

LIVING GATEWAY

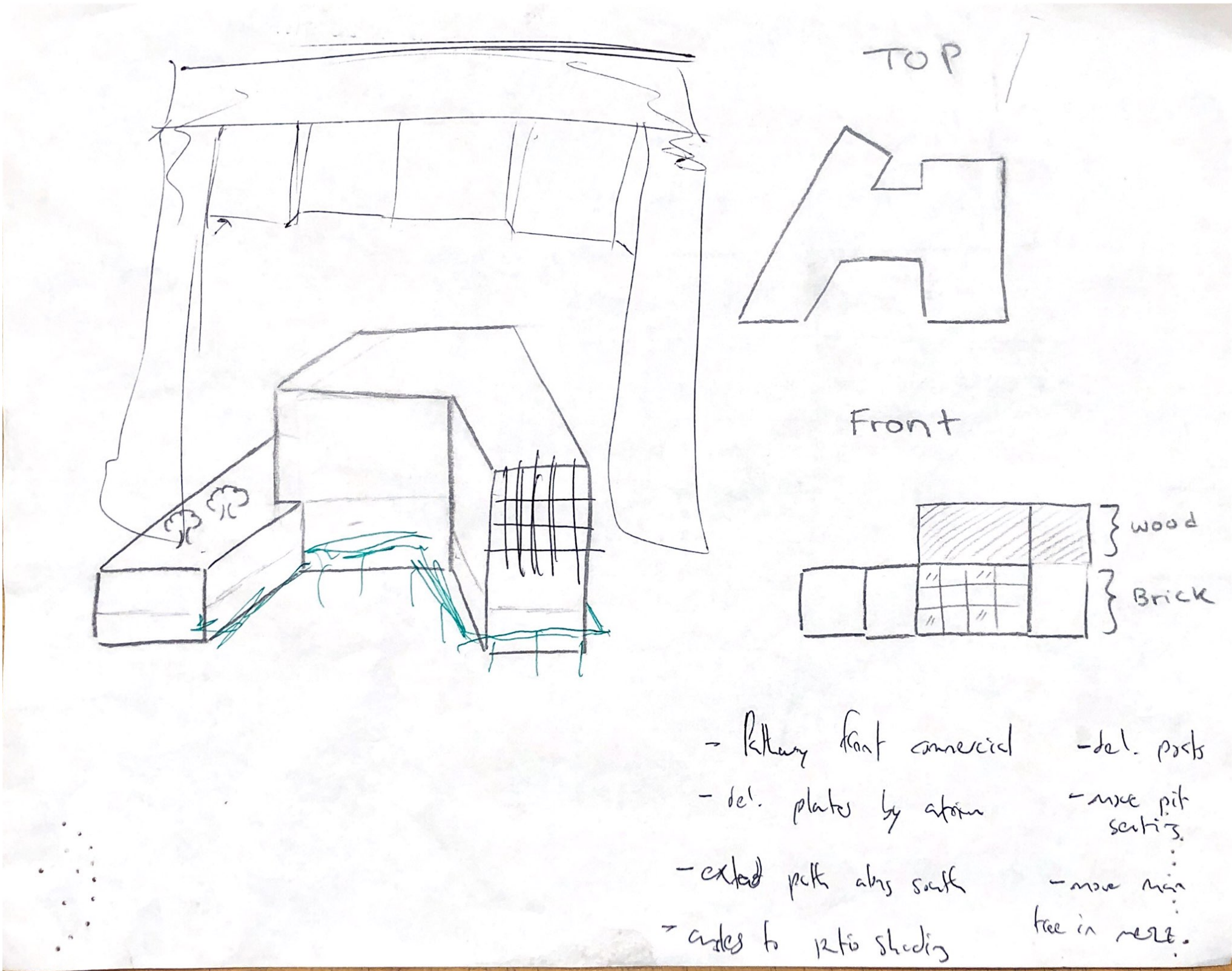
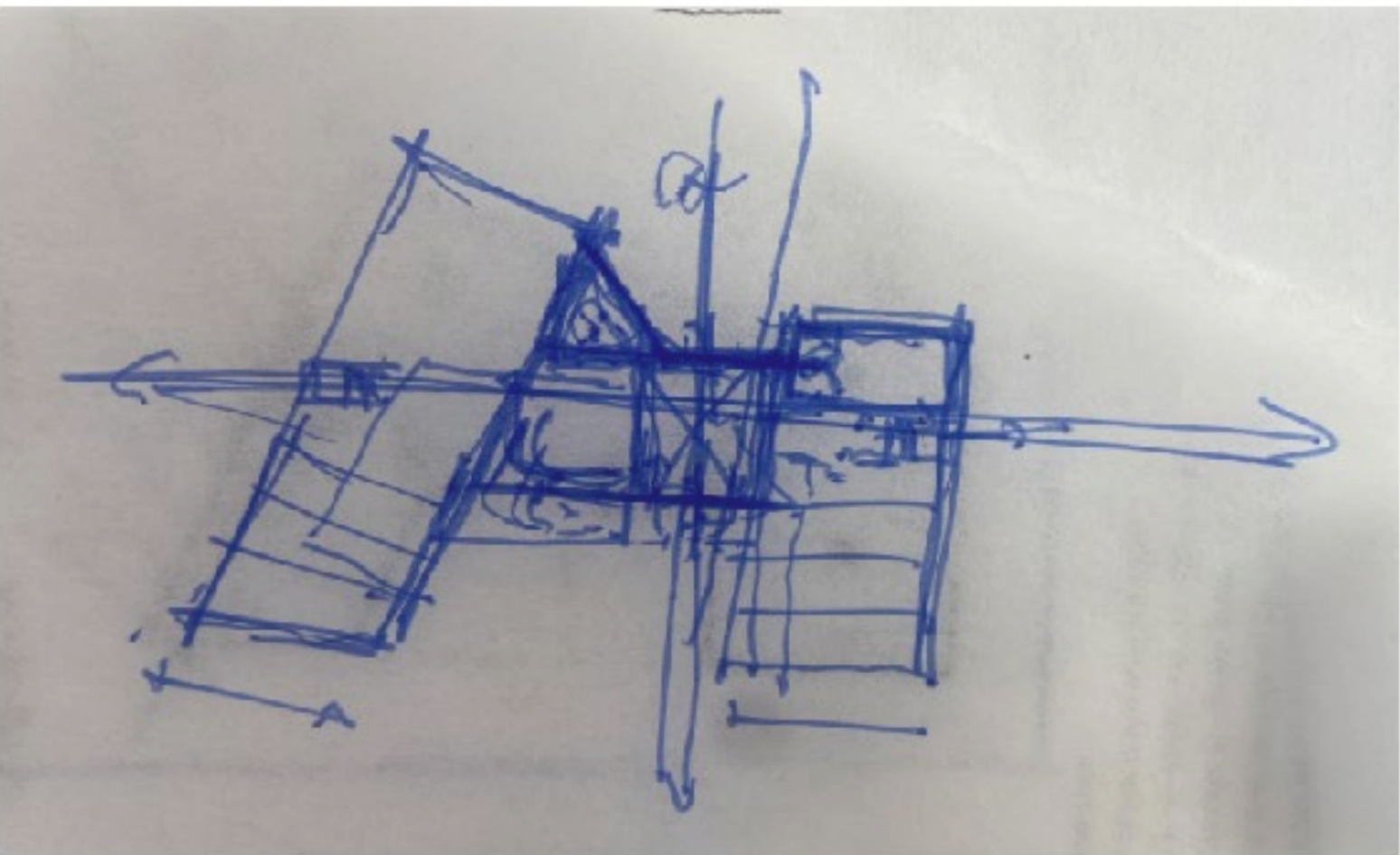
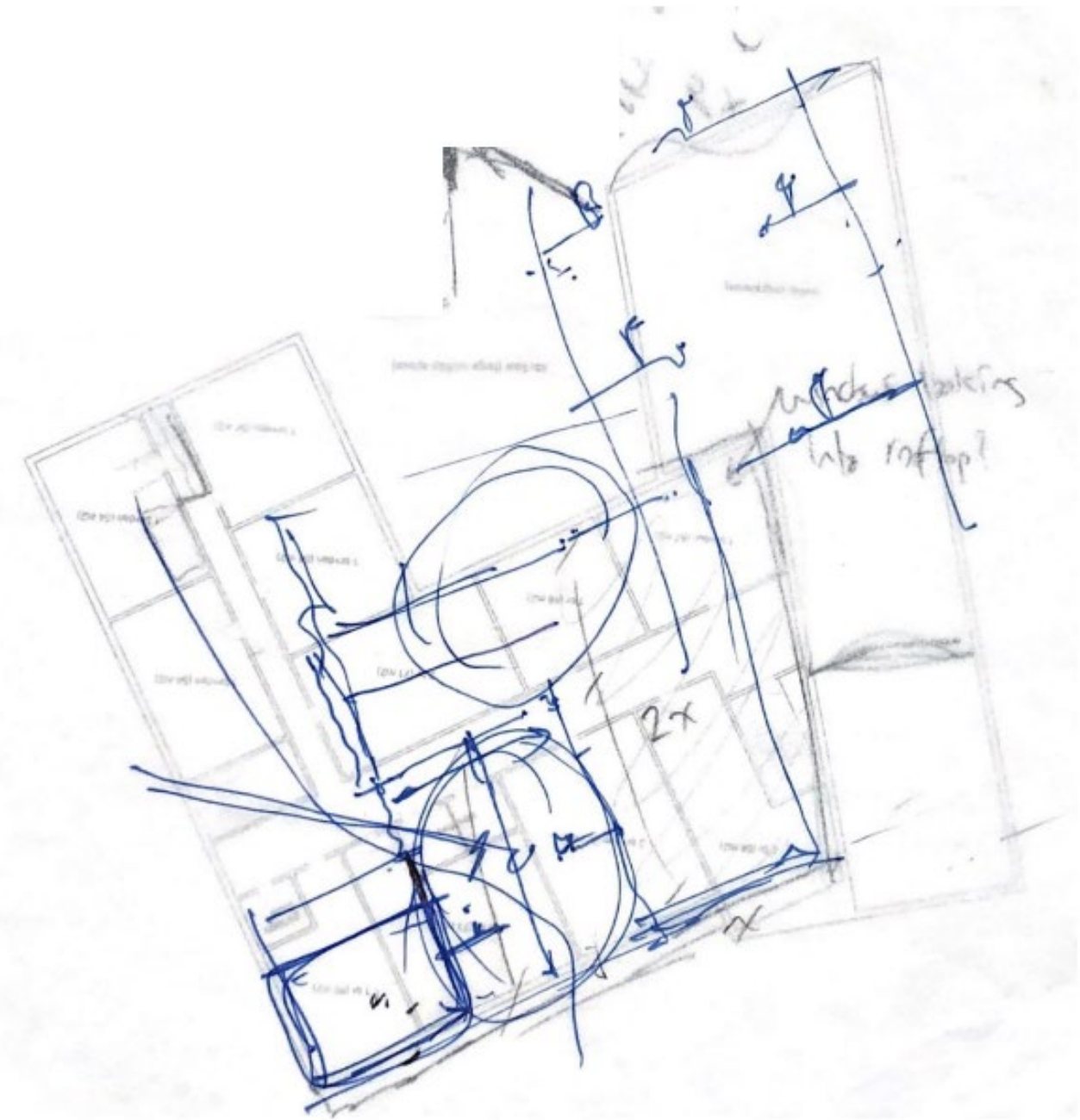
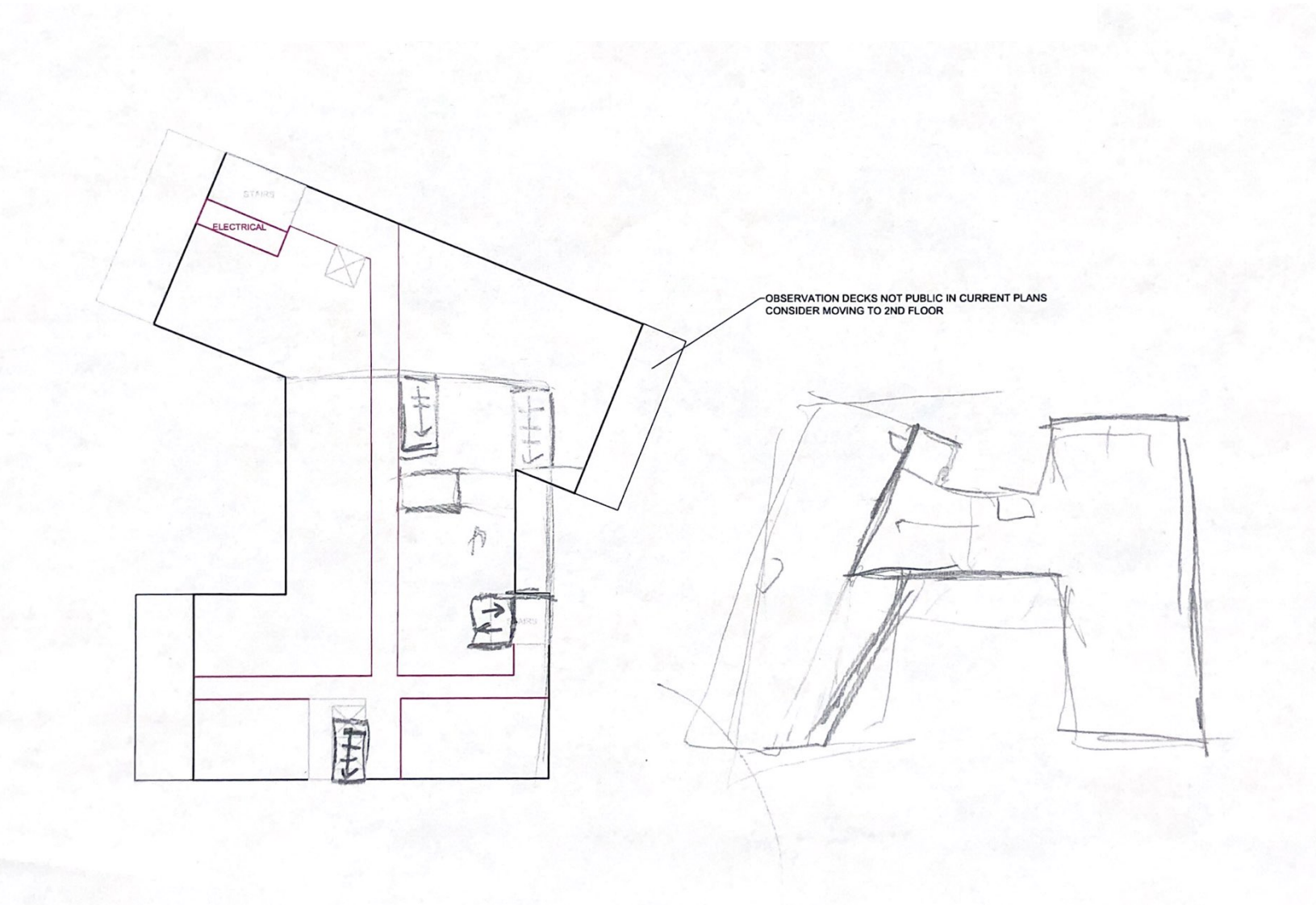
