



# NEW FORENSIC HOSPITAL

WESTERN STATE HOSPITAL (WSH) - DEPT OF SOCIAL & HEALTH SERVICES (DSHS)

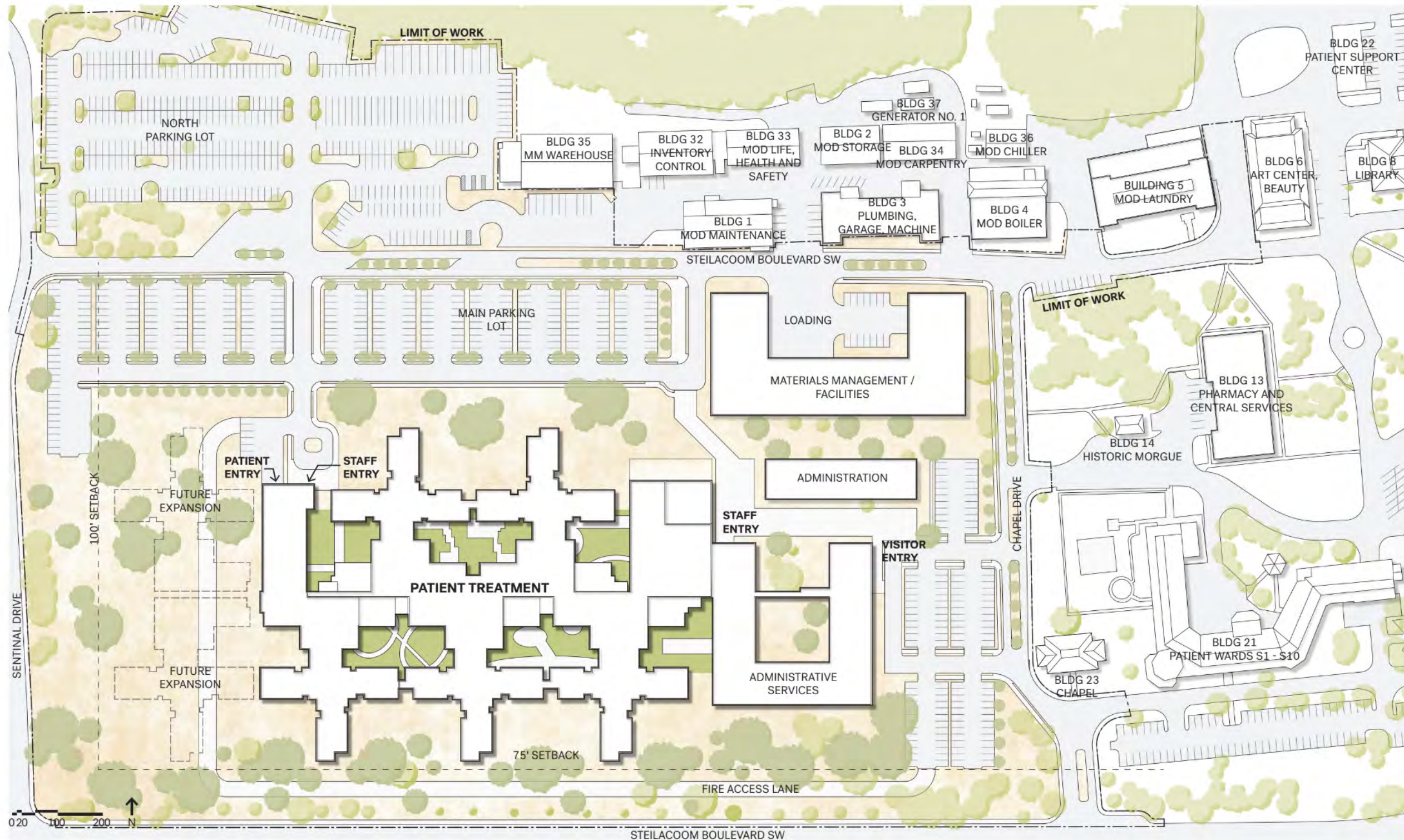
CONCEPTUAL DESIGN PRESENTATION

12 MAY 2022



# PREDESIGN SITE PLAN CONCEPT

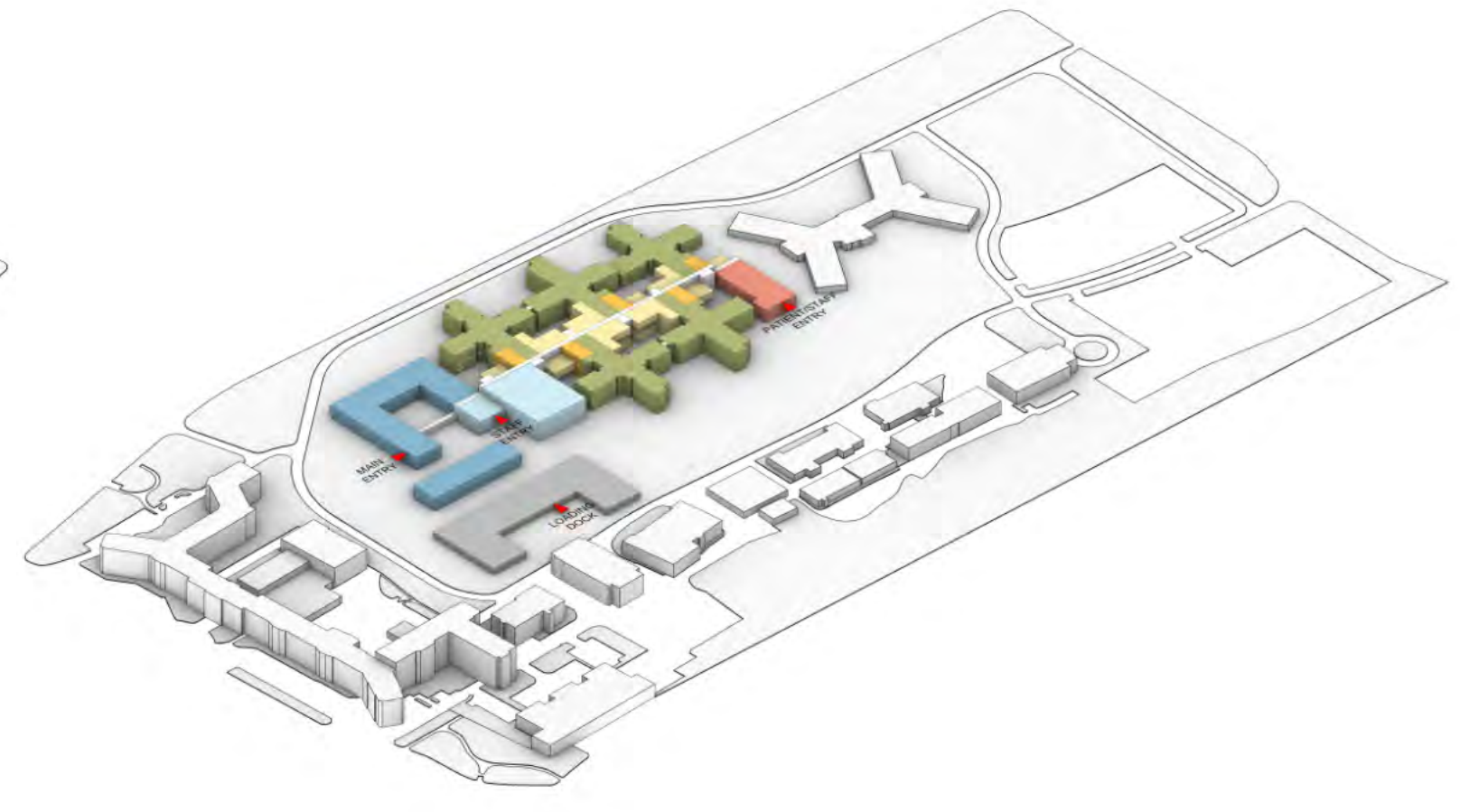
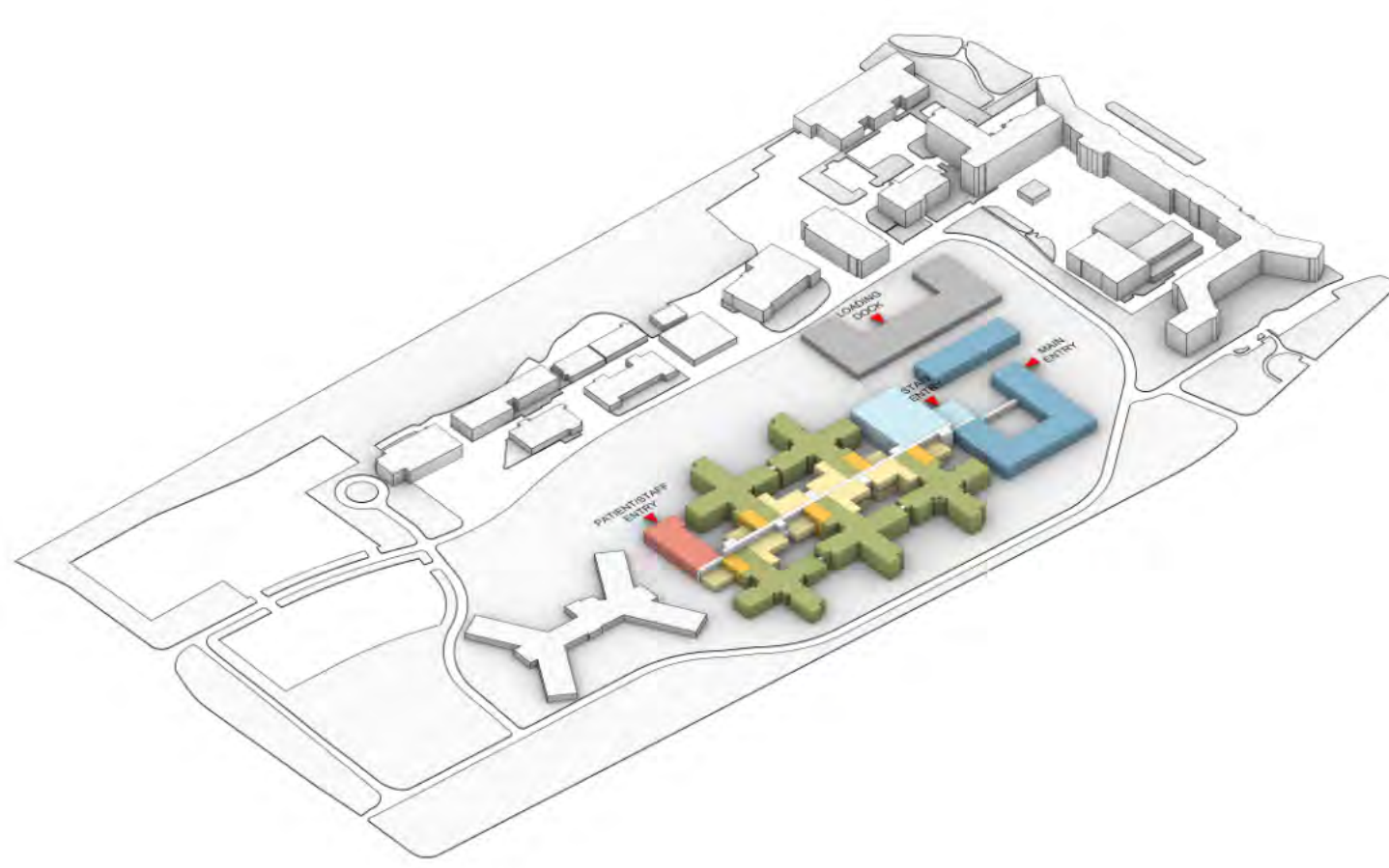
PREDESIGN COMPARISON





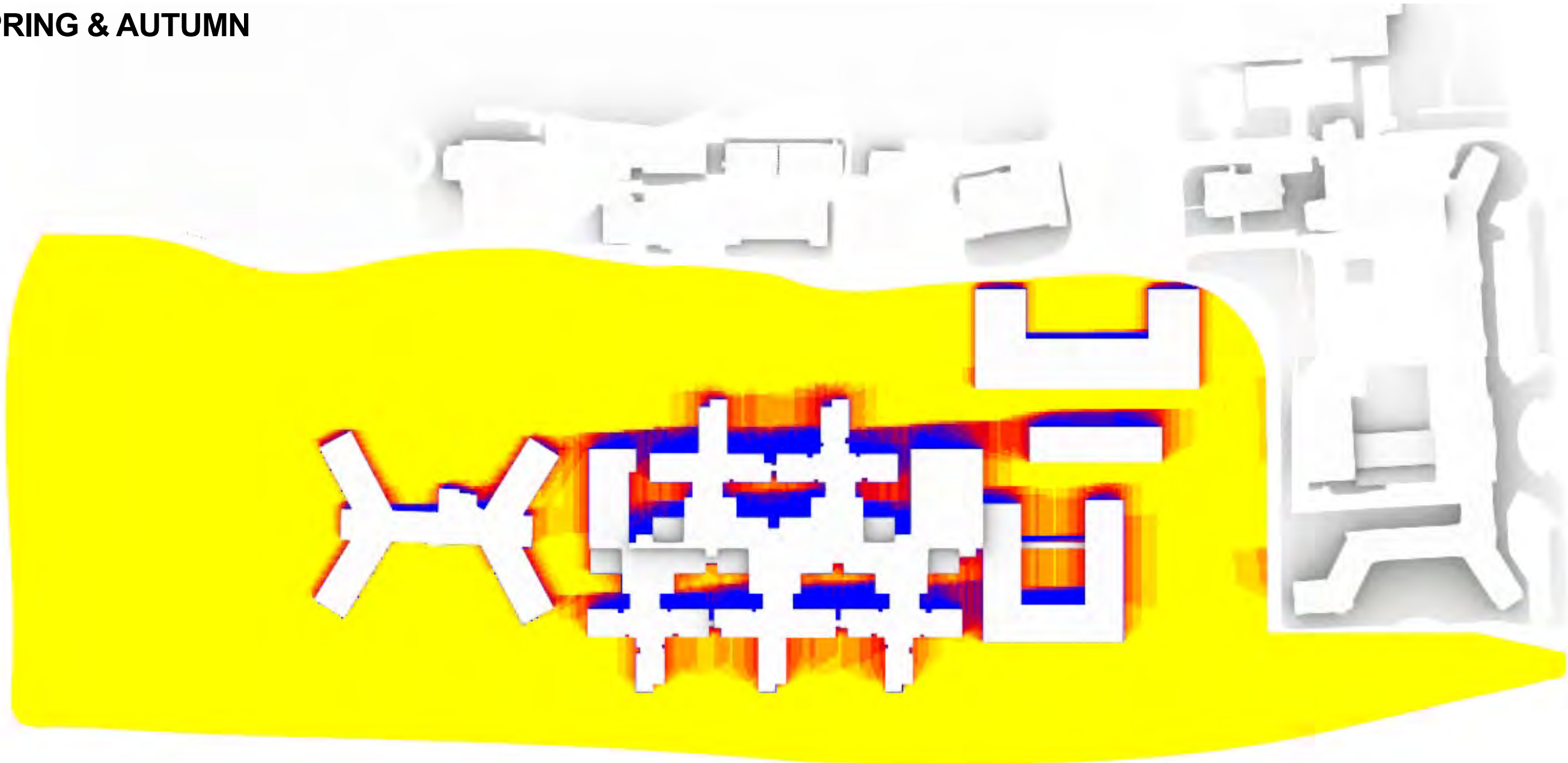


# SITE MASSING SOUTHWEST & NORTHEAST VIEWS



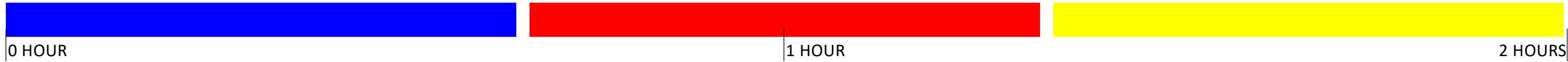
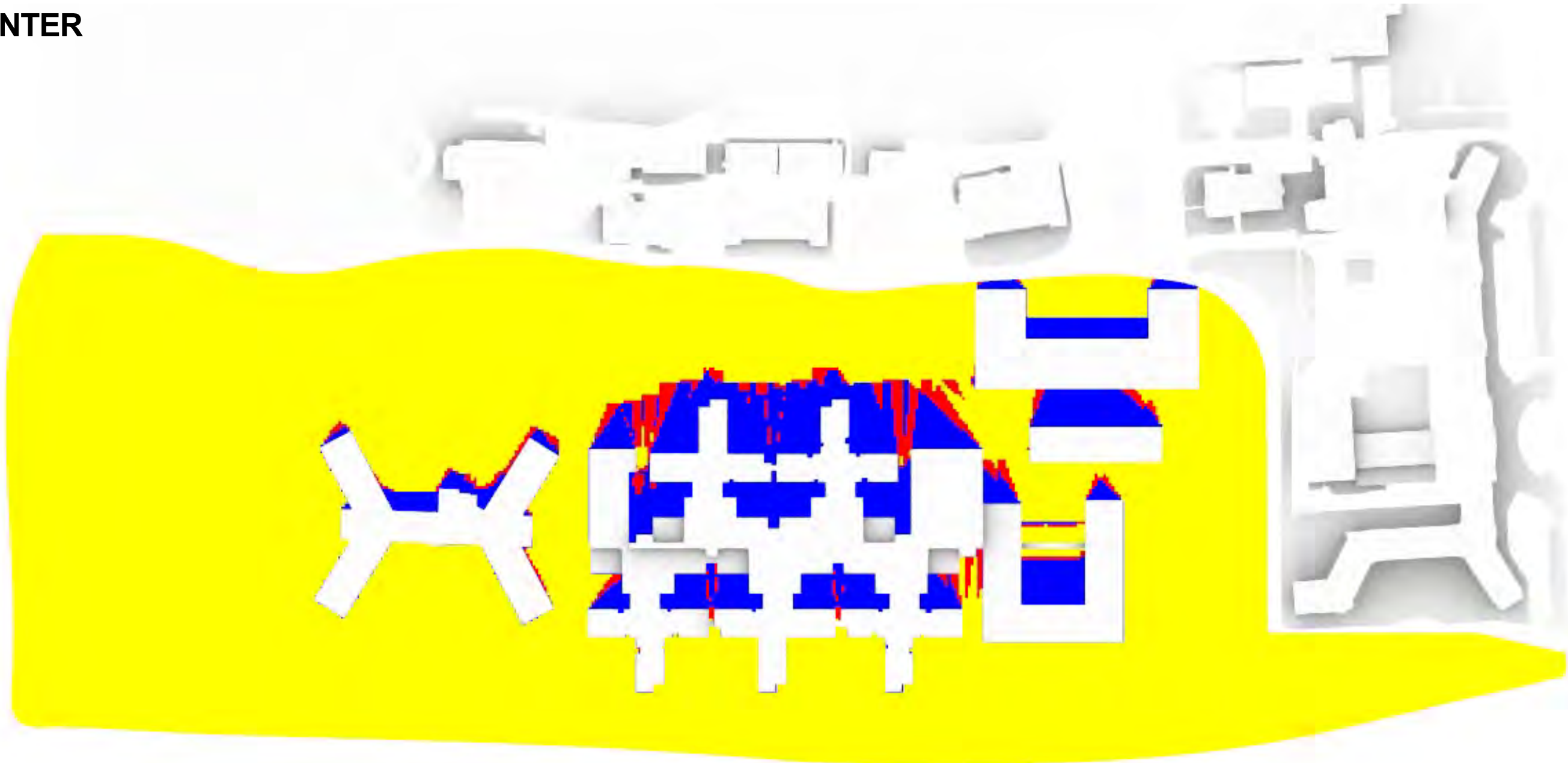


