ARCHITECTURAL GASTRONOMY

Creating connections between people through architecture and food with sustainability, community, and culture.

GASTRONOMY

gas·tron·o·my | \ ga- strä-nə-mē

the science that studies the connection between food, tradition and culture of a certain region or area

CAN THE ART OF ARCHITECTURE AND FOOD TRANSFORM THROUGH THE LENS OF SUSTAINABILITY TO CULTIVATE BETTER HUMAN CONNECTIONS?

RESEARCH

ARCHITECTURE OF FOOD: A STUDY ON THE IMPACT OF FOOD MALLS IN KUWAIT

FOOD, ARCHITECTURE, AND EXPERIENCE DESIGN

THROUGH SUSTAINABILITY, COMMUNITY CONNECTIONS, AND CULTURAL INTEGRATION THE ART OF ARCHITECTURE AND FOOD CAN BE USED TO CREATE HUMAN CONNECTIONS.

GOALS

SUSTAINABILITY

SUSTAINABILITY

CULTURAL INTEGRATION

SUSTAINABILITY

CULTURAL INTEGRATION

COMMUNITY CONNECTIONS

SUSTAINABILITY

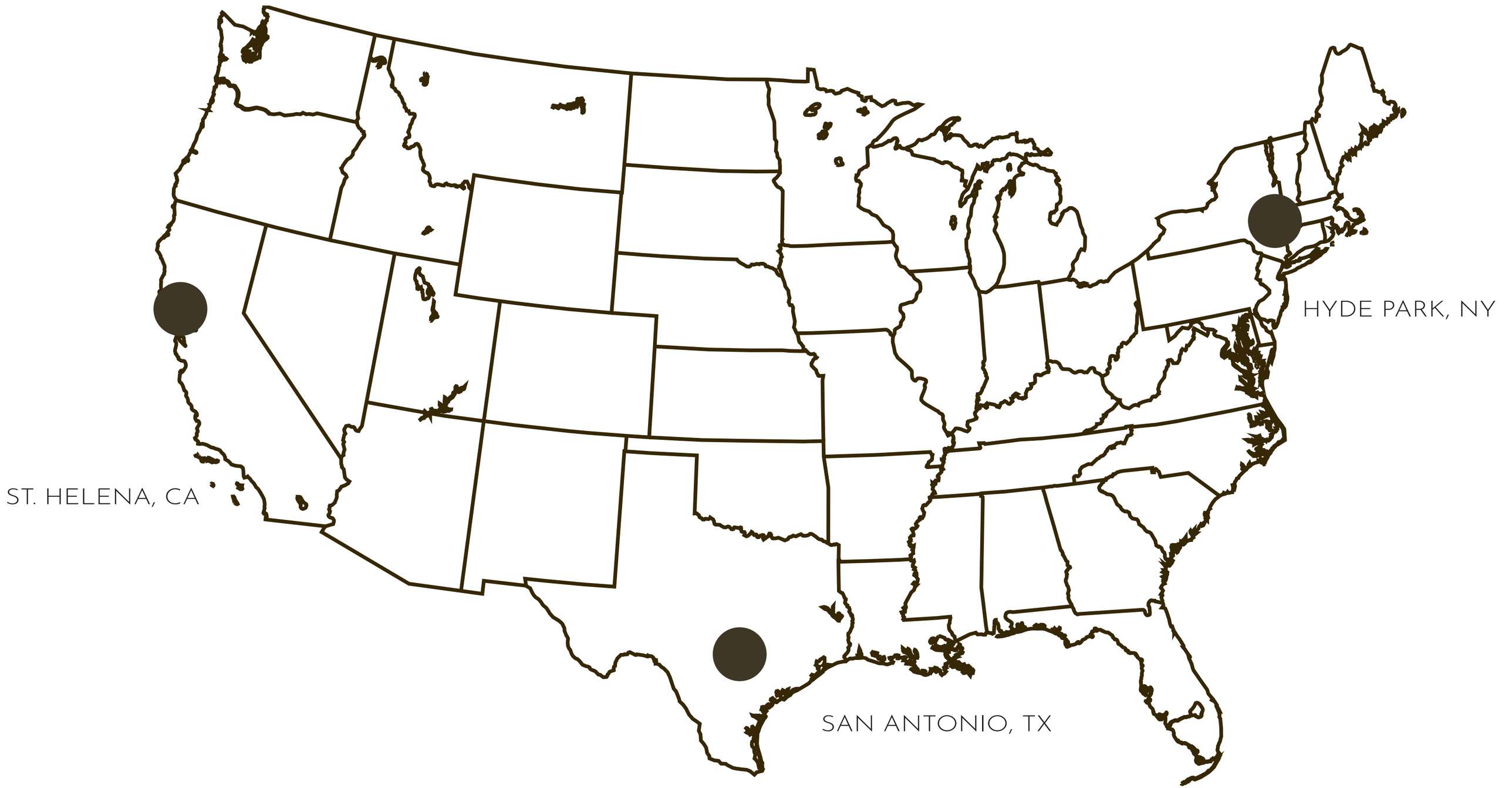
CULTURAL INTEGRATION

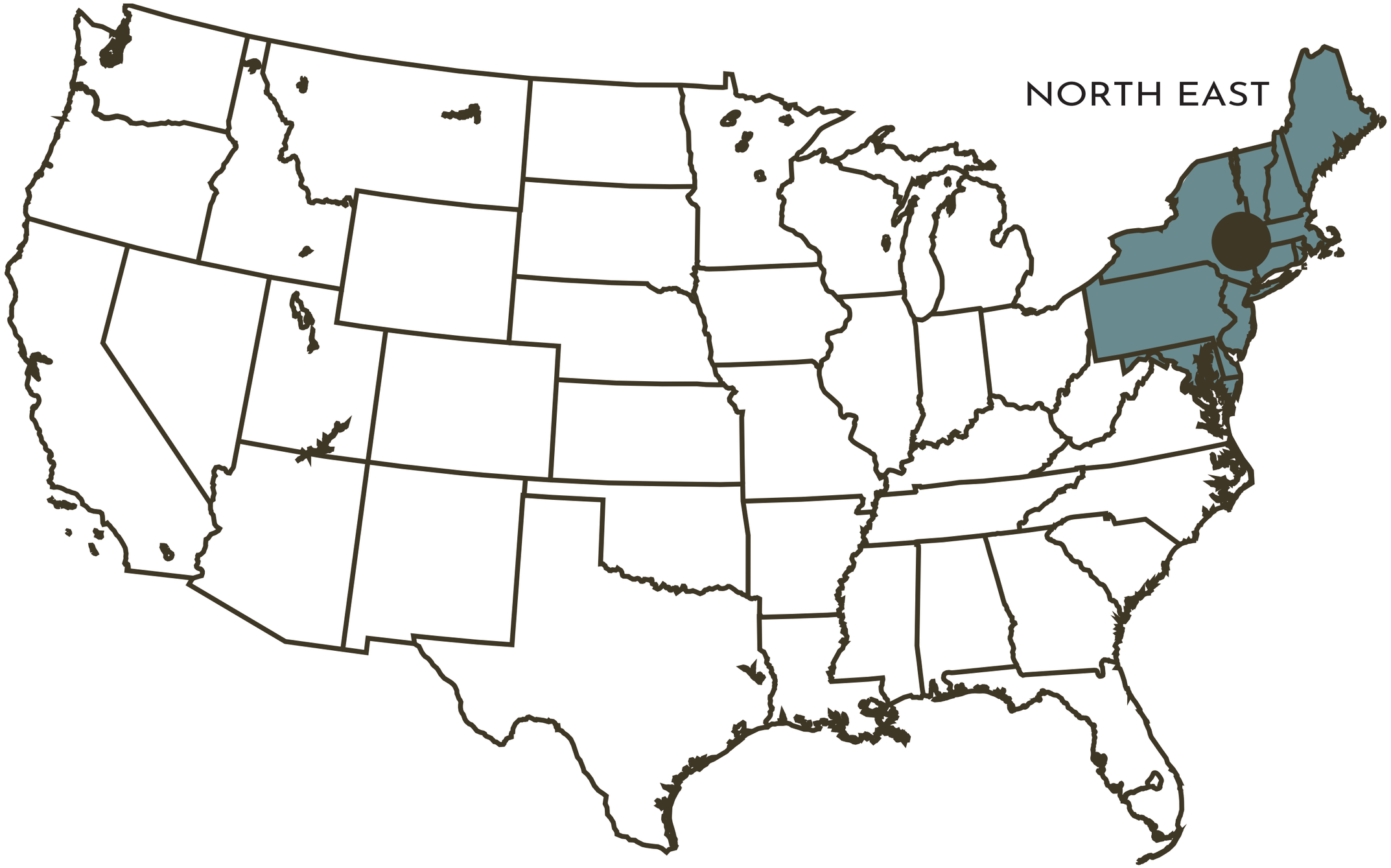
COMMUNITY CONNECTIONS

PERSONAL GROWTH

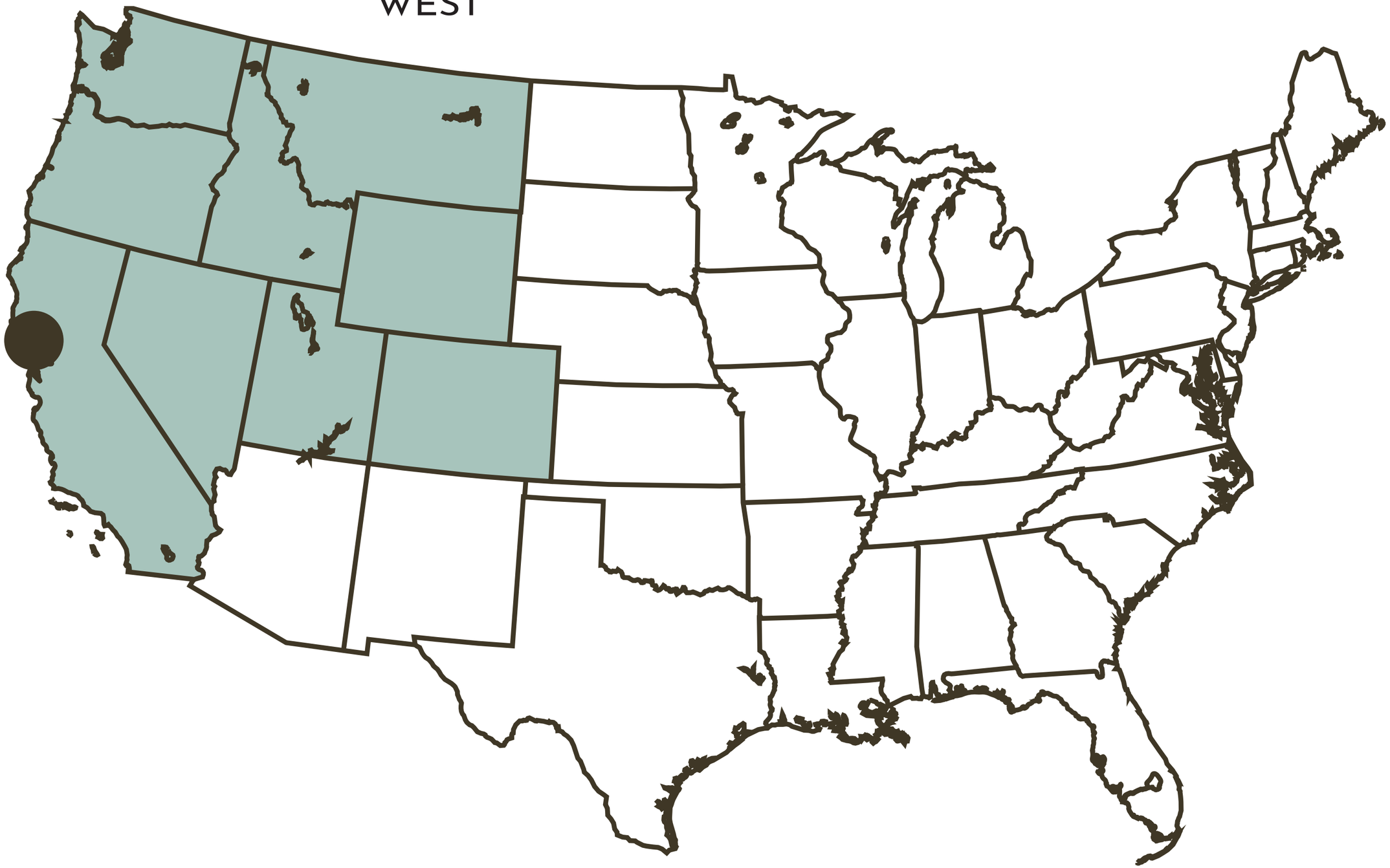
CULINARY SCHOOL

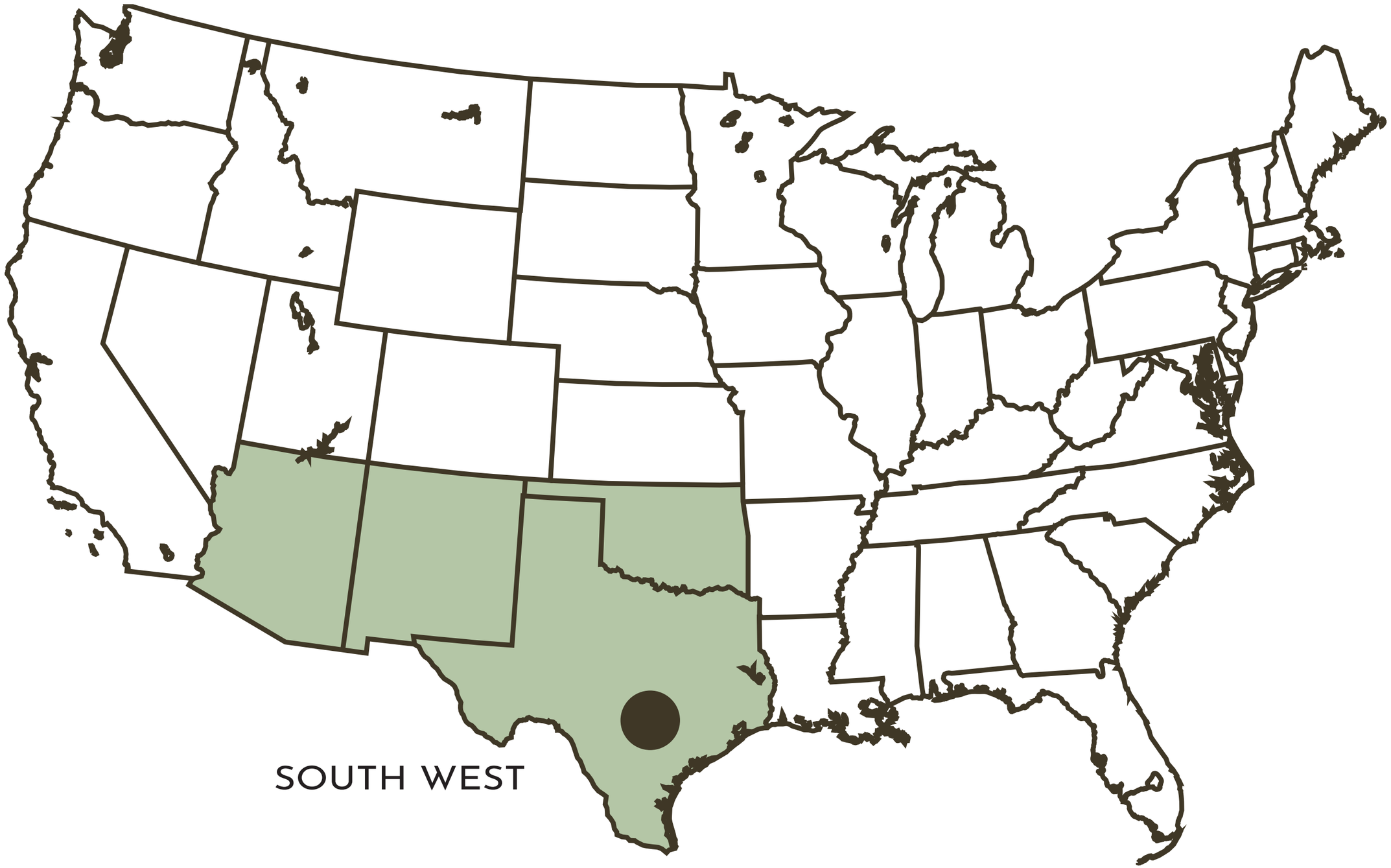
SITE SELECTION

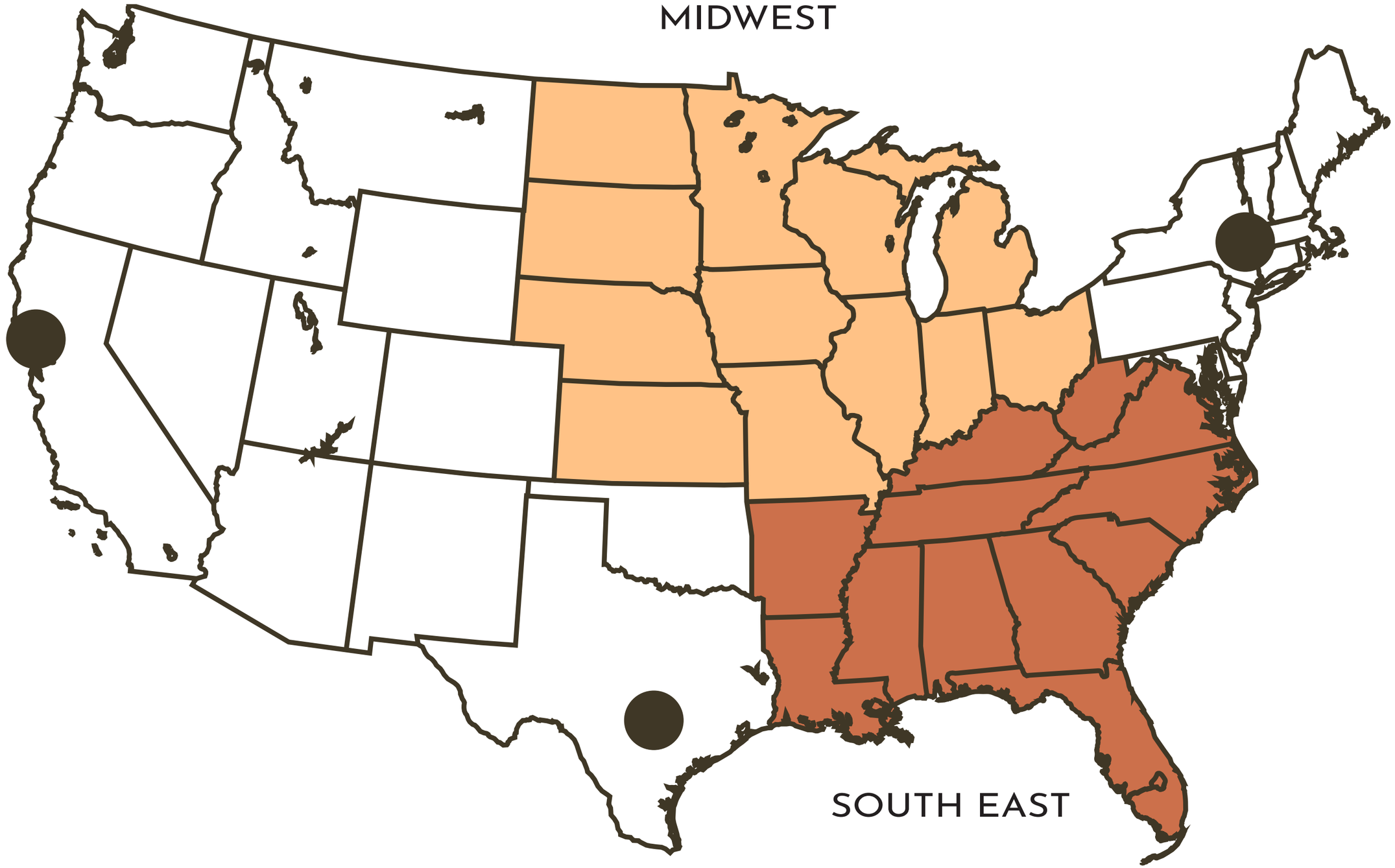


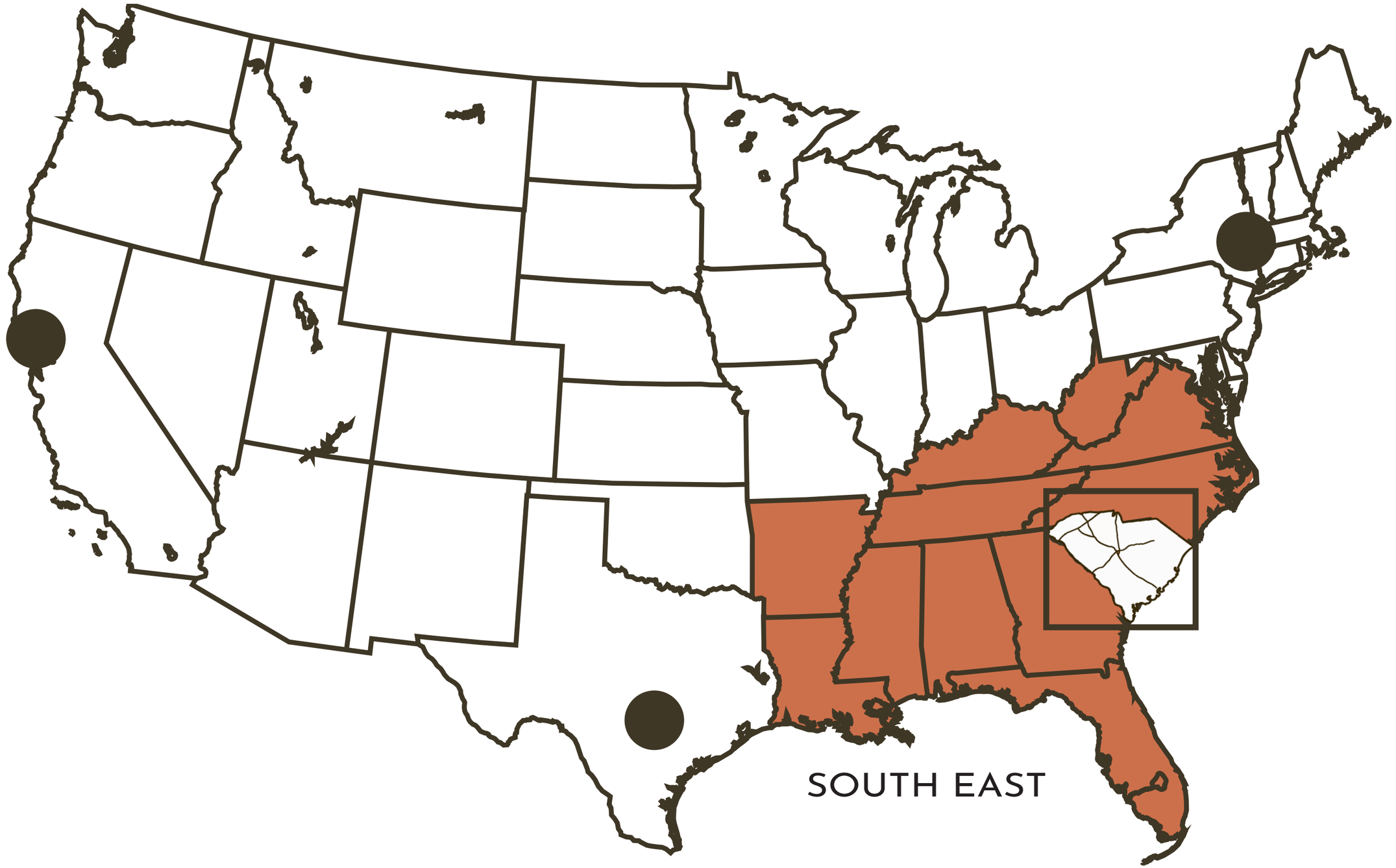

NORTH EAST

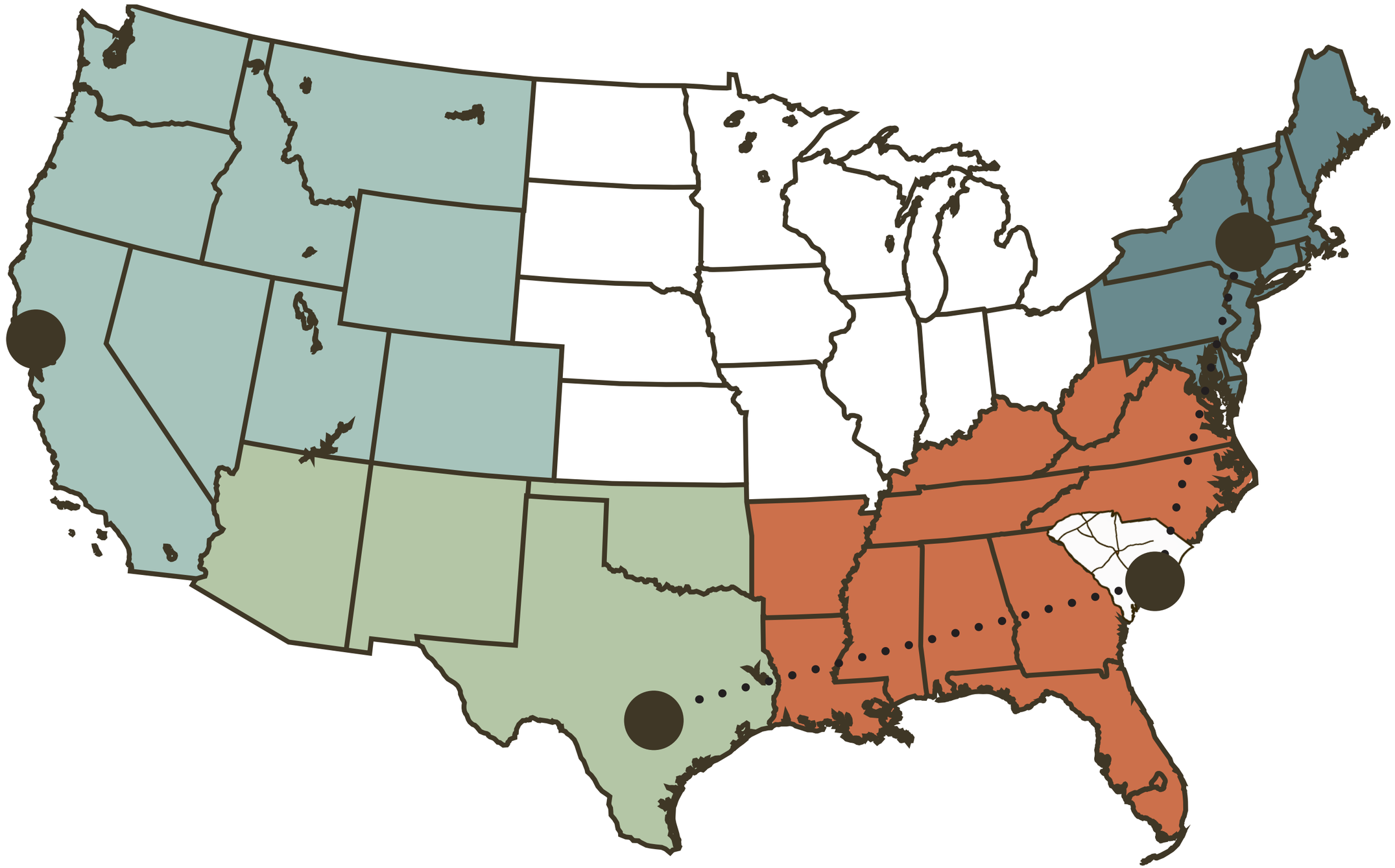
WEST




SOUTH WEST


MIDWEST
SOUTH EAST


SOUTH EAST



PROPOSED SITE
CHARLESTON SCHOOL OF LAW
THE CHARLESTON MUSEUM
INTERNATIONAL AFRICAN AMERICAN MUSEUM
COLLEGE OF CHARLESTON
HISTORIC CHARLESTON CITY MARKET
KING STREET
BROAD STREET
Septima Clark Pkwy
Rutledge Ave
Ashley Ave
Fishburne St
Cannon St
Bee St
Calhoun St
Lockwood Dr
Ashley River
Fielding Connector
E Bay St
Meeting St
King St
17
61
30

CAMPUS PROGRAM

The Lunch Box

Main Educational building promoting Cultural Integration and Personal Growth through the classroom

The Lunch Box

Main Educational building promoting Cultural Integration and Personal Growth through the classroom

