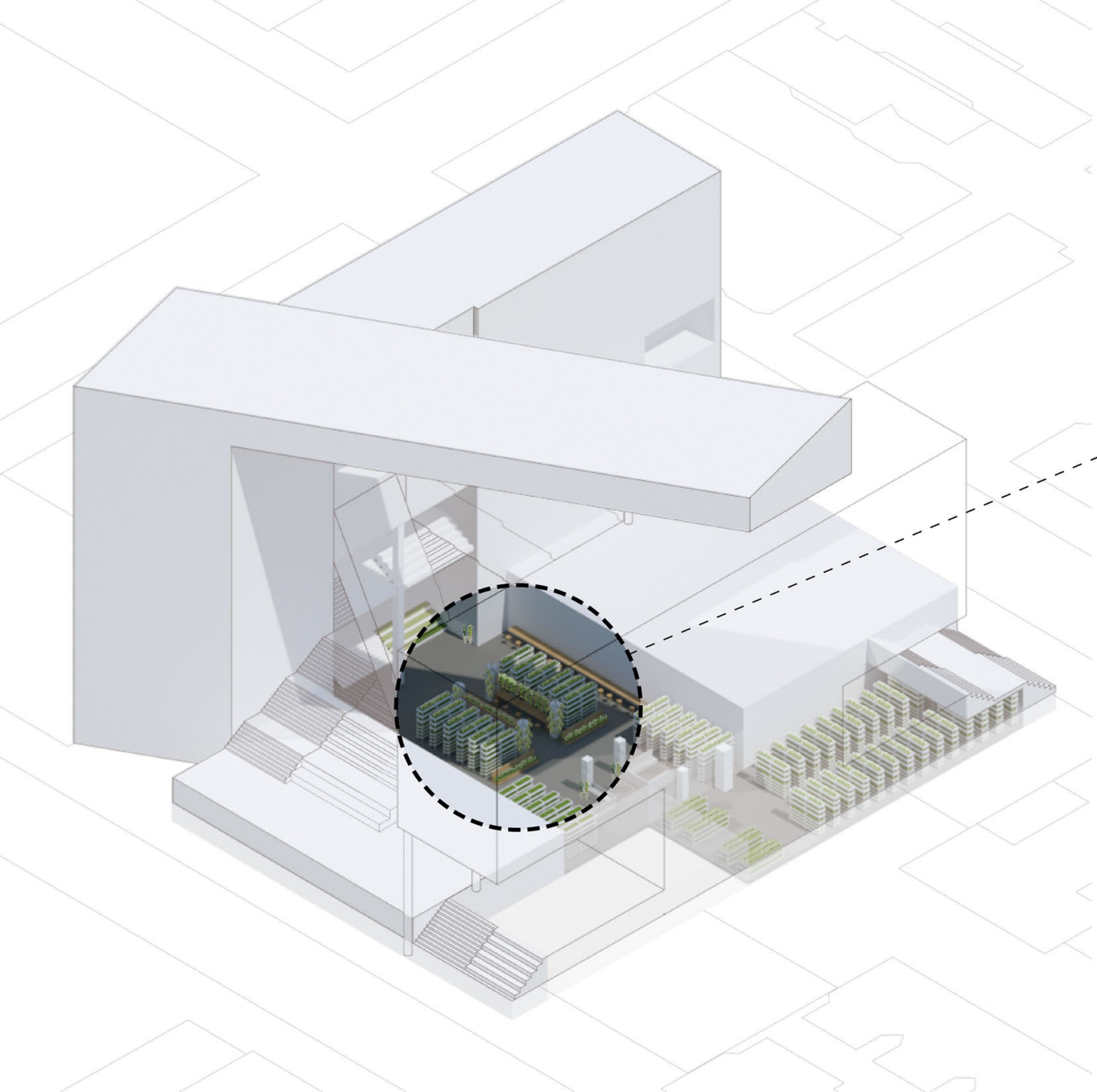


HENS & CHICKS

Plants and flowers that grow well in full sun conditions and require smaller amount of space.