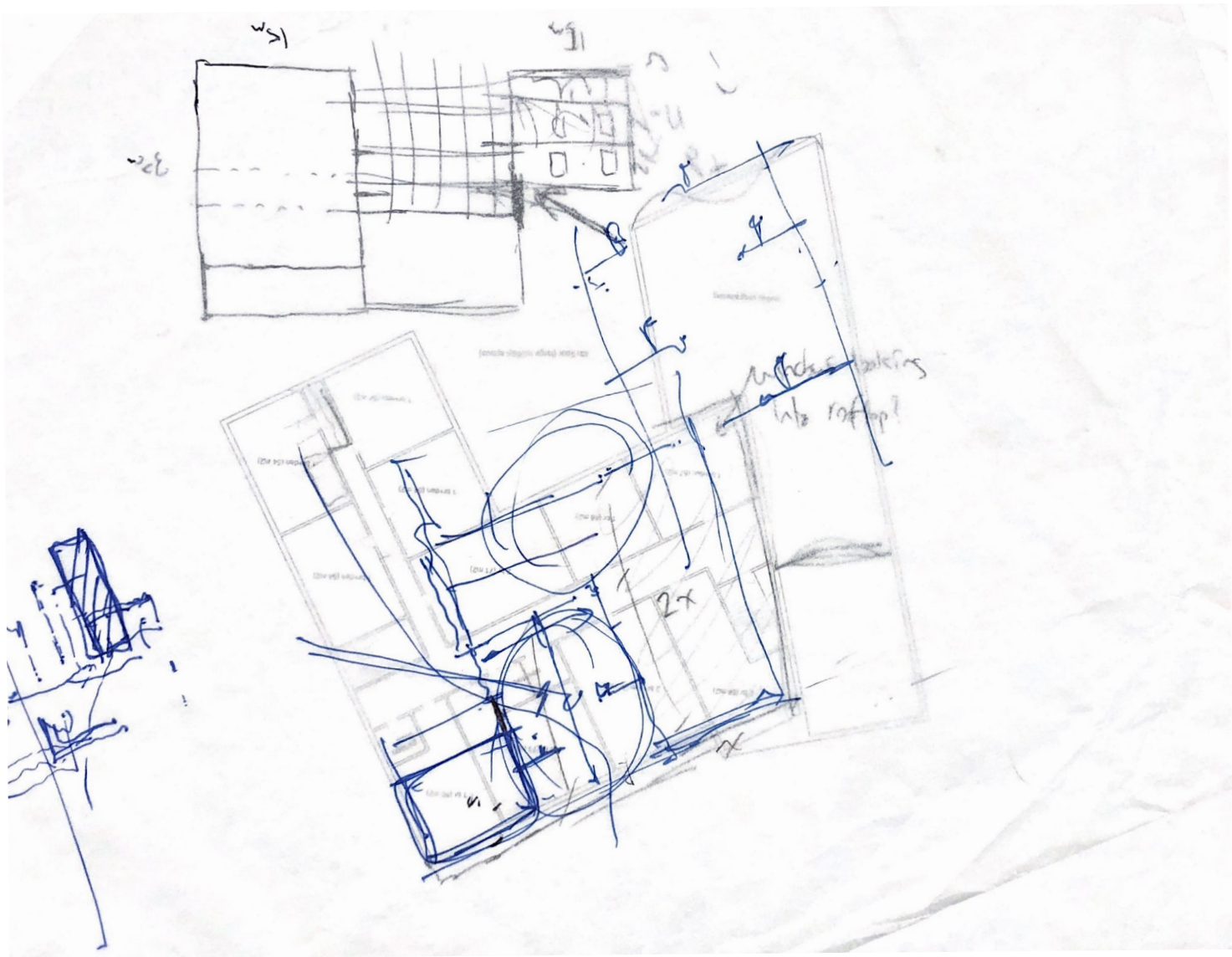
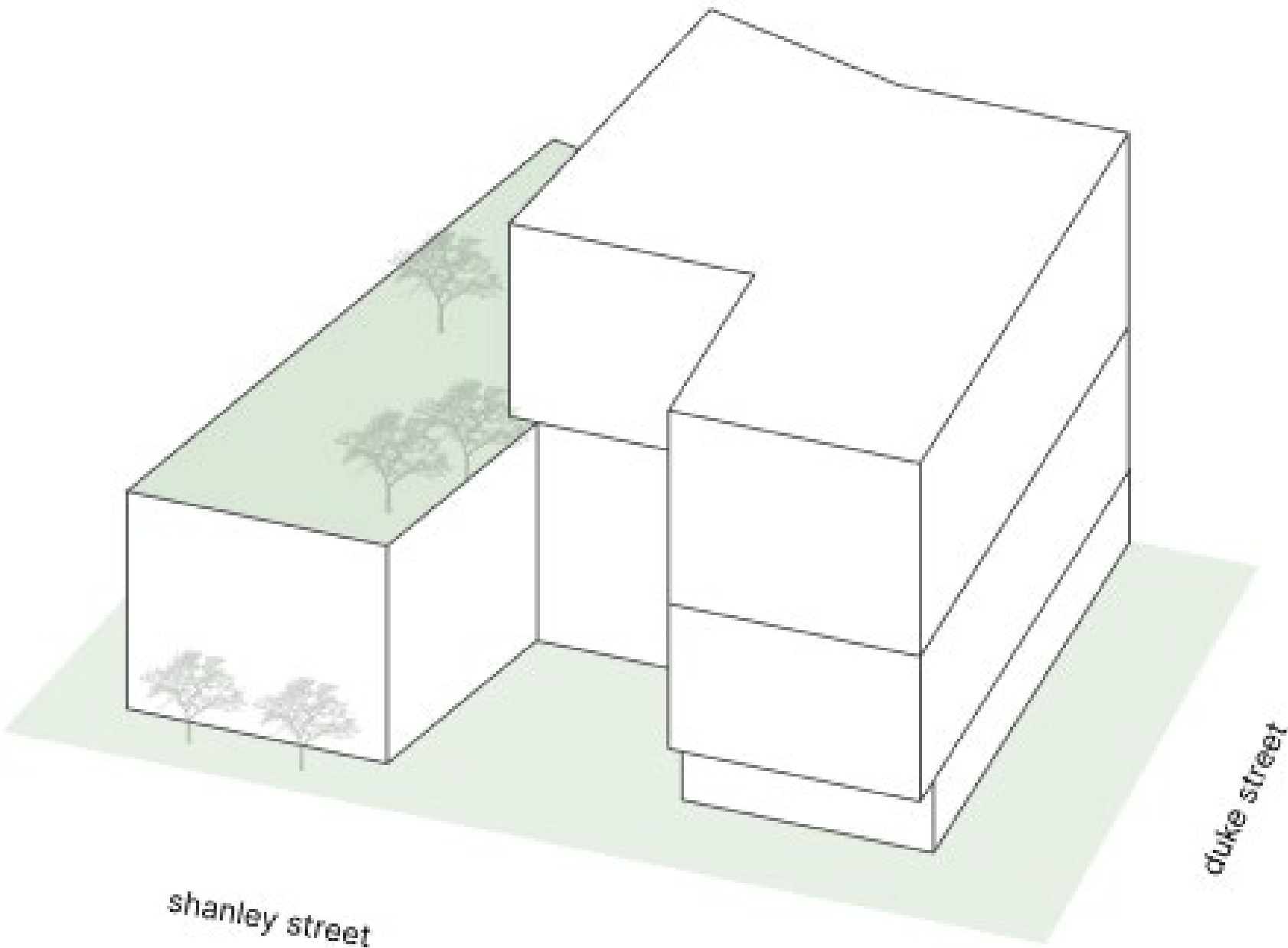
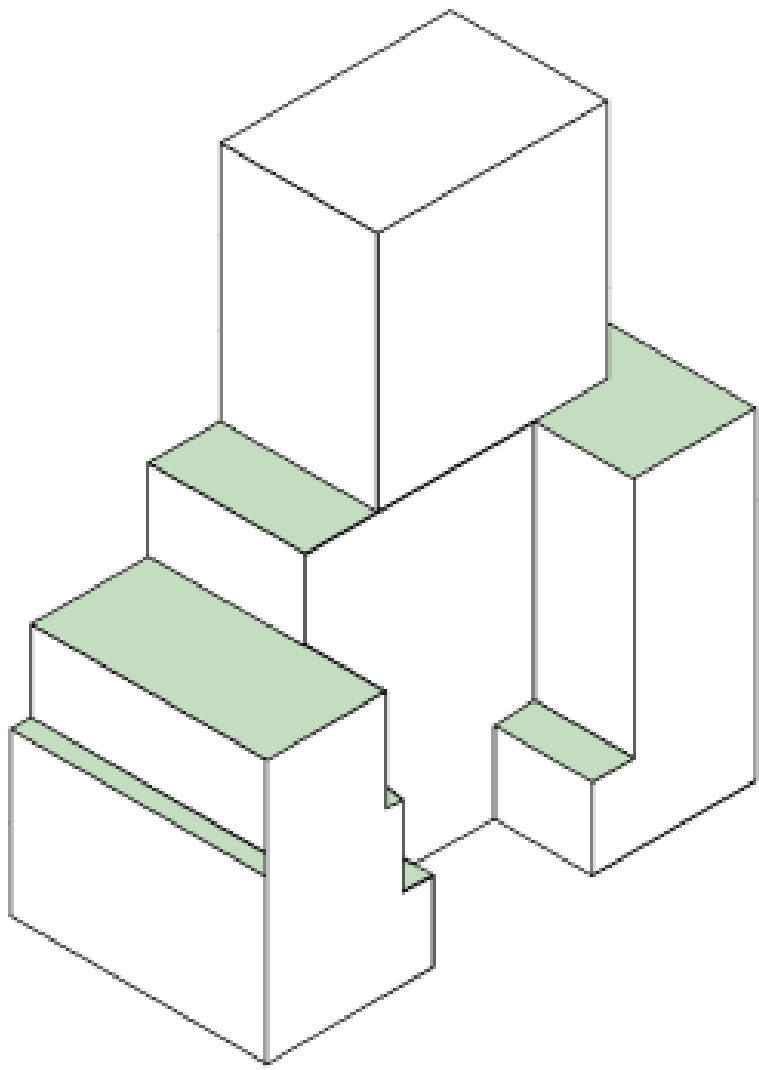
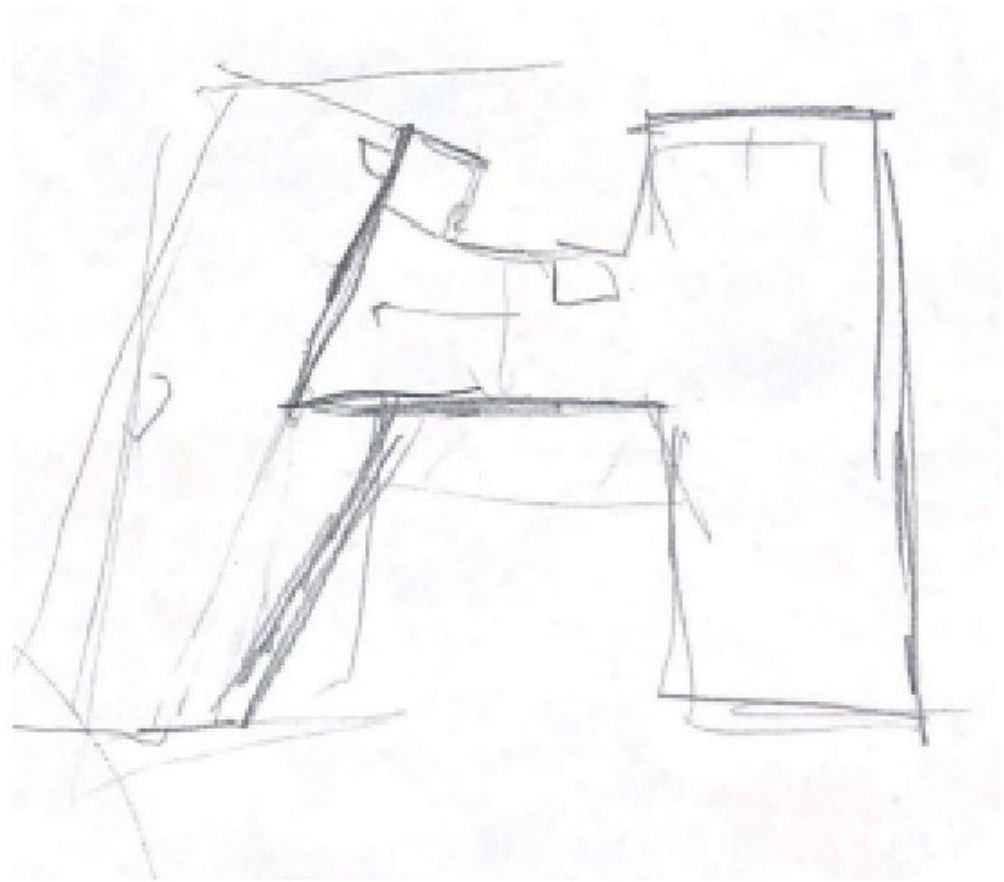
152 shanley street

