

ARCHITECTURE

PORTFOLIO

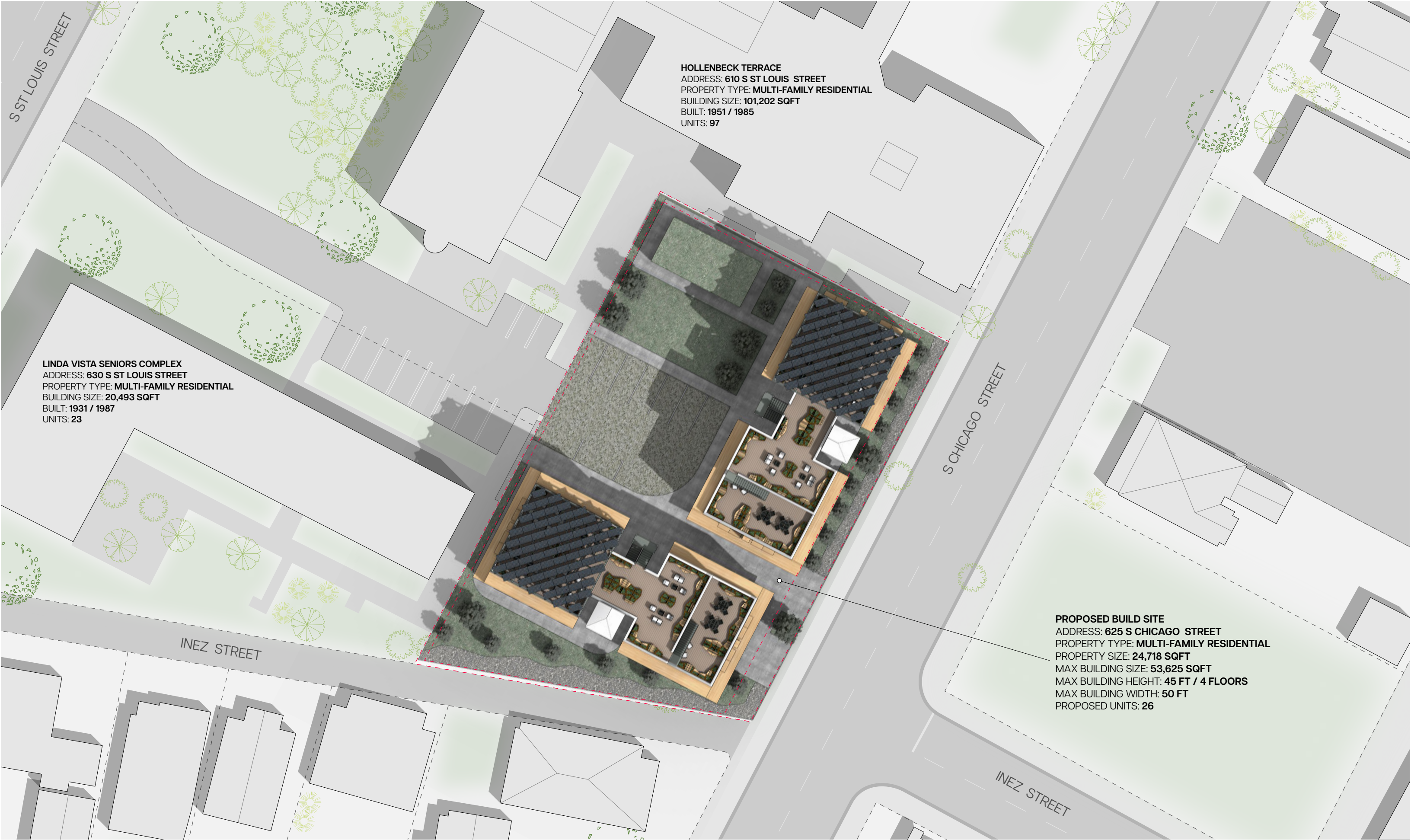
MATTHEW ARMSTRONG





THE **PARKSIDE**

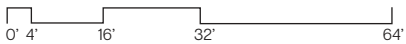
A COLLECTIVE HOUSING COMMUNITY



HOLLENBECK TERRACE
ADDRESS: 610 S ST LOUIS STREET
PROPERTY TYPE: MULTI-FAMILY RESIDENTIAL
BUILDING SIZE: 101,202 SQFT
BUILT: 1951 / 1985
UNITS: 97

LINDA VISTA SENIORS COMPLEX
ADDRESS: 630 S ST LOUIS STREET
PROPERTY TYPE: MULTI-FAMILY RESIDENTIAL
BUILDING SIZE: 20,493 SQFT
BUILT: 1931 / 1987
UNITS: 23

PROPOSED BUILD SITE
ADDRESS: 625 S CHICAGO STREET
PROPERTY TYPE: MULTI-FAMILY RESIDENTIAL
PROPERTY SIZE: 24,718 SQFT
MAX BUILDING SIZE: 53,625 SQFT
MAX BUILDING HEIGHT: 45 FT / 4 FLOORS
MAX BUILDING WIDTH: 50 FT
PROPOSED UNITS: 26



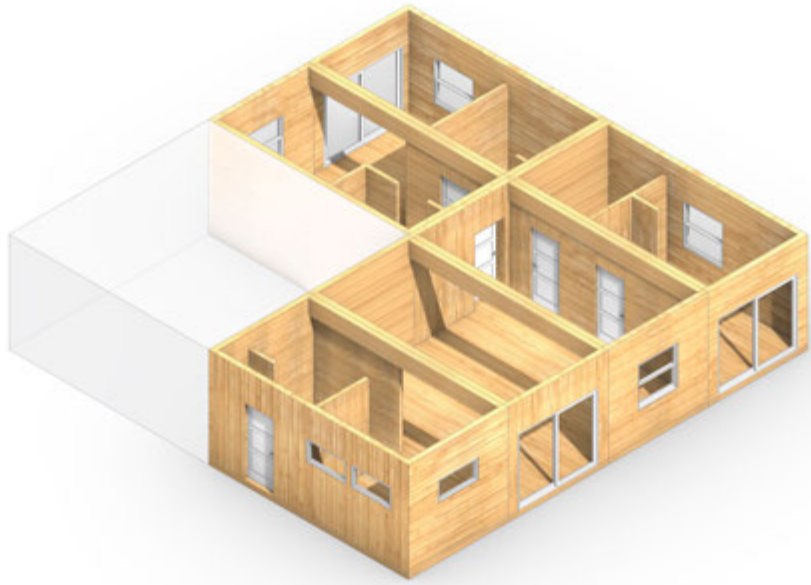
1/32" = 1'



UNIT PLANS



400 SQFT - **STUDIO**



1200 SQFT - **2 BEDROOM**



0' 2' 6' 18' 36' 3/16" = 1'

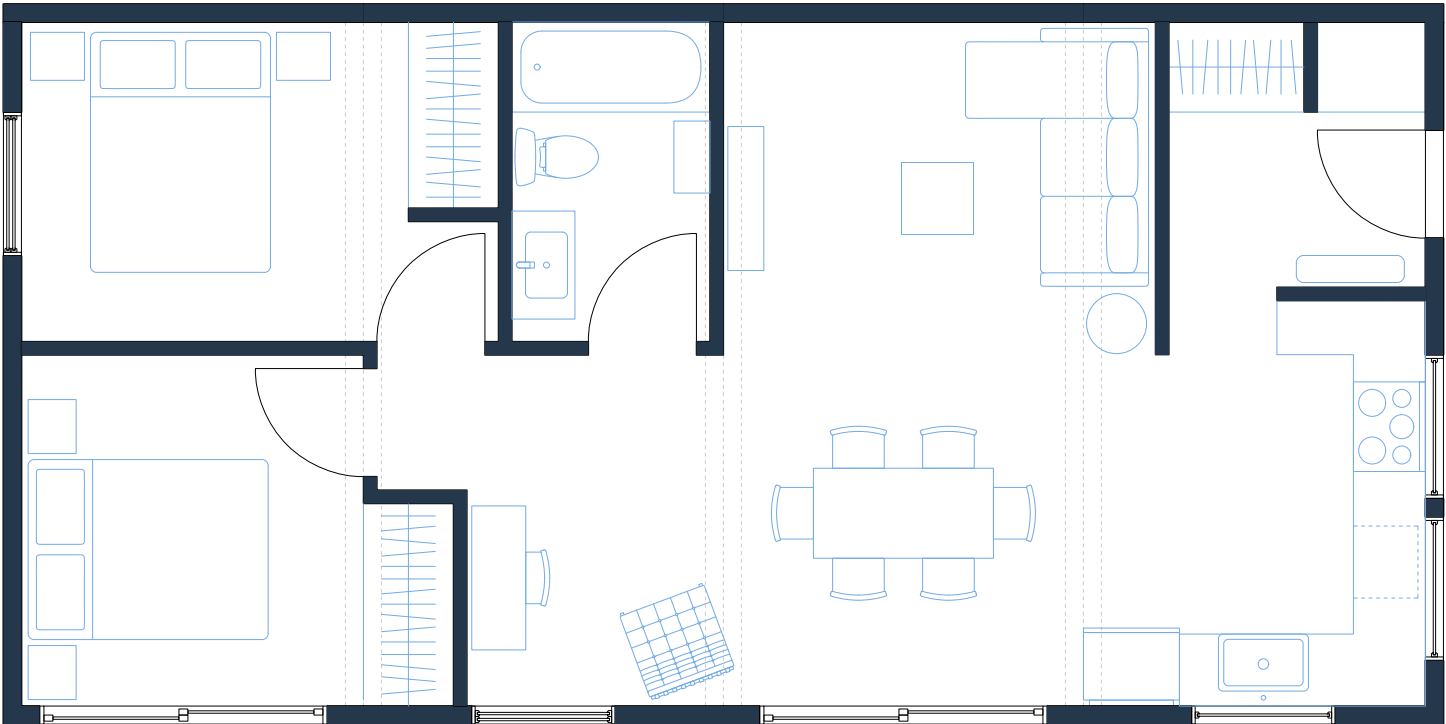
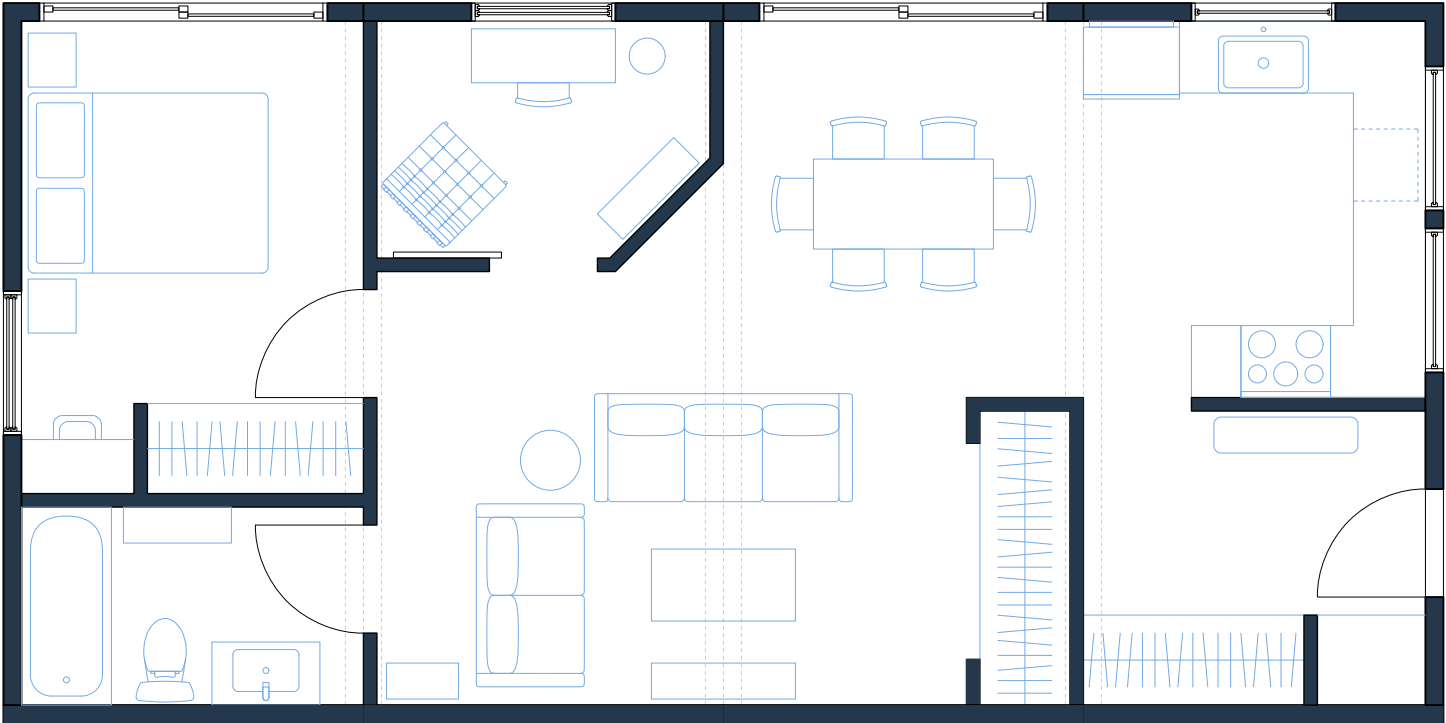
UNIT PLANS



