

An architectural rendering of a modern school building. The building features a mix of red brick and white horizontal siding. A central courtyard is enclosed by a glass and metal structure, with multiple levels of walkways and greenery. People are shown walking and sitting on the walkways. In the foreground, there are concrete steps leading up to the courtyard, with a person sitting on the steps and a child on a bicycle. A cyclist is also visible in the bottom left corner. The sky is blue with some clouds.

THE XR SCHOOL
ANDREW MAGNUS

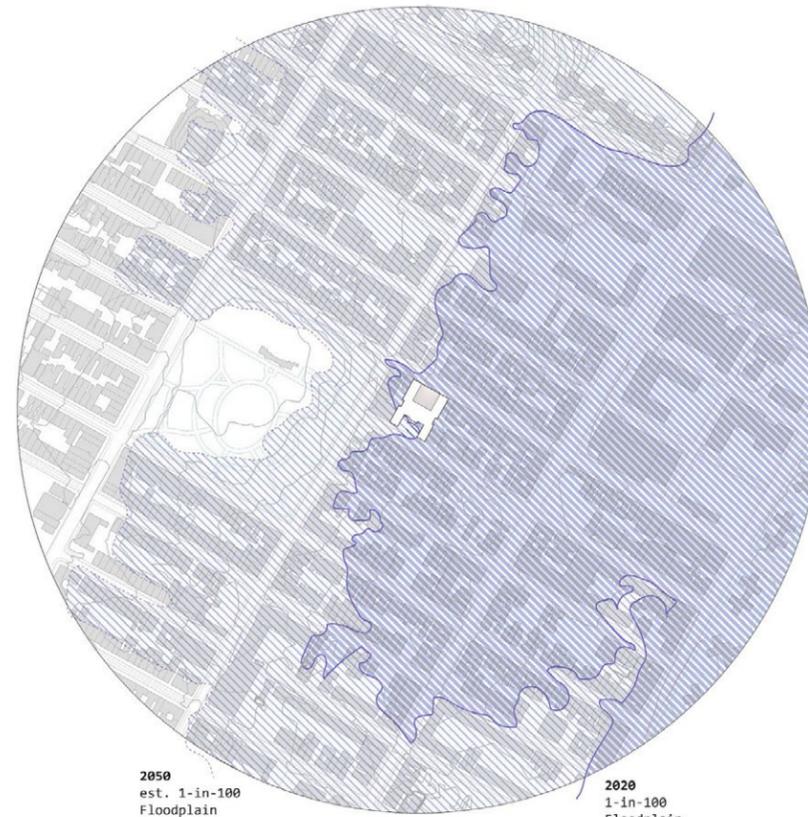


PROJECT STATEMENT

The XR school encourages student activism by proximity with nature to engender a sense of environmental responsibility. Meant to bridge a traditional structure with more radical community involvement, the existing wings of the school are interjected by woven mass-timber bridge structures. This establishes a dynamic axis for occupants - community activities at the center operate year round, while school activities at the wings offer more specialized programs - and the terrace platforms persuade both students and community members to embrace stacked vertical farms. The result is an elevated system of urban farms that reflect the community garden network of the surrounding streets, and act as a magnet for environmental advocacy.