Ryan Williams
Vanessa Szymanski
Ralph Snabian
Samuel Lyon



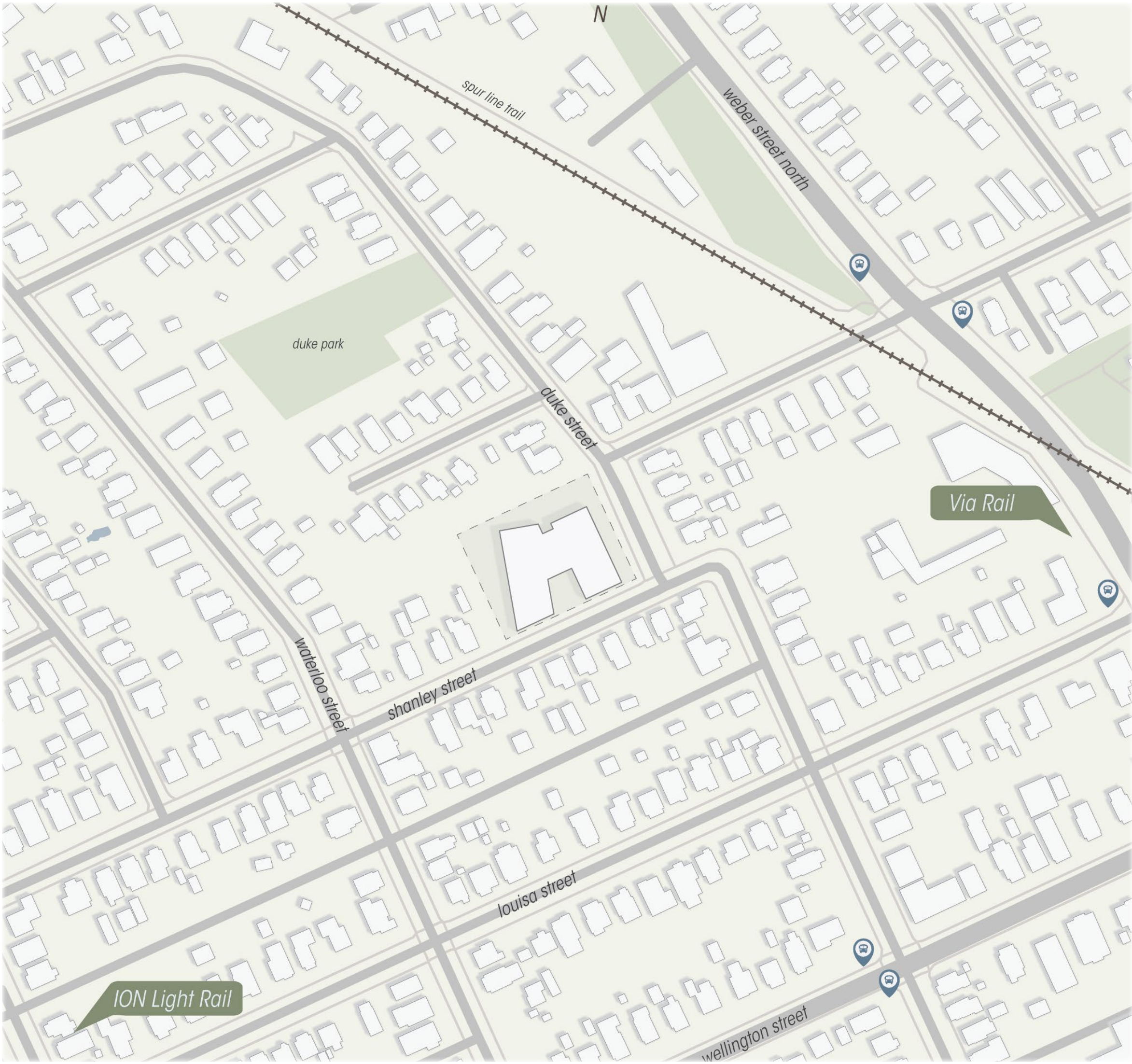
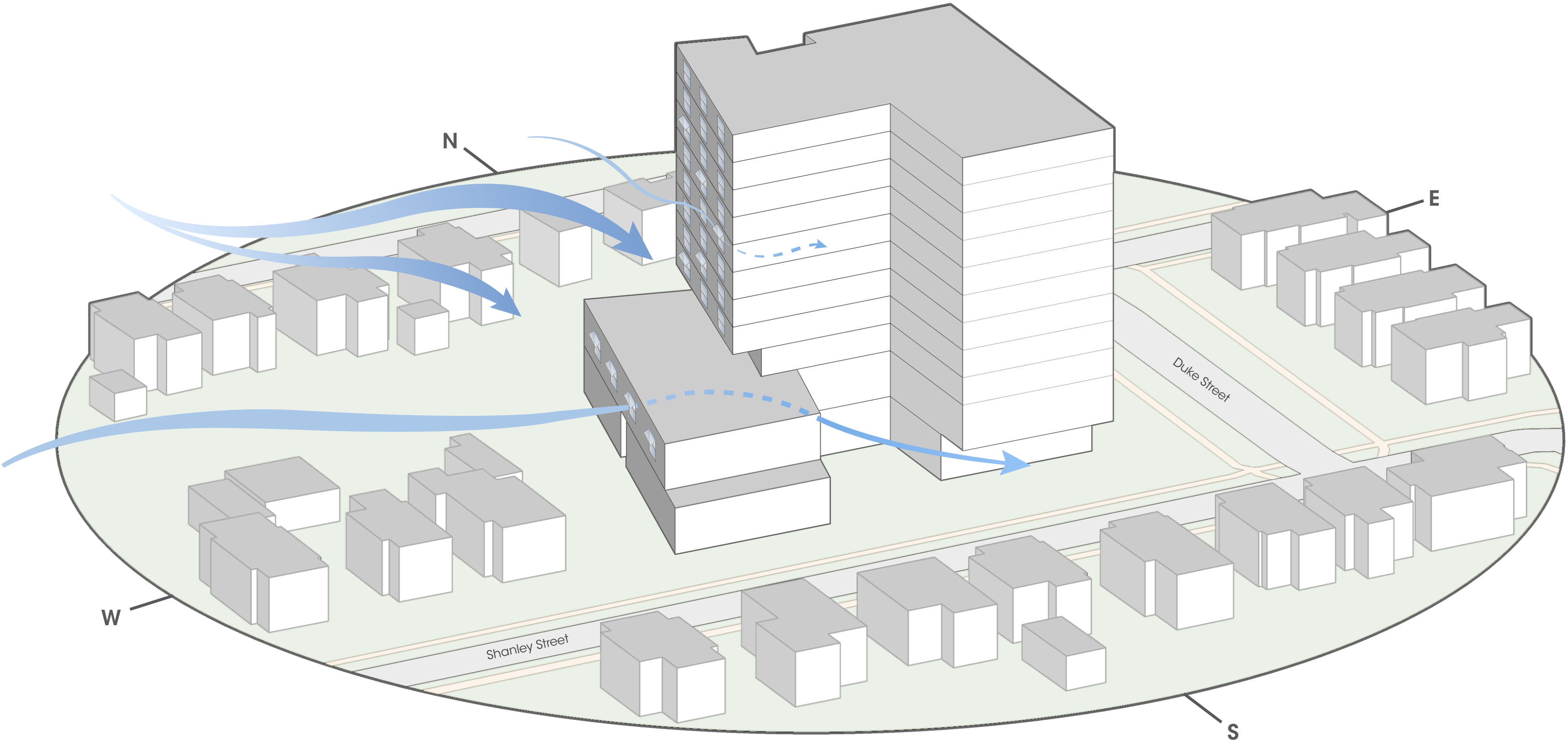
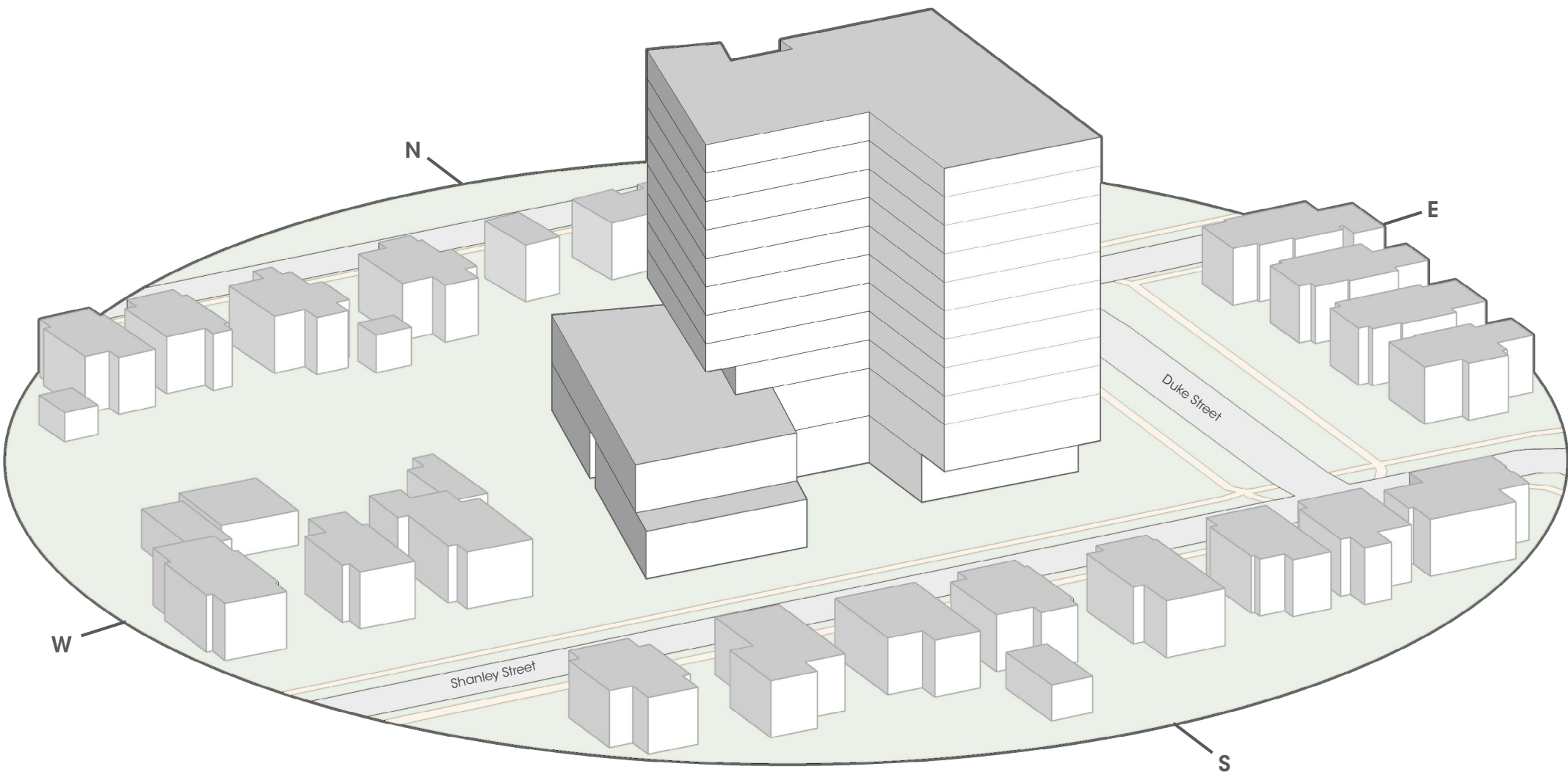
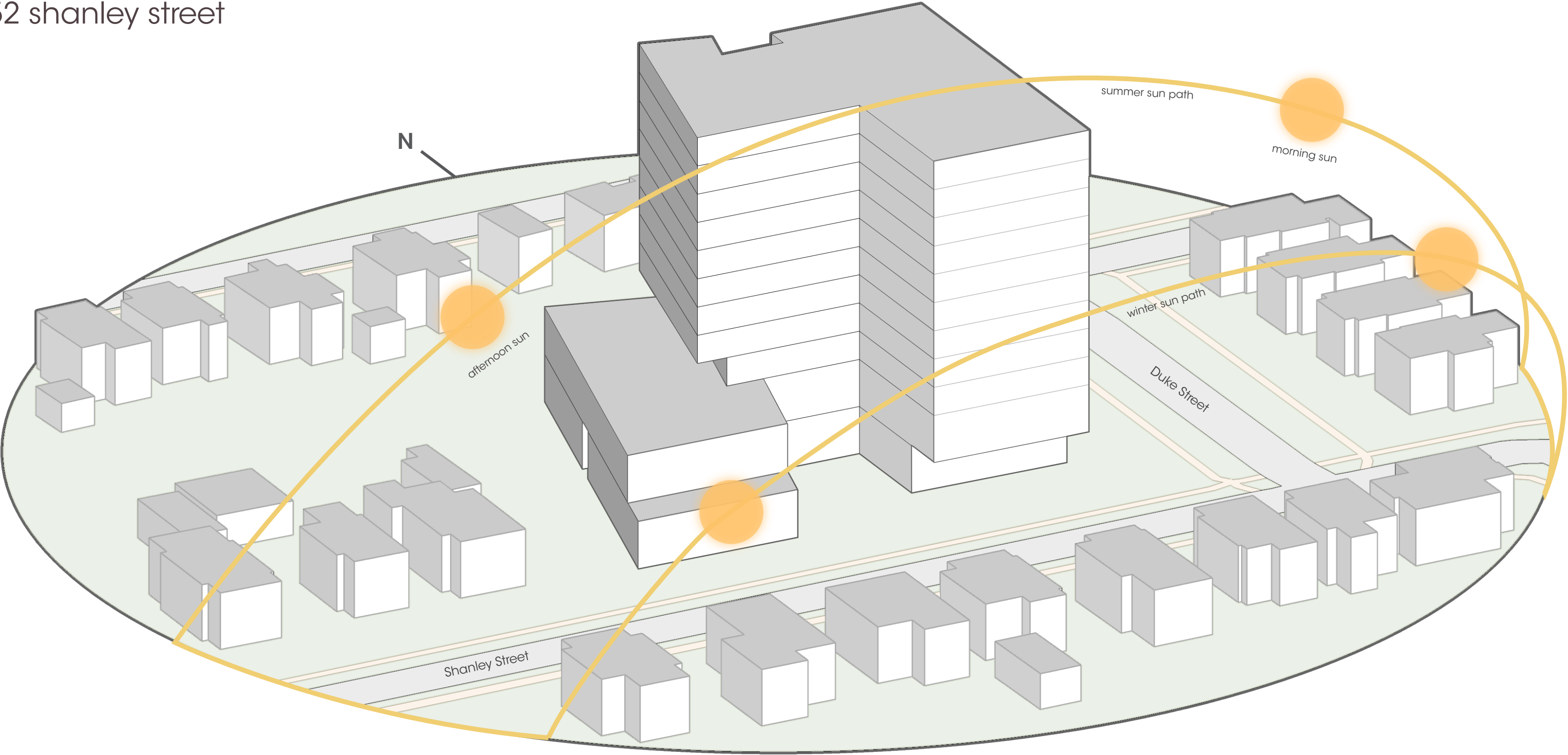
idea development