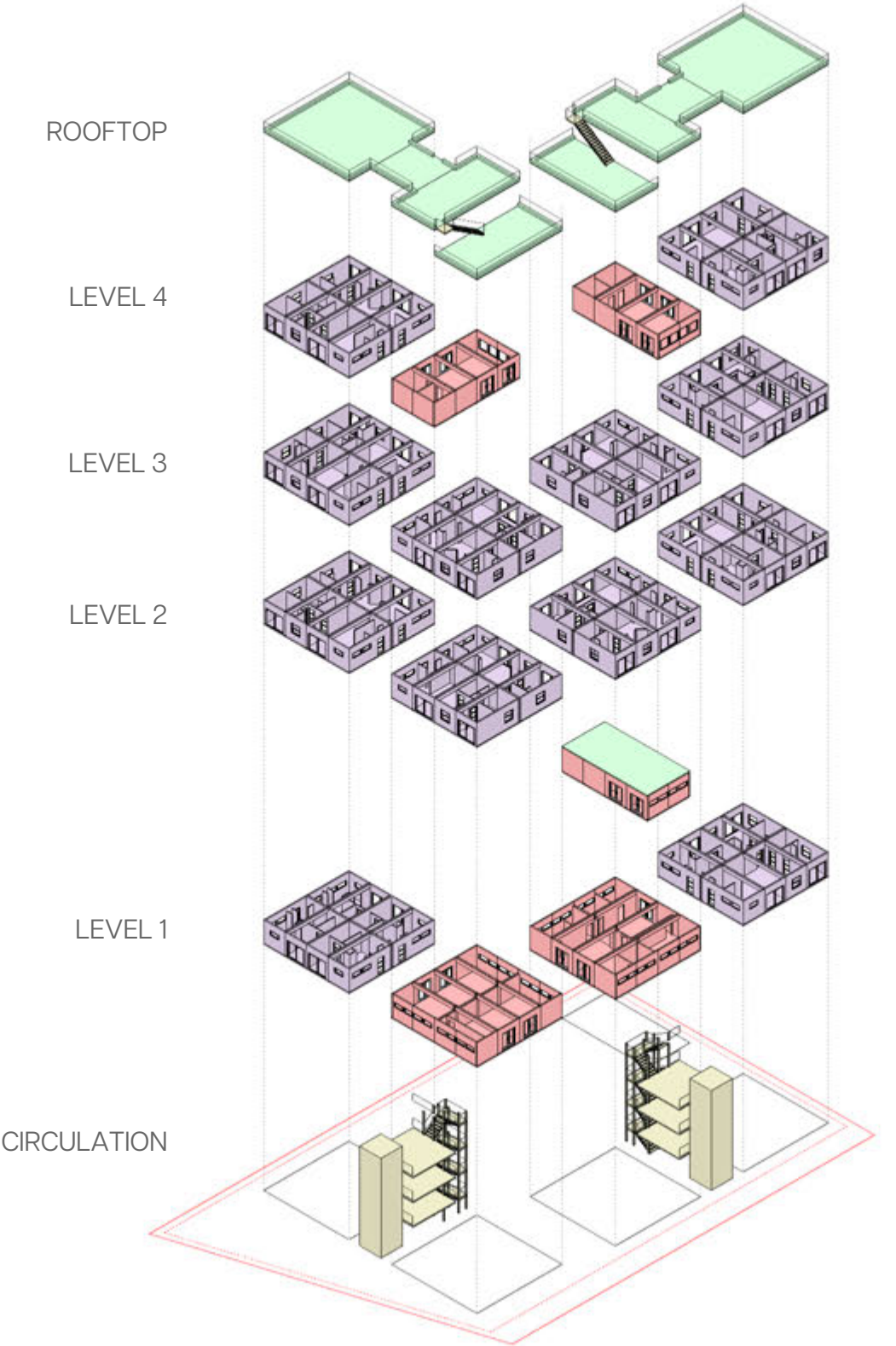
800 SQFT - 1 BEDROOM



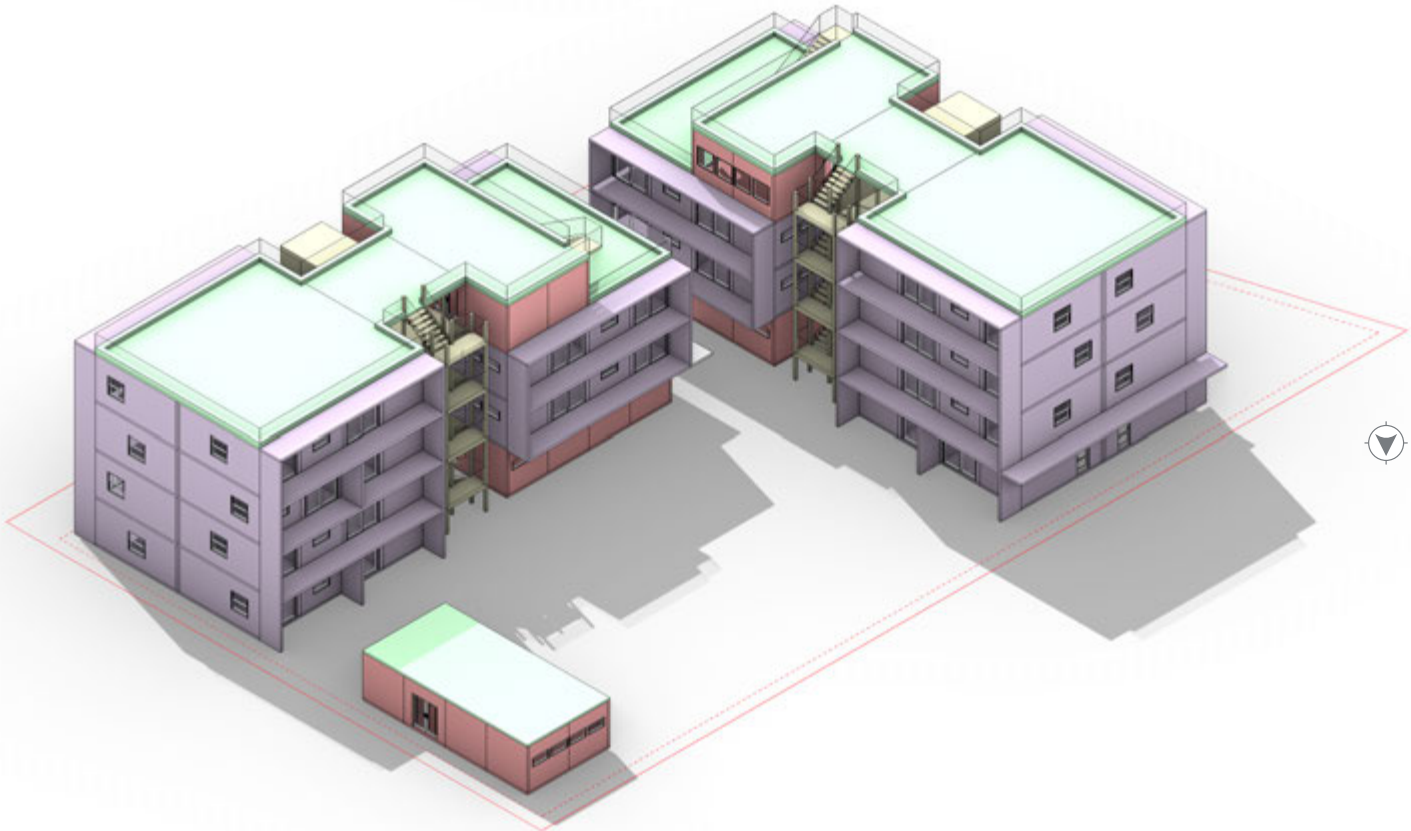
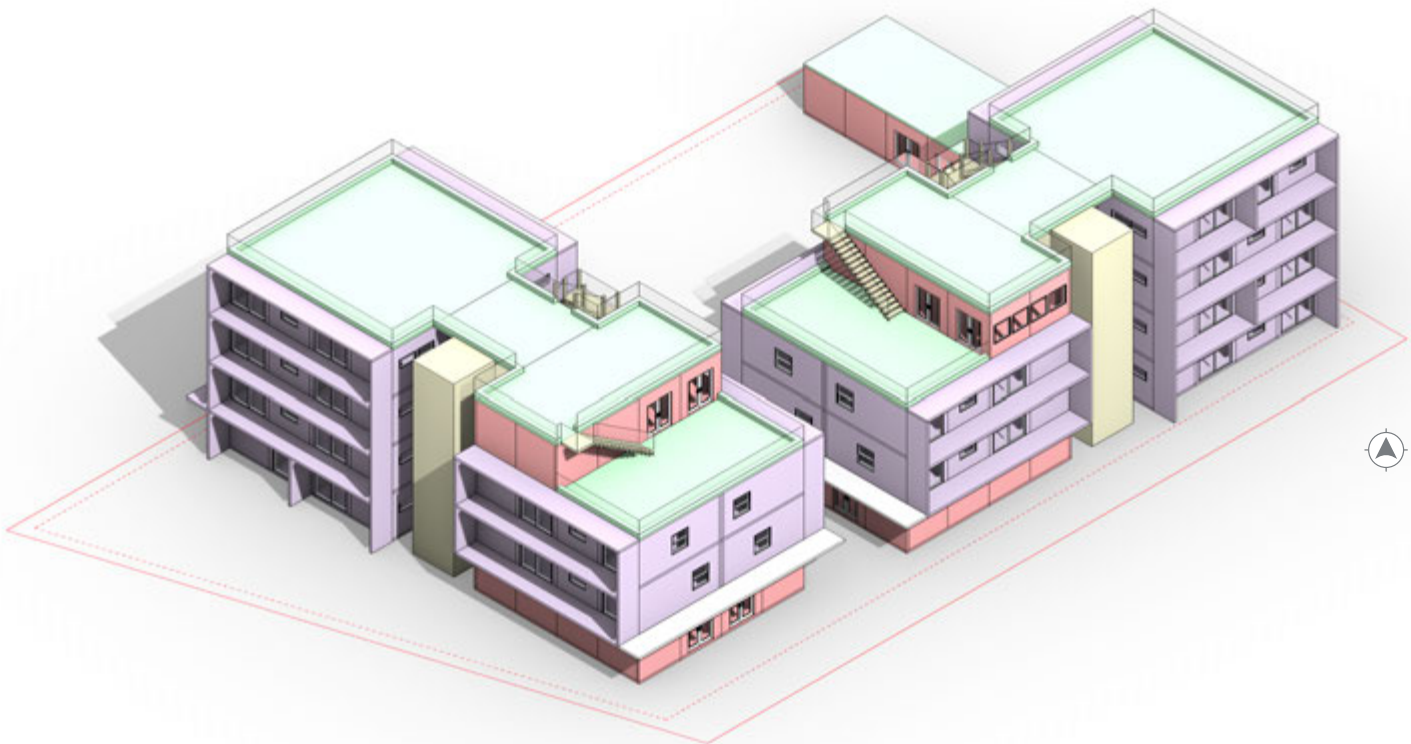
800 SQFT - 2 BEDROOM



