





# Site

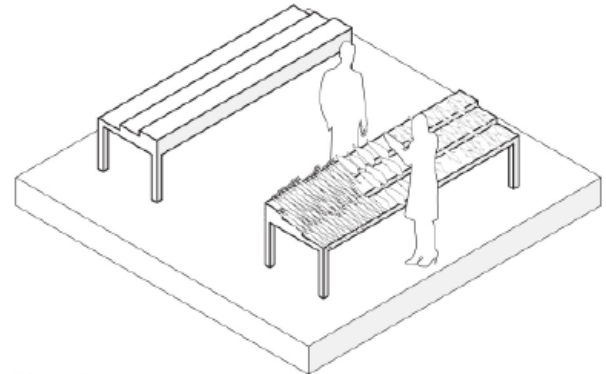
Exterior Render - Wetland



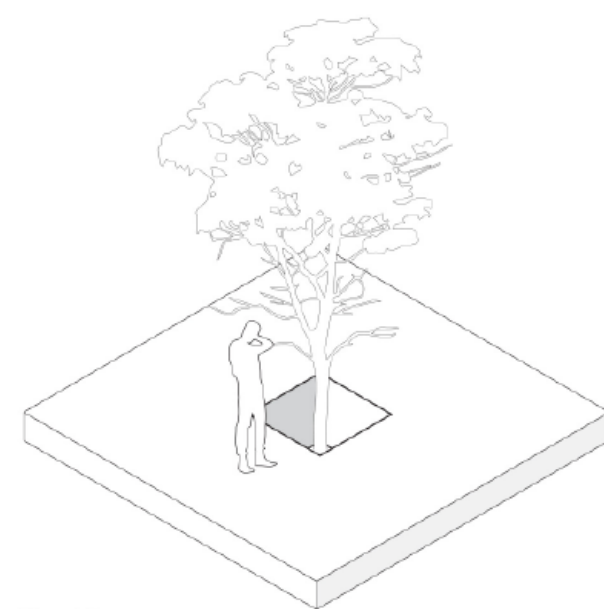
Exterior Render - Outdoor Market



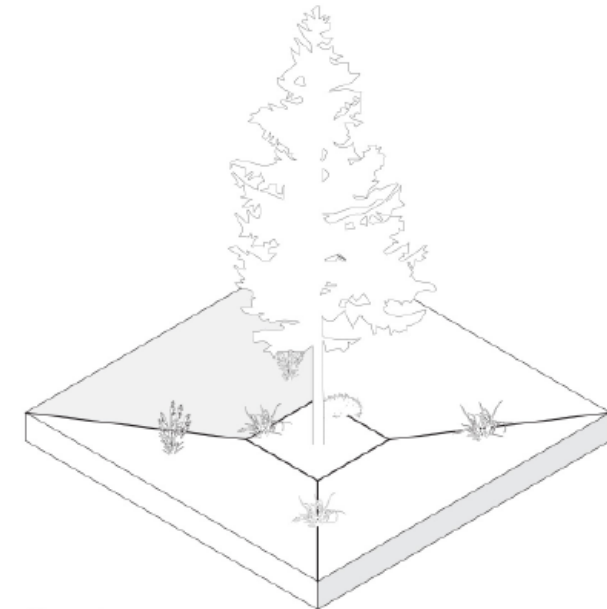
Program Diagrams



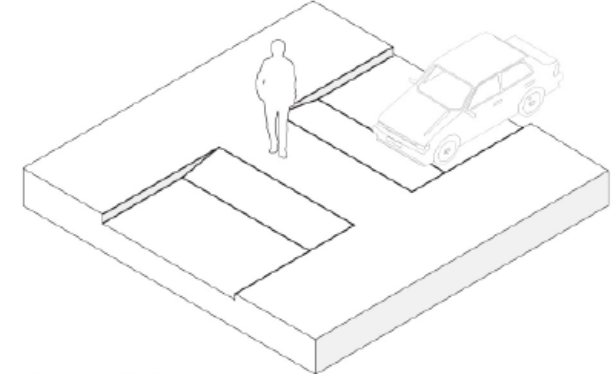
Market



Tree Filter

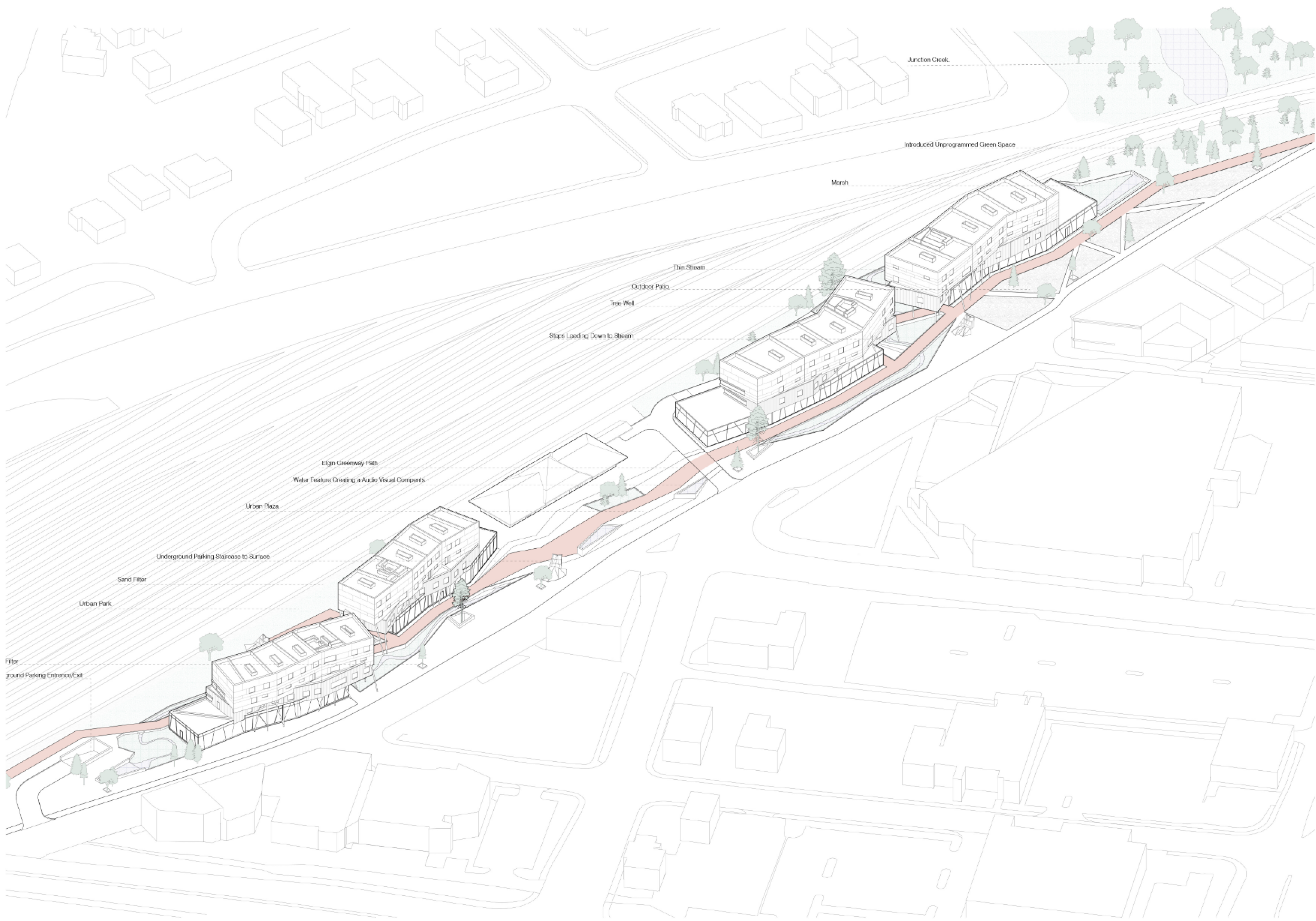


Bioswale

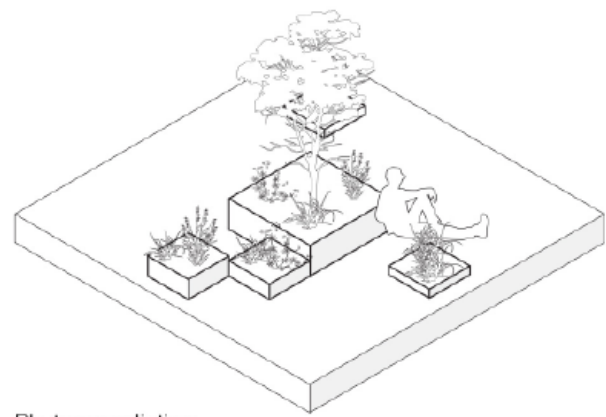


Elevated Walkway

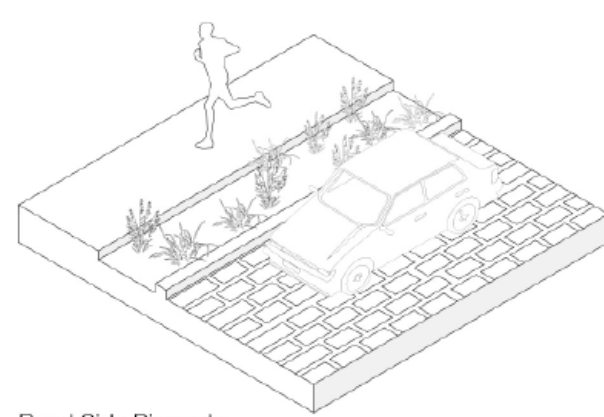
Site Axonometric



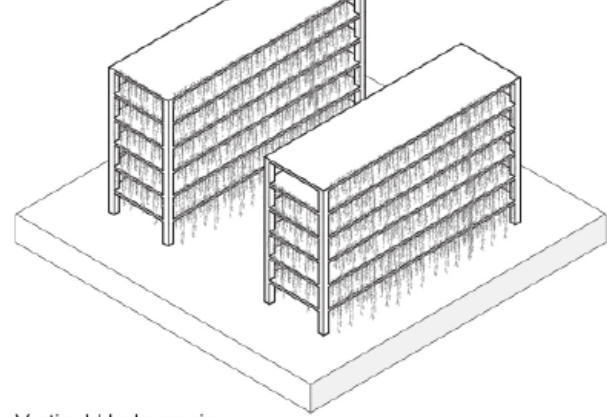
Program Diagrams



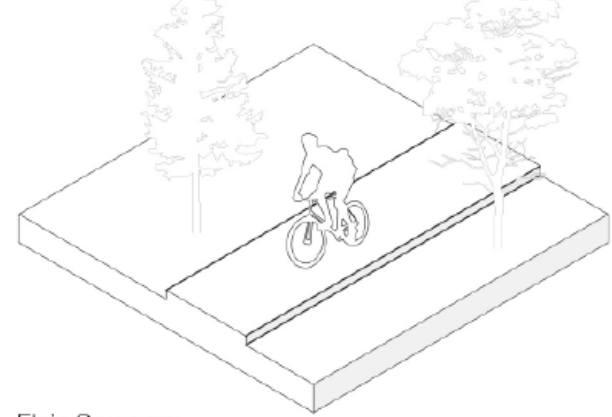
Phytoremediation



Road Side Bioswale

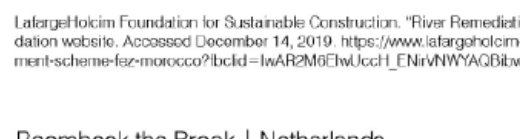


Vertical Hydroponic

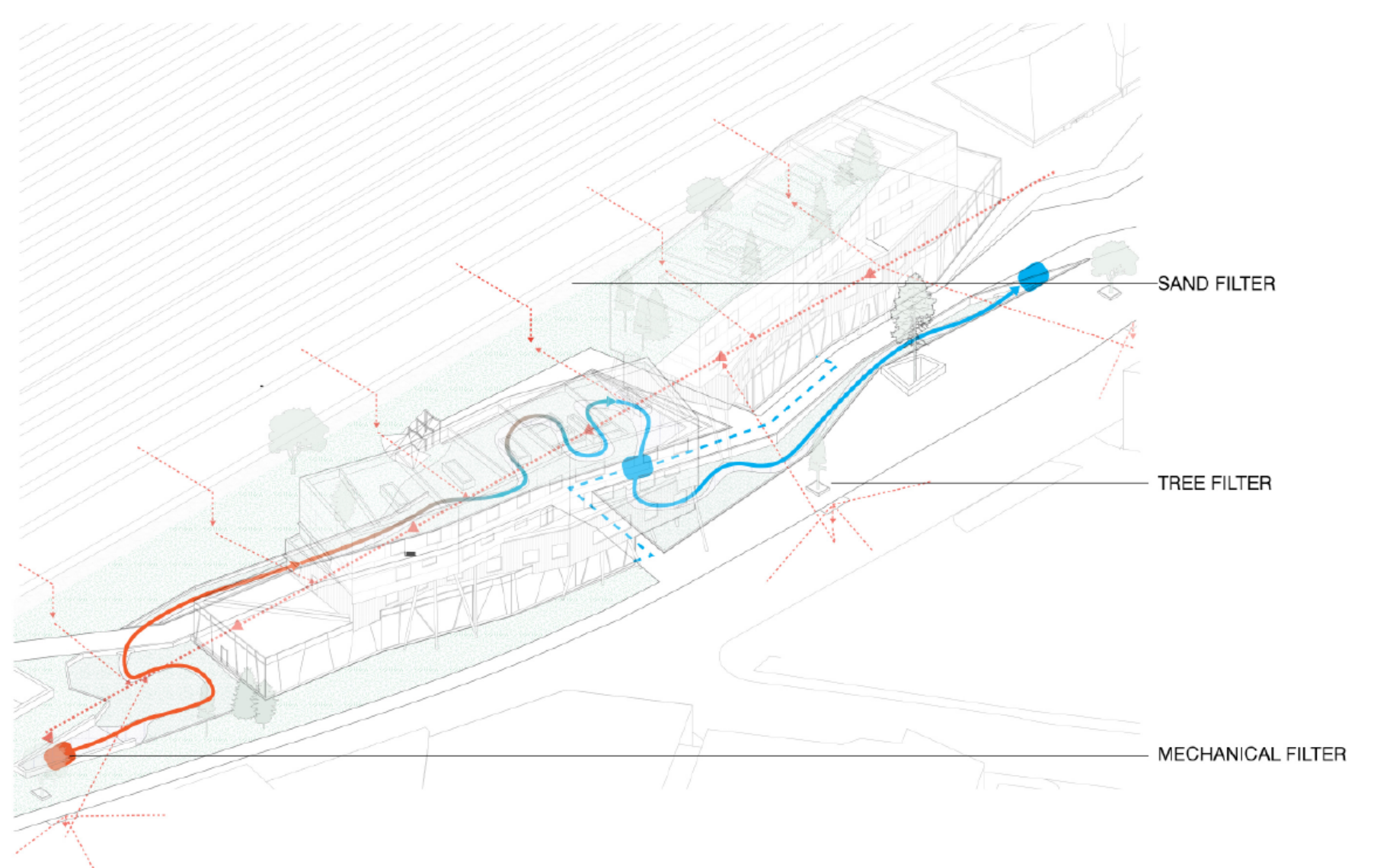
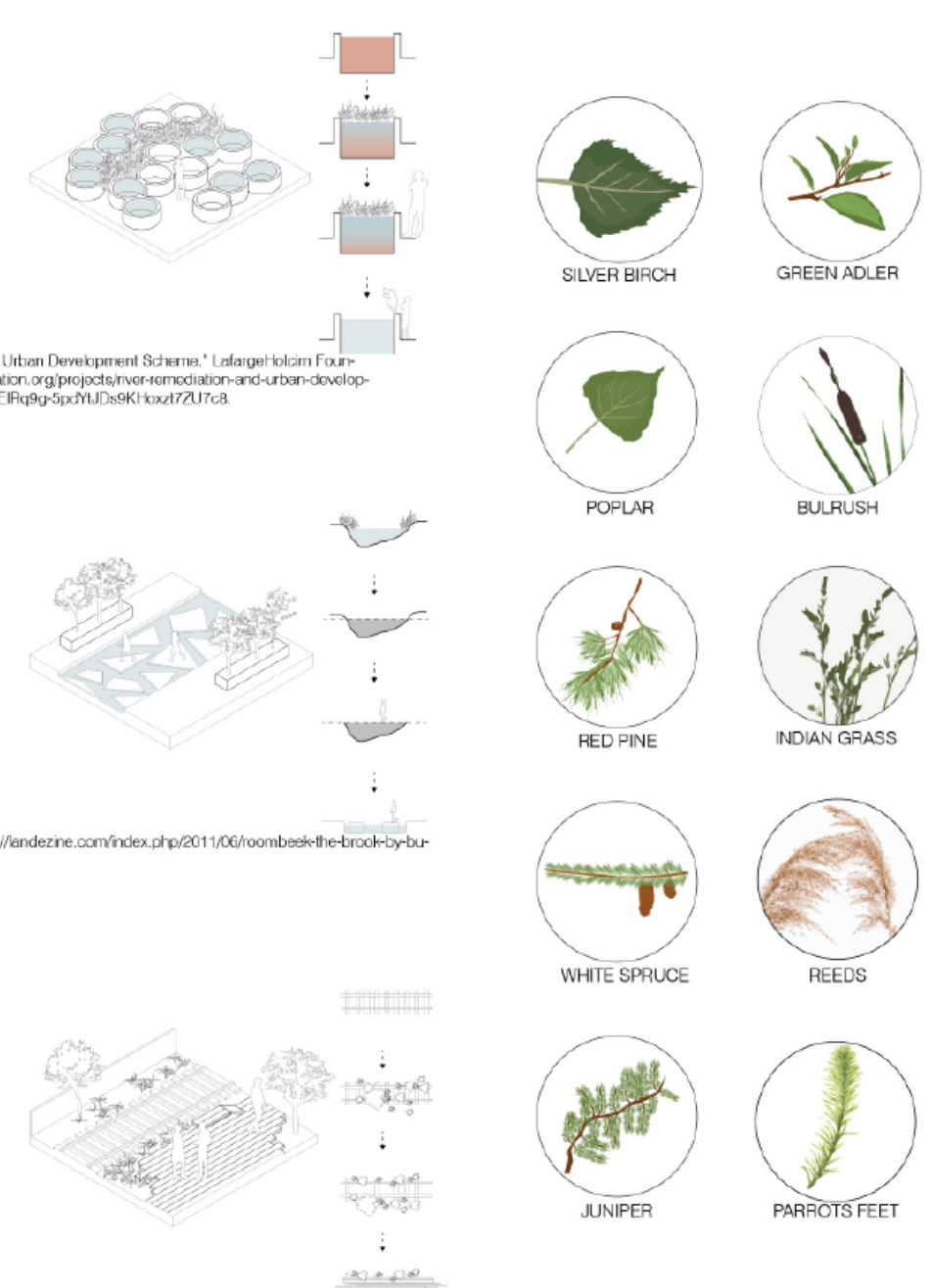


Elgin Greenway

Site Precedence



Remediation Diagram

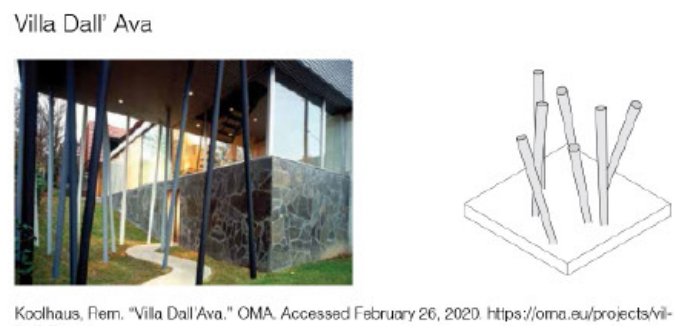


Client: Karam, "The New York High Line officially open", June 05, 2009, Received from website: <https://www.archdaily.com/24982/the-new-york-high-line-officially-open>.