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site context

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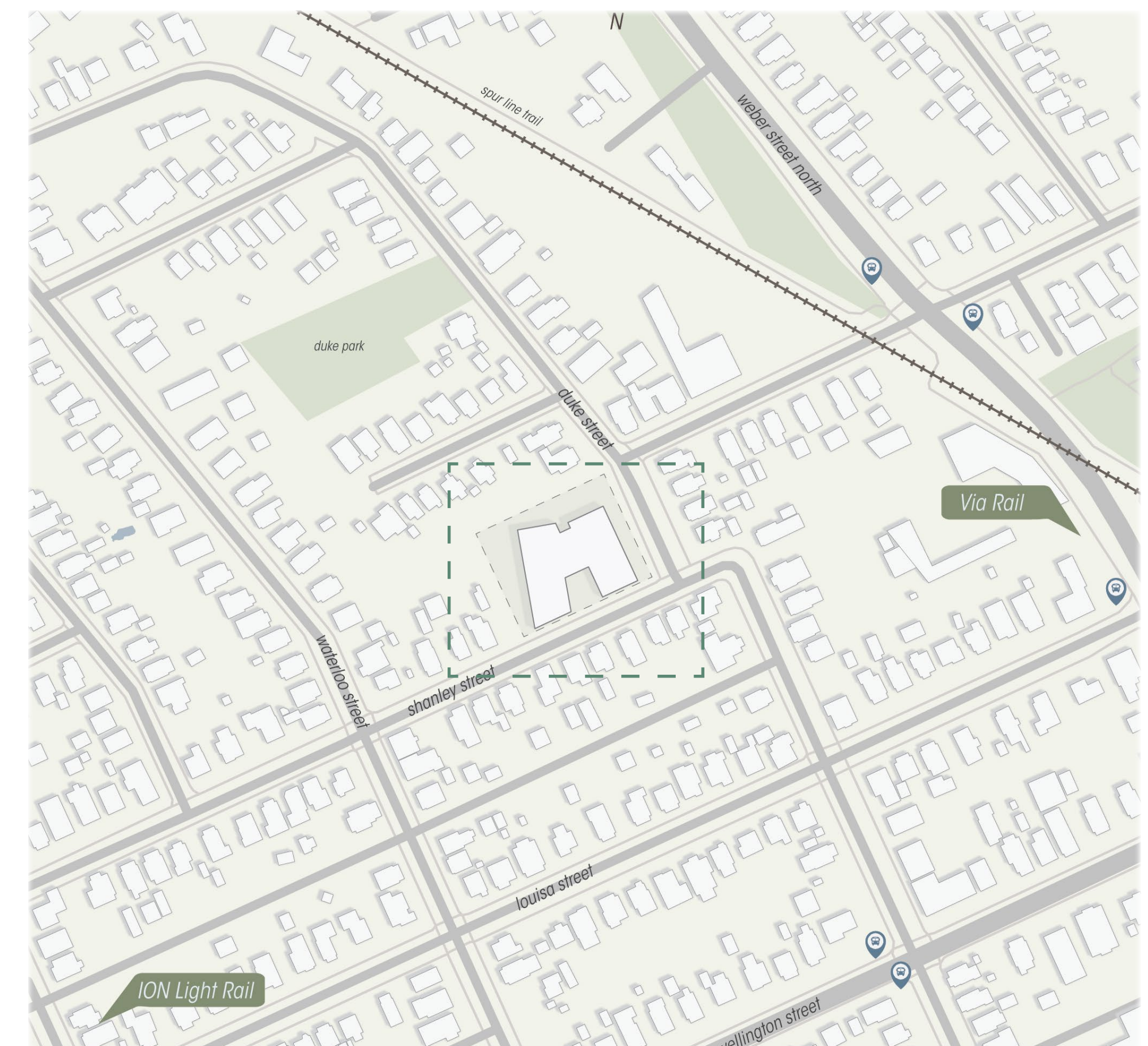
site

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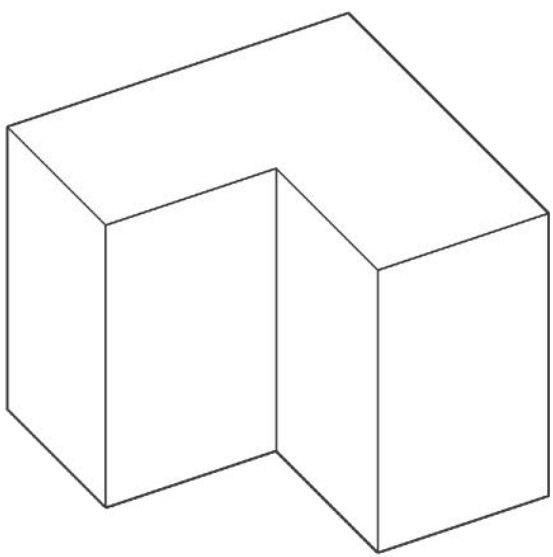
Goals