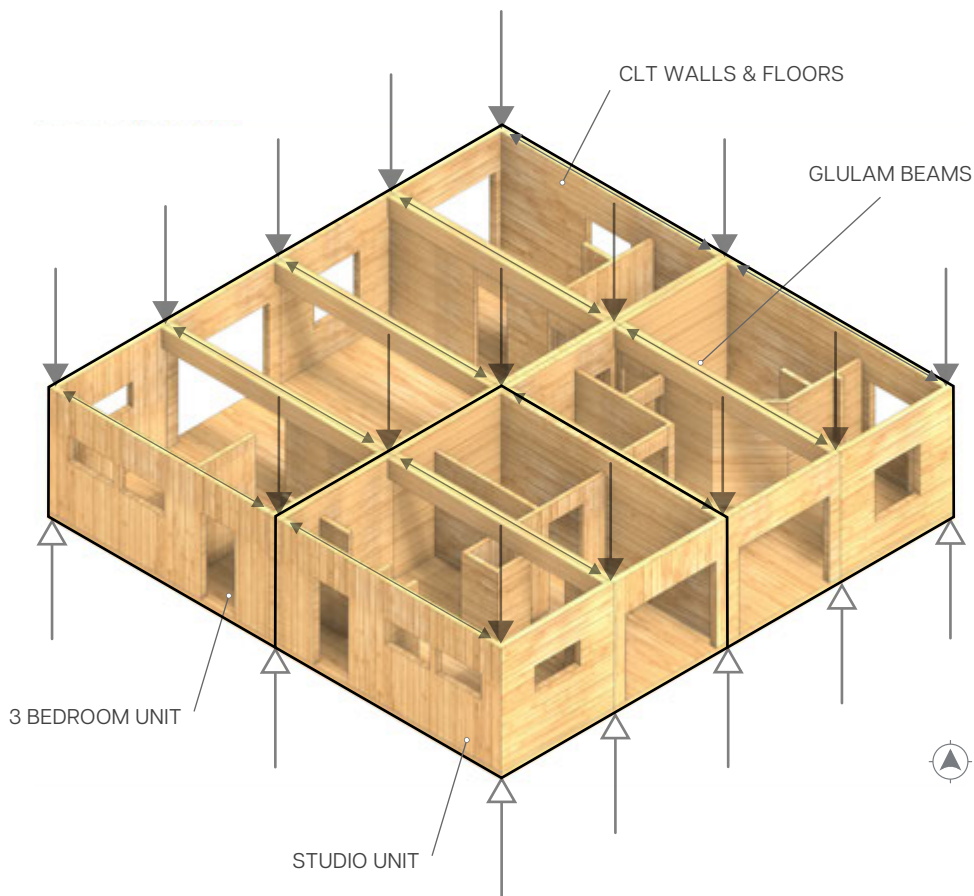
MASSING



PUBLIC PRIVATE CIRCULATION GARDENS/GREEN ROOF

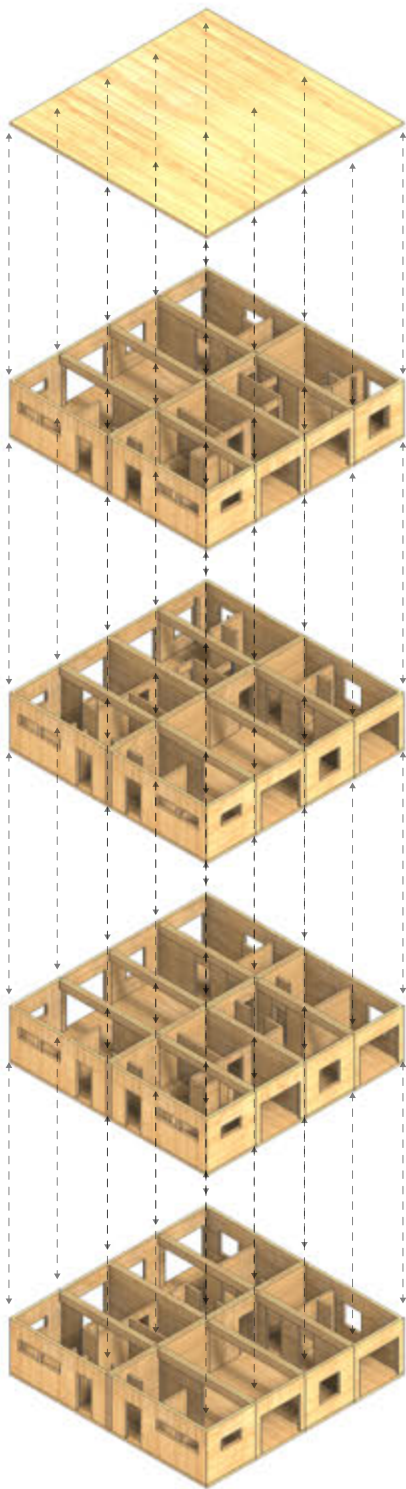


RESIDENTIAL UNITS STRUCTURE

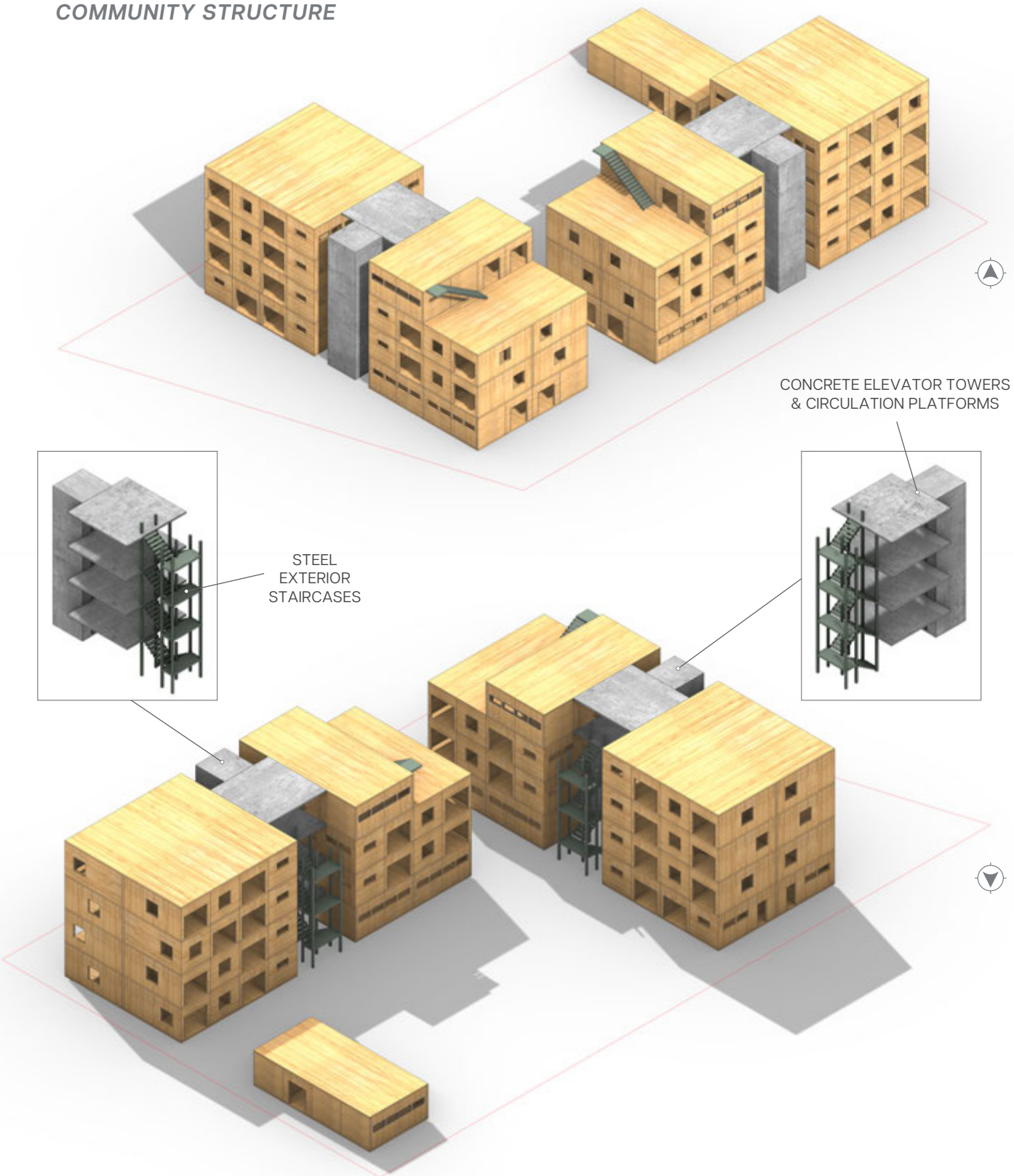


MODULAR MASS TIMBER CONSTRUCTION

TOWER STRUCTURE



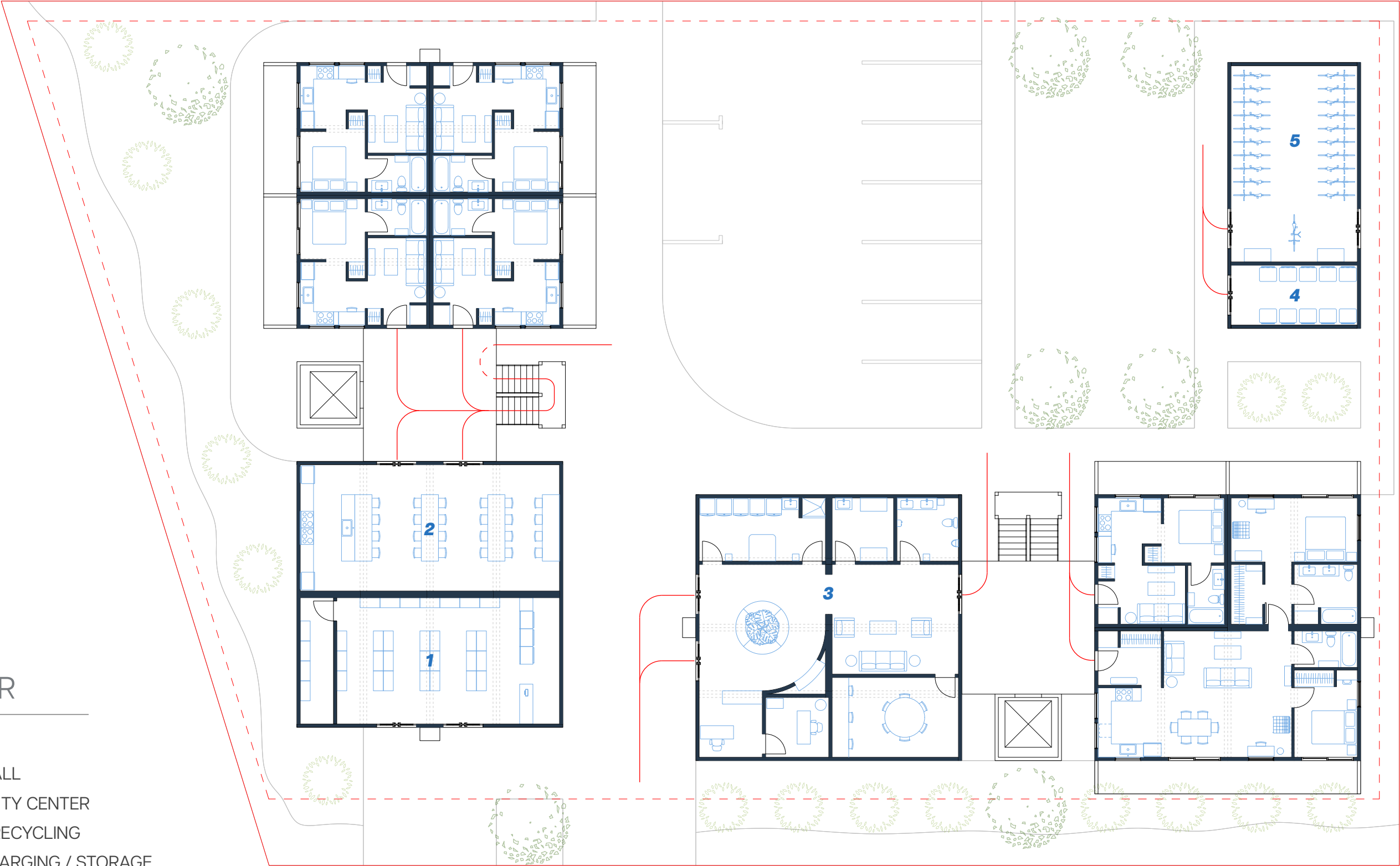
COMMUNITY STRUCTURE



SITE PLAN

1ST FLOOR

- 1 MARKET
- 2 DINING HALL
- 3 COMMUNITY CENTER
- 4 TRASH / RECYCLING
- 5 E-BIKE CHARGING / STORAGE



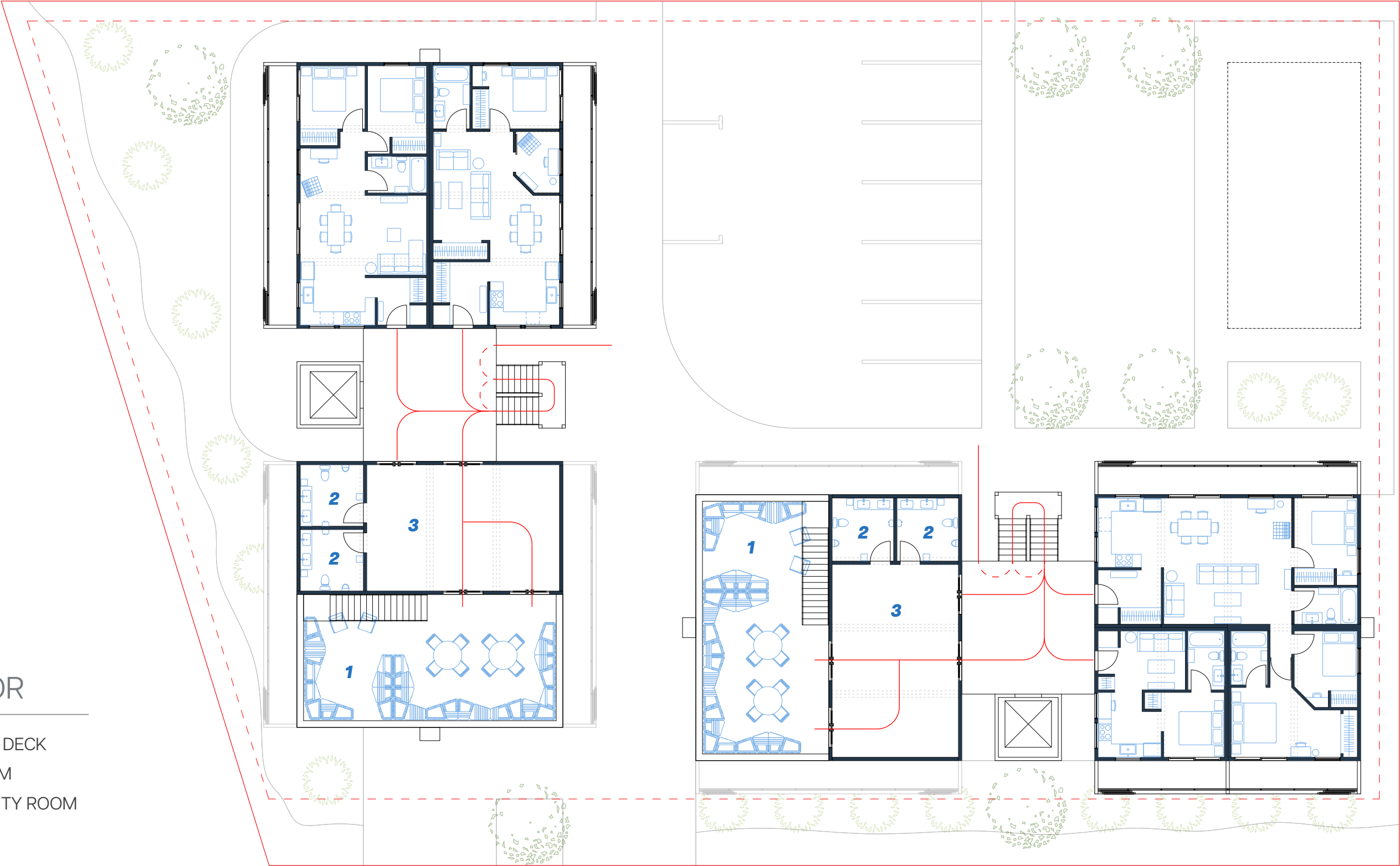
0' 2' 8' 16' 32' 1/16" = 1'



SITE PLAN

4TH FLOOR

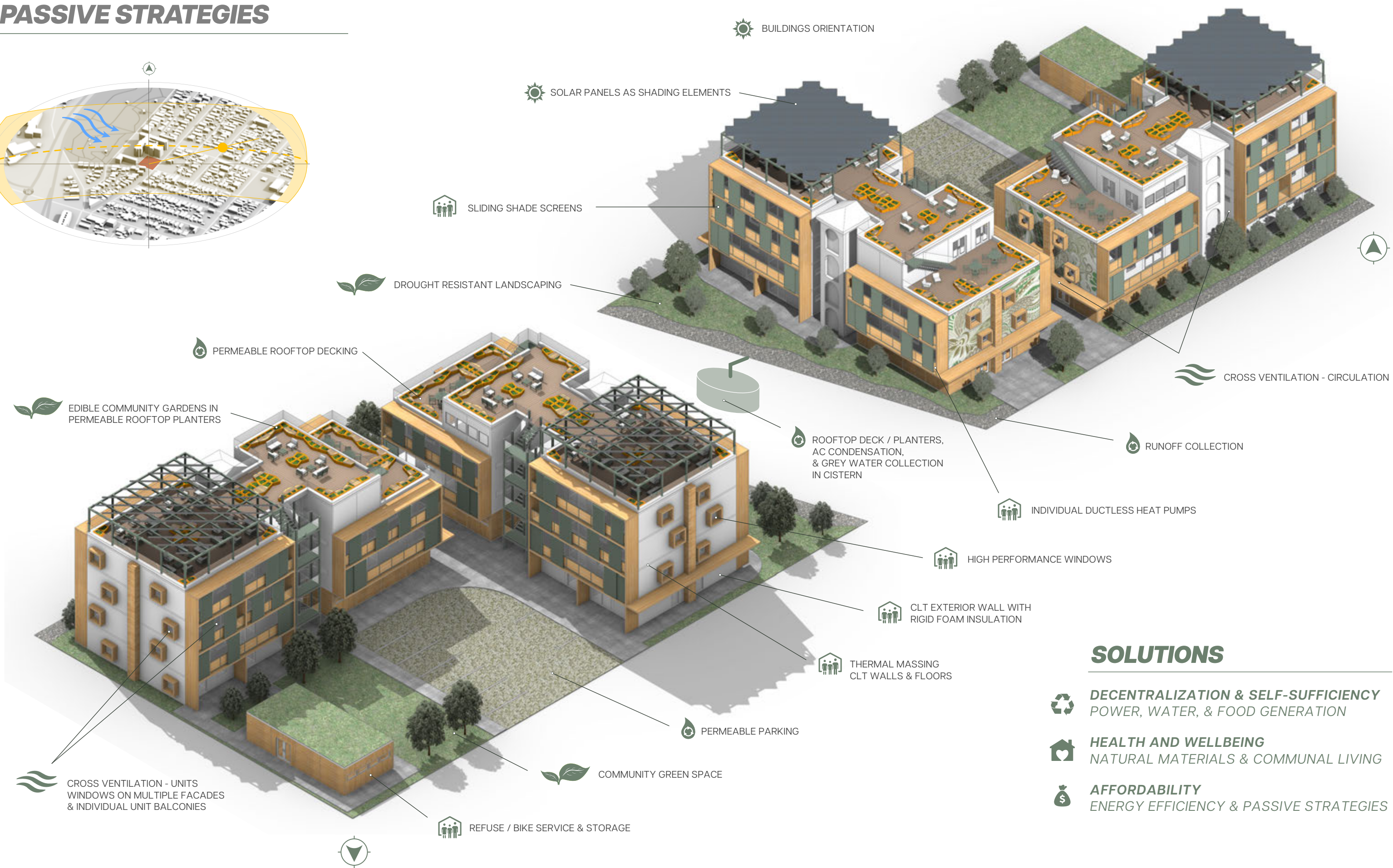
- 1 ROOFTOP DECK
- 2 RESTROOM
- 3 COMMUNITY ROOM



SITE SECTIONS



PASSIVE STRATEGIES



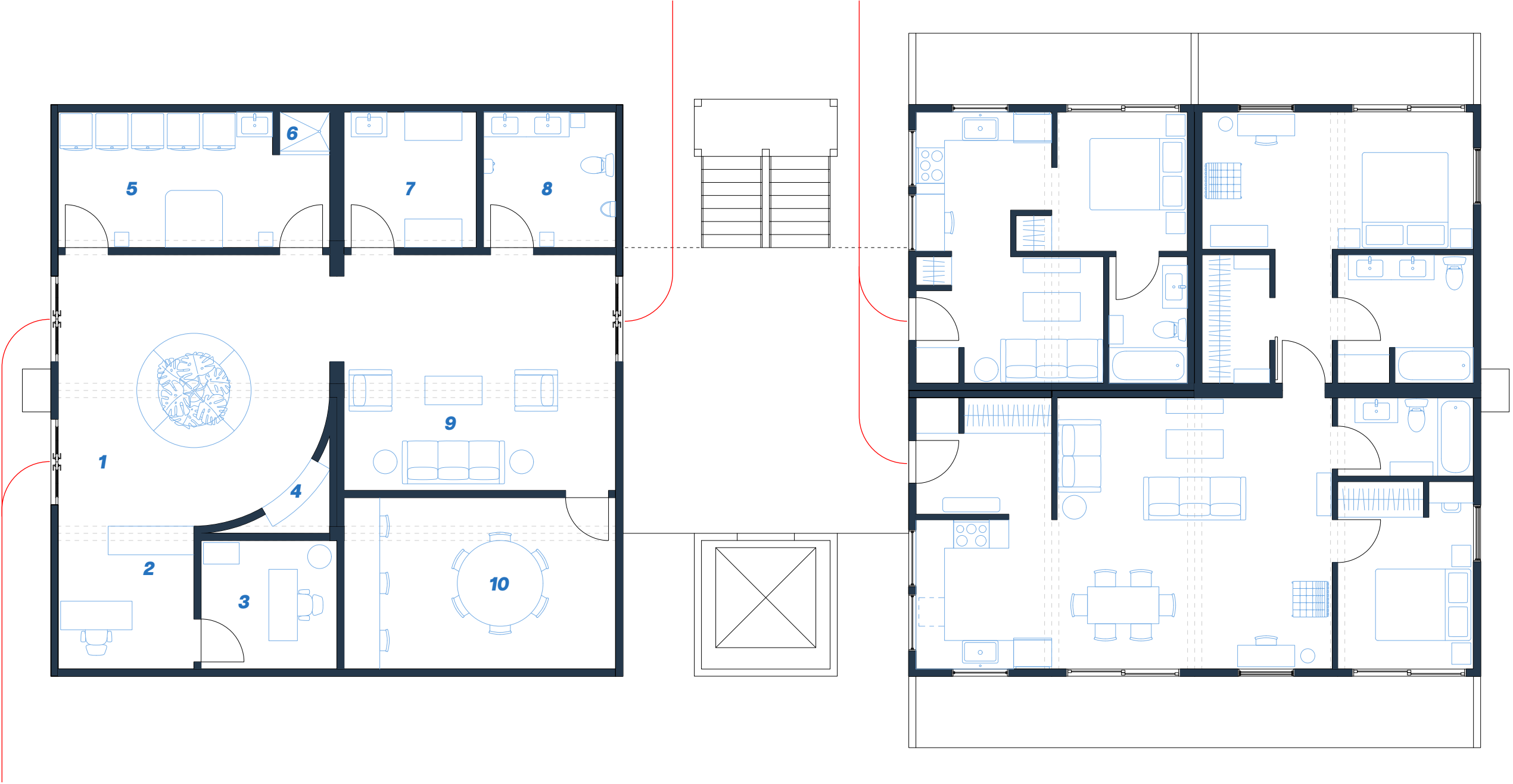
SOLUTIONS

-  **DECENTRALIZATION & SELF-SUFFICIENCY**
POWER, WATER, & FOOD GENERATION
-  **HEALTH AND WELLBEING**
NATURAL MATERIALS & COMMUNAL LIVING
-  **AFFORDABILITY**
ENERGY EFFICIENCY & PASSIVE STRATEGIES

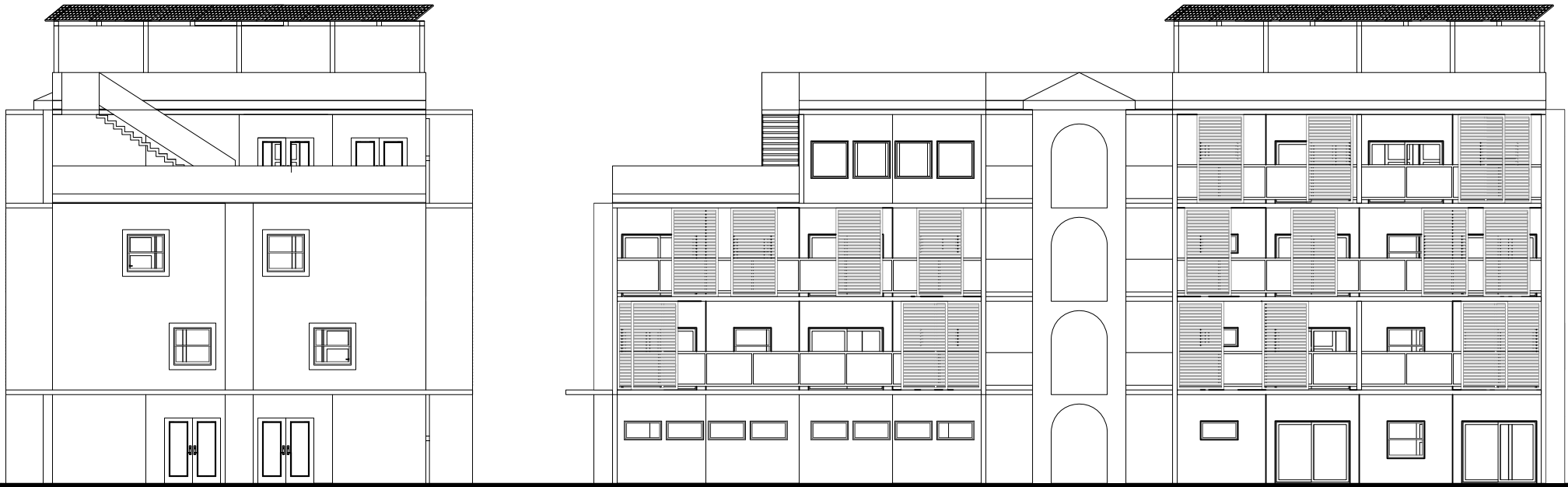
FLOOR PLANS

1ST FLOOR

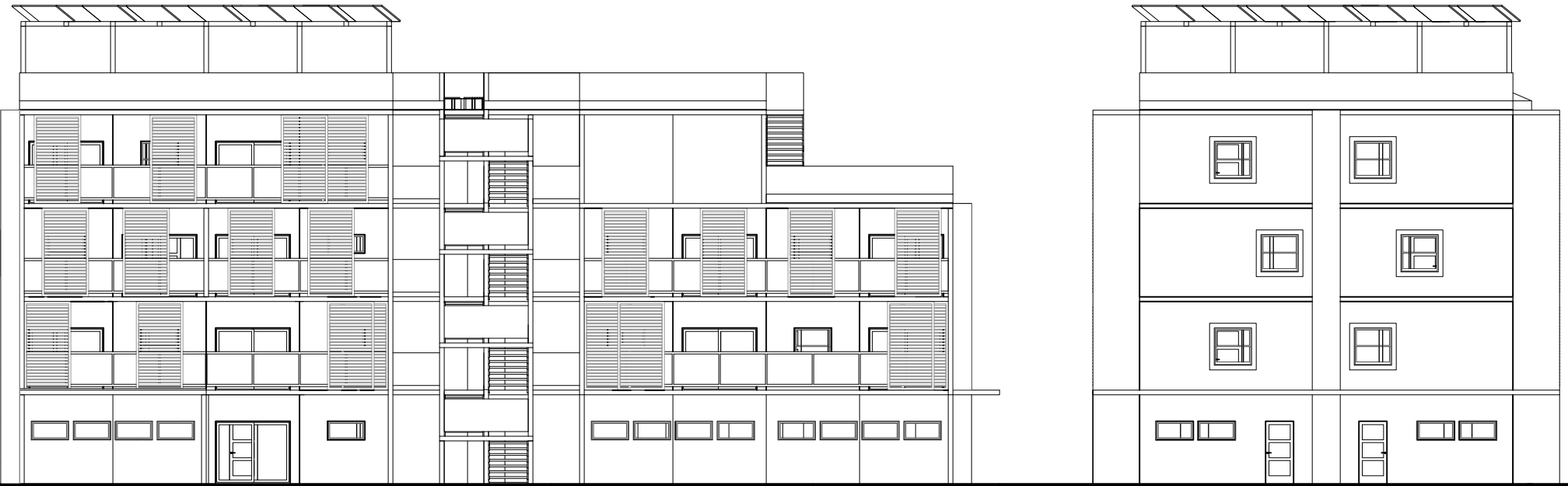
- 1 LOBBY
- 2 FRONT DESK
- 3 OFFICE
- 4 MAIL
- 5 LAUNDRY
- 6 DOG WASH
- 7 STORAGE
- 8 RESTROOM
- 9 LOUNGE
- 10 WORKSPACE