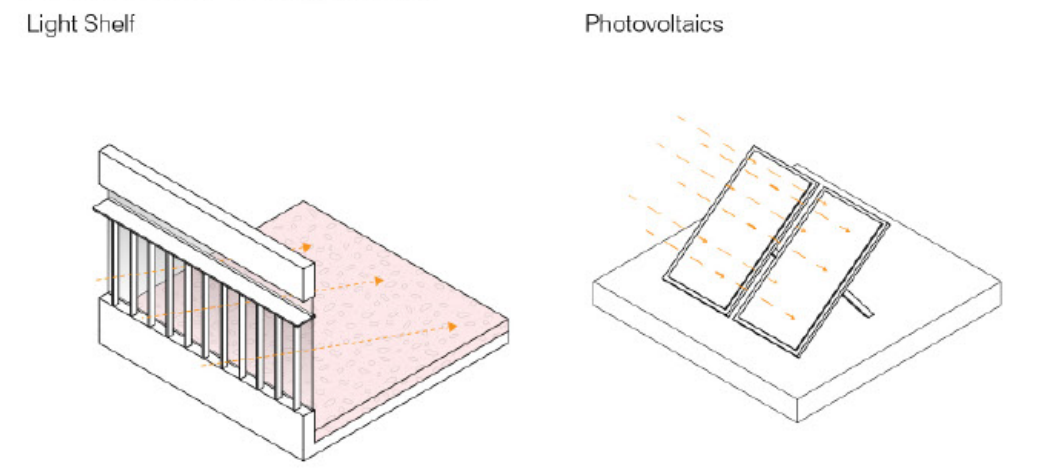


# Design

## Envelope Precedence



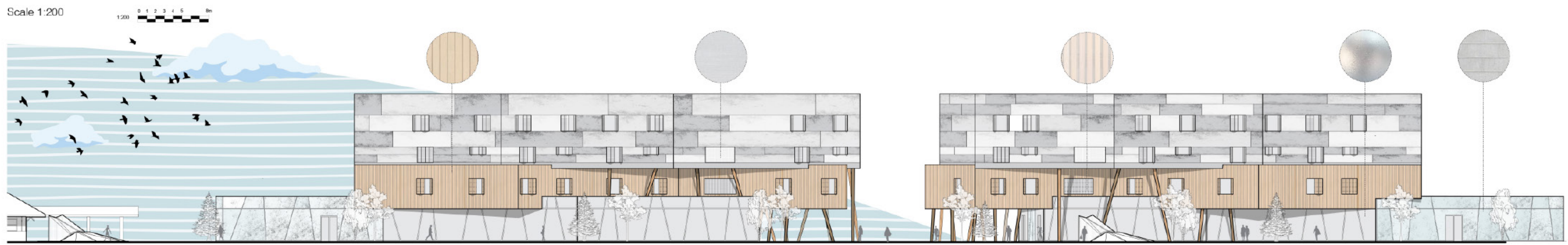
## Envelope Diagrams



## Site Elevation East



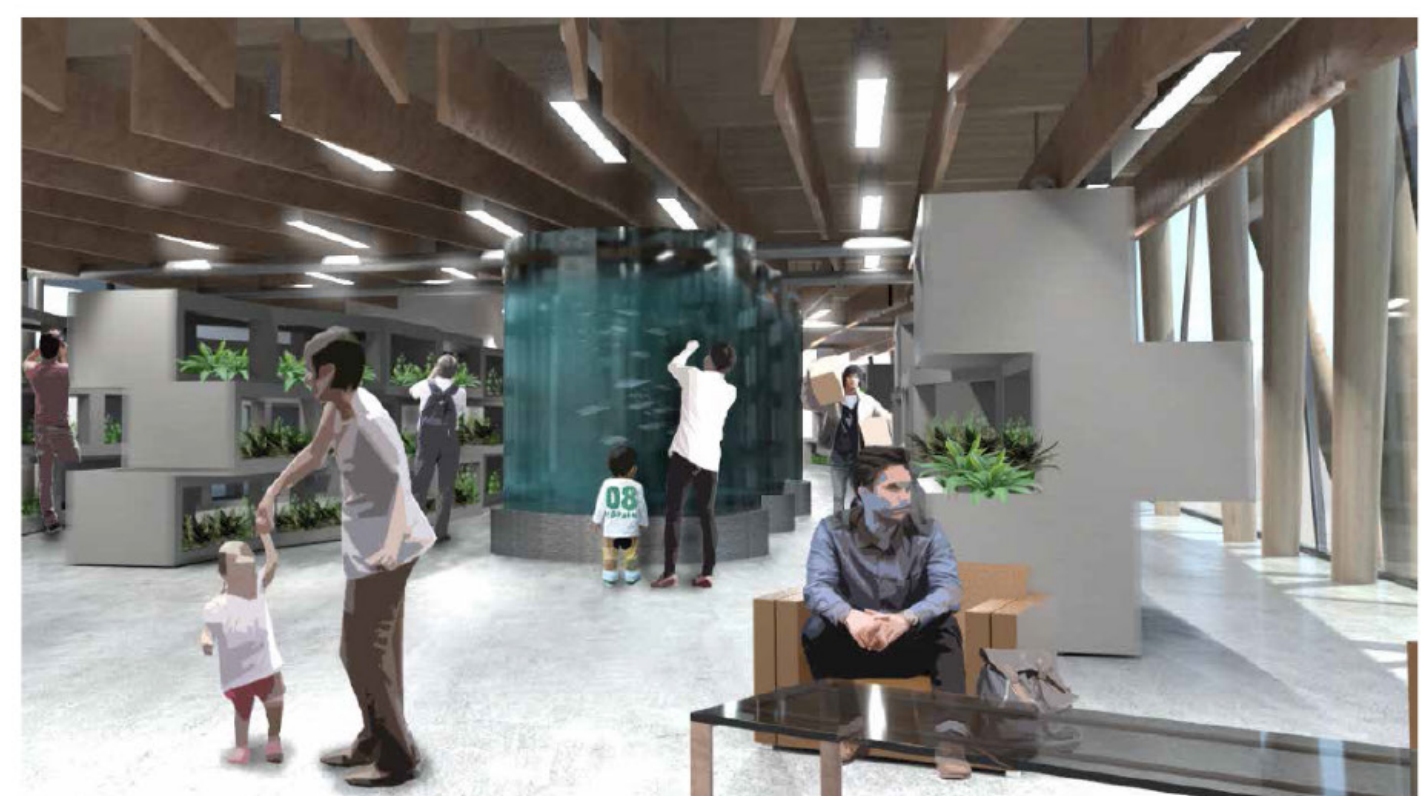
## Site Elevation West



## Flex Space Render



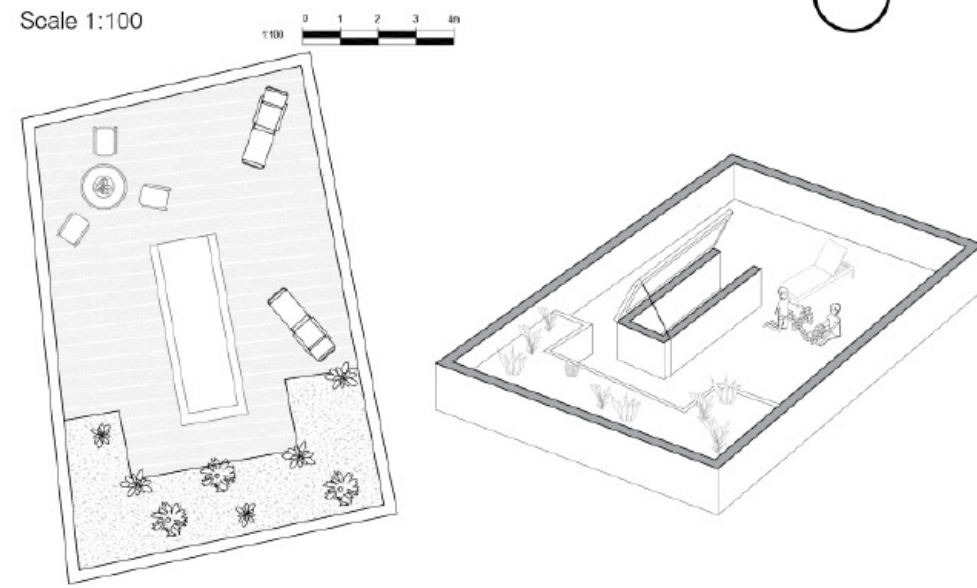
## Garden Library Render



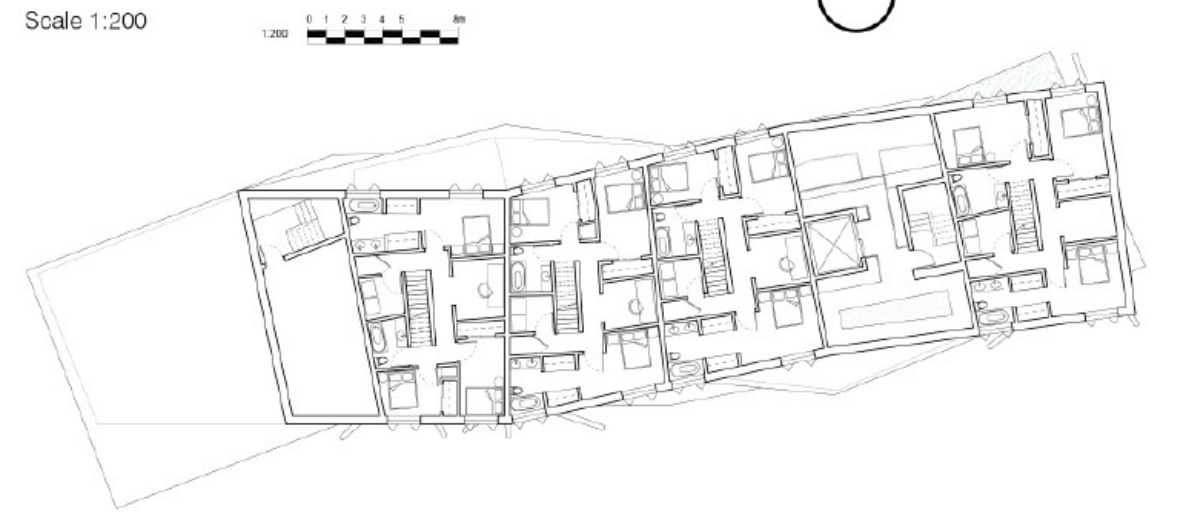
## Detail Elevation



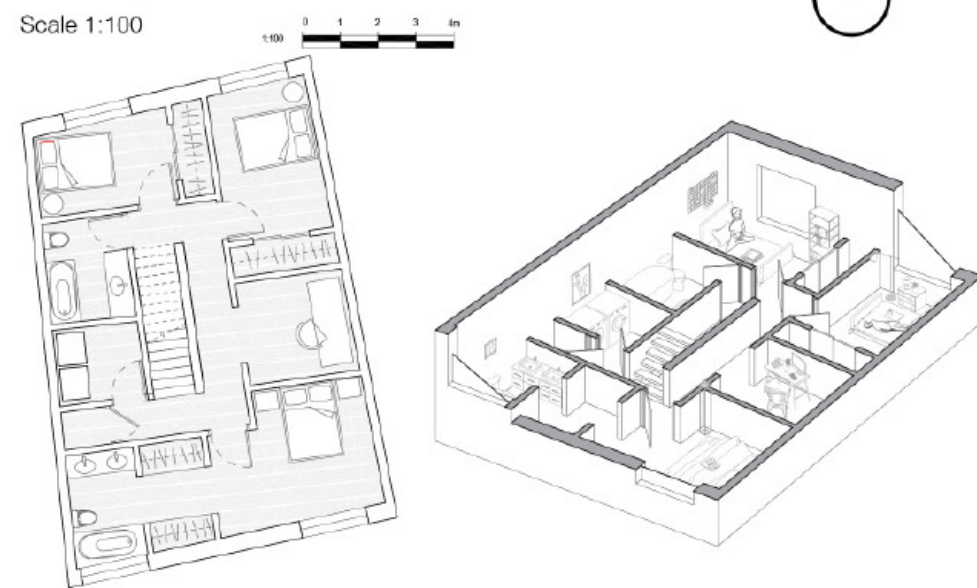
## Family Unit Roof Plan



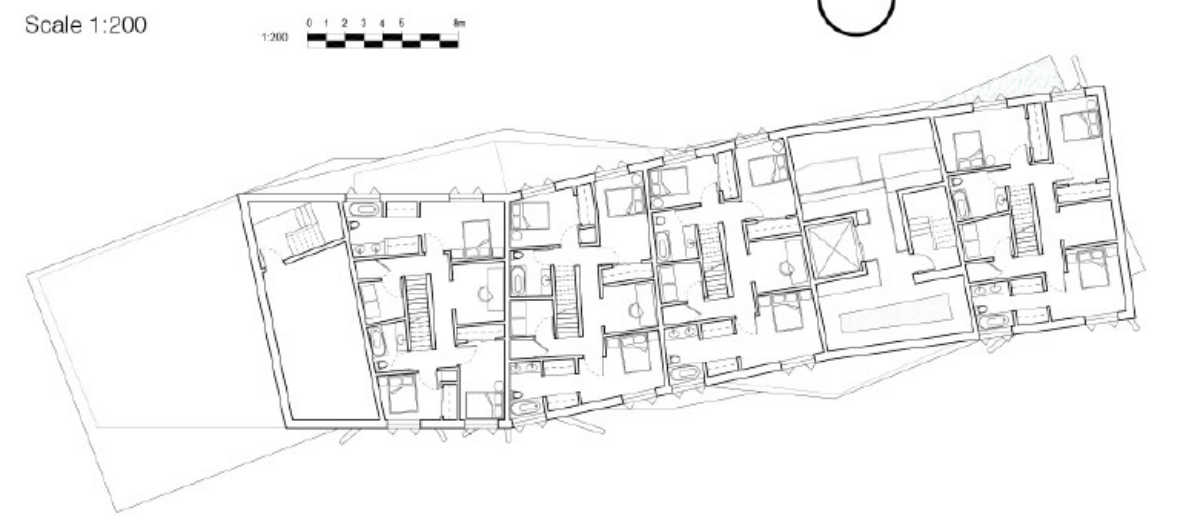
## Residential Roof Plan



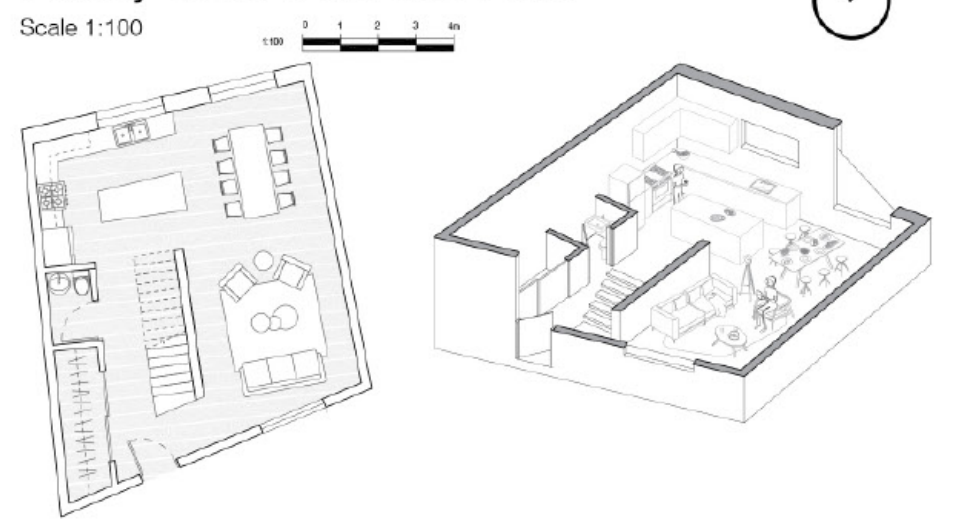
## Family Unit Second Floor Plan



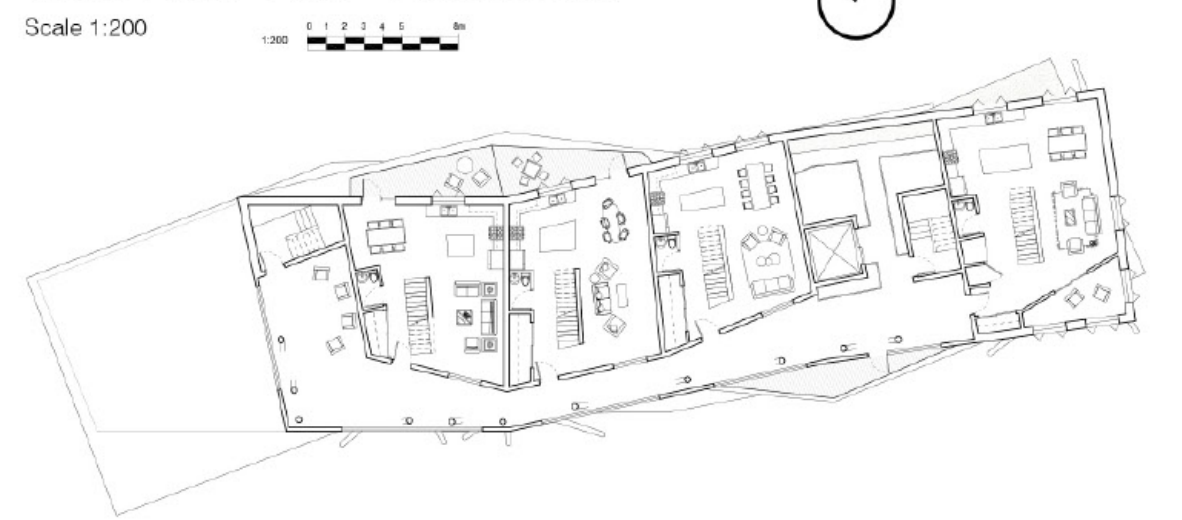