Community Vertical Farm

Garden plots, cooking classes, and farmers market promoting community connections with the campus on a day to day basis.

The Lunch Box

Main Educational building promoting Cultural Integration and Personal Growth through the classroom

Community Vertical Farm

Garden plots, cooking classes, and farmers market promoting community connections with the campus on a day to day basis.

Plaza

Designed Plaza space for community and student interaction across the site.

The Lunch Box

Main Educational building promoting Cultural Integration and Personal Growth through the classroom

Community Vertical Farm

Garden plots, cooking classes, and farmers market promoting community connections with the campus on a day to day basis.

Plaza

Designed Plaza space for community and student interaction across the site.

Bakery

Student run and opened to the public promoting community connections and personal growth.

The Lunch Box

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Garden plots, cooking classes, and farmers market promoting community connections with the campus on a day to day basis.

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Student run and opened to the public promoting community connections and personal growth.

Restaurant

Student run and opened to the public promoting community connection, cultural integration, and personal growth.

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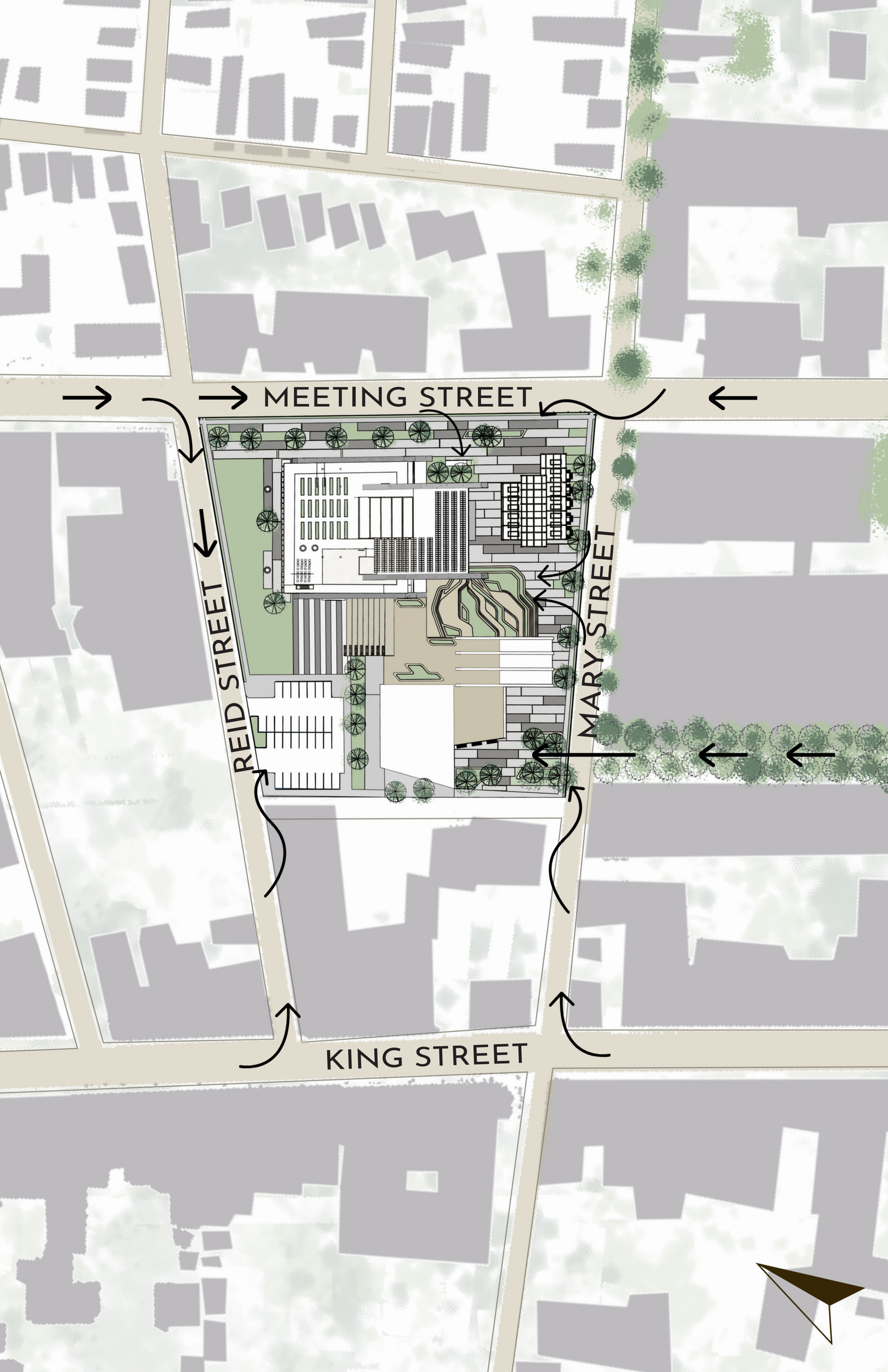
Student run and opened to the public promoting community connections and personal growth.

Restaurant

Student run and opened to the public promoting community connection, cultural integration, and personal growth.

Events Center

Student run and opened to the public promoting community connections and personal growth.