ELEVATION



FRONT / CHICAGO STREET



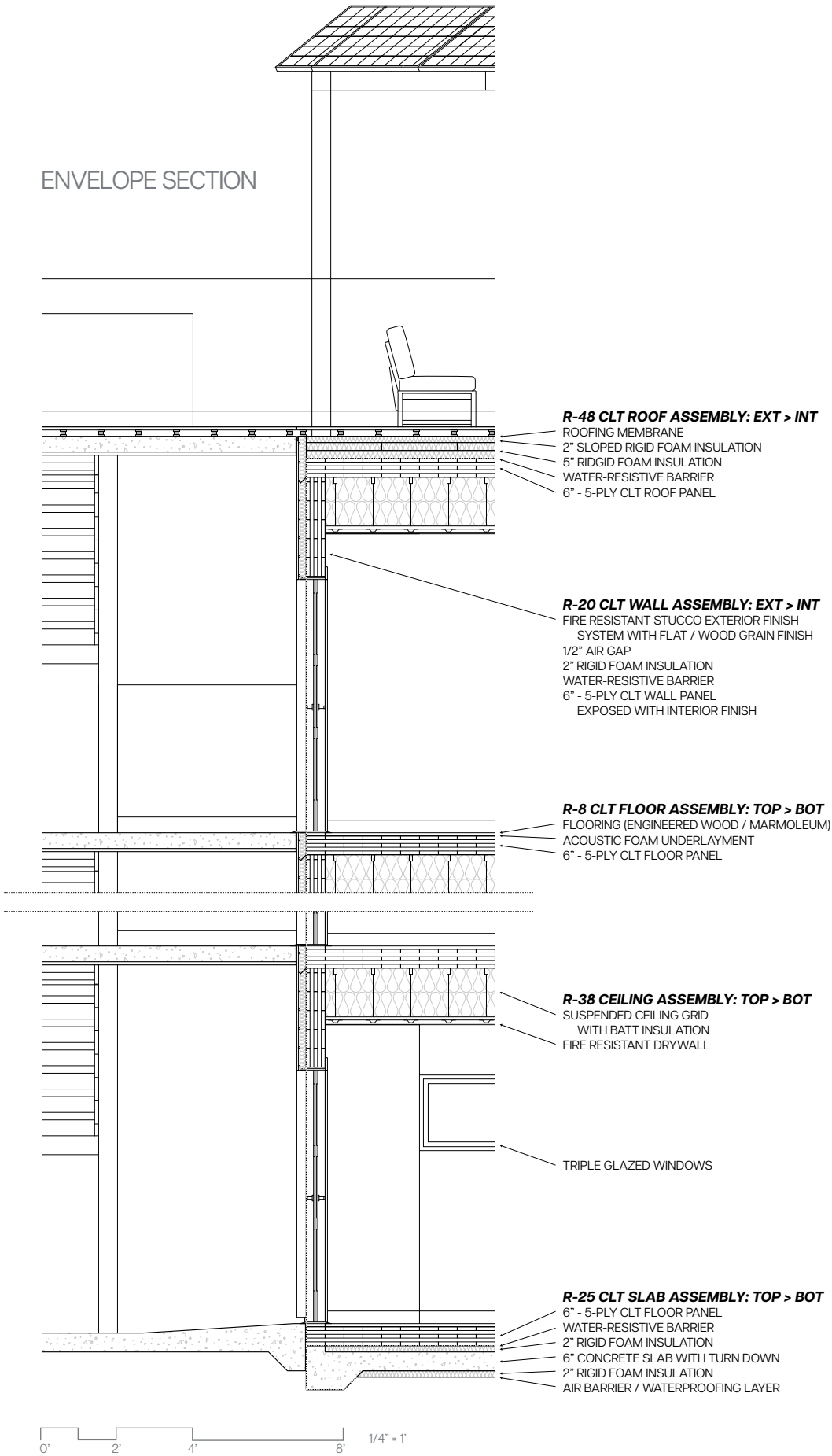
BACK / ST LOUIS STREET

BUILDING ENVELOPE & ASSEMBLY

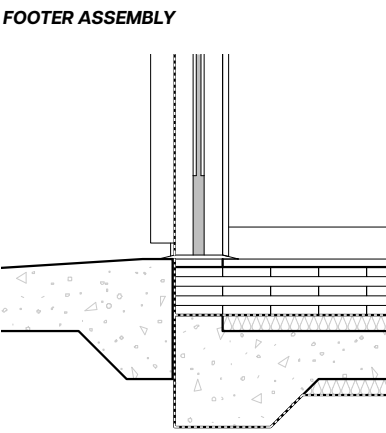
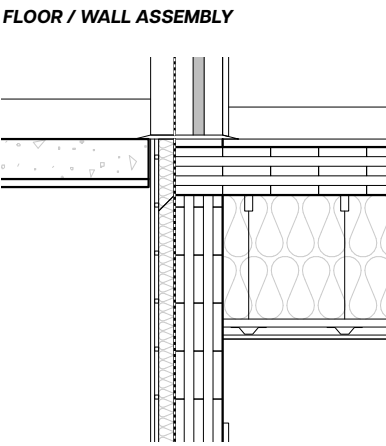
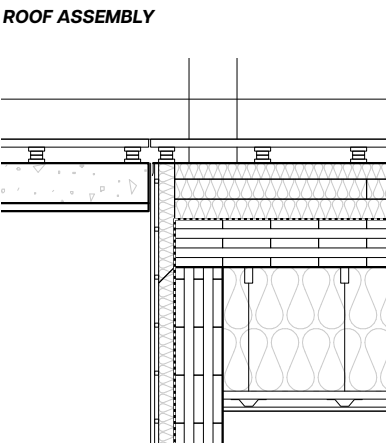
THERMAL ENVELOPE R-VALUE

IECC CODE - TABLE C402.1.3

ROOFS	R-VALUE
INSULATED ENTIRELY ABOVE ROOF DECK	R-25ci
ATTIC AND OTHERS	R-38
WALLS	
ABOVE GRADE - WOOD FRAMED AND OTHER	R-13 + R-3.8ci or R-20
FLOORS	
MASS	R-10ci
JOIST / FRAMING	R-30



SECTION DETAILS



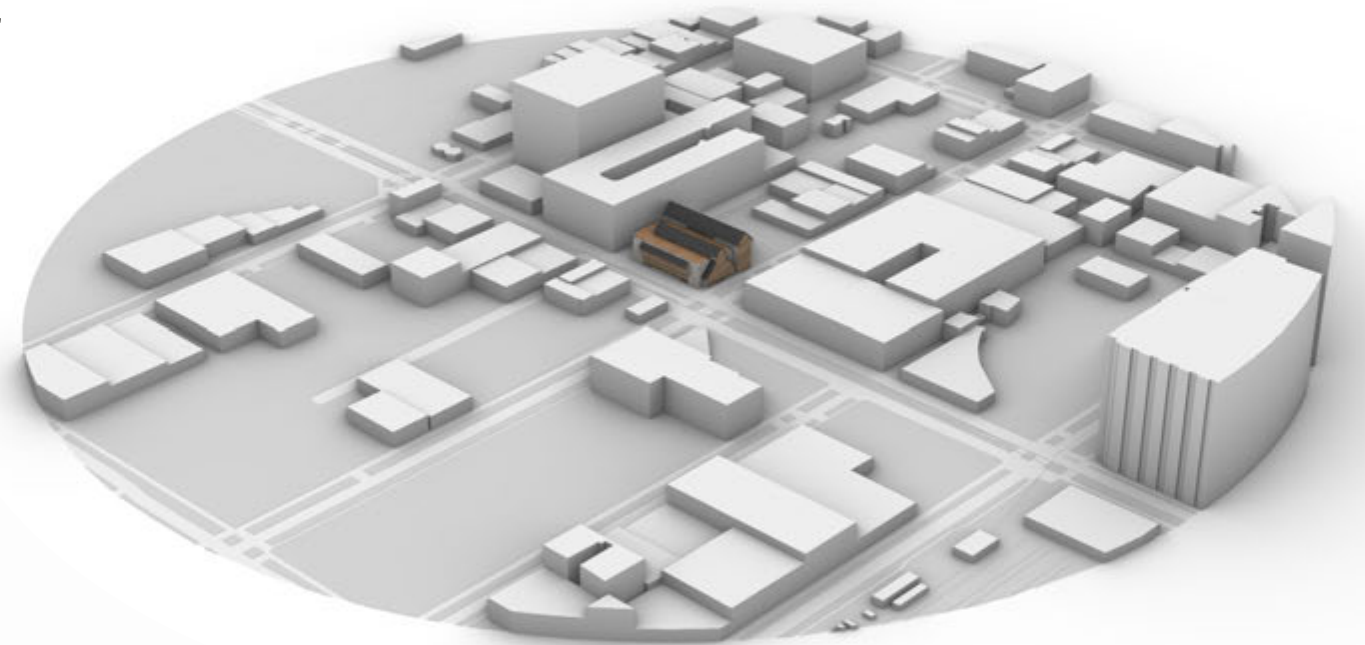
SECTION PERSPECTIVE

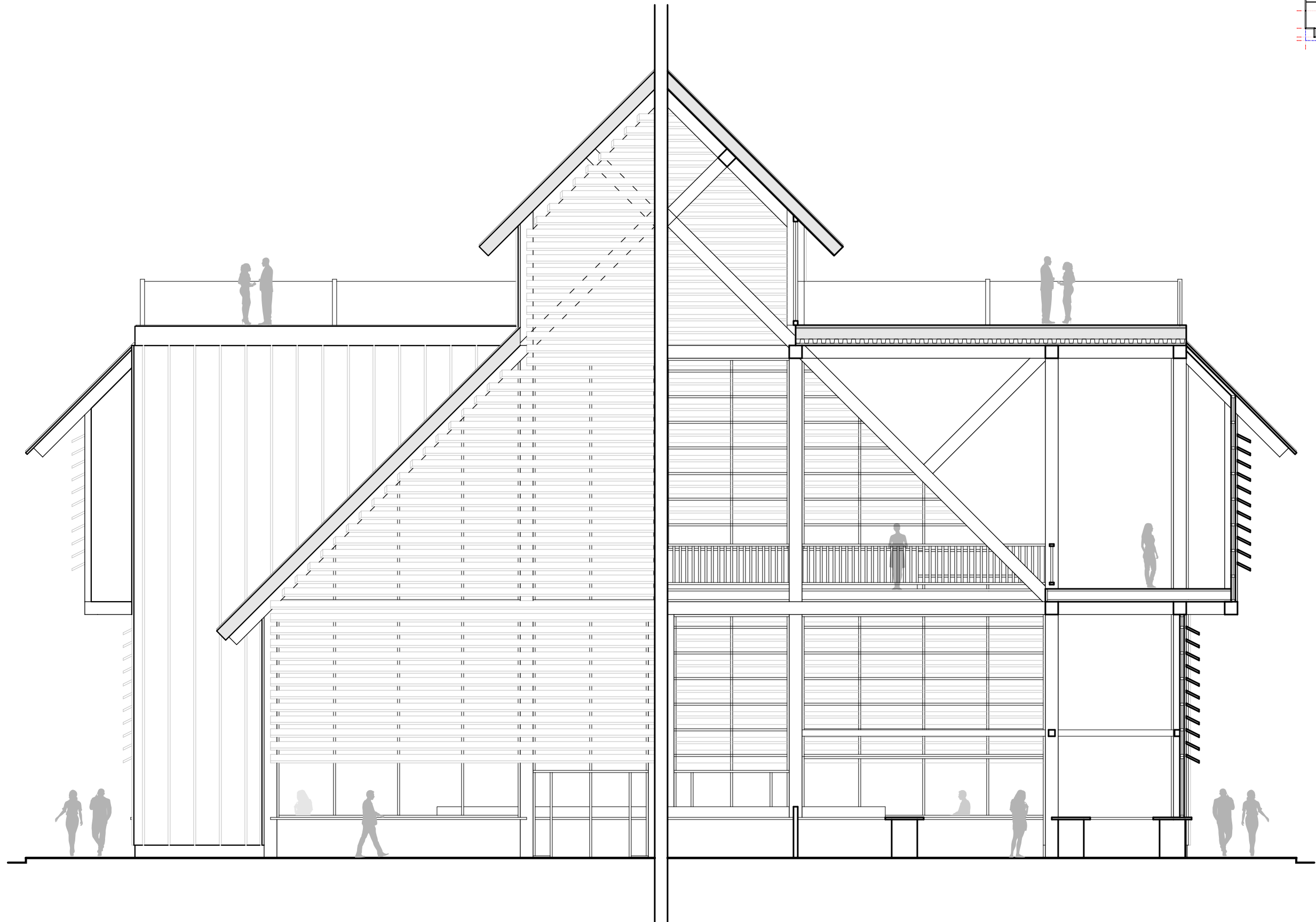
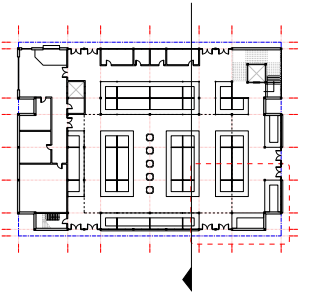


FRONT / CHICAGO STREET

SoMa MARKETPLACE

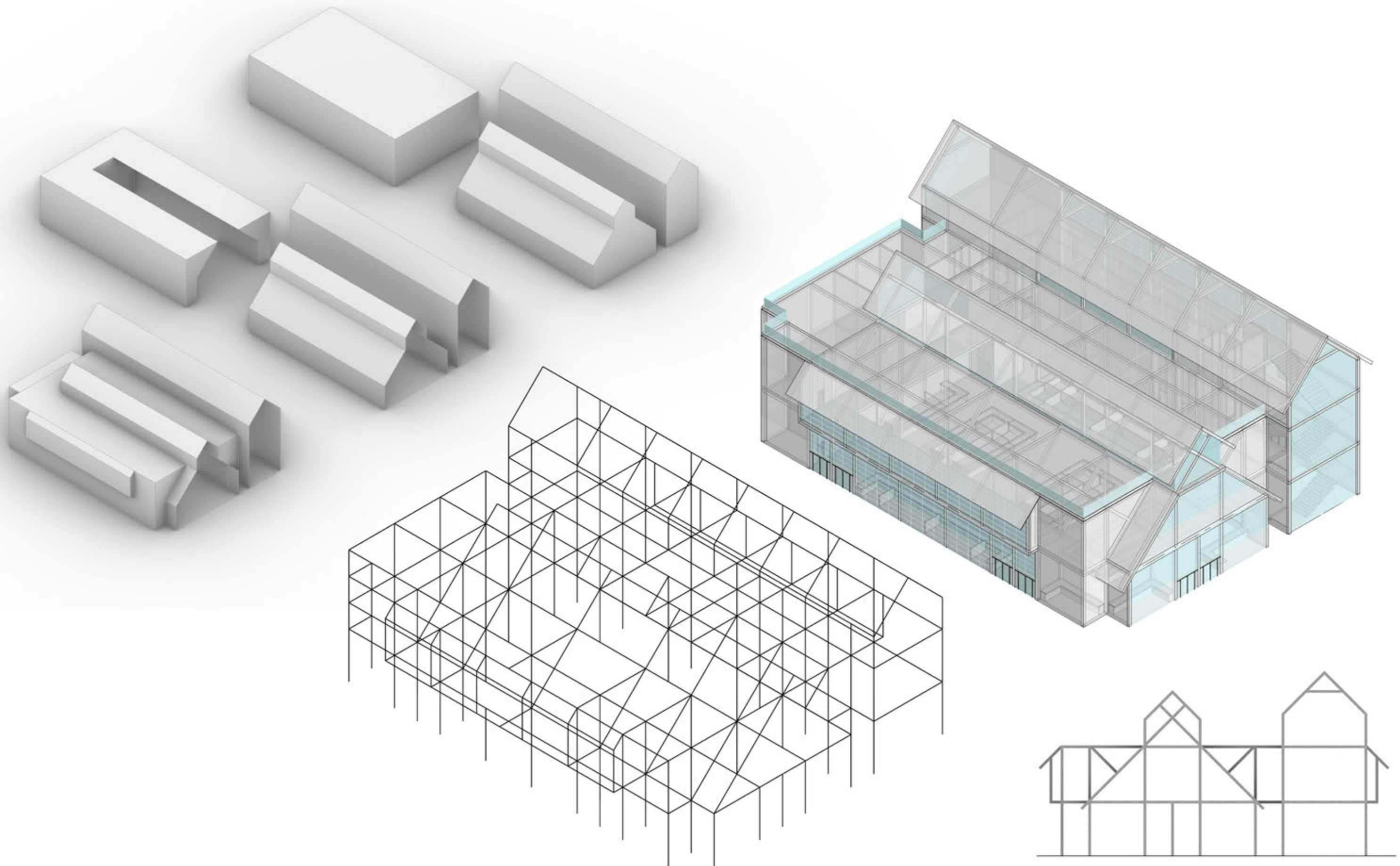
San Francisco Market and Community Center - 4th Street & Brannan Street