- Clear separation of spaces for residents and visitors
- Clear axis for ground-level circulation
- Orient the facades to make use of passive heating / cooling strategies
- Respect neighborhood context by strategically placing predominant building mass
- Emphasize patio and rooftop spaces for outdoor programming

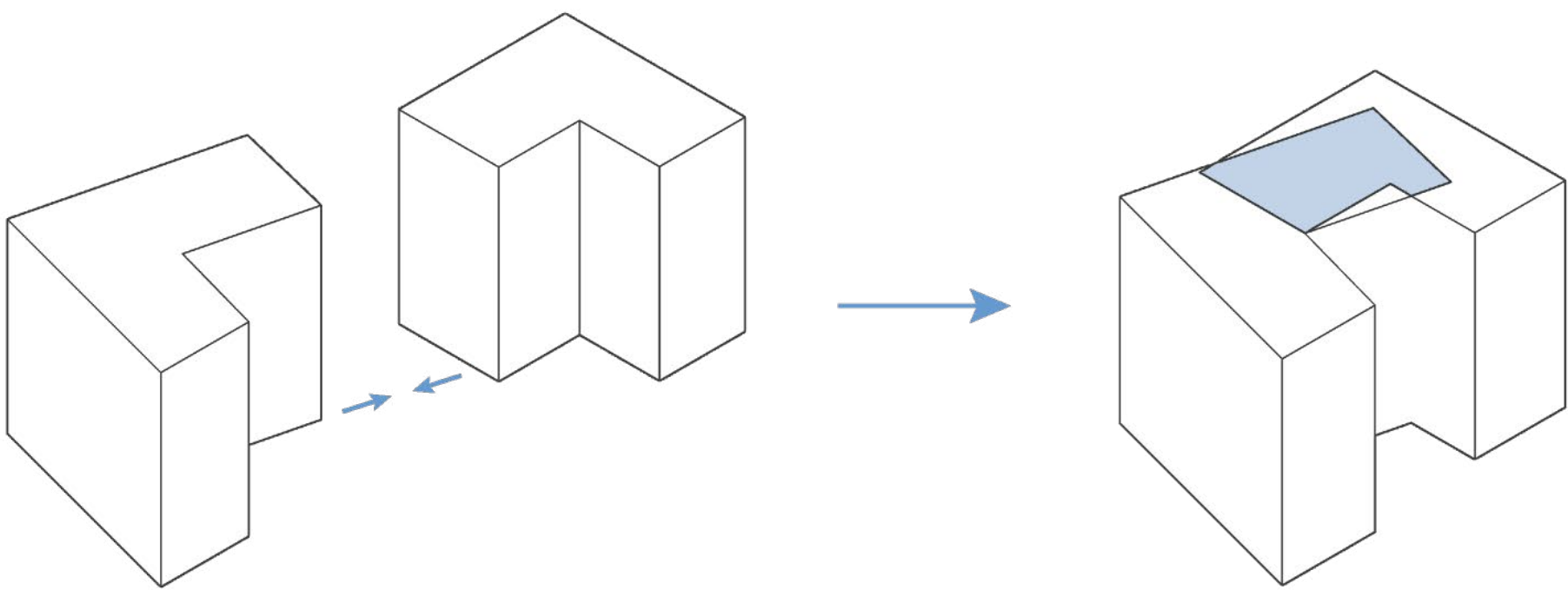


massing development

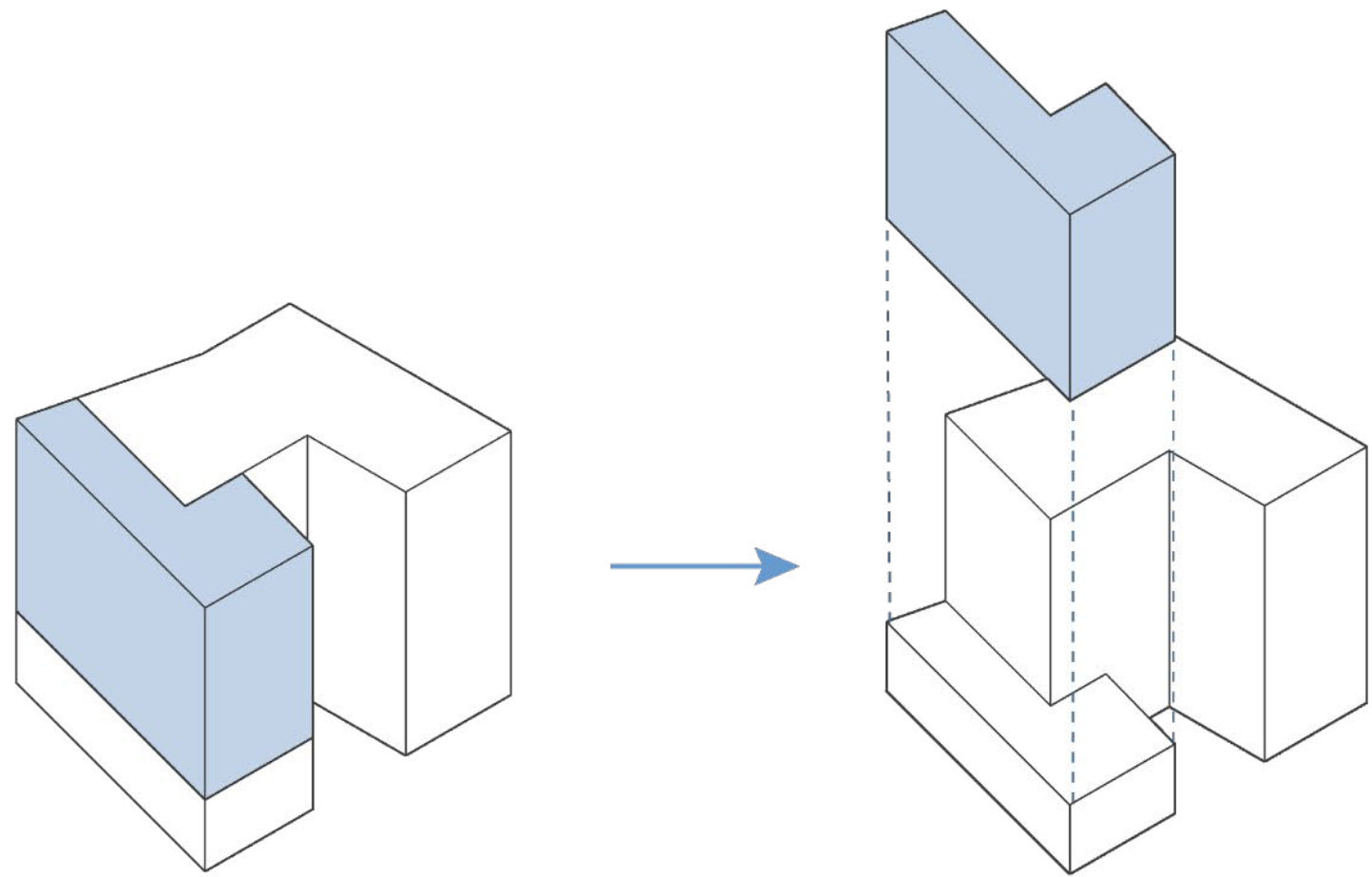
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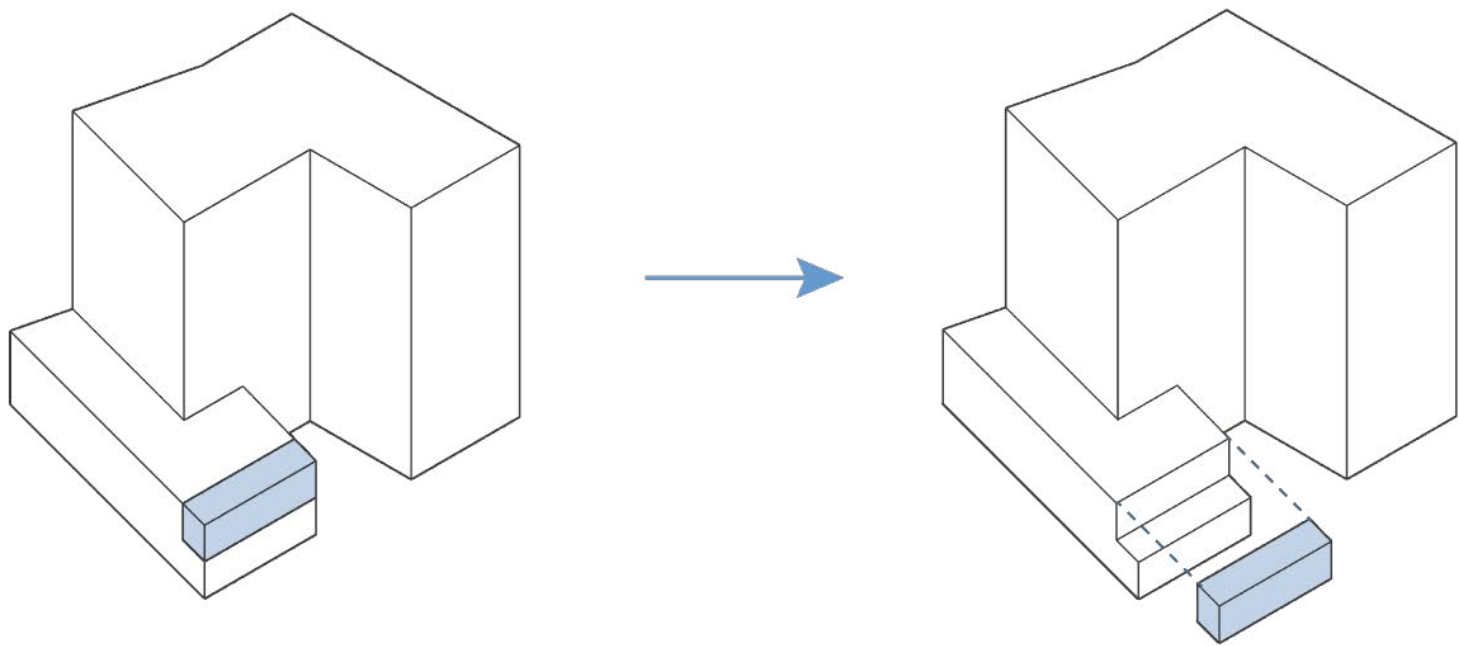
Base volume



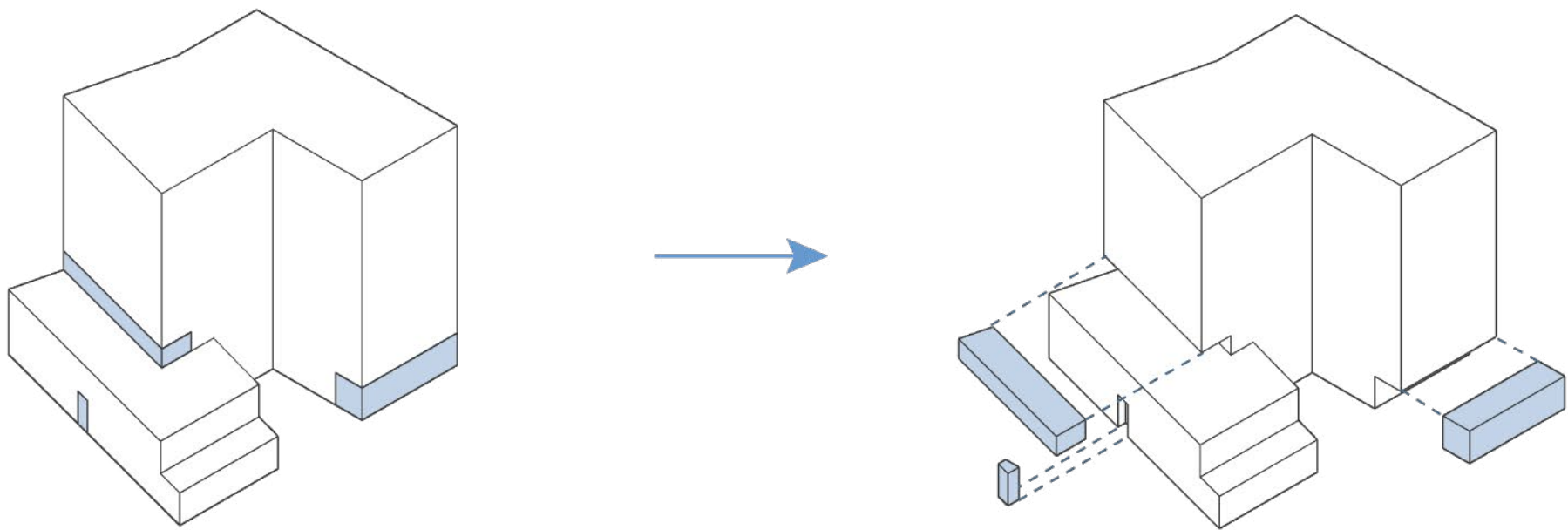
Interlocked two L-shaped volumes to form a U-shape