MEETING STREET
REID STREET
MARY STREET
KING STREET

USERS

USERS

STUDENTS

USERS

STUDENTS

CHEFS / PROFESSORS

USERS

STUDENTS

CHEFS / PROFESSORS

EDUCATION STAFF

USERS

STUDENTS

CHEFS / PROFESSORS

EDUCATION STAFF

COMMUNITY

USERS

STUDENTS

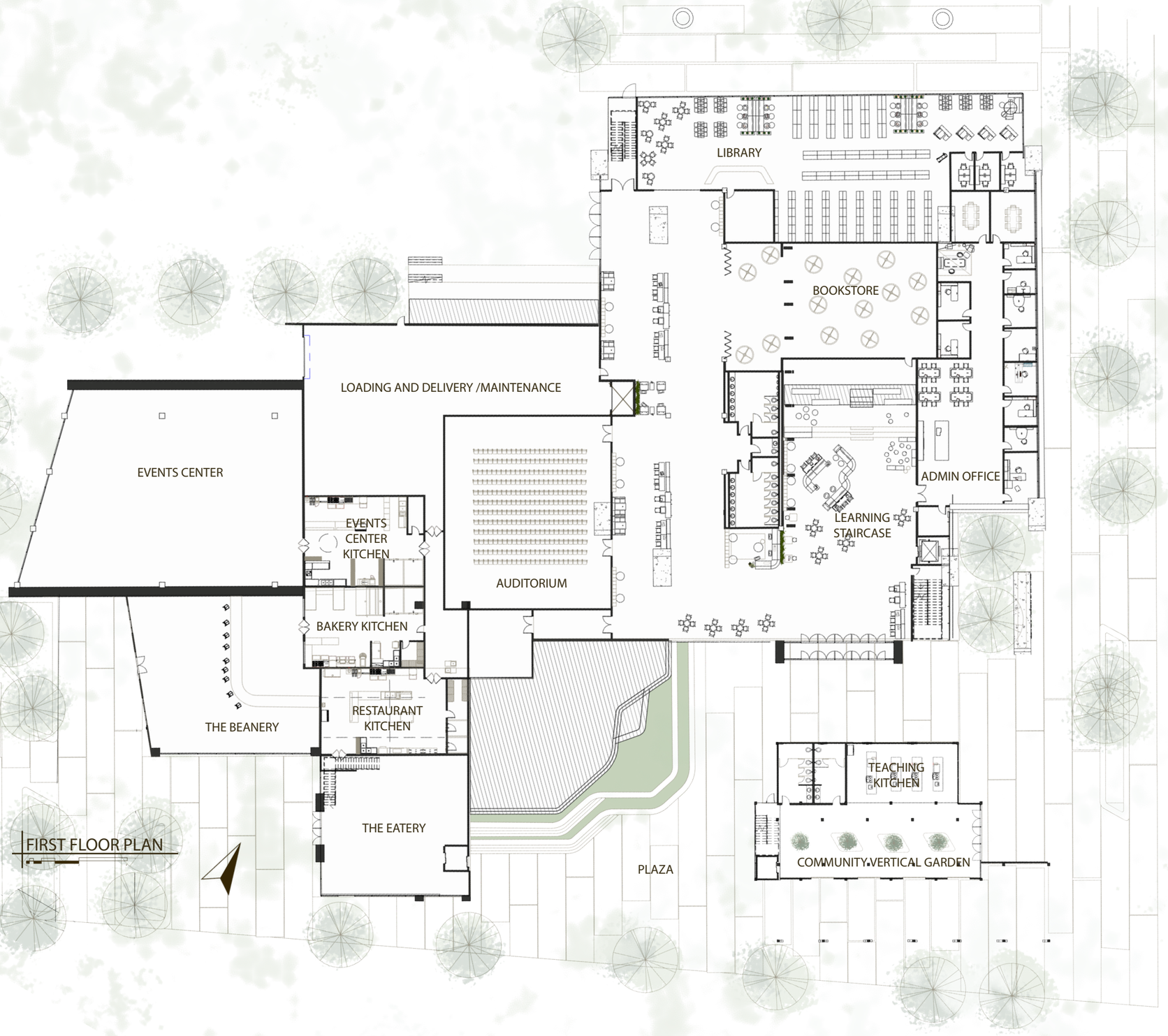
CHEFS / PROFESSORS

EDUCATION STAFF

COMMUNITY

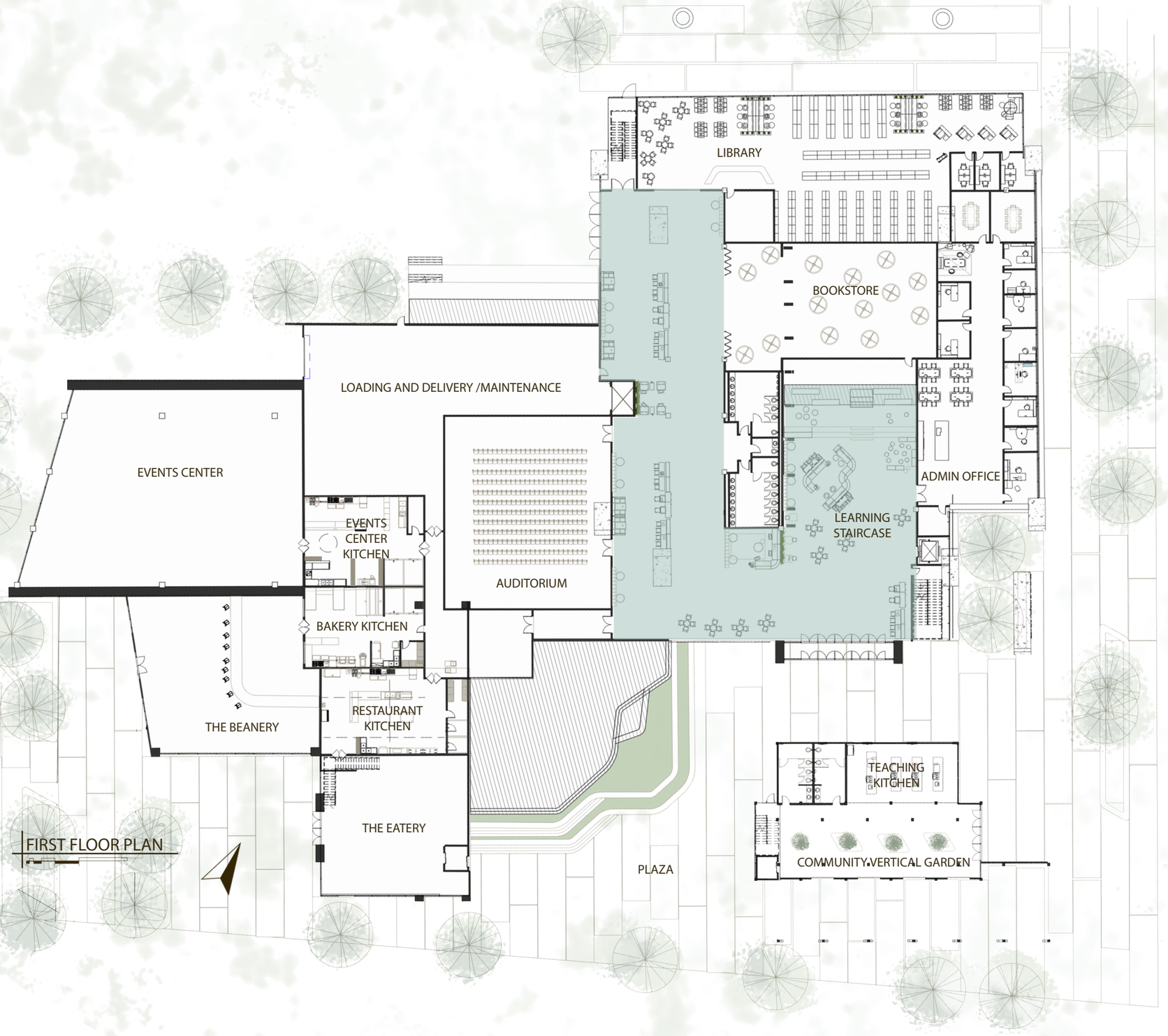
TOURISTS

FIRST FLOOR PLAN



PROGRAMMING

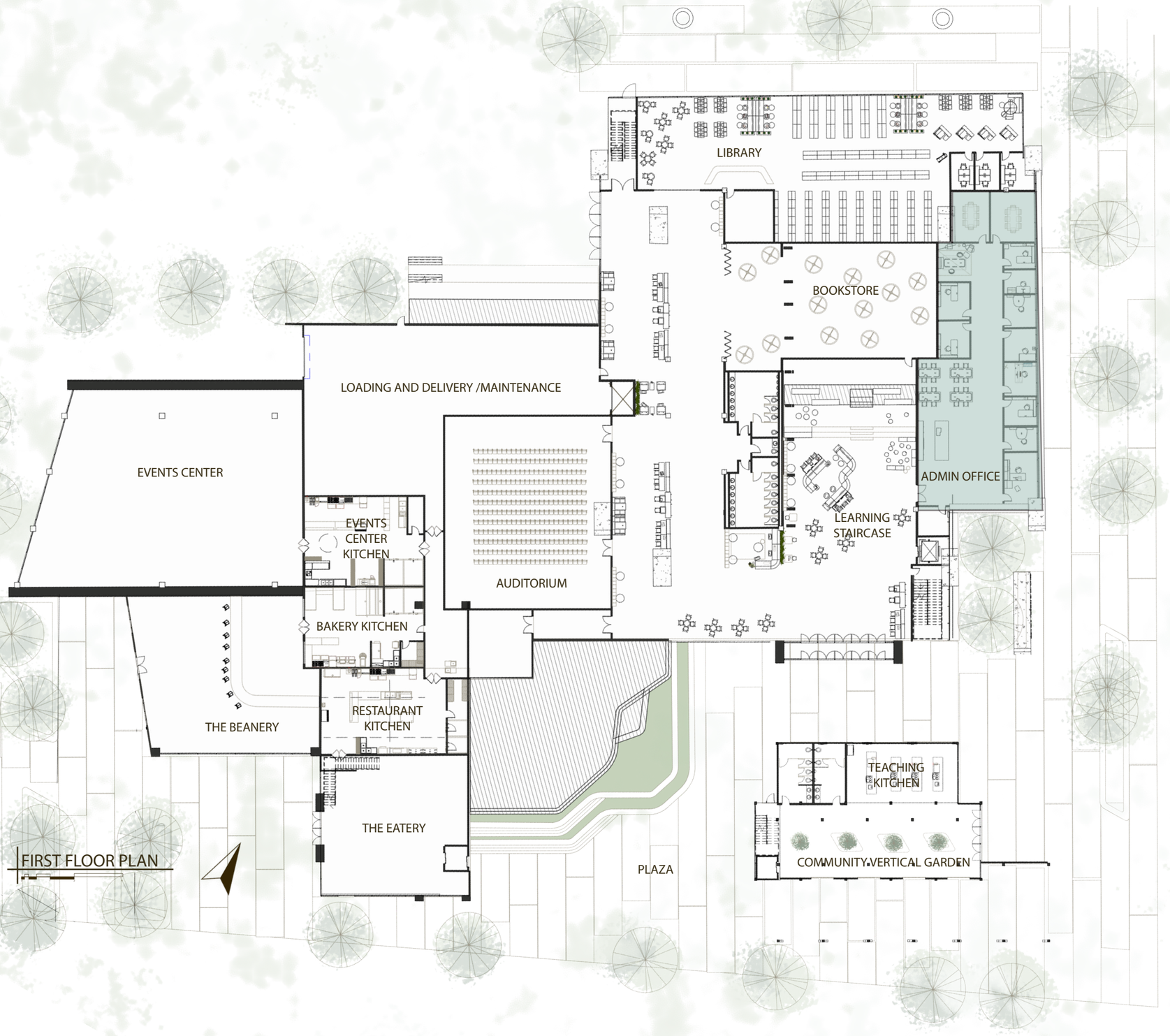
Collaboration Spaces



PROGRAMMING

Collaboration Spaces

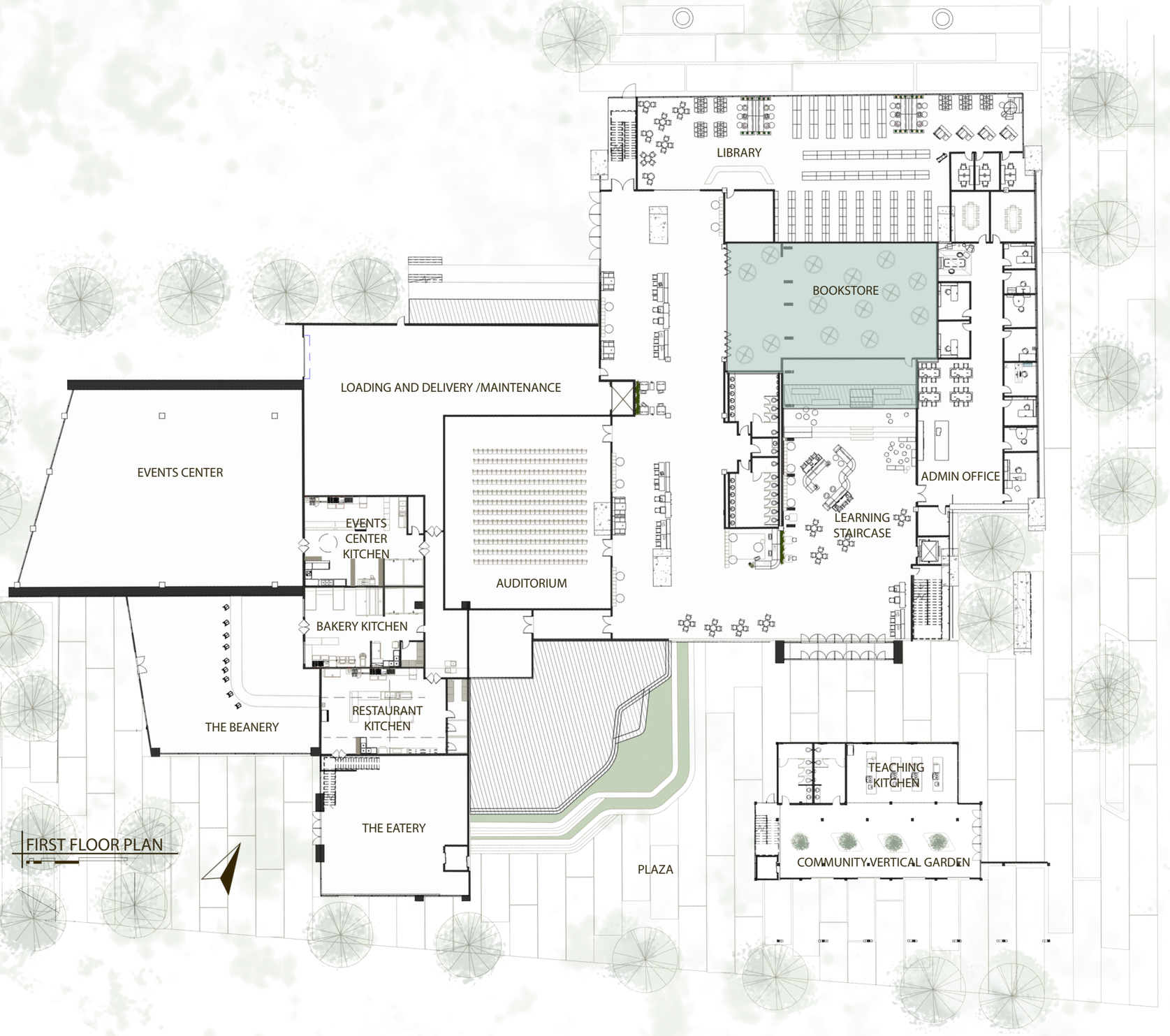
Administration



FIRST FLOOR PLAN

PROGRAMMING

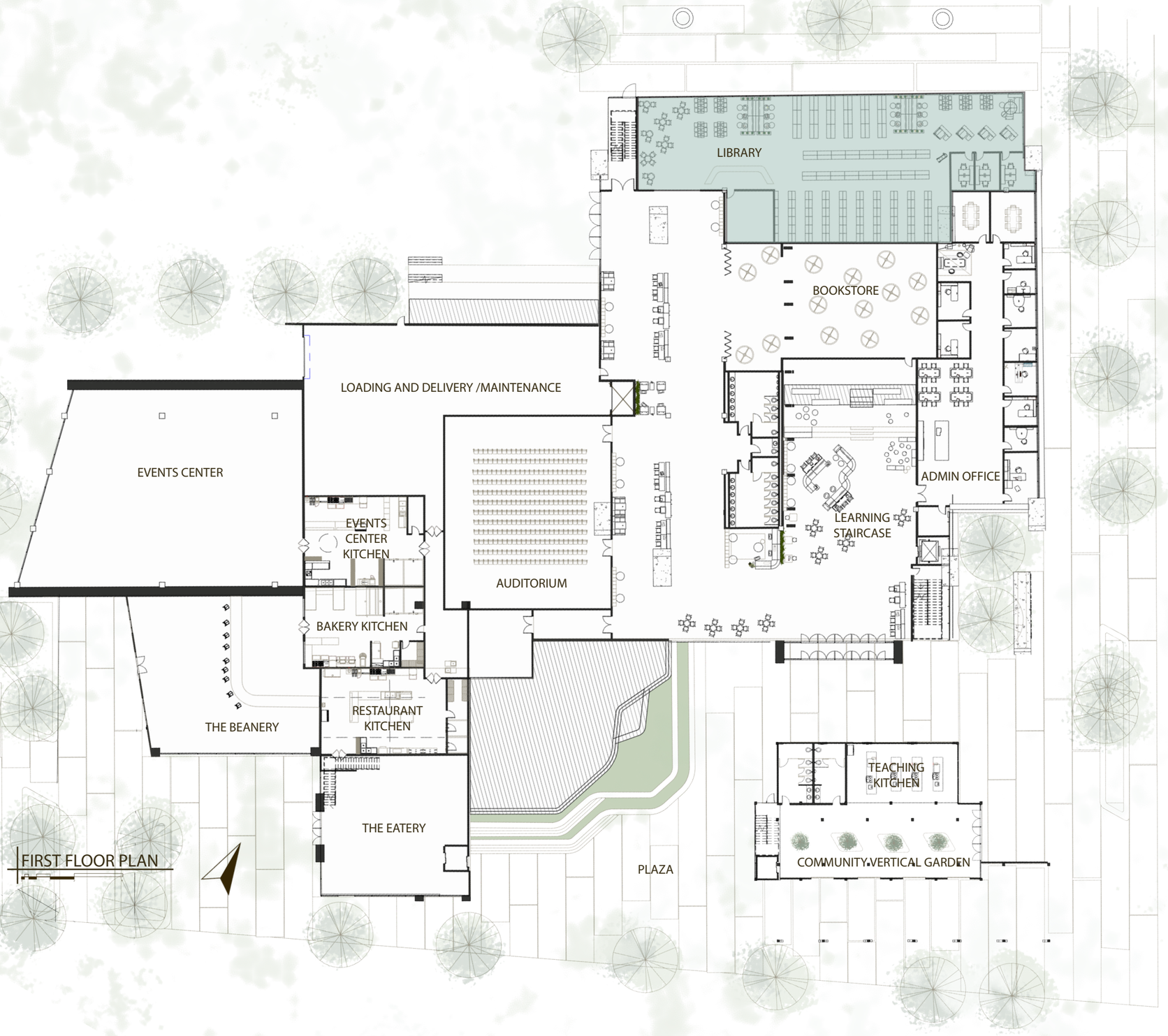
- Collaboration Spaces
- Administration
- Bookstore



FIRST FLOOR PLAN

PROGRAMMING

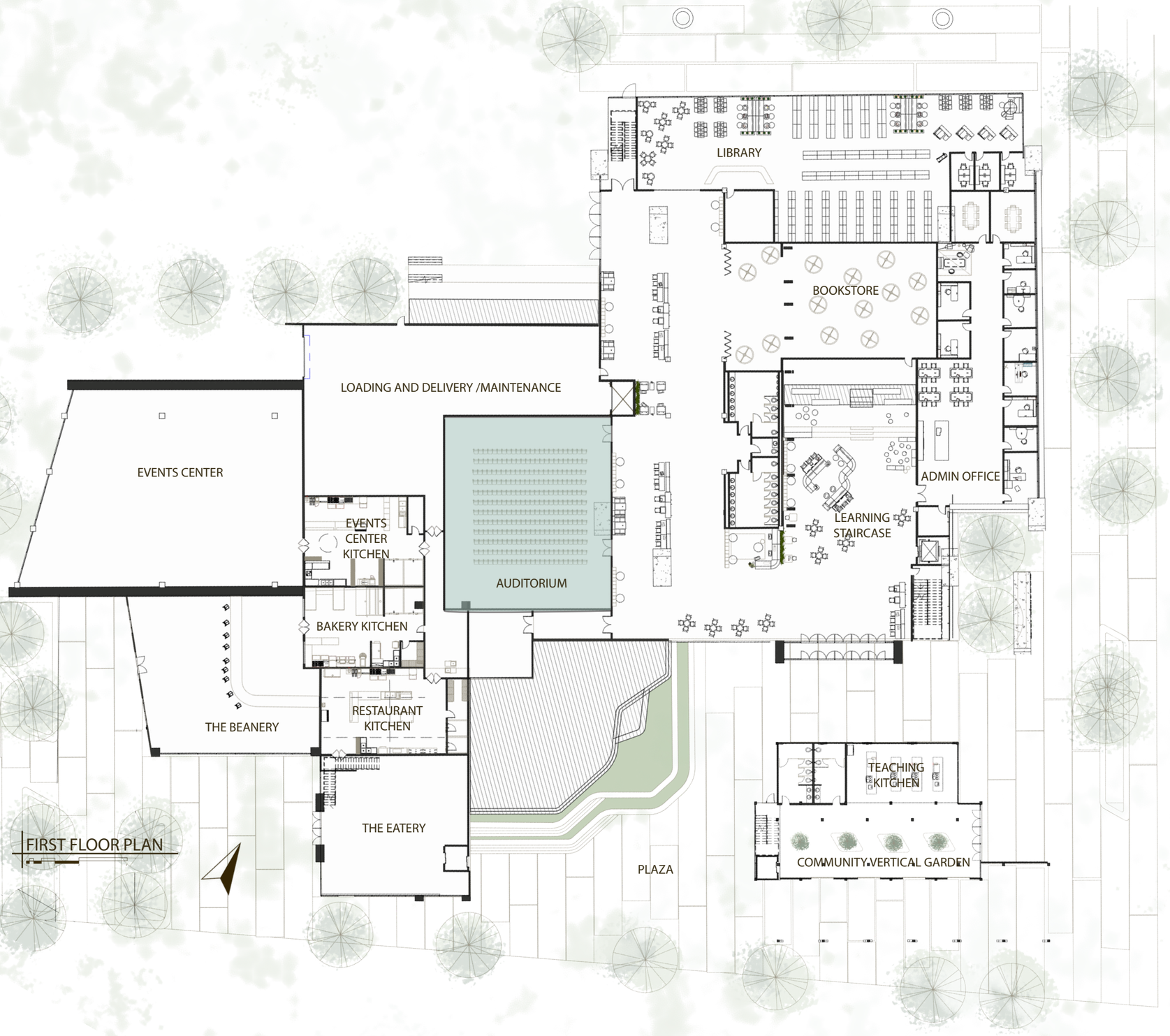
- Collaboration Spaces
- Administration
- Bookstore
- Library



FIRST FLOOR PLAN

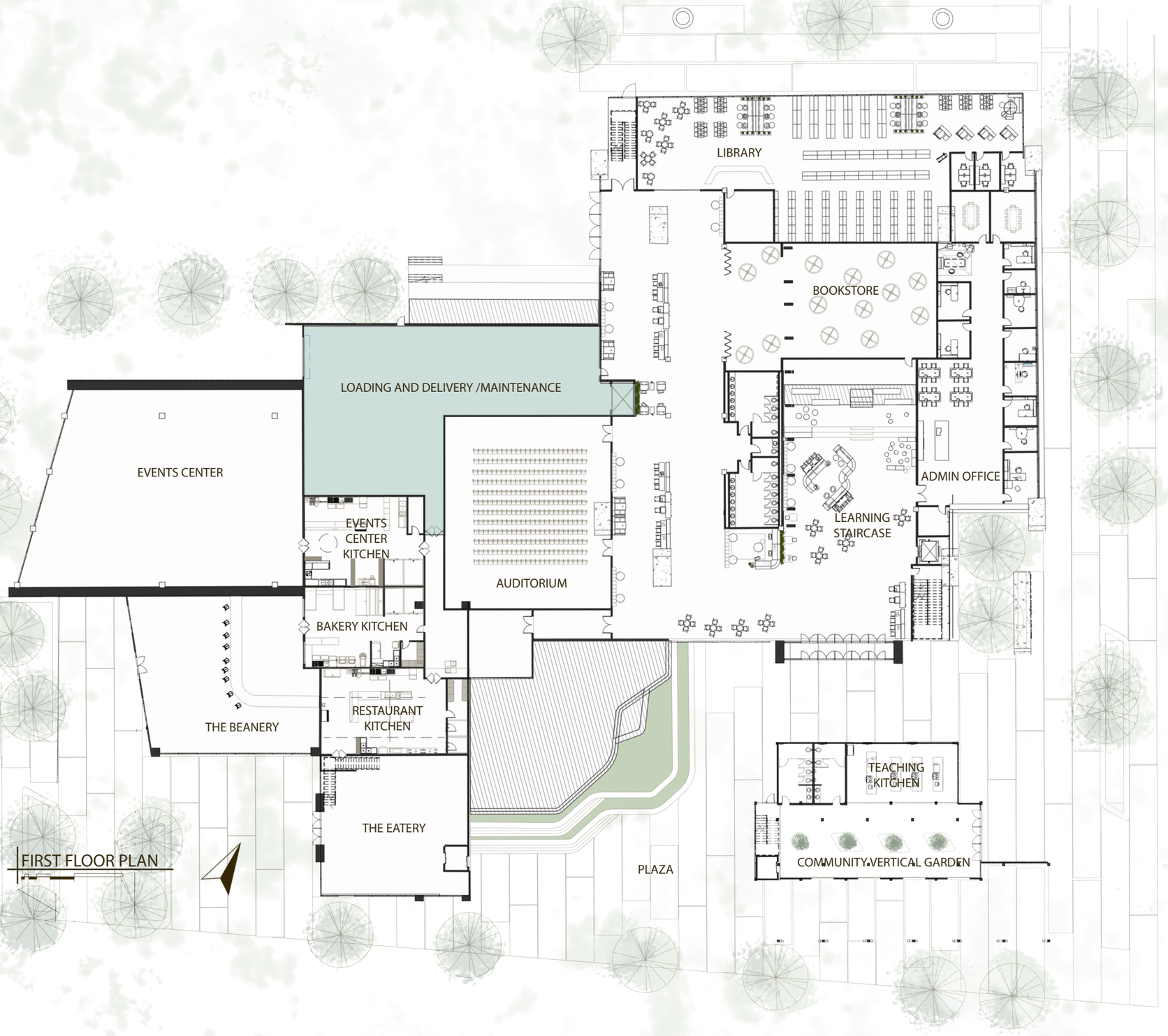
PROGRAMMING

- Collaboration Spaces
- Administration
- Bookstore
- Library
- Demonstration Auditorium



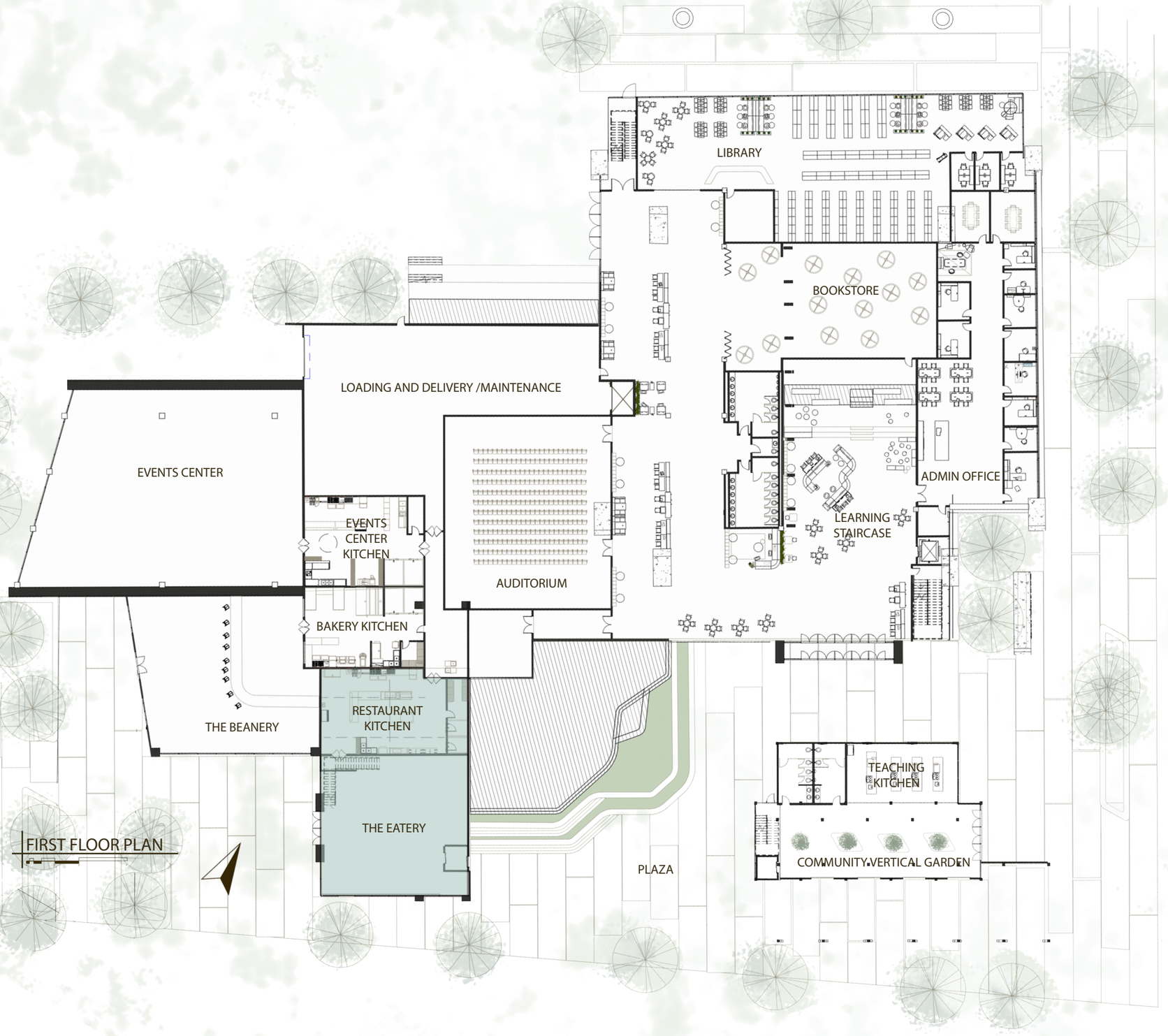
PROGRAMMING

- Collaboration Spaces
- Administration
- Bookstore
- Library
- Demonstration Auditorium
- Back of House