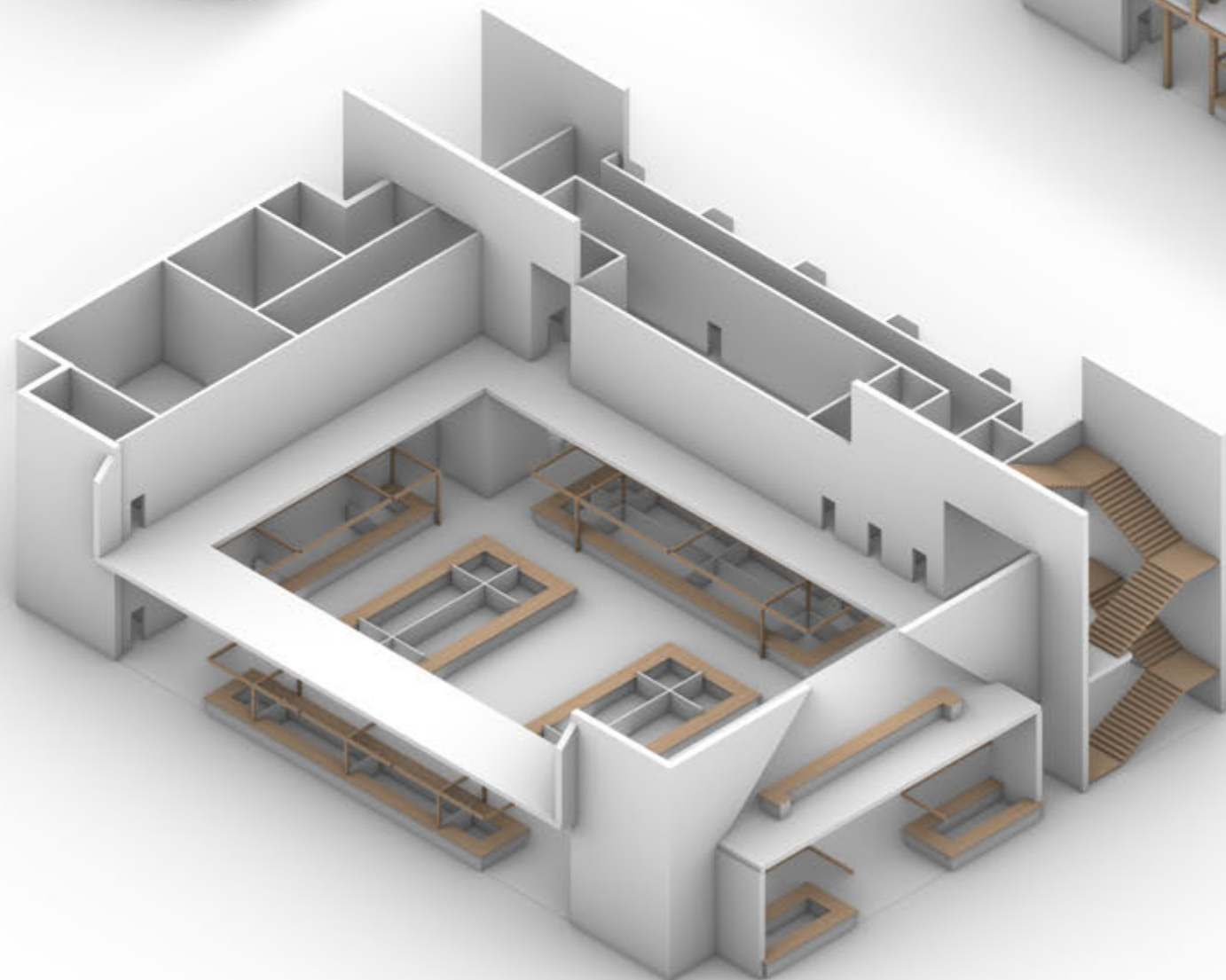
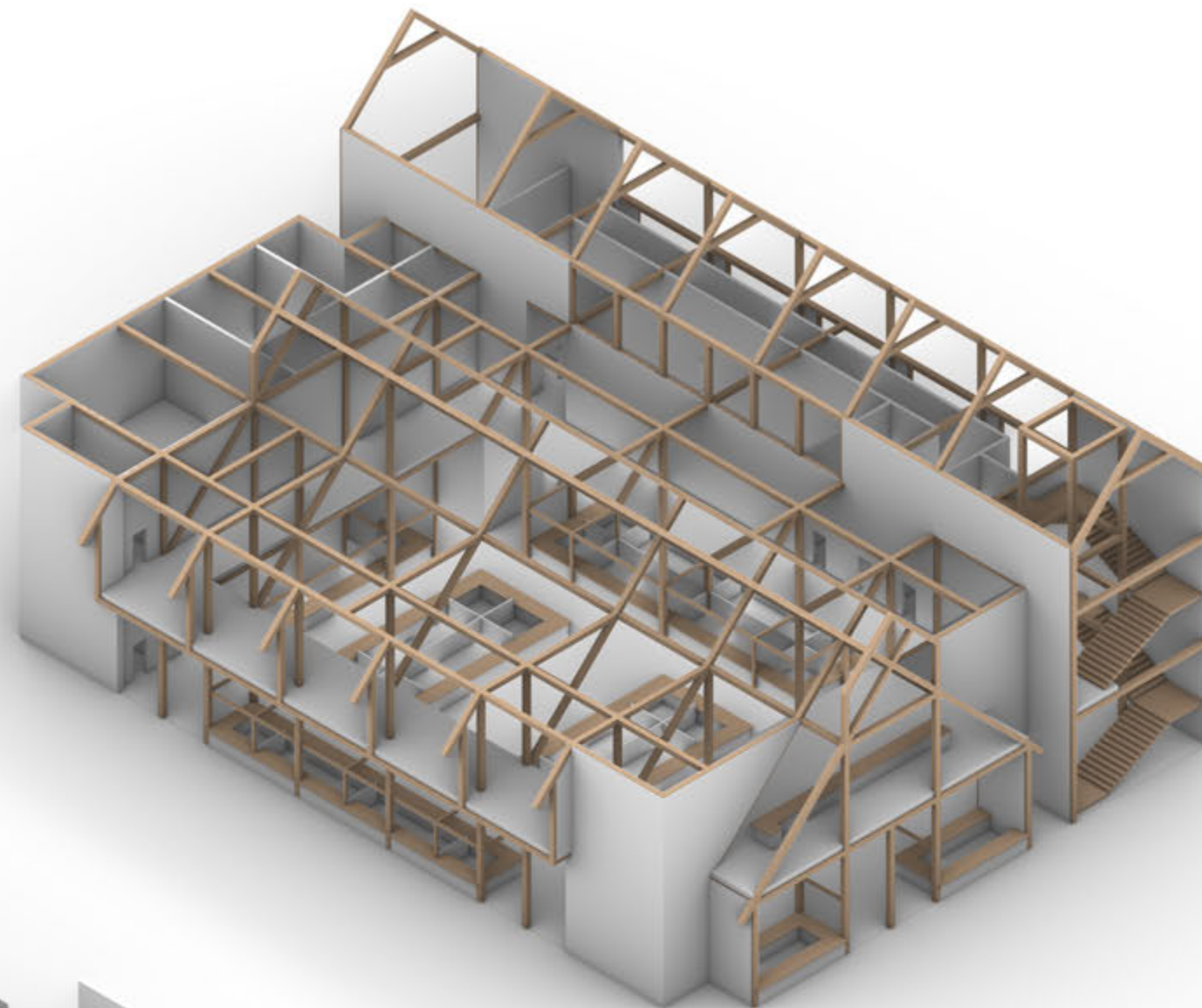
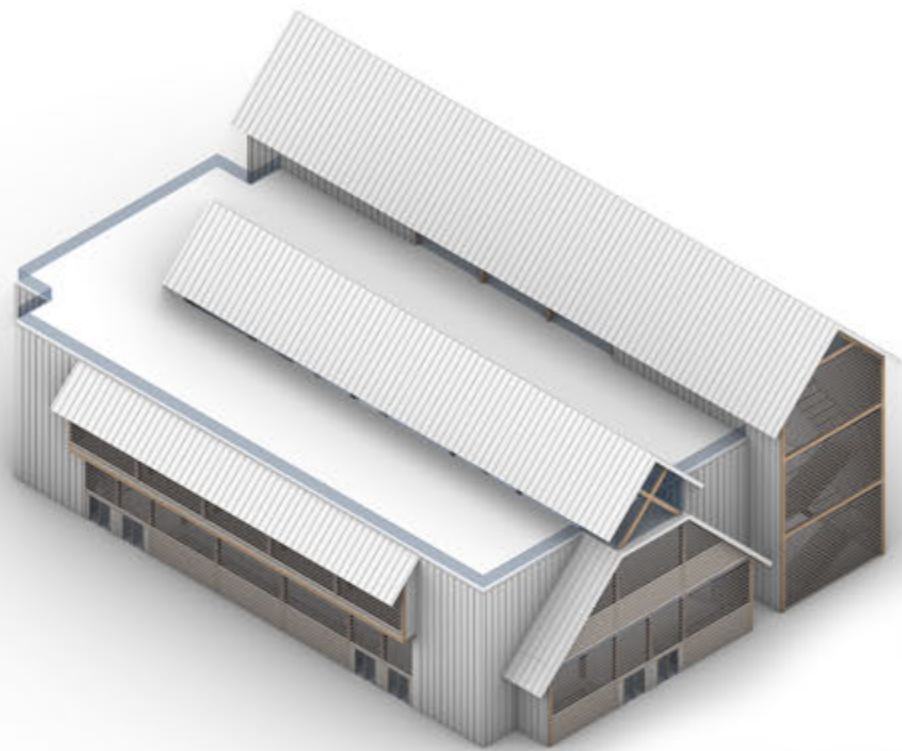


BUILDING ENCLOSURE DETAIL - SE ELEVATION / NW SECTION

0' 4' 8' 16' 1/8" = 1'



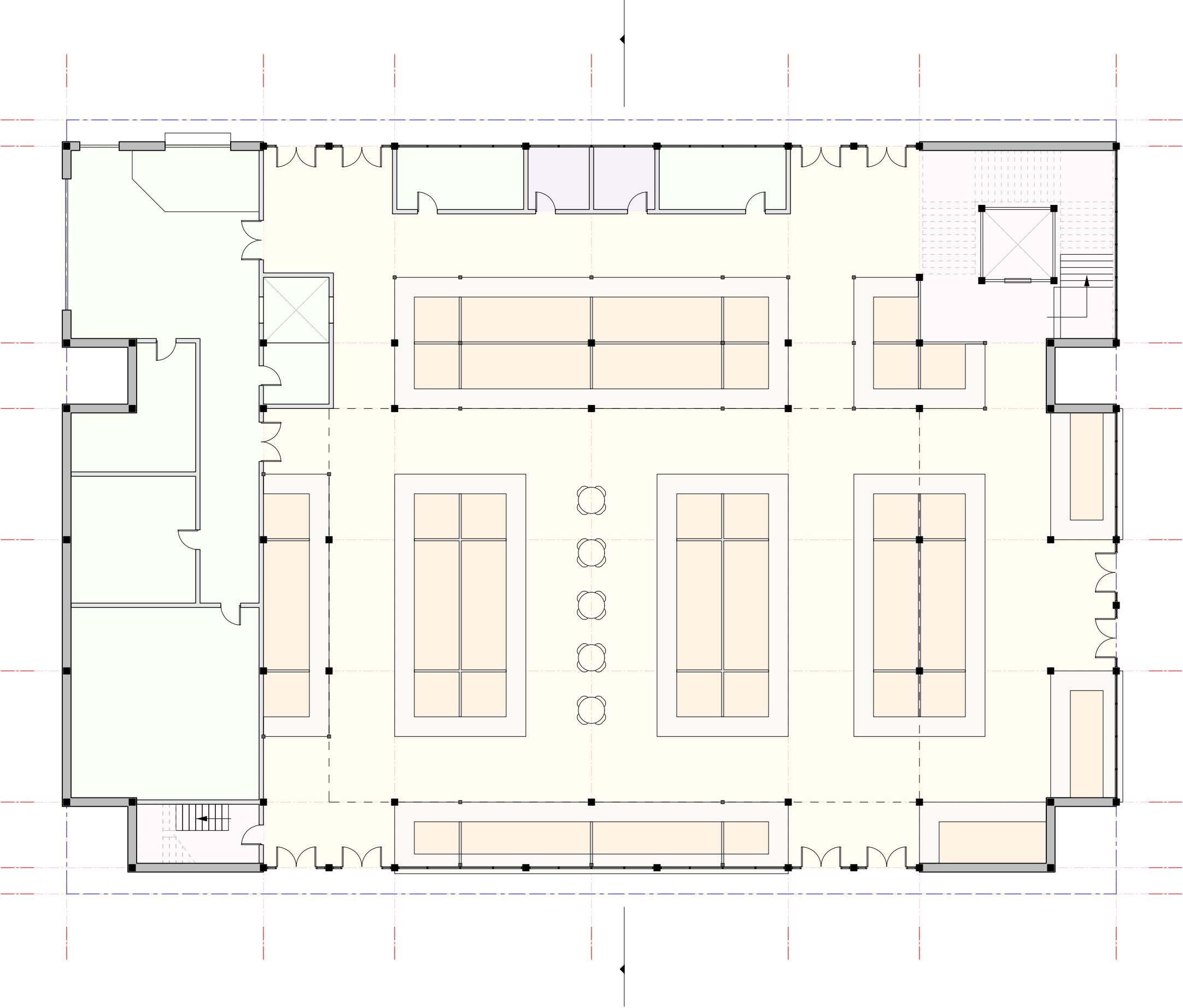
3D DEVELOPMENT - MASSING & STRUCTURE



3D DEVELOPMENT - MASSING & STRUCTURE

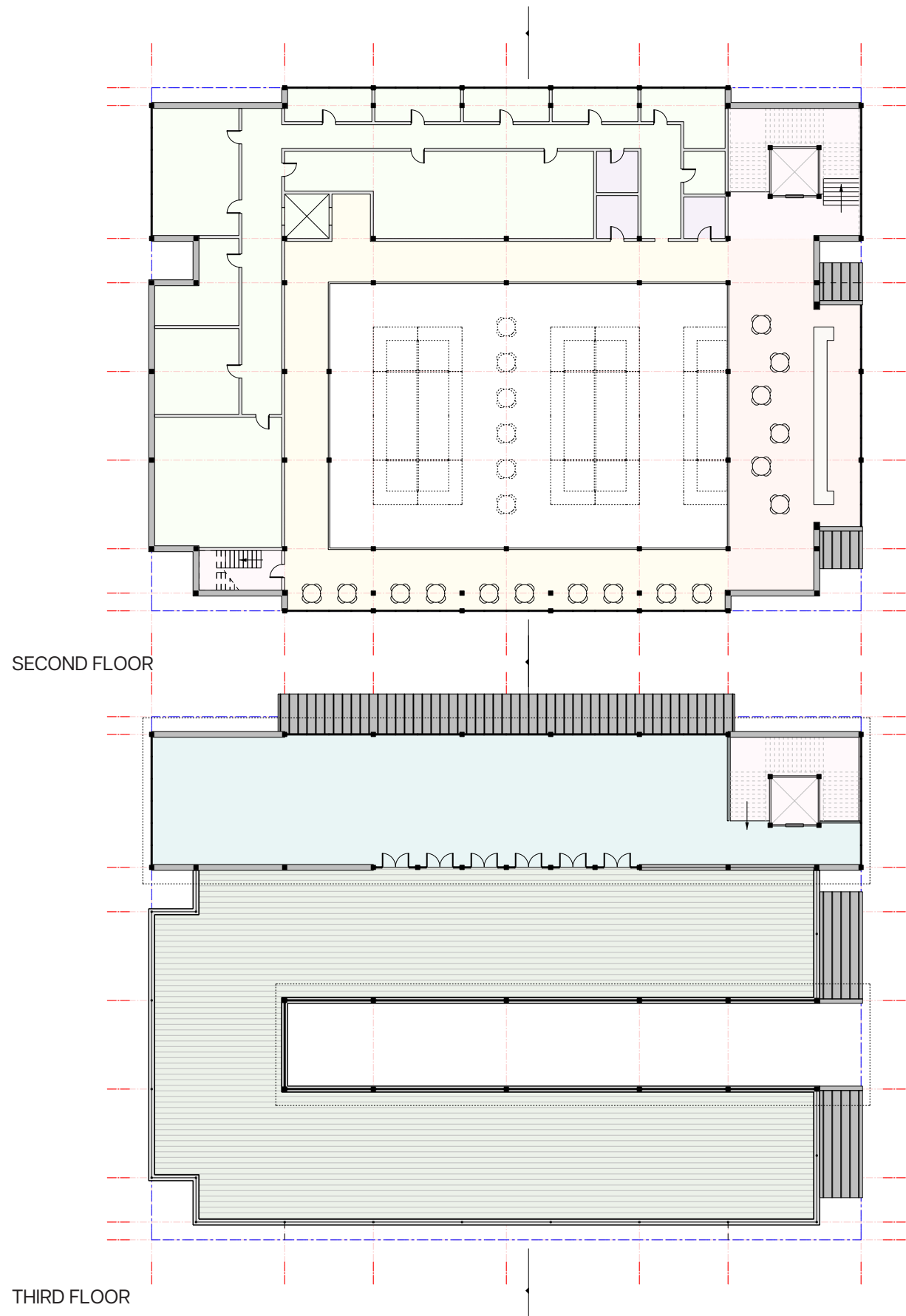
LEGEND:

- MARKET HALL
- MARKET STALLS
- VERTICAL CIRCULATION
- RESTROOMS
- SERVICE
- 1 LOADING
- 2 REFUSE
- 3 FOOD STORAGE
- 4 COLD STORAGE
- 5 MECHANICAL
- 6 CLEANING
- 7 OFFICE



FIRST FLOOR PLAN

0' 2' 8' 16' 32' 1/16" = 1'



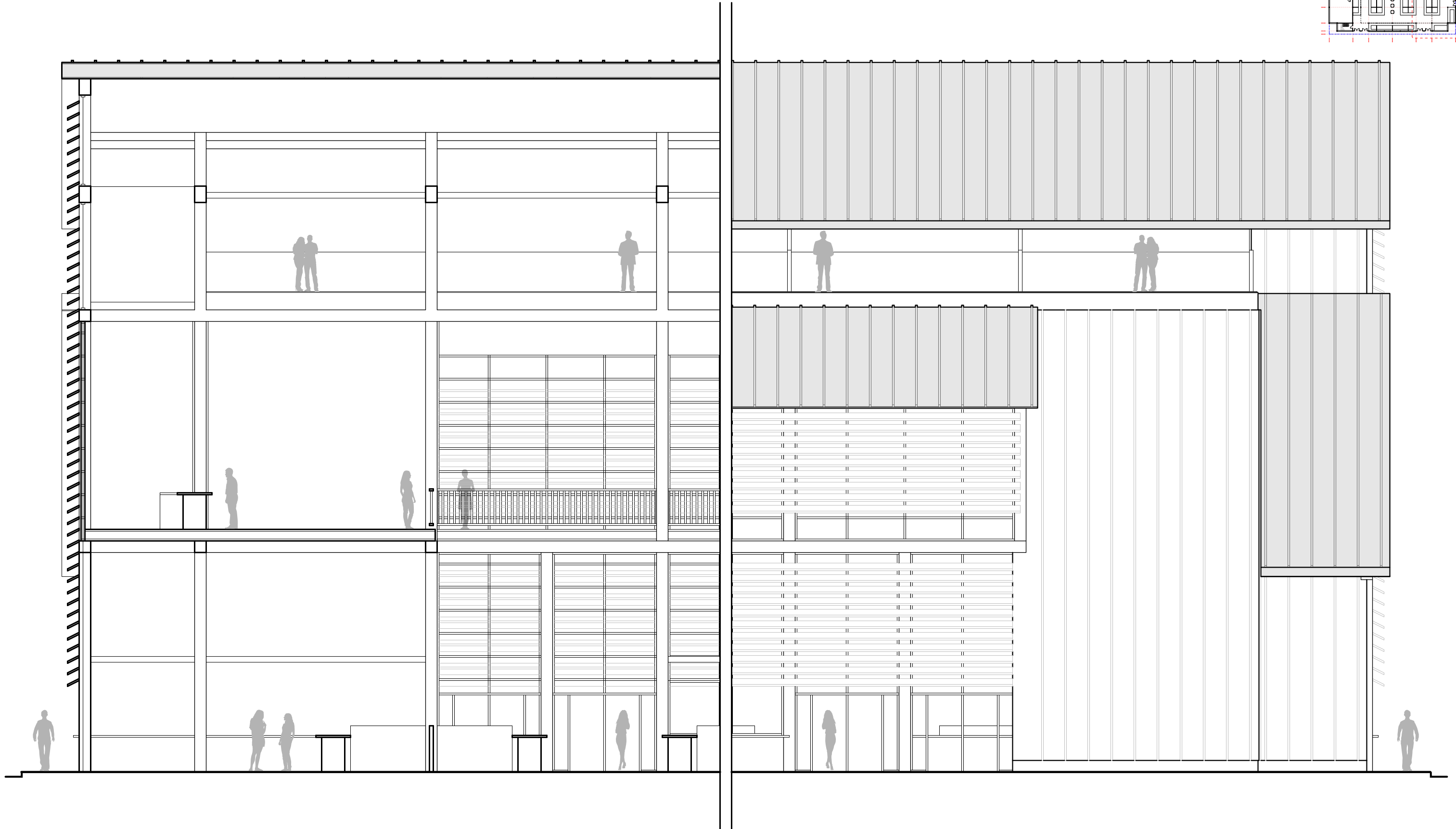
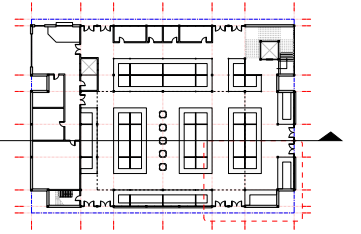
FLOOR PLANS / SECTION