## Fourth Floor Plan - Residential



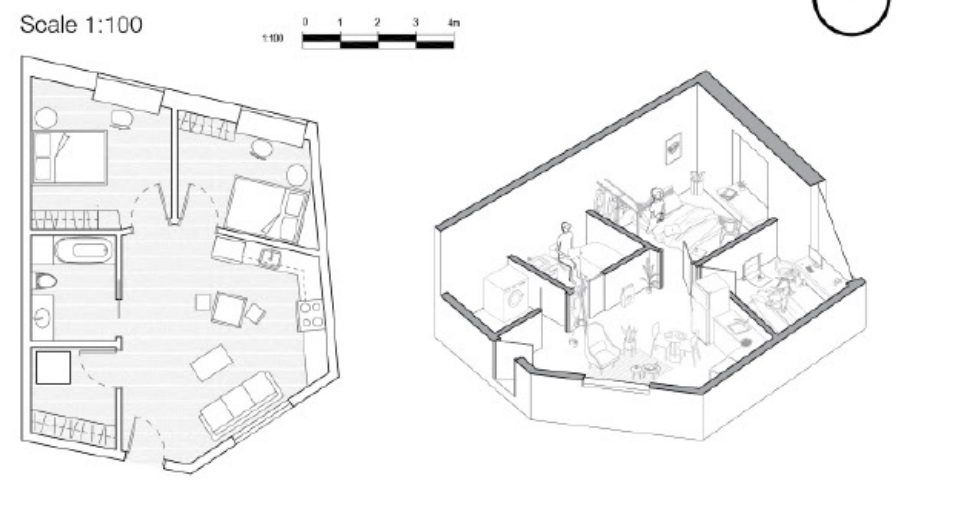
## Family Unit First Floor Plan



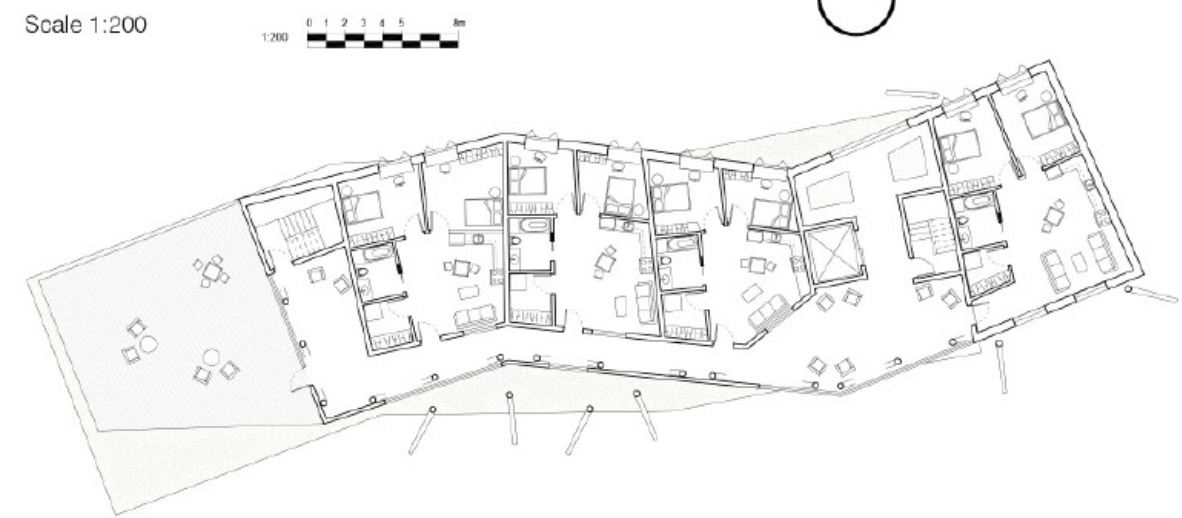
## Third Floor Plan - Residential



## Student Unit Floor Plan



## Third Floor Plan - Residential



## Residential Family Unit Render



## Residential Common Space Render





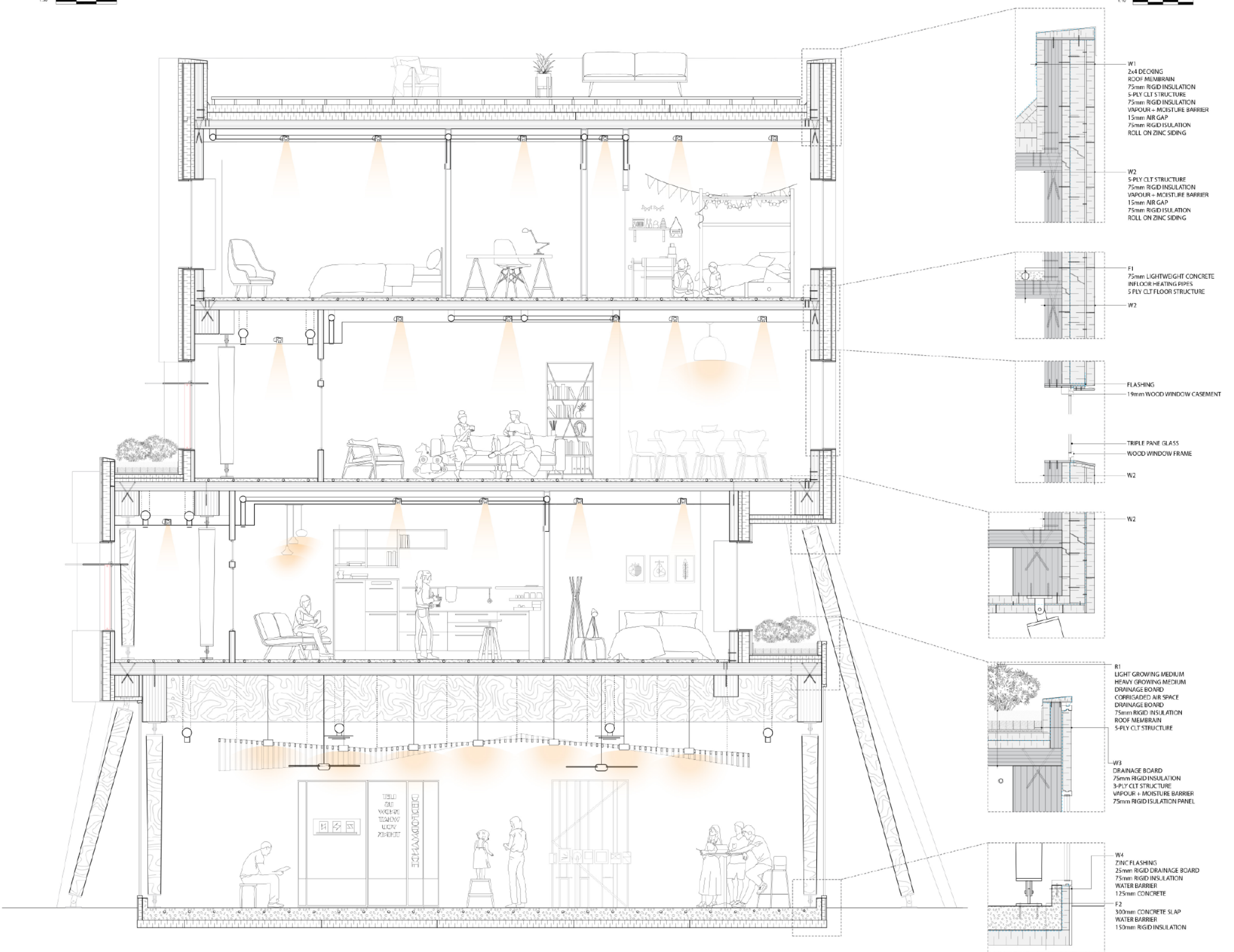
# Design

## Detail Section

Scale 1:30

## Structure | Envelope Details

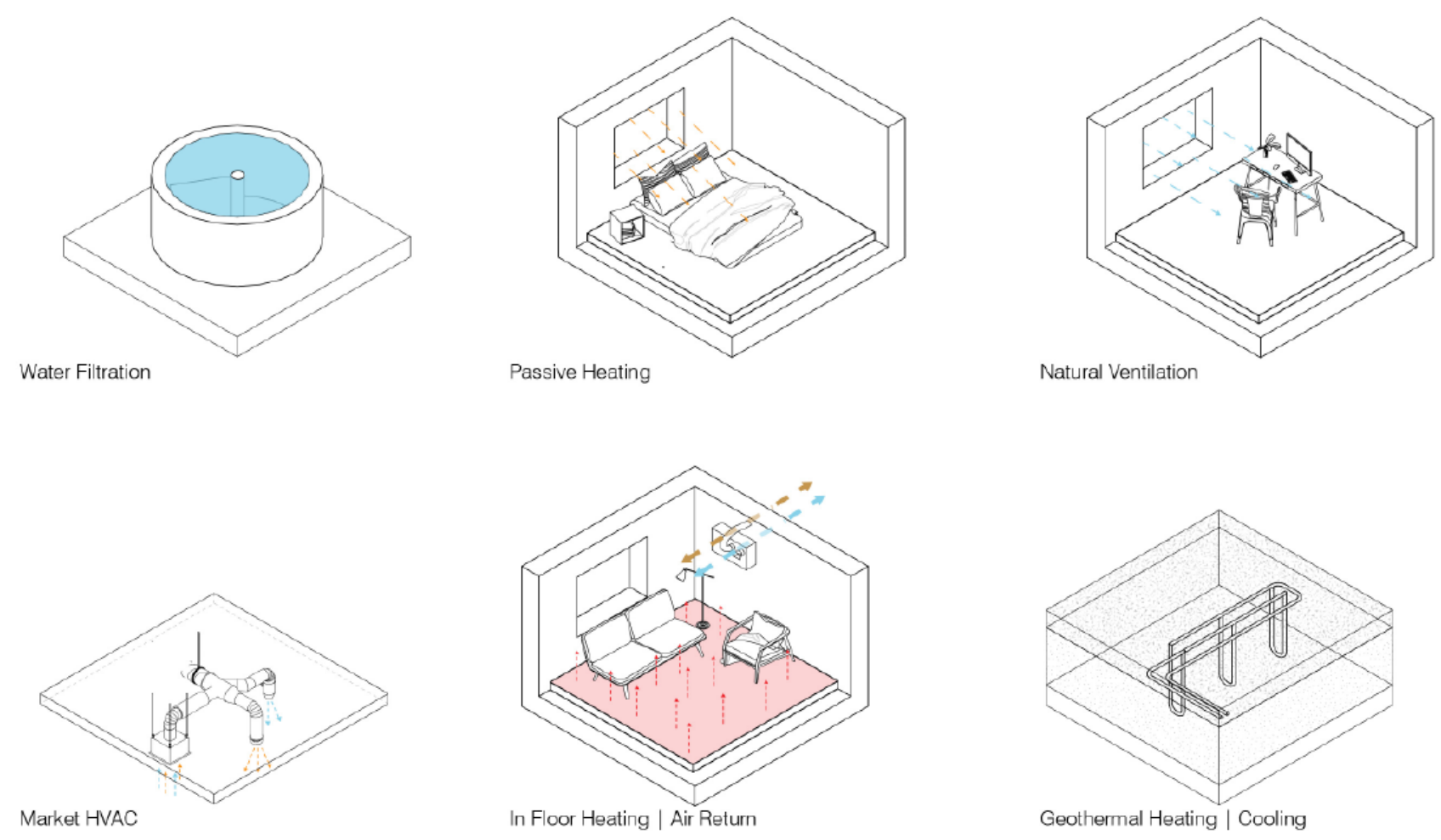
Scale 1:10



## Garden Library Render

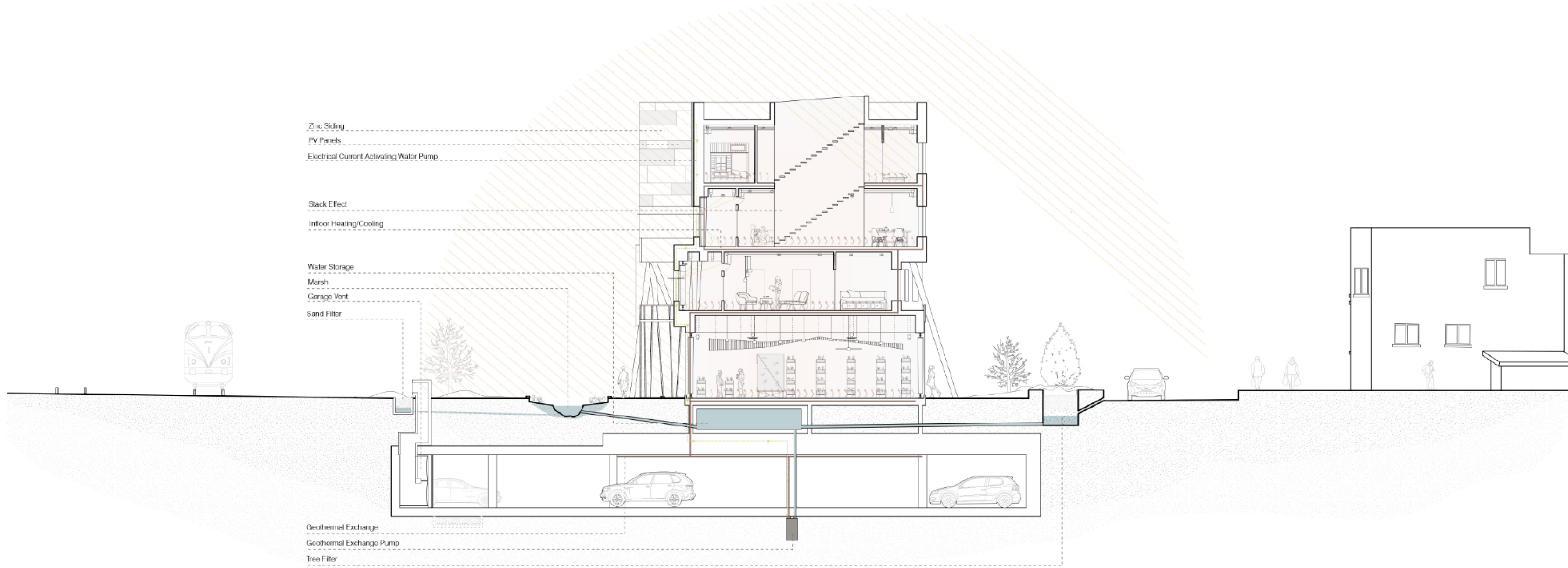


## Systems Diagram



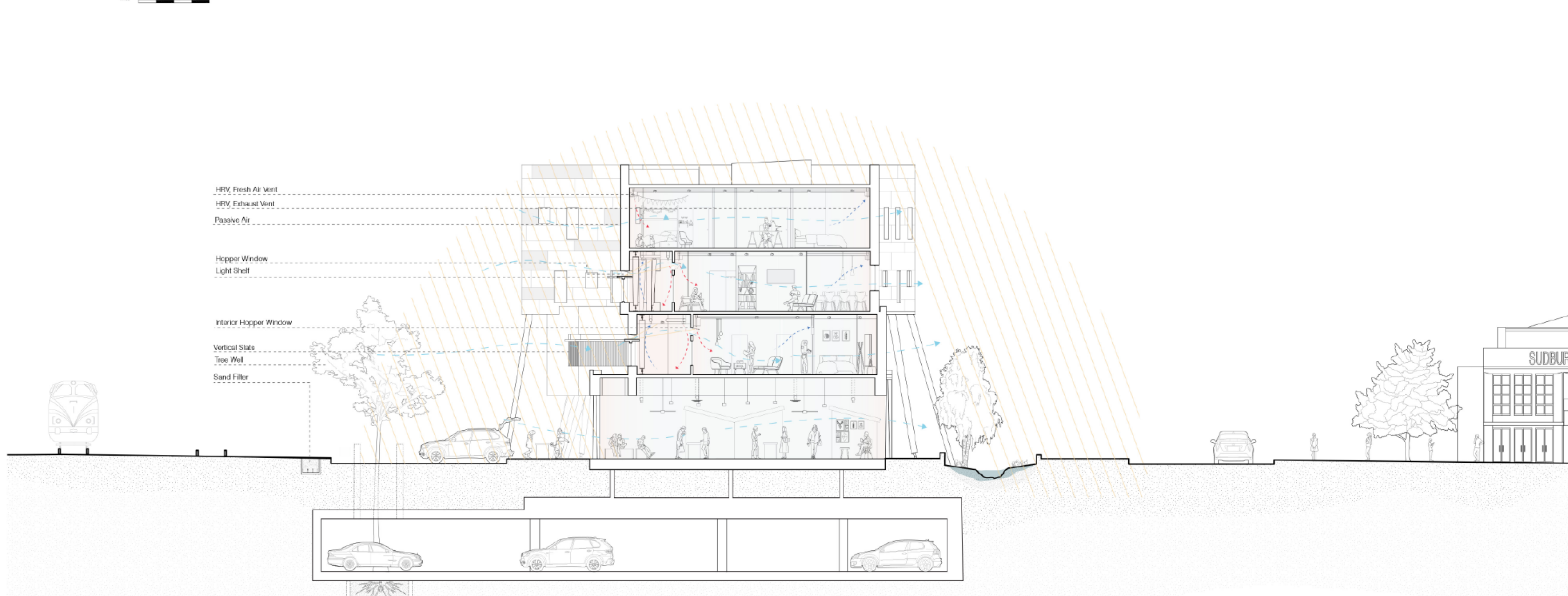
## Summer Passive Section - Through Permanent Market