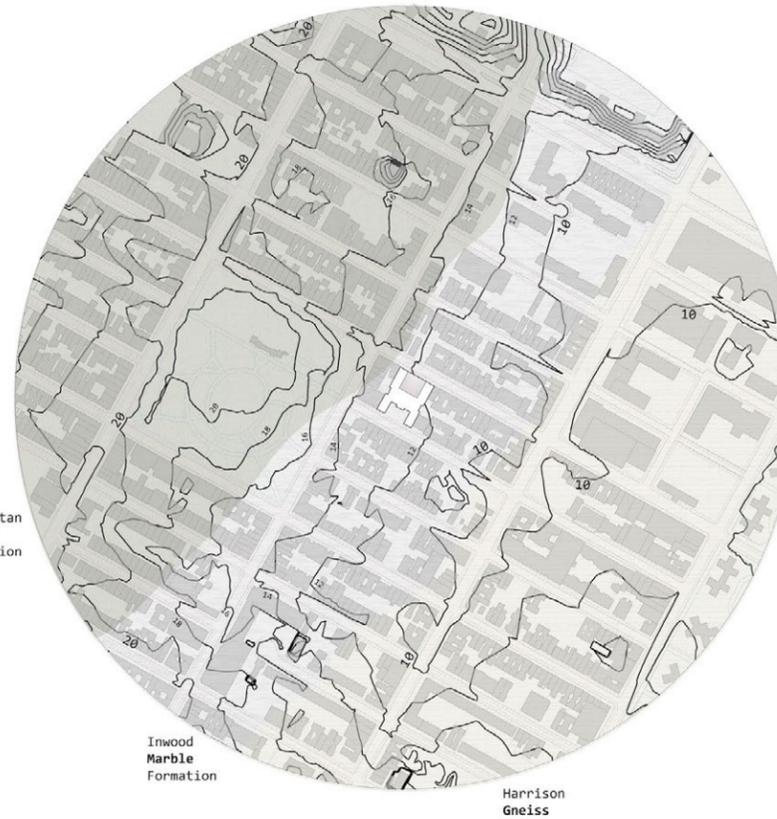
PUBLIC TRANSIT



FLOODPLAIN

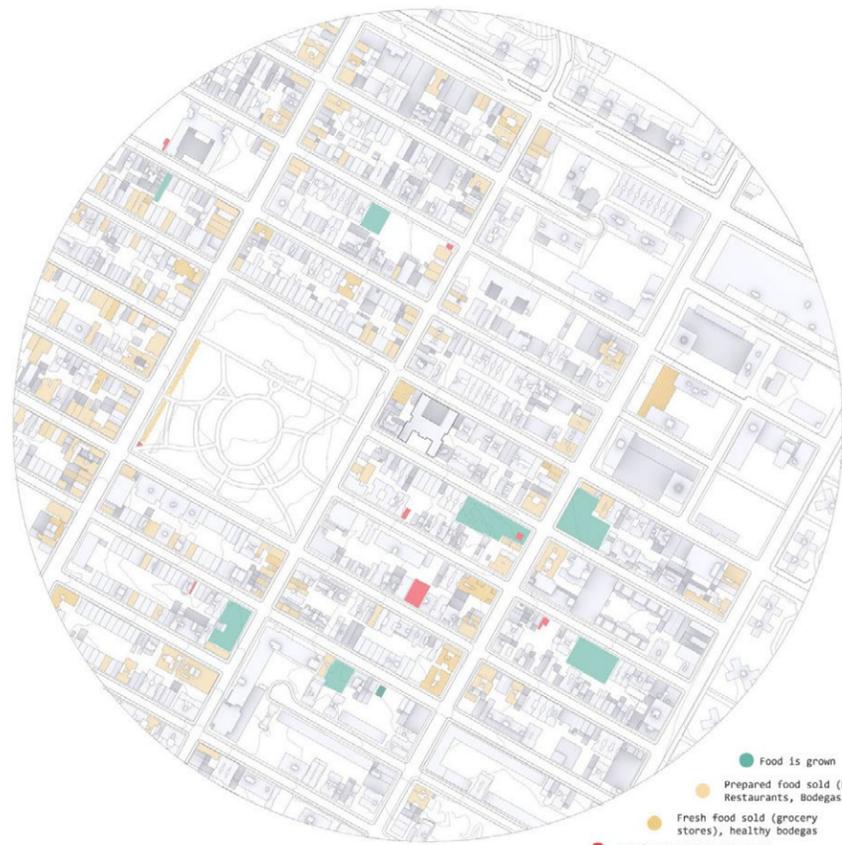


BIKE INFRASTRUCTURE

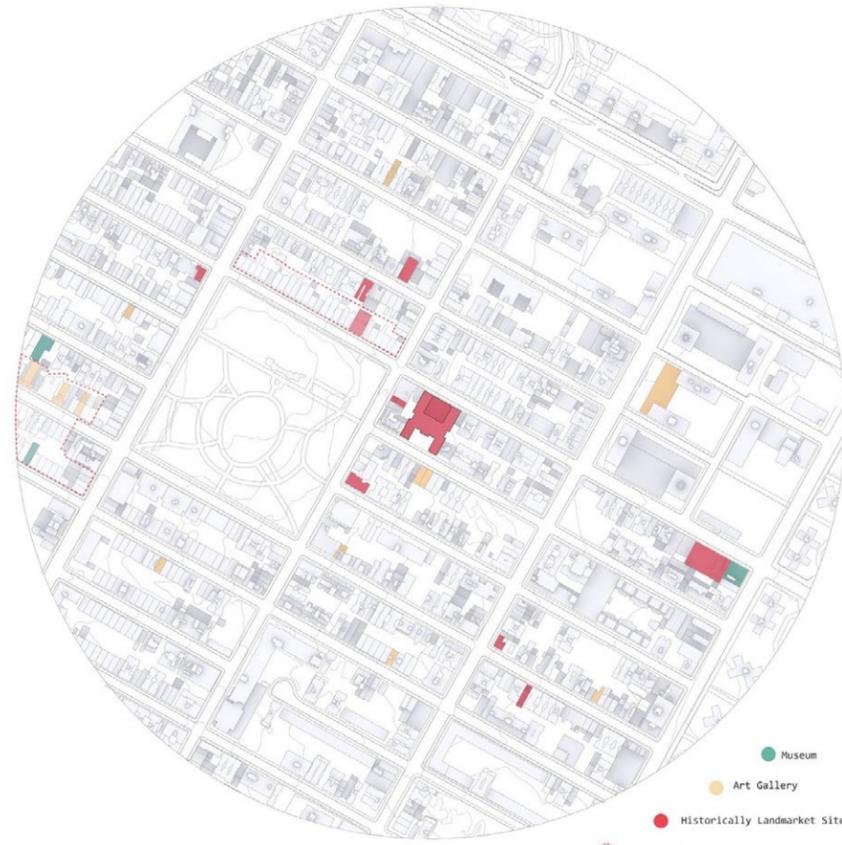


GEOMORPHOLOGY

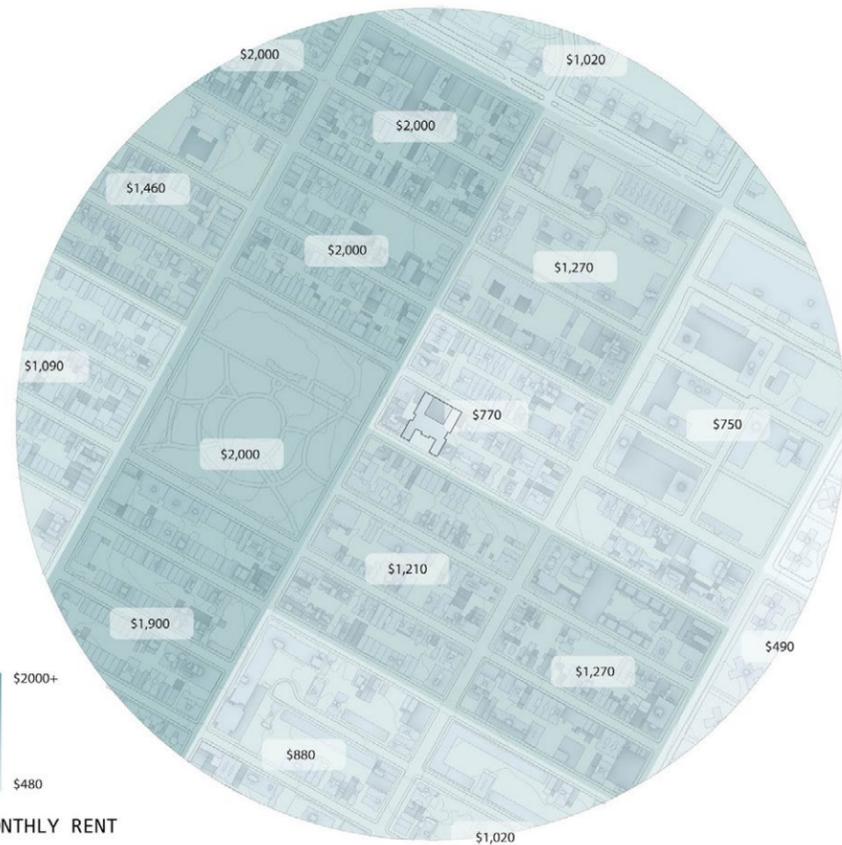
SITE ANALYSIS



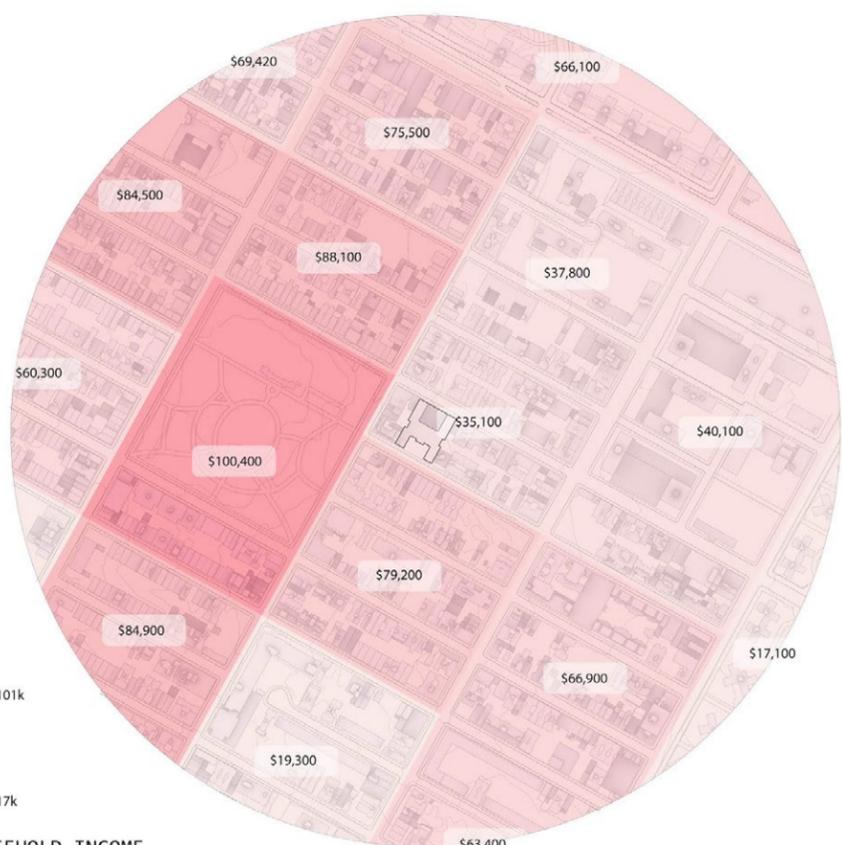
FOODSCAPES



HISTORY + CULTURE

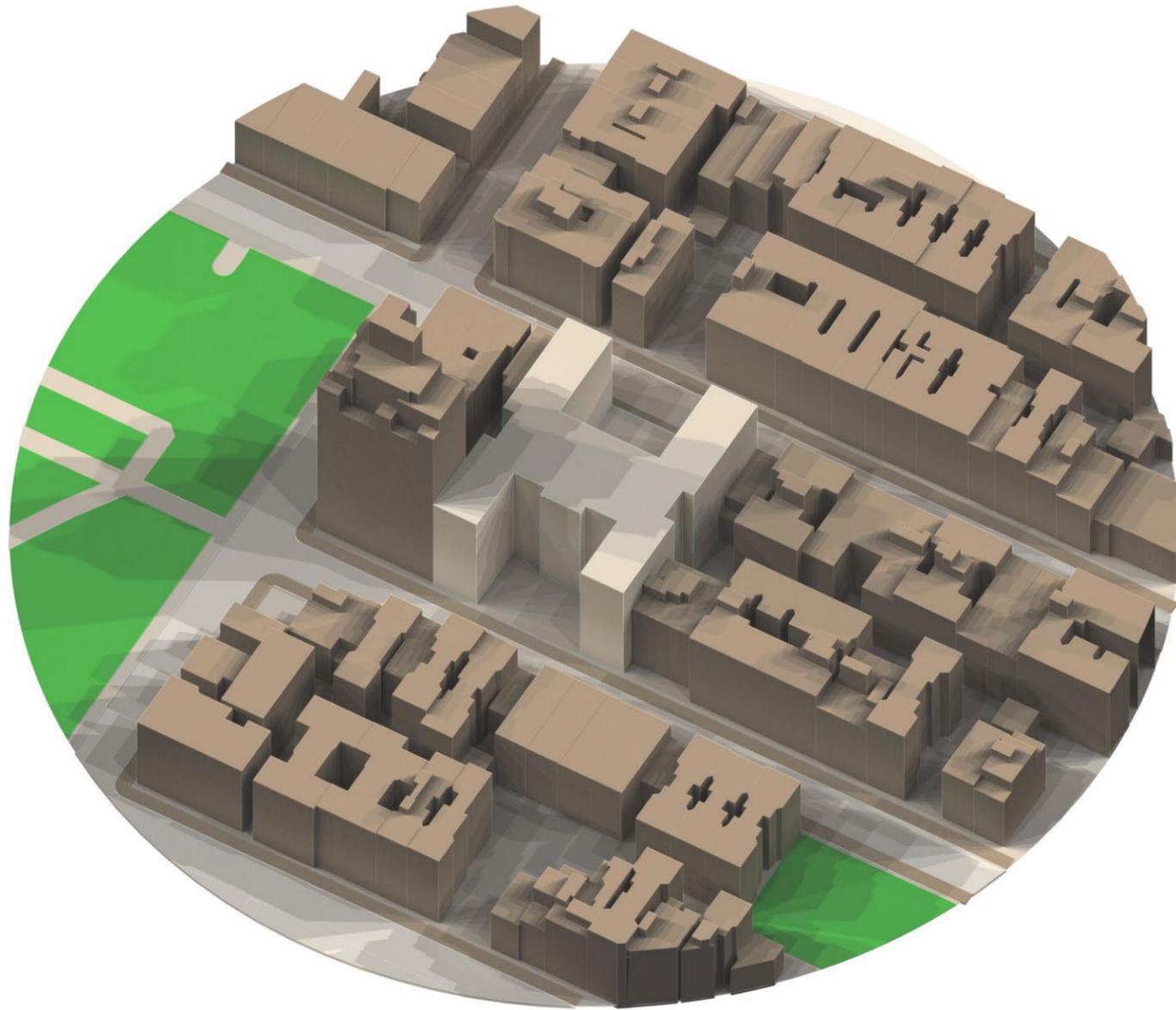


MONTHLY RENT

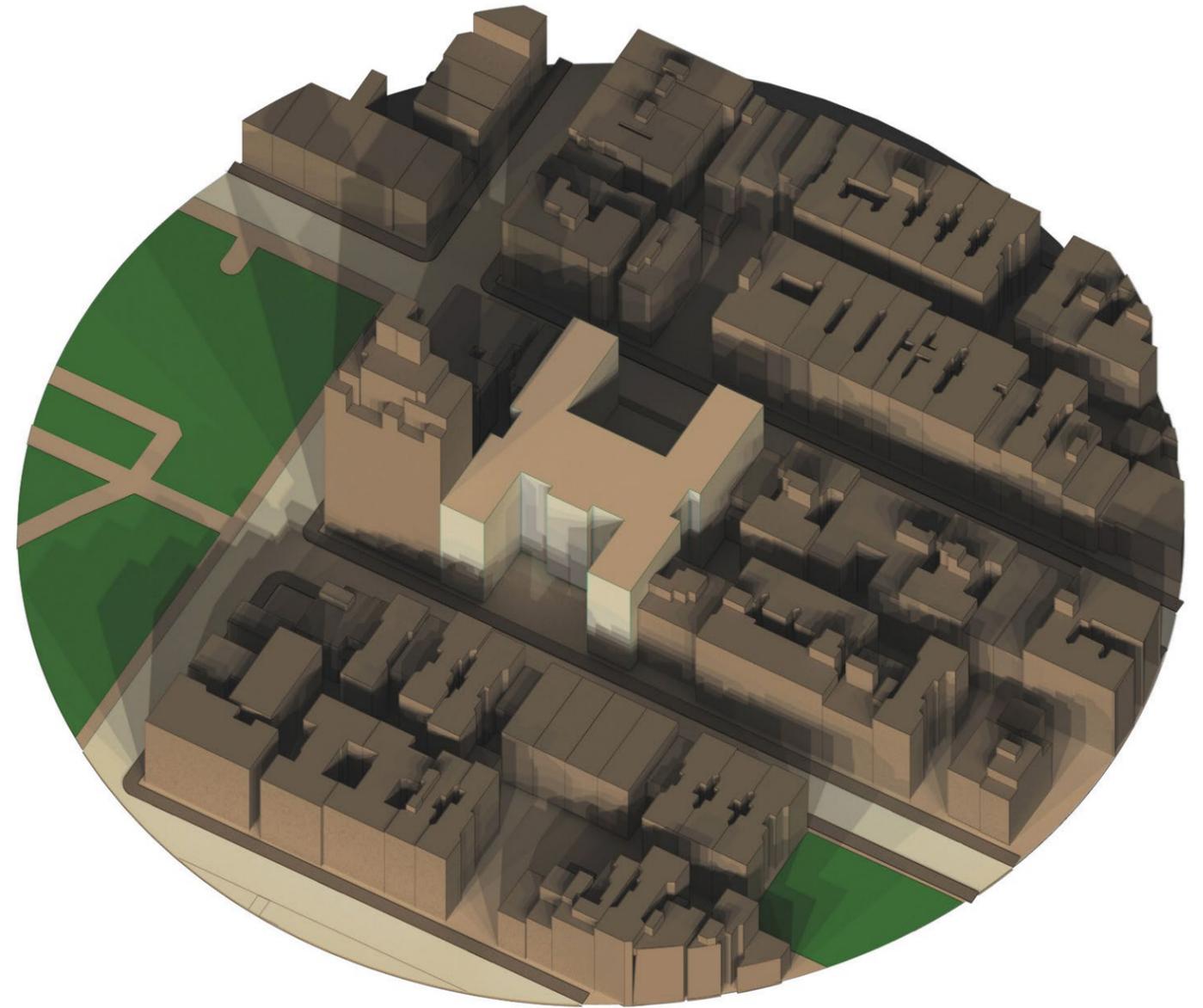


HOUSEHOLD INCOME

SITE ANALYSIS

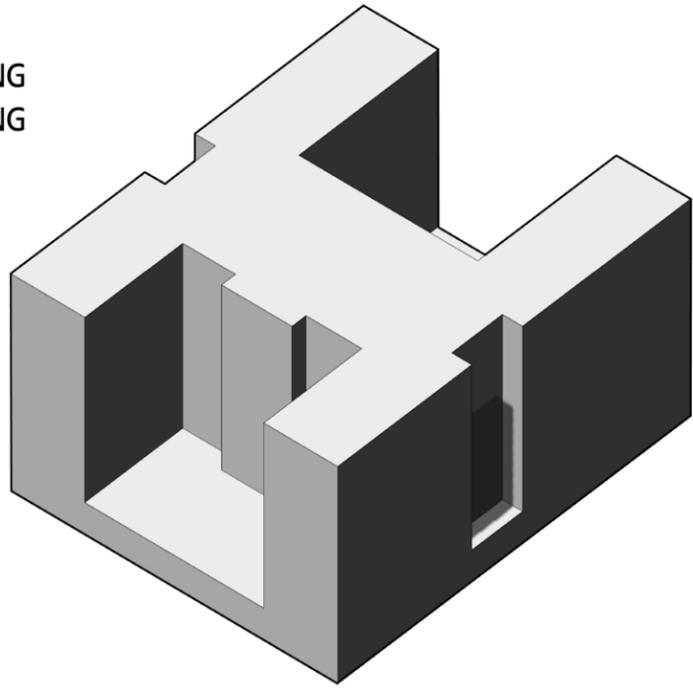


SUMMER DAYLIGHT SHADOWS
JUNE 21: 6:00AM - 8:00PM

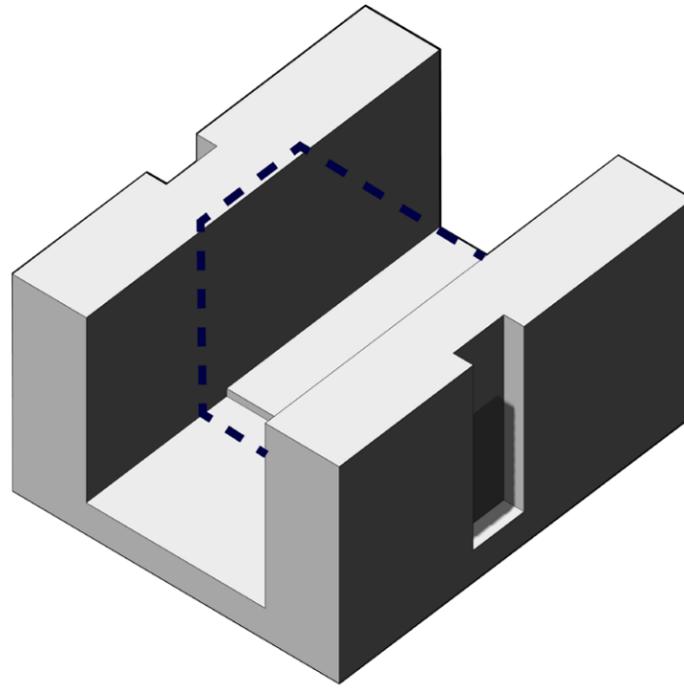


WINTER DAYLIGHT SHADOWS
DEC 21: 7:00AM - 7:00PM