# DIRECT SOLAR HOURS SPRING & AUTUMN





# DIRECT SOLAR HOURS WINTER







# A WALK IN THE PARK

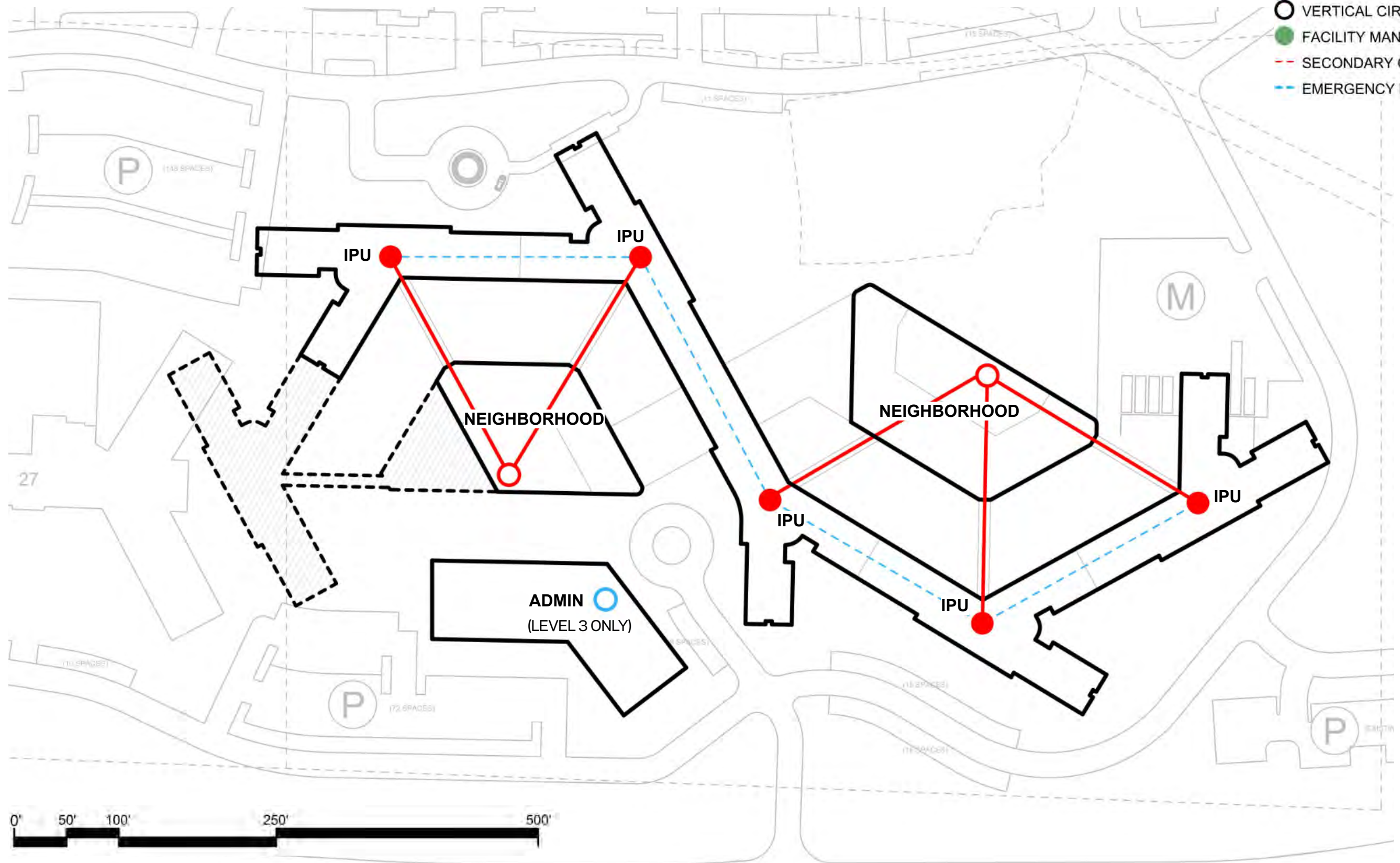




# CIRCULATION FLOW

## LEVEL 3 & 4

- PRIMARY CIRCULATION
- STAFF CIRCULATION
- VERTICAL CIRCULATION
- FACILITY MANAGEMENT
- - - SECONDARY CIRCULATION
- - - EMERGENCY ROUTE

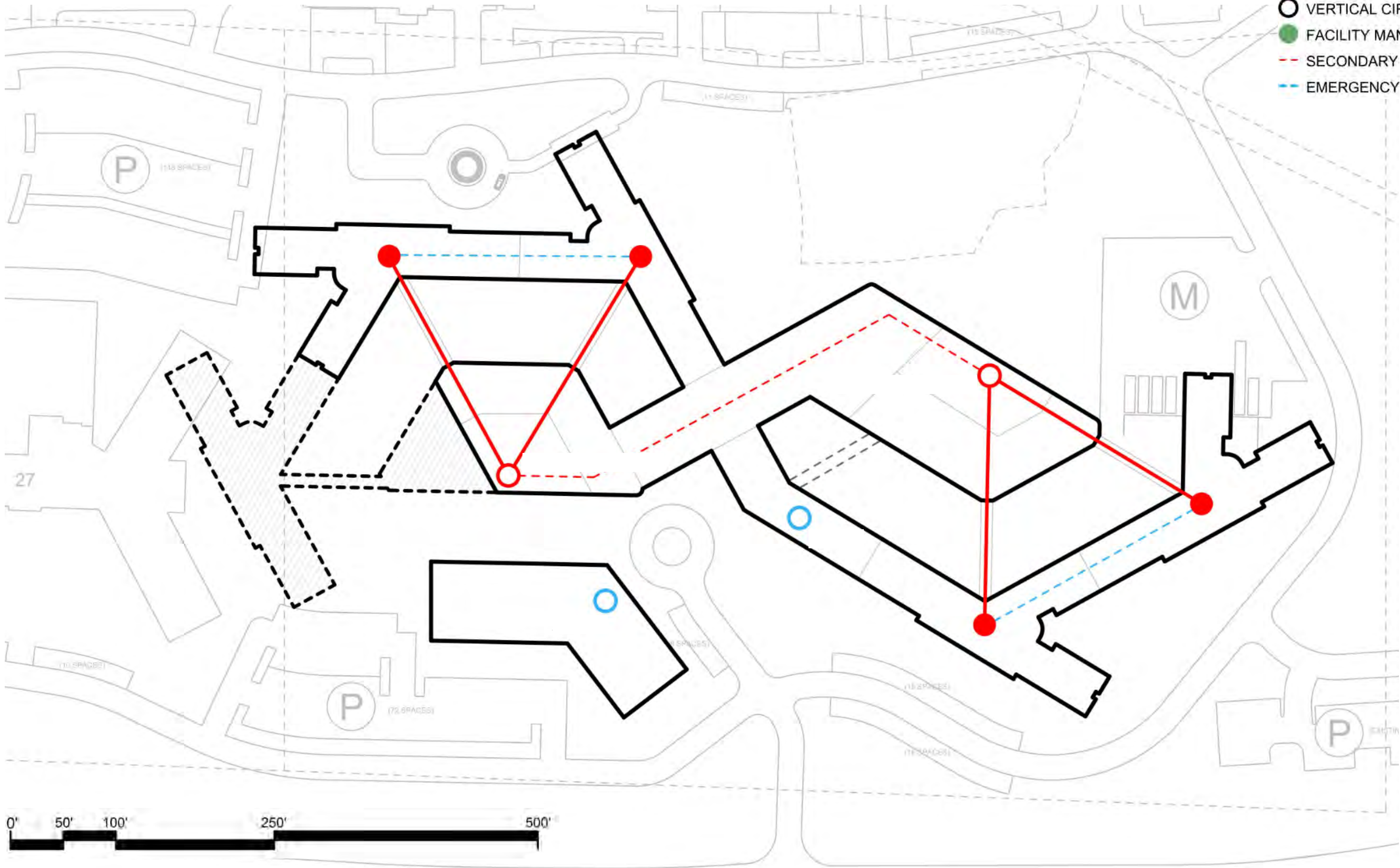




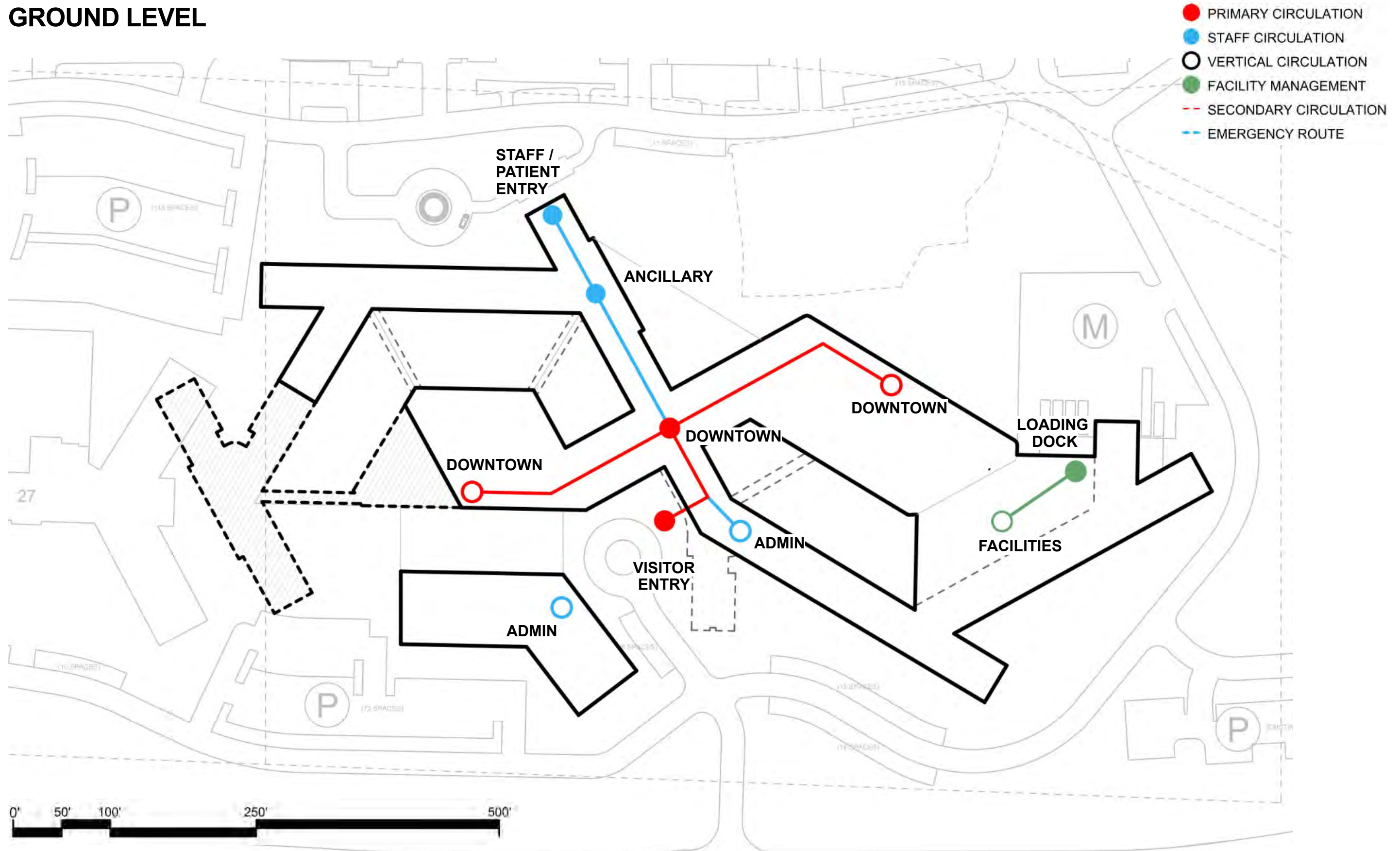
# CIRCULATION FLOW

## LEVEL 2

- PRIMARY CIRCULATION
- STAFF CIRCULATION
- VERTICAL CIRCULATION
- FACILITY MANAGEMENT
- - - SECONDARY CIRCULATION
- - - EMERGENCY ROUTE



# CIRCULATION FLOW GROUND LEVEL

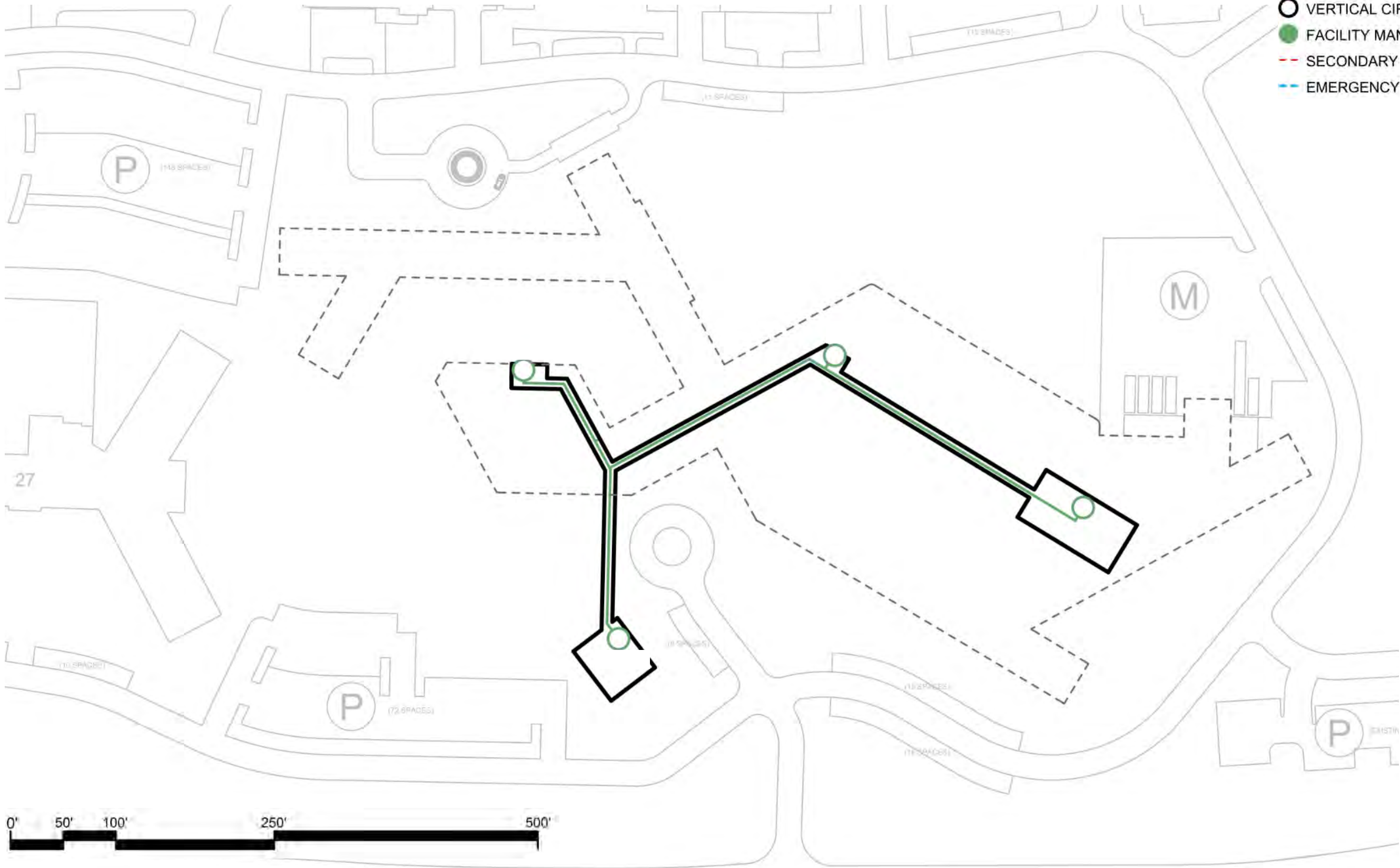




# CIRCULATION FLOW

## BASEMENT

- PRIMARY CIRCULATION
- STAFF CIRCULATION
- VERTICAL CIRCULATION
- FACILITY MANAGEMENT
- - - SECONDARY CIRCULATION
- - - EMERGENCY ROUTE