HYDROPONIC FARM

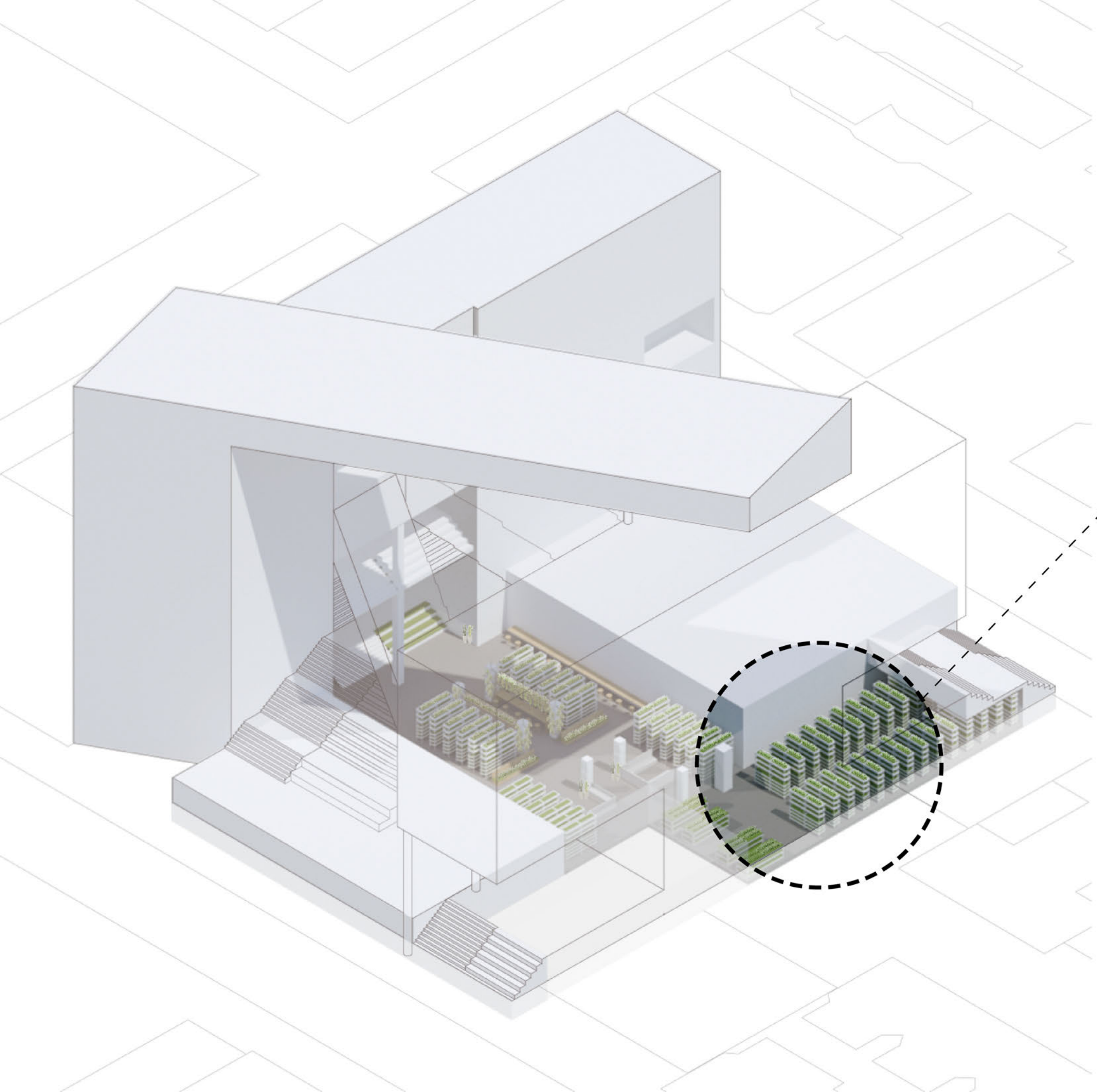


HYDROPONIC FARM



Crops that require small amount of space and are more sensible to growing conditions.

Optimized levels of minerals and nutrients added to water to maximize quality of fruits/veggies and produce larger yield.