LEGEND:

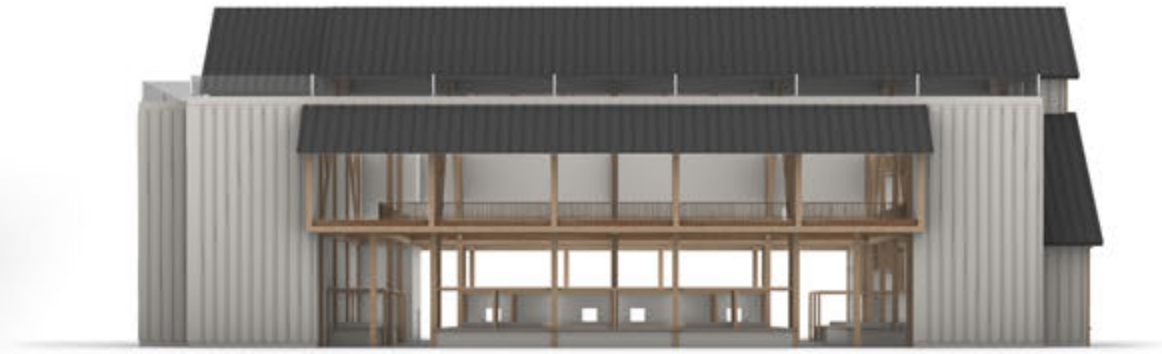
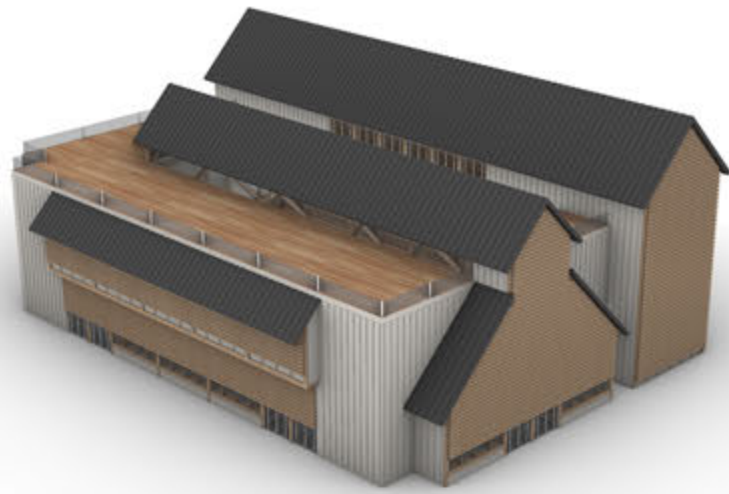
- MARKET HALL
- MARKET STALLS
- VERTICAL CIRCULATION
- RESTROOMS
- SERVICE
- COMMUNITY FACILITY
- ROOFTOP GARDEN





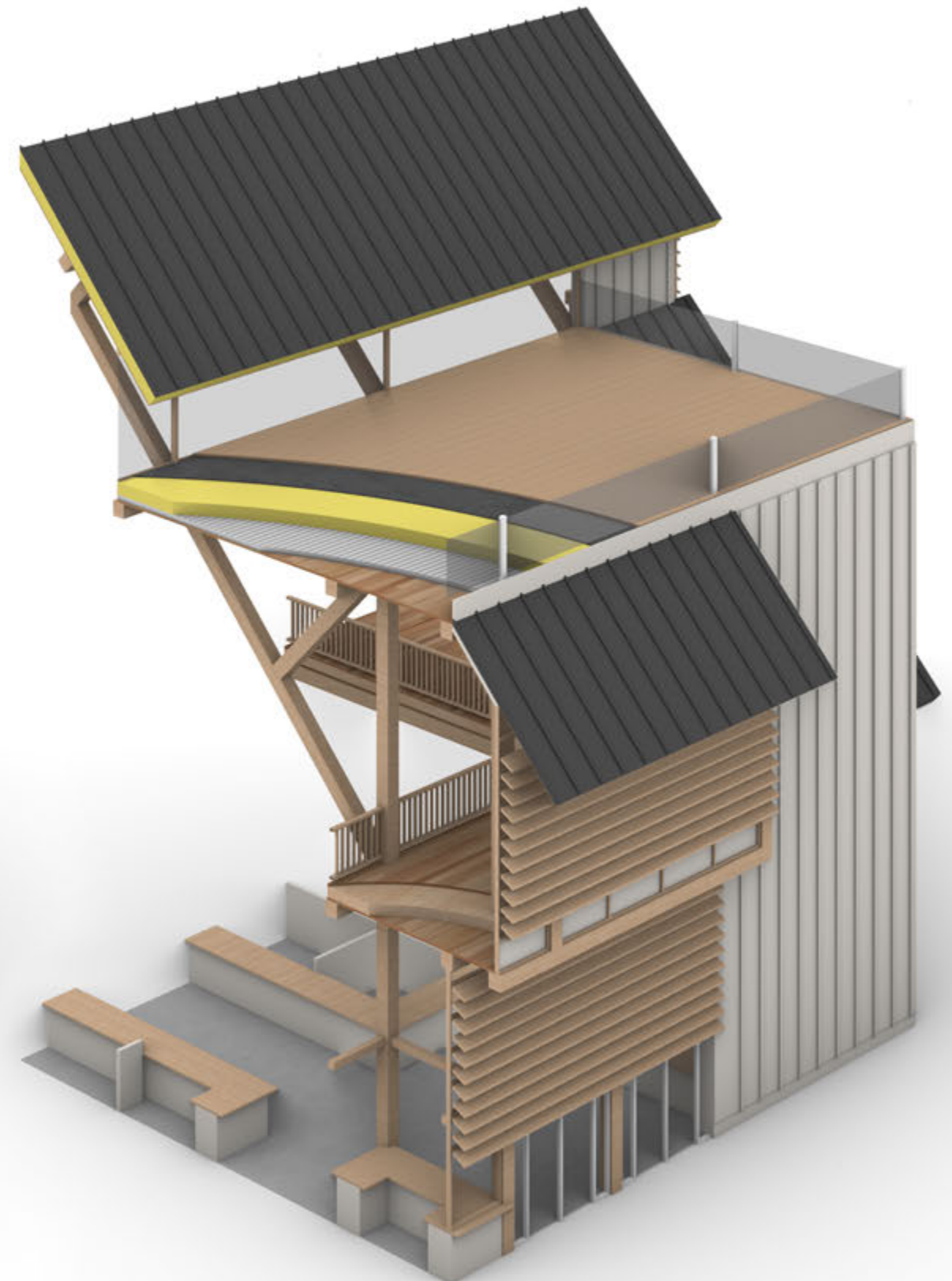
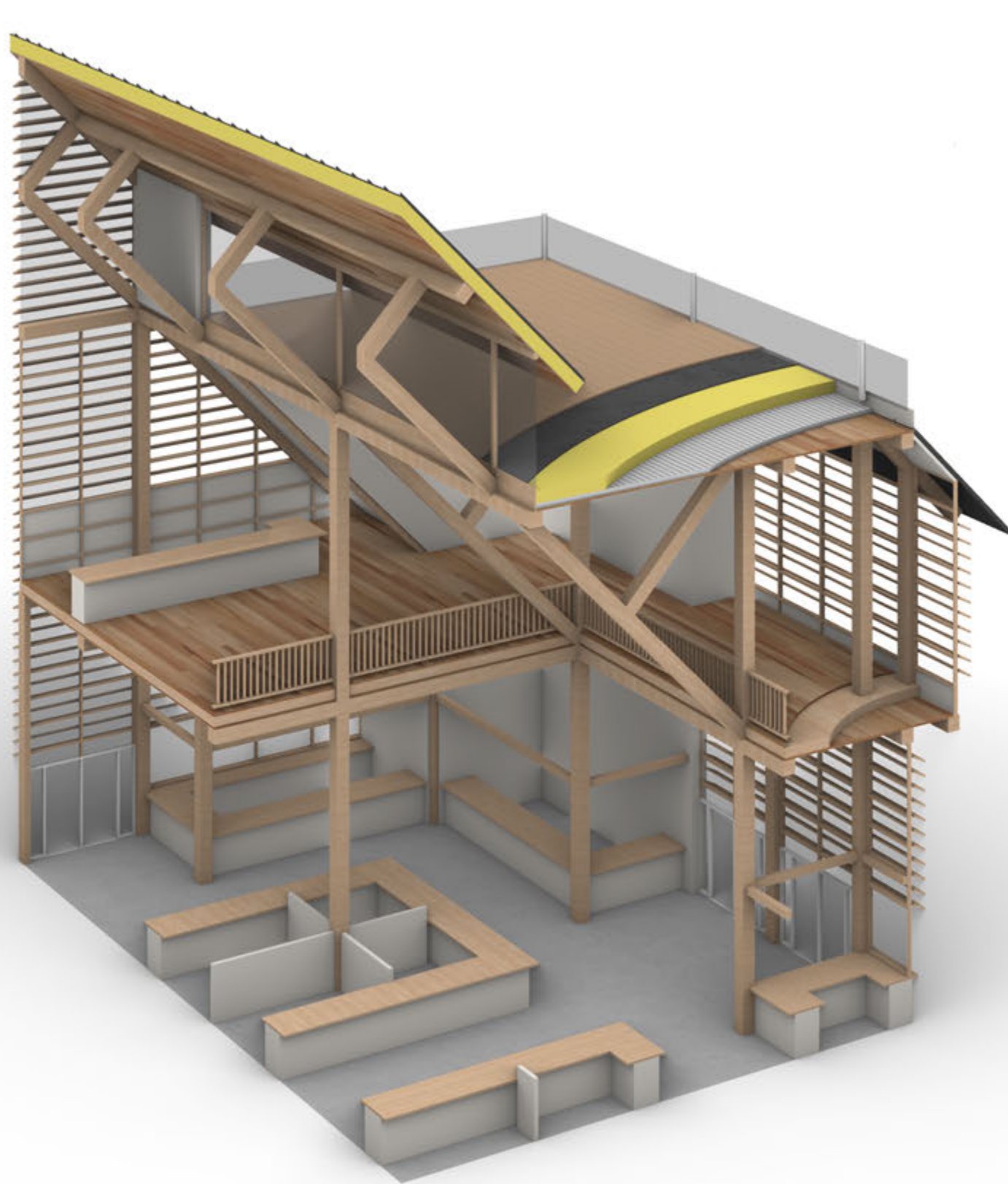
BUILDING ENCLOSURE DETAIL - NE SECTION / SW ELEVATION

0' 4' 8' 16' 1/8" = 1'



VISUALIZATION - EXTERIOR RENDERS



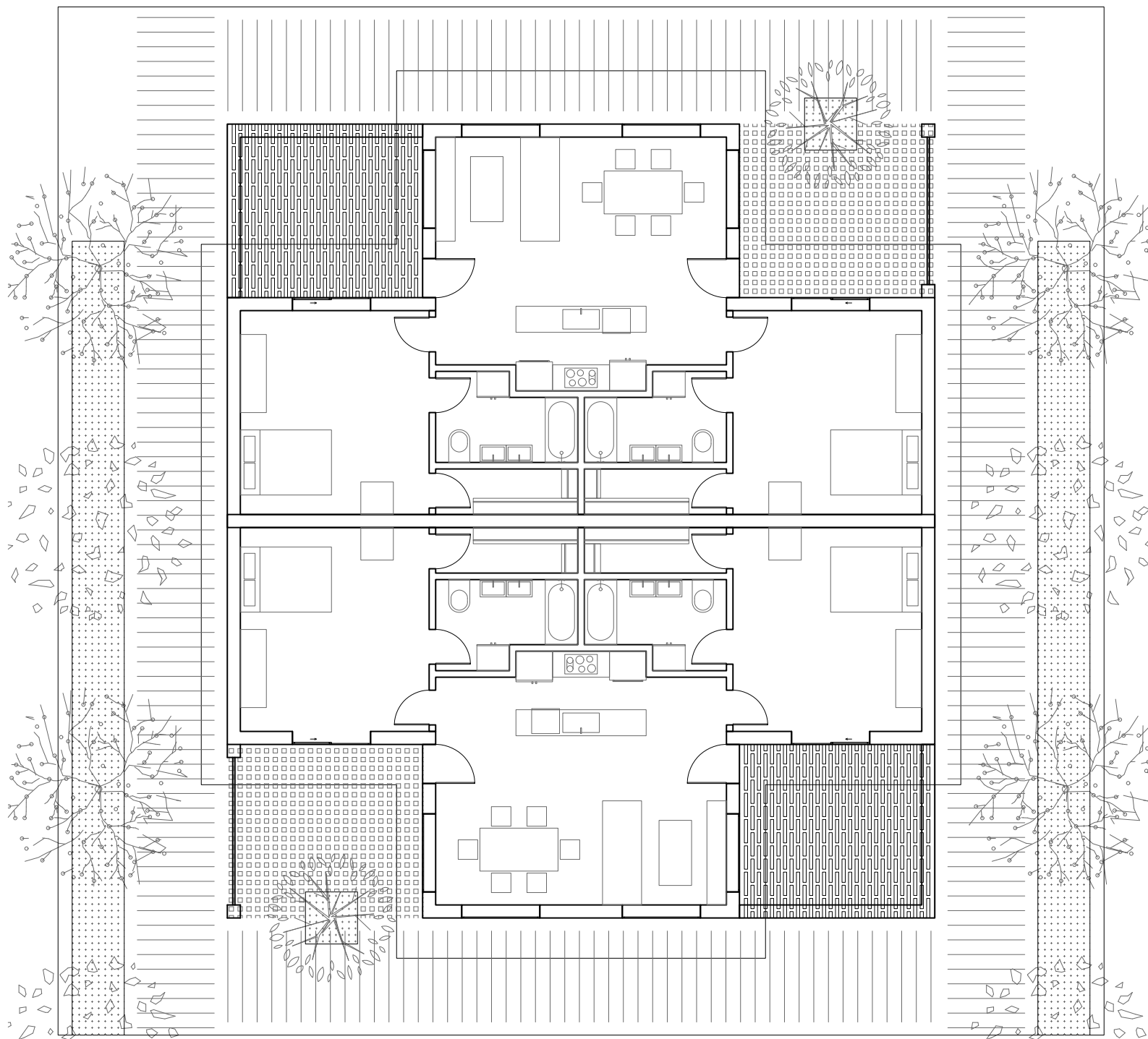


BUILDING ENCLOSURE DETAIL - 3D BUILD UP

URBAN FARMING COMMUNITY

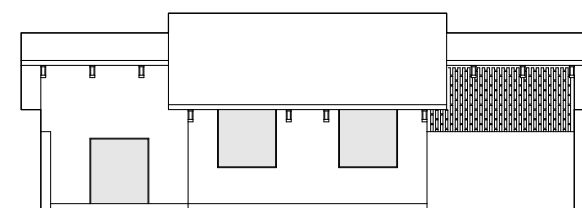
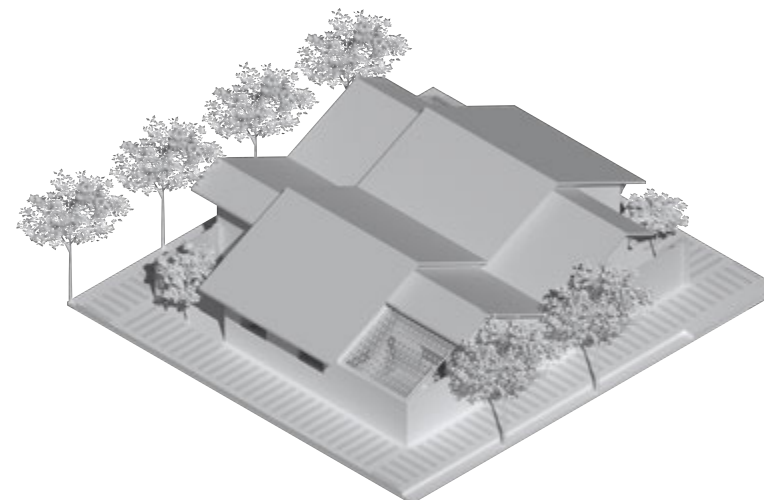
Phoenix, Arizona - South Central Avenue & East Olympic Drive