# CONCEPTUAL SITE PLAN



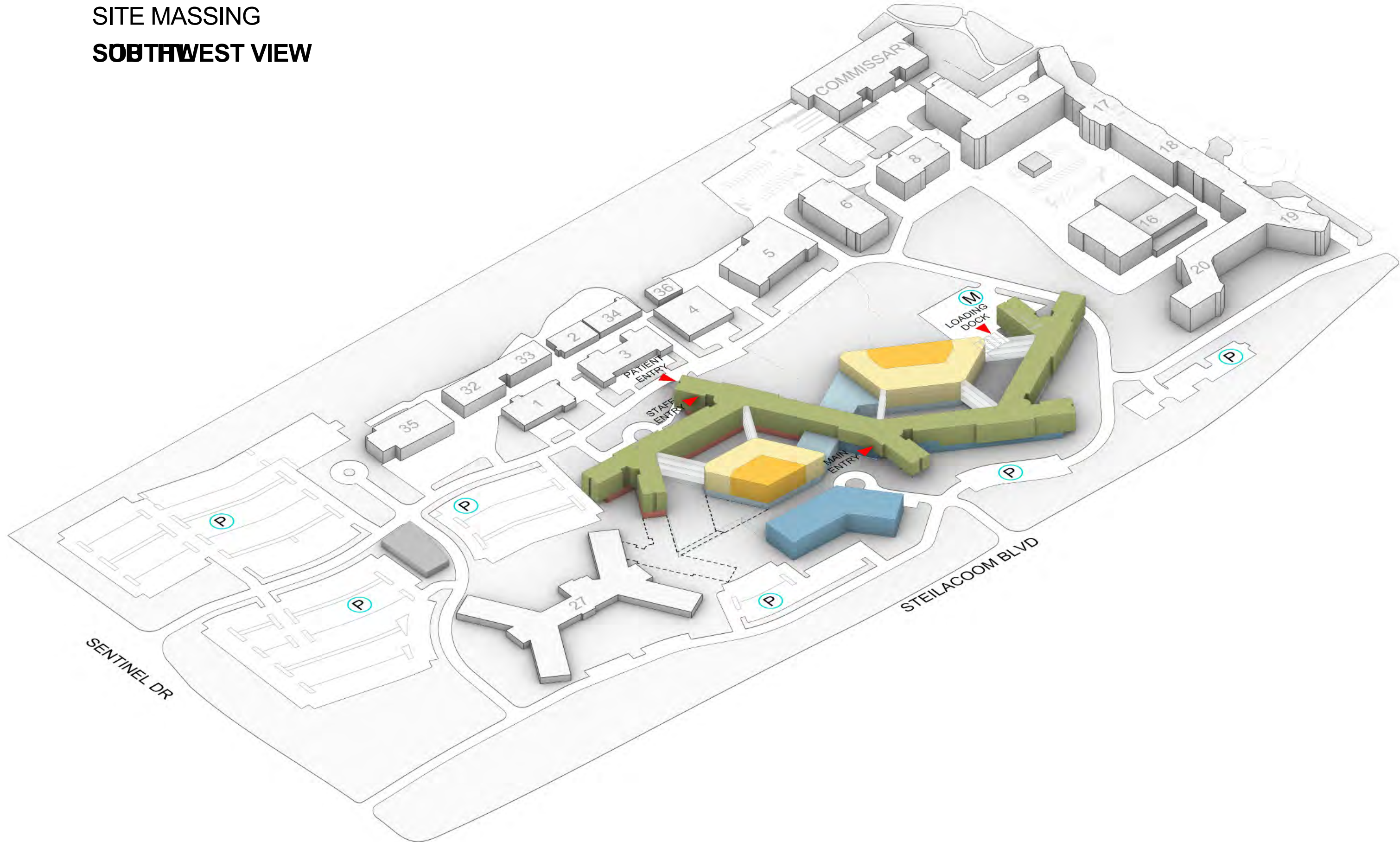
**LEGEND**

- SITE ENTRANCE
- BUILDING ENTRANCE
- PARKING
- MATERIALS HANDLING



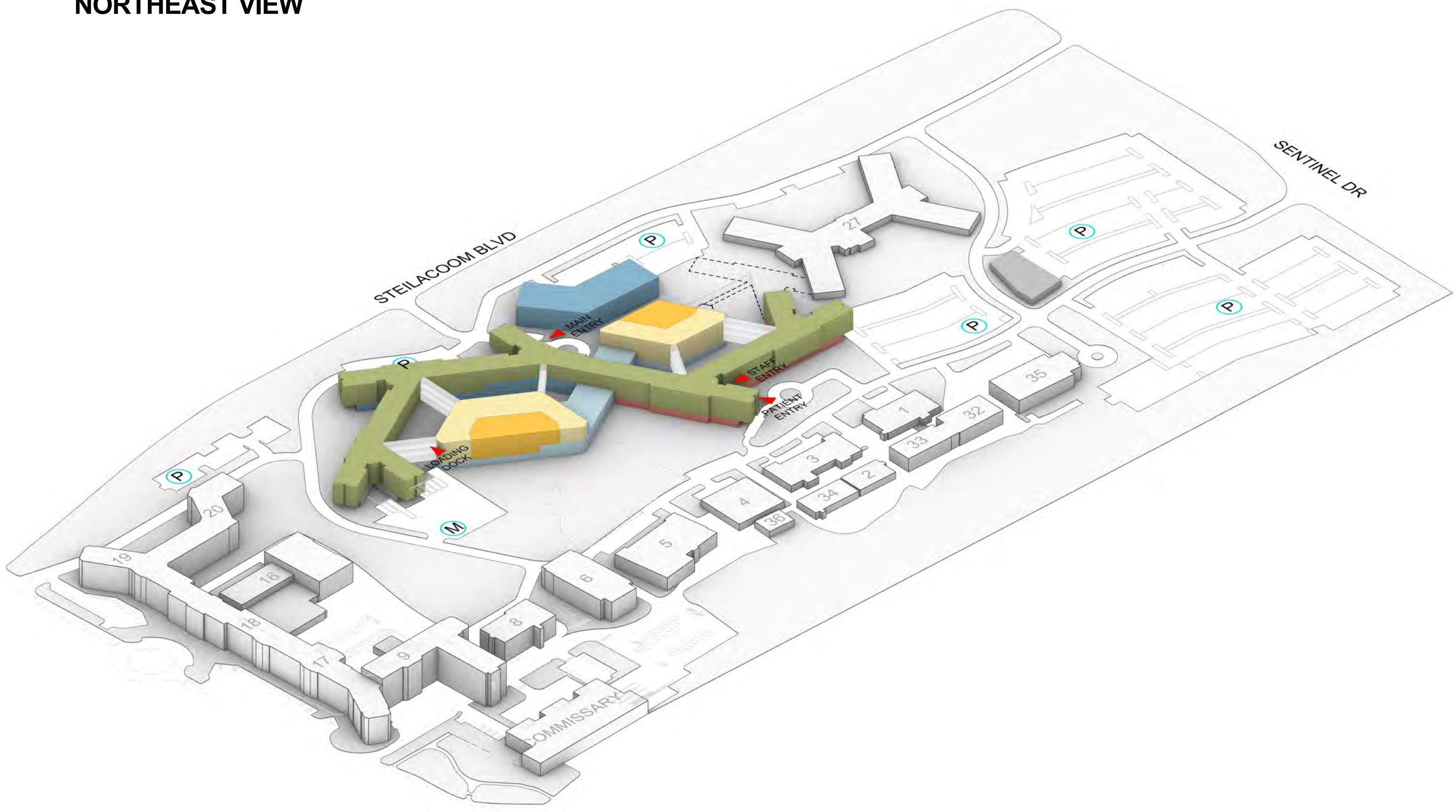


# SITE MASSING SOUTHWEST VIEW



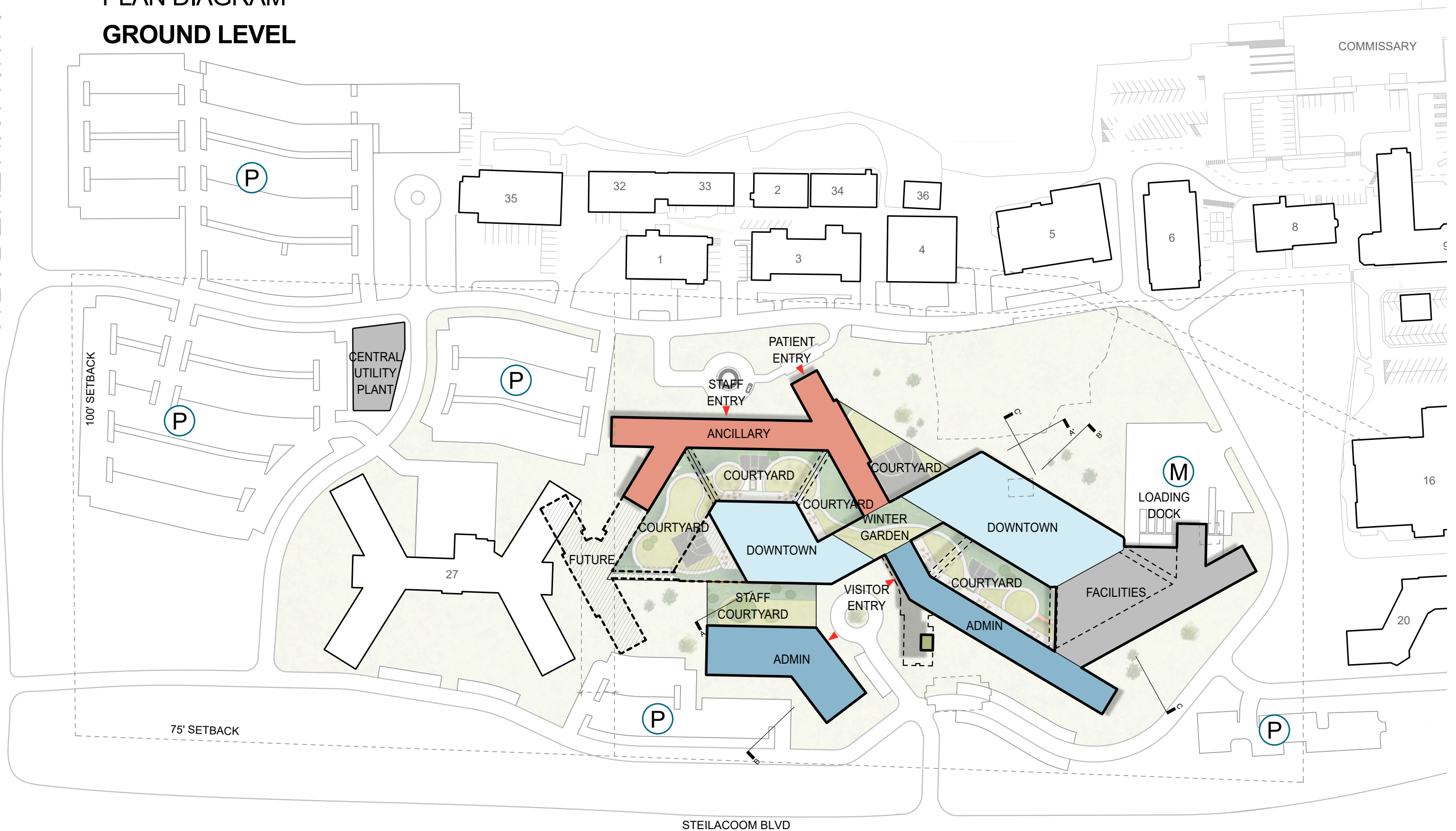


# SITE MASSING NORTHEAST VIEW





# PLAN DIAGRAM GROUND LEVEL





SEATTLE DOWNTOWN  
DECEMBER DAYLIGHT



2021



# PLAN DIAGRAM LEVEL 2



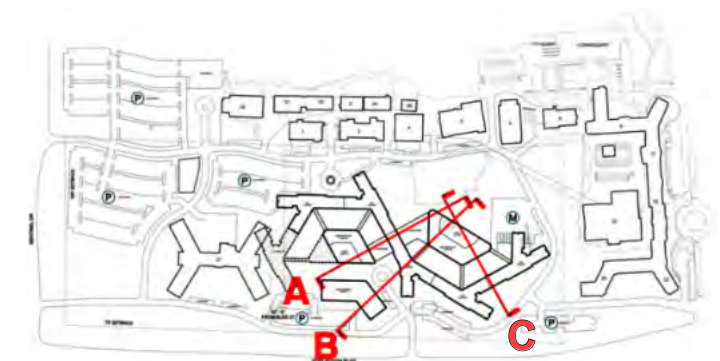
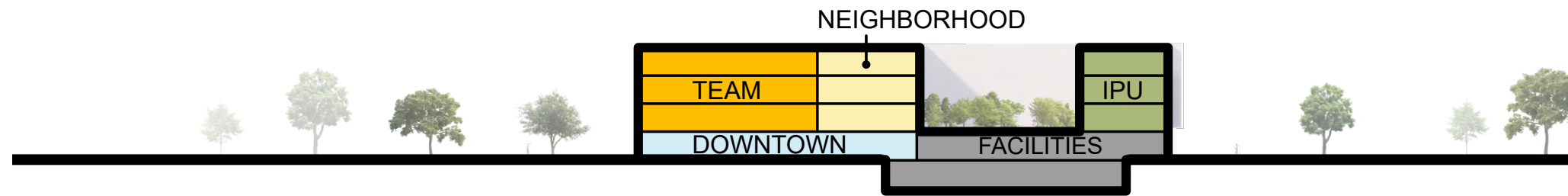
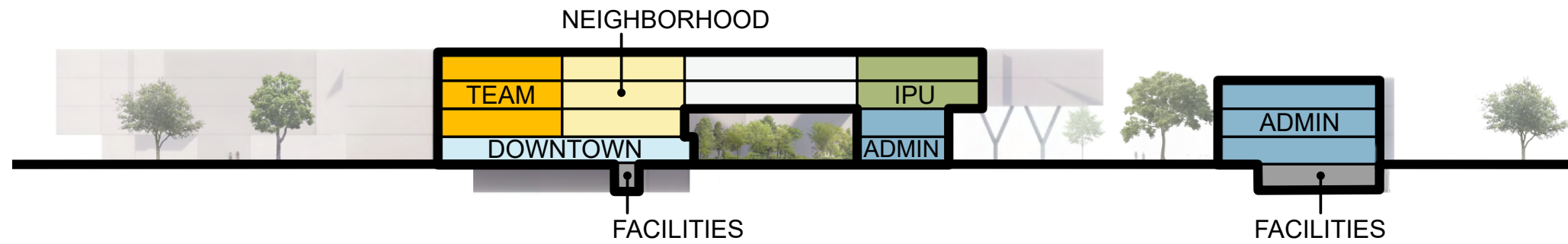