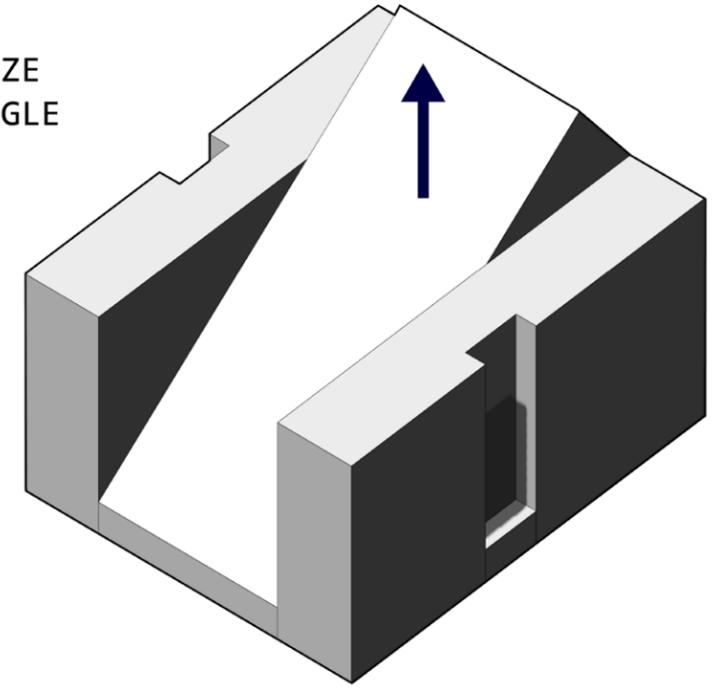
EXISTING
BUILDING



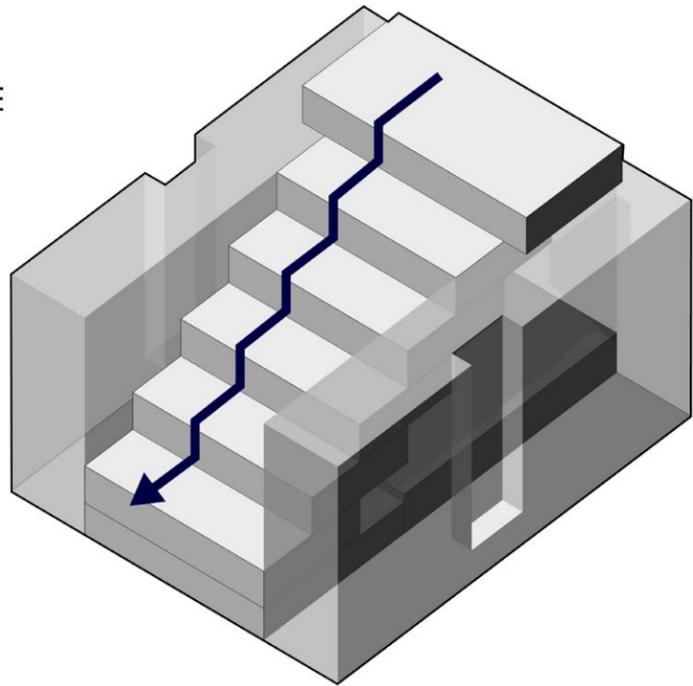
REMOVE
CORE



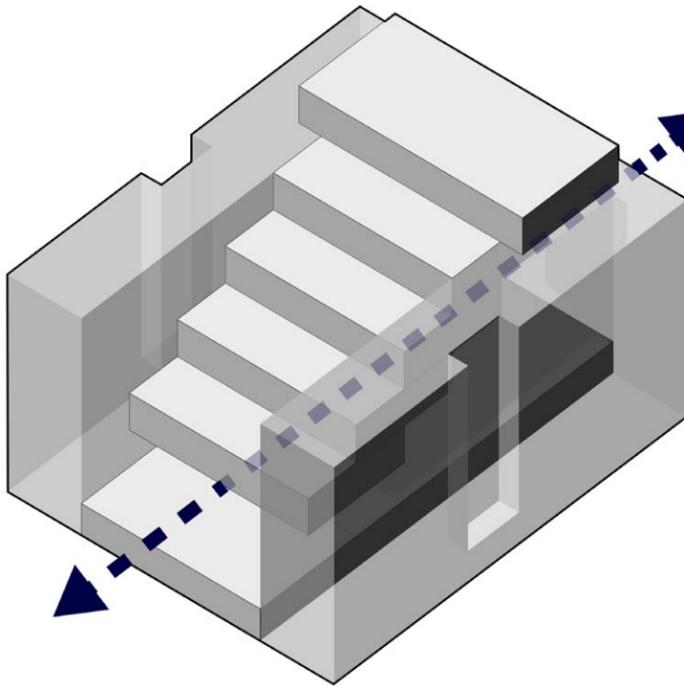
MAXIMIZE
SUN ANGLE



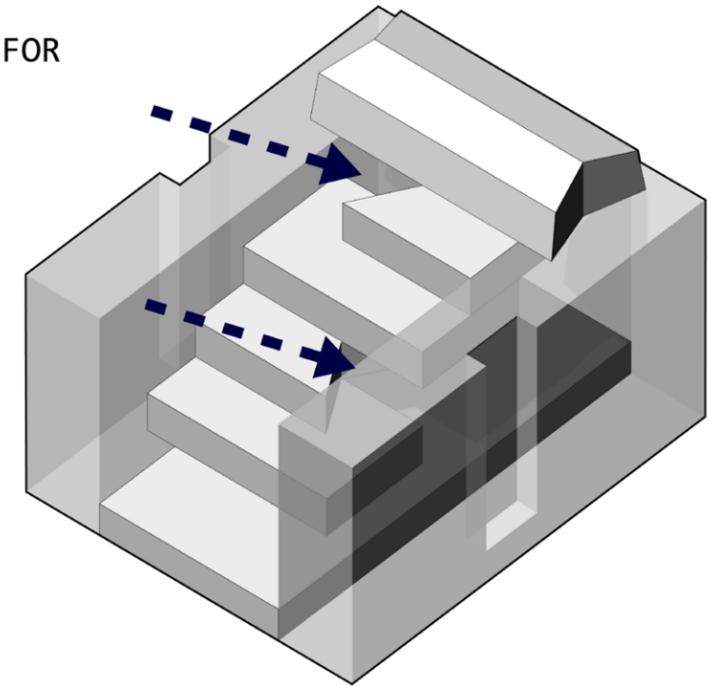
STEP
TERRACE



OPEN
GROUND



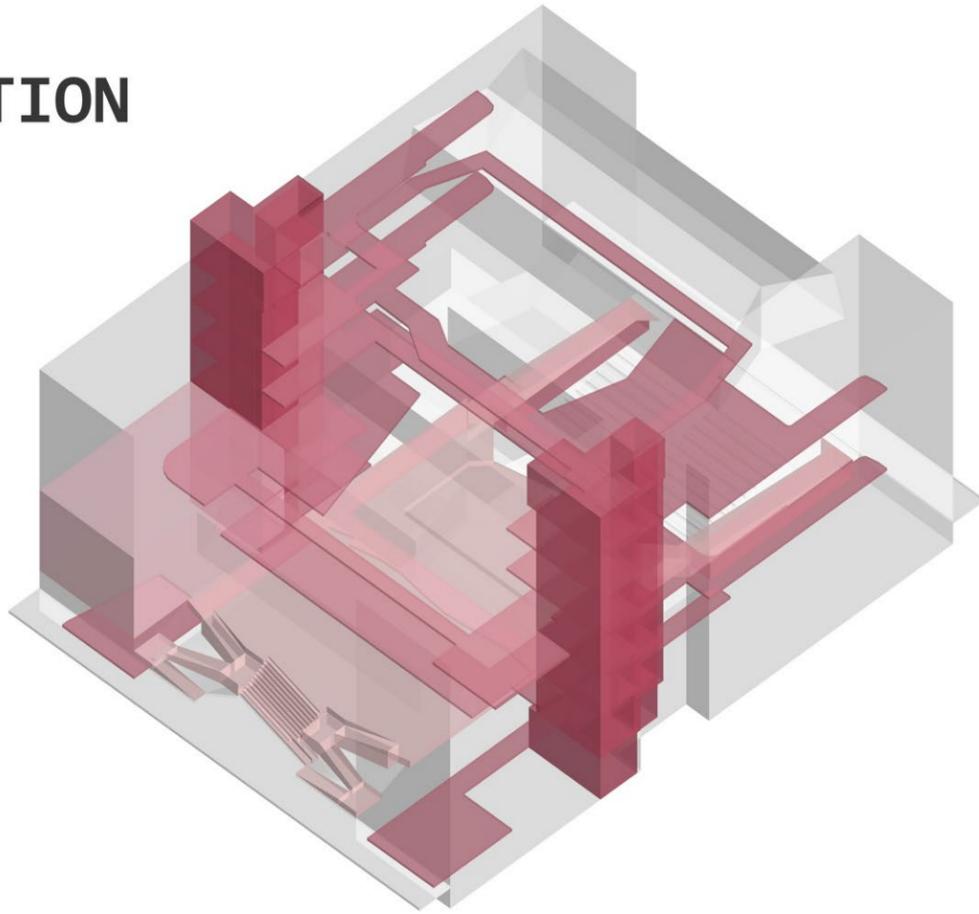
CARVE FOR
LIGHT



OPERATIONS

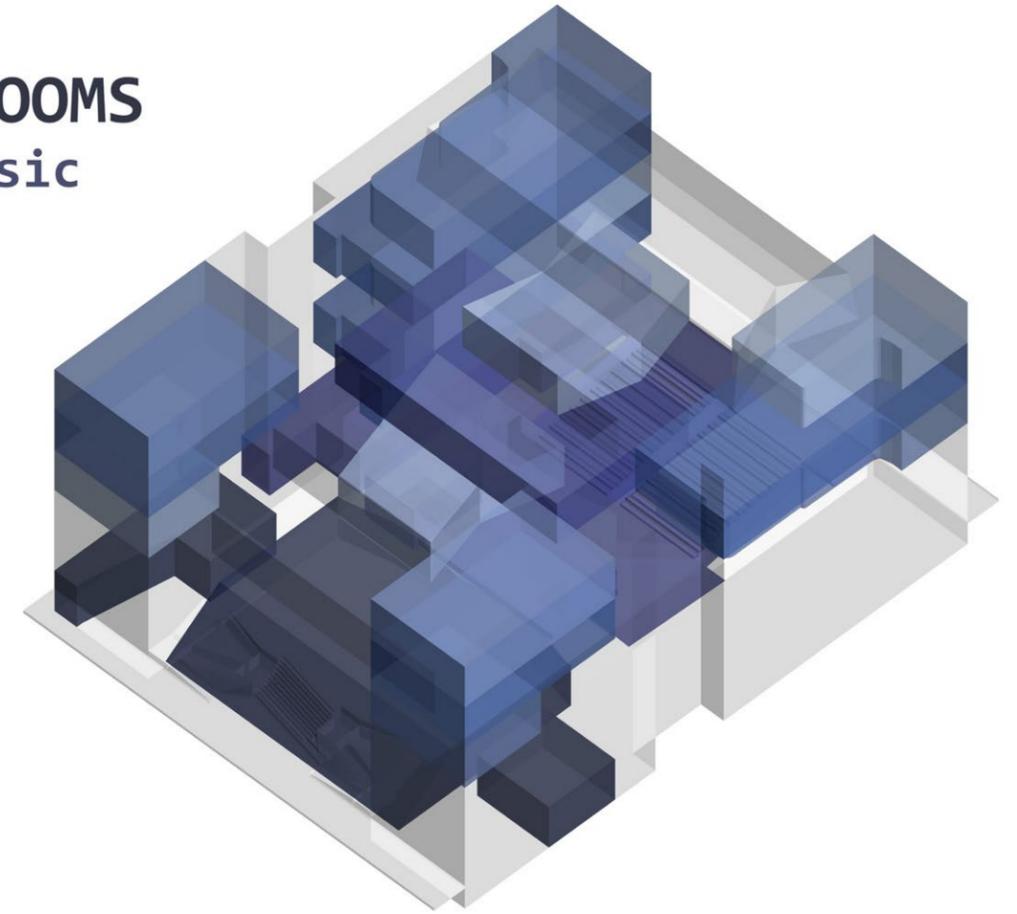
CIRCULATION

Vertical
Hallways
Lobby
Plaza



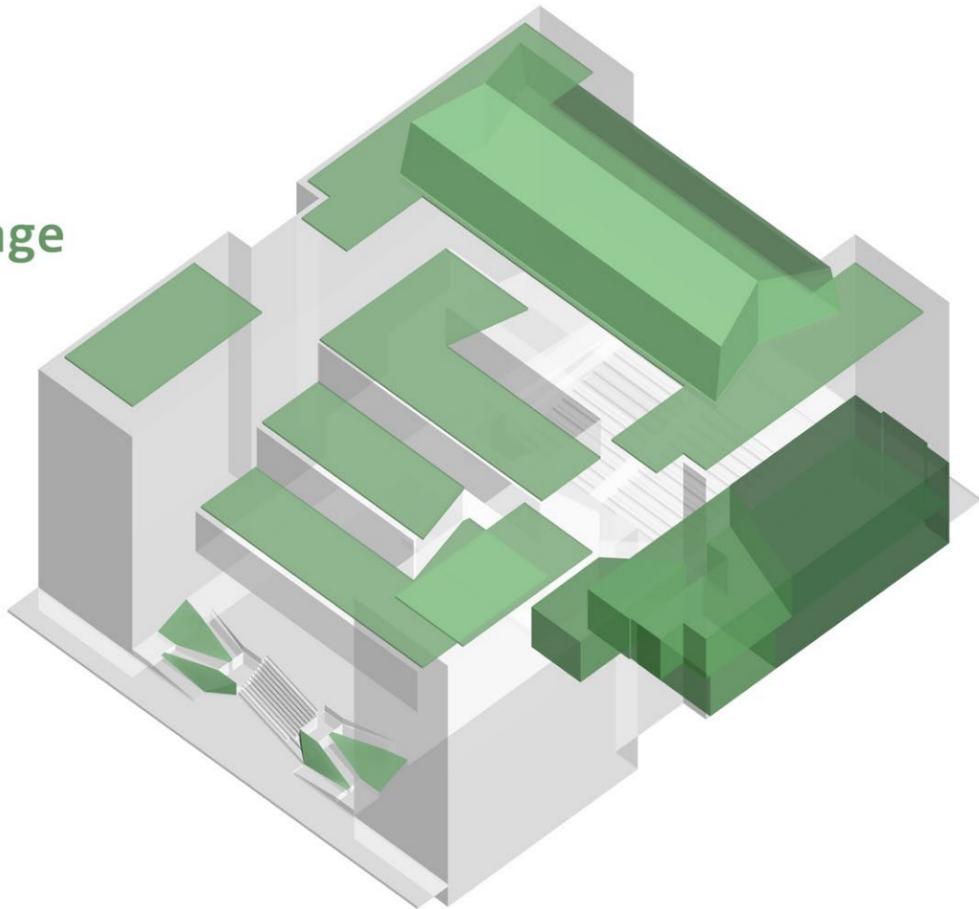
CLASS ROOMS

Arts + Music
Athletics
K - 2
3 - 5
6 - 8



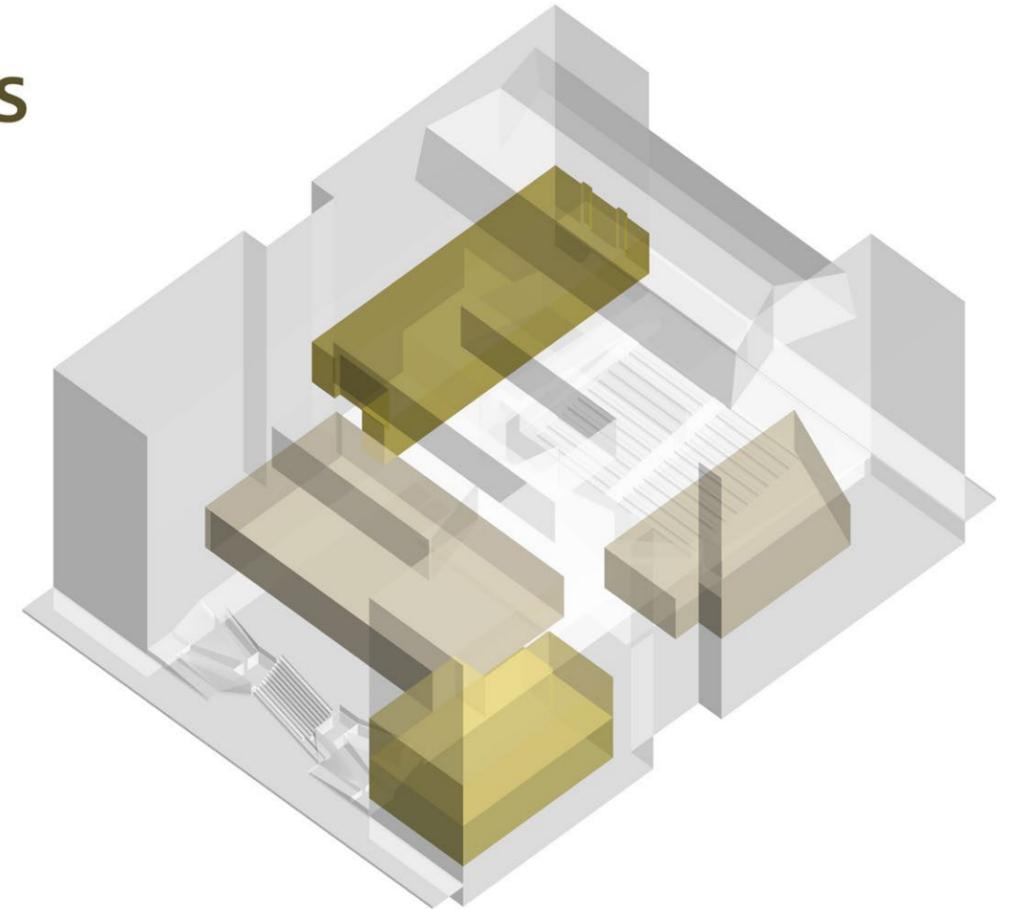
FOOD

Farming
Food Storage
Kitchen
Dining



SERVICES

Medical
Guidance
Admin