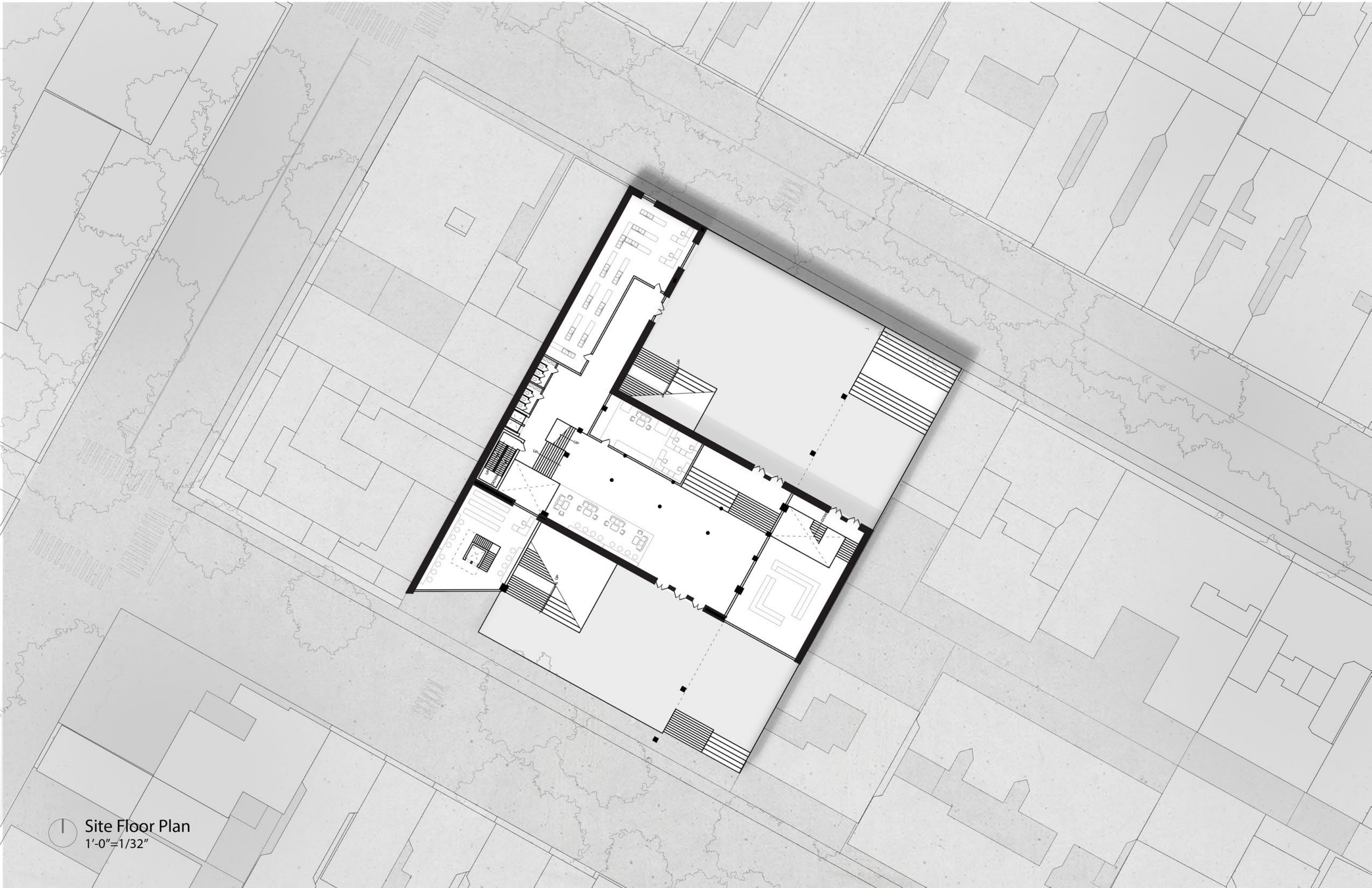


HYDROPONIC FARM

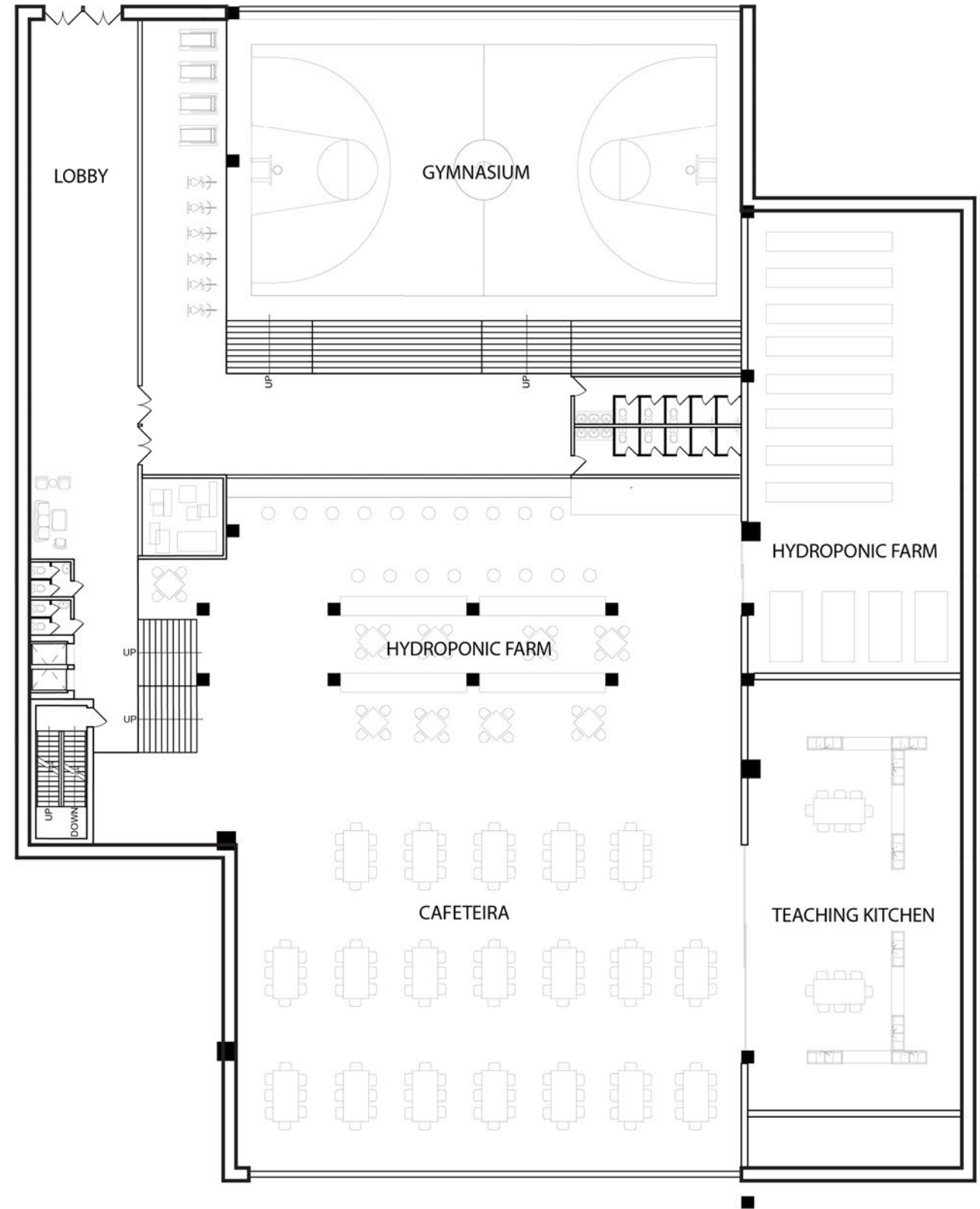


Exotic crops that does not grow in NYC's natural condition and thus require carefully controlled environments.

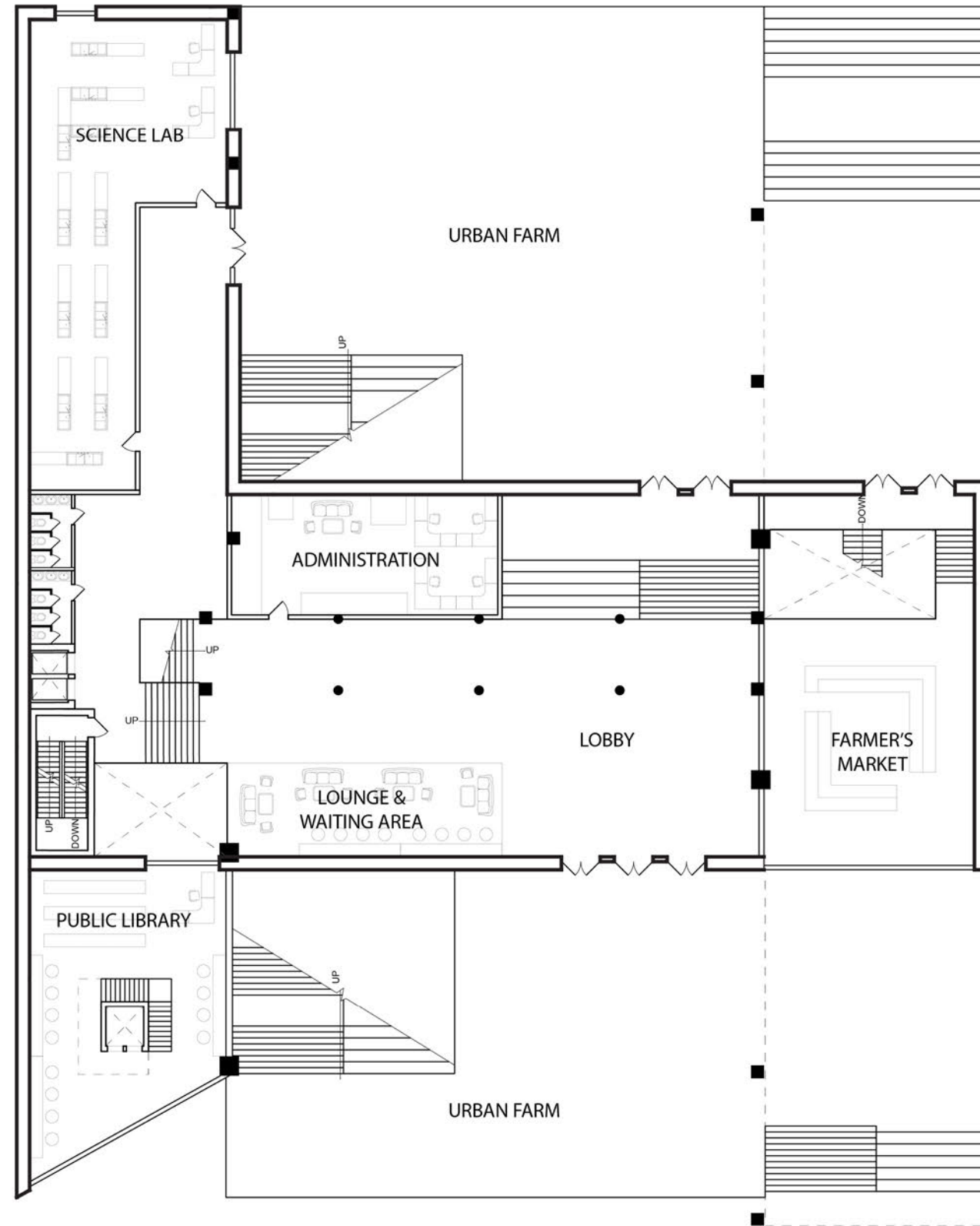
Crops manipulated to produce specific taste or nutrients that can help children eat better or serve patients with special need.