PROGRAMMING

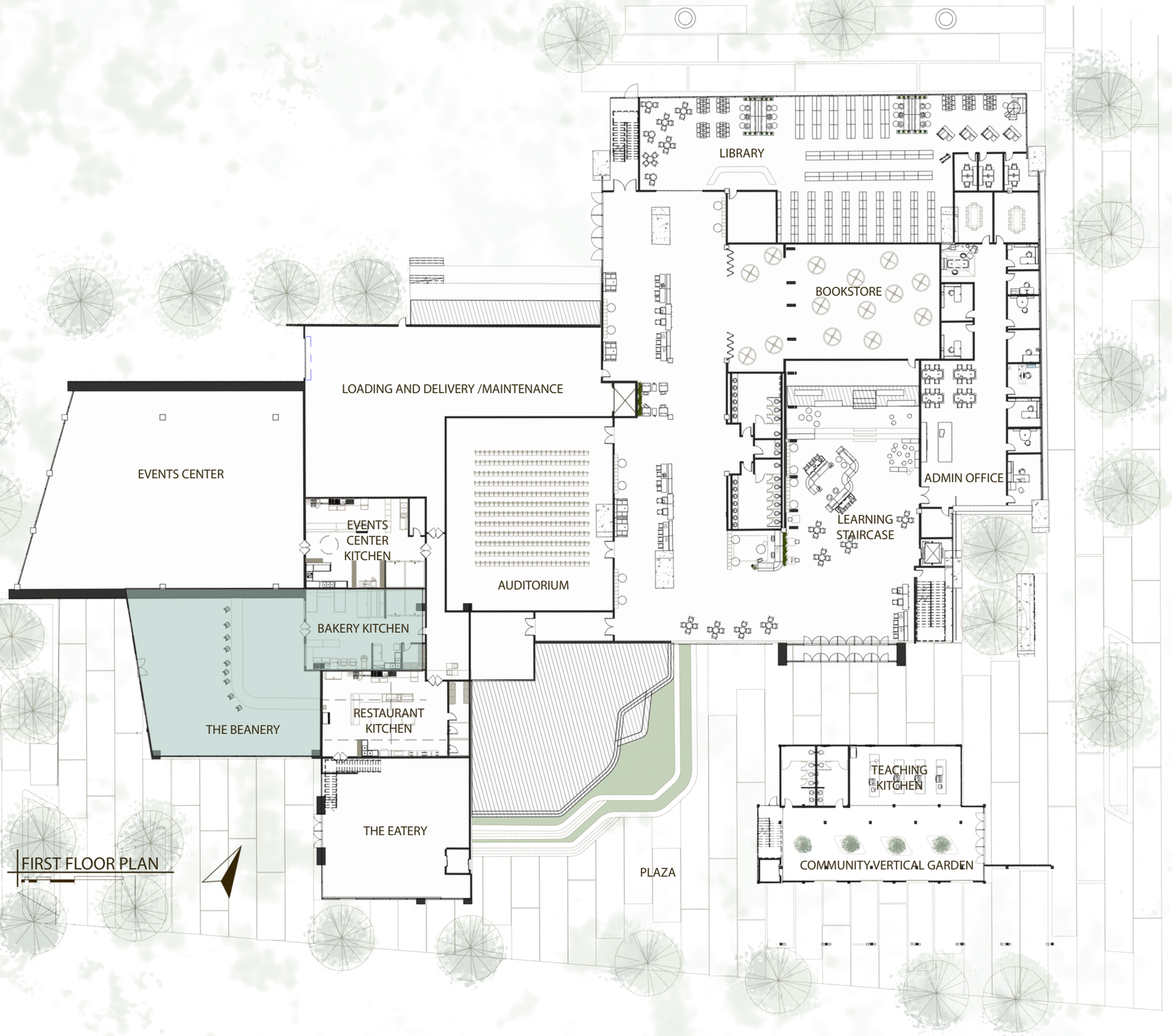
- Collaboration Spaces
- Administration
- Bookstore
- Library
- Demonstration Auditorium
- Back of House
- The Eatery



FIRST FLOOR PLAN

PROGRAMMING

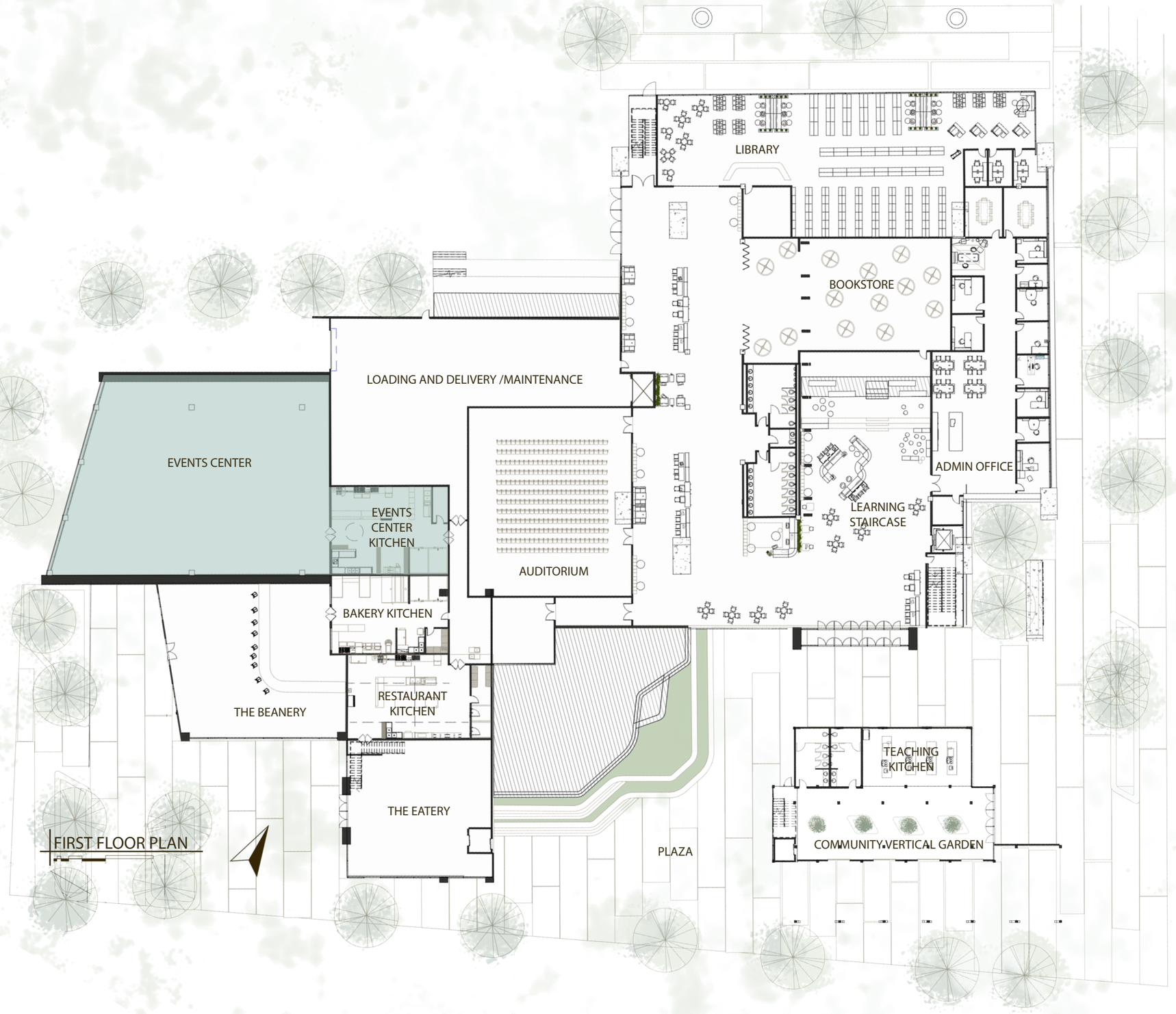
- Collaboration Spaces
- Administration
- Bookstore
- Library
- Demonstration Auditorium
- Back of House
- The Eatery
- The Beanery



THE EATERY

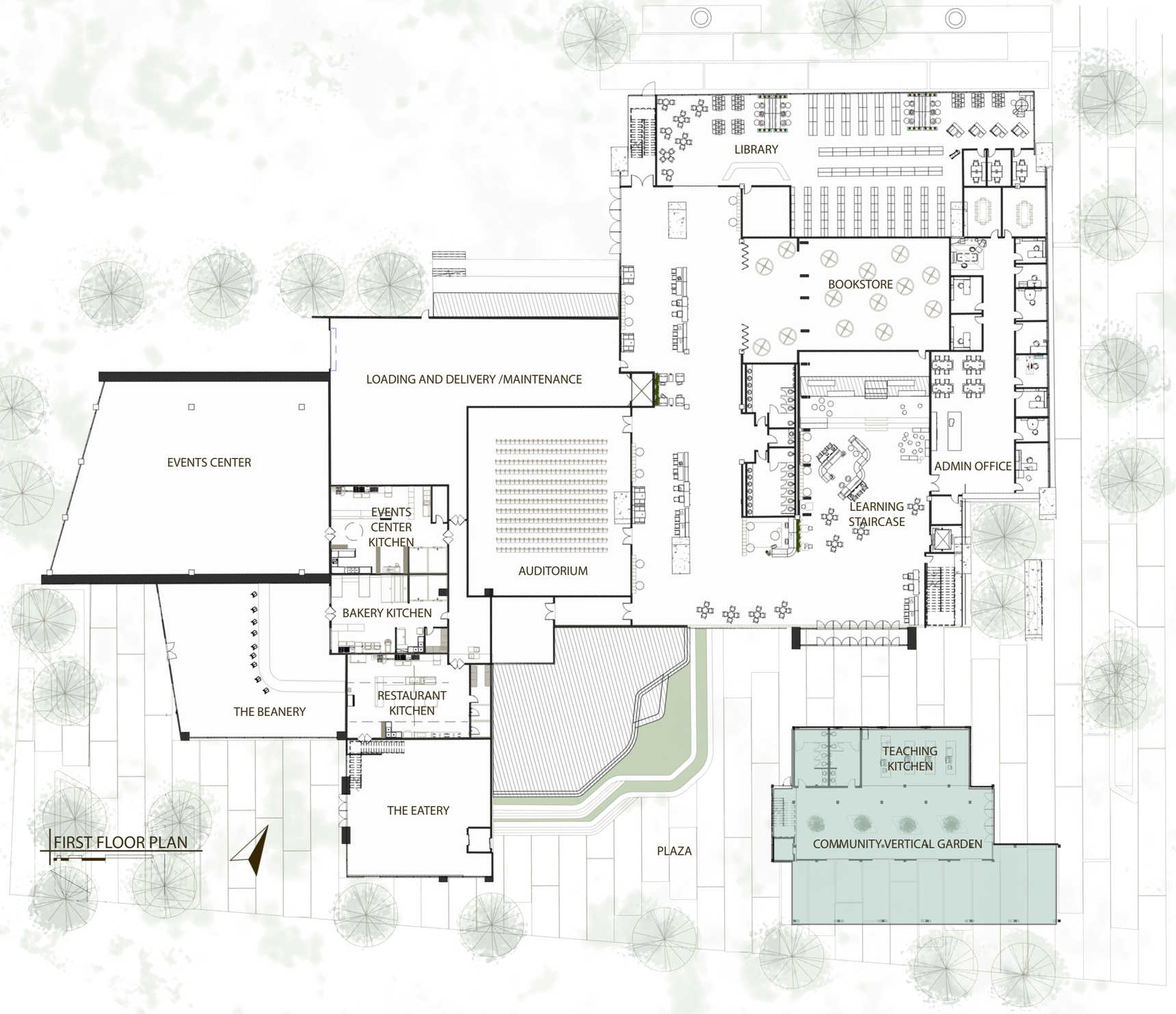
PROGRAMMING

- Collaboration Spaces
- Administration
- Bookstore
- Library
- Demonstration Auditorium
- Back of House
- The Eatery
- The Beanery
- Event Center



PROGRAMMING

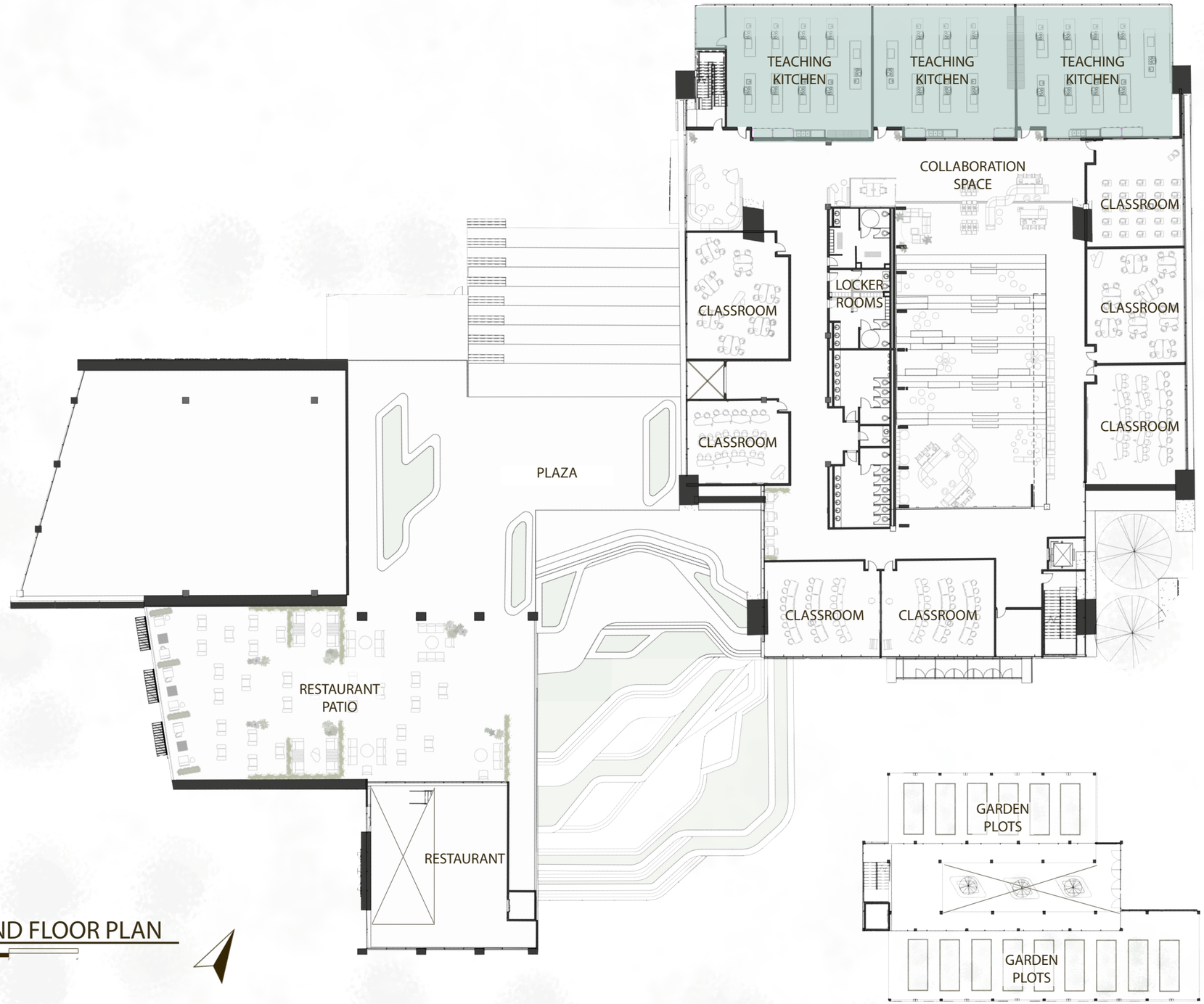
- Collaboration Spaces
- Administration
- Bookstore
- Library
- Demonstration Auditorium
- Back of House
- The Eatery
- The Beanery
- Event Center
- Community Vertical Garden