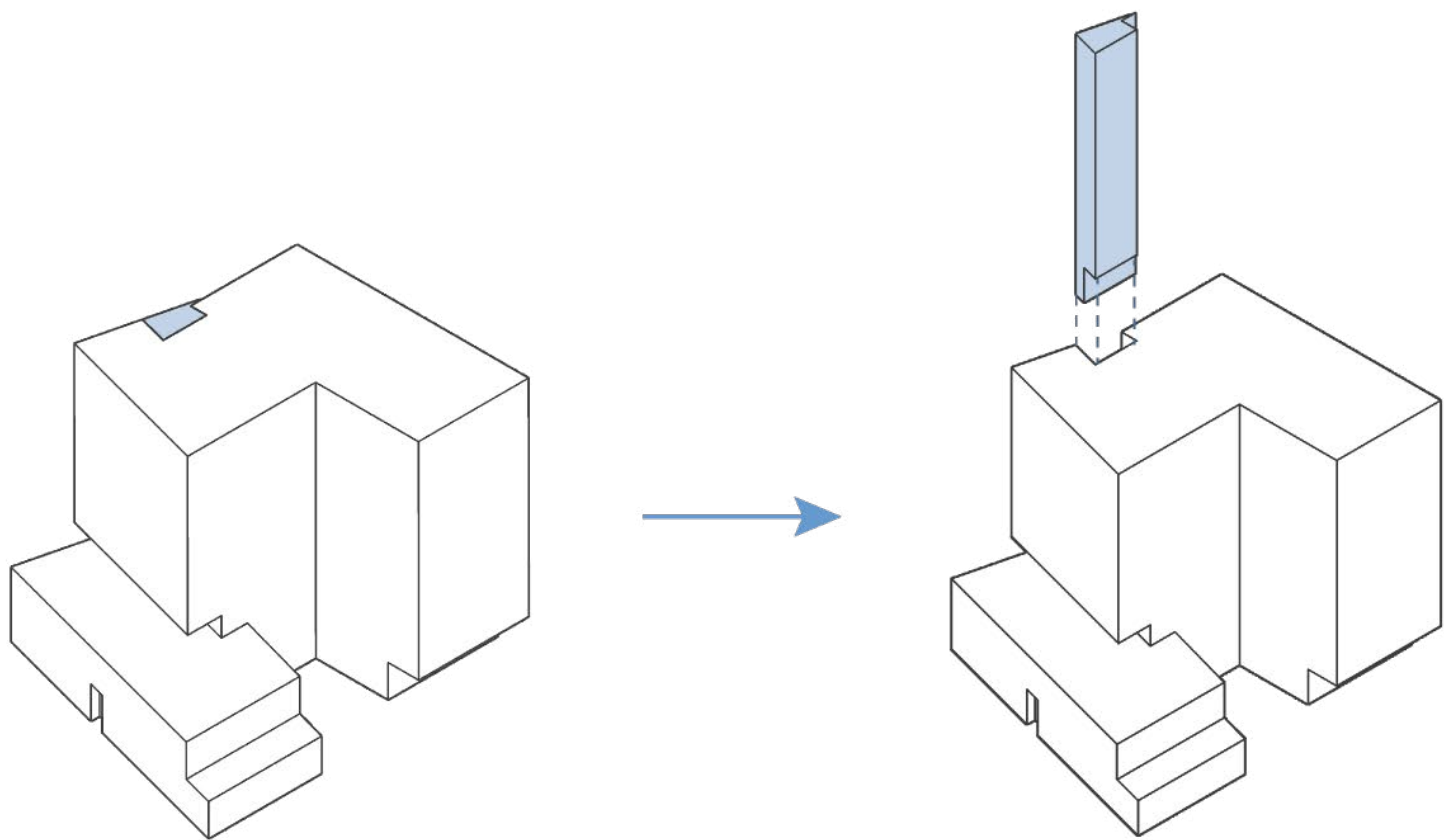
Carved section from one side to create a plinth



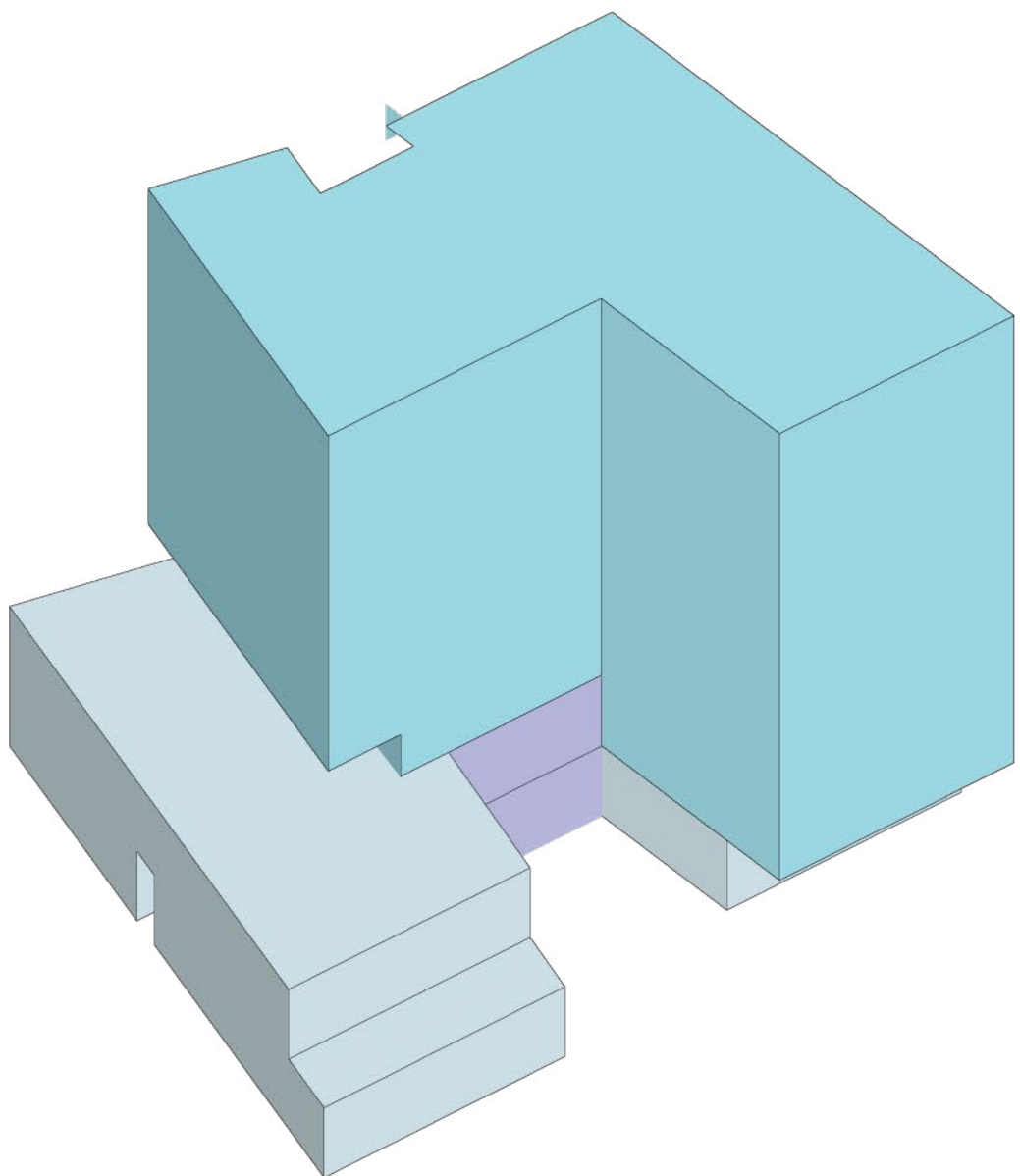
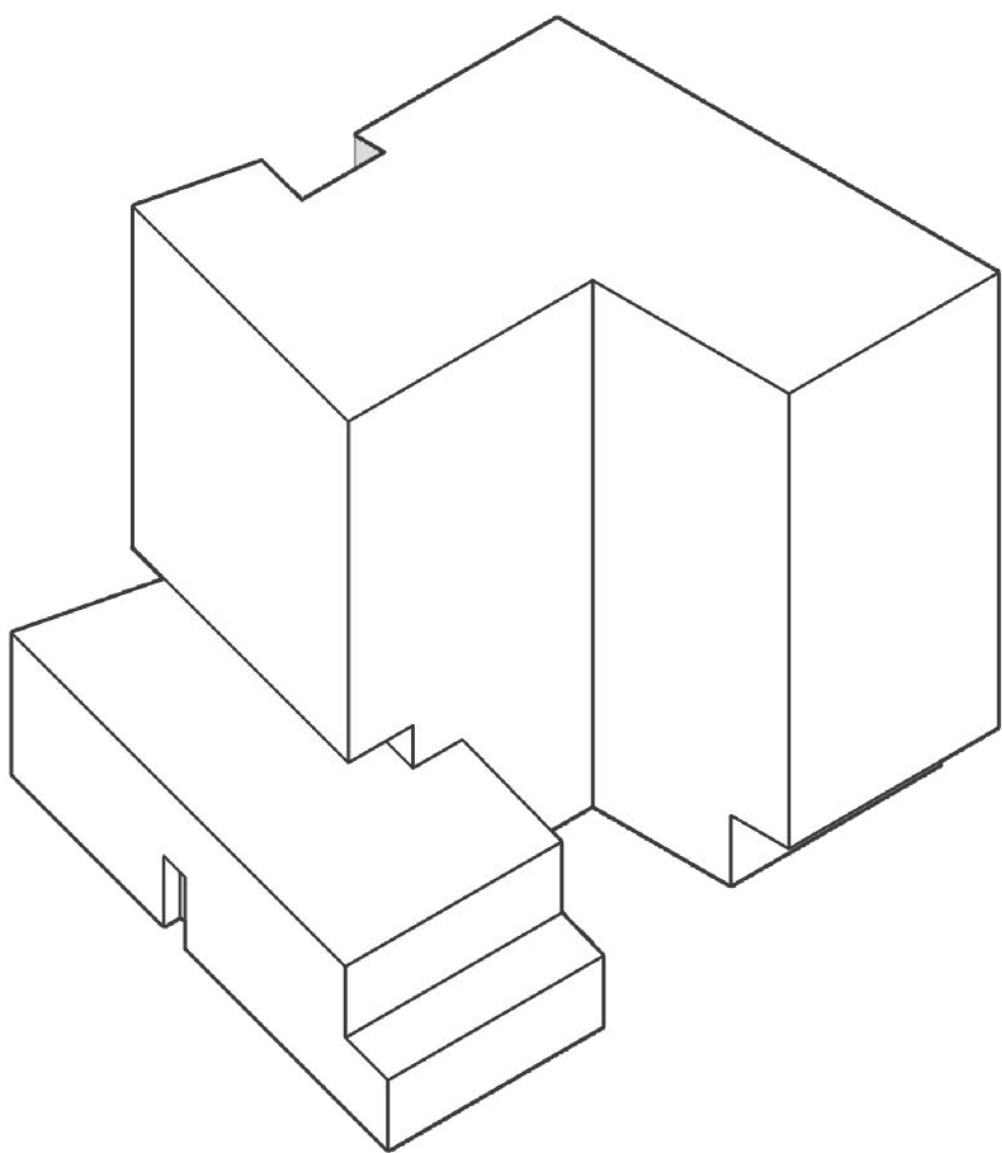
Graded front section to create outdoor space