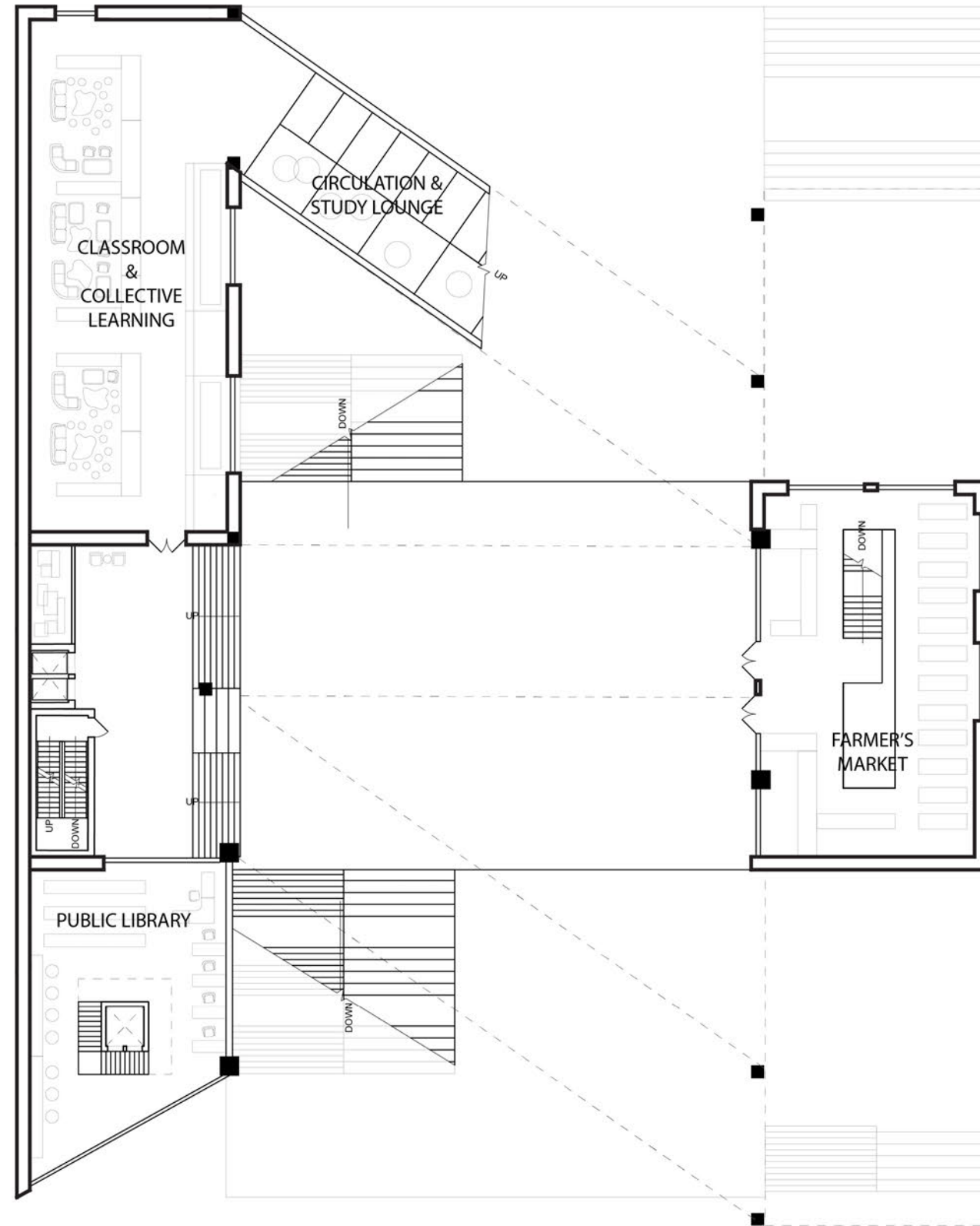
Site Floor Plan
1'-0"=1/32"



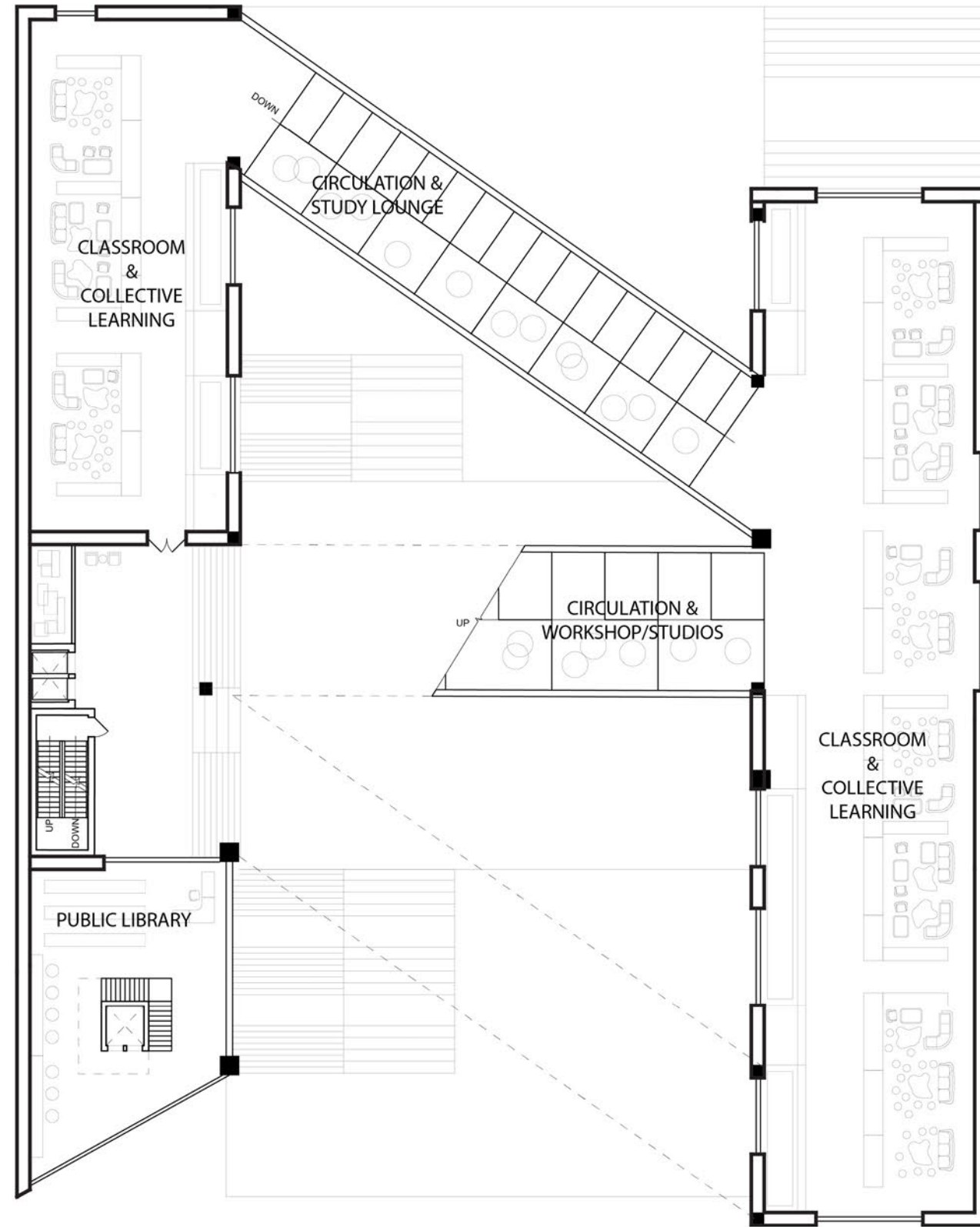
Basement Floor Plan
1'-0"=1/16"