SECOND FLOOR PLAN

PROGRAMMING

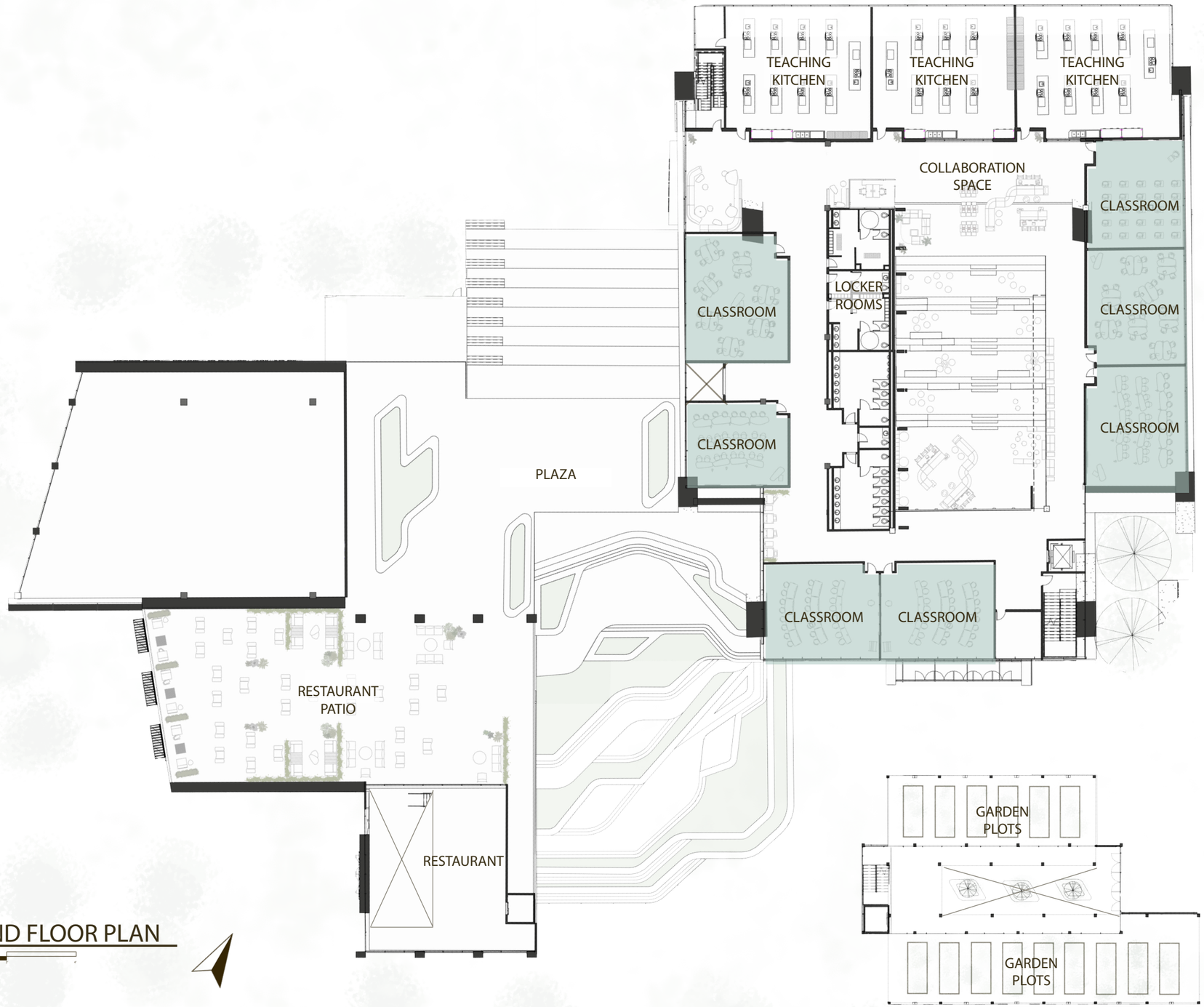
Teaching Kitchen



SECOND FLOOR PLAN

PROGRAMMING

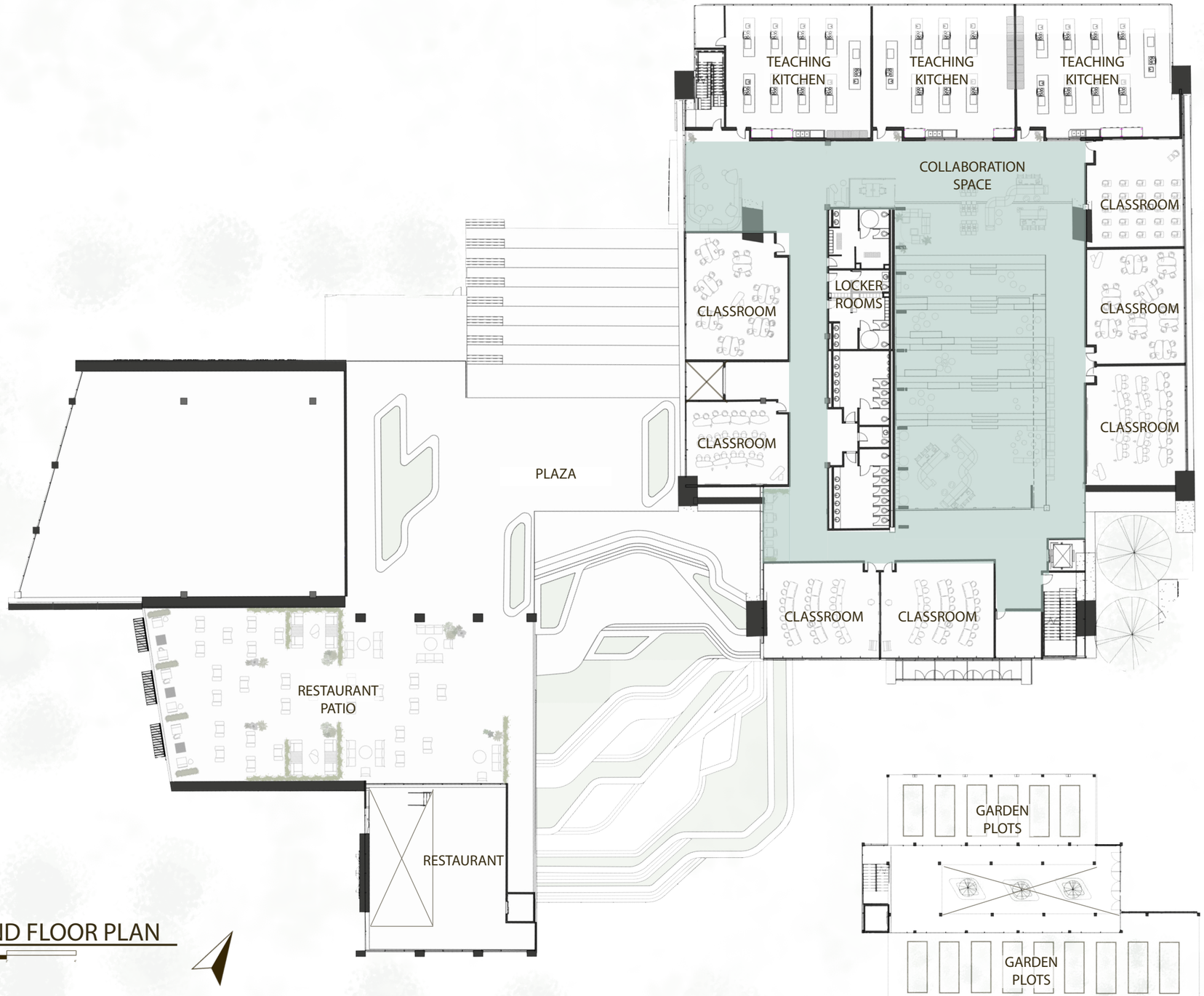
- Teaching Kitchen
- Educational Spaces



SECOND FLOOR PLAN

PROGRAMMING

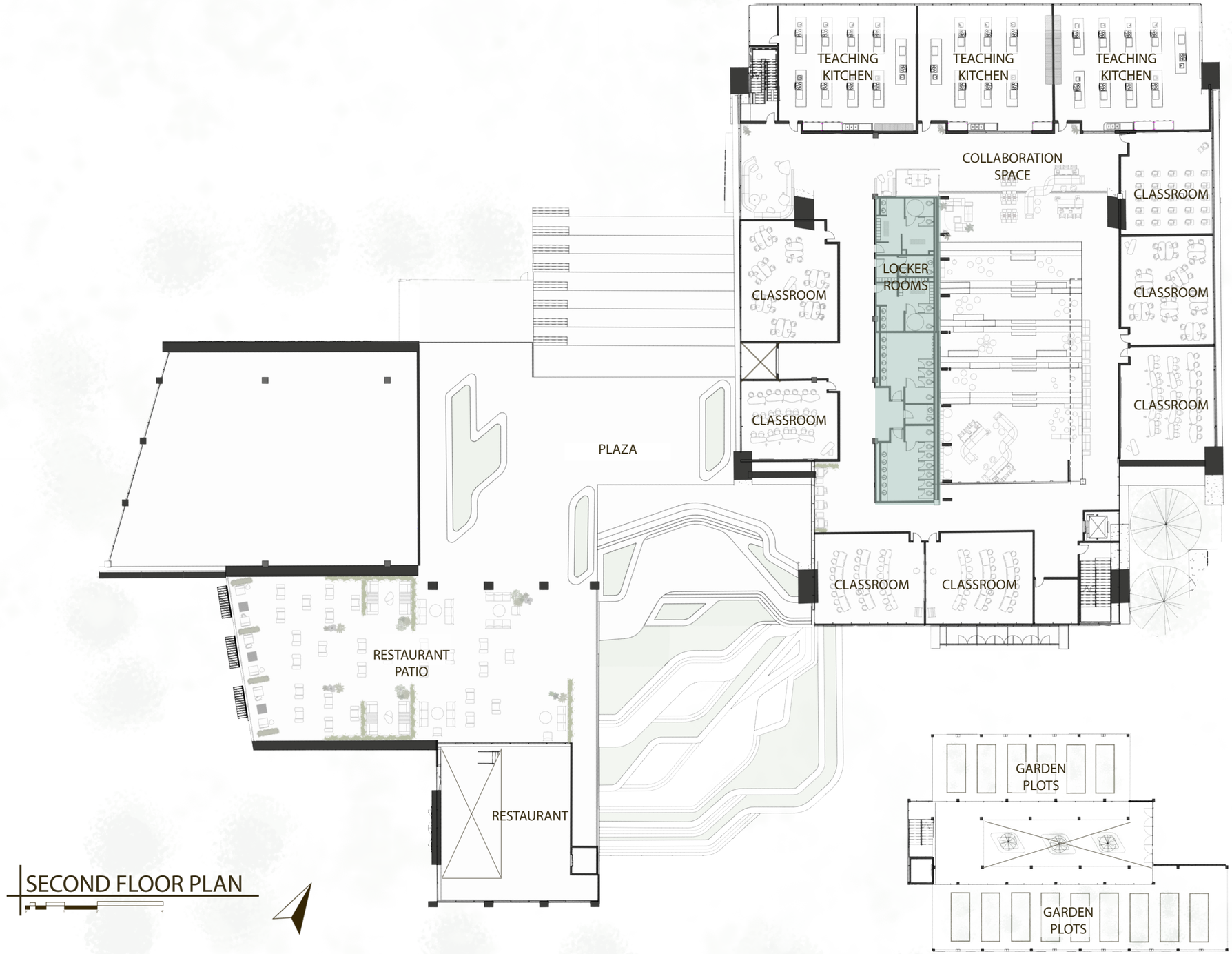
- Teaching Kitchen
- Educational Spaces
- Collaboration Spaces



SECOND FLOOR PLAN

PROGRAMMING

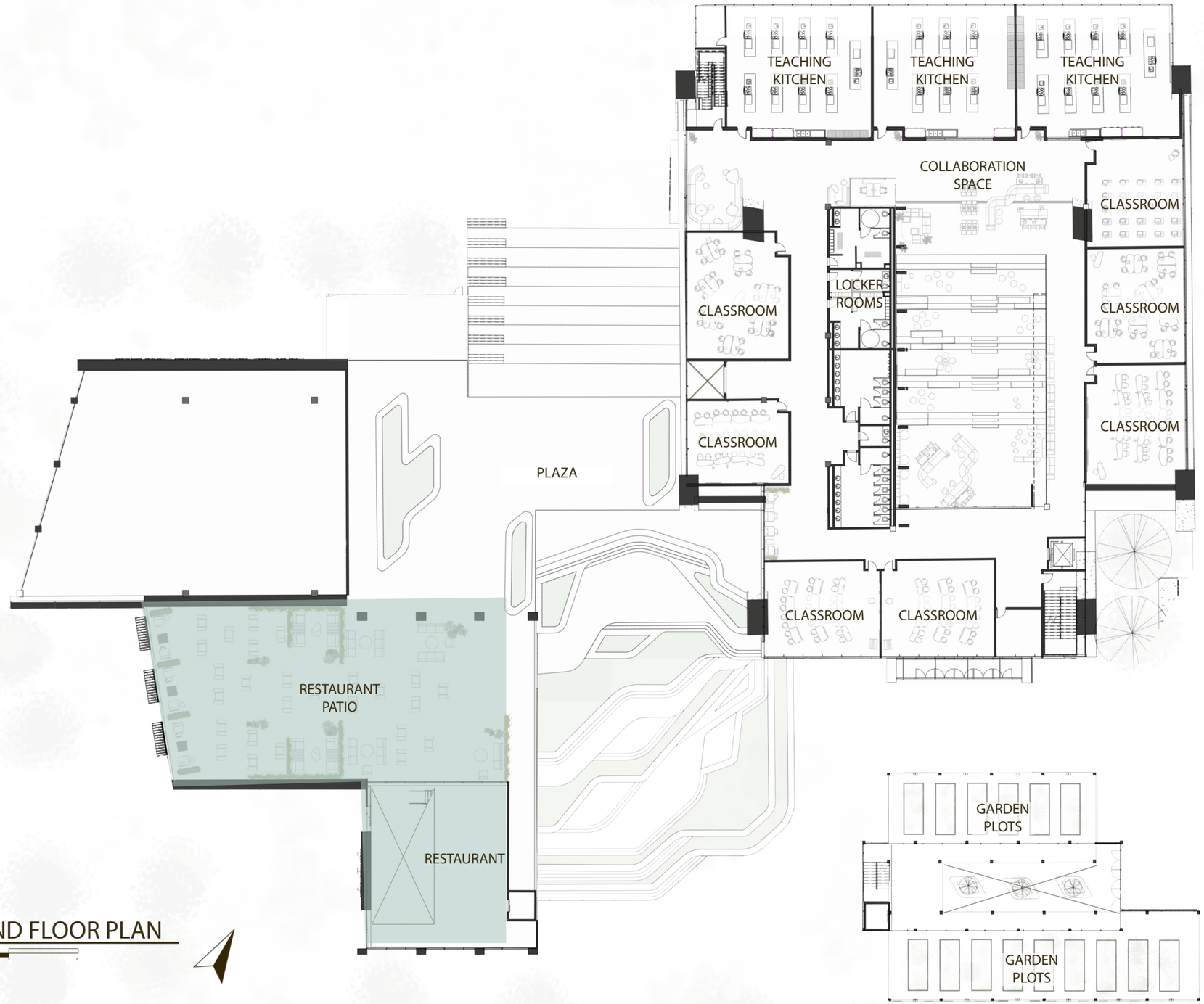
- Teaching Kitchen
- Educational Spaces
- Collaboration Spaces
- Locker Rooms / Restrooms



SECOND FLOOR PLAN

PROGRAMMING

- Teaching Kitchen
- Educational Spaces
- Collaboration Spaces
- Locker Rooms / Restrooms
- Restaurant

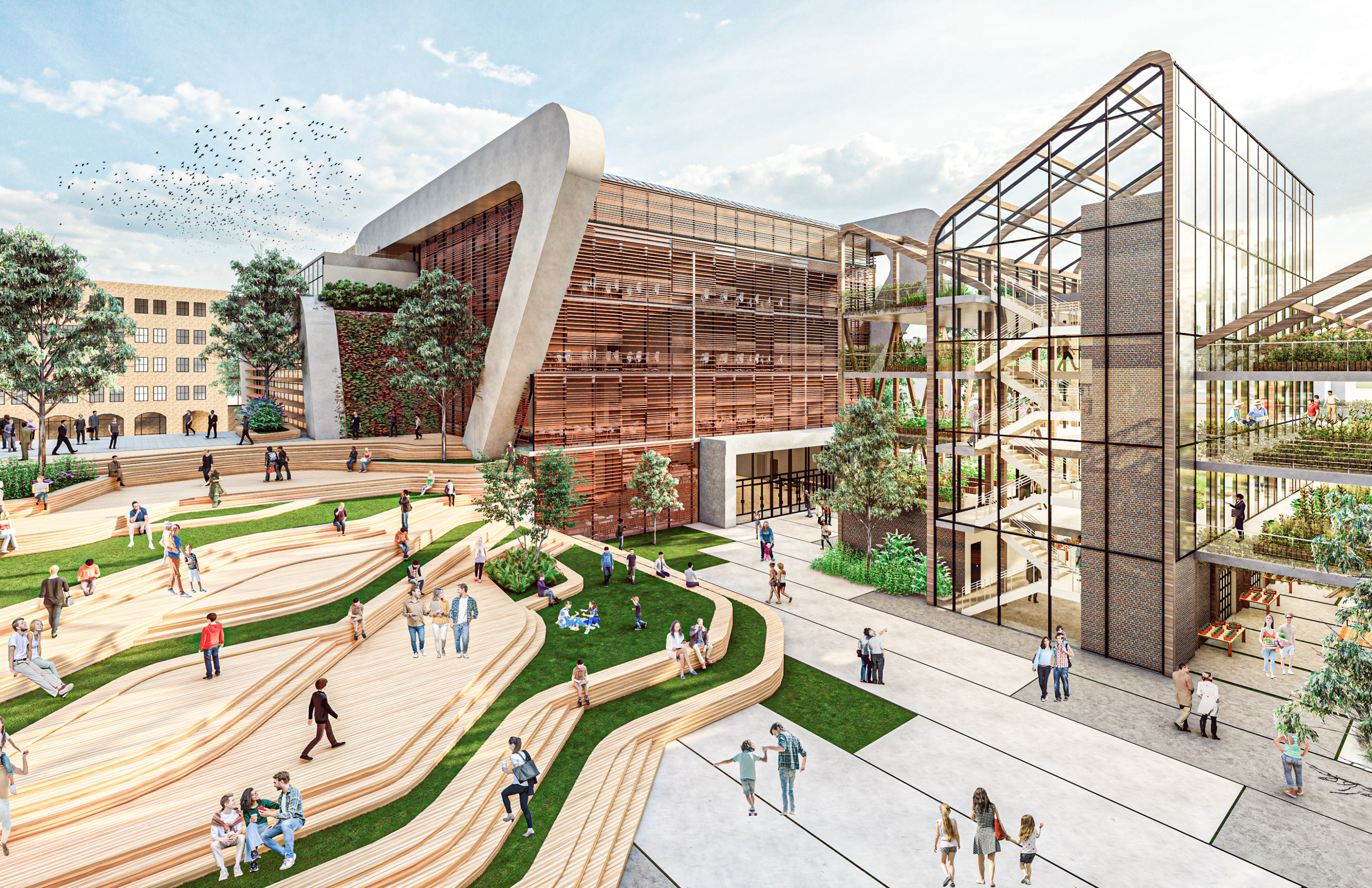


SECOND FLOOR PLAN

PROGRAMMING

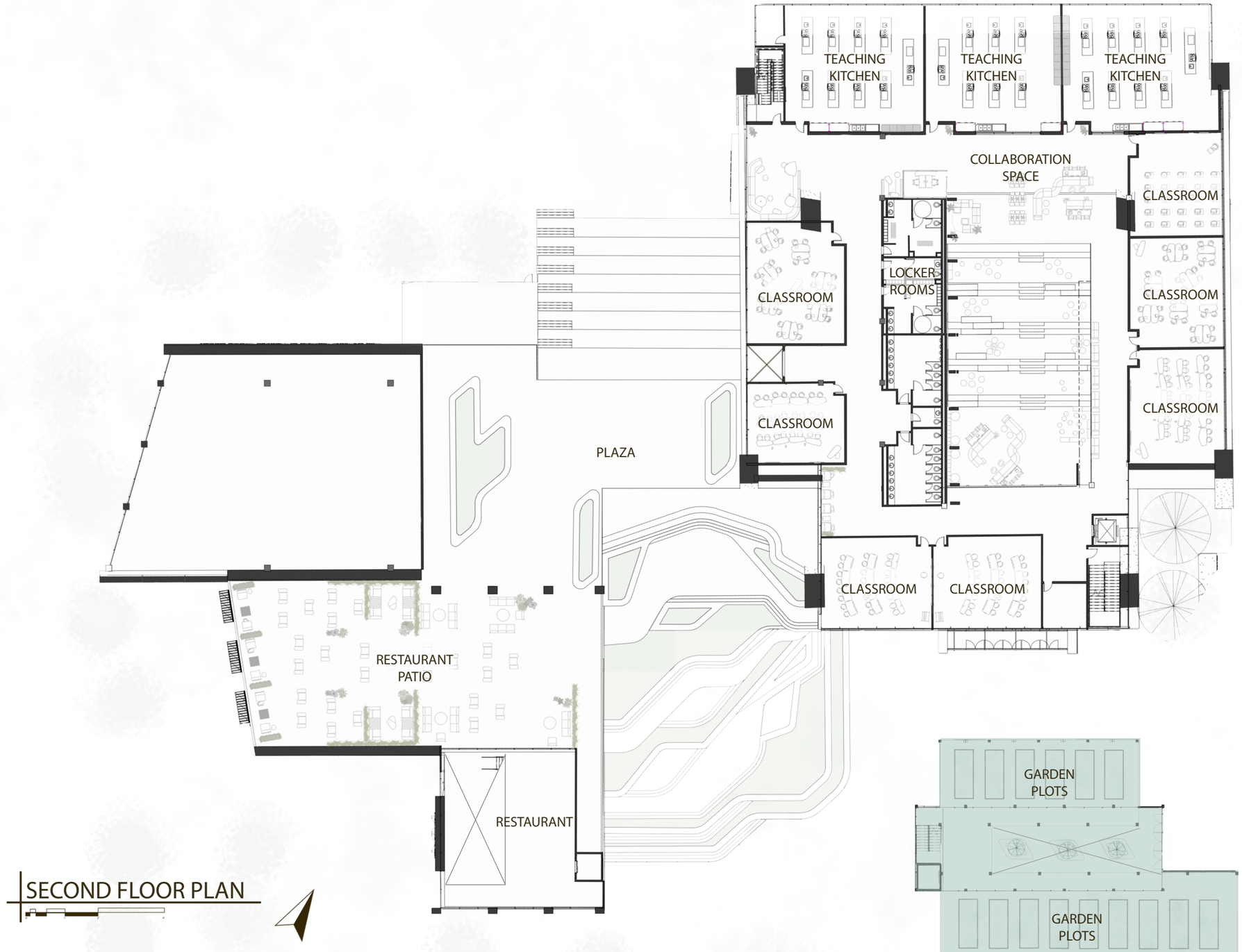
- Teaching Kitchen
- Educational Spaces
- Collaboration Spaces
- Locker Rooms / Restrooms
- Restaurant
- Plaza

SECOND FLOOR PLAN



PROGRAMMING

- Teaching Kitchen
- Educational Spaces
- Collaboration Spaces
- Locker Rooms / Restrooms
- Restaurant
- Plaza
- Community Vertical Garden

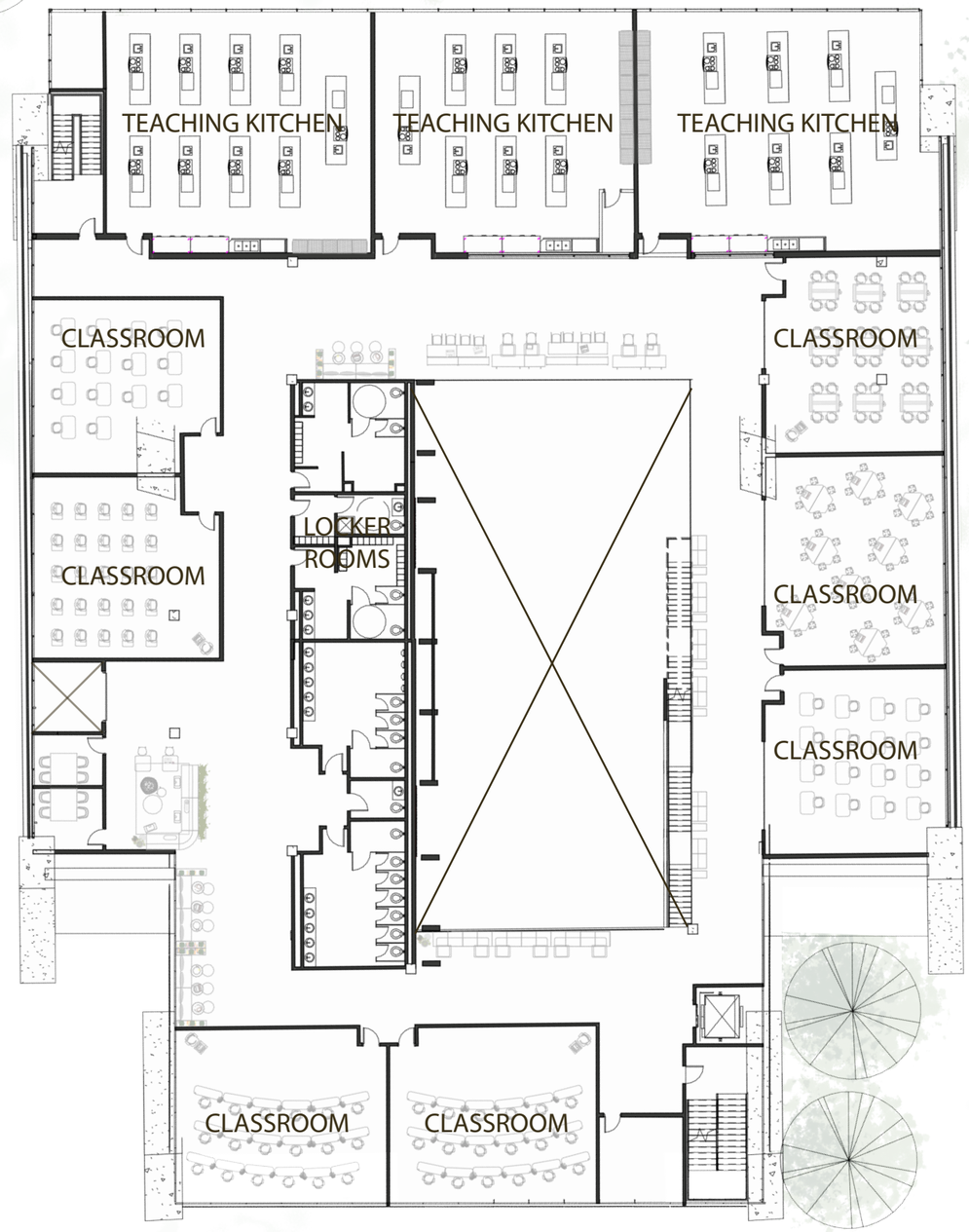


SECOND FLOOR PLAN

THIRD FLOOR PLAN

PROGRAMMING

- Teaching Kitchen
- Atrium
- Educational Spaces
- Collaboration Spaces
- Locker Rooms