Scale 1:100



## Winter Passive Section - Garden Library

Scale 1:100





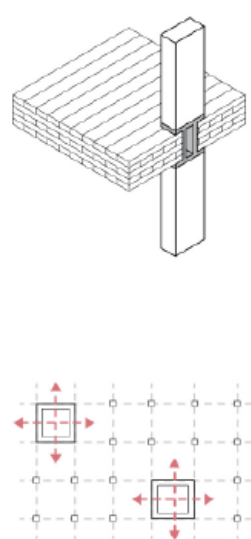
# Structure

## Structural Precedence

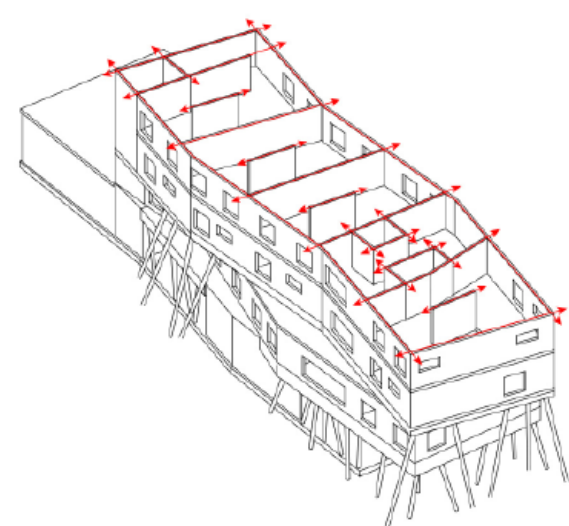
Brook Commons UBC | British Columbia



From: <https://www.archdaily.com/670625/inside-vancouver-brook-commons-the-worlds-tallest-timber-structured-building>

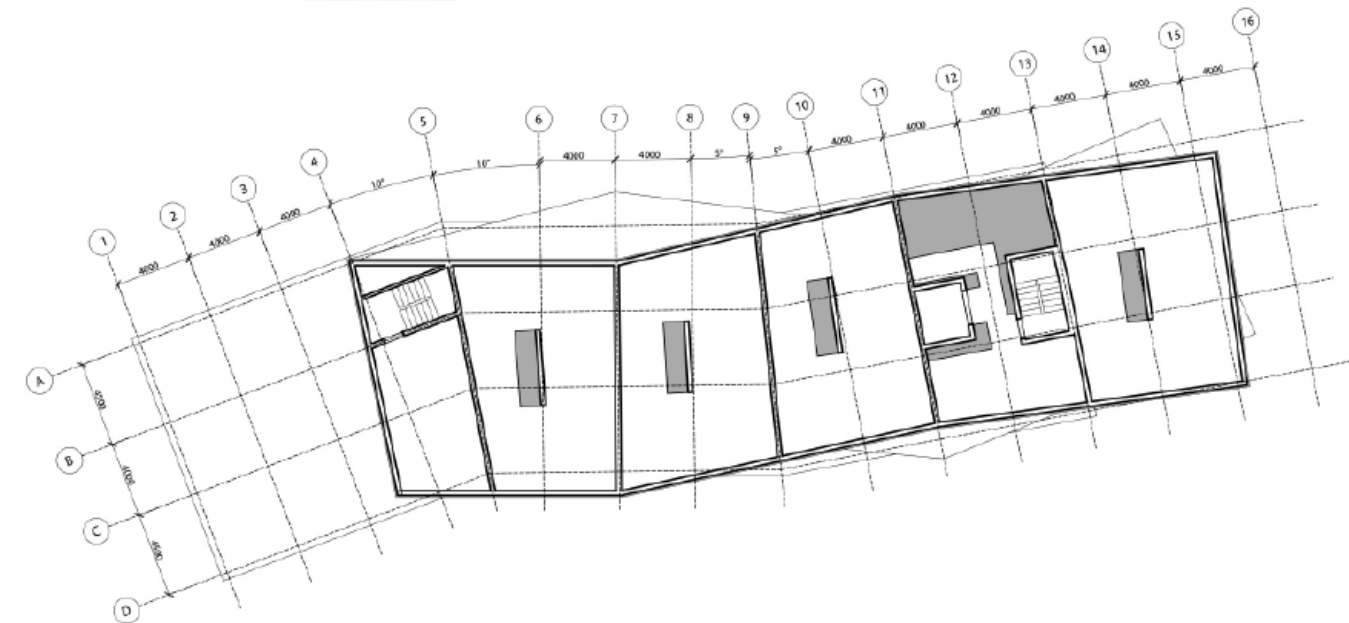


## Structural Axo - Fourth Floor



## Structural Plan - Fourth Floor

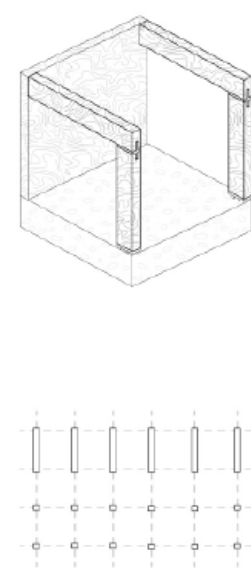
Scale 1:300



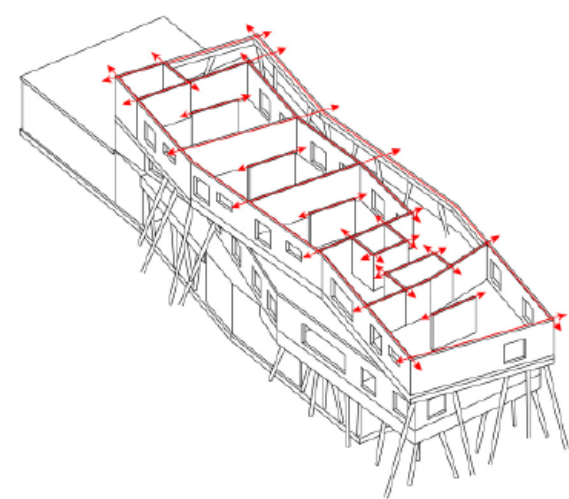
Ponticion Lakosido Resort | British Columbia



The West Wing - Ponticion Lakosido Resort and Conference "Naturally Wood" October 2019. <https://www.naturally-wood.com/wood-design/wood-gallery/west-wing-ponticion-lakosido-resort-and-conference-on-the-island>