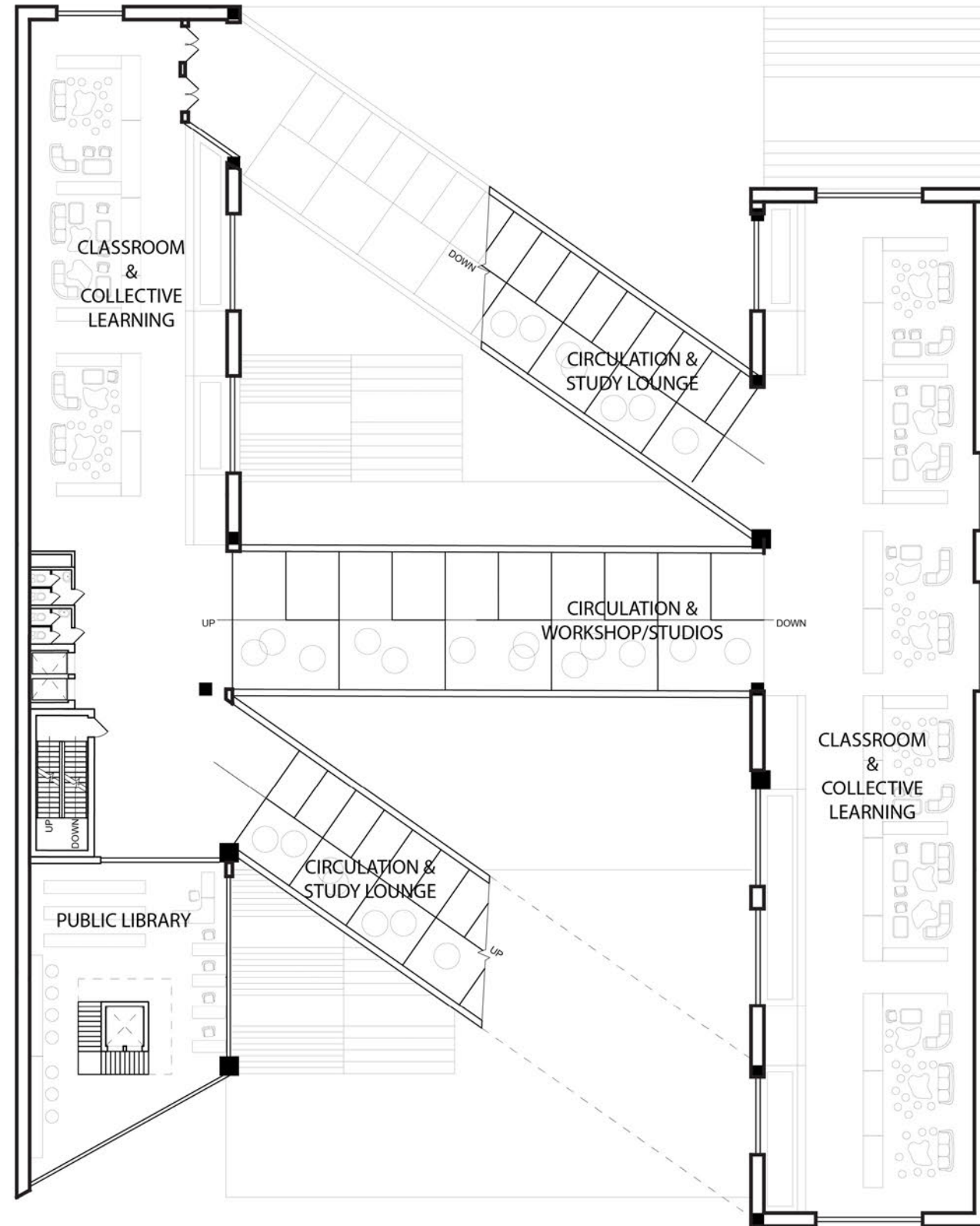
1st Floor Plan
1'-0"=1/16"



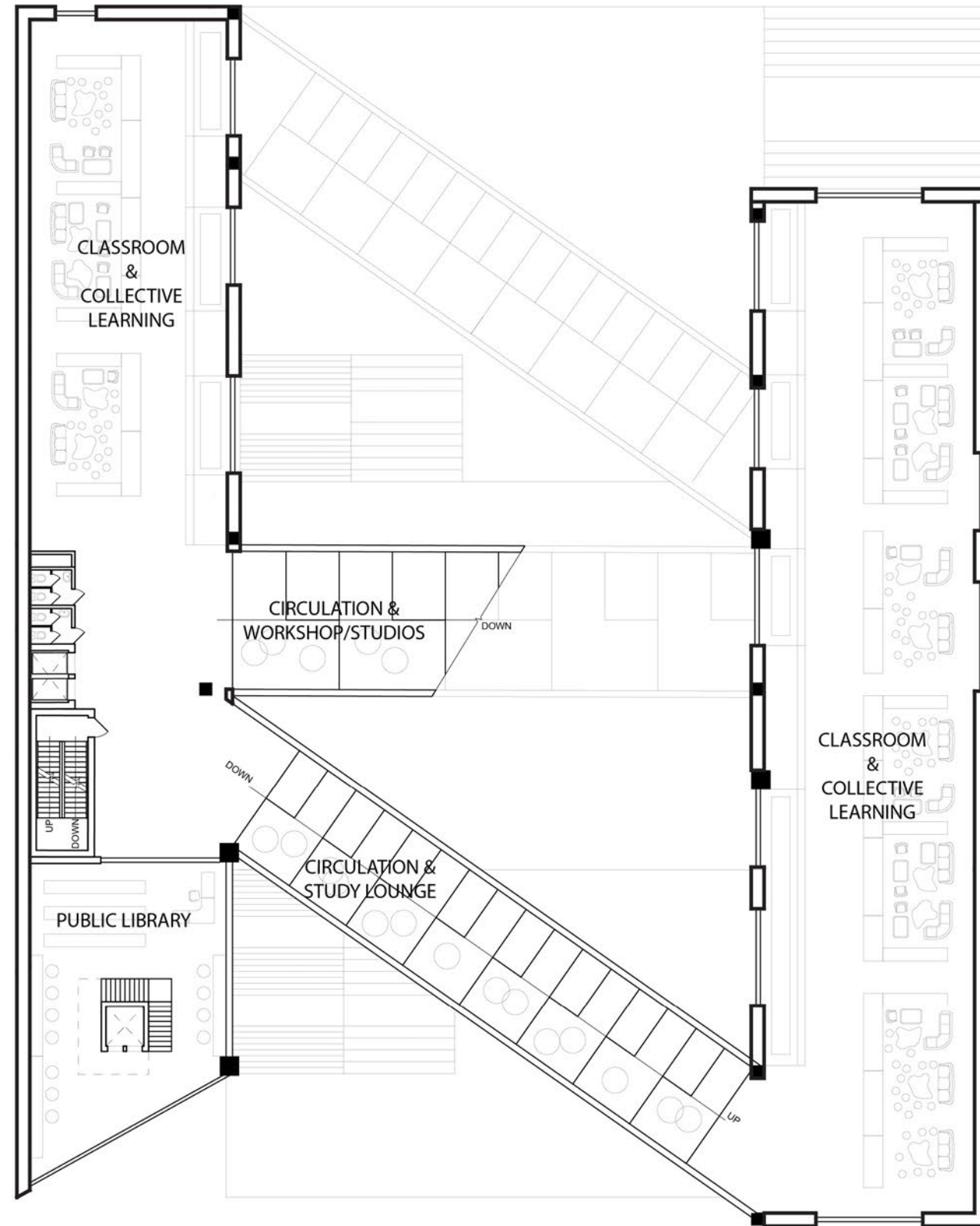
2nd Floor Plan
1'-0"=1/16"