Library

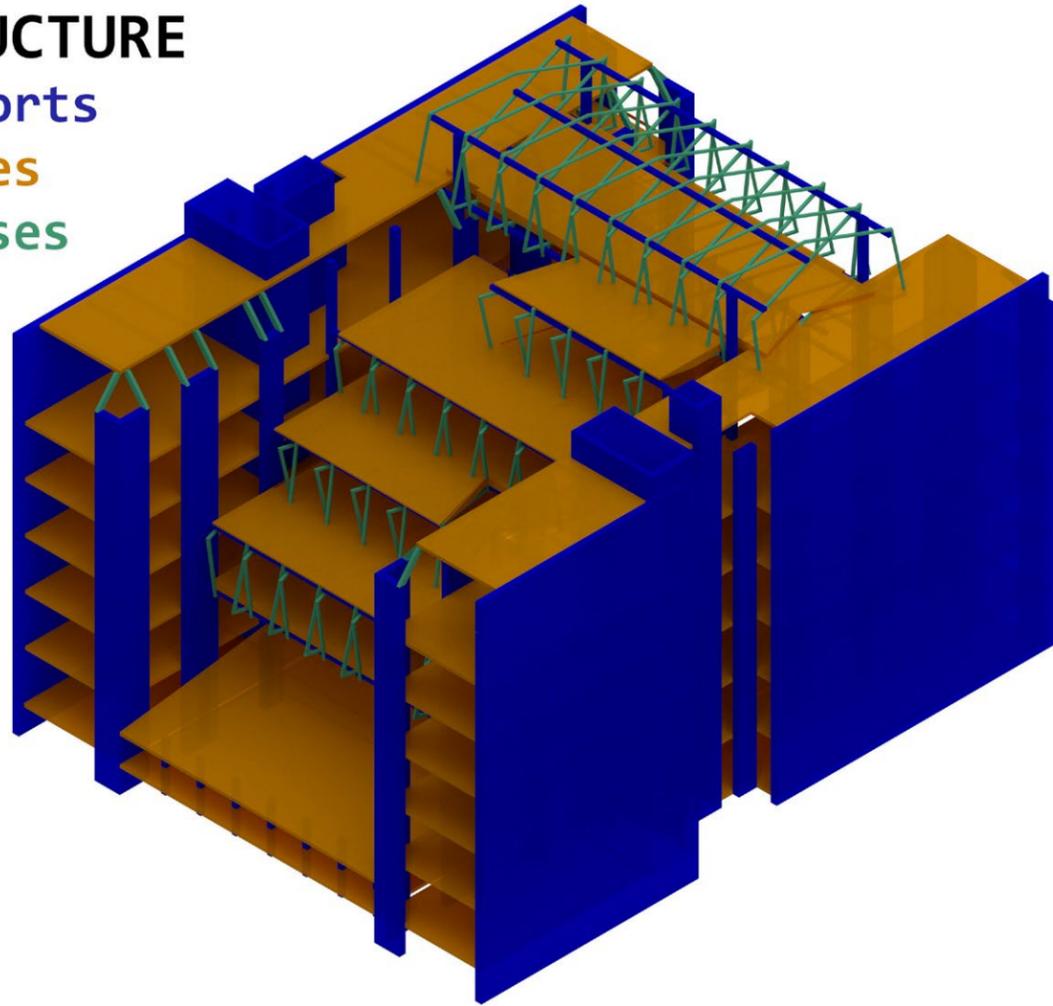


STRUCTURE

Supports

Plates

Trusses

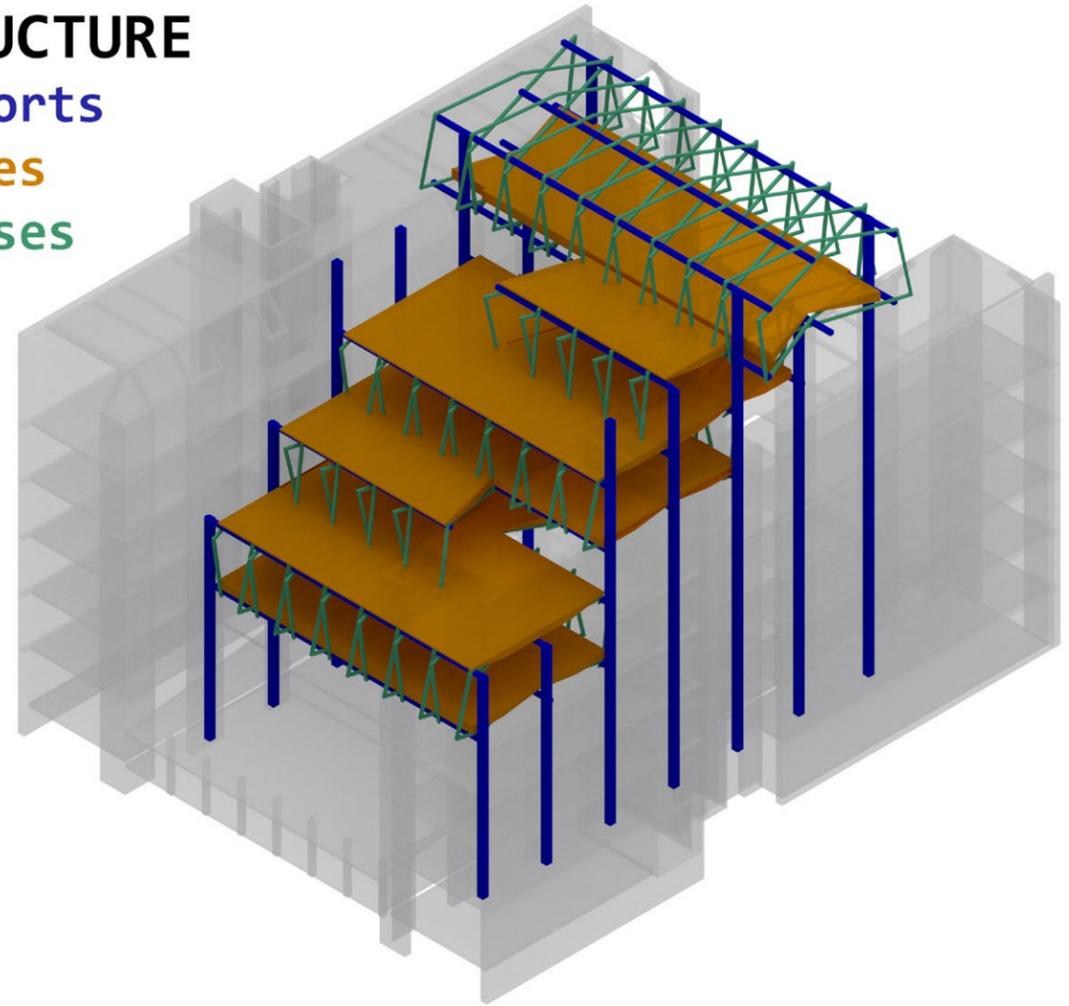


STRUCTURE

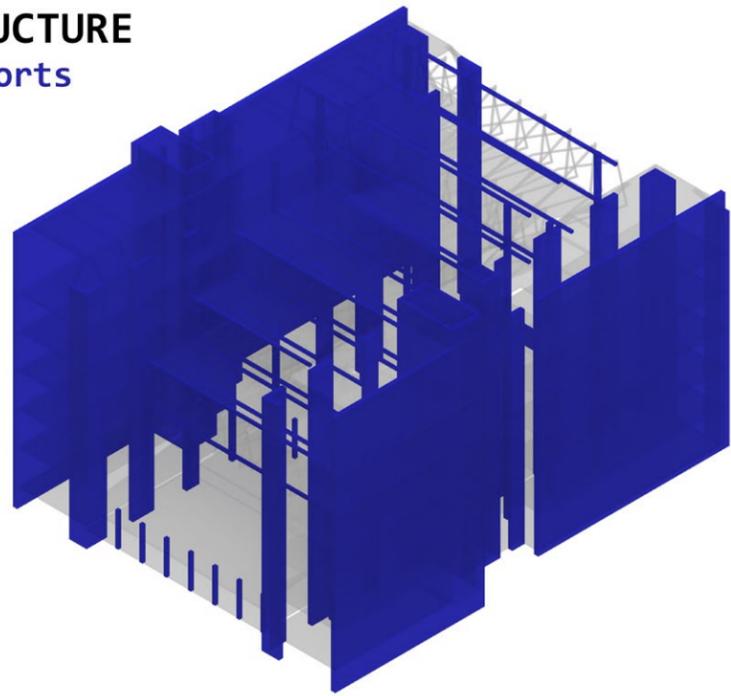
Supports

Plates

Trusses

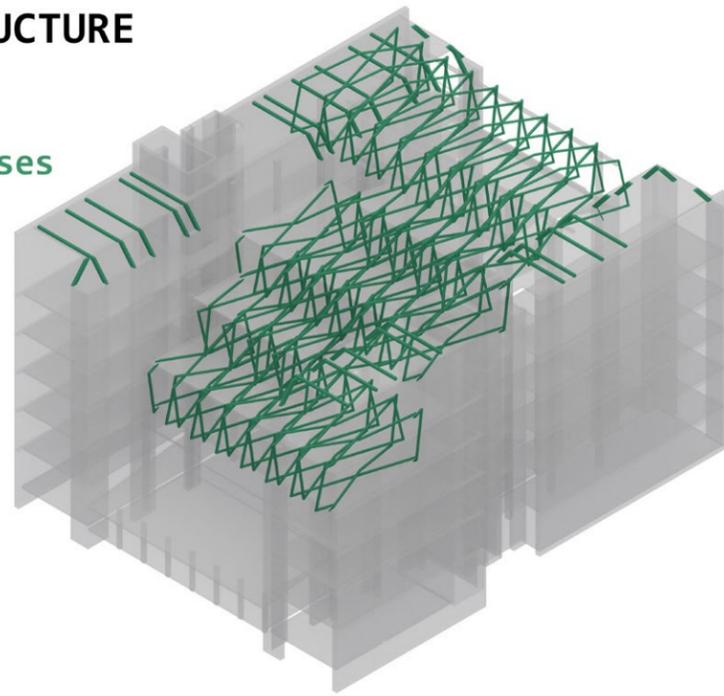


STRUCTURE
Supports



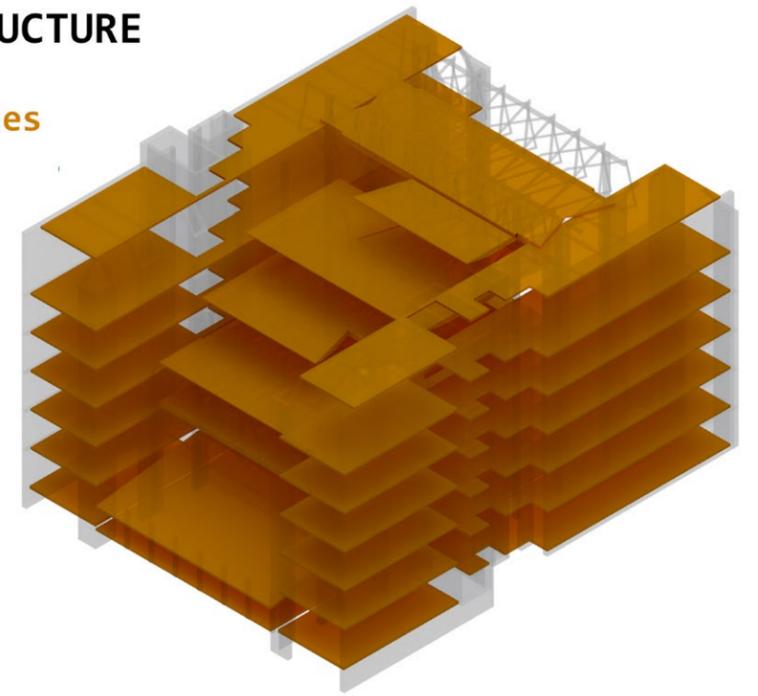
STRUCTURE

Trusses

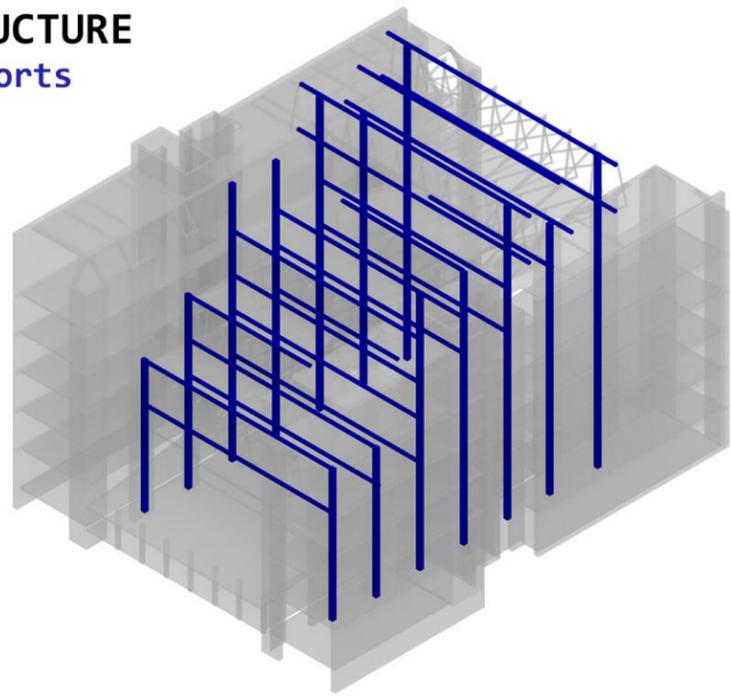


STRUCTURE

Plates

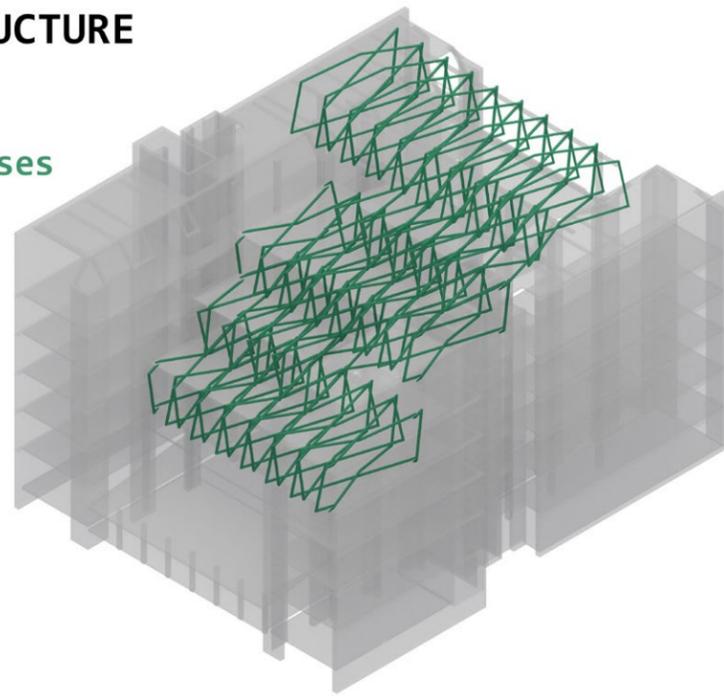


STRUCTURE
Supports



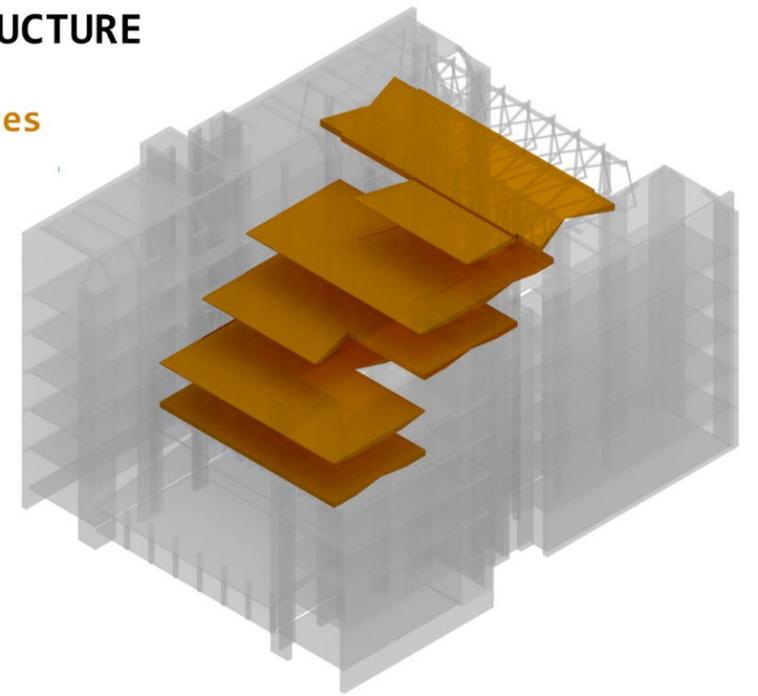
STRUCTURE

Trusses

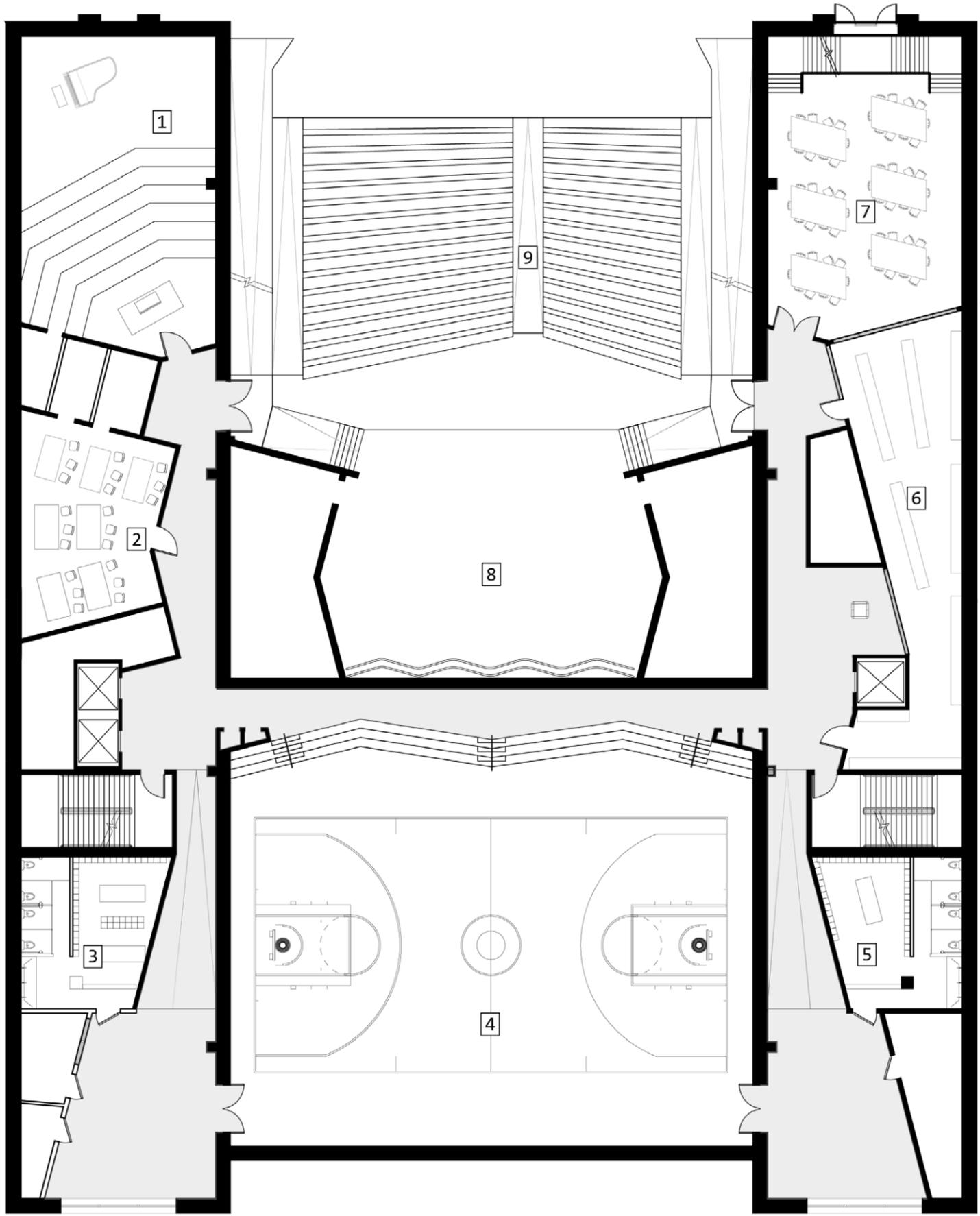


STRUCTURE

Plates

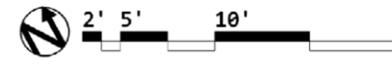