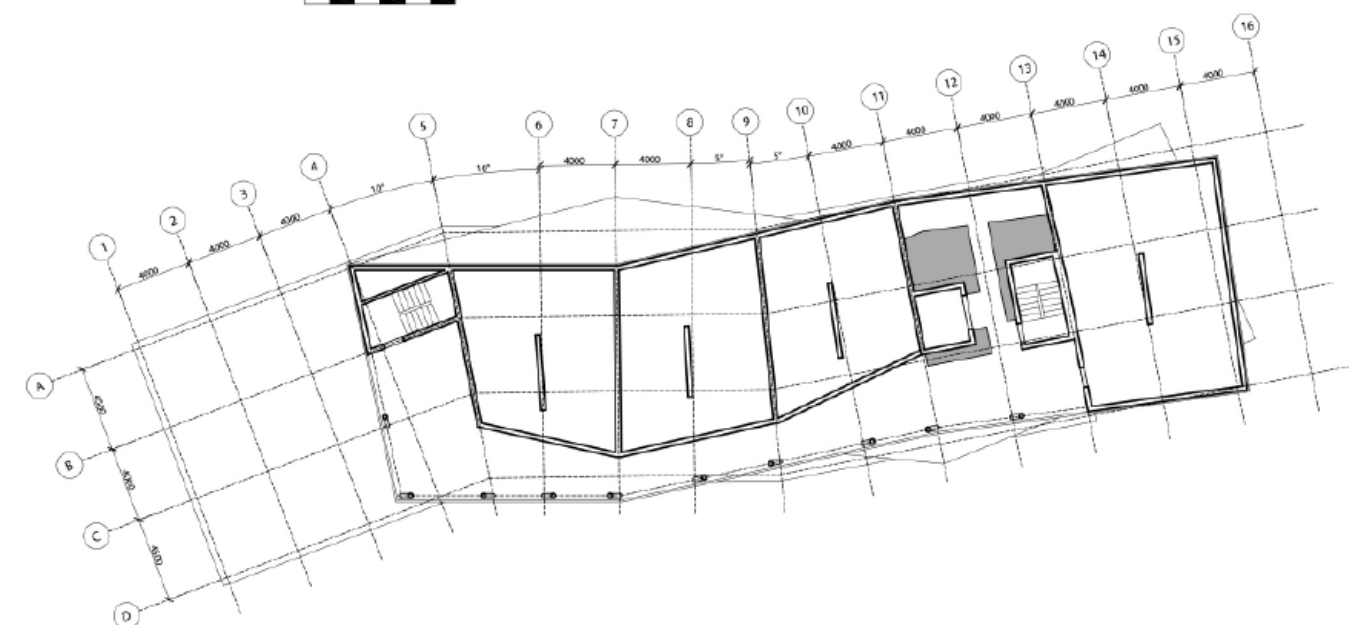


## Structural Axo - Third Floor

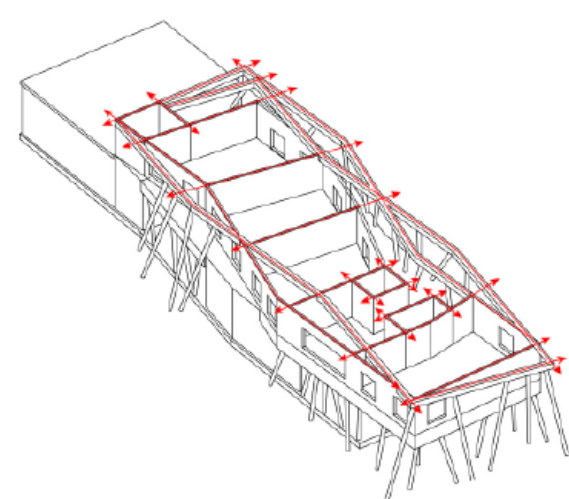


## Structural Plan - Third Floor

Scale 1:300

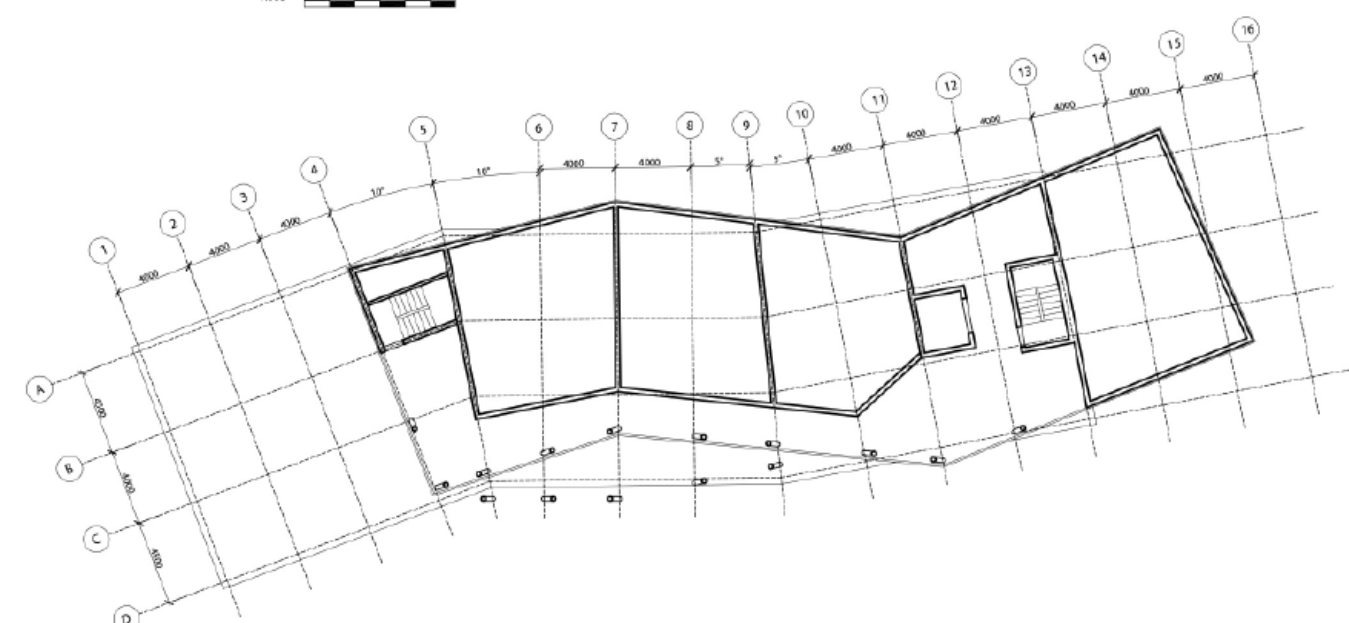


## Structural Axo - Second Floor

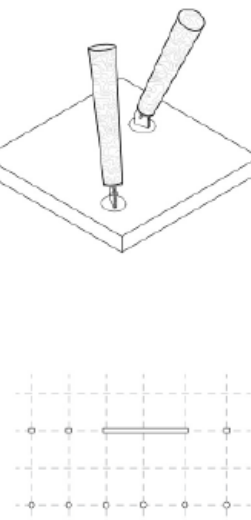


## Structural Plan - Second Floor

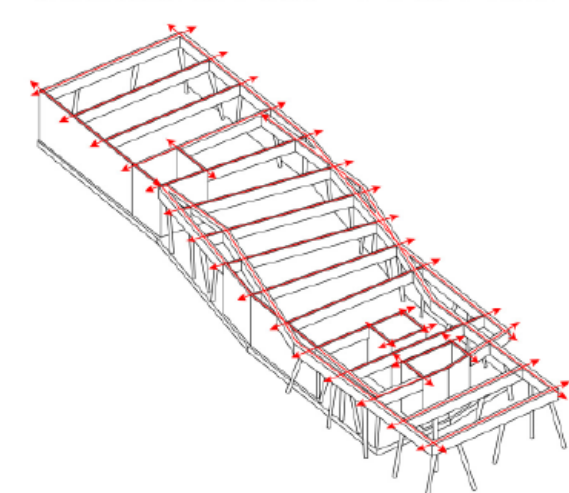
Scale 1:300



Sports Hall at Schuldorf Begstrasse | Germany

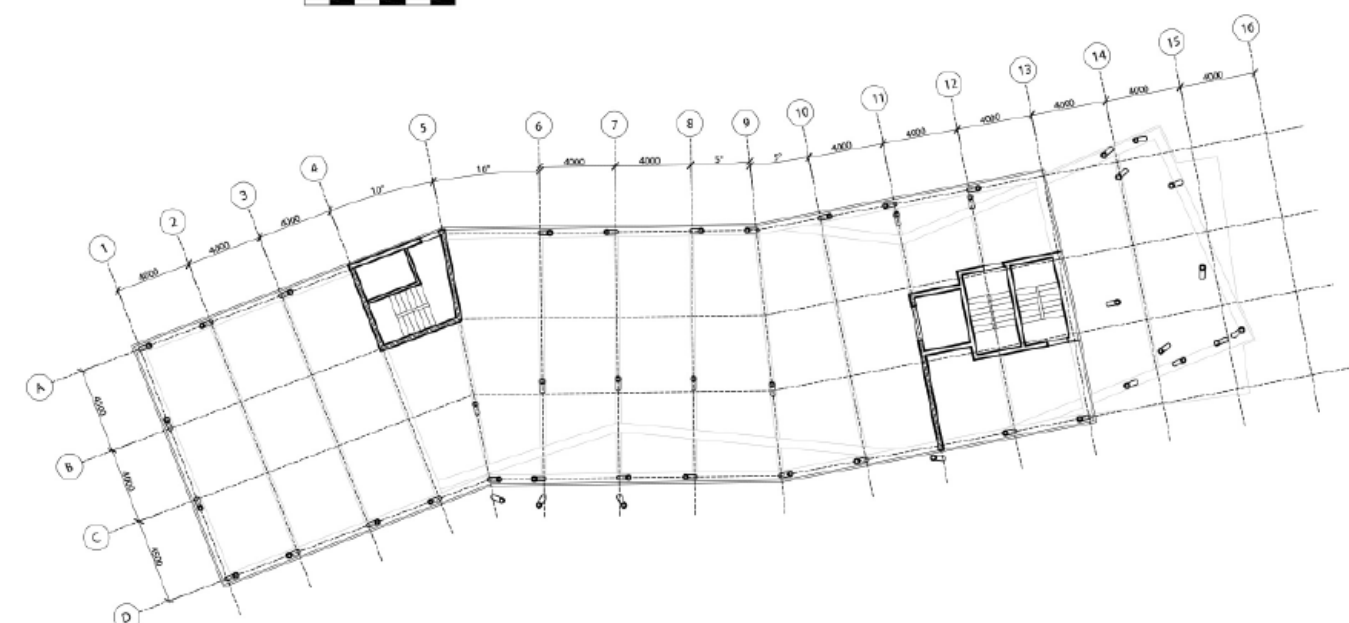