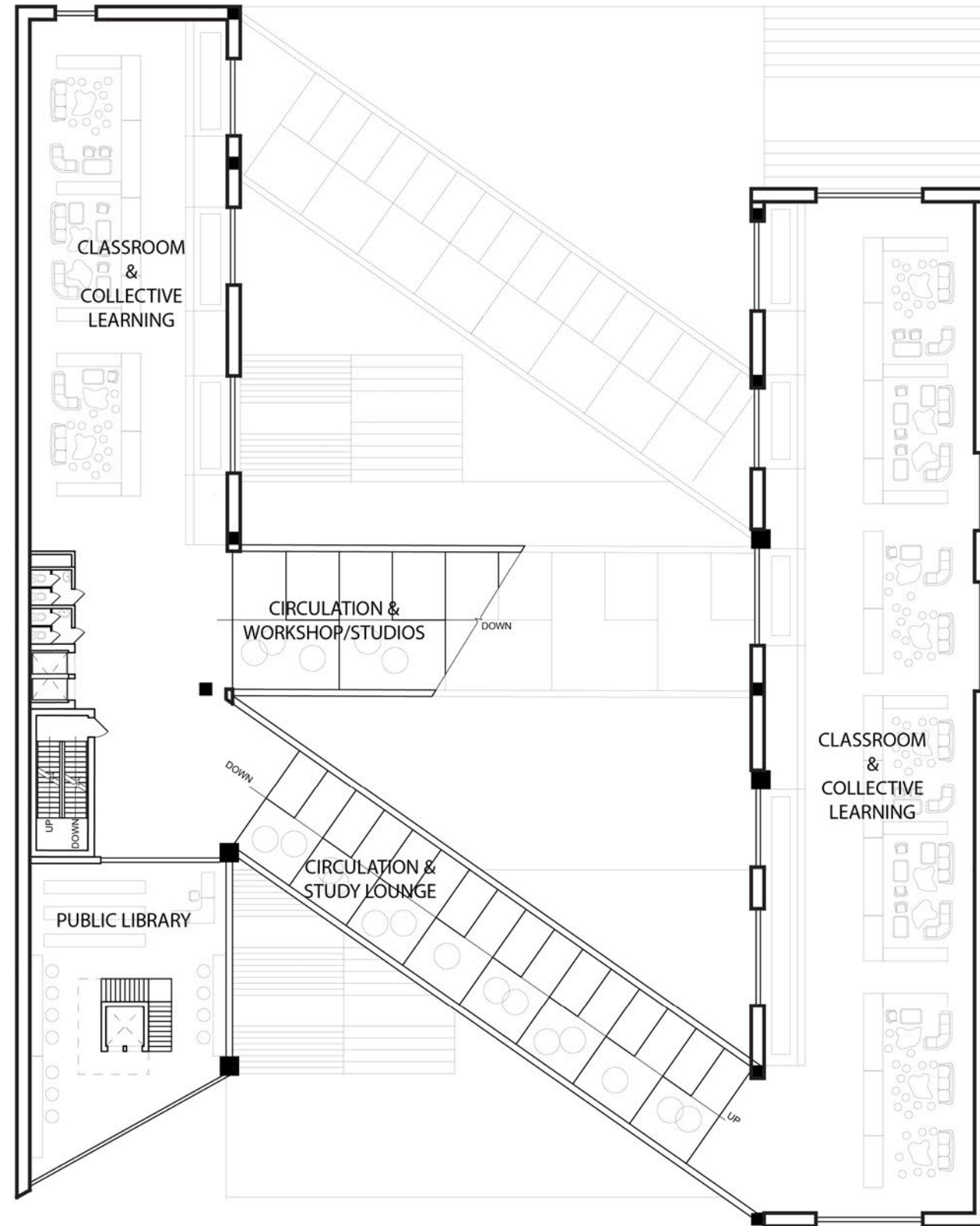
3rd Floor Plan
1'-0"=1/16"



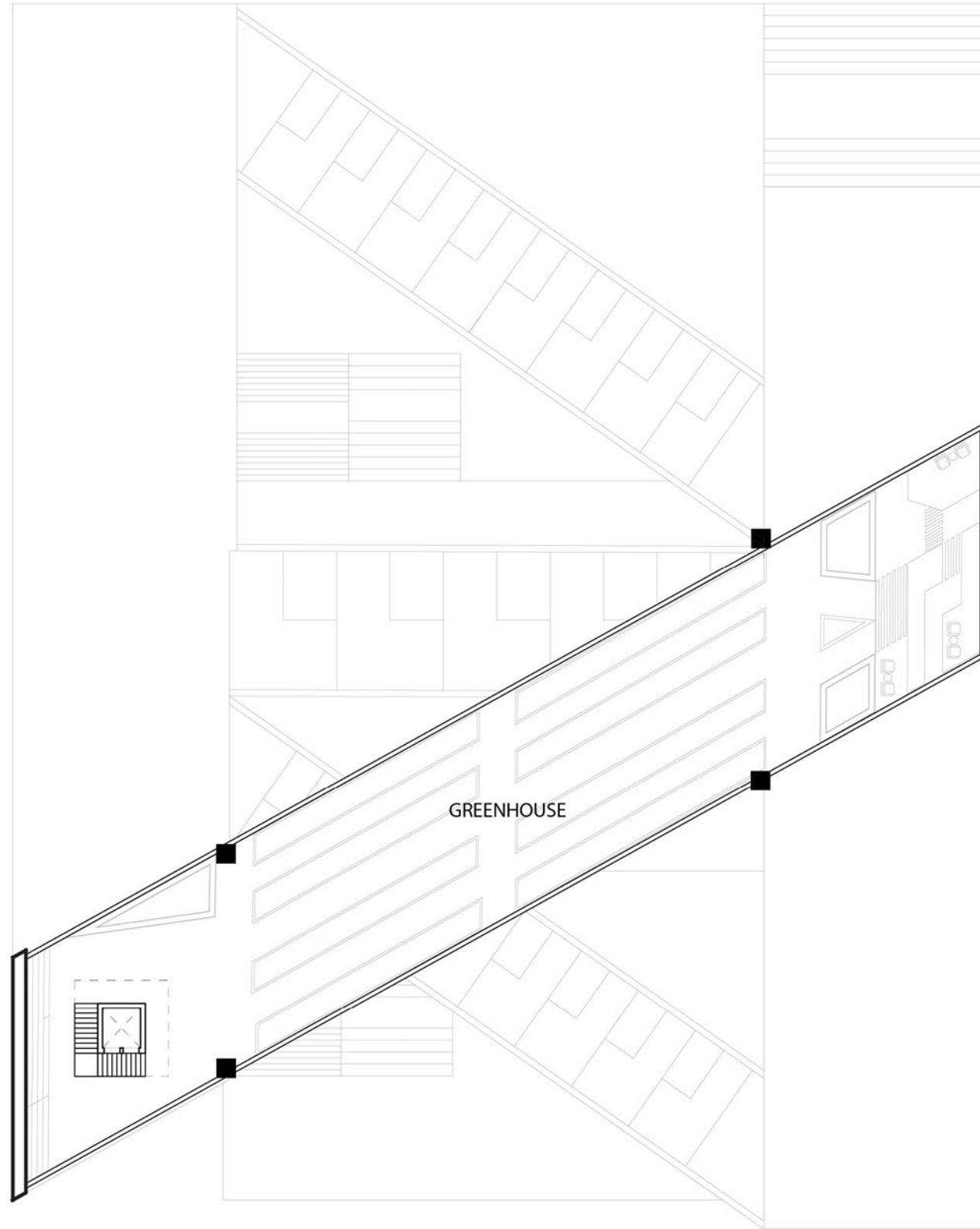
4th Floor Plan
1'-0"=1/16"