THIRD FLOOR PLAN

FOURTH FLOOR PLAN

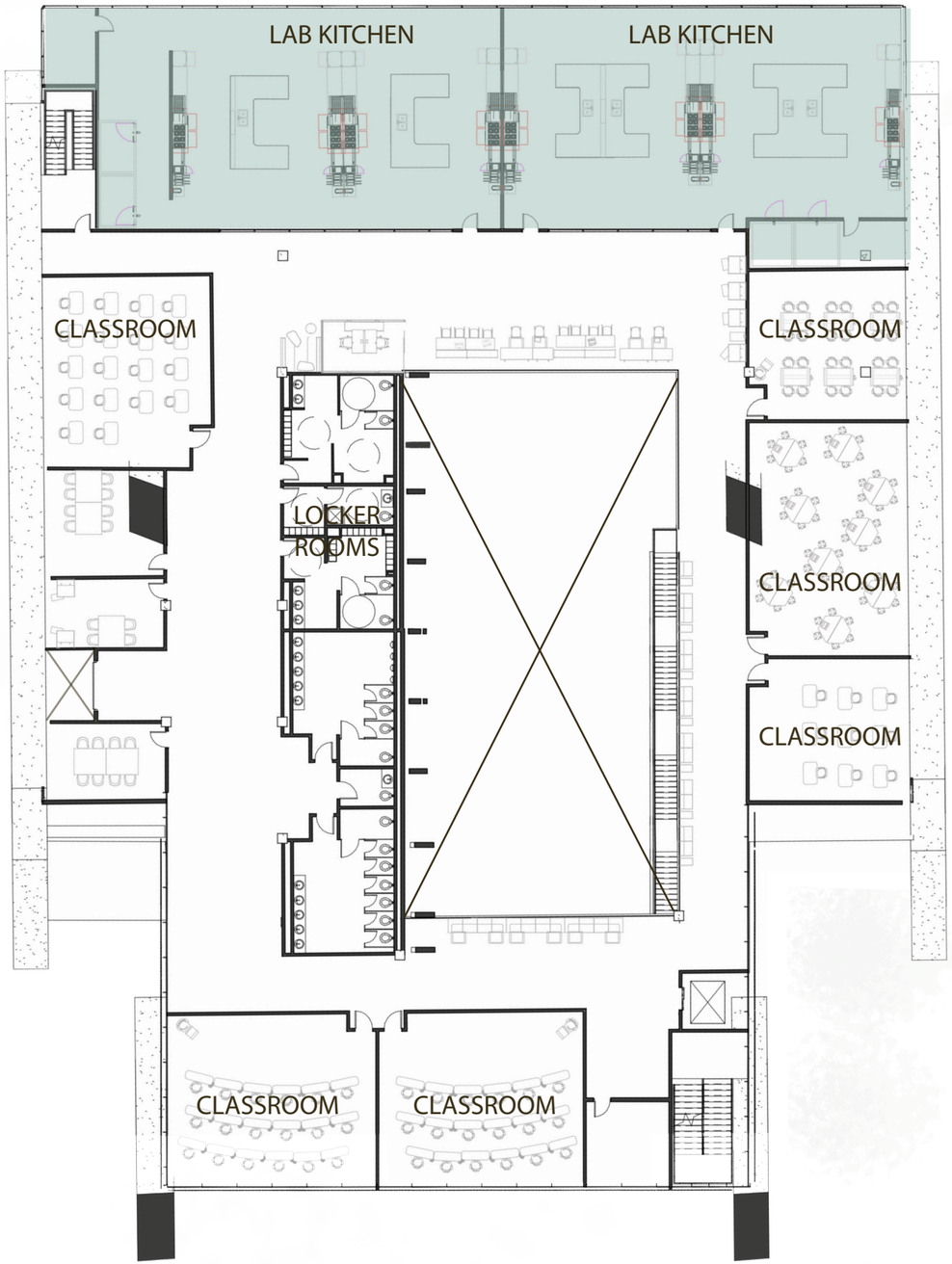
PROGRAMMING

- Lab Kitchen
- Atrium
- Educational Spaces
- Collaboration Spaces
- Locker Rooms

FOURTH FLOOR PLAN

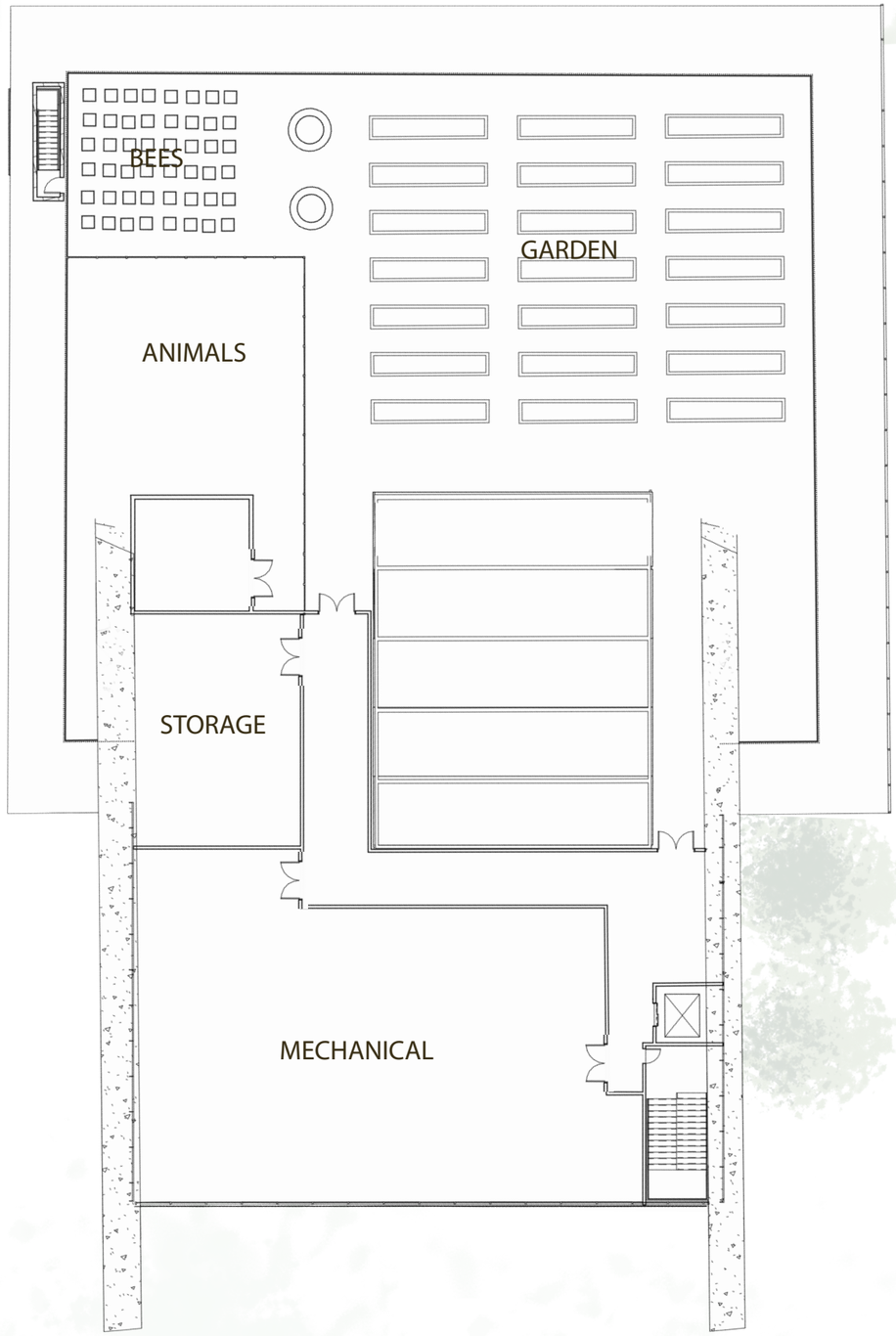
PROGRAMMING

- Lab Kitchen
- Atrium
- Educational Spaces
- Collaboration Spaces
- Locker Rooms