# PLAN DIAGRAM LEVEL 3 & 4





# STACKING DIAGRAMS





# CONCEPTUAL RENDERING STEILACOOM BLVD VIEW





# CONCEPTUAL RENDERING STEILACOOM BLVD VIEW



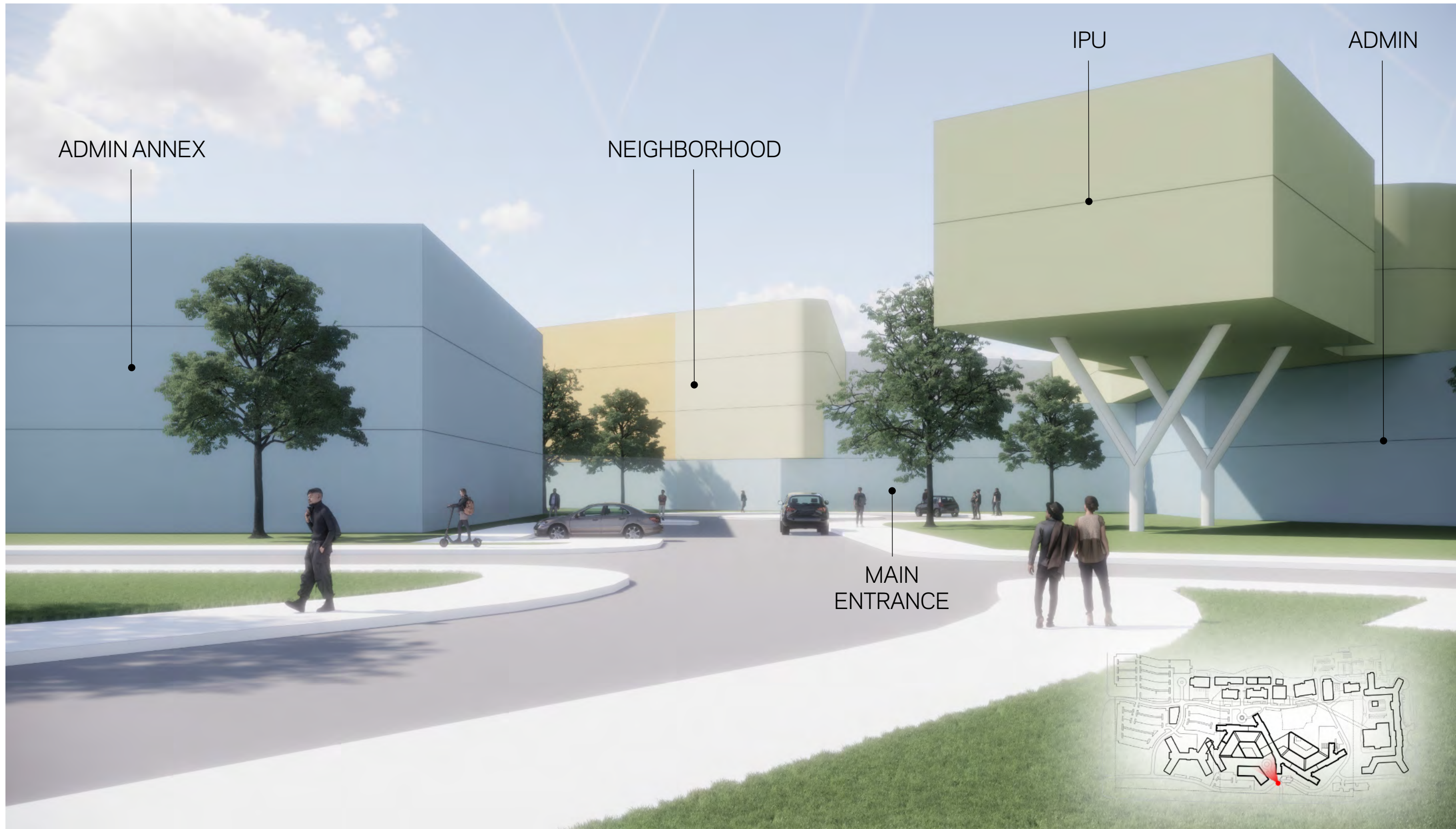


# CONCEPTUAL RENDERING MAIN ENTRY





# CONCEPTUAL RENDERING MAIN ENTRY





# CONCEPTUAL RENDERING DOWNTOWN





# CONCEPTUAL RENDERING NEIGHBORHOOD





# CONCEPTUAL RENDERING IPU



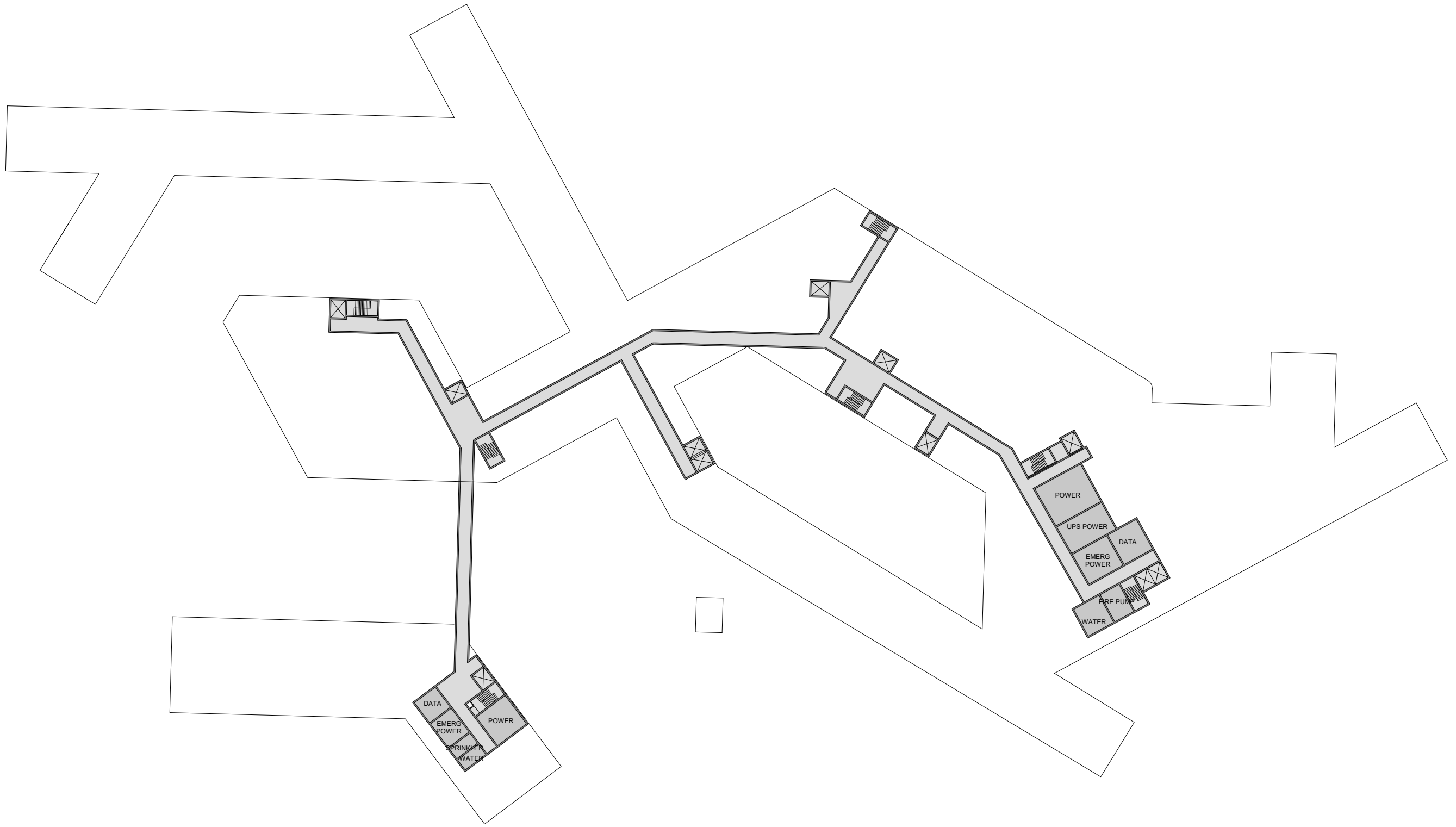


# CONCEPTUAL RENDERING COURTYARD



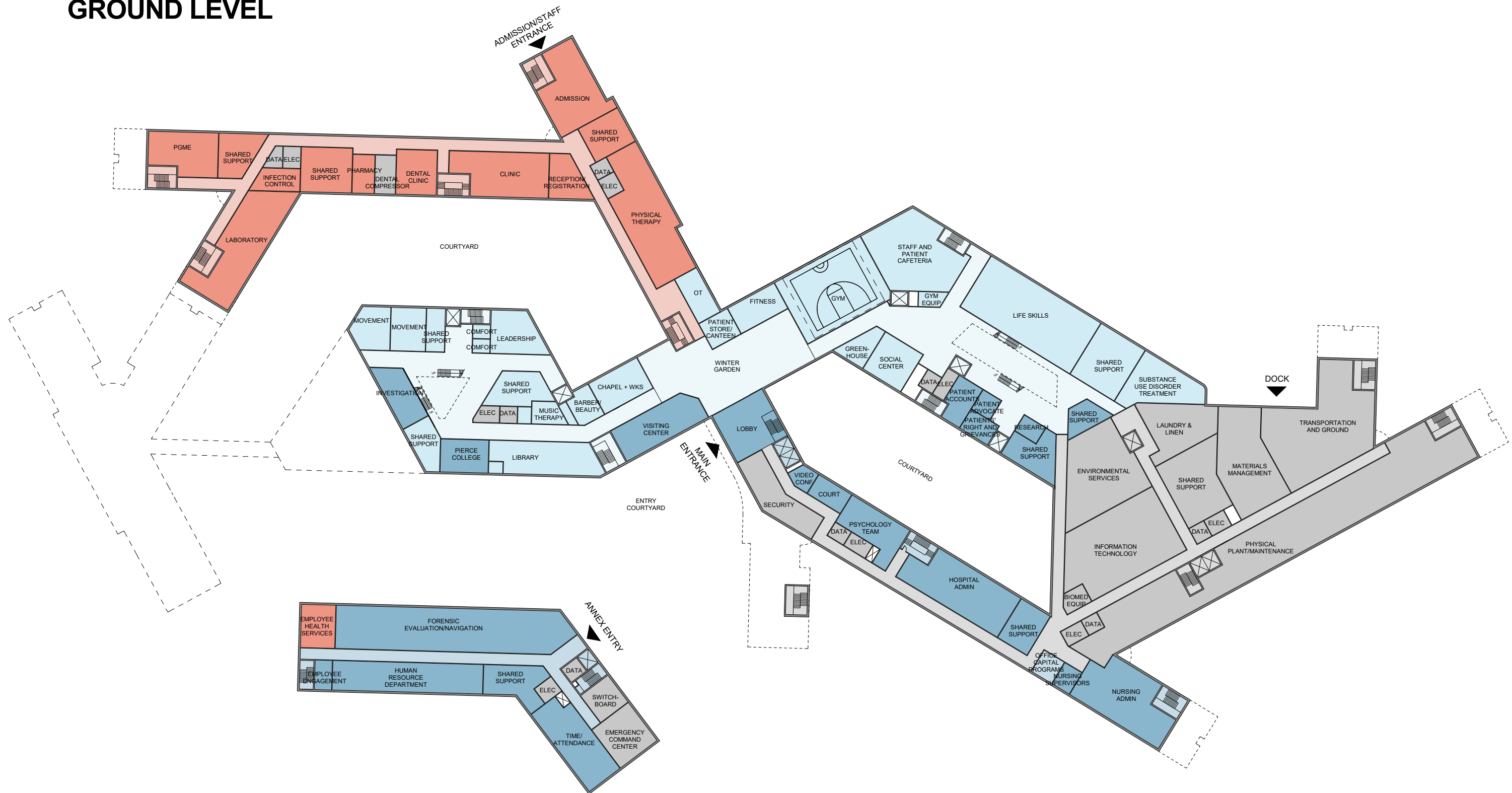


# CONCEPTUAL FLOOR PLAN BASEMENT





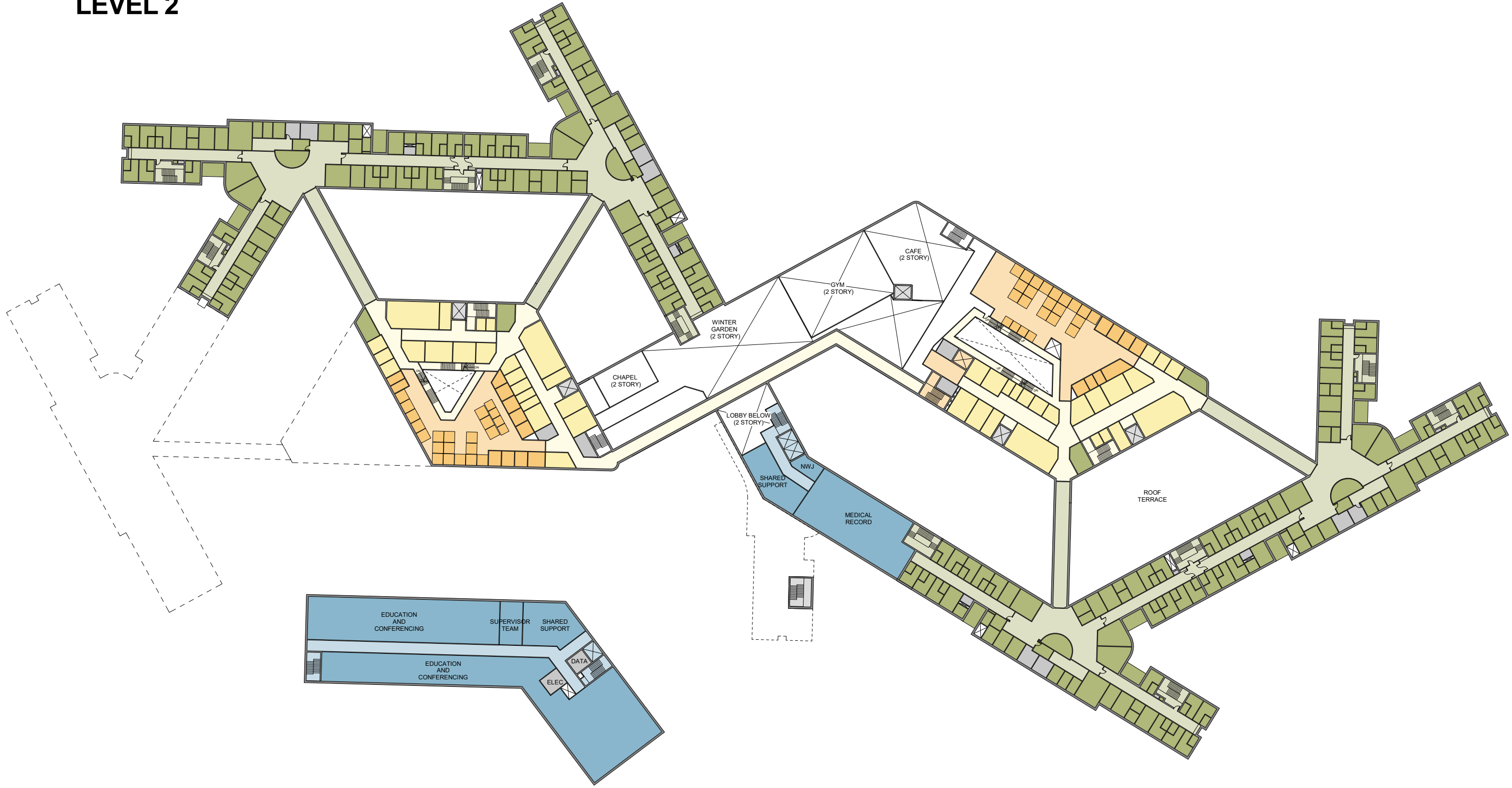
# CONCEPTUAL FLOOR PLAN GROUND LEVEL





# CONCEPTUAL FLOOR PLAN

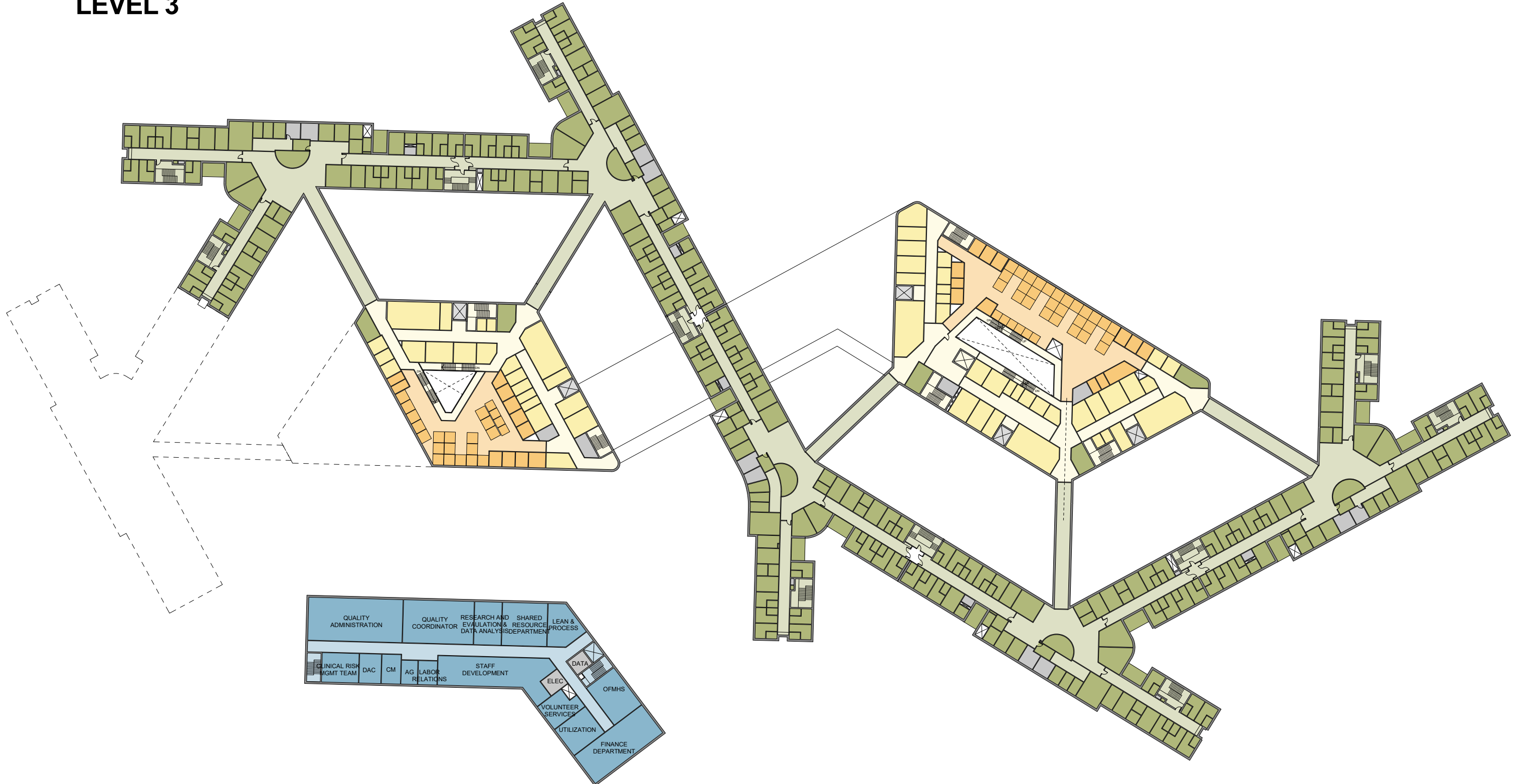