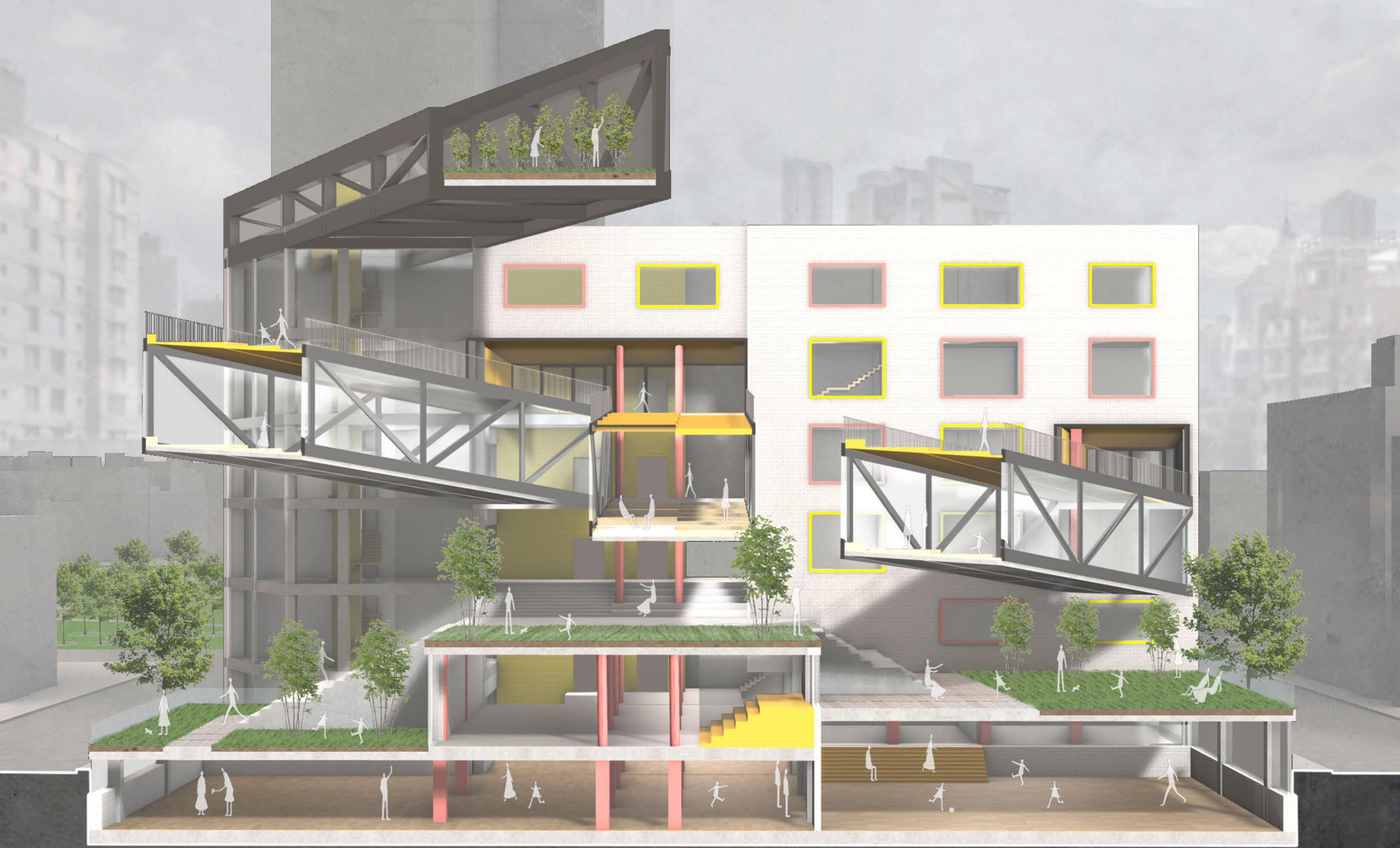
5th Floor Plan
1'-0"=1/16"