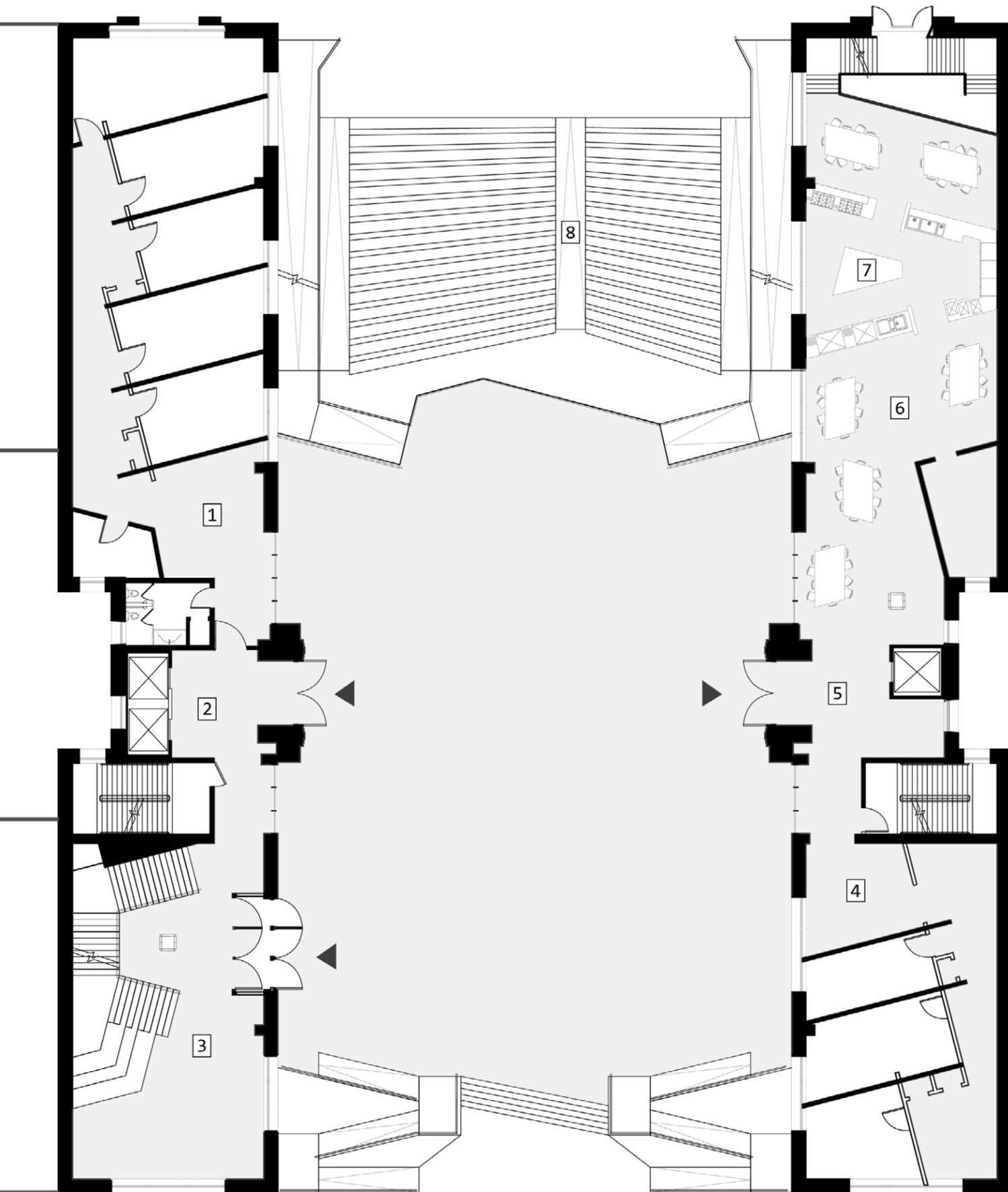


STRUCTURES



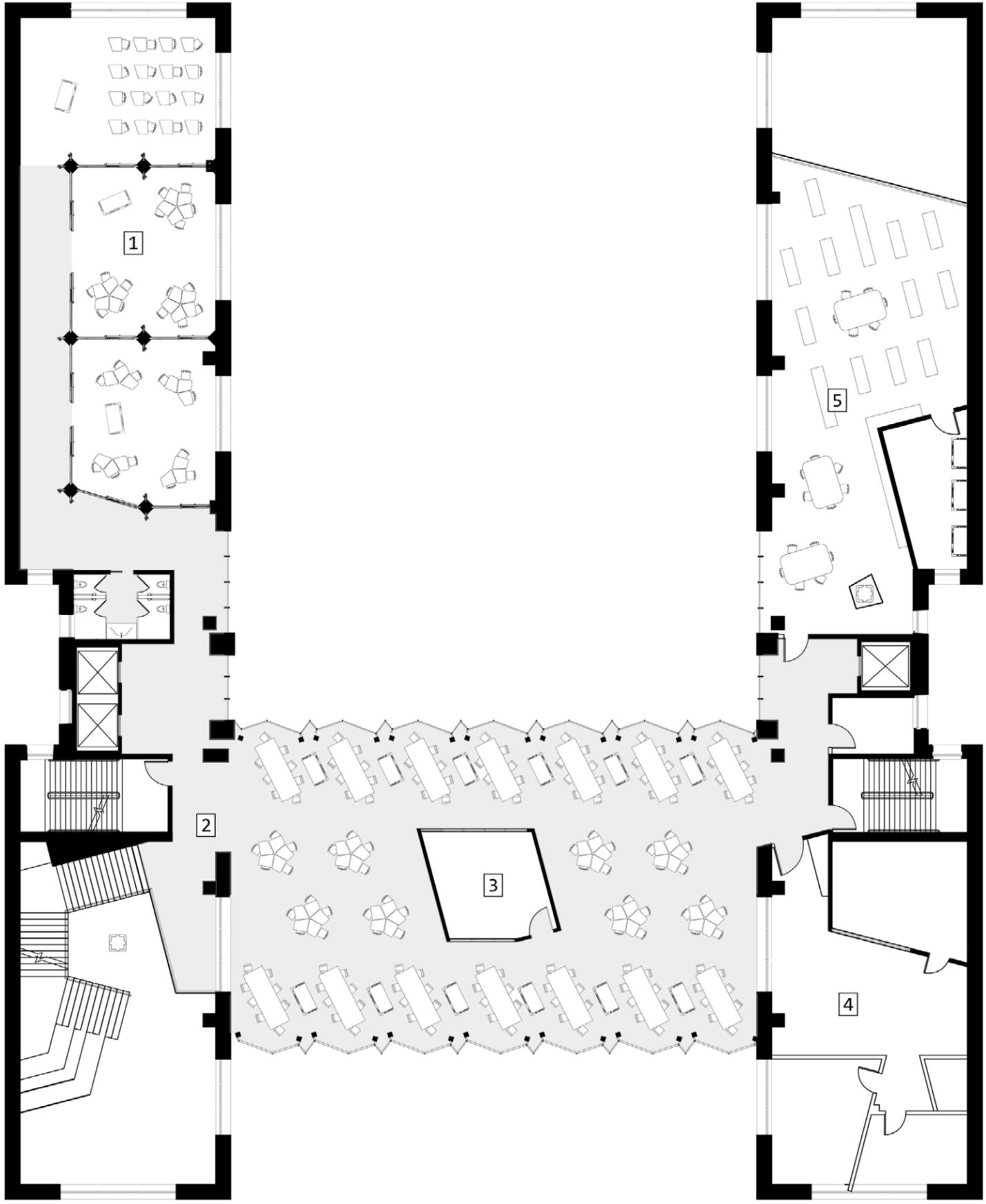
Basement Plan

- 1 Music Room
- 2 Woodshop
- 3 Boys' Lockerroom
- 4 Gym
- 5 Girls' Lockerroom
- 6 Food Storage/Freezer
- 7 Dining-Seating
- 8 Stage
- 9 Ampitheatre



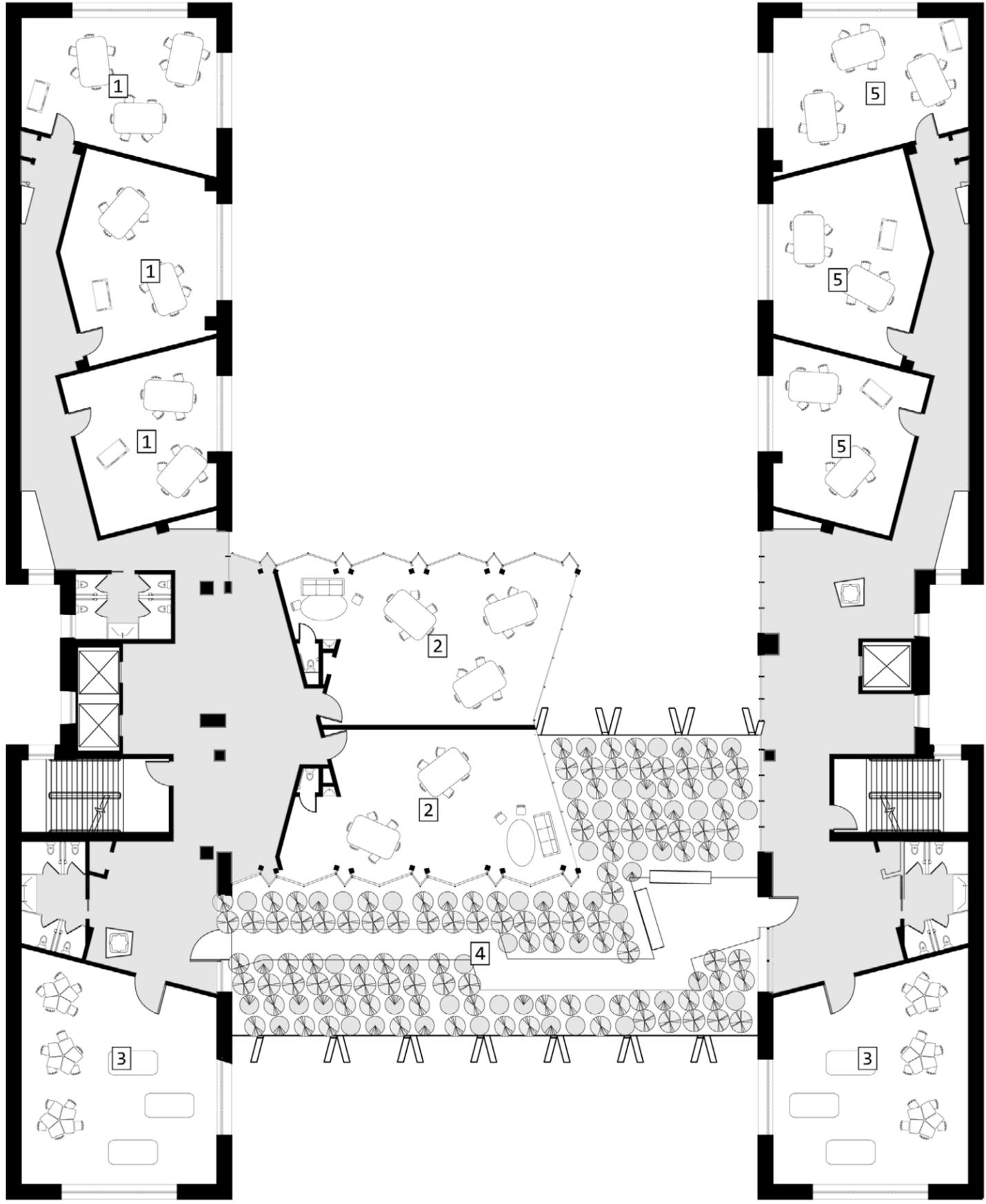
Ground Floor Plan

- 1 Medical Suite
- 2 Public Entrance (Day + Night)
- 3 School Entrance (Day)
- 4 Guidance Suite
- 5 Public Entrance (Day)
- 6 Dining
- 7 Kitchen
- 8 Ampitheatre (below)



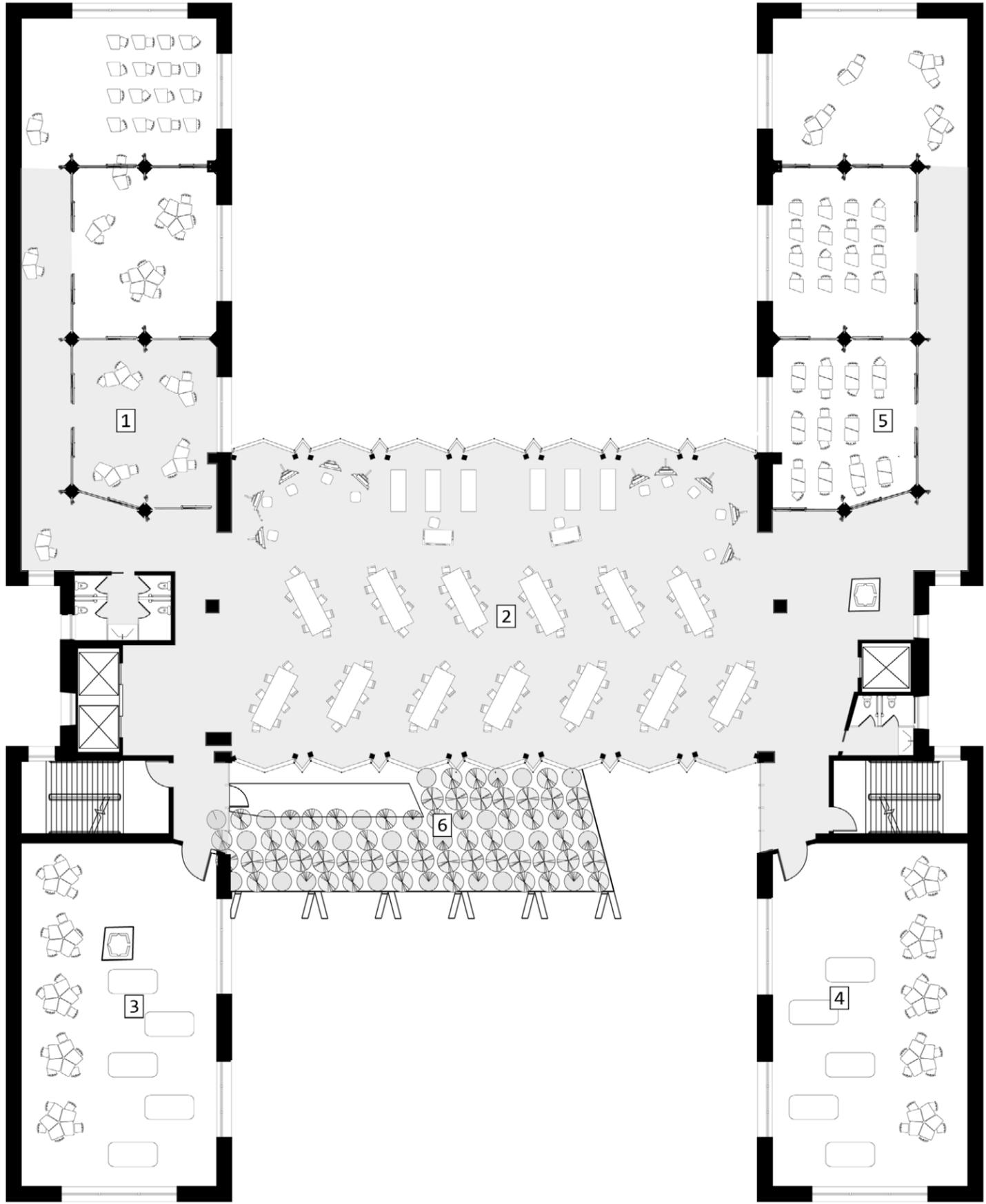
Second Floor Plan

- 1 6th Grade
- 2 Mezzanine
- 3 Loud Library
- 4 Aministrative Suite
- 5 Quiet Library