## LEVEL 2





# CONCEPTUAL FLOOR PLAN

## LEVEL 3





# CONCEPTUAL FLOOR PLAN

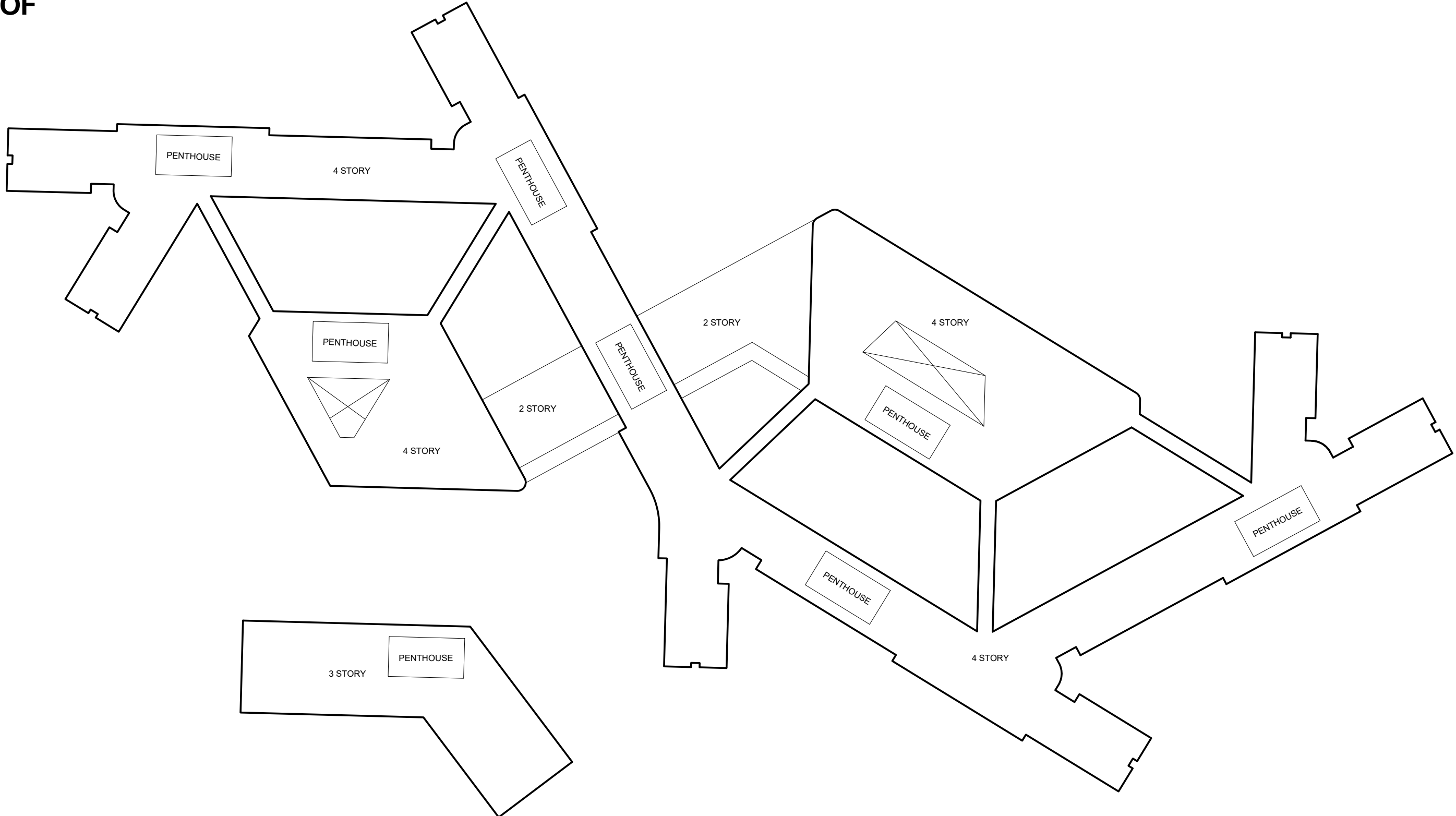
## LEVEL 4





# CONCEPTUAL ROOF PLAN

## ROOF





# IPU TYPOLOGY

## IPU - A





# IPU TYPOLOGY

## IPU - B





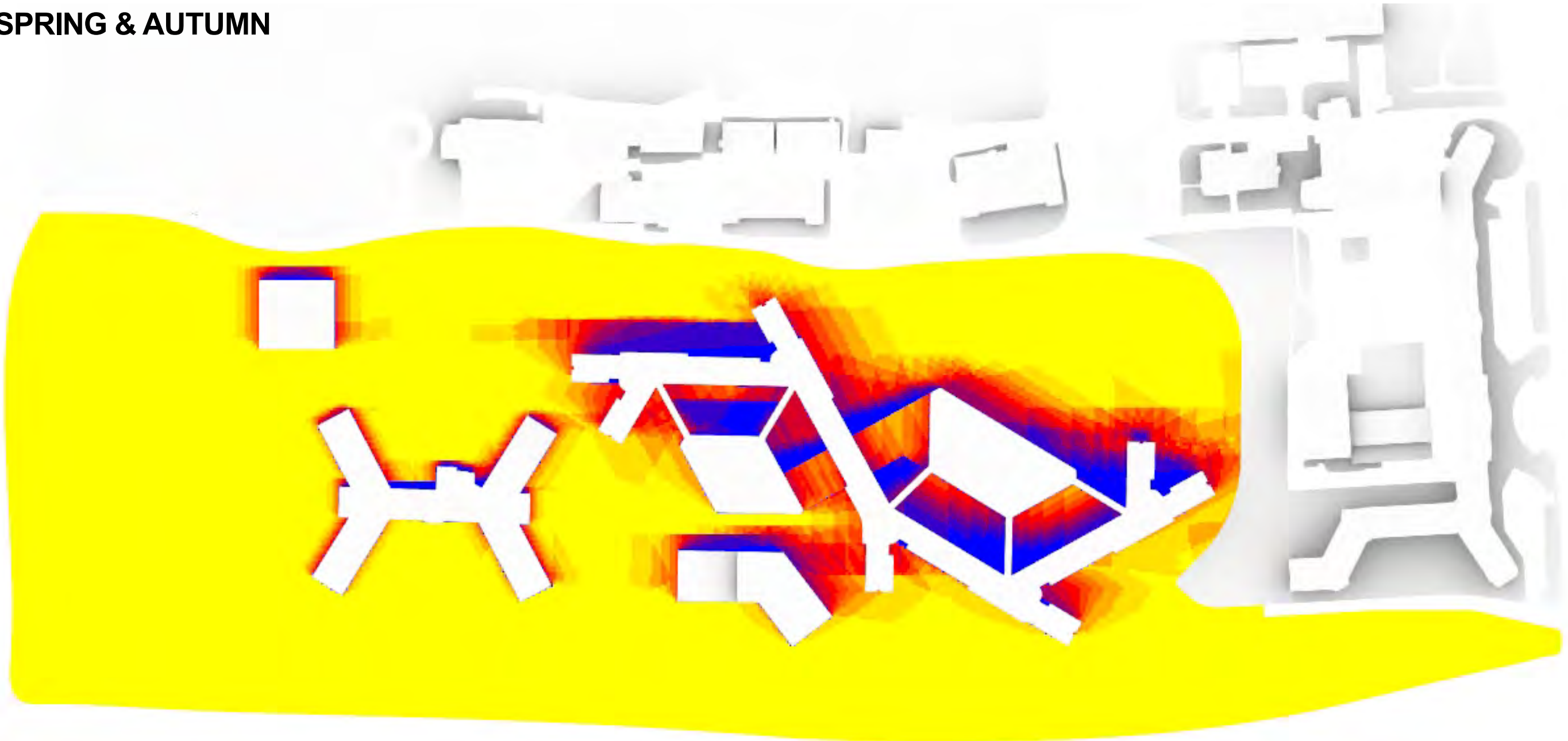
# IPU TYPOLOGY

## IPU - C



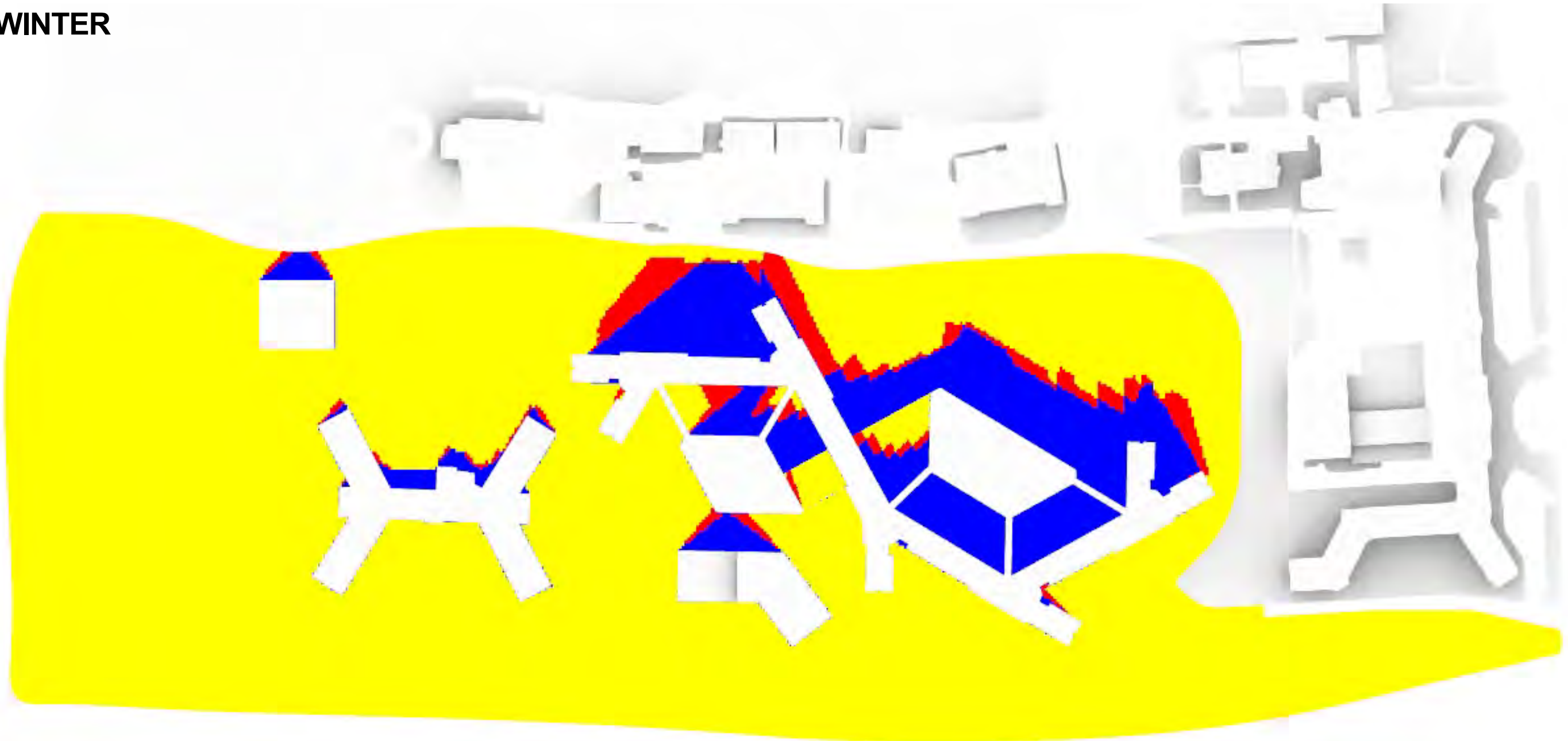


# DIRECT SOLAR HOURS SPRING & AUTUMN

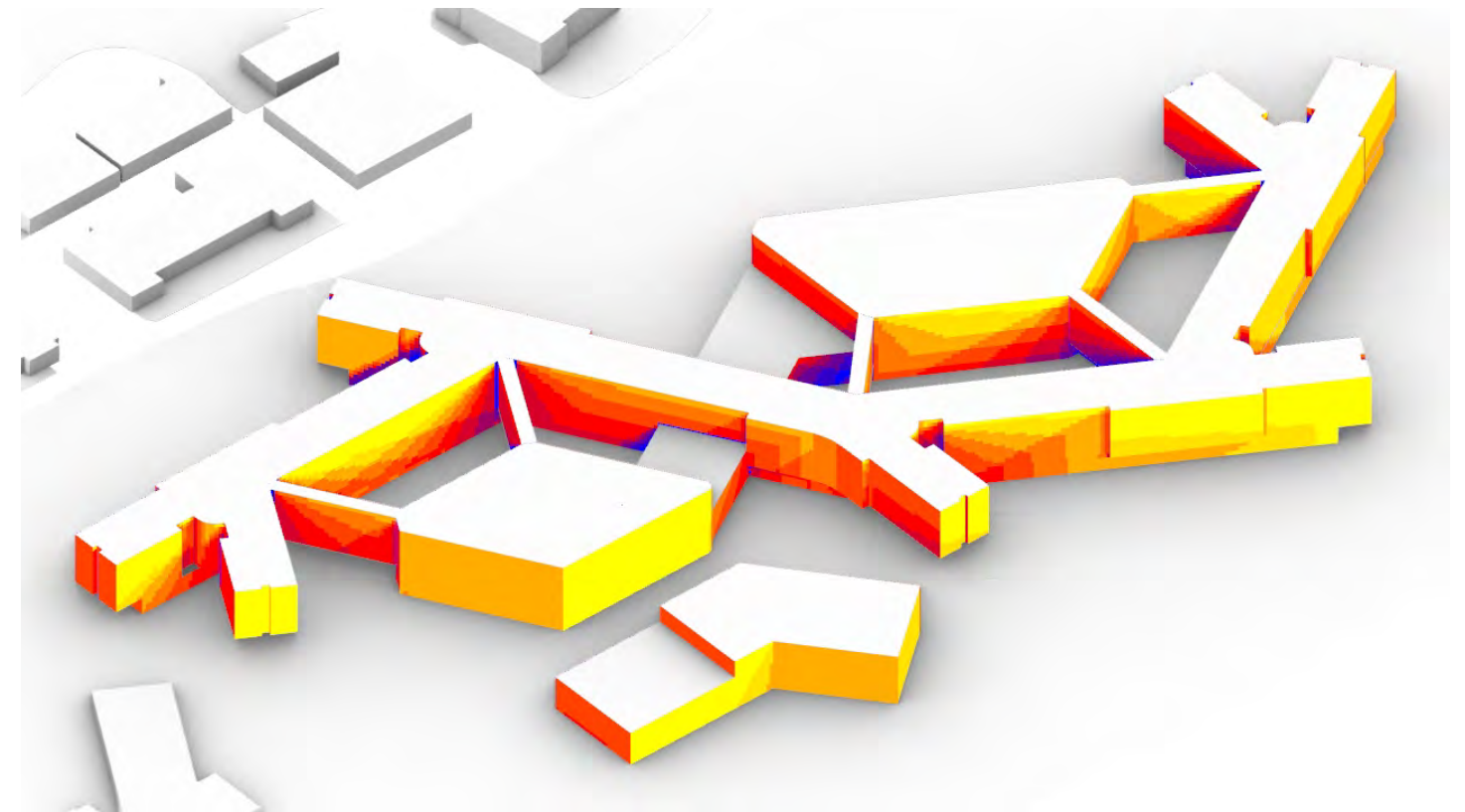
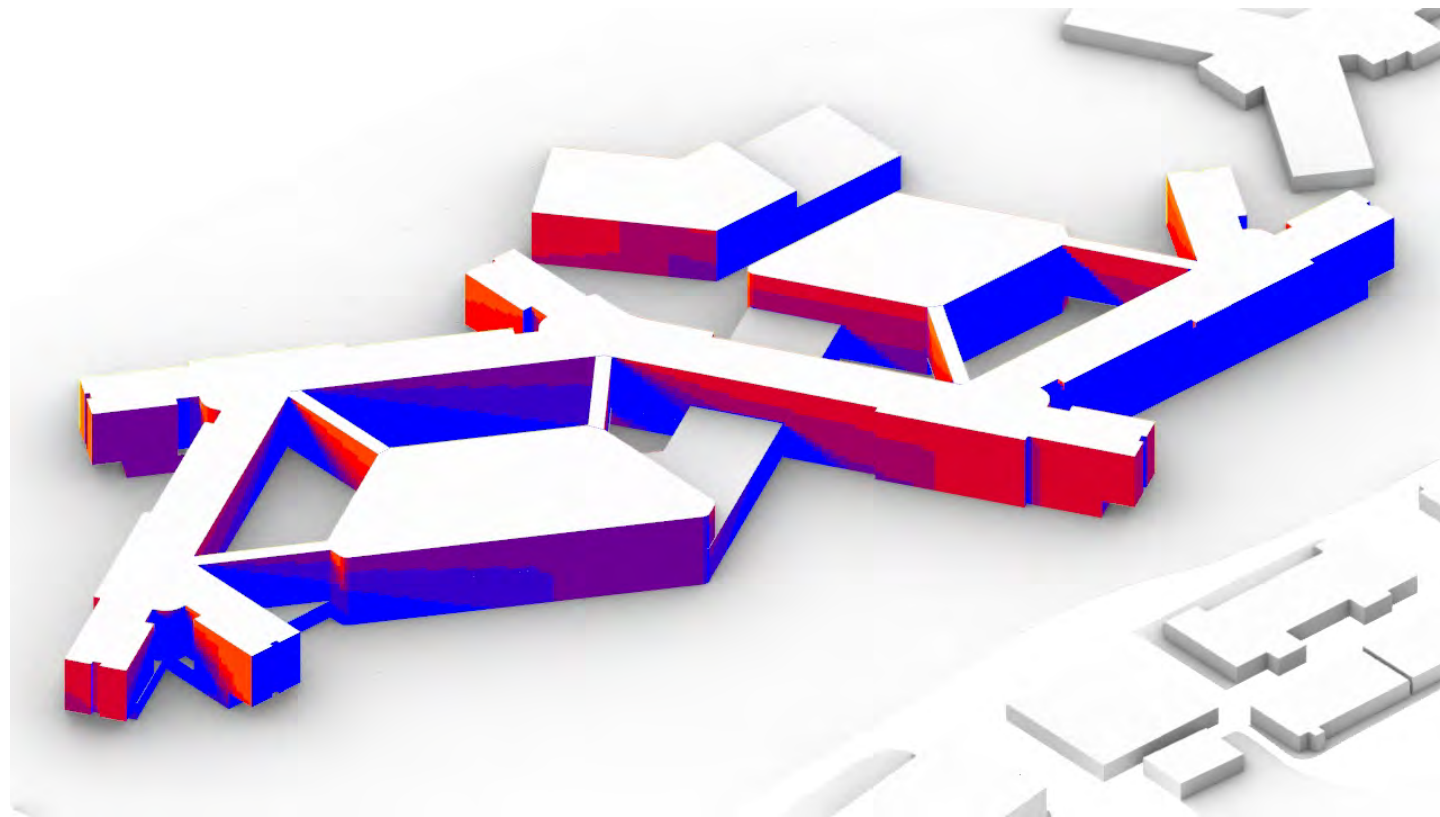




# DIRECT SOLAR HOURS WINTER

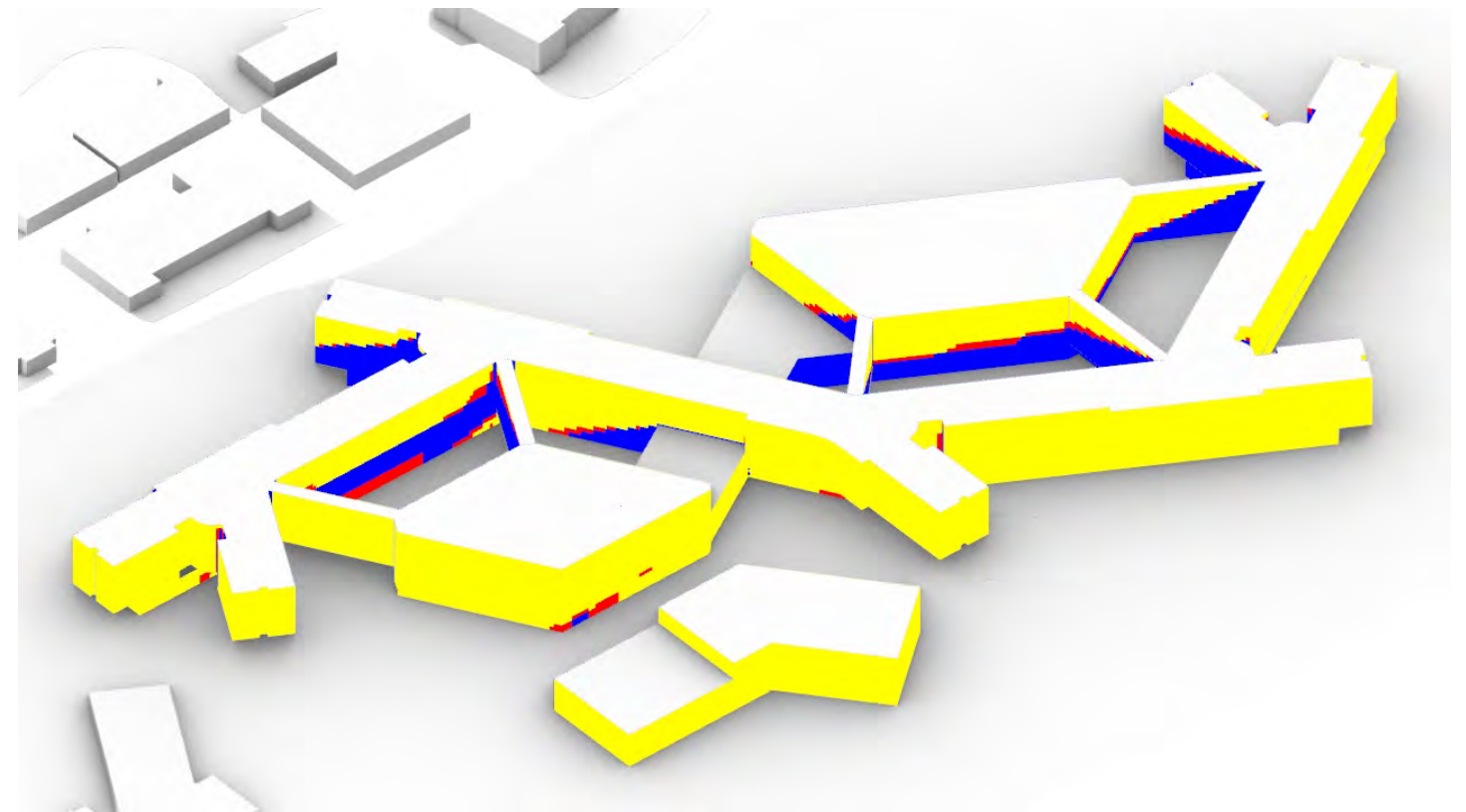
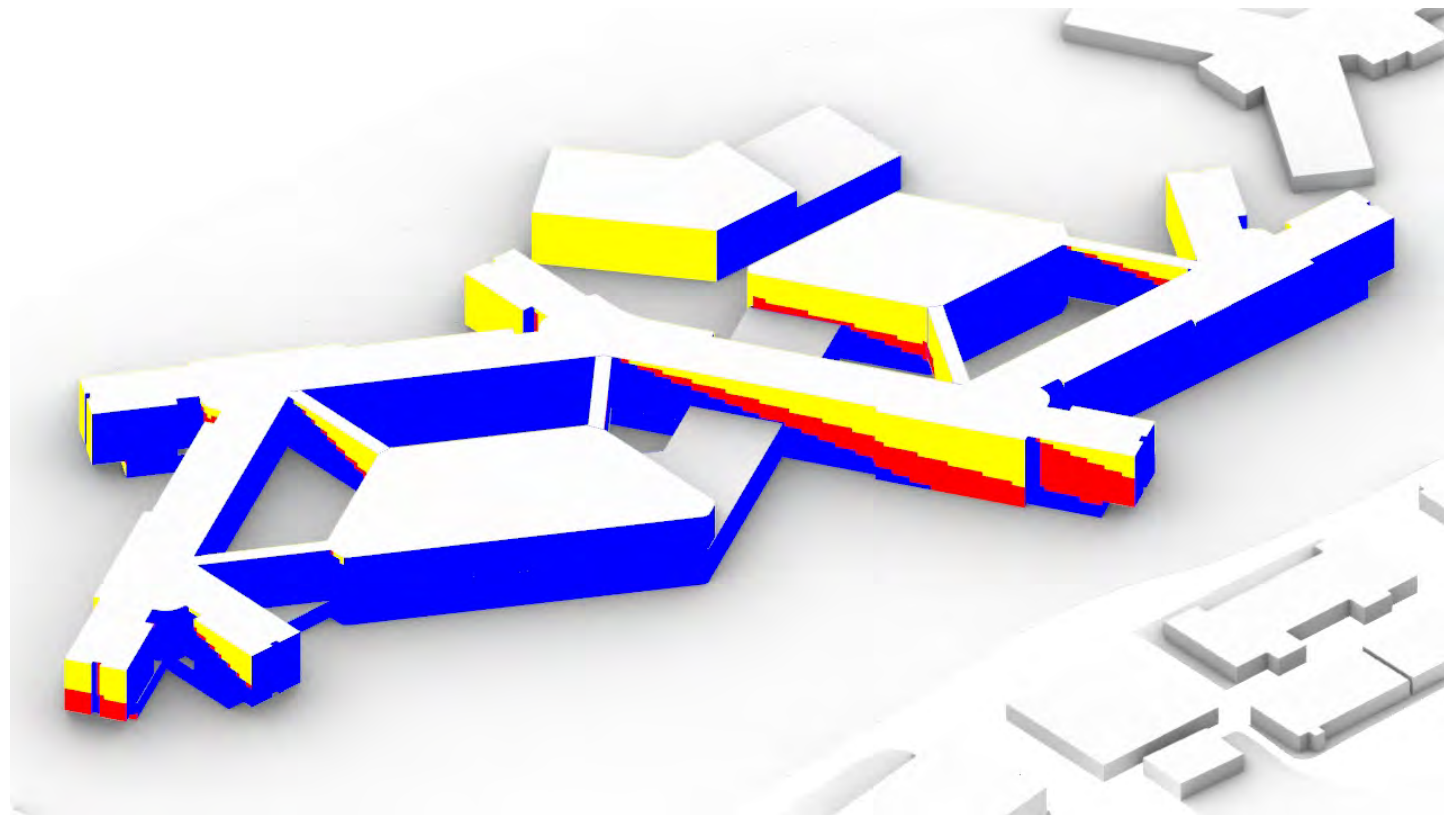