Carved various shapes out of building to create cantilevers and entryways



Inscribed a small area to separate spaces within building



- commercial space & amenities
- residences
- lobby with atrium

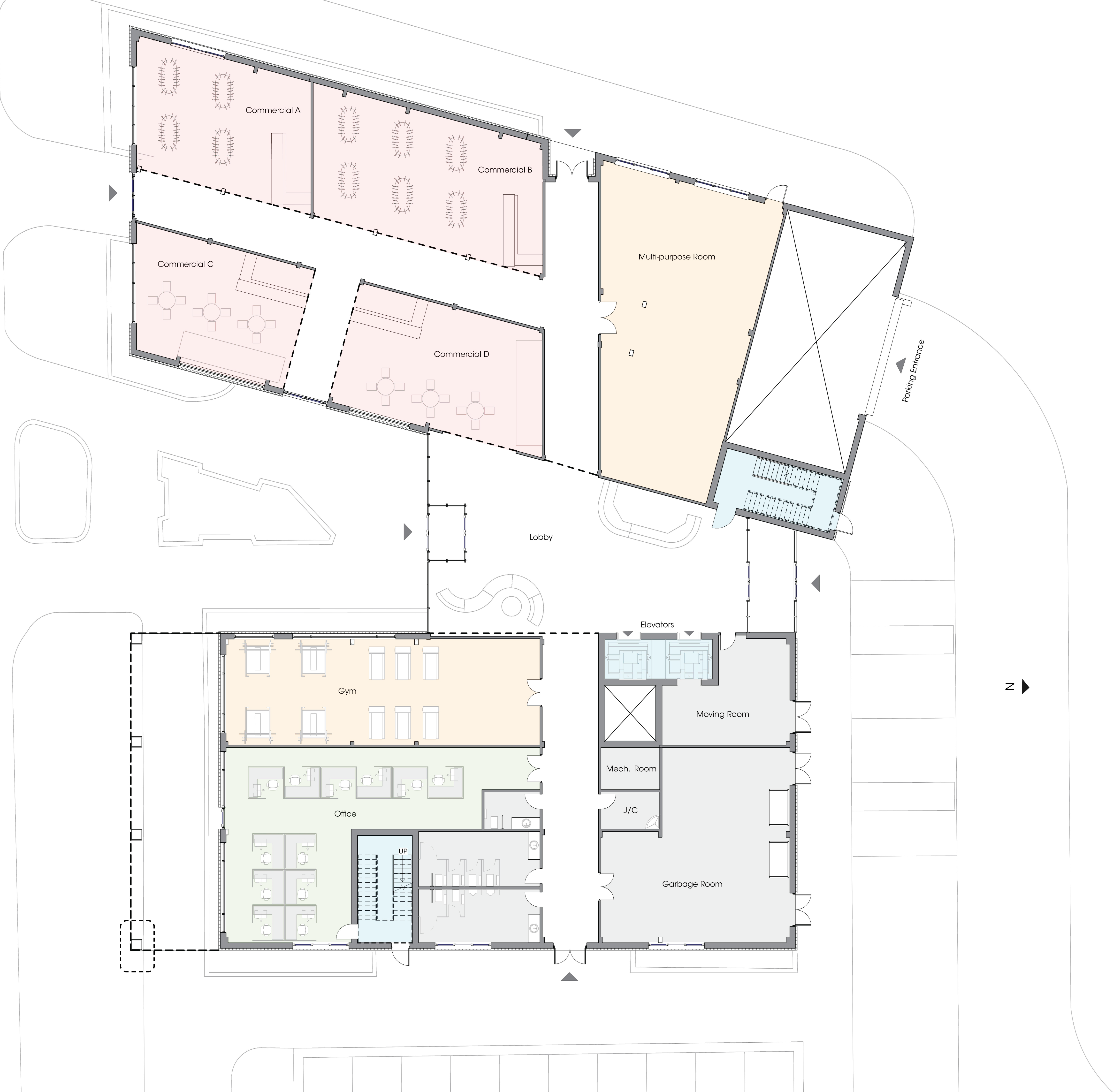
ground floor

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ground floor

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third floor

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typical residential floor

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mechanical & structural plans

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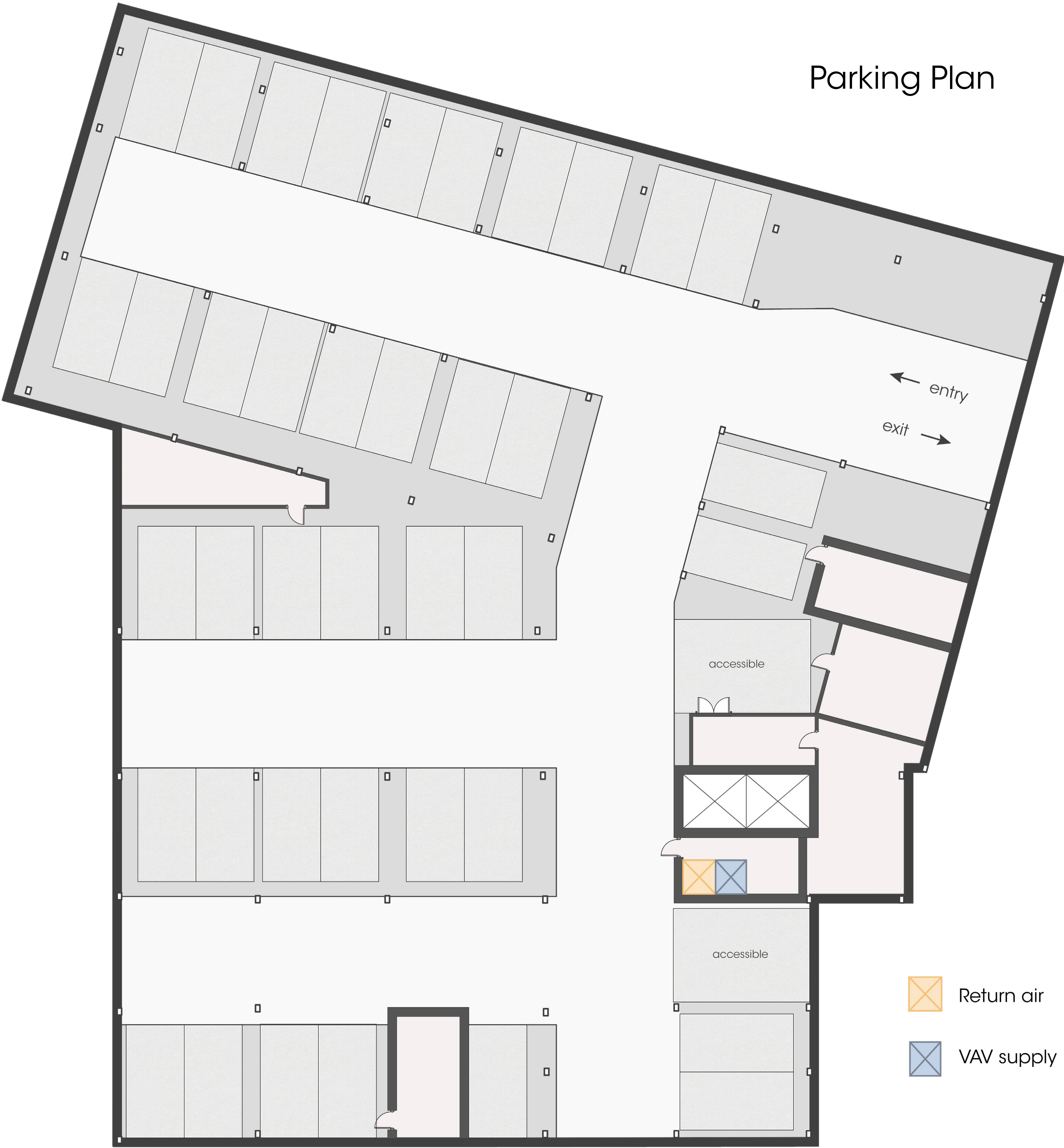
Mechanical

- 2 main HVAC systems.
- 1-2 Air-Water heat pumps per unit, depending on unit-specific demand, to serve 20000m3 of residential volume
 - water-to-air heat pump, rooftop chiller(s), and water boilers will be necessary to utilize such a system
 - variable air volume (VAV) system to condition roughly 9500m3 of commercial / public volume

Structural

- steel frame building, 3 principal member types:
- W310 beams
- W250 lower level columns
- H190 upper level columns

Parking Plan



- Return air
- VAV supply

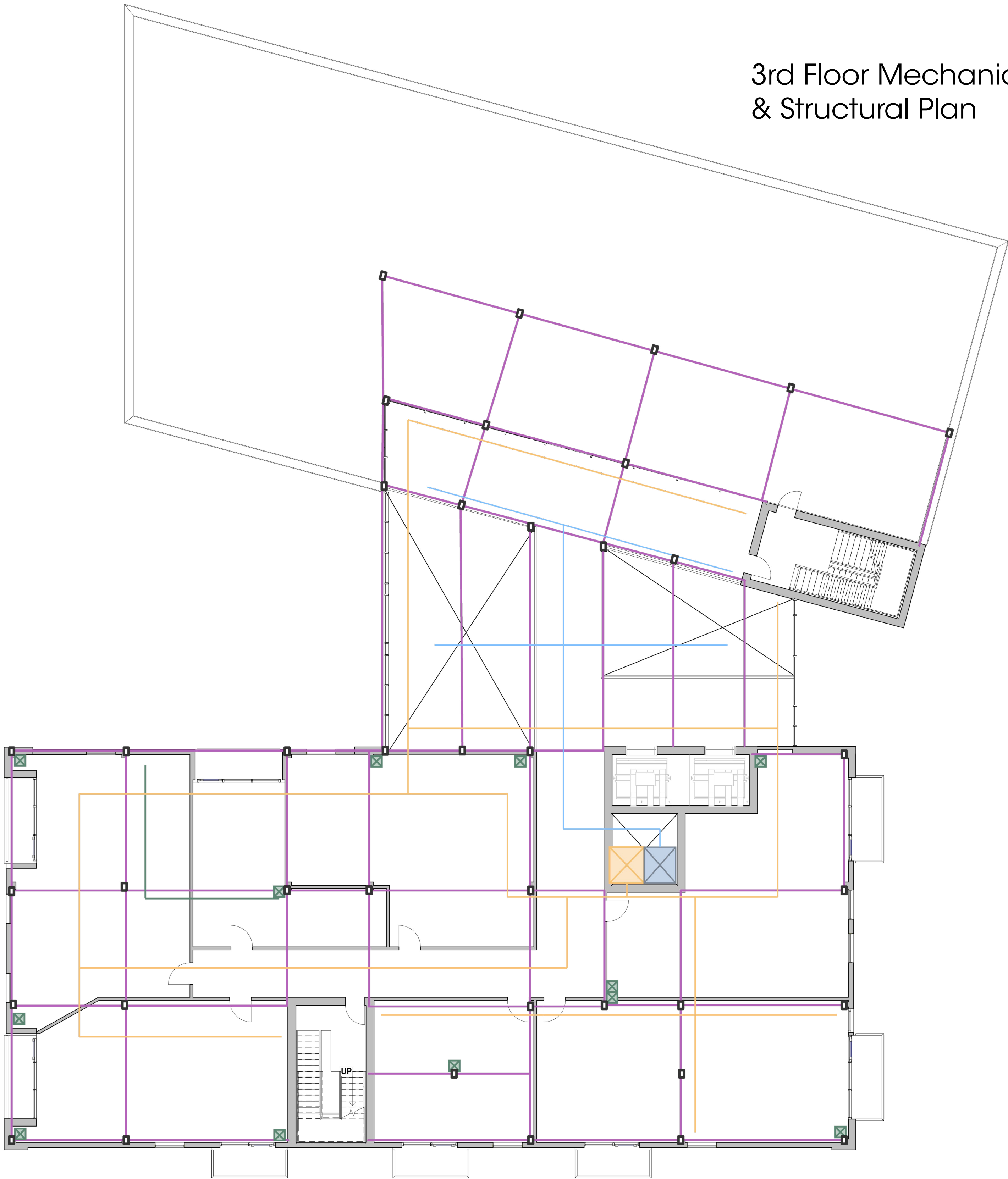
Ground Floor Mechanical & Structural Plan



mechanical & structural plans

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3rd Floor Mechanical
& Structural Plan