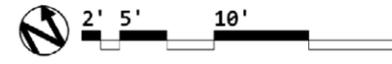
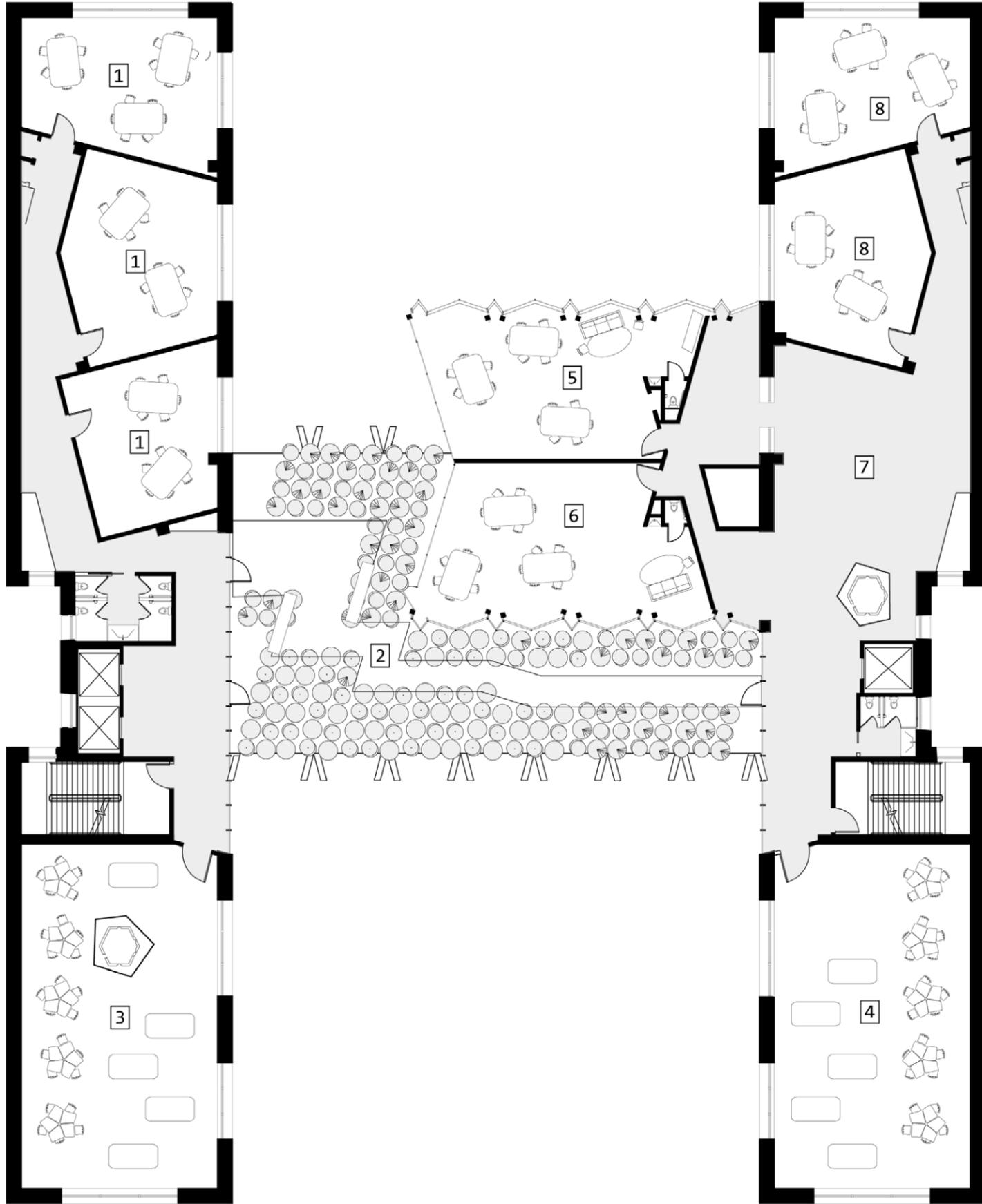
Third Floor Plan

- 1 Second Grade
- 2 Kindergarten
- 3 First Grade
- 4 Beginners' Garden
- 5 Third Grade



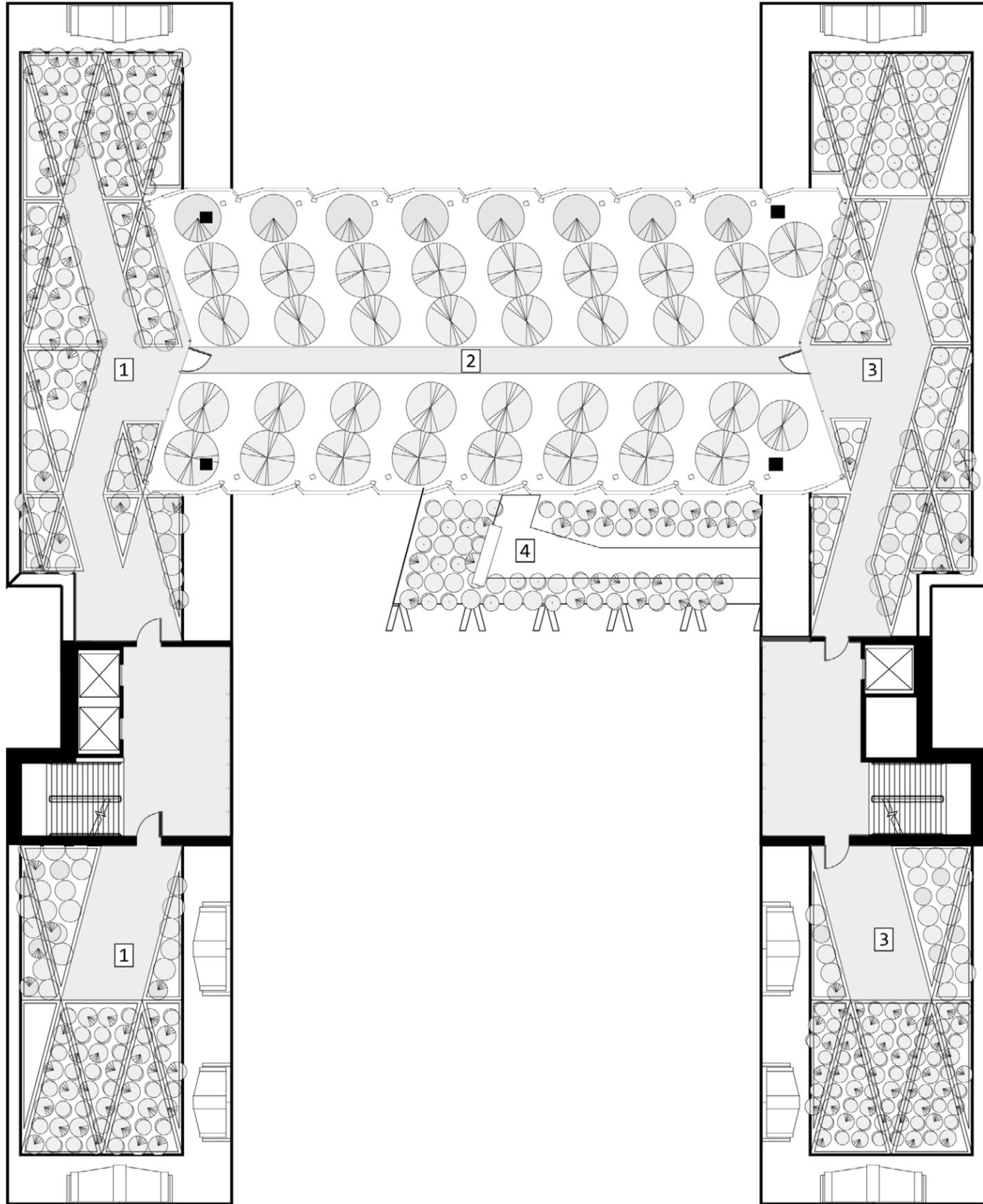
Fourth Floor Plan

- 1 Seventh Grade
- 2 Art Studio
- 3 Earth-science Lab
- 4 Tech Lab
- 5 Eighth Grade
- 6 Biology Garden



Fifth Floor Plan

- 1 Fourth Grade
- 2 Medicinal Garden
- 3 Exploratory Space
- 4 Teacher's Room
- 5 Kindergrarten
- 6 SPED
- 7 Lounge
- 8 Fifth Grade

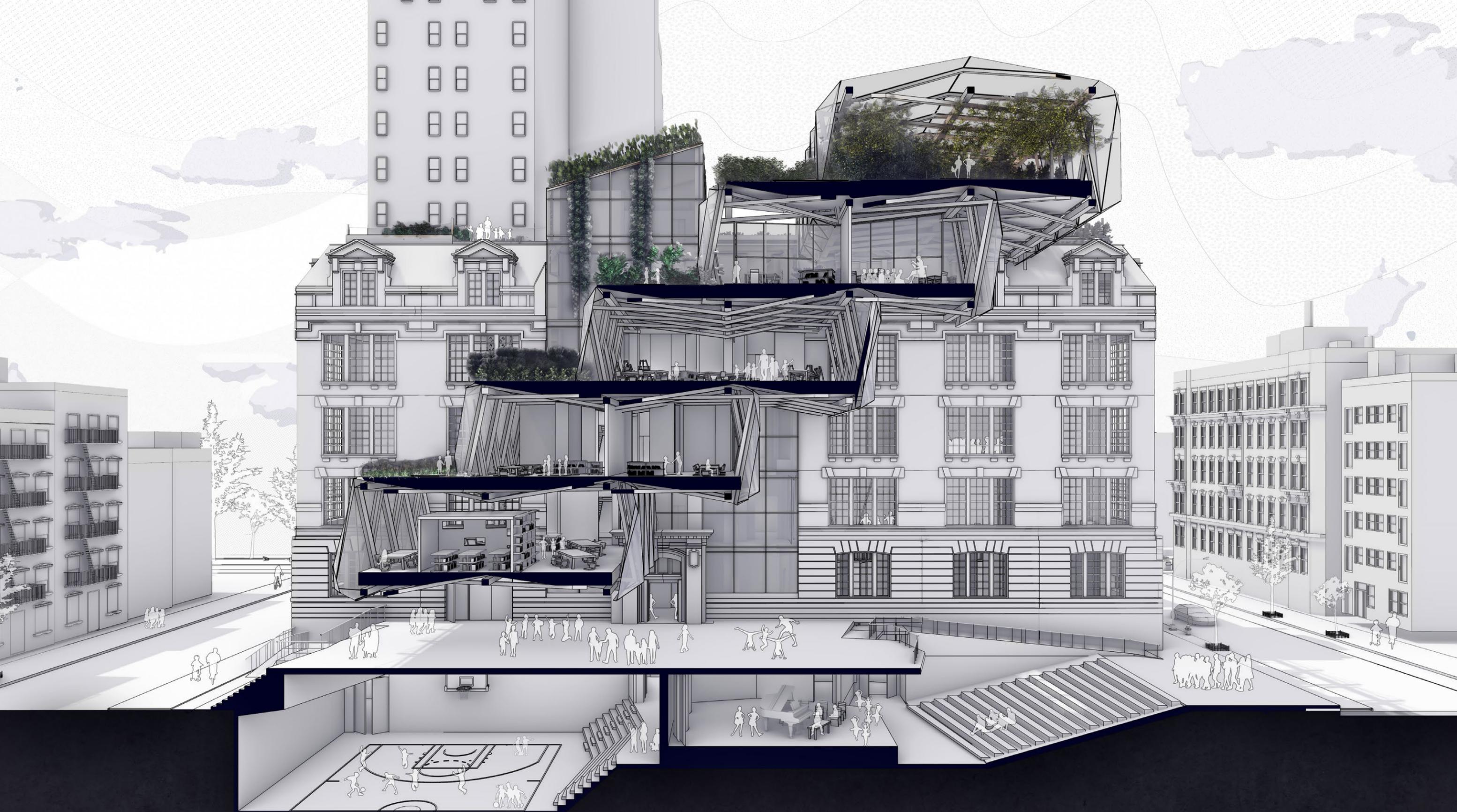


Roof Plan

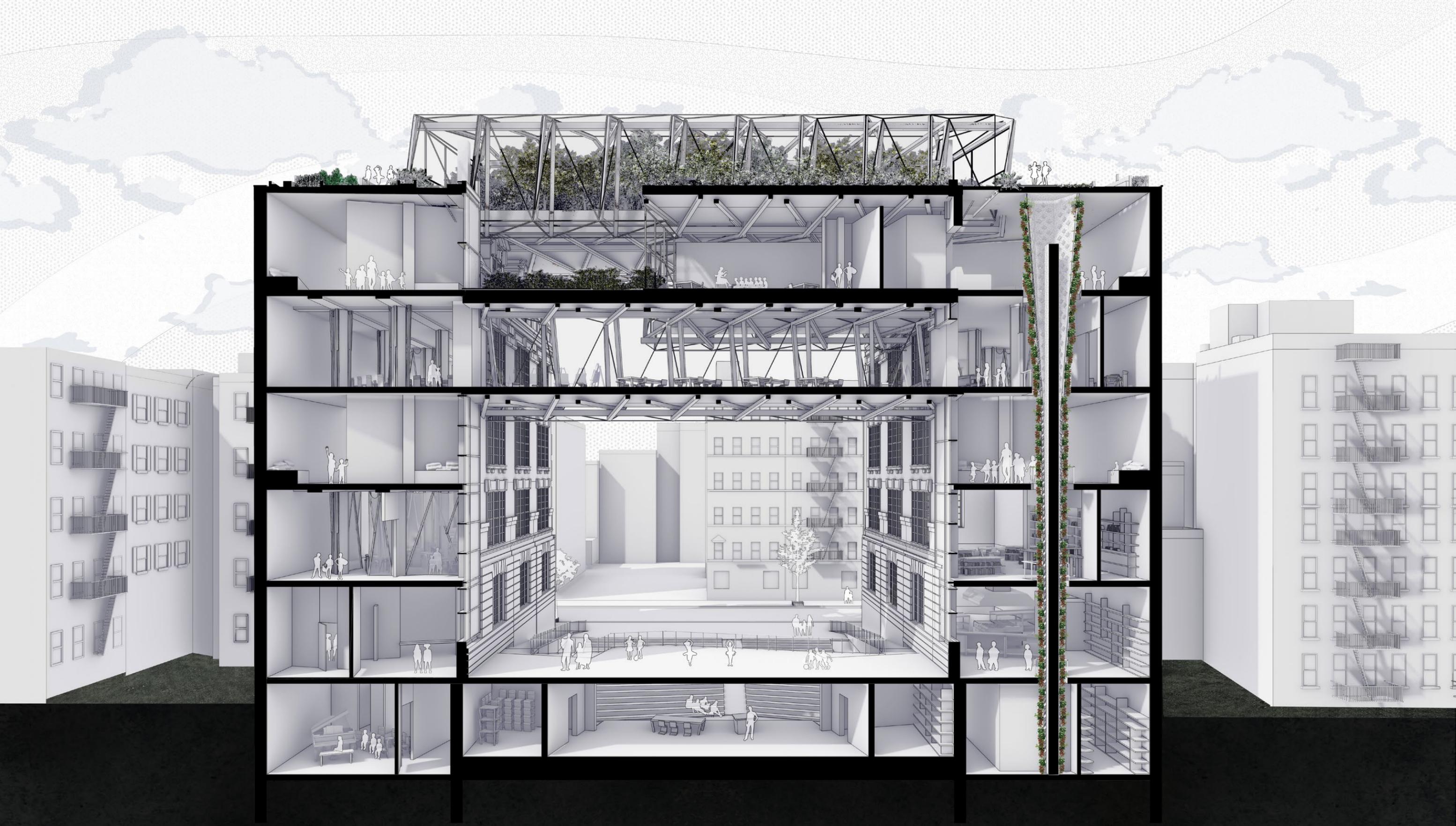
- 1 Public Plots
- 2 Greenhouse (Public + School)
- 3 School Plots
- 4 Meditative Garden