# DIRECT SOLAR HOURS SPRING & AUTUMN



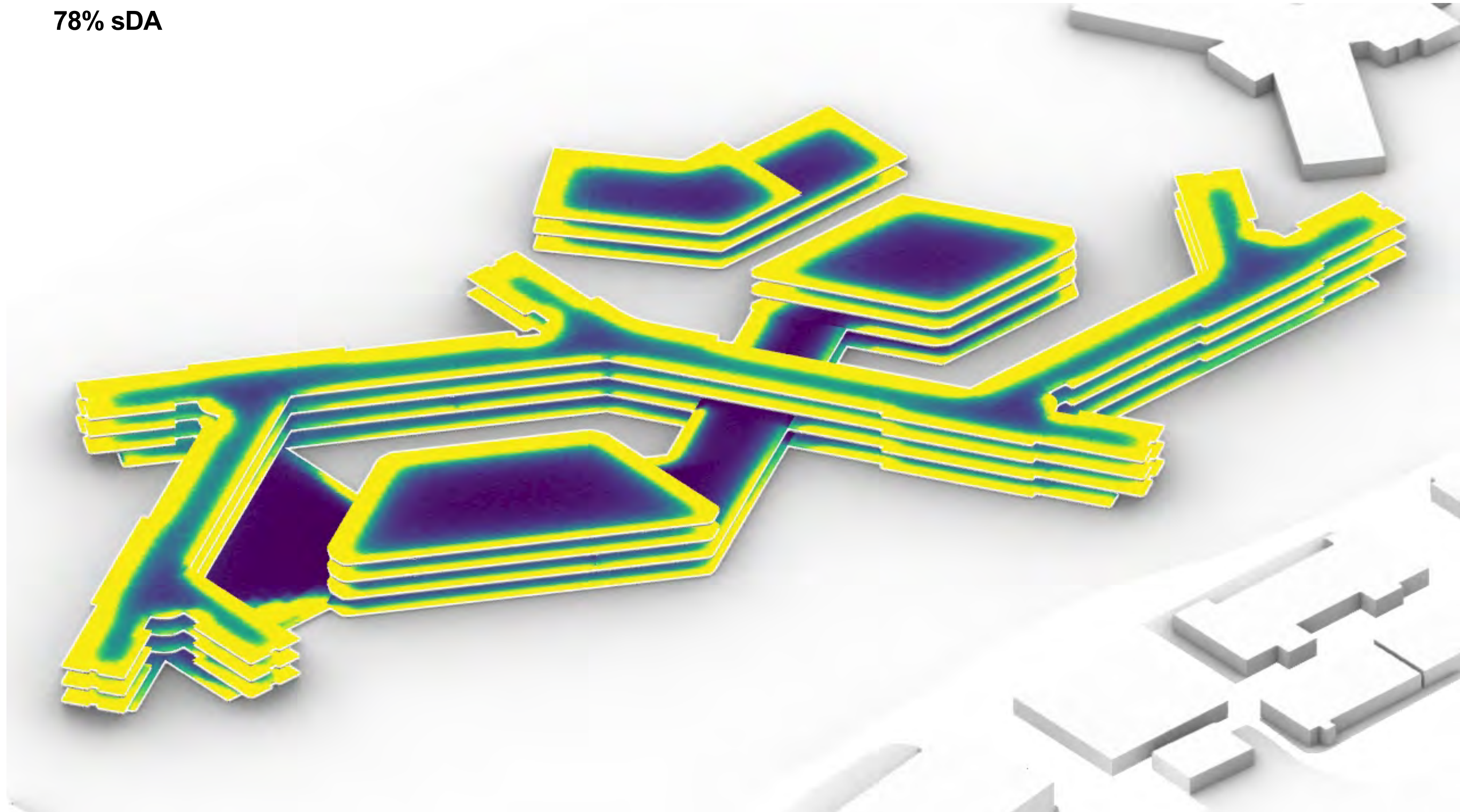


# DIRECT SOLAR HOURS WINTER



# INTERIOR DAYLIGHT AVAILABILITY

78% sDA



0 LUX

2000+ LUX





# A HOME IN THE TREES





# CIRCULATION FLOW LEVEL 3

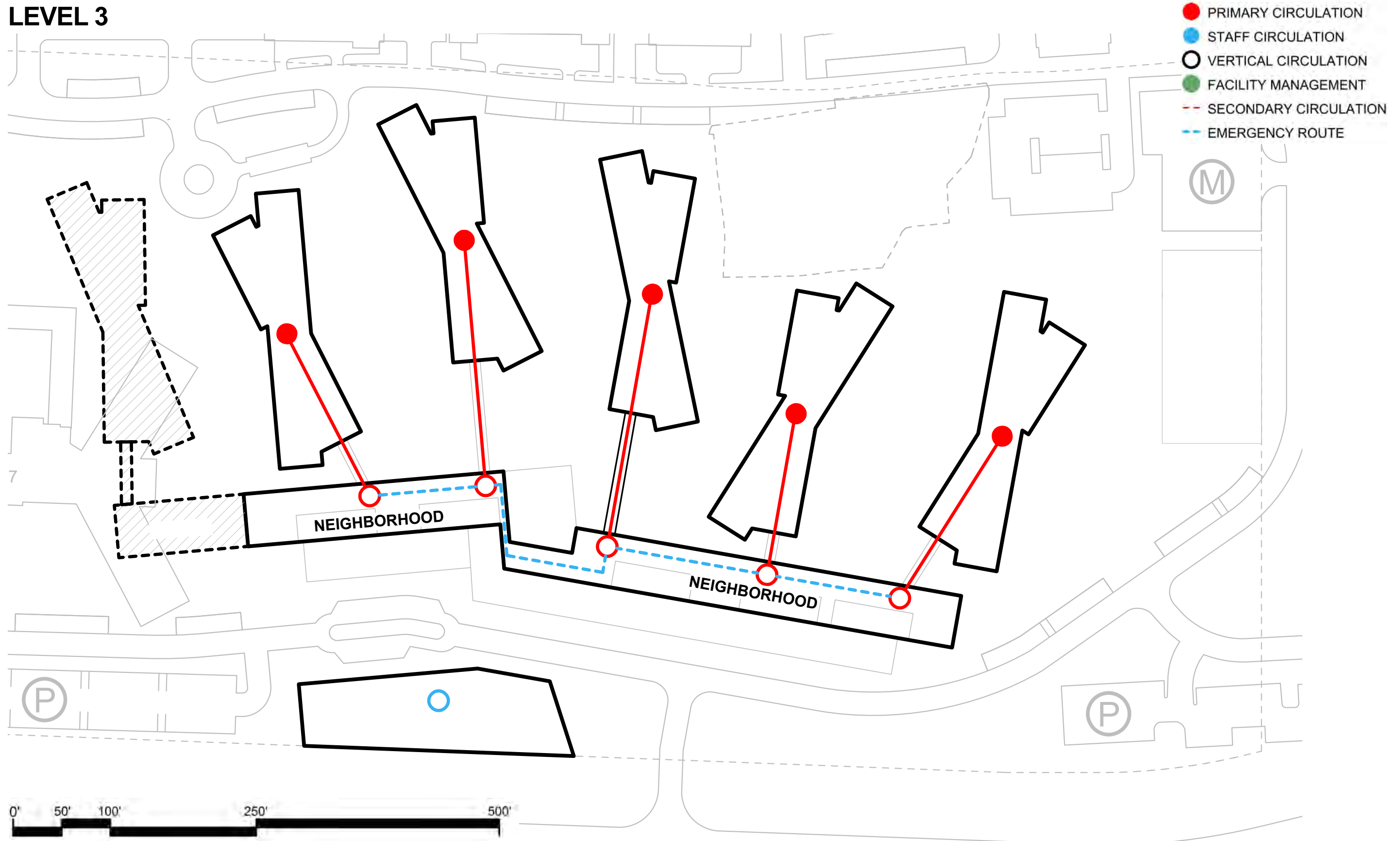


21 APR 2022 → 12 MAY 2022



# CIRCULATION FLOW

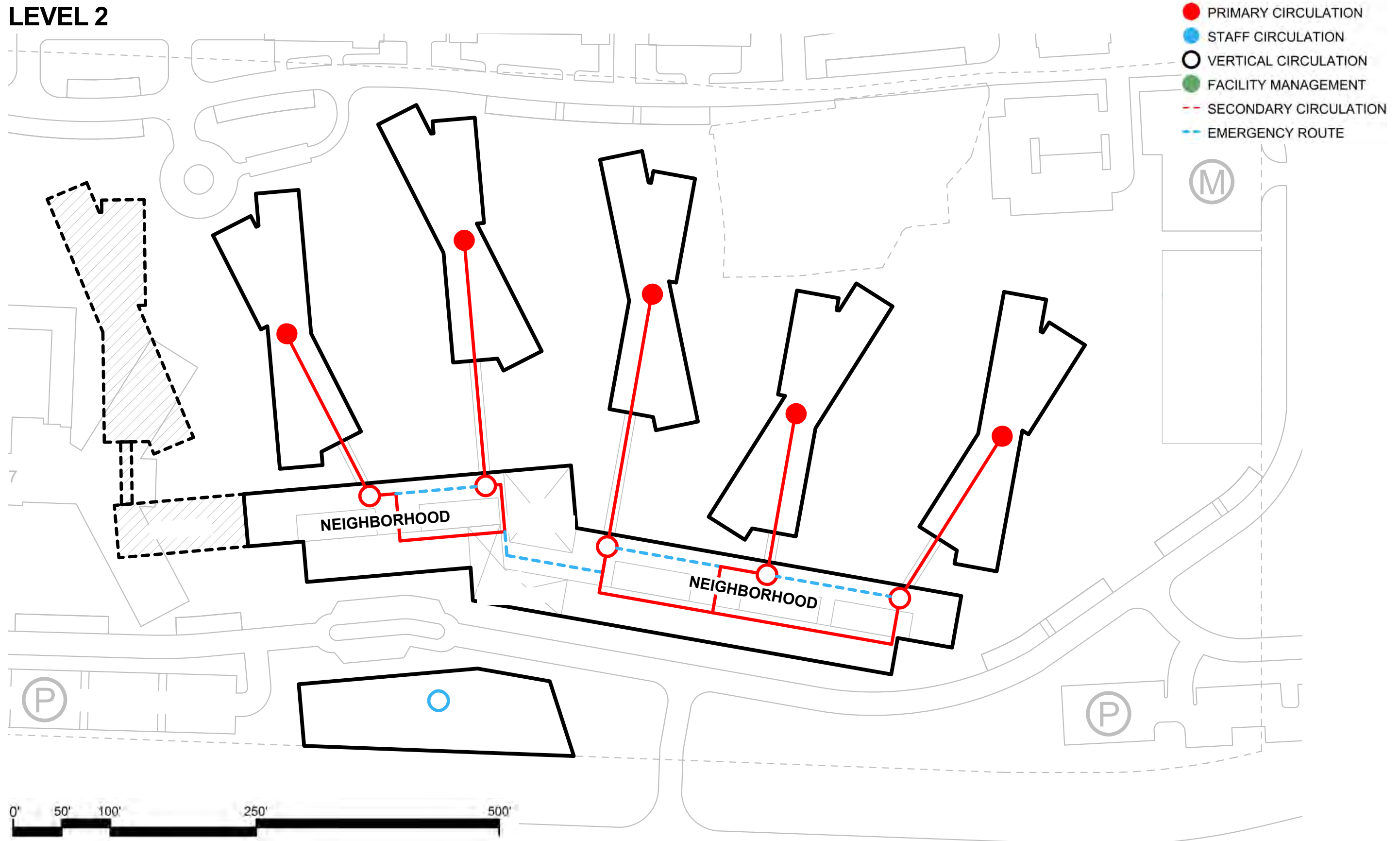
## LEVEL 3



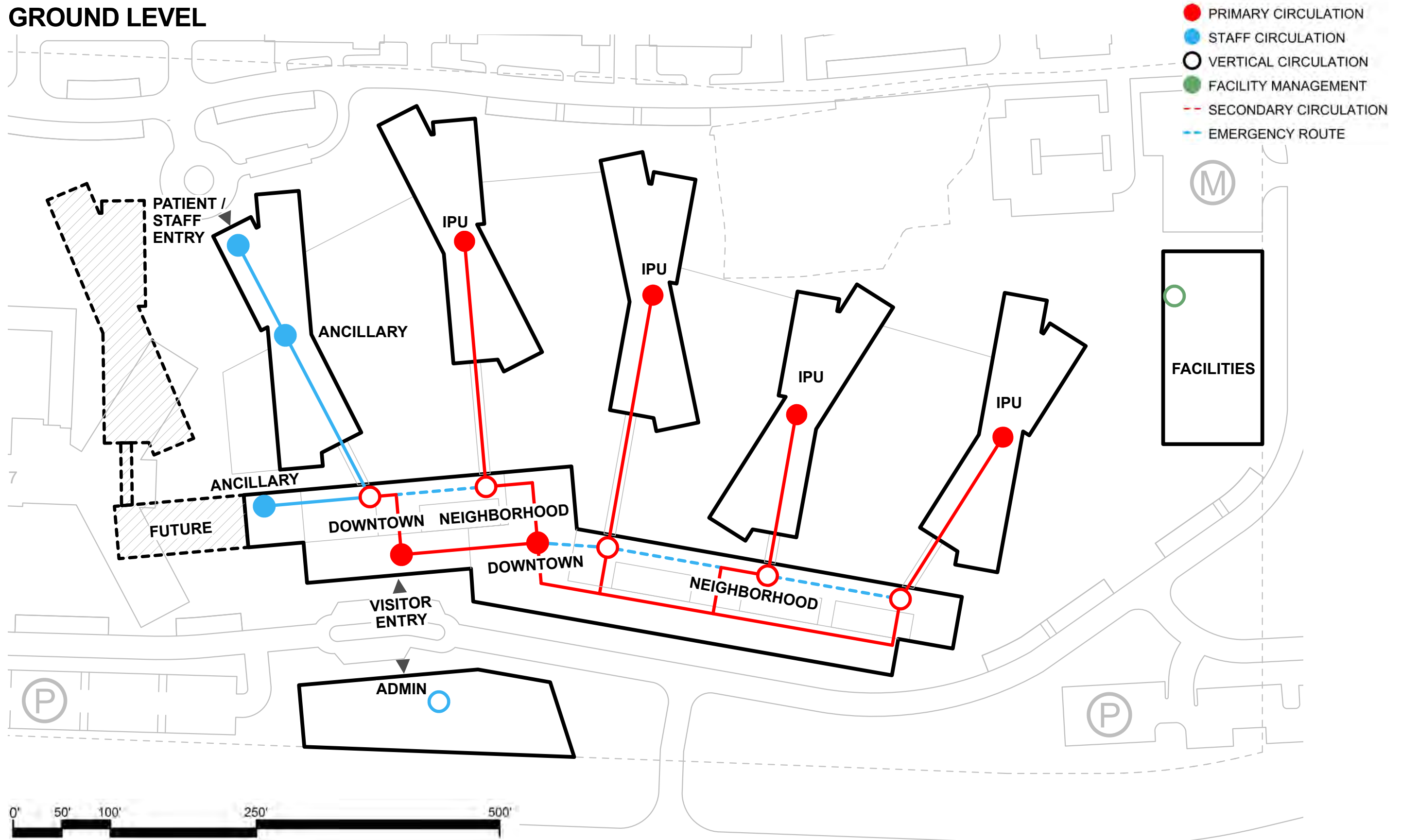


# CIRCULATION FLOW

## LEVEL 2



# CIRCULATION FLOW GROUND LEVEL





# CIRCULATION FLOW

## BASEMENT





# CONCEPTUAL SITE PLAN



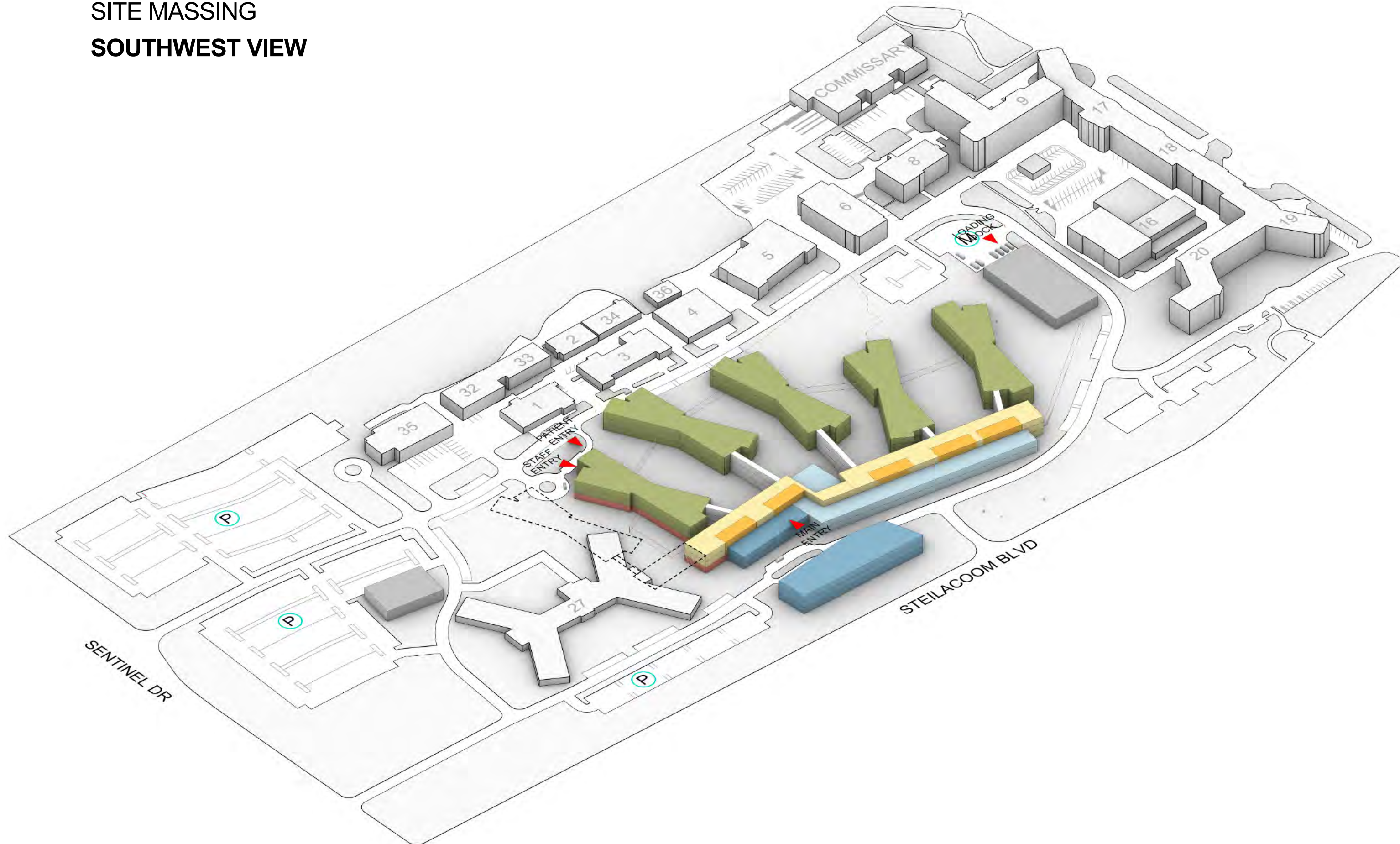
**LEGEND**

- SITE ENTRANCE