FOURTH FLOOR PLAN

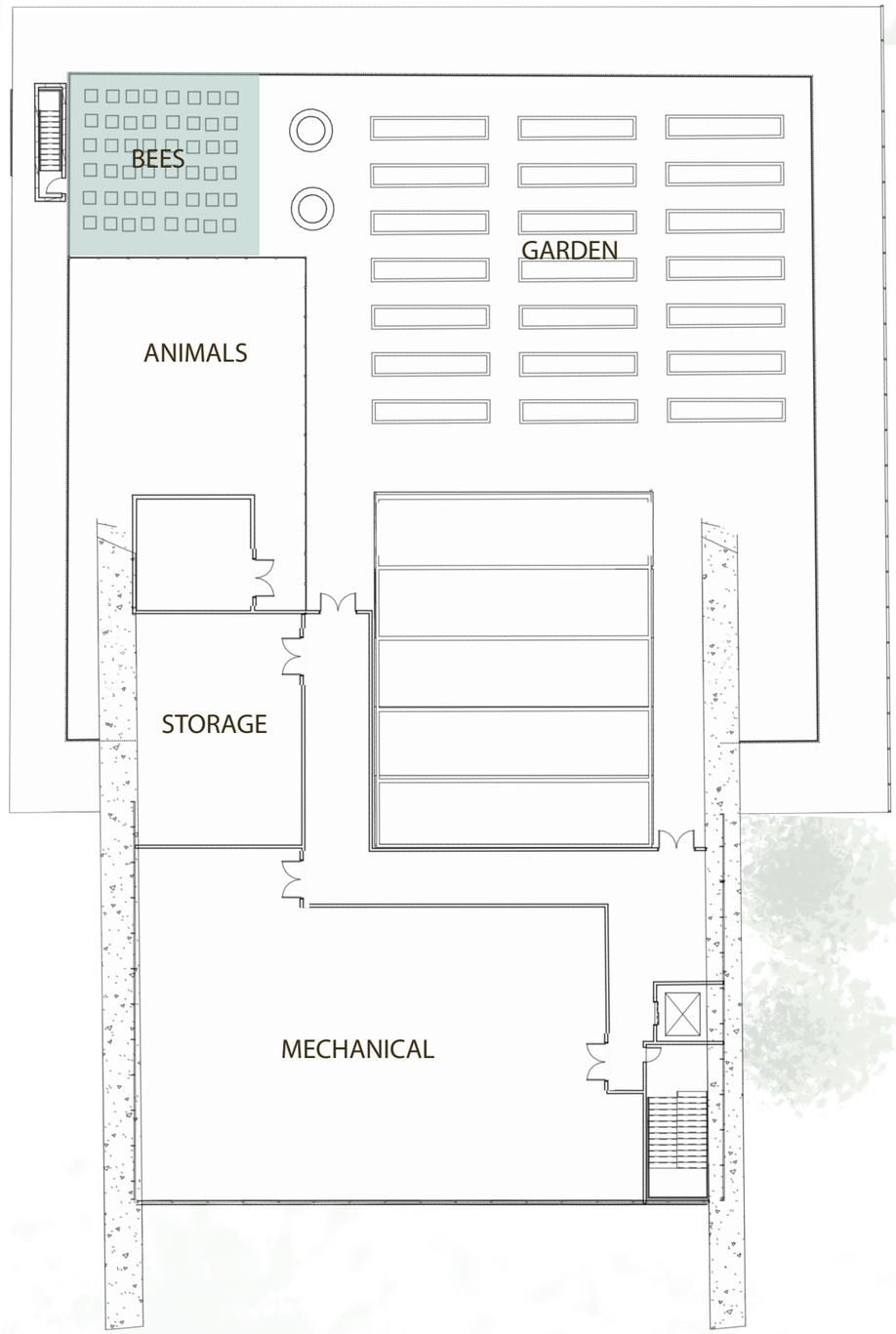
ROOF FLOOR PLAN



ROOF FLOOR PLAN

PROGRAMMING

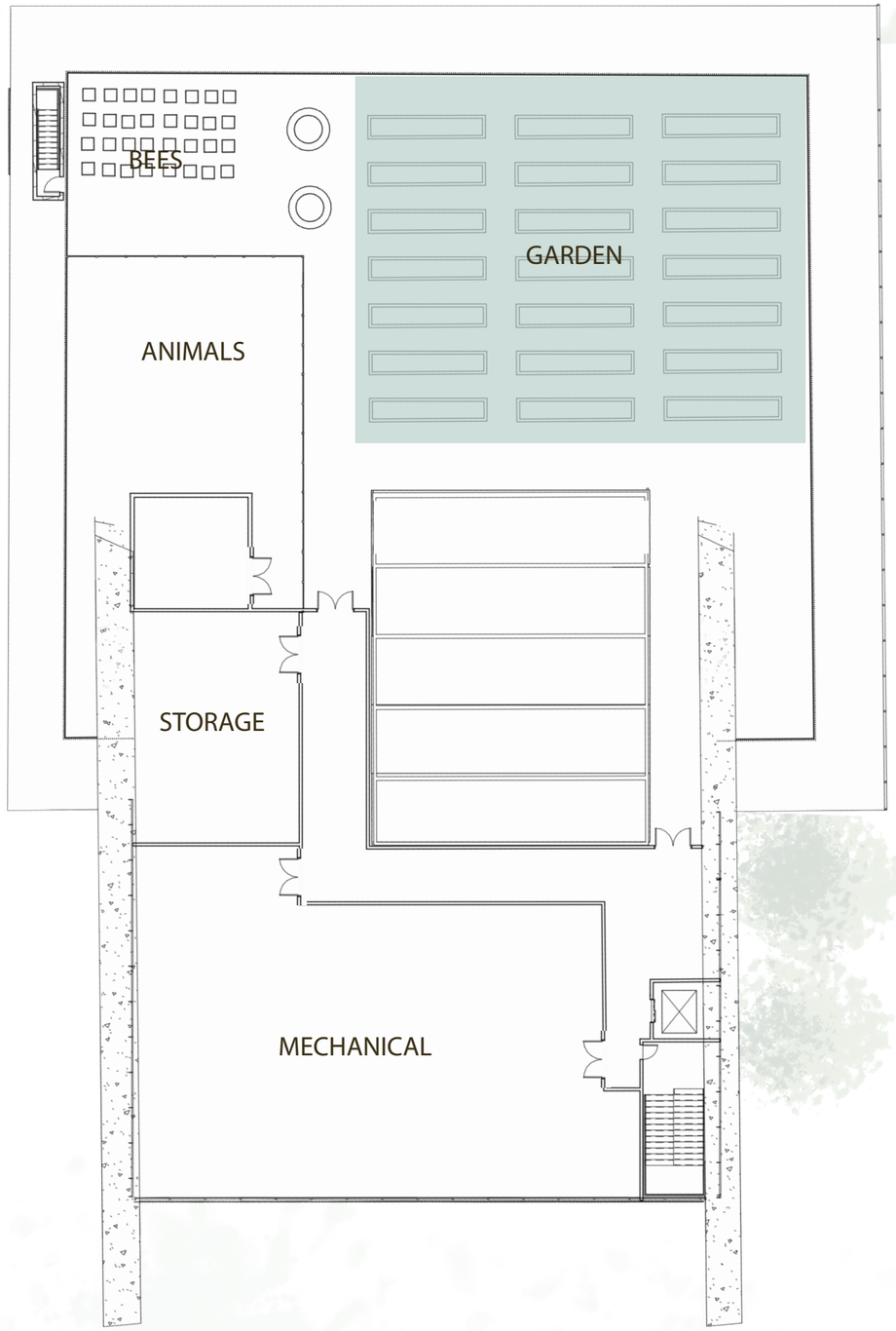
Apiary



ROOF FLOOR PLAN

PROGRAMMING

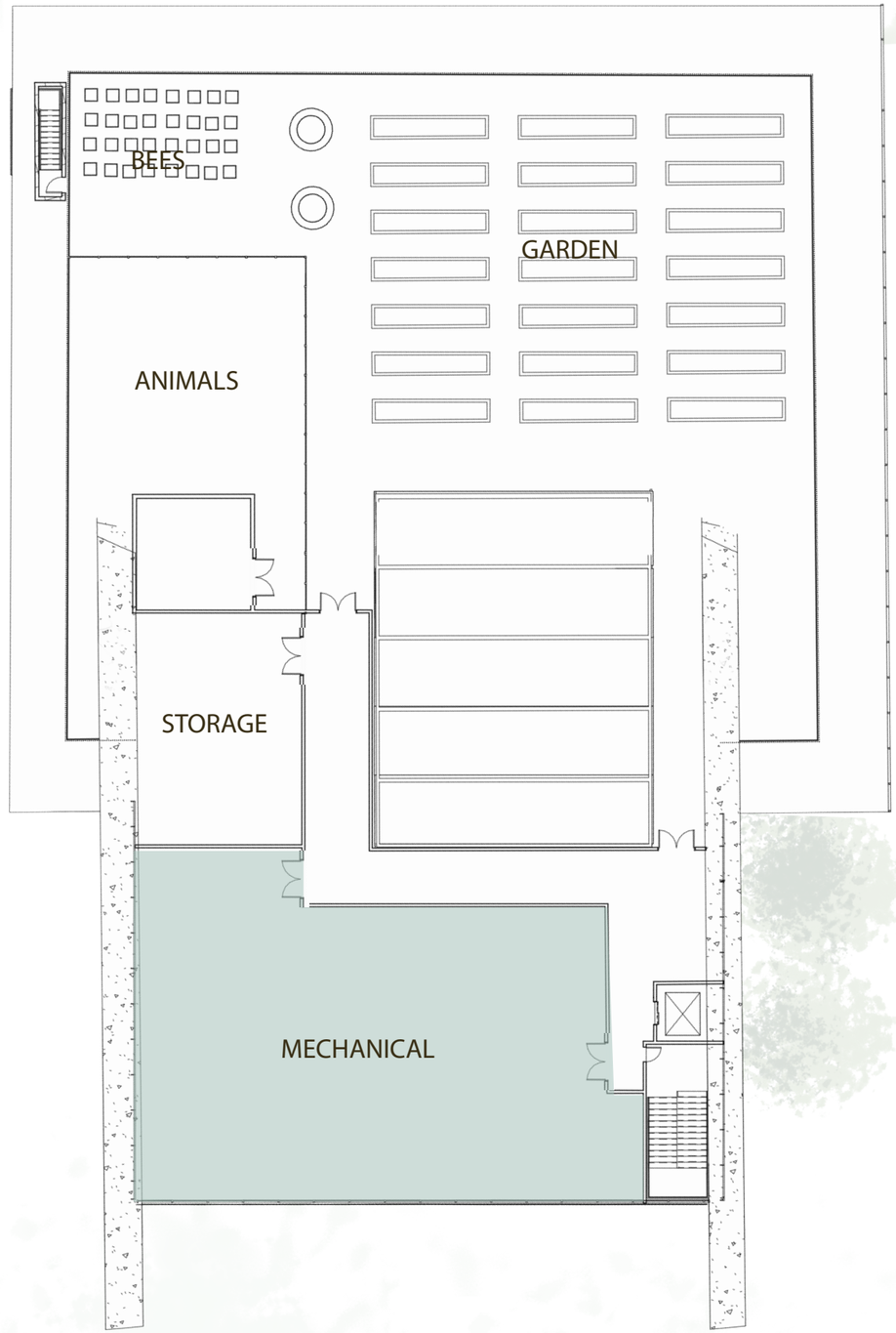
- Apiary
- Rooftop Garden



ROOF FLOOR PLAN

PROGRAMMING

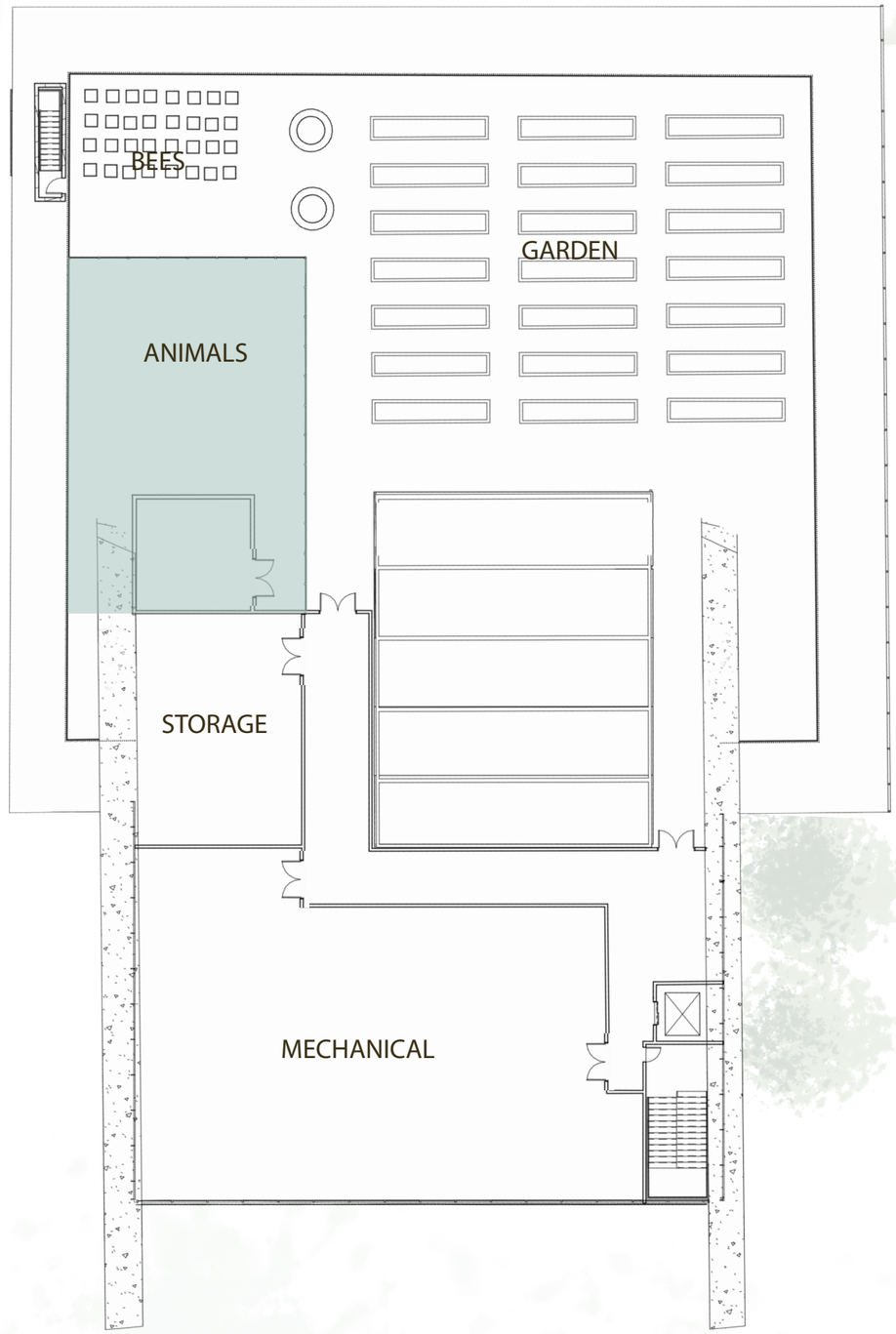
- Apiary
- Rooftop Garden
- Mechanical



ROOF FLOOR PLAN

PROGRAMMING

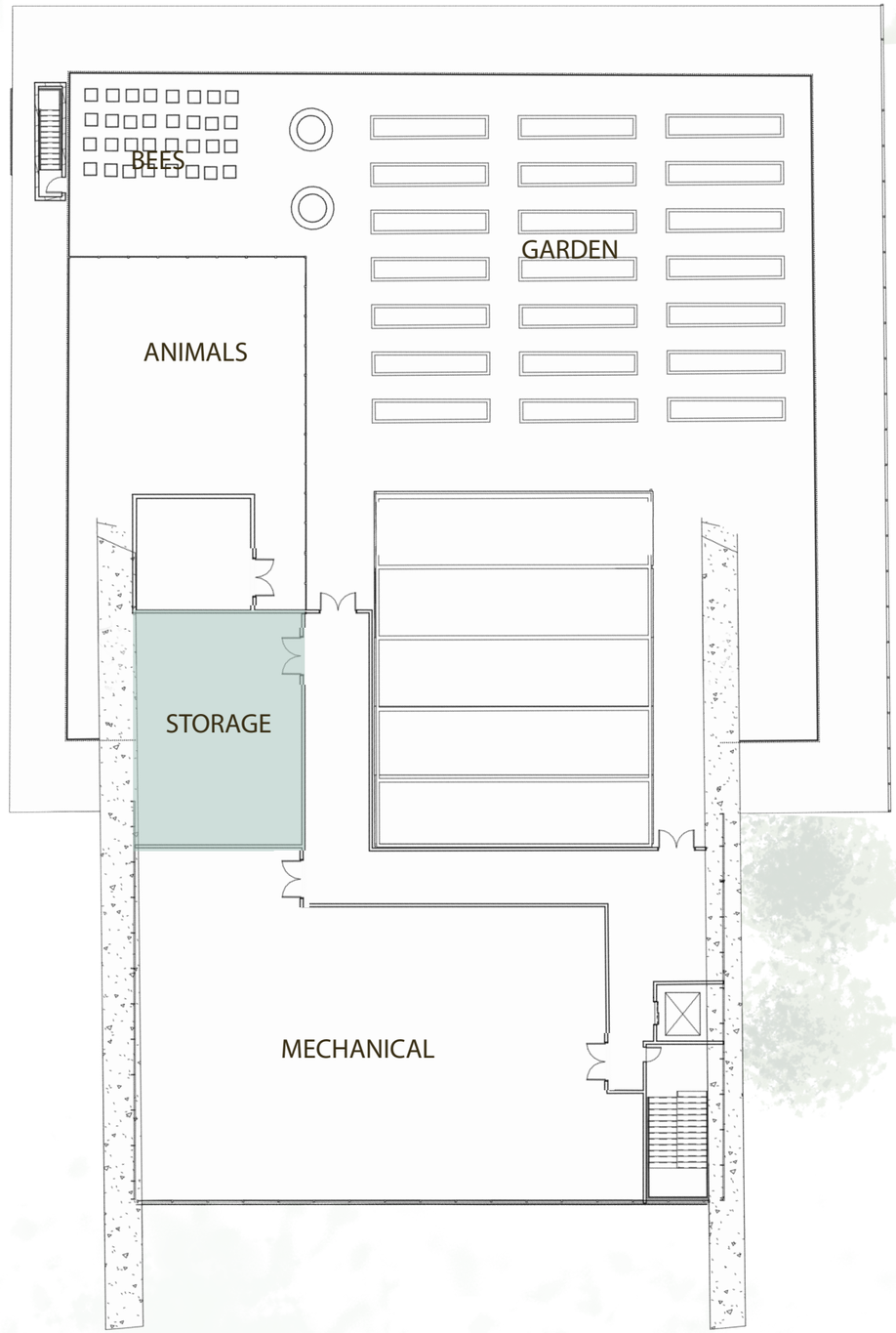
- Apiary
- Rooftop Garden
- Mechanical
- Animals



ROOF FLOOR PLAN

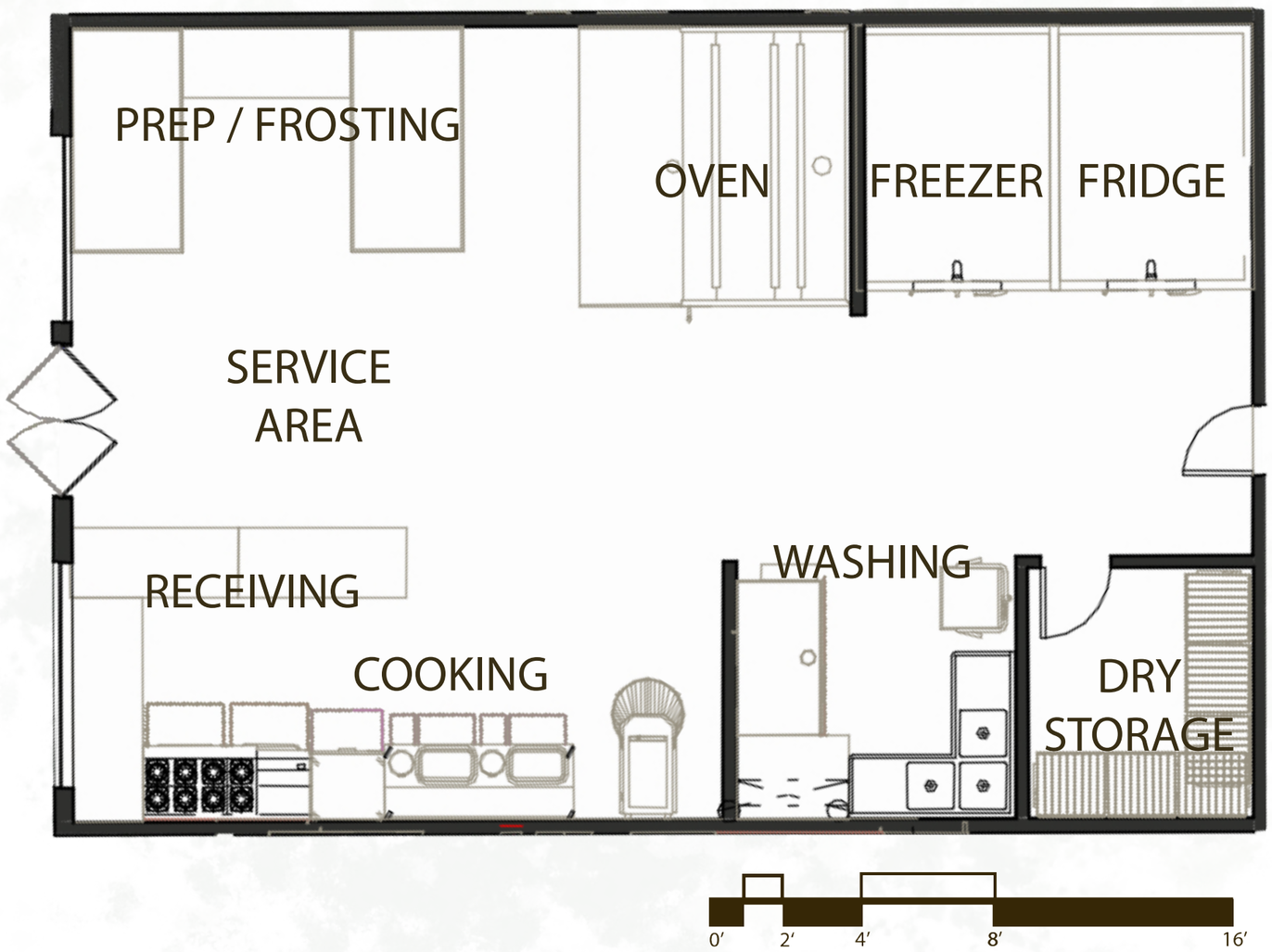
PROGRAMMING

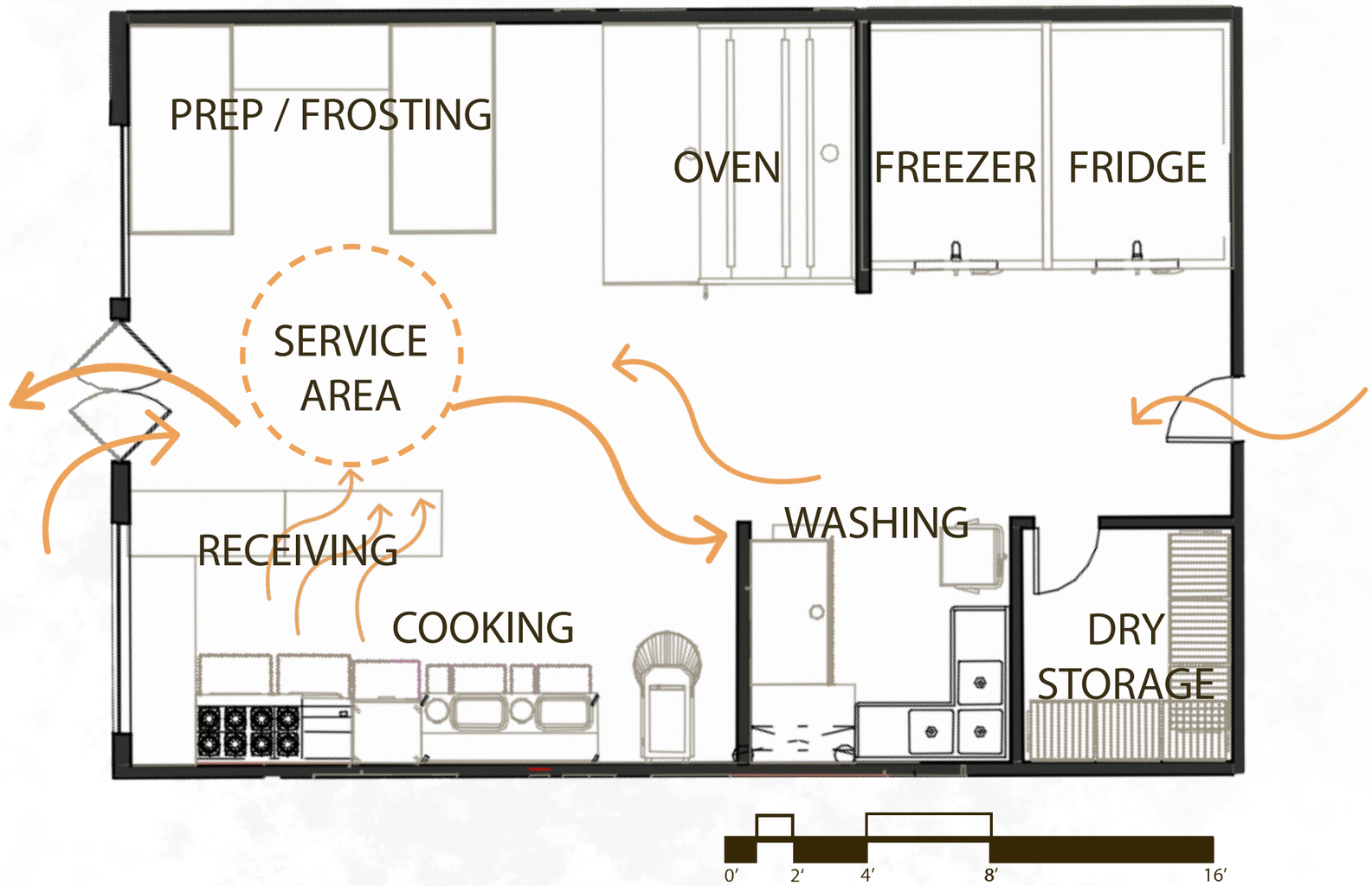
- Apiary
- Rooftop Garden
- Mechanical
- Animals
- Storage