AERIAL VIEW



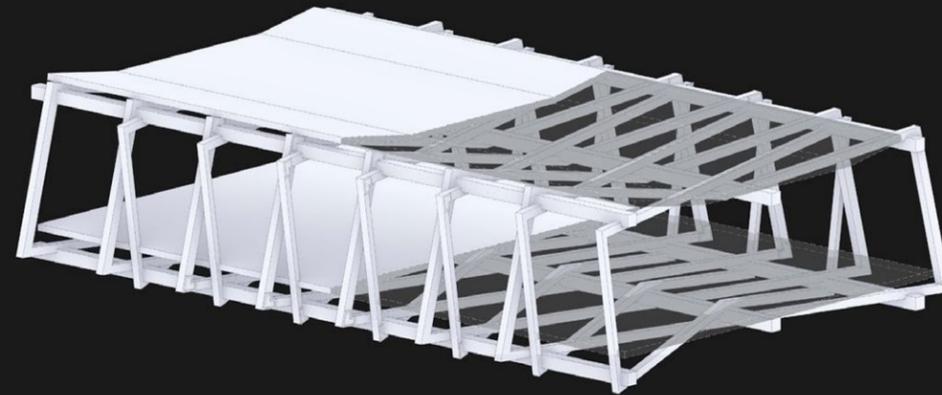
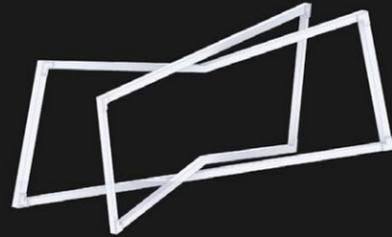
E/W Section



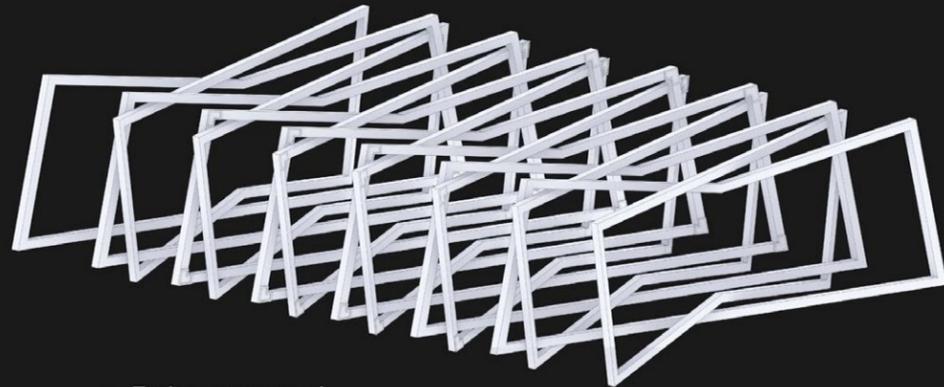
N/S Section



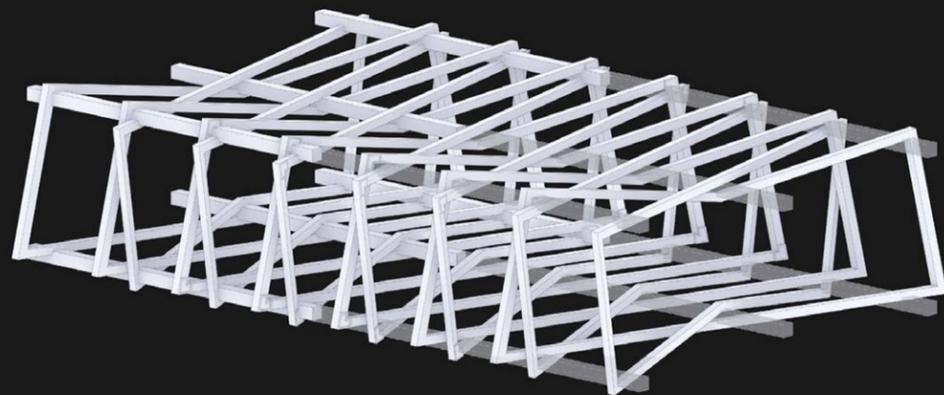
+



+ Lay Slabs



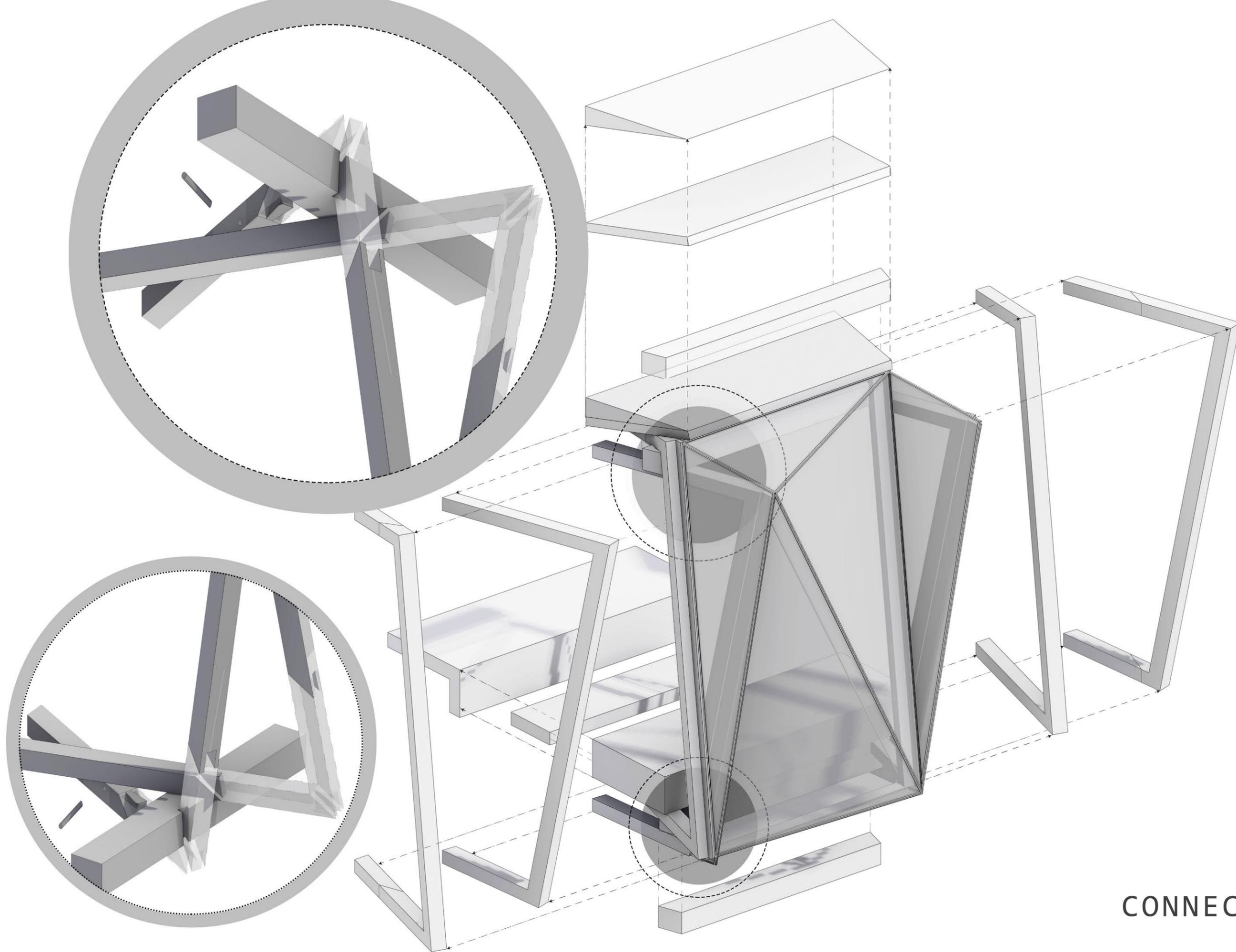
+ Interconnect
and offset



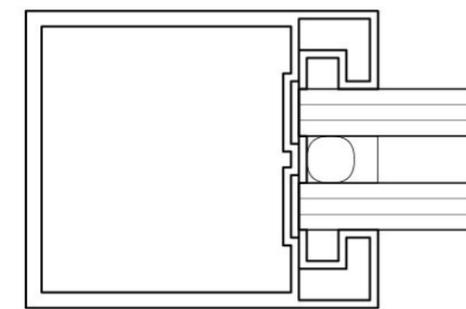
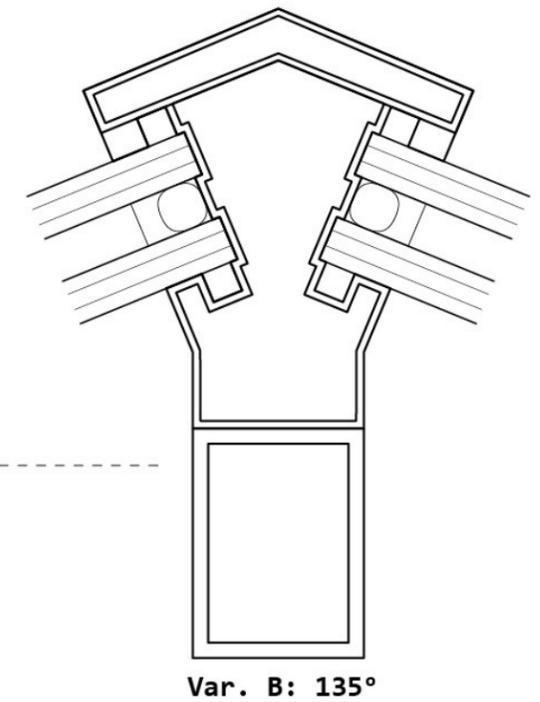
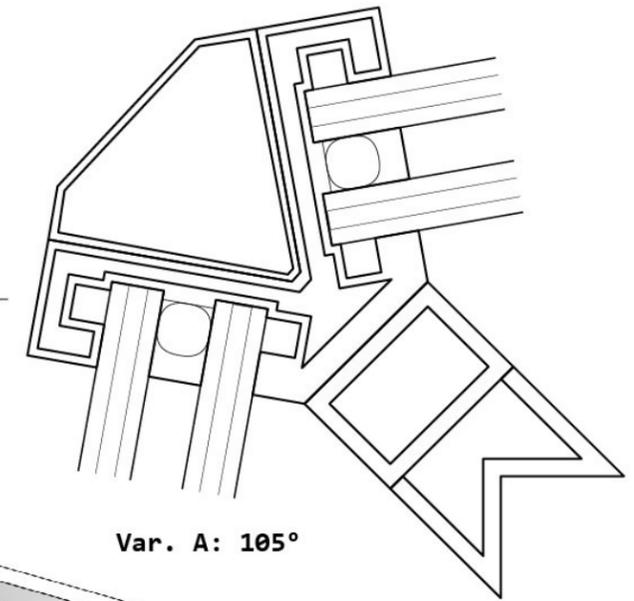
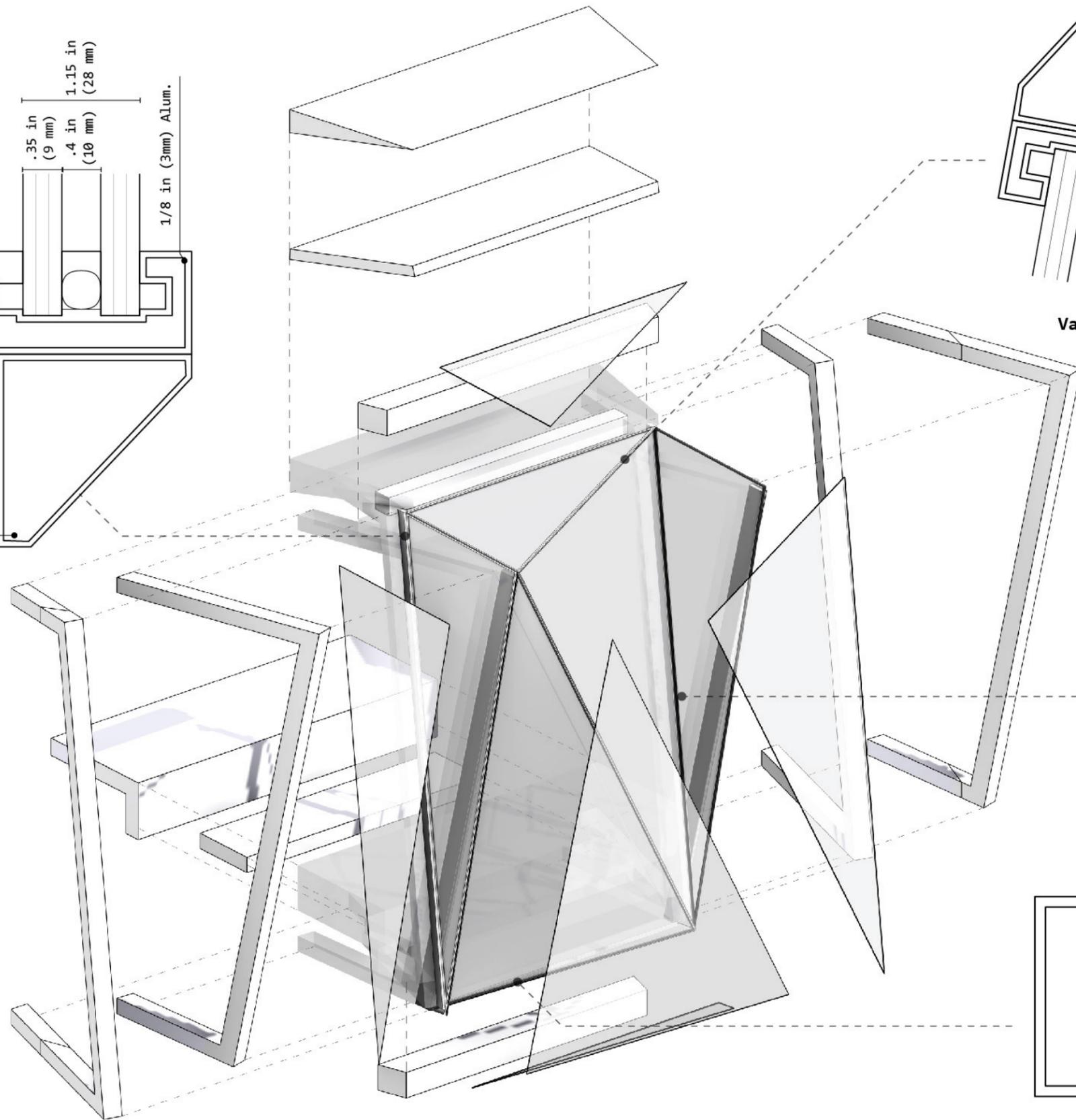
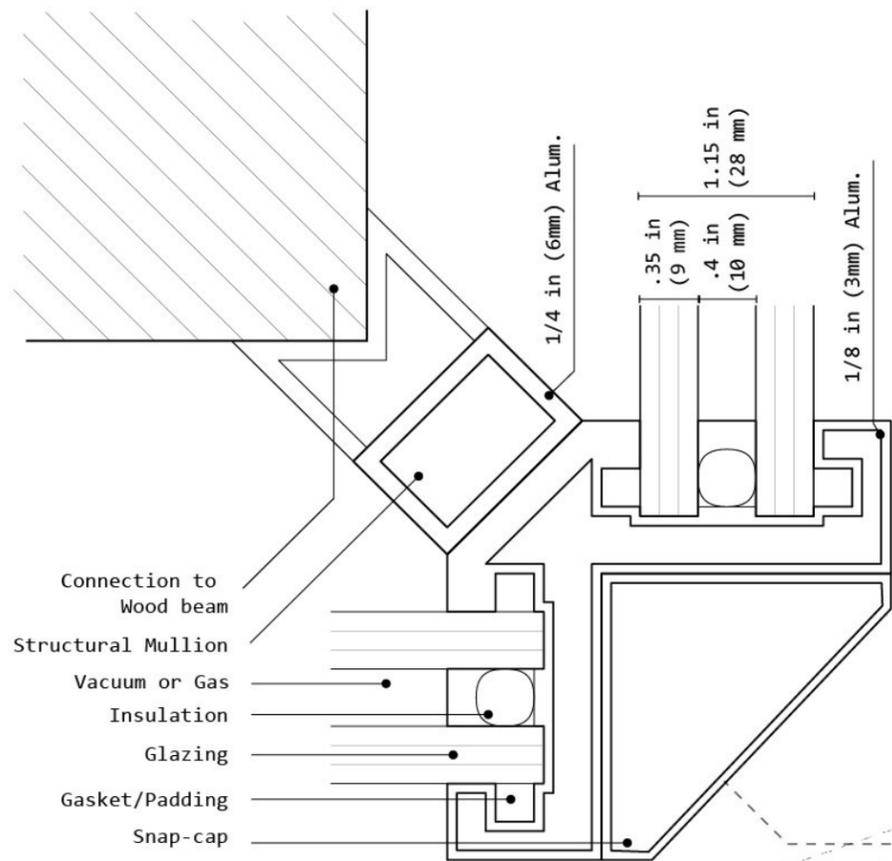
+ Weave beams