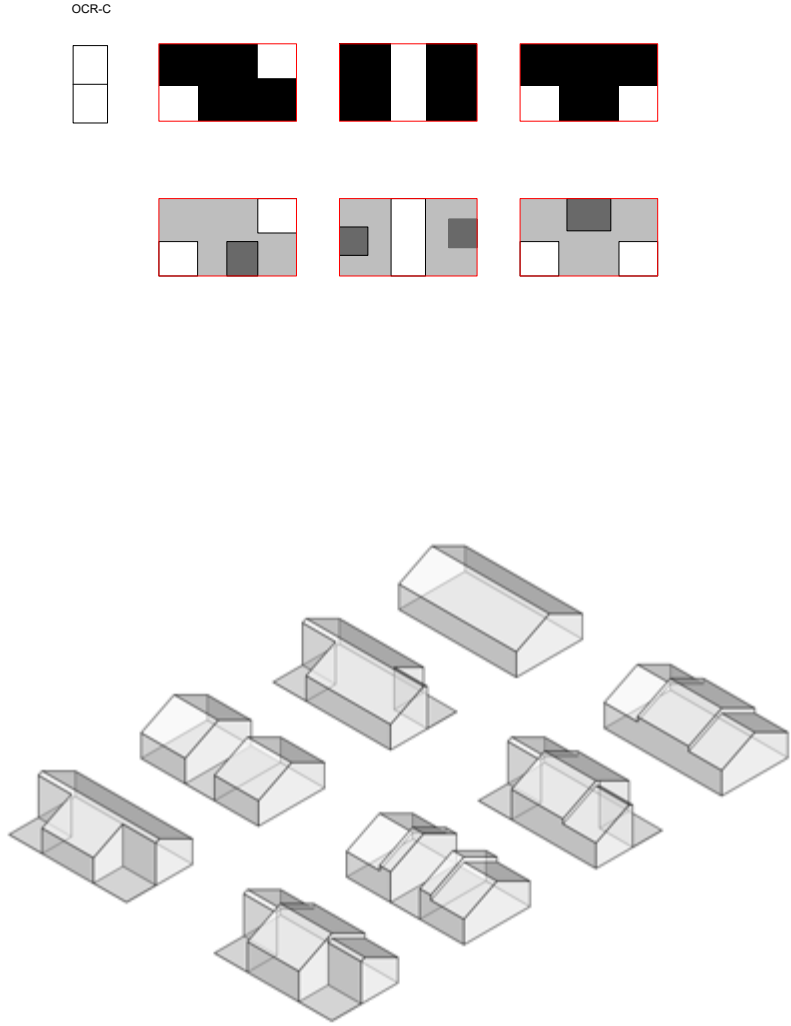




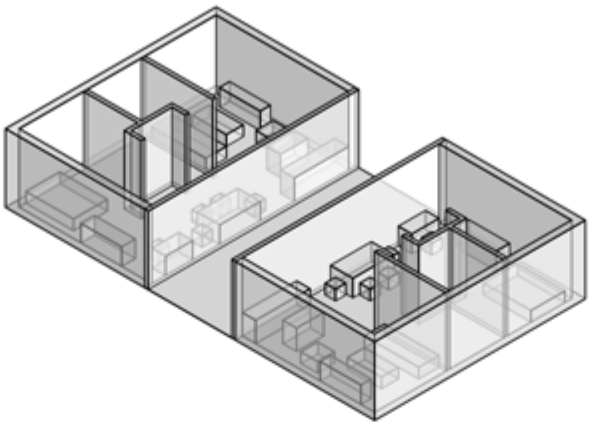
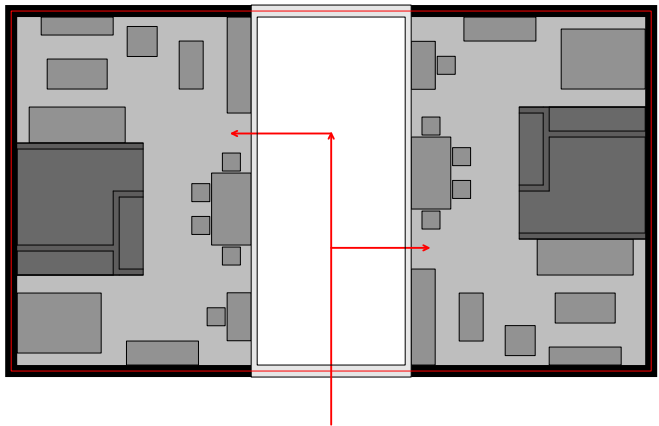
0' 1' 3' 9' 18'

3/32" = 1'

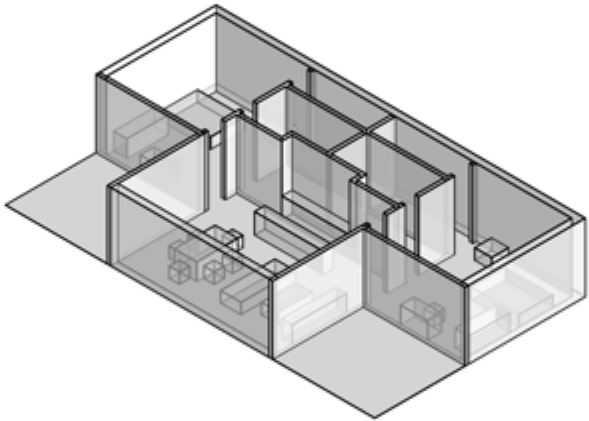
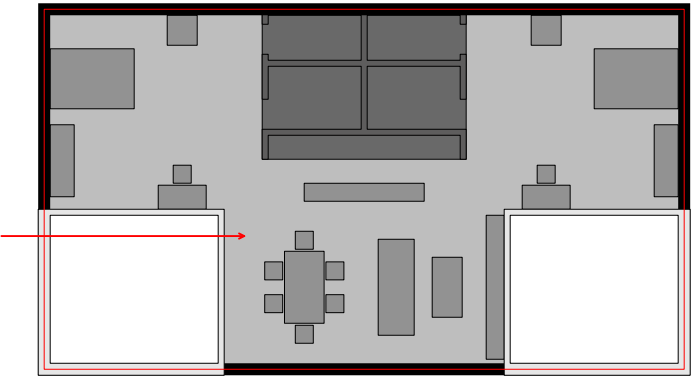




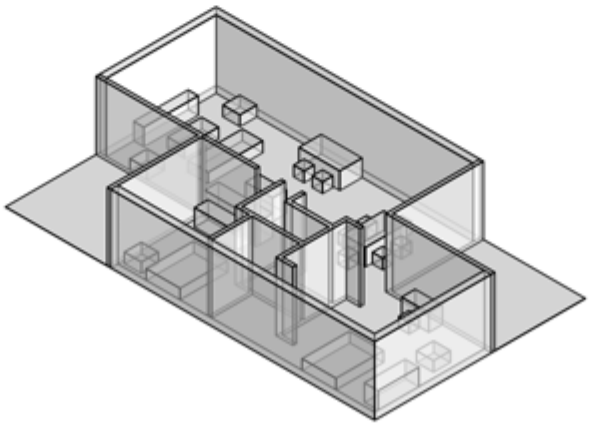
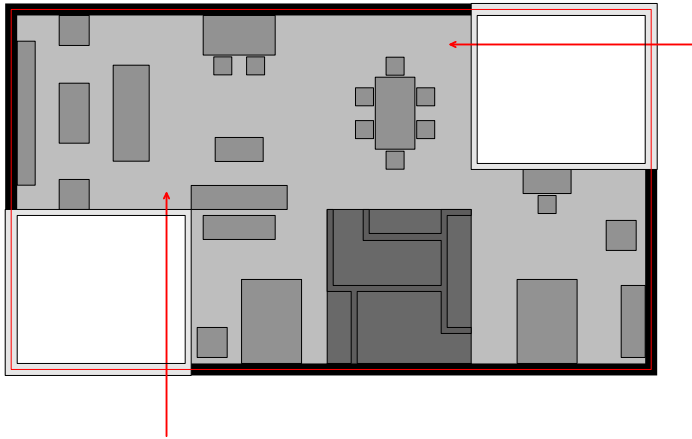
UNIT A



UNIT B



UNIT C



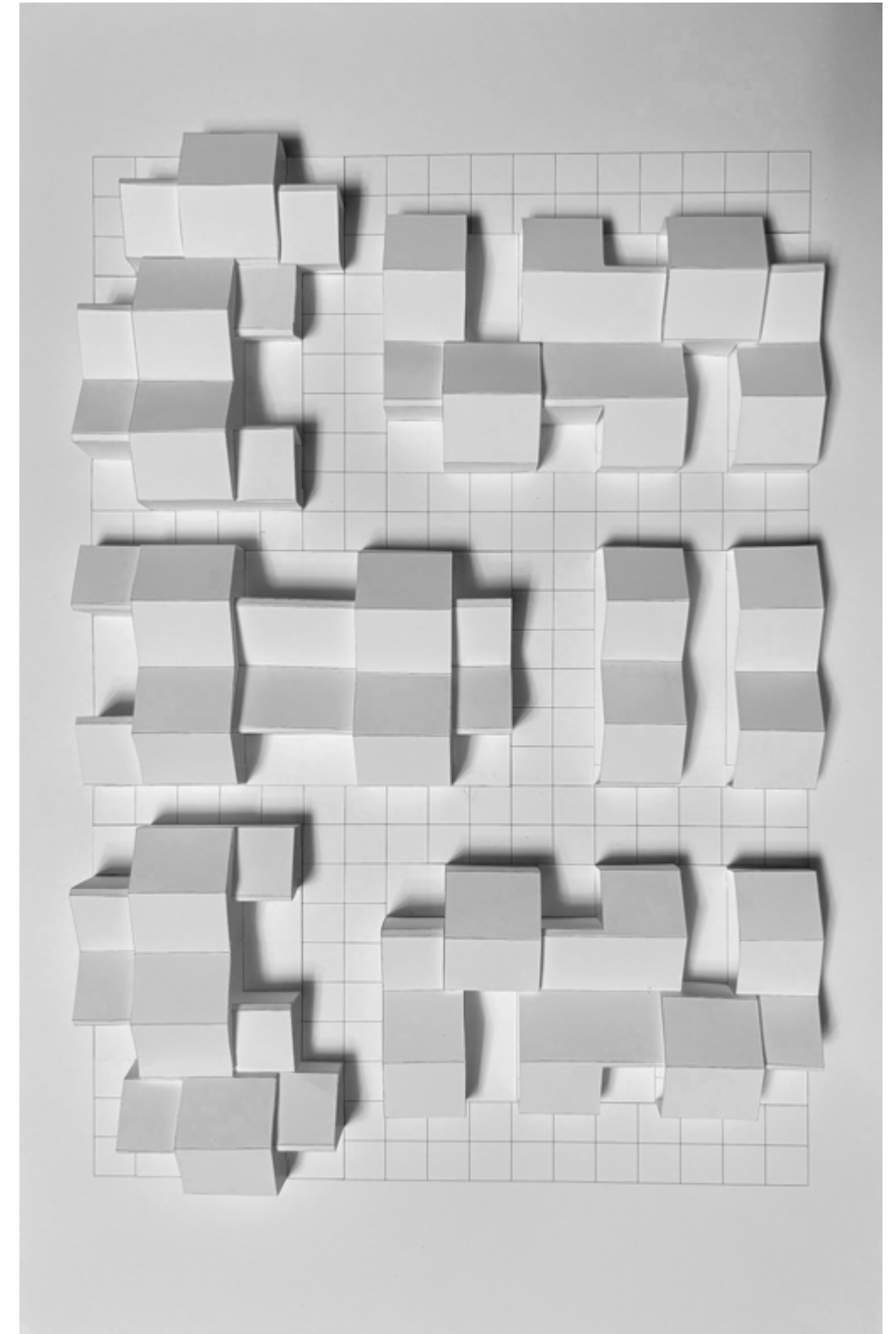
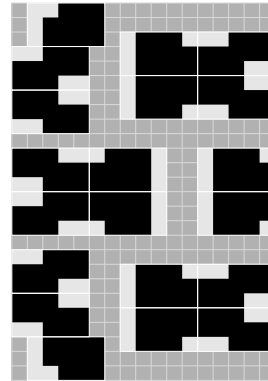
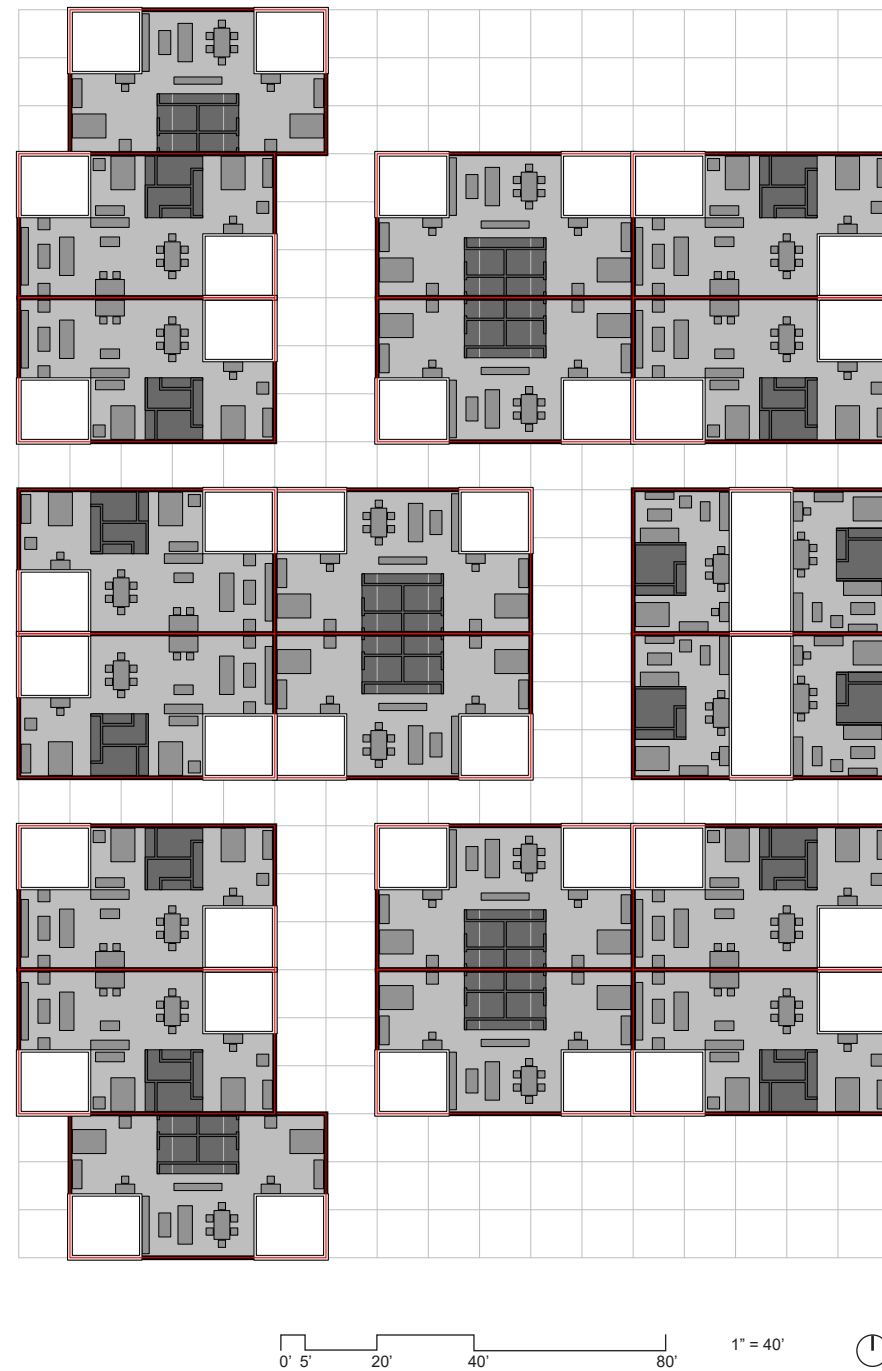
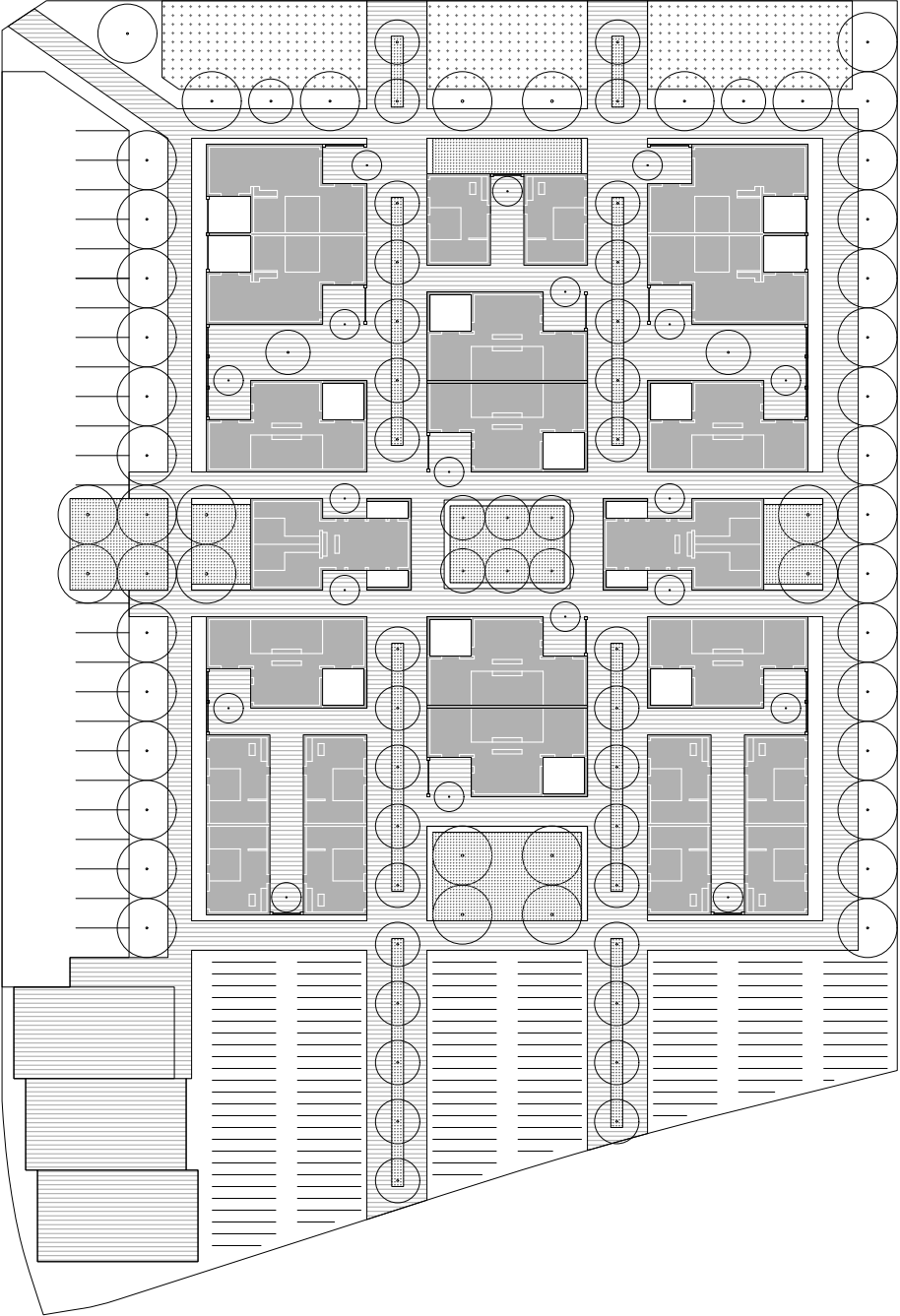
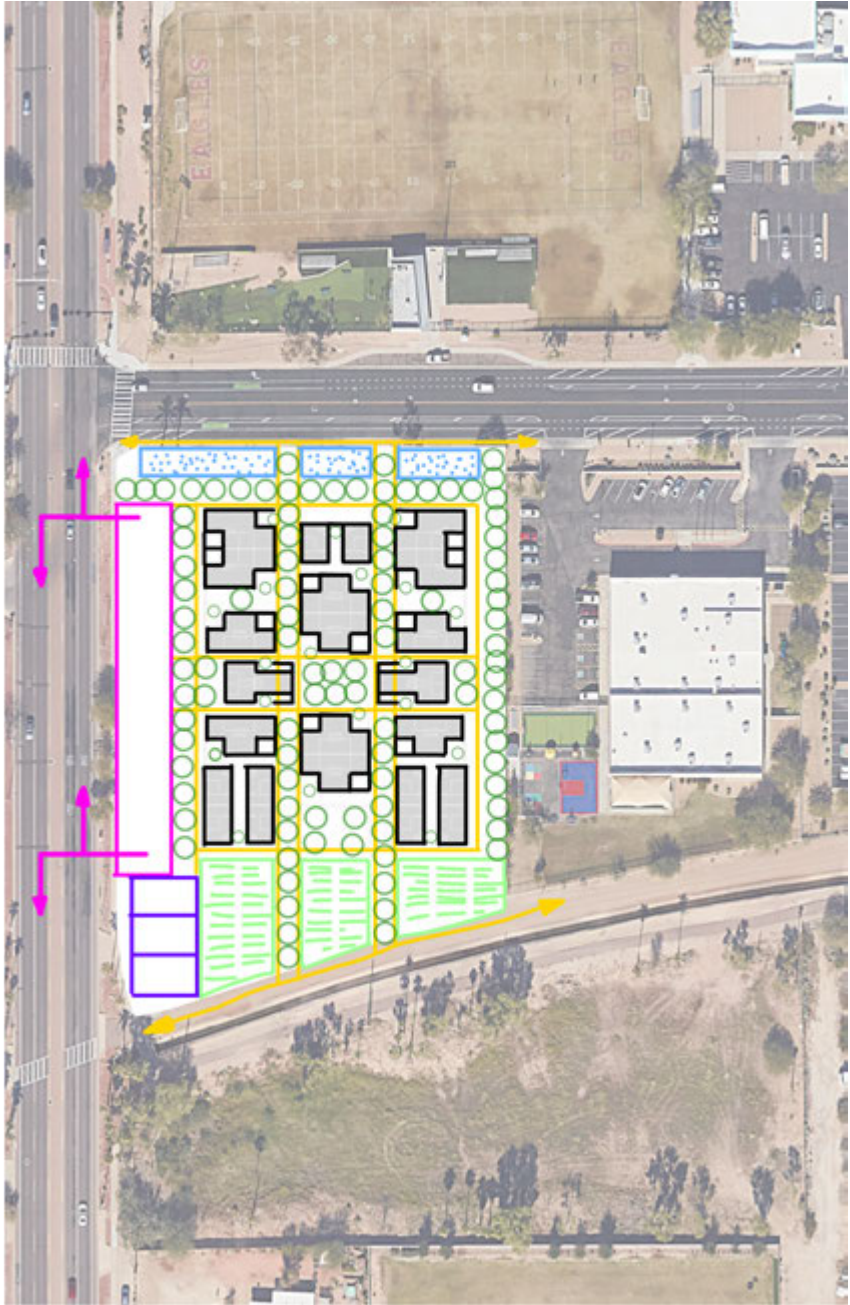