## Structural Axo - First Floor

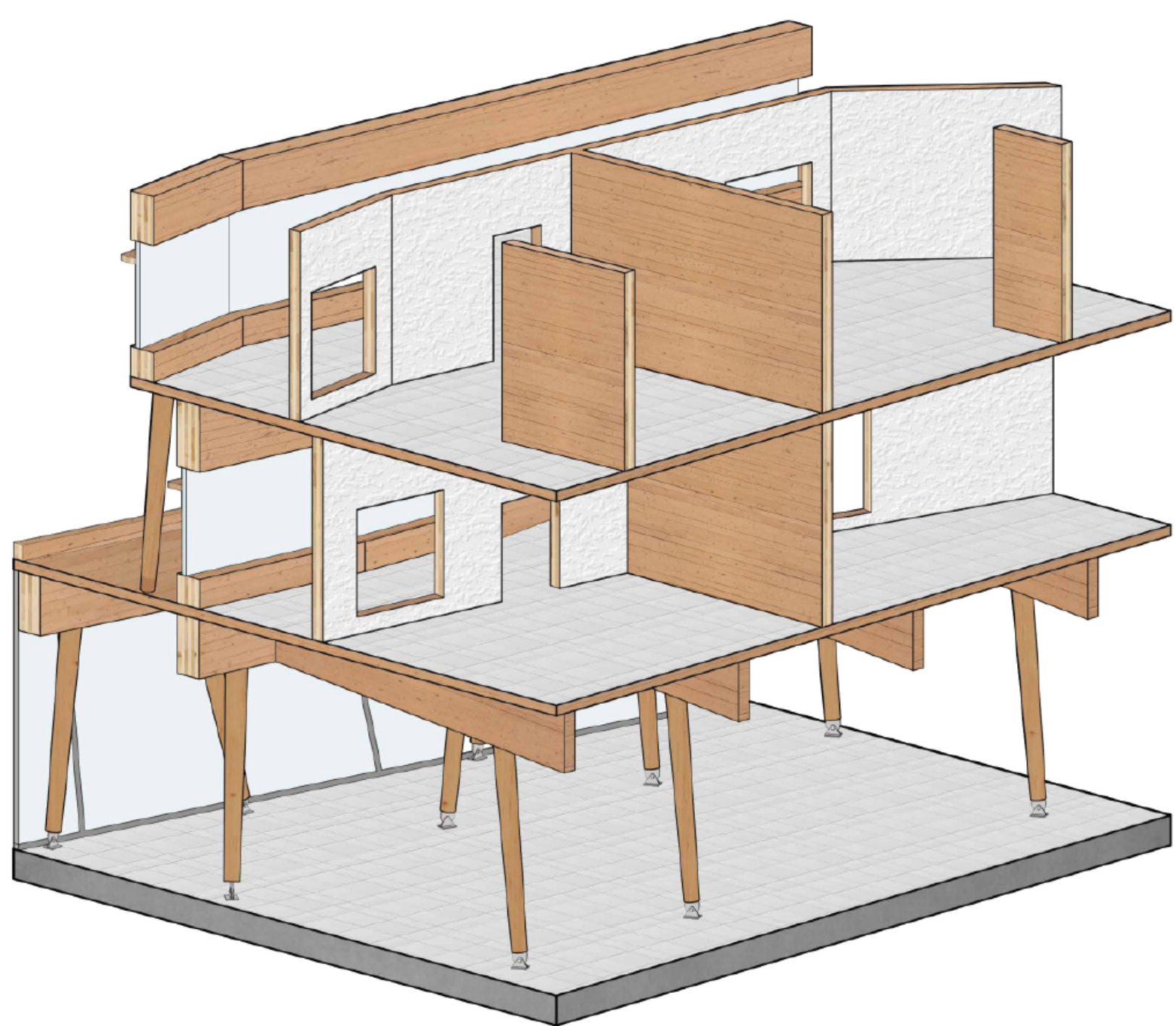


## Structural Plan - First Floor

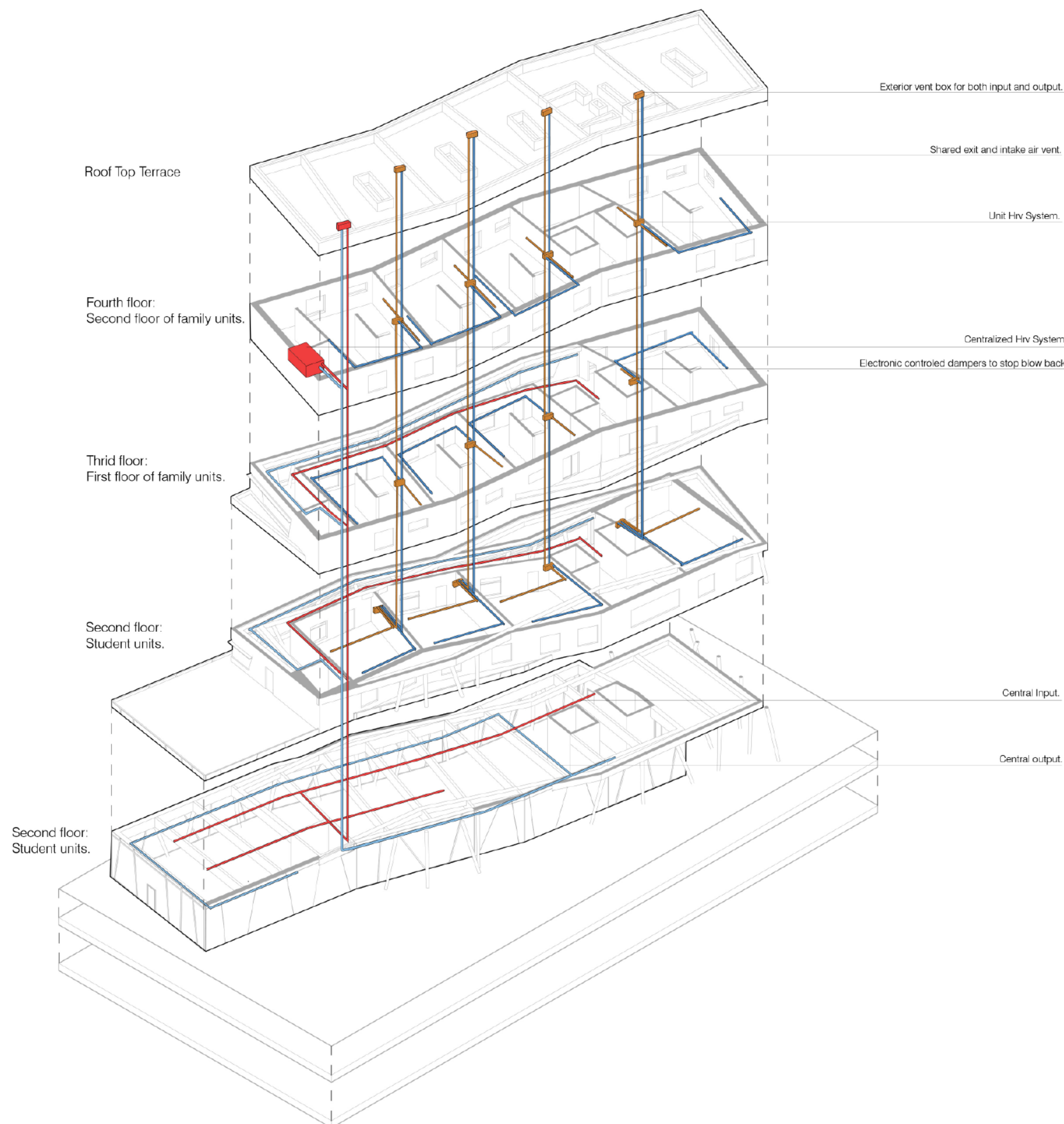
Scale 1:300



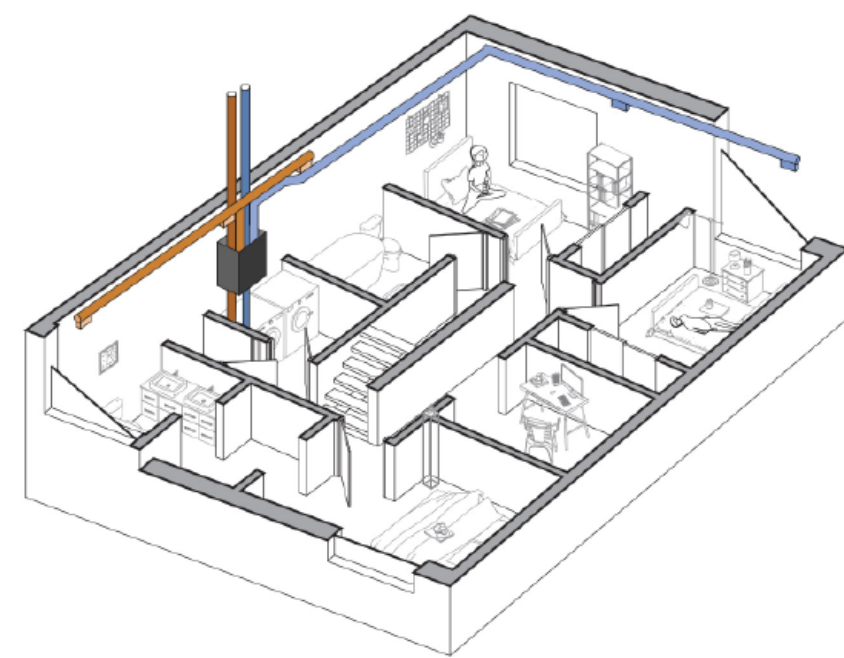
## Structural Axonometric Drawing



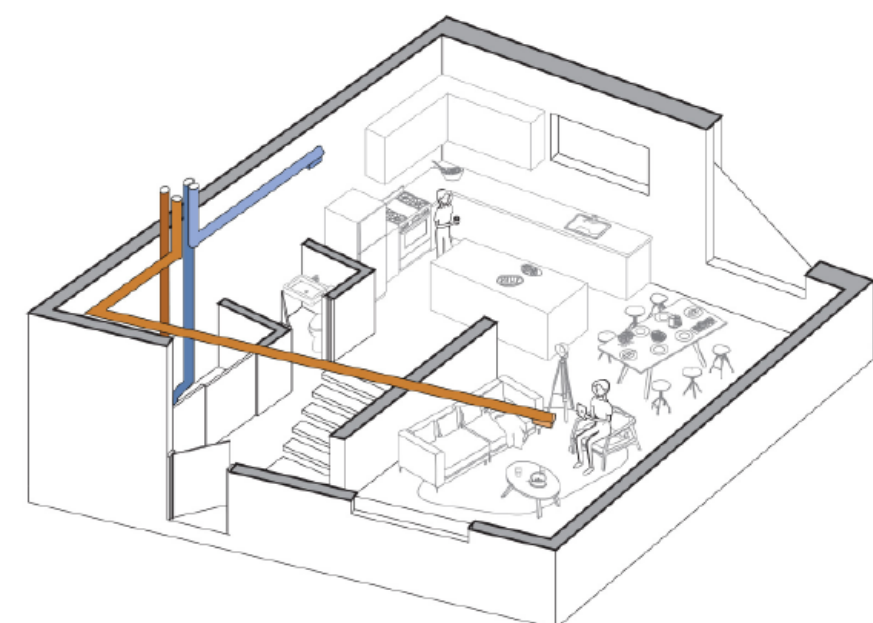
## Exploded Axonometric - HVAC Systems



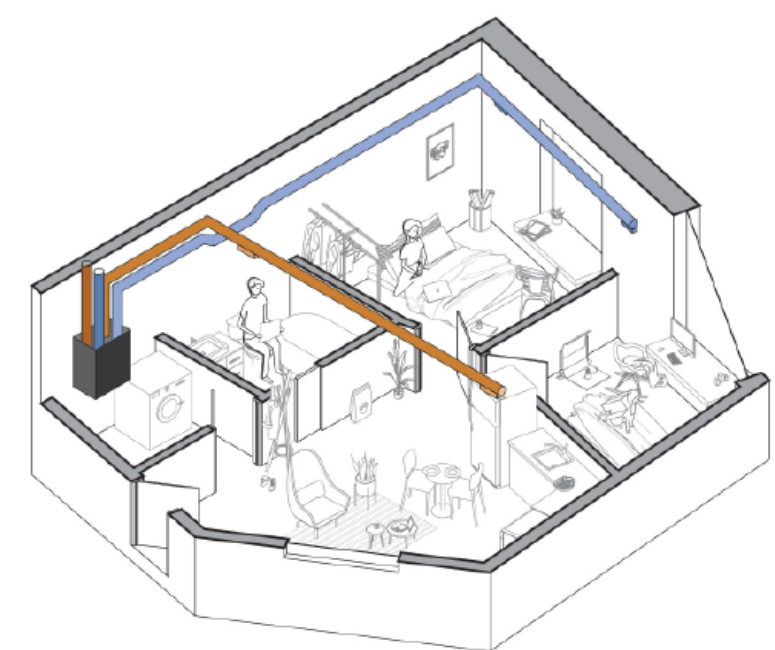
## Family Unit Second Floor ISO - HVAC



## Family Unit First Floor ISO - HVAC



## Student Unit ISO - HVAC





# Systems

## Residential Unit- Systems Integration

Family Unit Second Floor

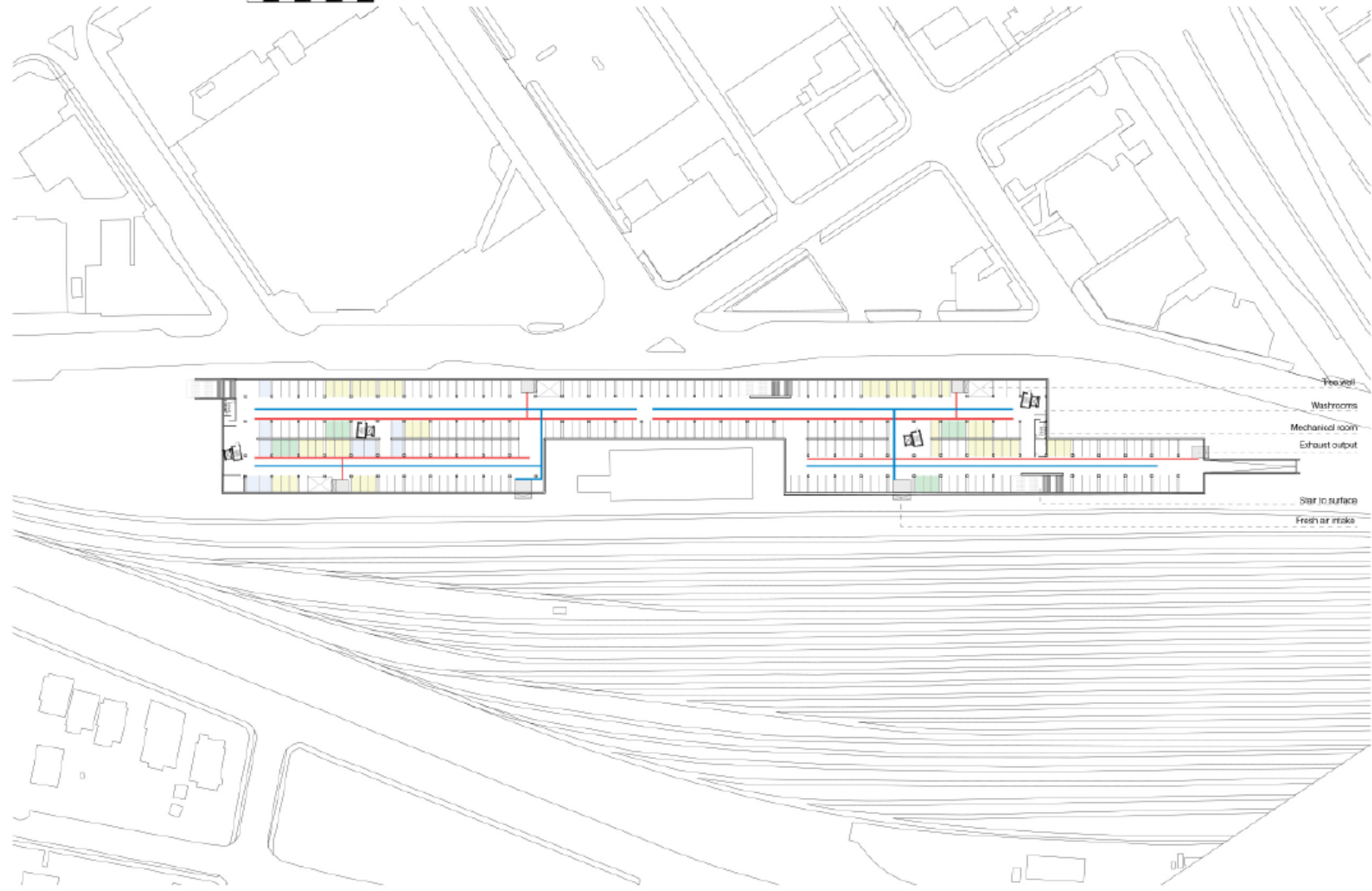


Family Unit First Floor

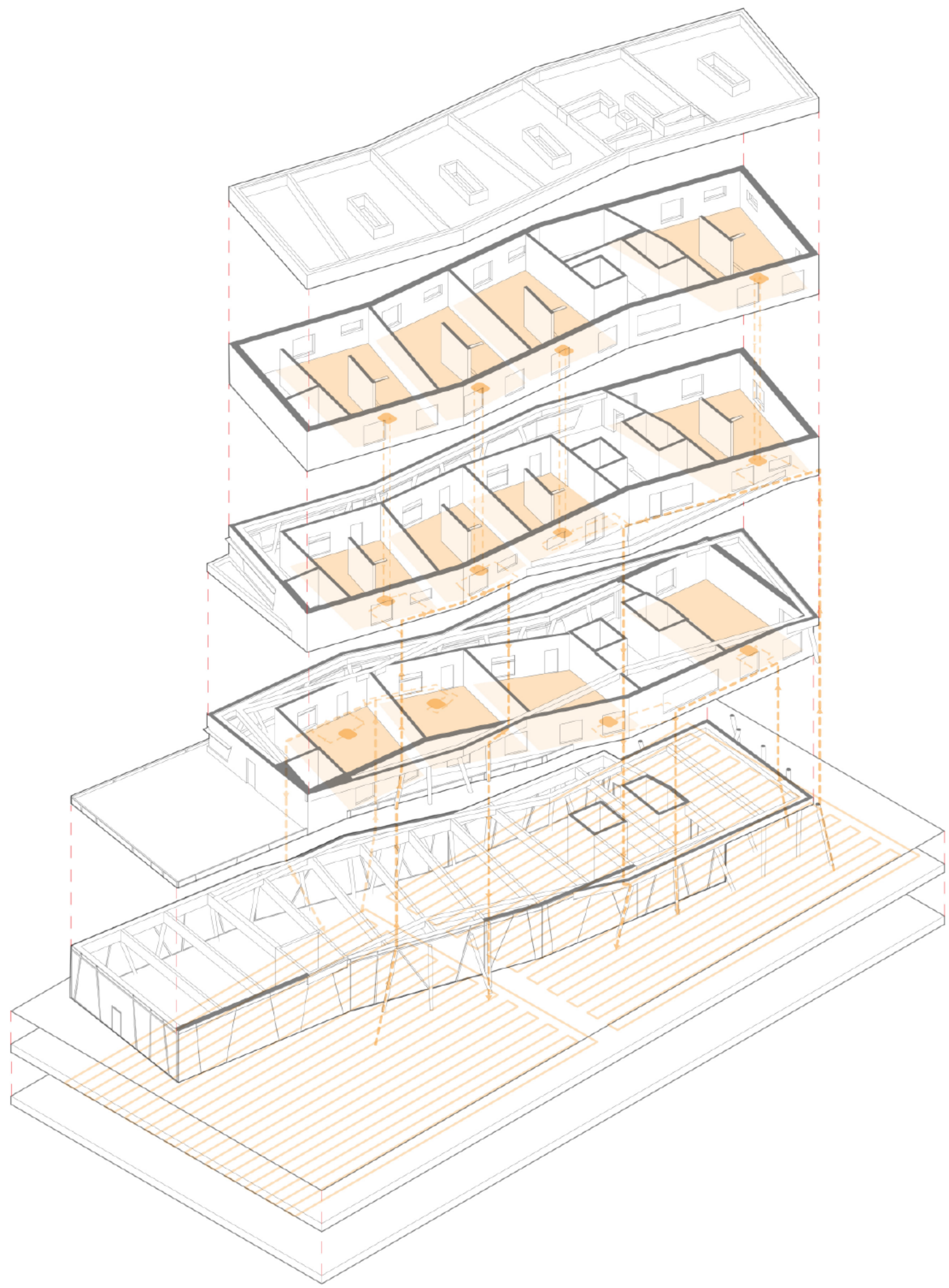


## Underground Parking Plan w/ HVAC

Scale 1:1000

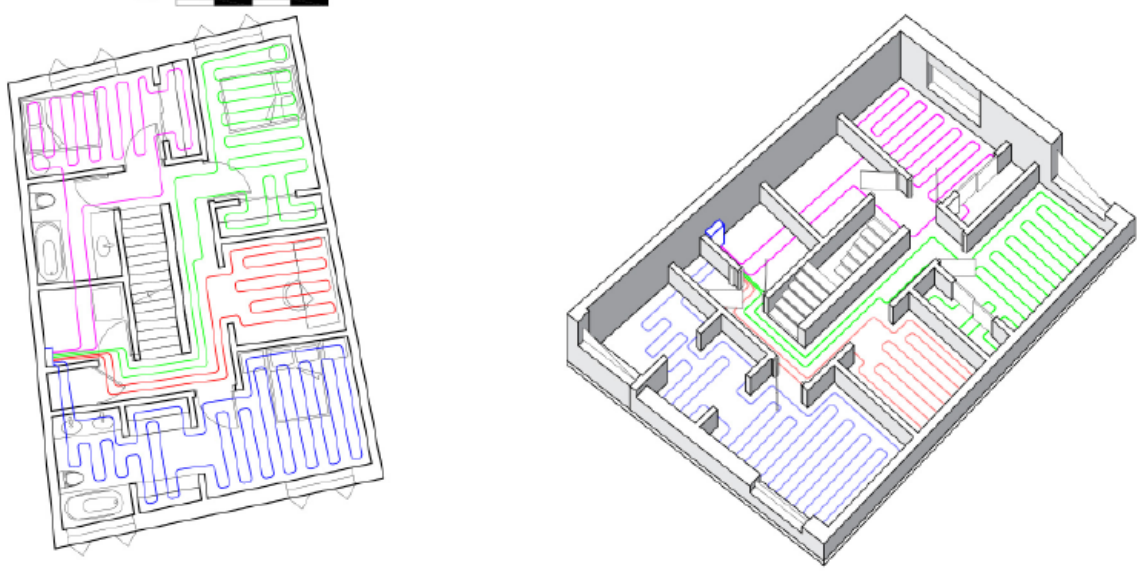


## Geothermal Exploded ISO



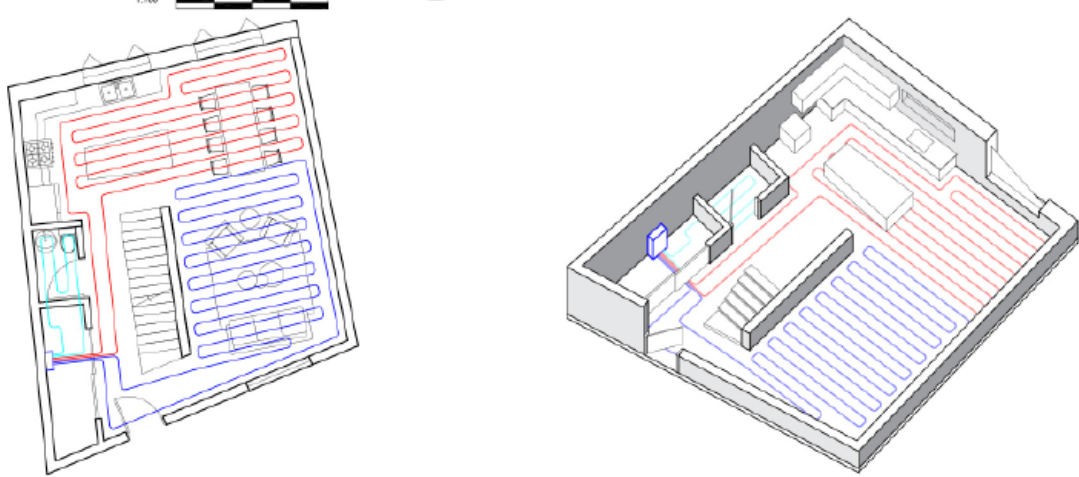
## Geothermal Plan and ISO - Family Unit Second Floor