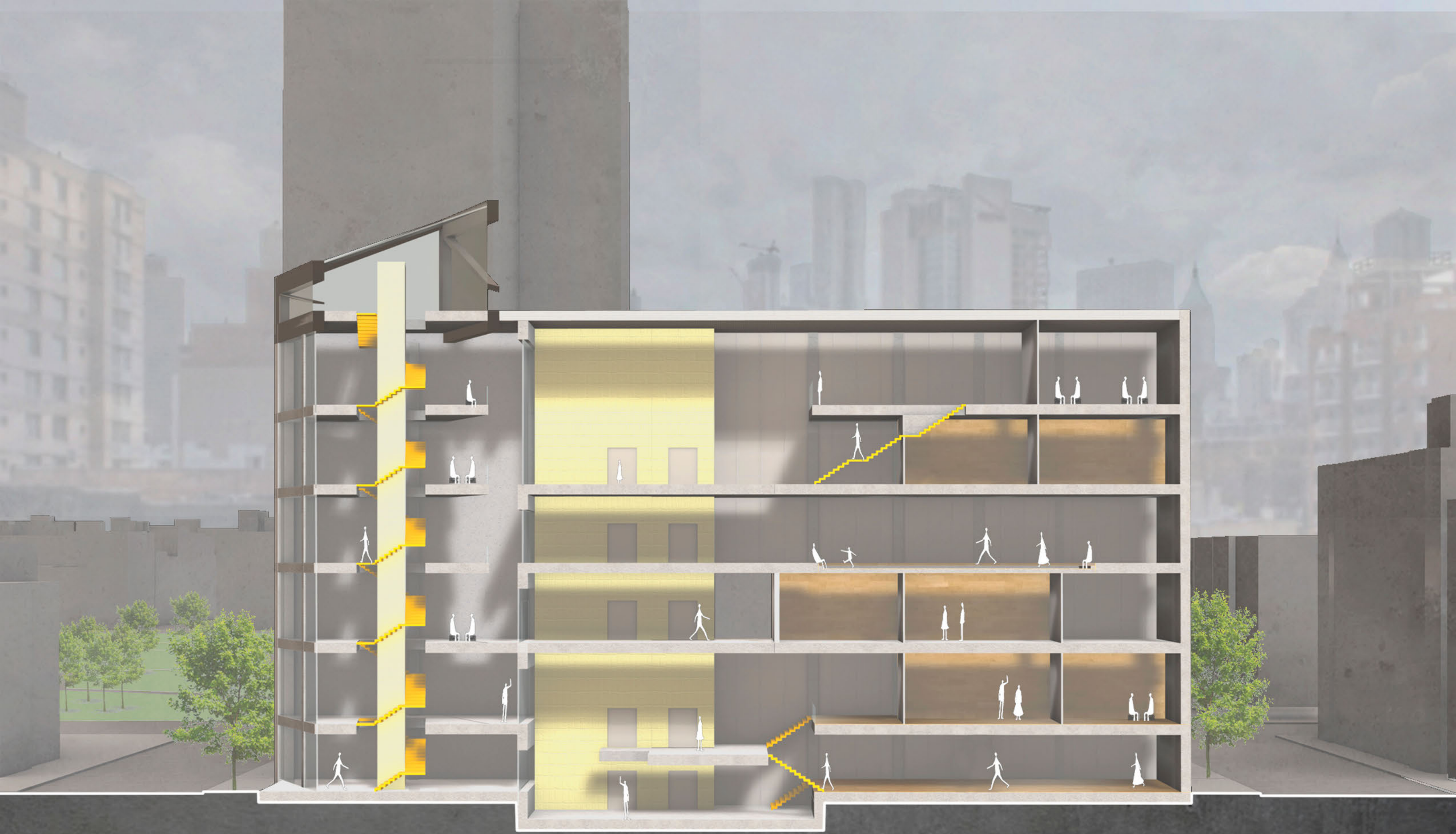
5th Floor Plan
1'-0"=1/16"



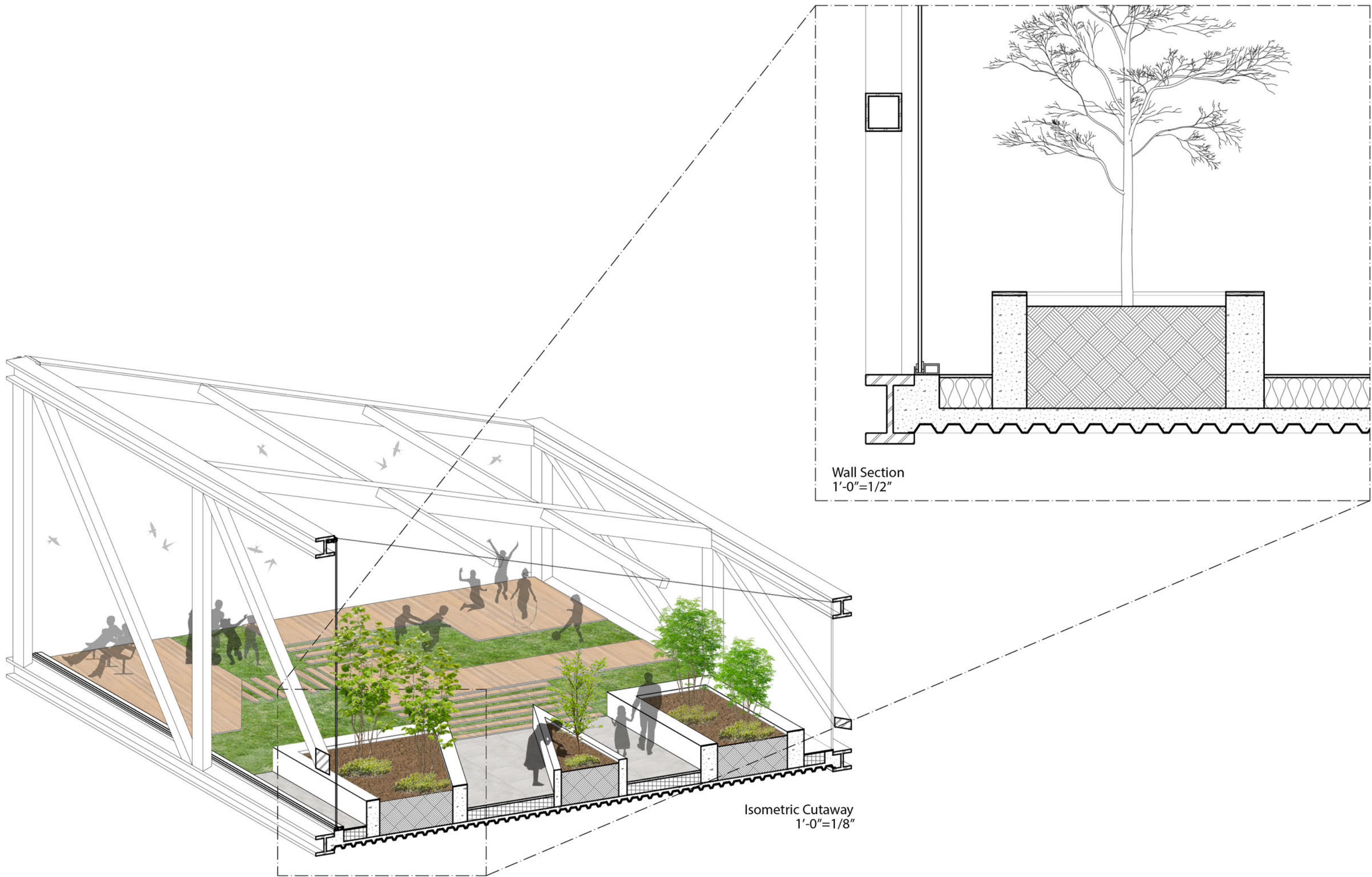
Top Floor Plan
1'-0"=1/16"



N/S Section Perspective



N/S Section Perspective



Wall Section
1'-0"=1/2"

Isometric Cutaway
1'-0"=1/8"