ASSEMBLAGE



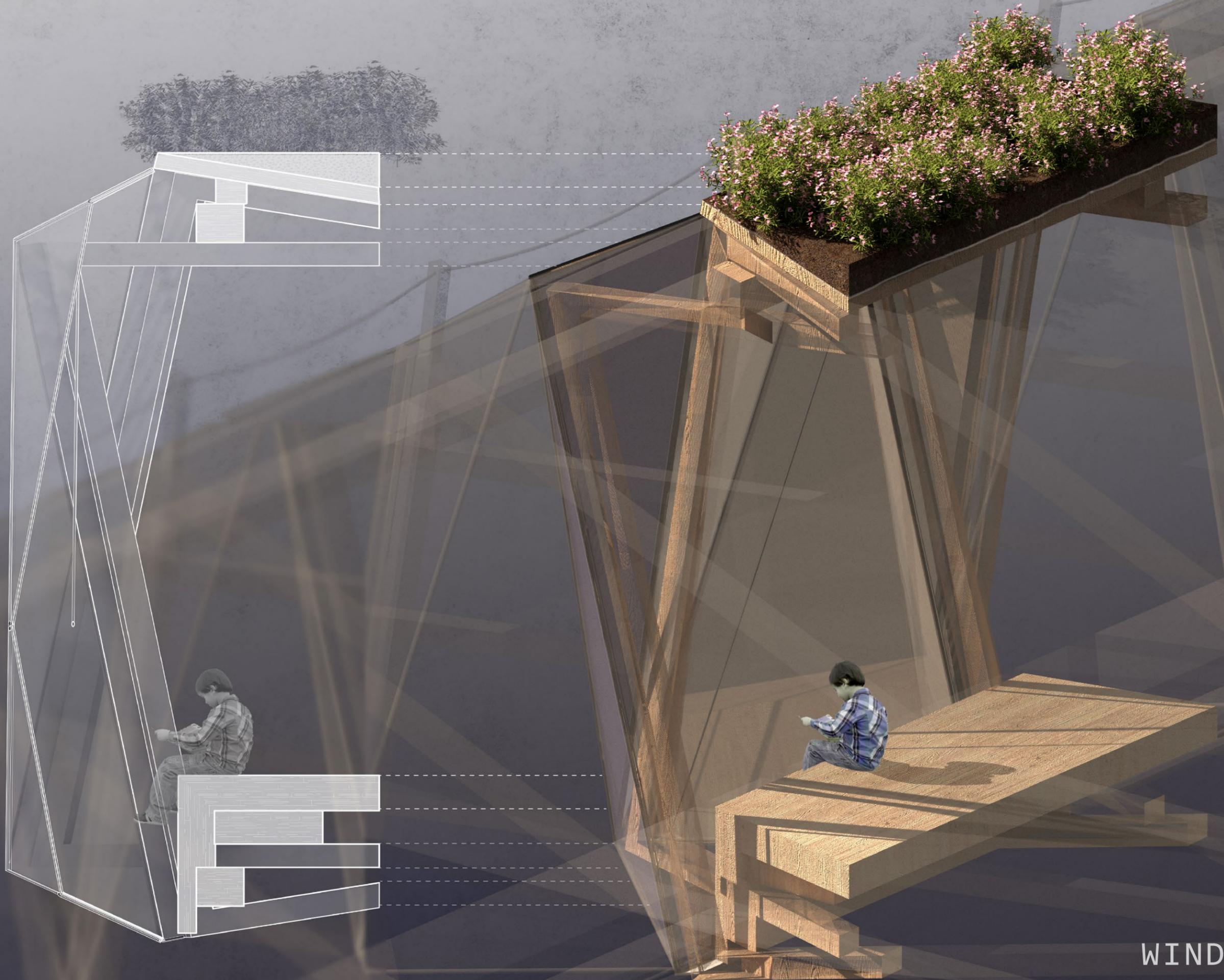
CONNECTIONS



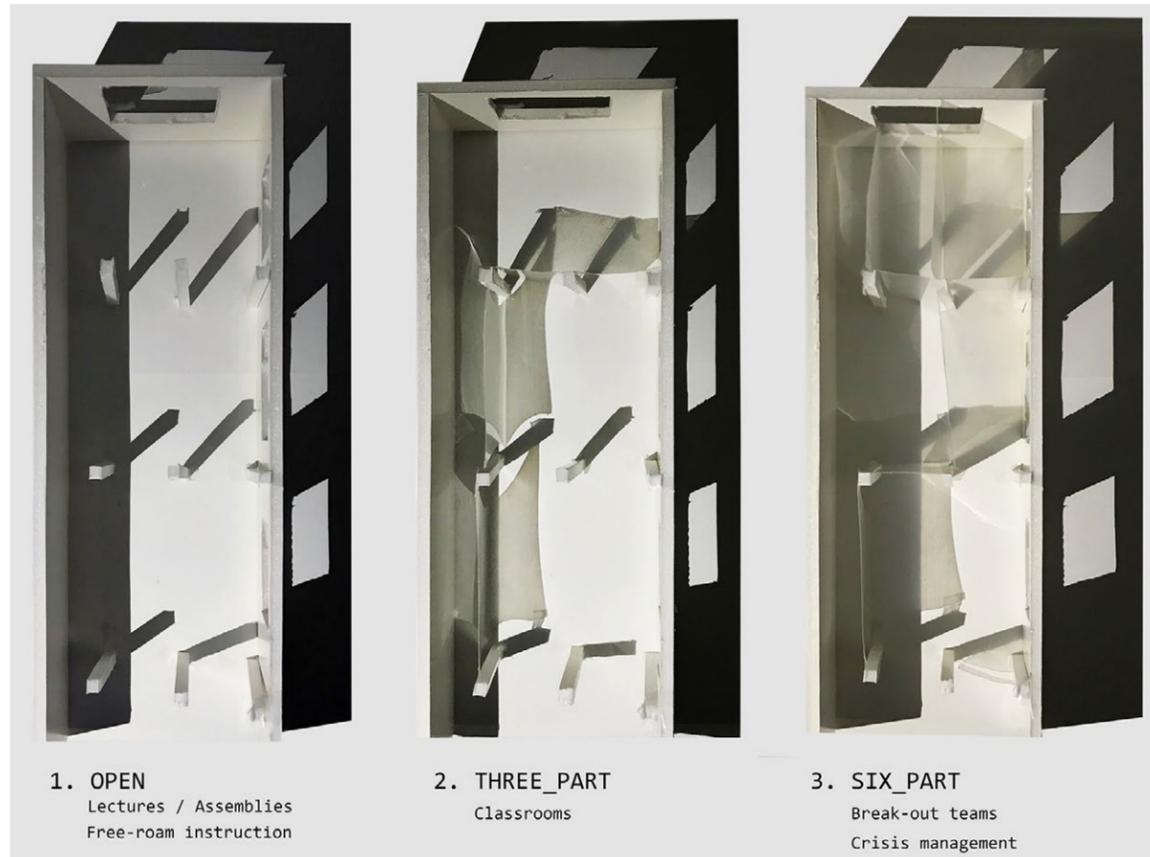
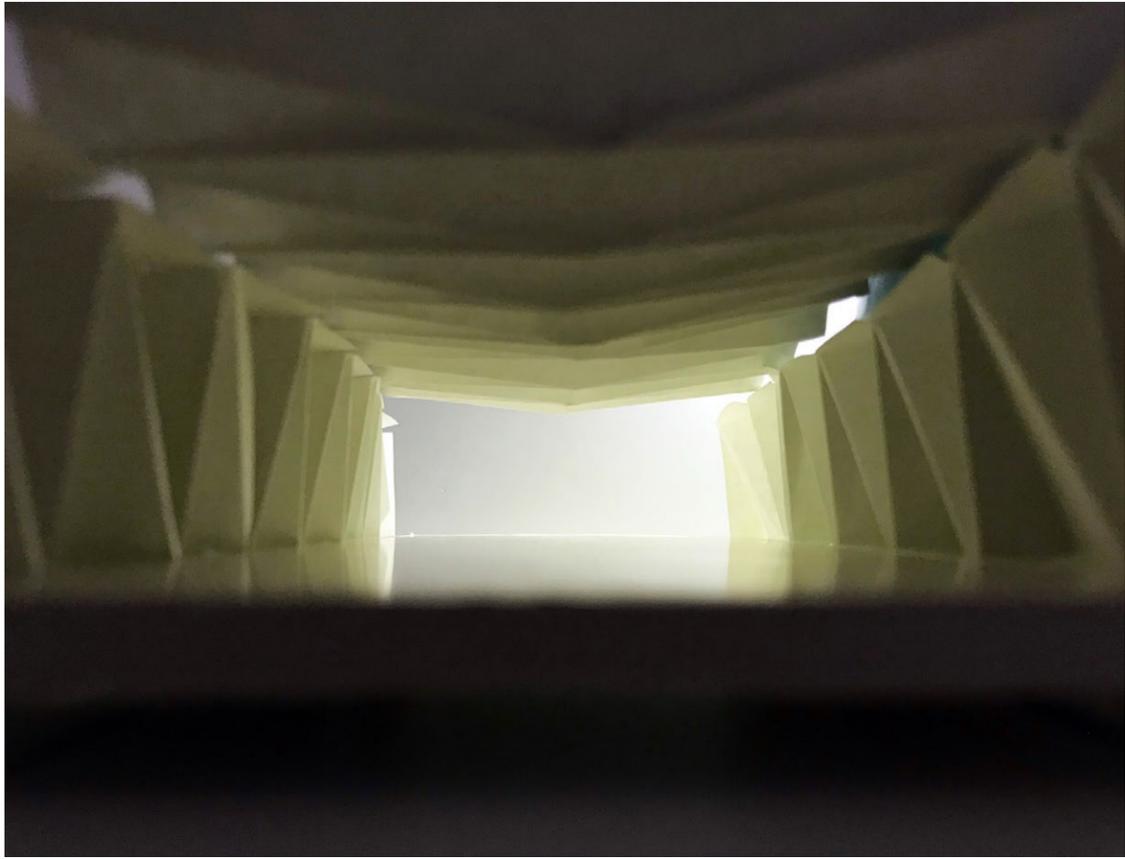
Typical window bay:

Mullions, joints
and variations

CONNECTIONS



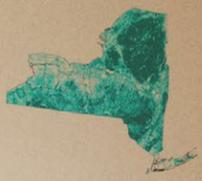
WINDOW UNIT



PAPER INTERIORS



ART CLASS



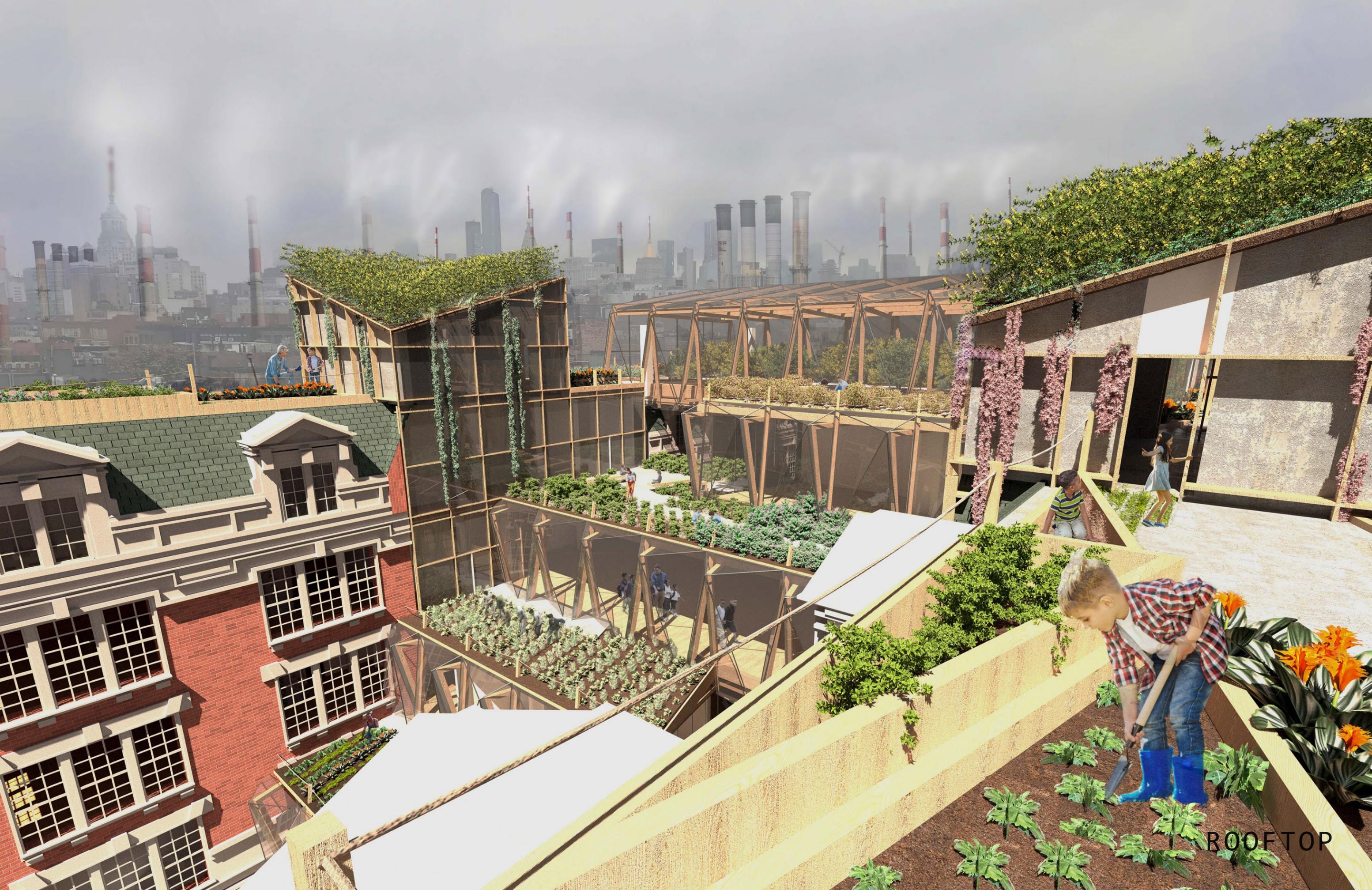
Viking Battles
Battles Involving the Viking
www.viking.org/roper/battles
The 7 Most Bizarre Viking Ships
History of Battles
www.viking.org/roper/battles

Viking Jewelry
Viking Jewelry - Sterling Silver and
Viking Jewelry for Sale
www.vikingjewelry.com/viking-jewelry.htm
Aug 3
1000 Year Old Viking Jewelry Found
on the Coast
© 2008 vikingjewelry.com

CLASSROOM



CLASSROOM VIEW



ROOFTOP



9th
Street



THE EARTH NEEDS CLIMATE

WE ARE ALL HERE

WE ARE ALL HERE

GREEN LIFE

W

W

W

THE EARTH NEEDS CLIMATE

STOP

STOP

STOP

HEALTHY CHILDREN

HEALTHY CHILDREN

HEALTHY CHILDREN

W

REBEL FOR LIFE
TELL THE TRUTH

OUR HOUSE IS ON FIRE

10th Street