Scale 1:100



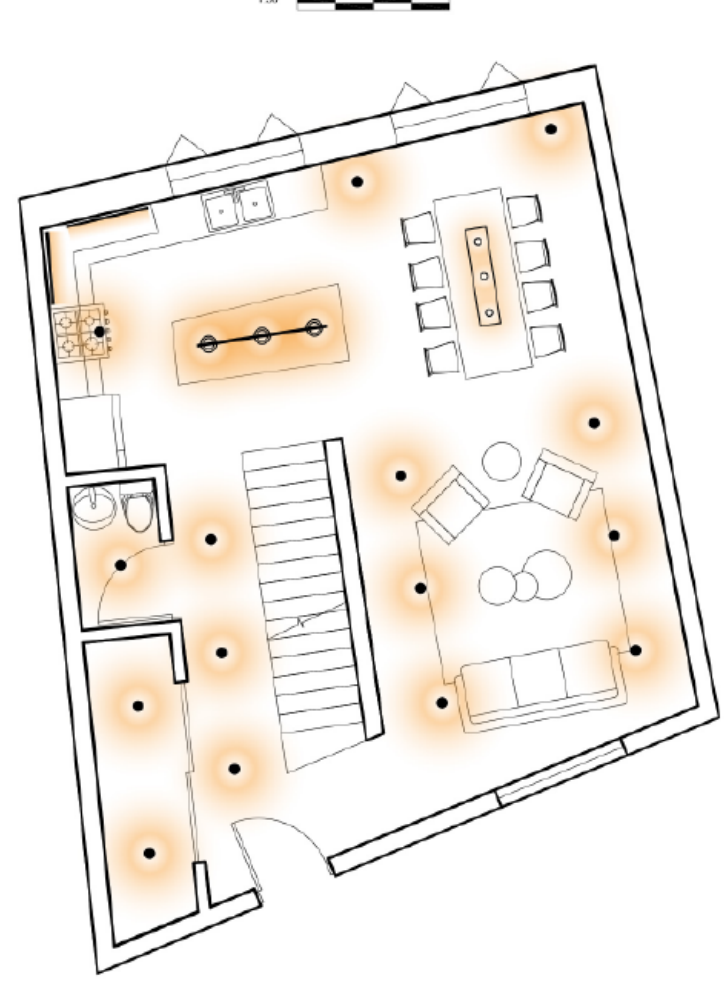
## Geothermal Plan and ISO - Family Unit First Floor

Scale 1:100



## Artificial Lighting Plan - Family Unit Second Floor

Scale 1:50



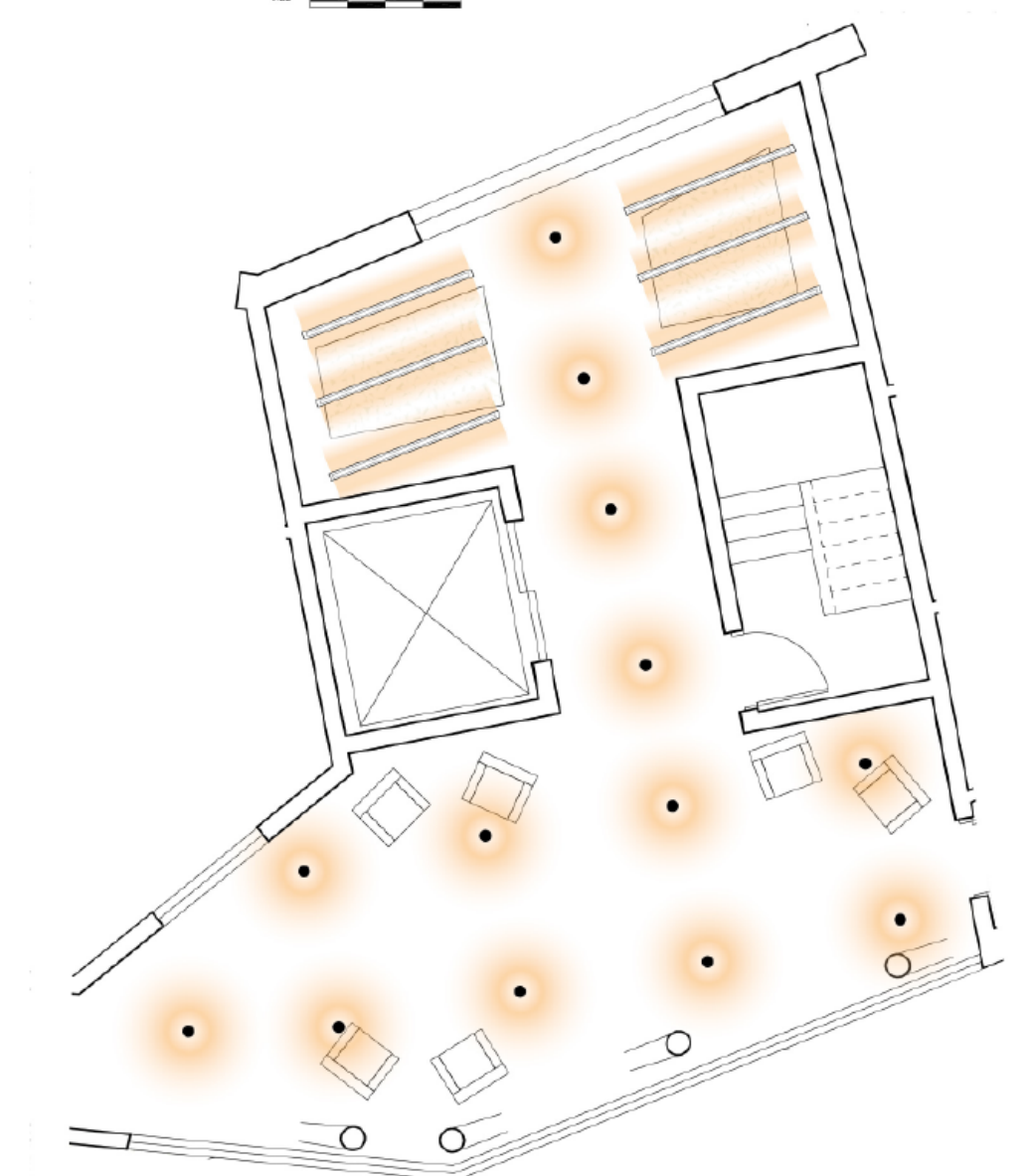
## Artificial Lighting Plan - Family Unit First Floor

Scale 1:50



## Artificial Lighting Plan - Student Common Space

Scale 1:50



## Lighting Section - Fourth Floor

Scale 1:100



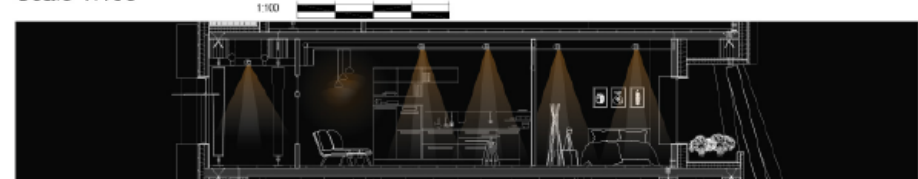
## Lighting Section - Third Floor

Scale 1:100



## Lighting Section - Second Floor

Scale 1:100



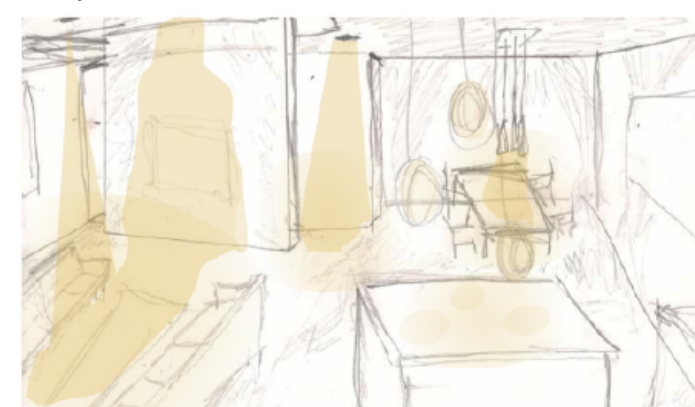
## Lighting Section - First Floor

Scale 1:100



## Lighting Sketches

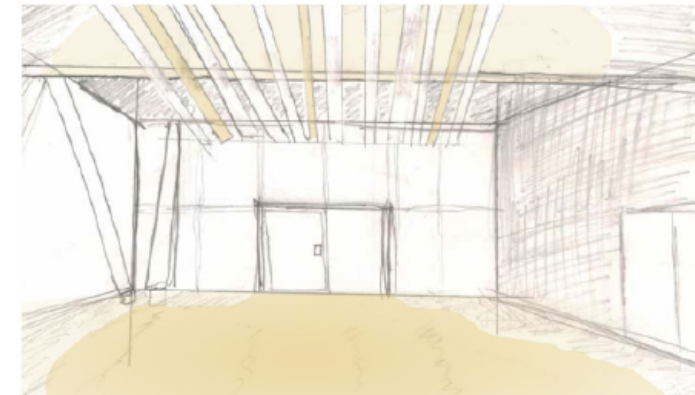
Family Unit



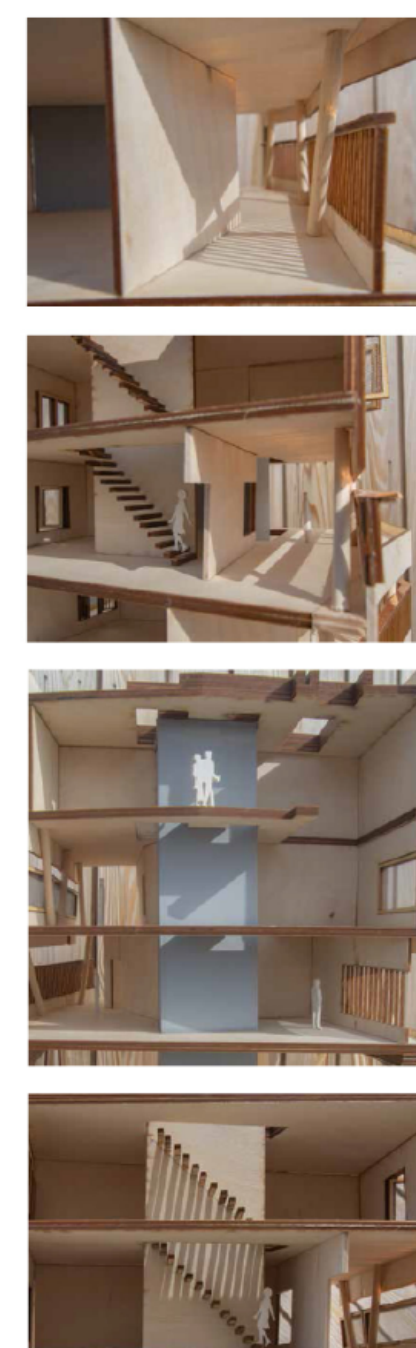
Residential Corridor



Entrance

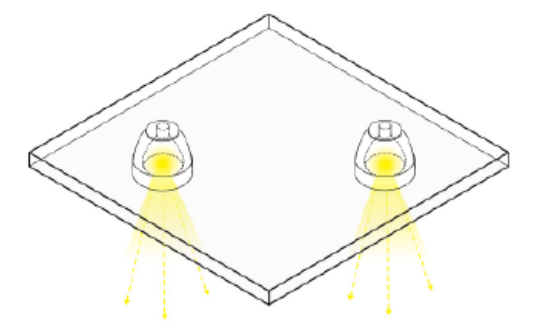


## Daylighting Model

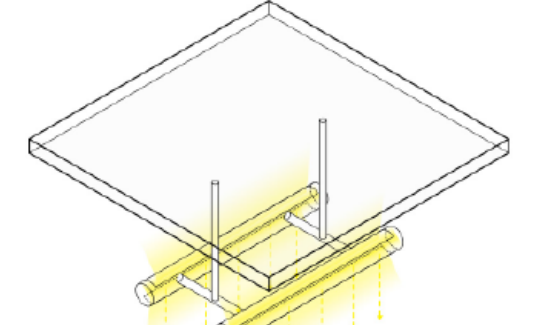


## Artificial Lighting Units

Directional Pot Lights



Direct | Indirect Bar Lights



Diffuse Pendant Lights