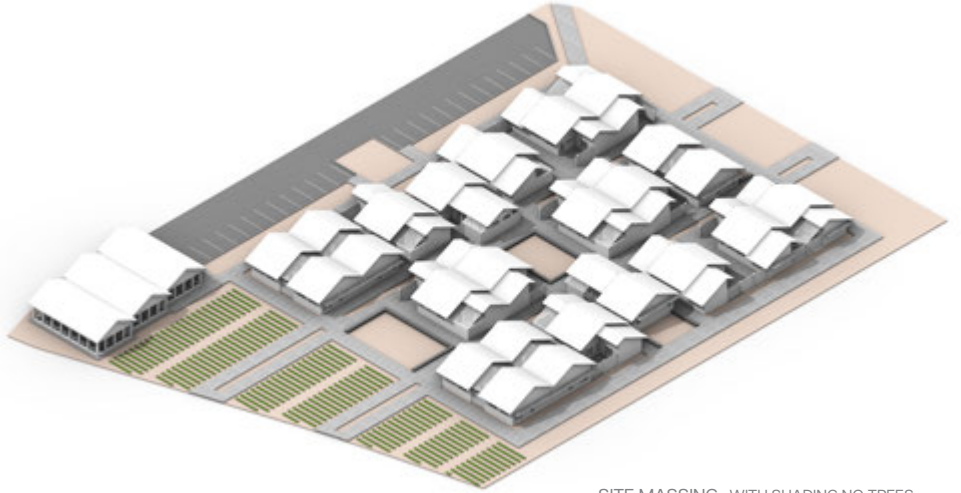
FIGURE GROUND - COMMON SPACE DEVELOPMENT



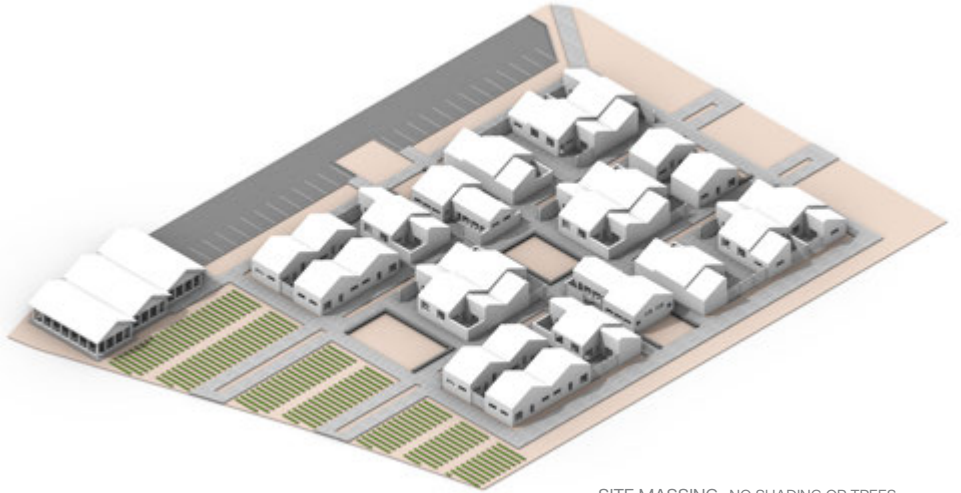
0' 16' 32' 64' 128' 1/64" = 1' N



SITE MASSING_WITH SHADING AND TREES

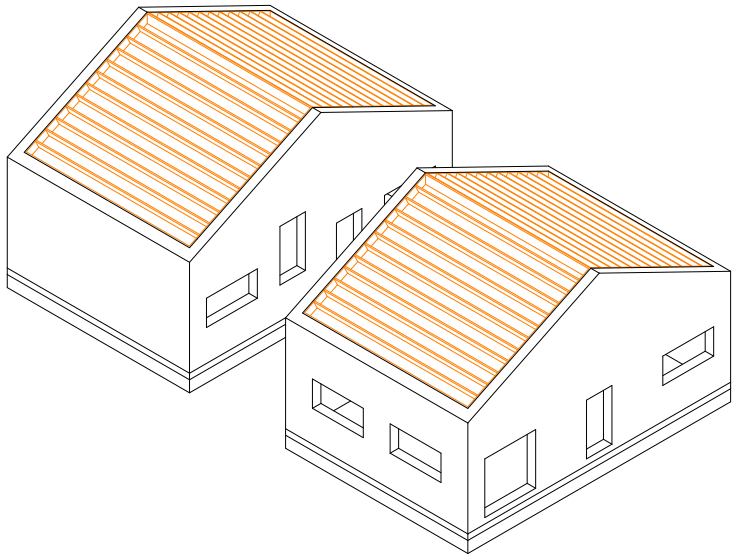


SITE MASSING_WITH SHADING NO TREES

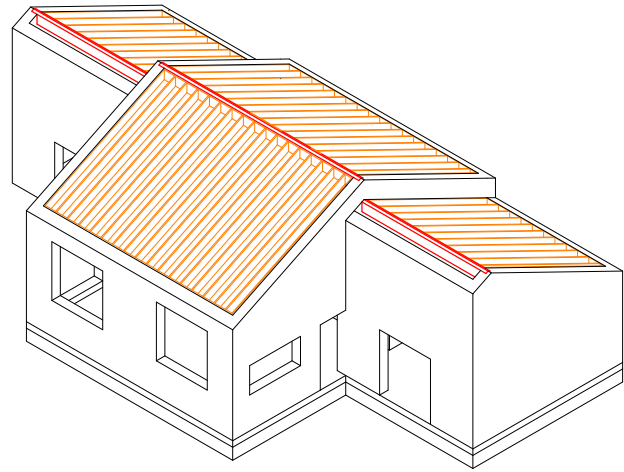
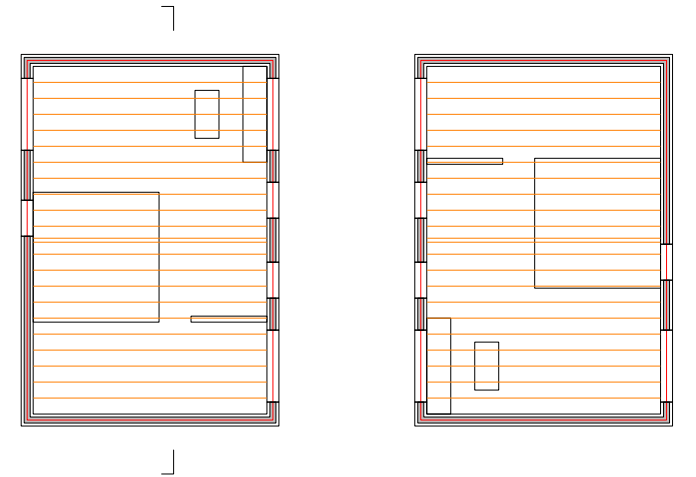
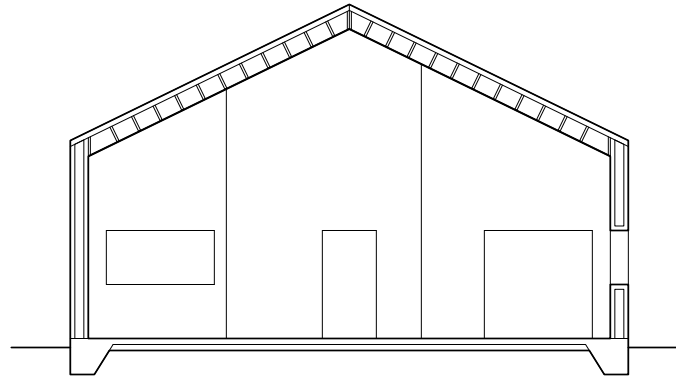


SITE MASSING_NO SHADING OR TREES

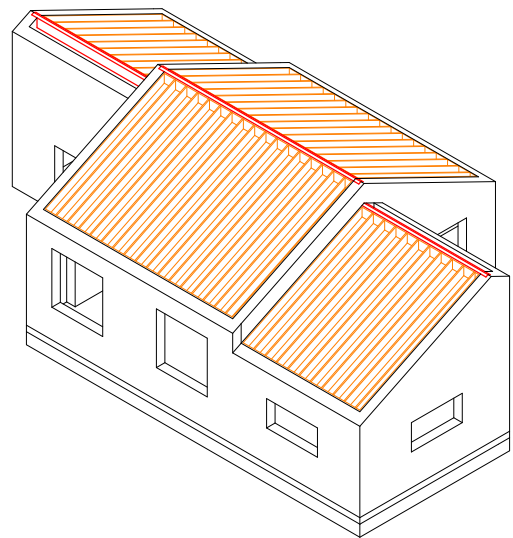
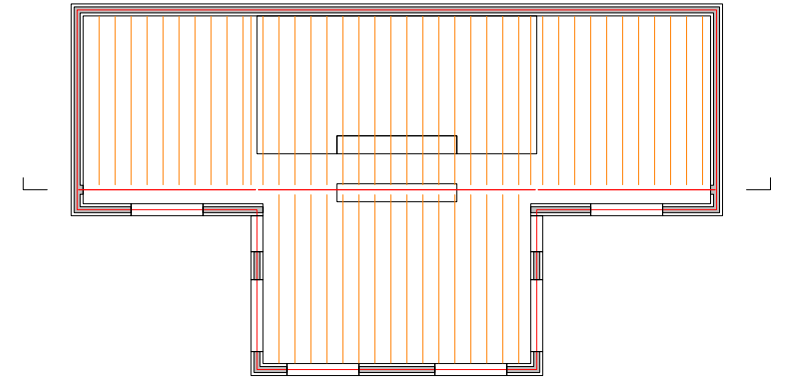
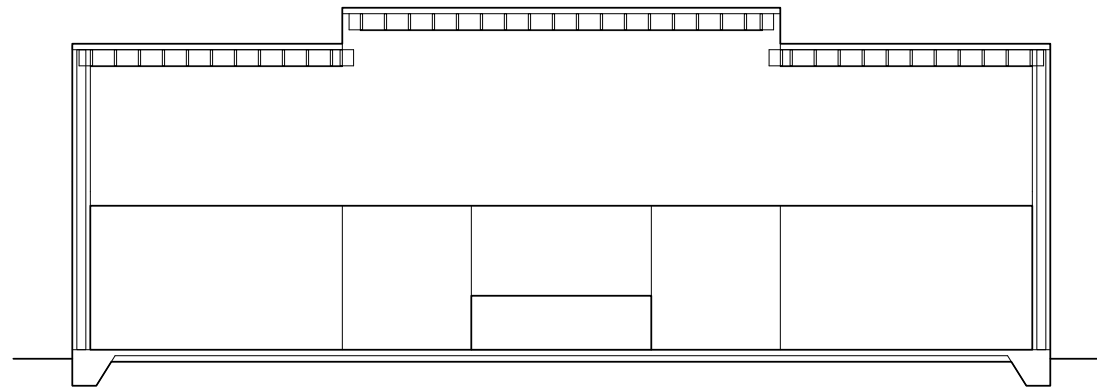
SITE PLAN ORGANIZATION - SKETCH, ISOMETRIC MASSING AND SITE AERIAL



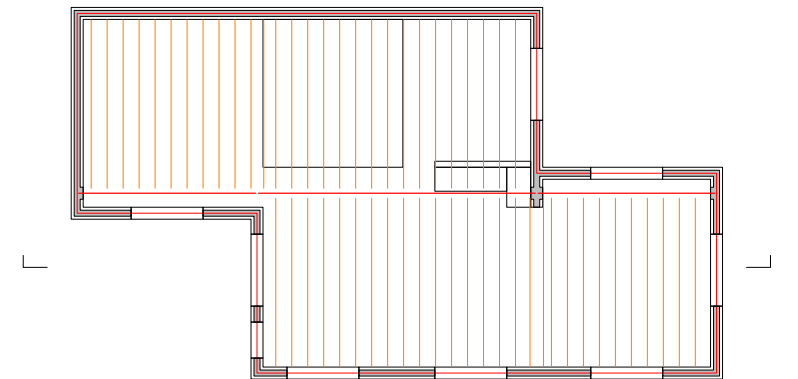
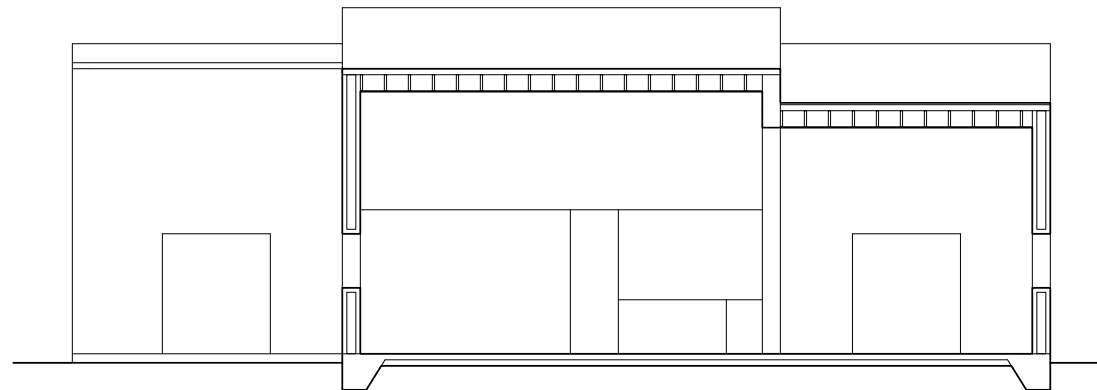
UNIT A



UNIT B



UNIT C



0' 2' 8' 16' 32' 1/16" = 1' 

0' 1' 3' 9' 18' 3/32" = 1' 

0' 2' 8' 16' 32' 1/16" = 1' 



MASSING AND SITE CONTEXT - ISOMETRIC MASSING AND SITE AERIAL