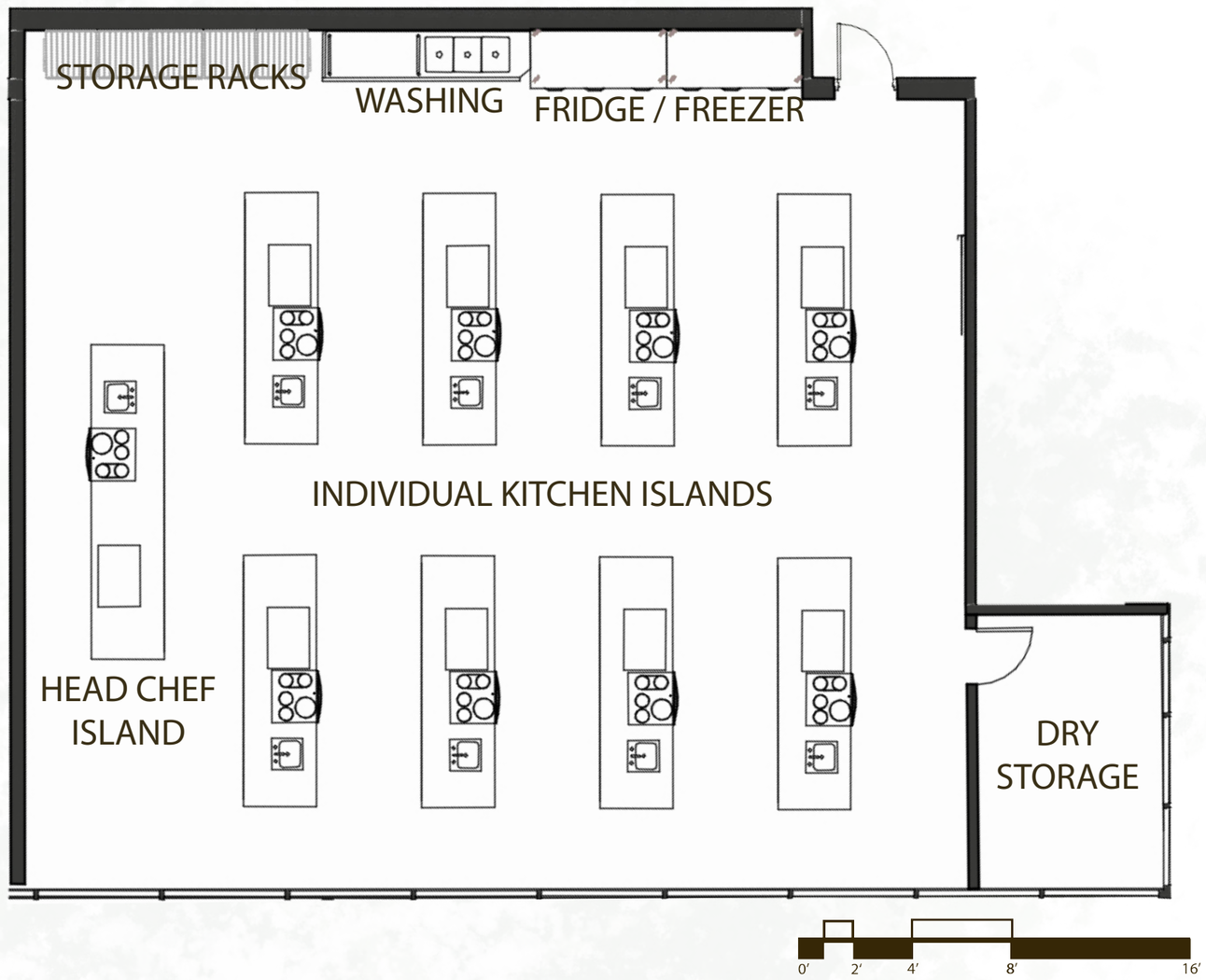
ROOF FLOOR PLAN

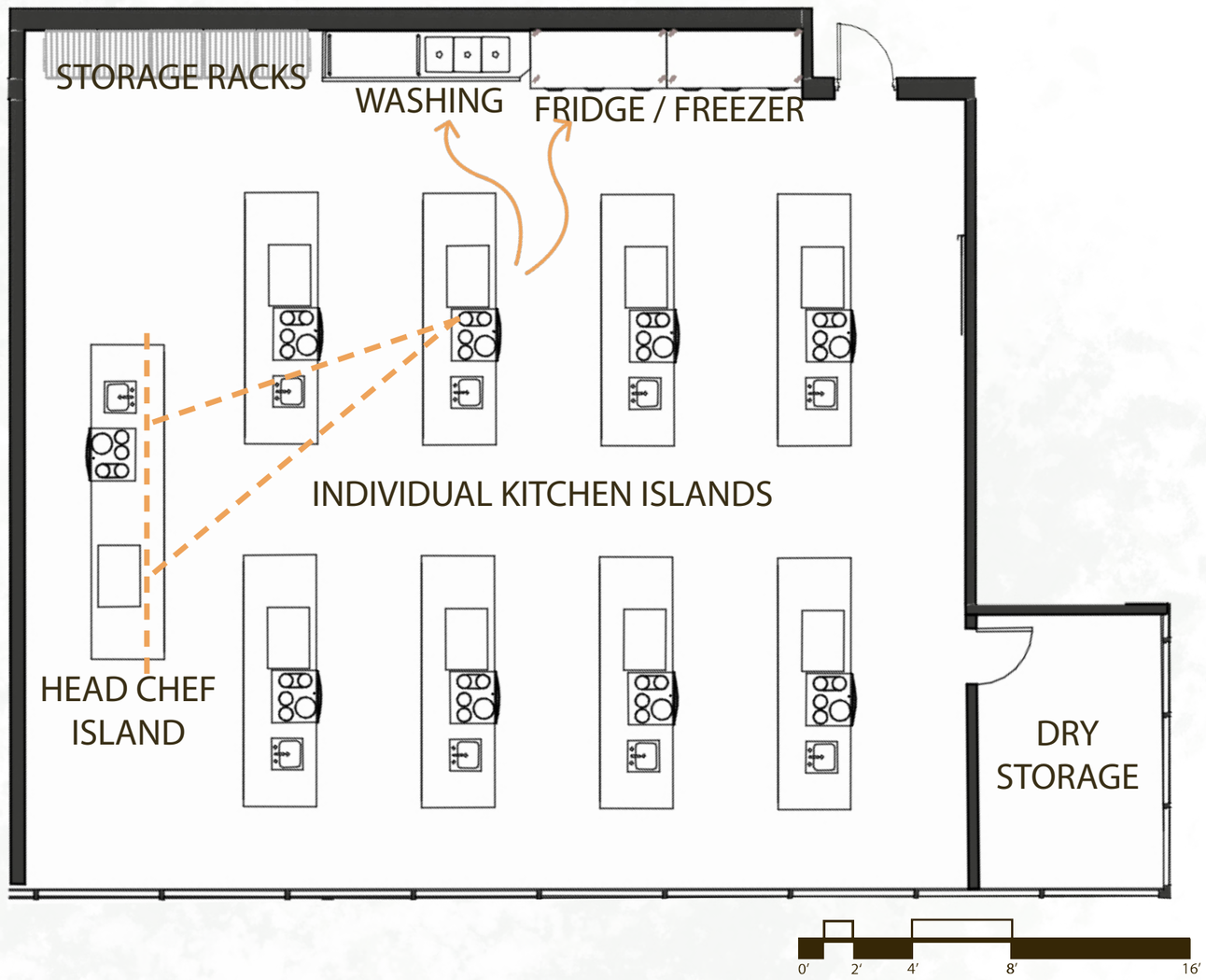
BAKERY KITCHEN



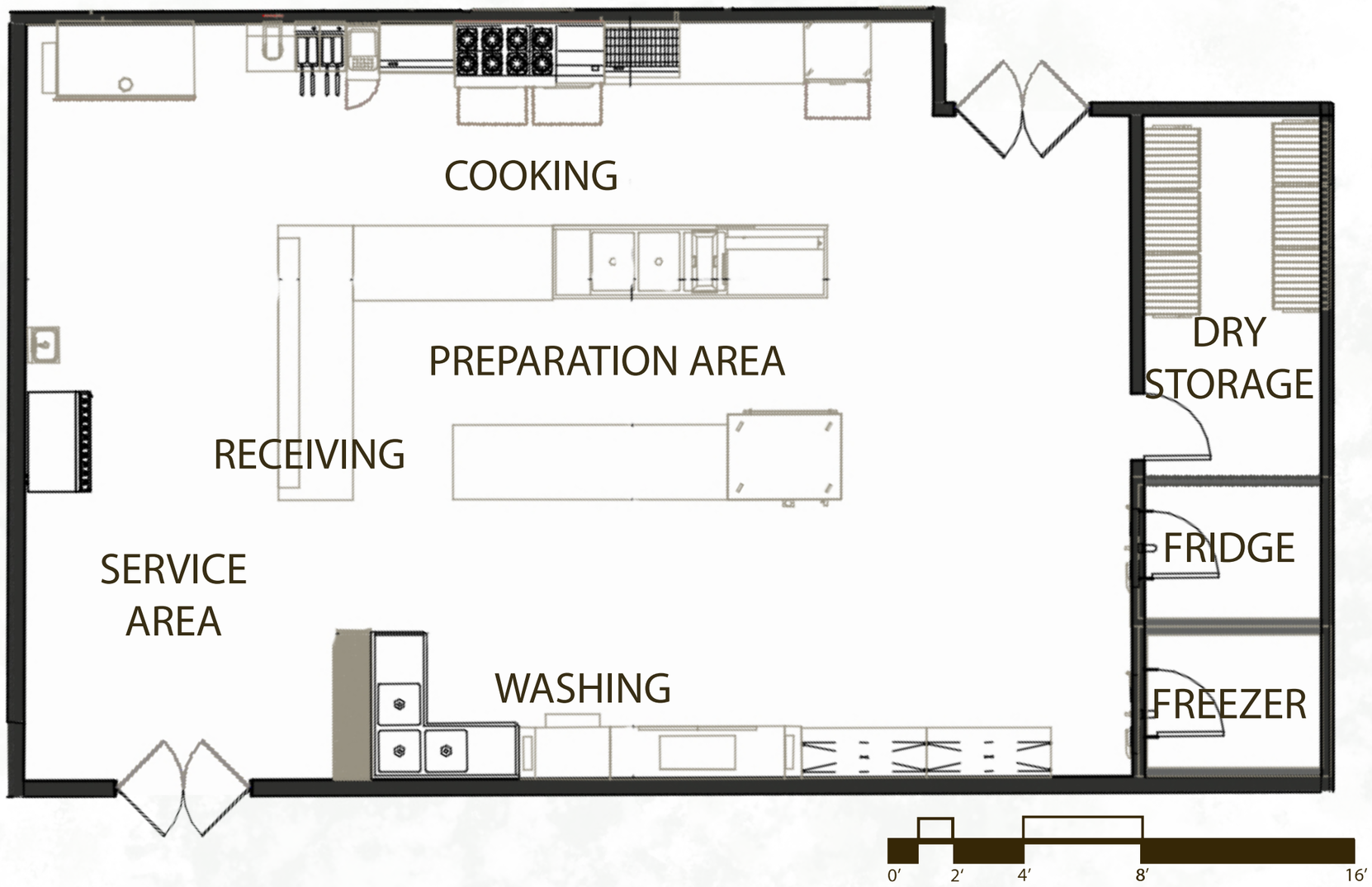

PREP / FROSTING
OVEN
FREEZER
FRIDGE
SERVICE AREA
RECEIVING
COOKING
WASHING
DRY STORAGE
0′
2′
4′
8′
16′

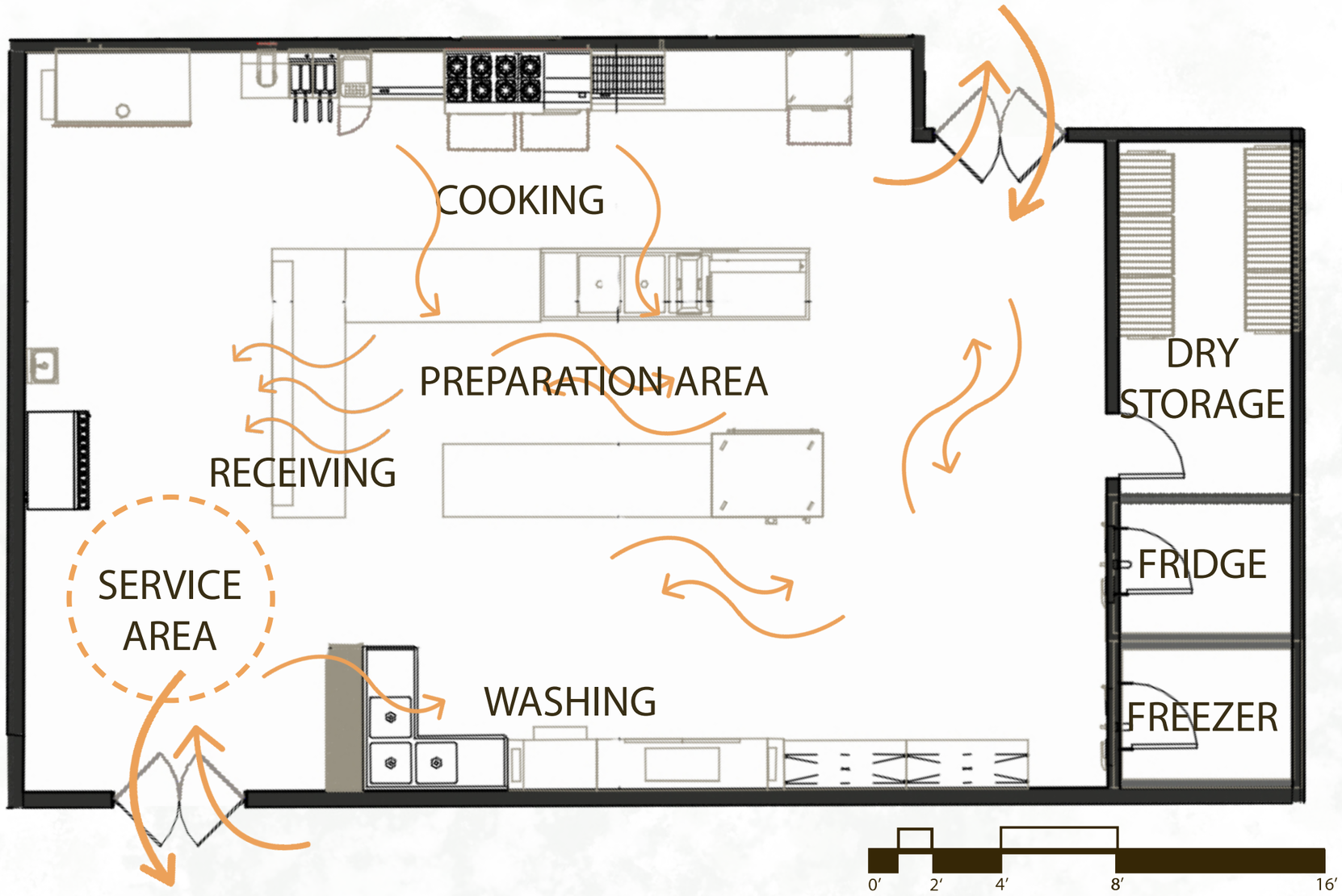
TEACHING KITCHEN



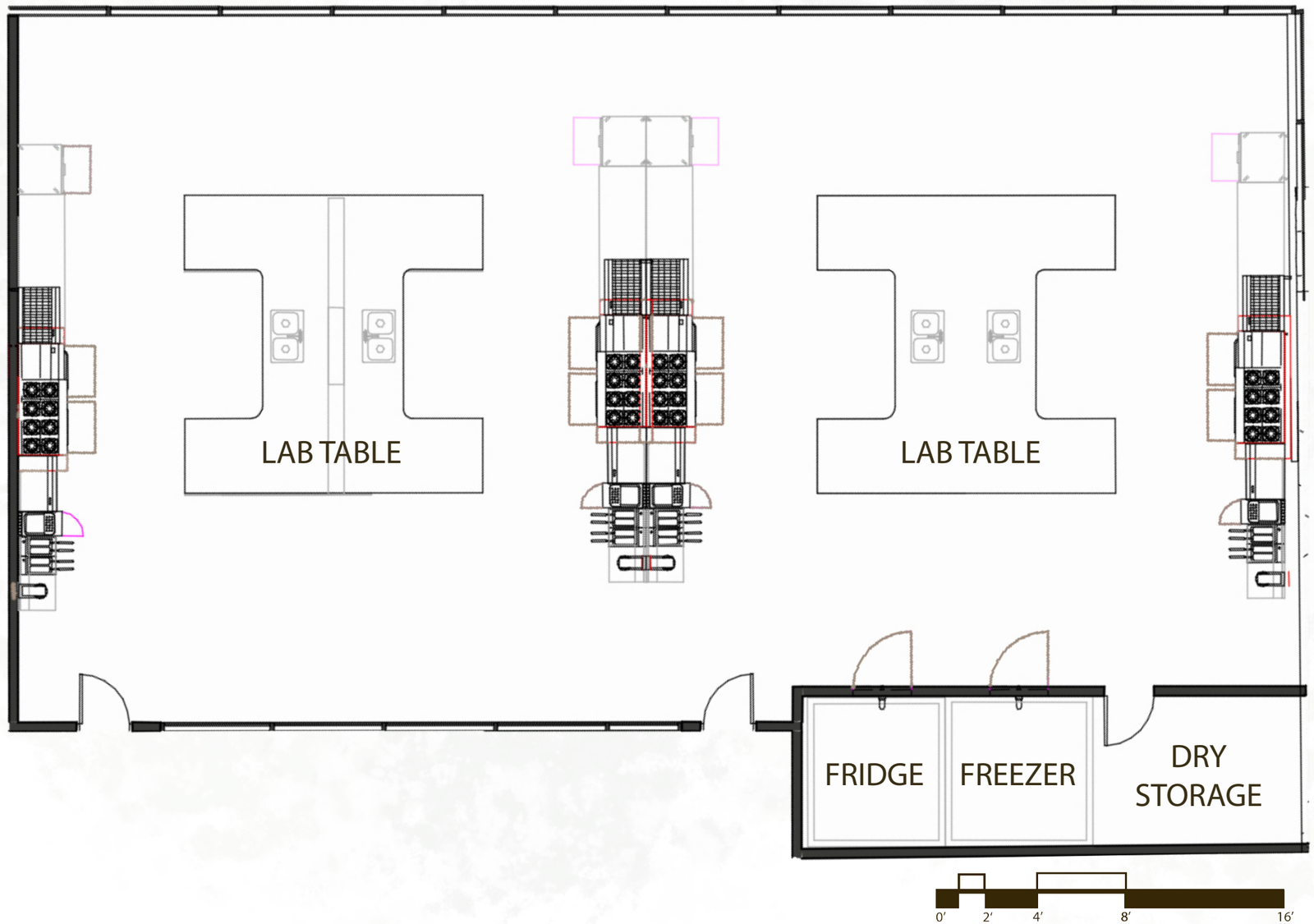

STORAGE RACKS
WASHING
FRIDGE / FREEZER
INDIVIDUAL KITCHEN ISLANDS
HEAD CHEF
ISLAND
DRY
STORAGE
0'
2'
4'
8'
16'

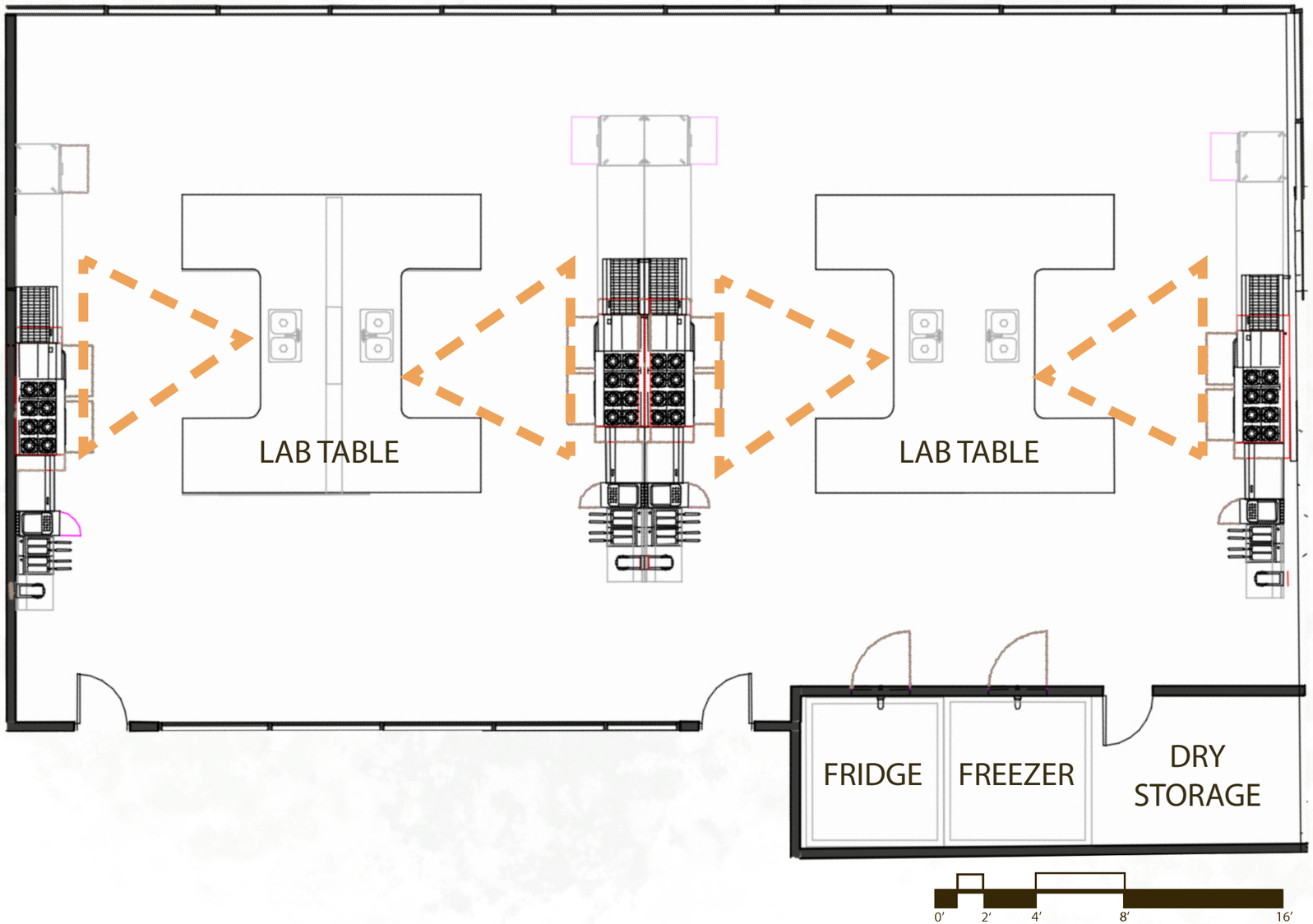
RESTAURANT KITCHEN




COOKING
PREPARATION AREA
RECEIVING
SERVICE AREA
WASHING
DRY STORAGE
FRIDGE
FREEZER
0′
2′
4′
8′
16′

LAB KITCHEN




LAB TABLE
LAB TABLE
FRIDGE
FREEZER
DRY
STORAGE
0′
2′
4′
8′
16′

SUSTAINABILITY

SUSTAINABILITY

ENERGY AND POWER

Both vertical and horizontal **SHADING DEVICES** are incorporated to control solar heat gain and maximize natural cooling.

PHOTOVOLTAIC PANELS located on the roof capture energy use within the school.

Commercial **HEAT EXCHANGE UNITS**, specifically for kitchen use, transfer heat used in kitchens to be returned throughout the building as heat.

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WATER EFFICIENCY

RAINWATER COLLECTION located on the roof lowers the needs of non-potable water for site irrigation.

WATER EFFICIENCY through low flow plumbing fixtures lowers need of non-potable water.

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LOCATION AND TRANSPORTATION

PARKING FOOTPRINT is lowered to maximize green space across the site. To obtain maximized parking needs, the parking garage nearby can be utilized.

Site is located within walking distance of **DIVERSE USE** area, King Street. As well as located on a major **PUBLIC TRANSIT** stop.

PROGRAMMED COMMUNITY SPACE to promote interaction with the building and students through an outdoor environment to promote human connections through nature.

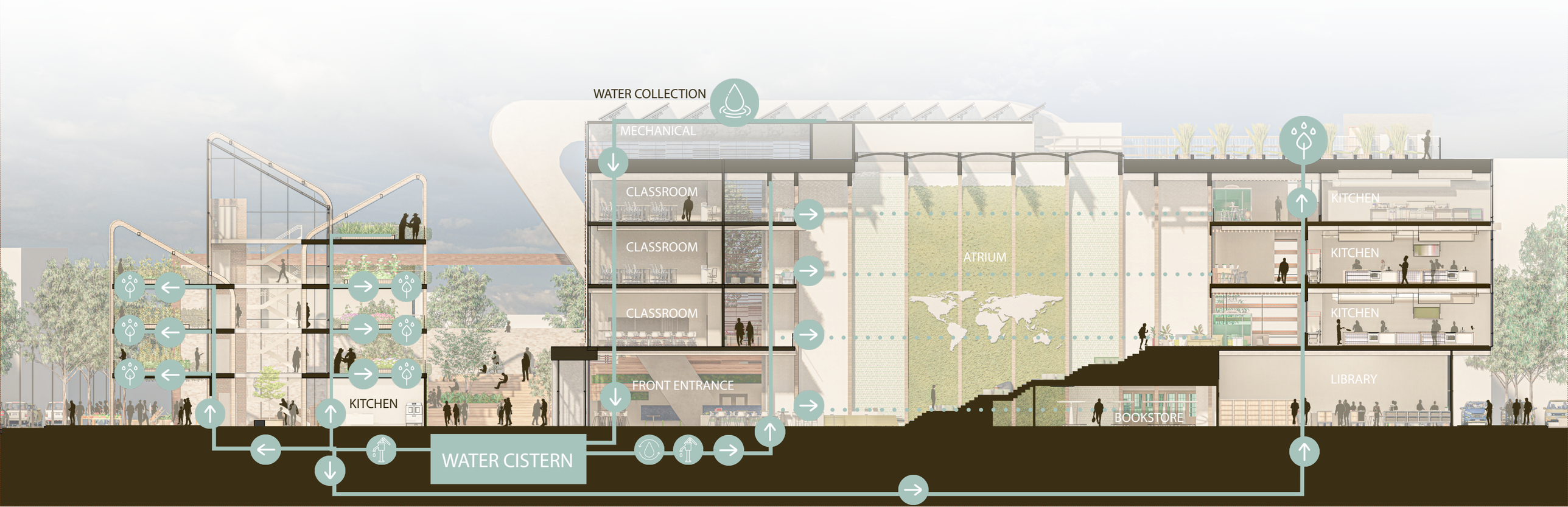
WATER COLLECTION

IRRIGATION

WATER COLLECTION

WATER PUMP

FILTRATION SYSTEM

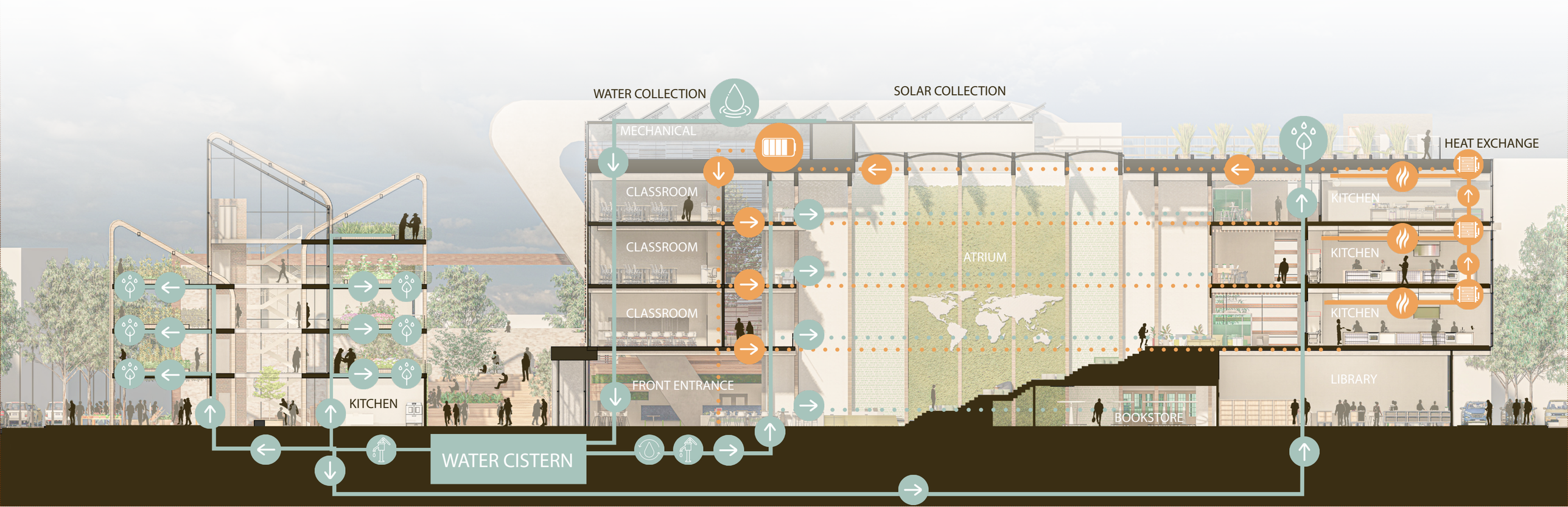


WATER COLLECTION

- IRRIGATION
- WATER COLLECTION
- WATER PUMP
- FILTRATION SYSTEM

HEAT EXCHANGE

- DIRECTION OF TRAVEL
- HEAT FROM KITCHENS
- HEAT EXCHANGE SYSTEM
- FUEL CELL STACK



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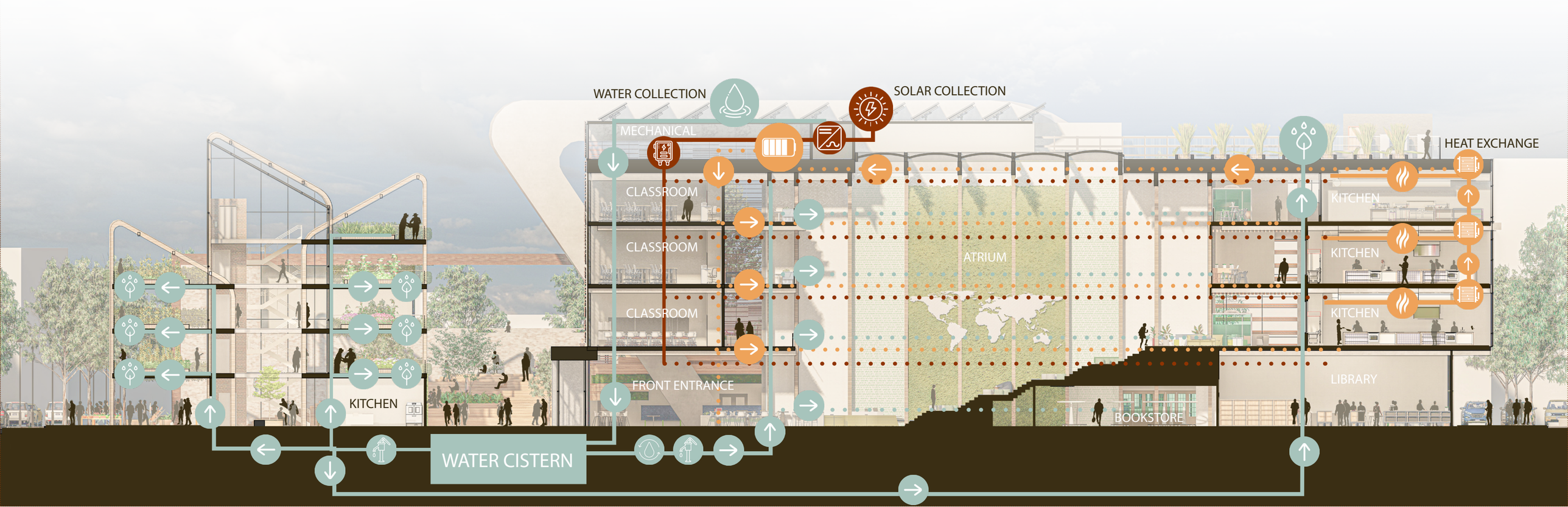
SOLAR COLLECTION

- PHOTOVOLTAIC PANELS
- ENERGY STORAGE
- ENERGY INVERTER



THANK YOU

QUESTIONS/COMMENTS?