- BUILDING ENTRANCE
- PARKING
- MATERIALS HANDLING



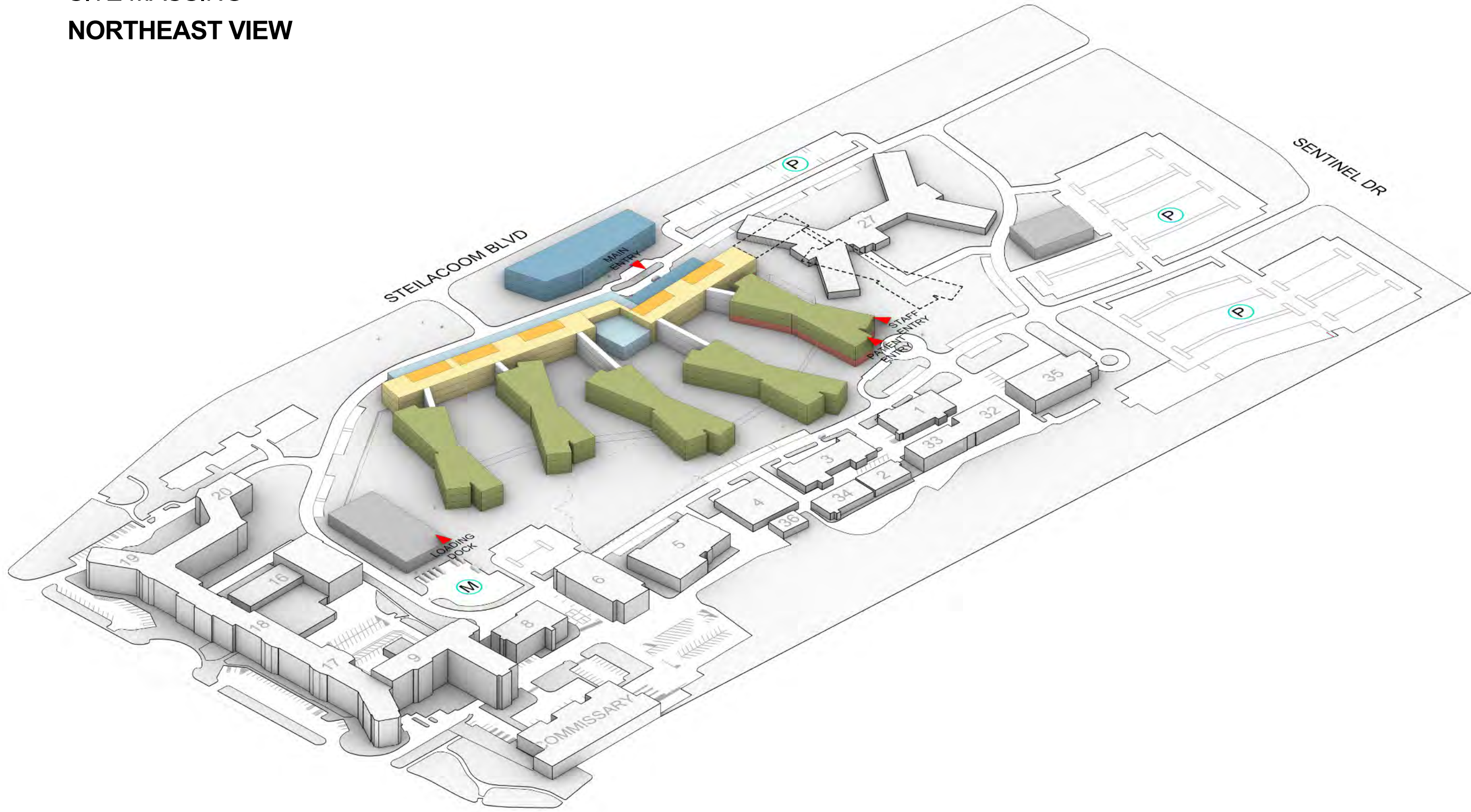


# SITE MASSING SOUTHWEST VIEW



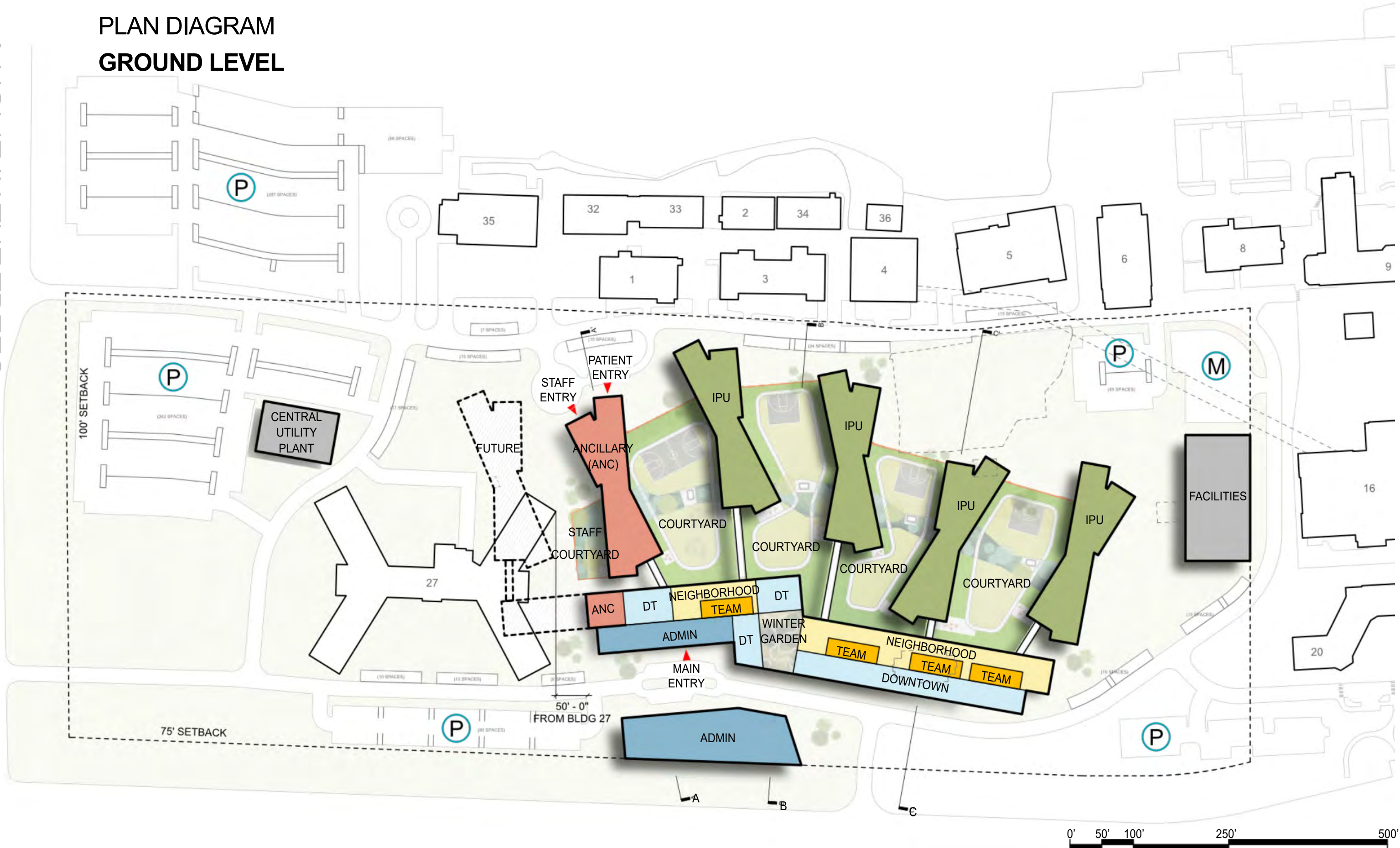


# SITE MASSING NORTHEAST VIEW





# PLAN DIAGRAM GROUND LEVEL



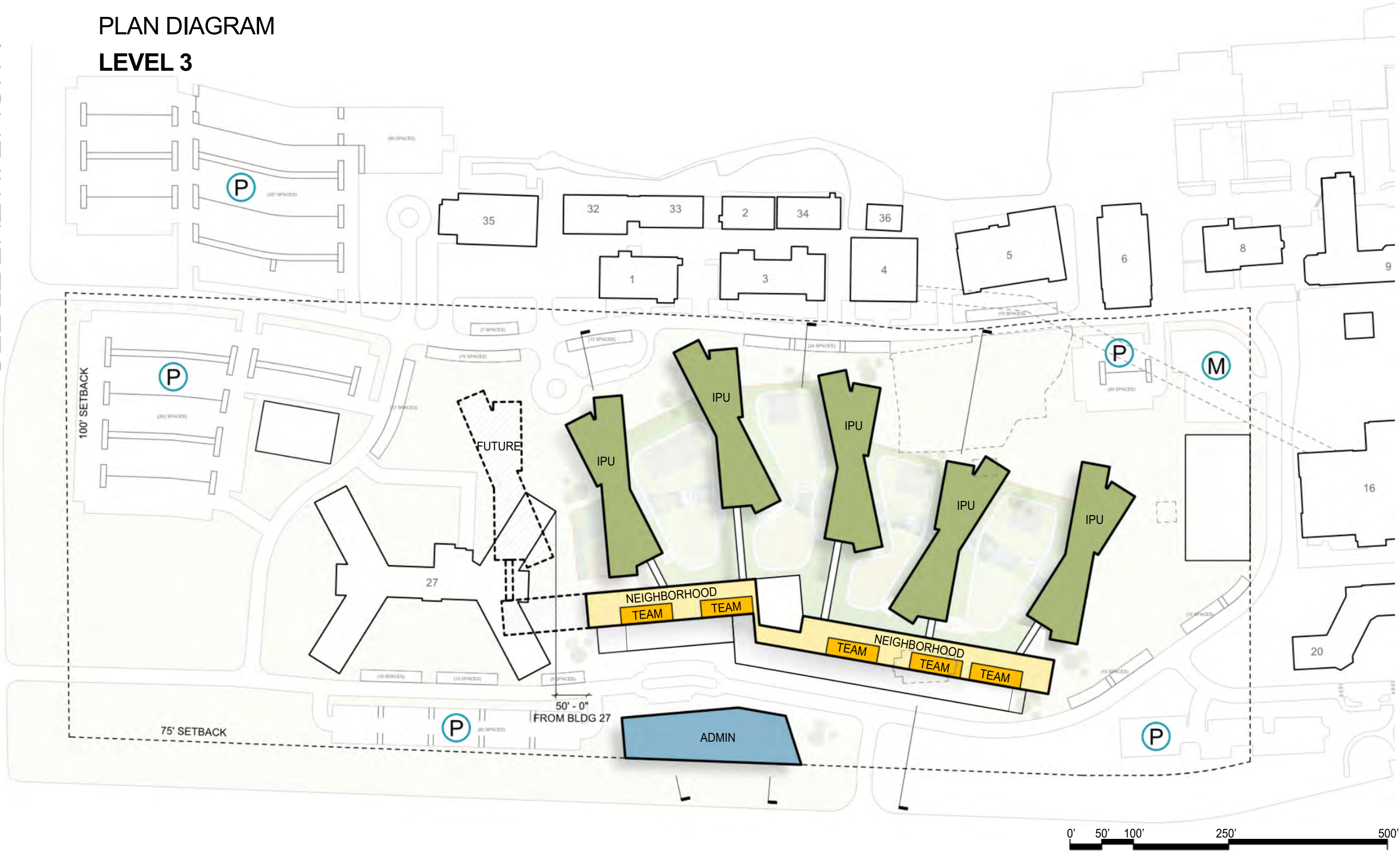


# PLAN DIAGRAM LEVEL 2

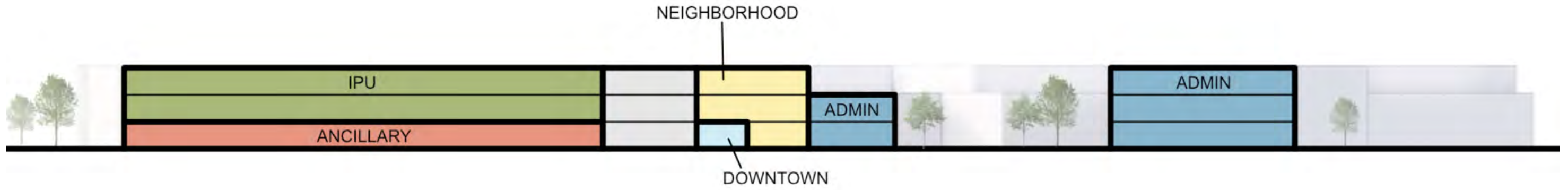




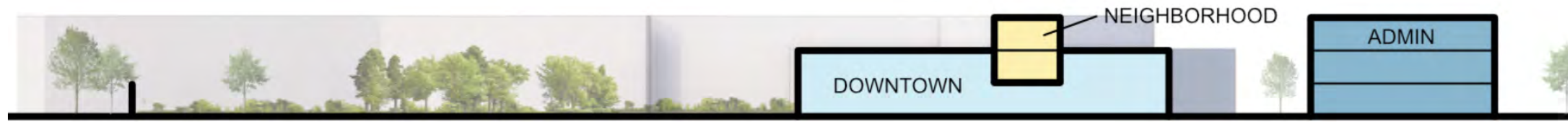
PLAN DIAGRAM  
LEVEL 3



# STACKING DIAGRAMS



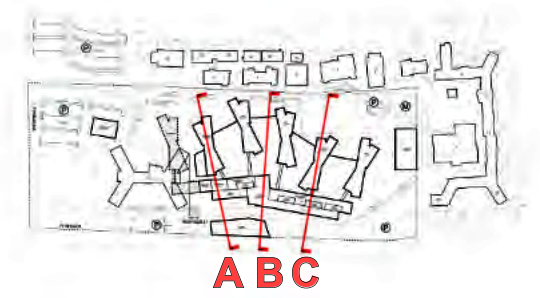
SECTION A-A'



SECTION B-B'



SECTION C-C'





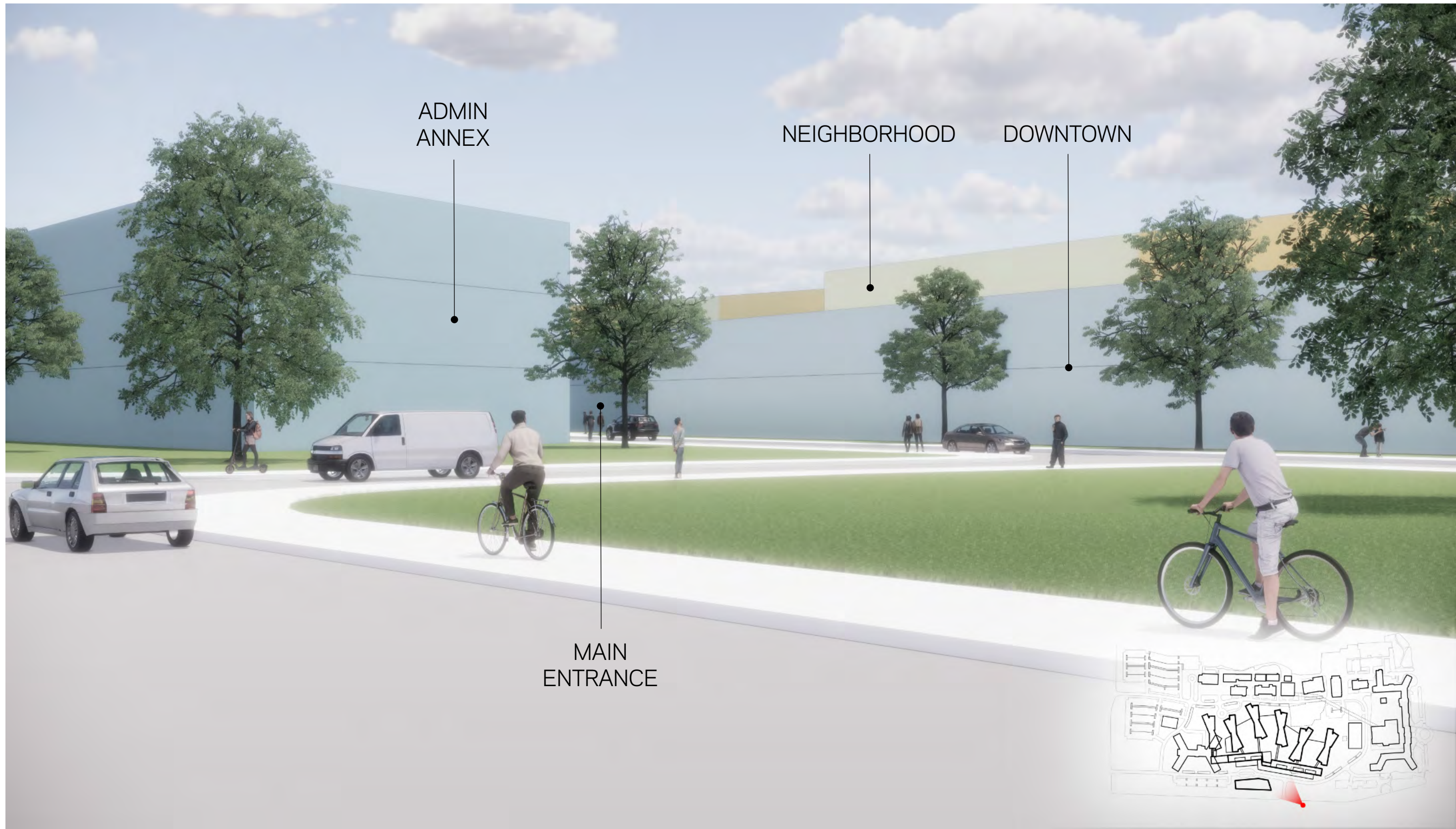
# CONCEPTUAL RENDERING STEILACOOM BLVD VIEW