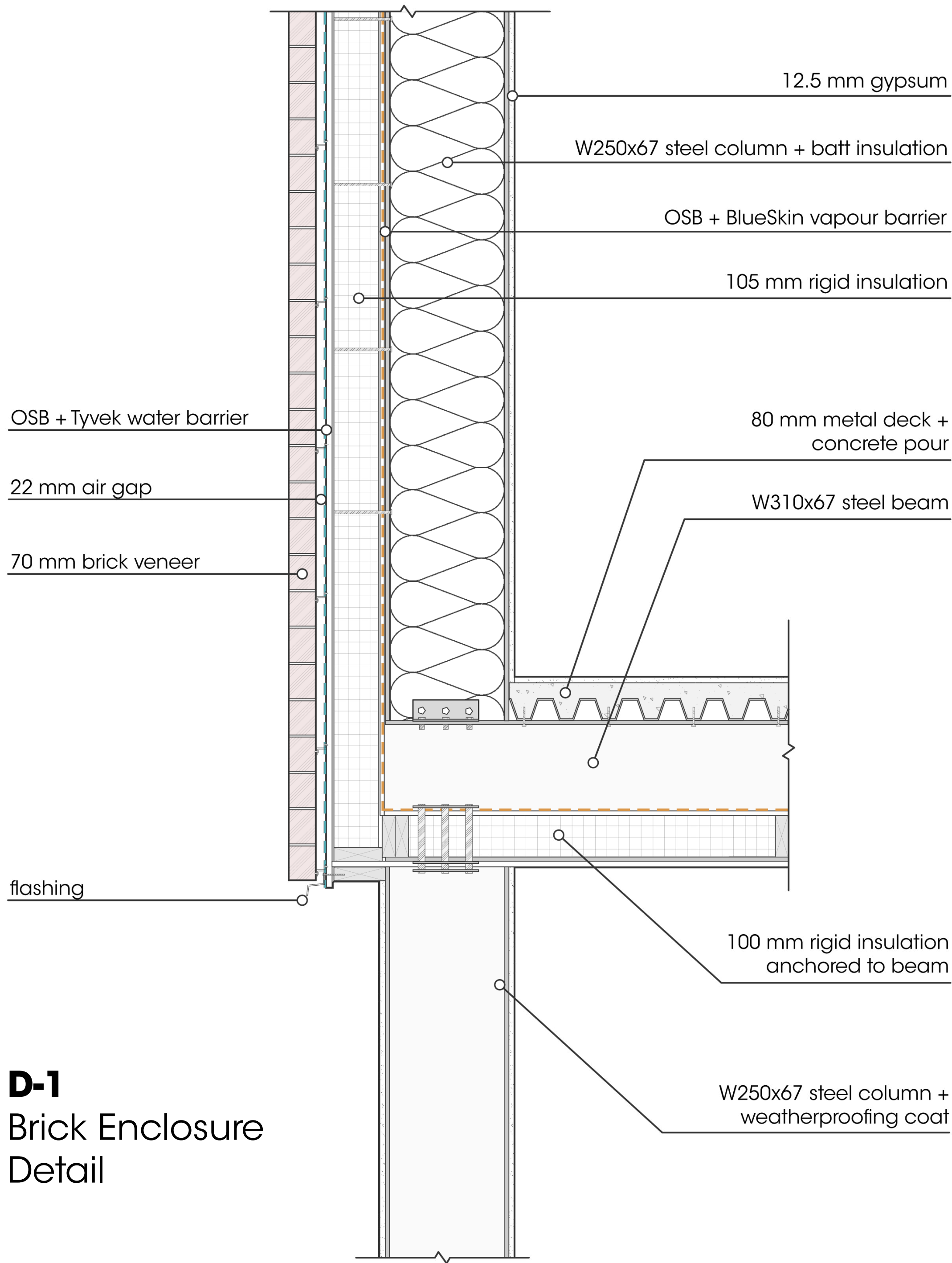
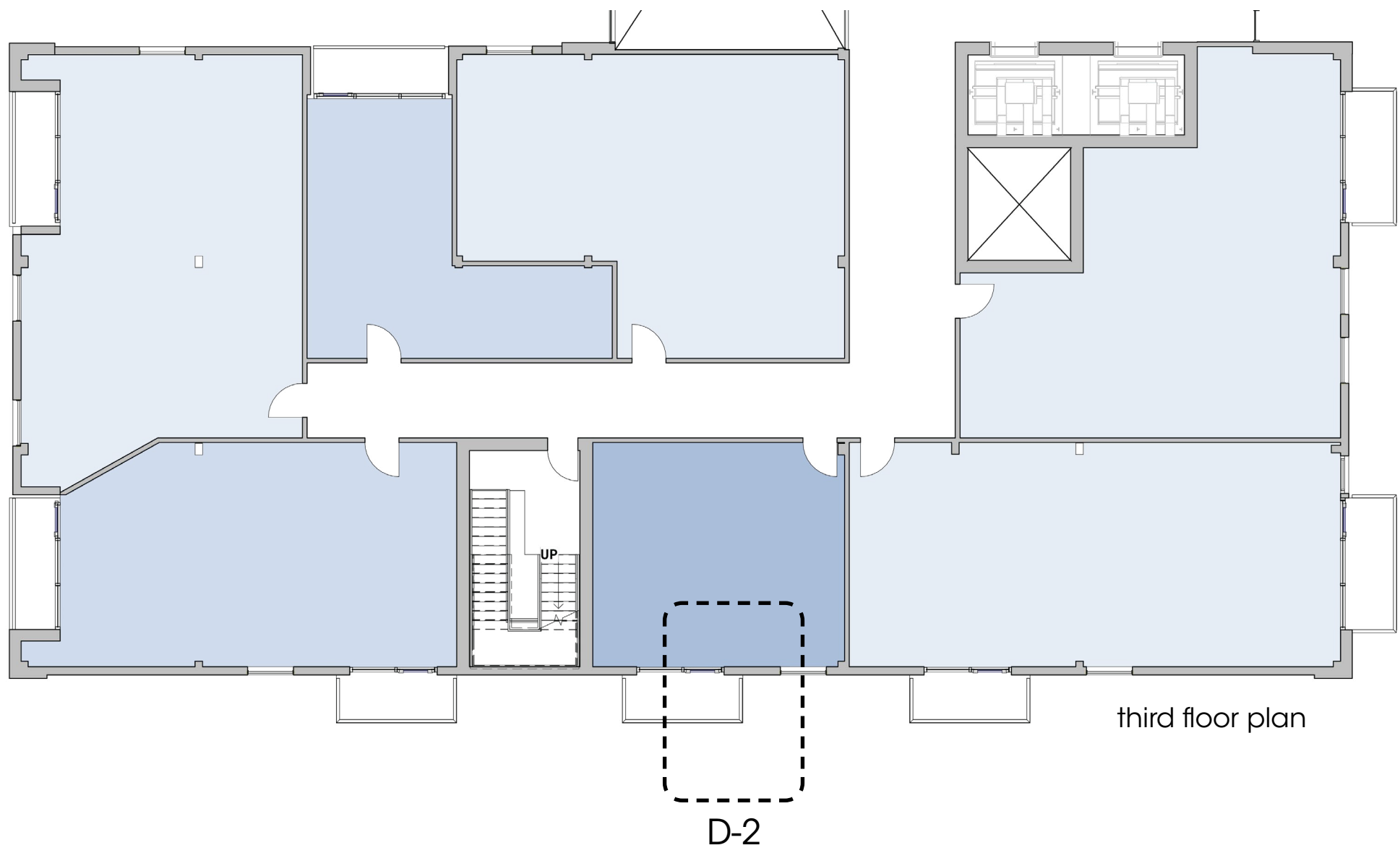


Typical Residential Mechanical
& Structural Plan

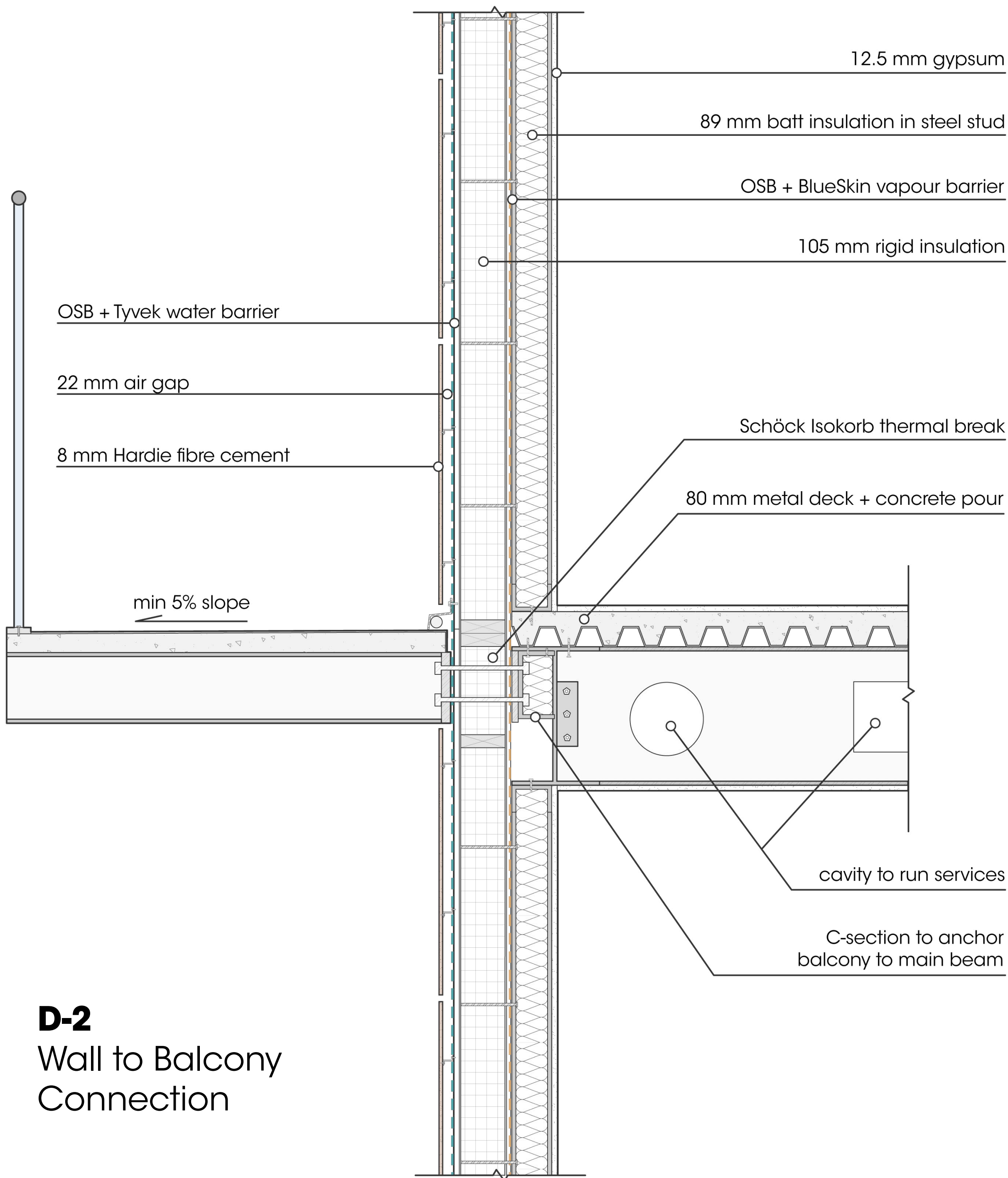


enclosure details

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D-1
Brick Enclosure
Detail



D-2
Wall to Balcony
Connection

elevation views

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elevation views

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