MAIN  
ENTRANCE



# CONCEPTUAL RENDERING STEILACOOM BLVD VIEW





# CONCEPTUAL RENDERING VISITOR ENTRY



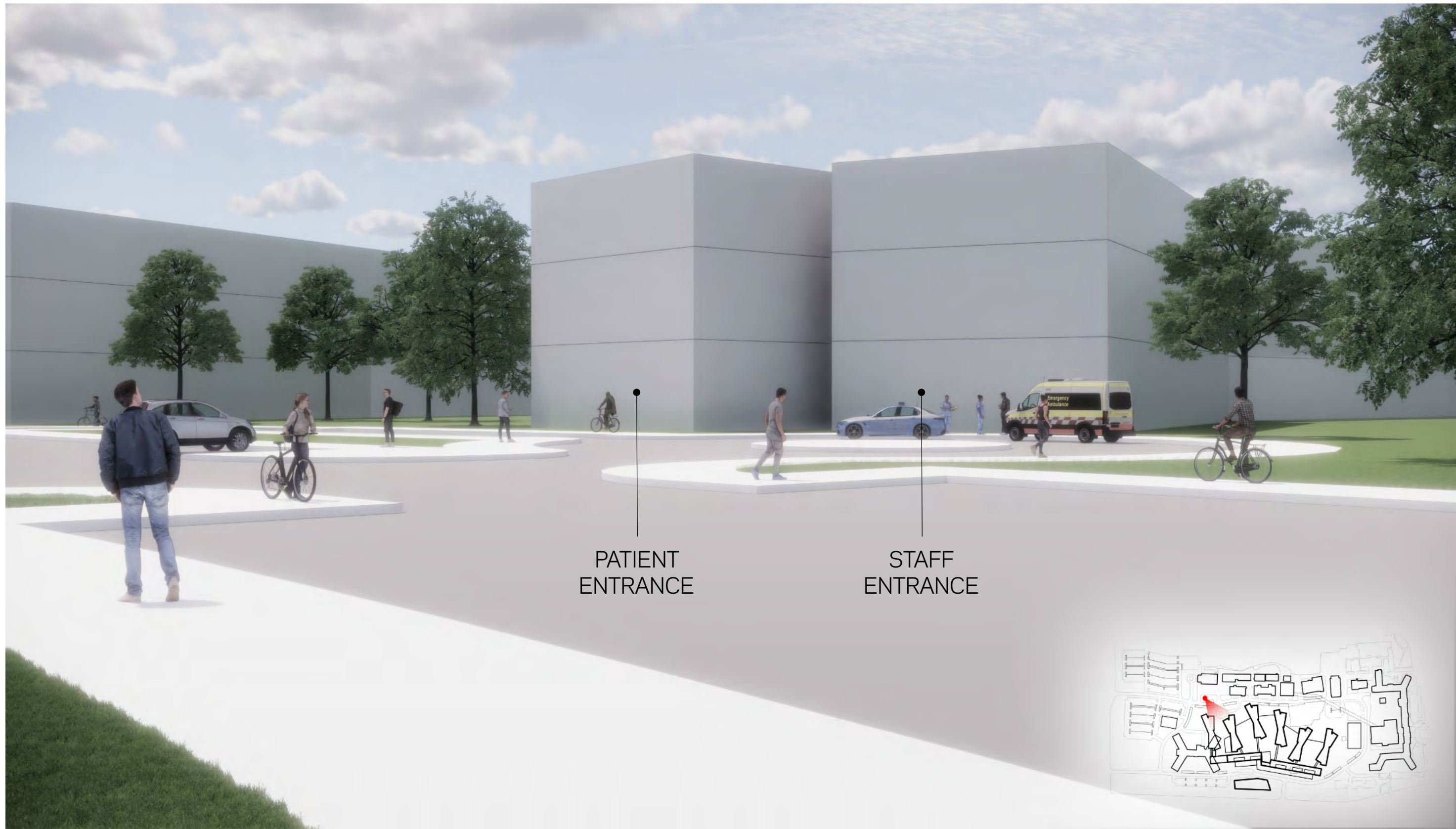


# CONCEPTUAL RENDERING VISITOR ENTRY





# CONCEPTUAL RENDERING PATIENT & STAFF ENTRY





# CONCEPTUAL RENDERING PATIENT & STAFF ENTRY



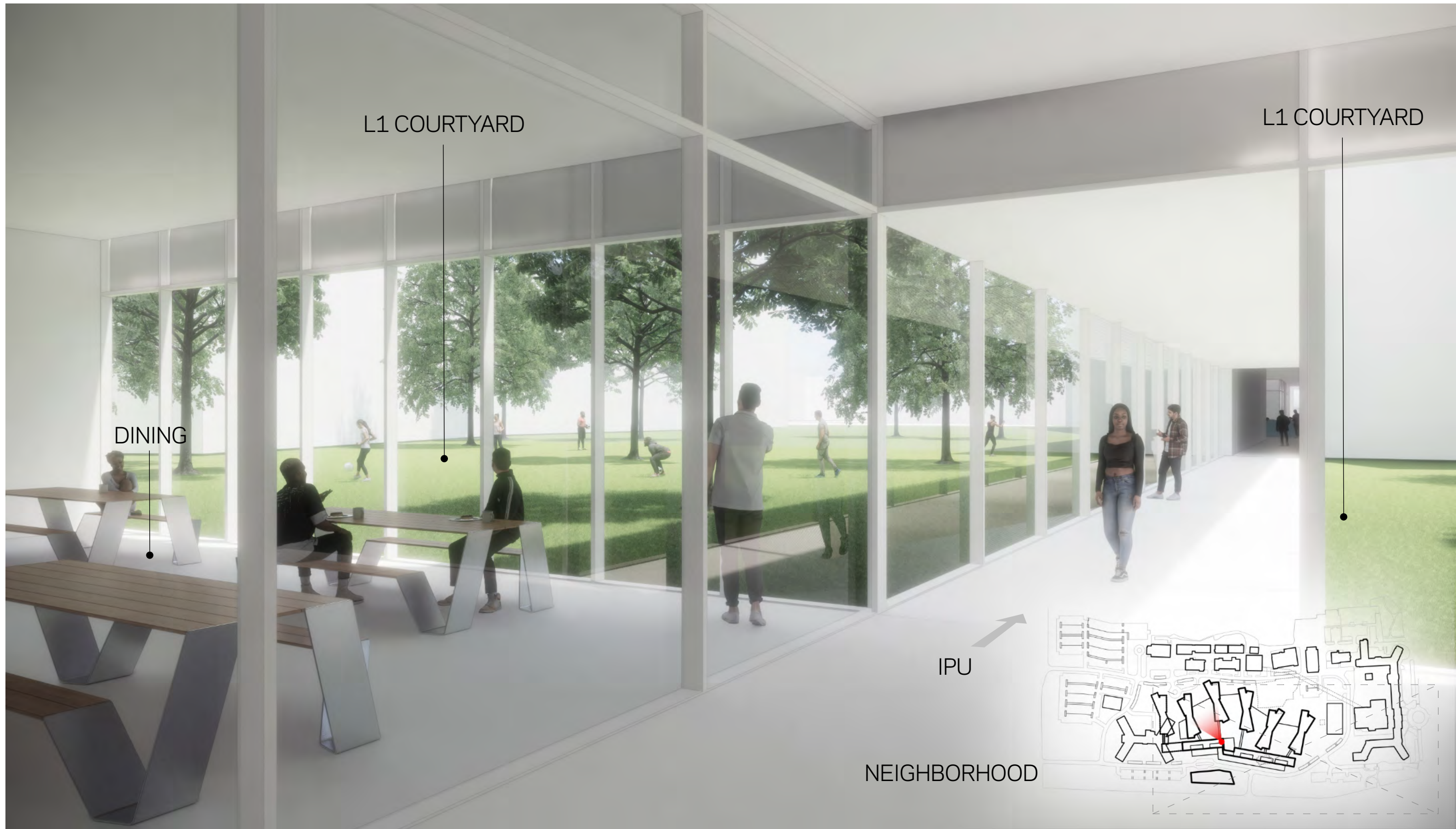


# CONCEPTUAL RENDERING DOWNTOWN





# CONCEPTUAL RENDERING NEIGHBORHOOD





# CONCEPTUAL RENDERING IPU



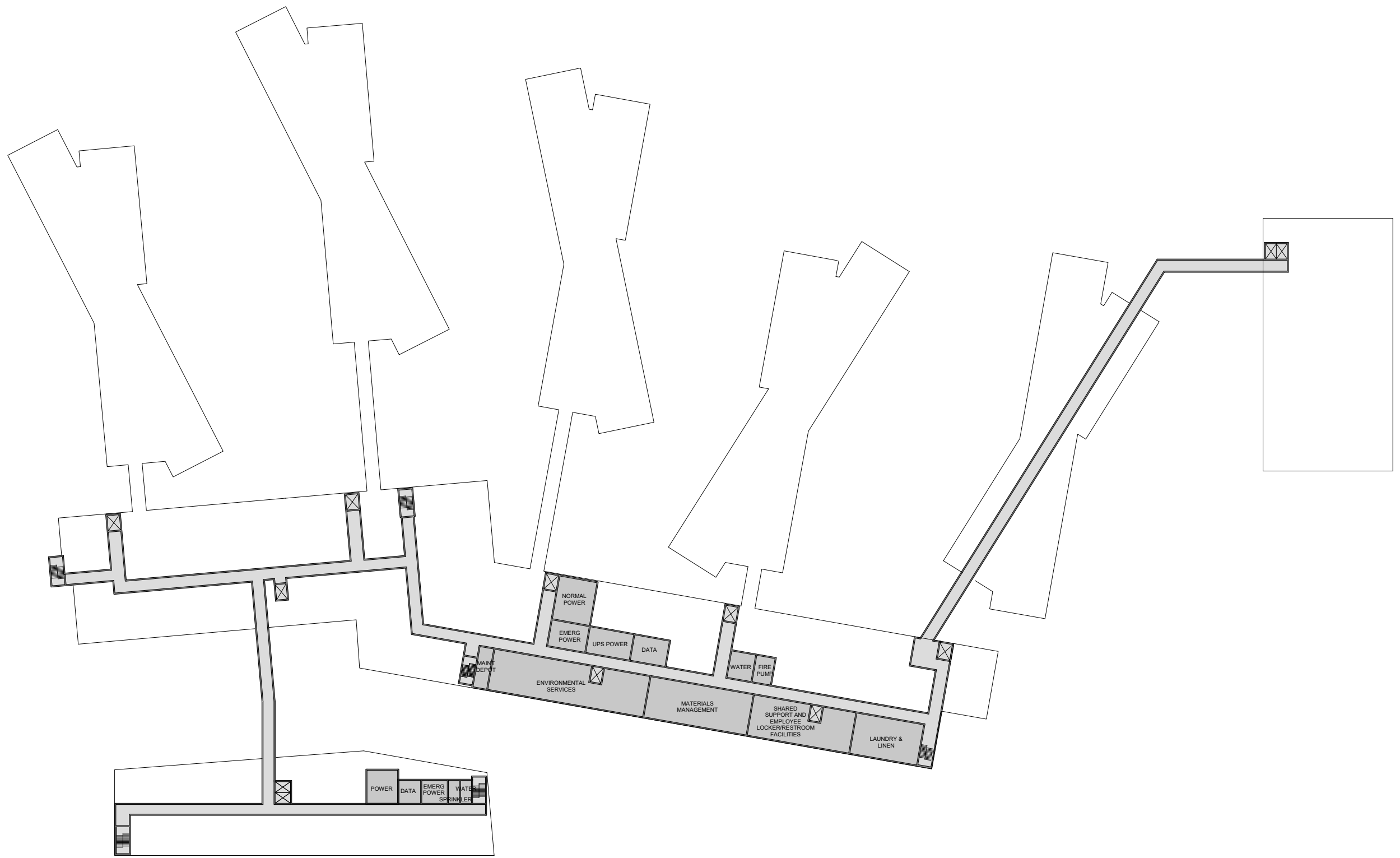


# CONCEPTUAL RENDERING COURTYARD



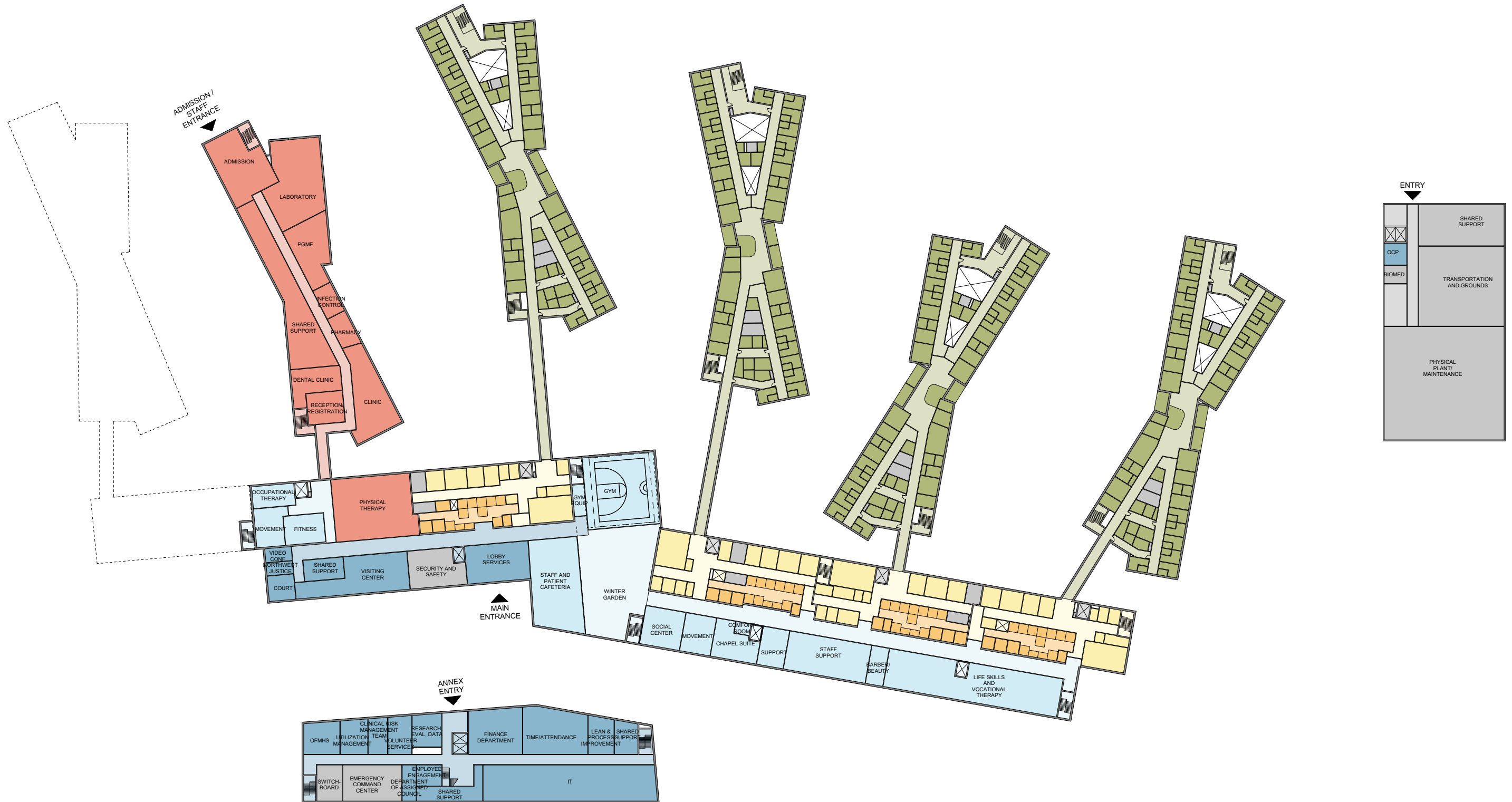


# CONCEPTUAL FLOOR PLAN BASEMENT



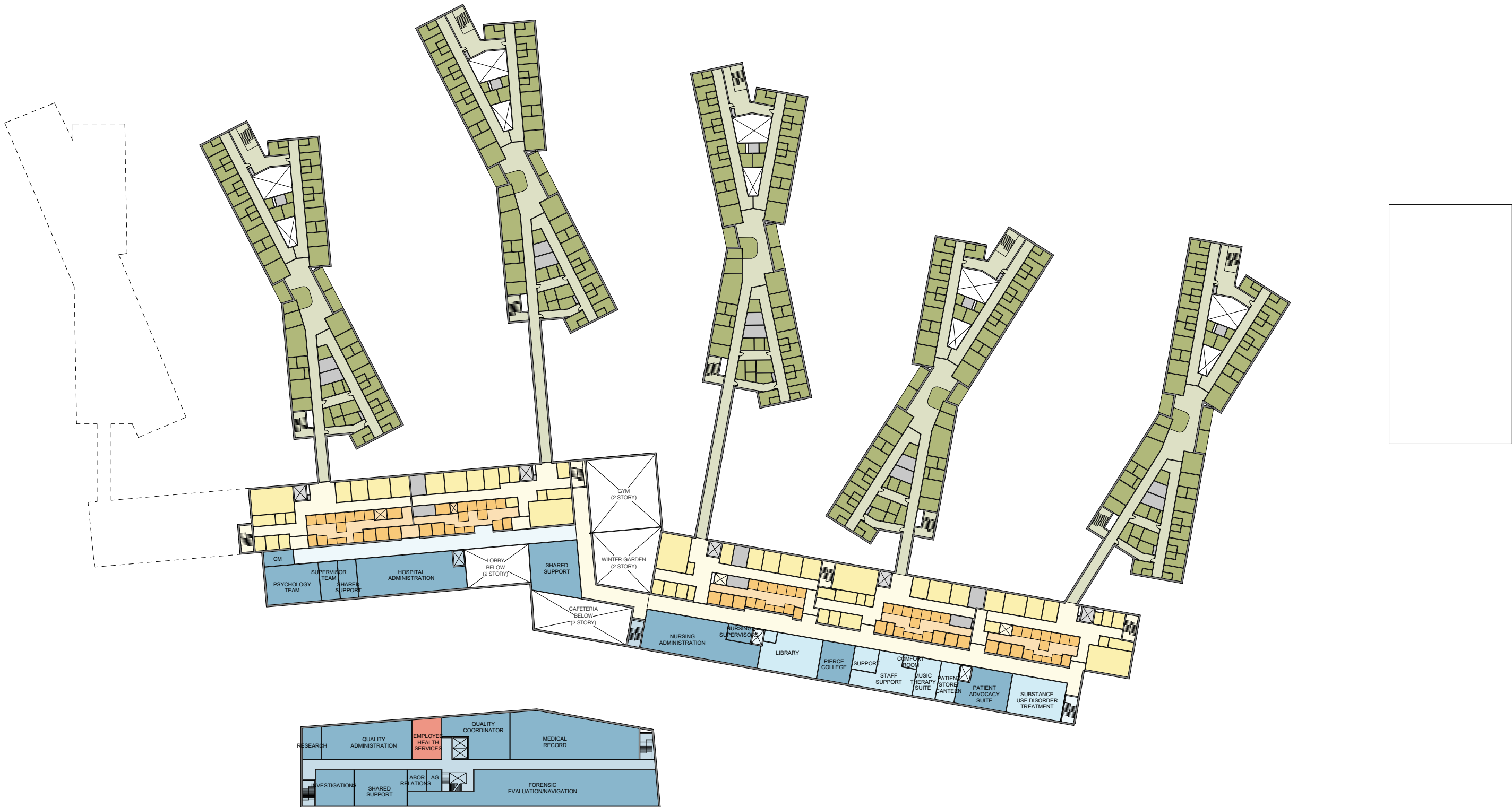


# CONCEPTUAL FLOOR PLAN GROUND FLOOR



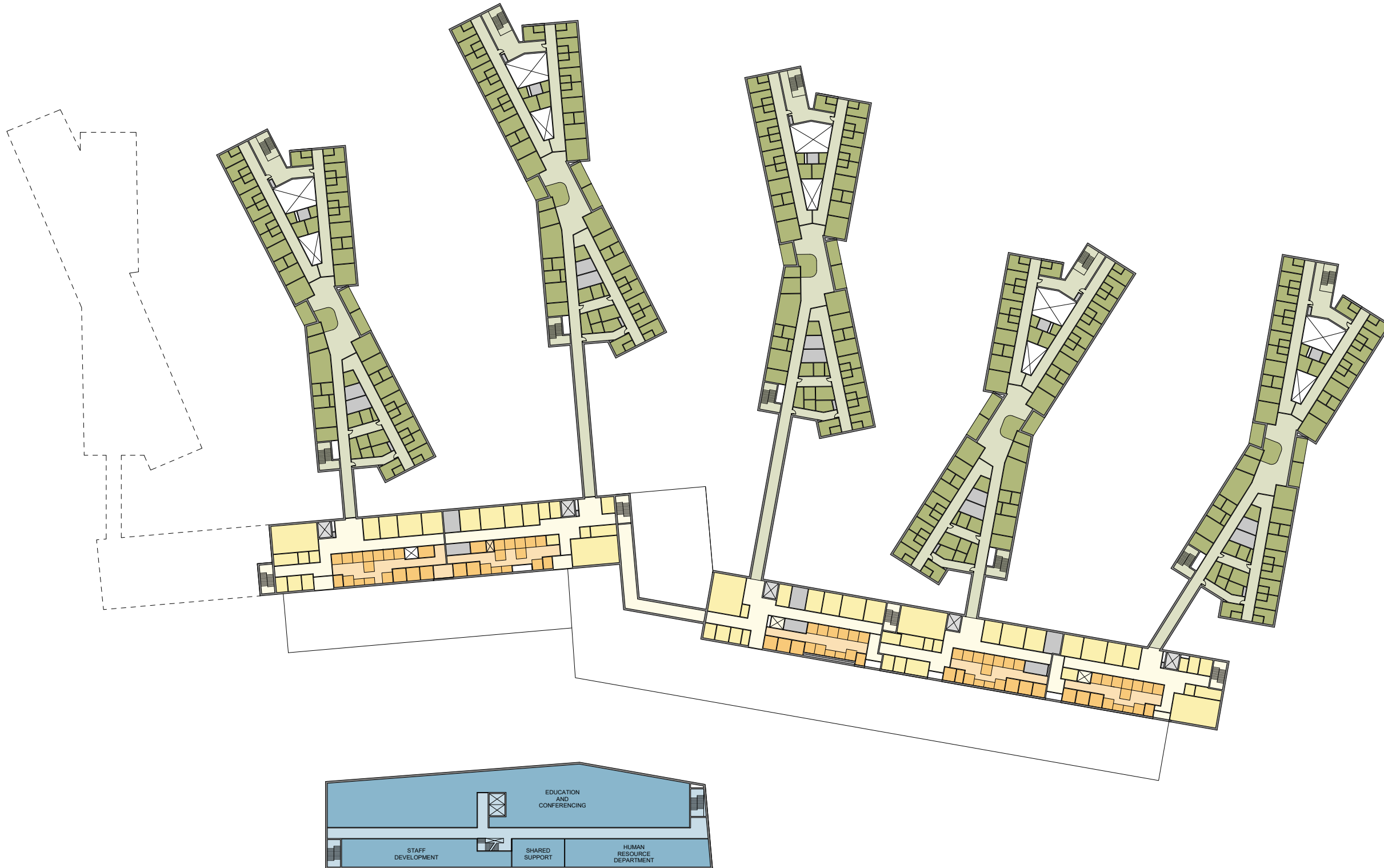


# CONCEPTUAL FLOOR PLAN LEVEL 2



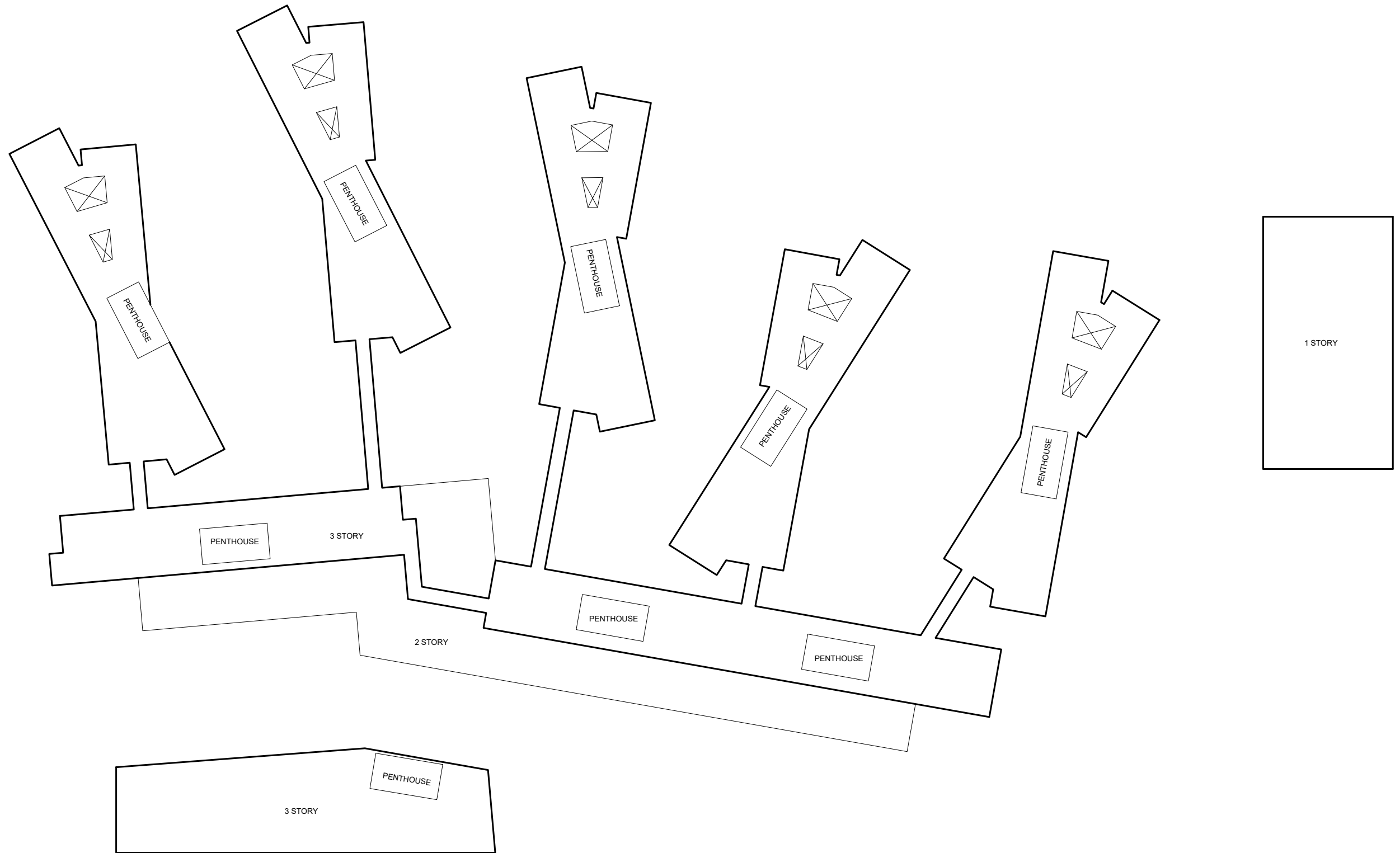


# CONCEPTUAL FLOOR PLAN LEVEL 3





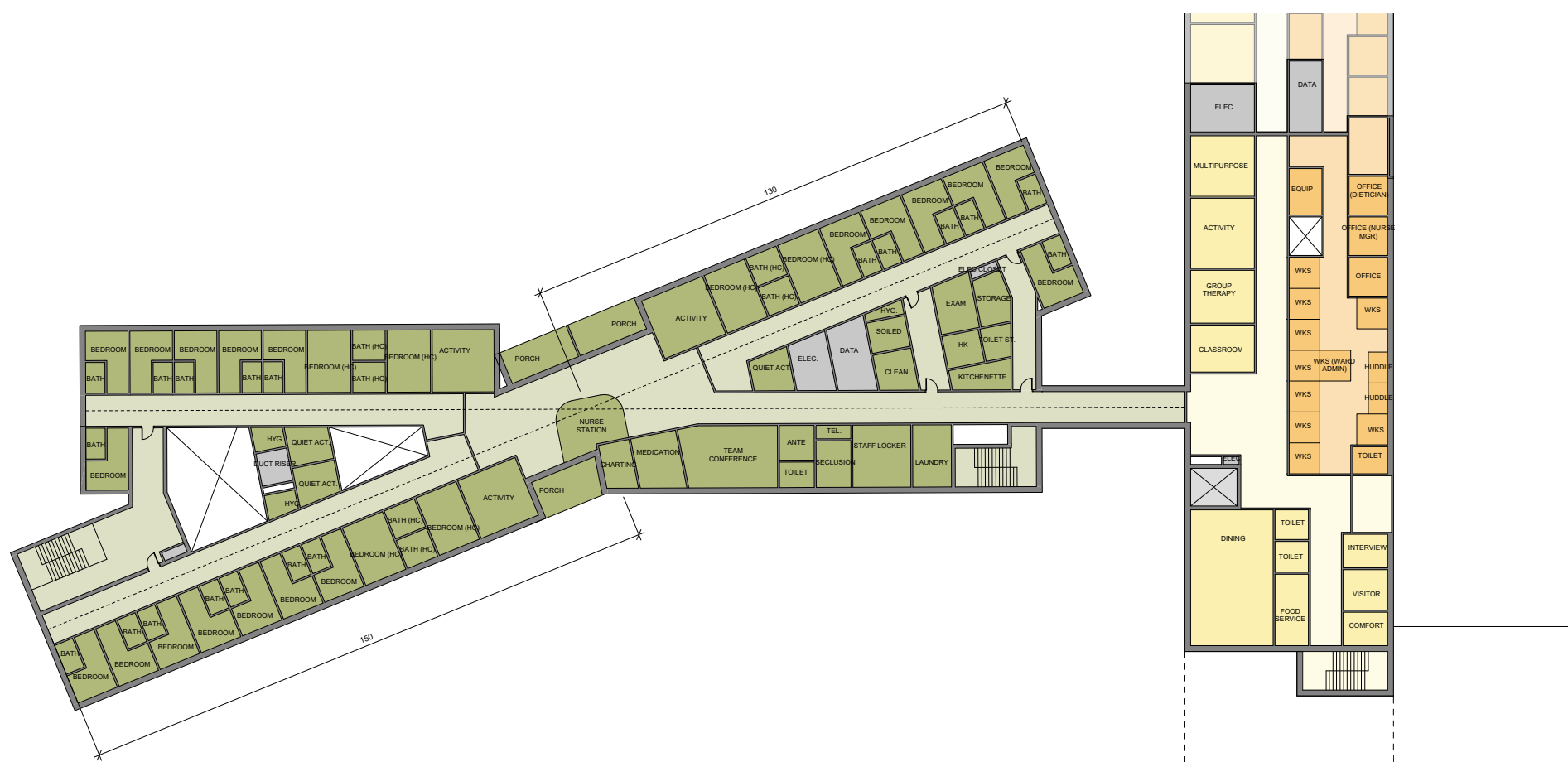
# CONCEPTUAL FLOOR PLAN ROOF





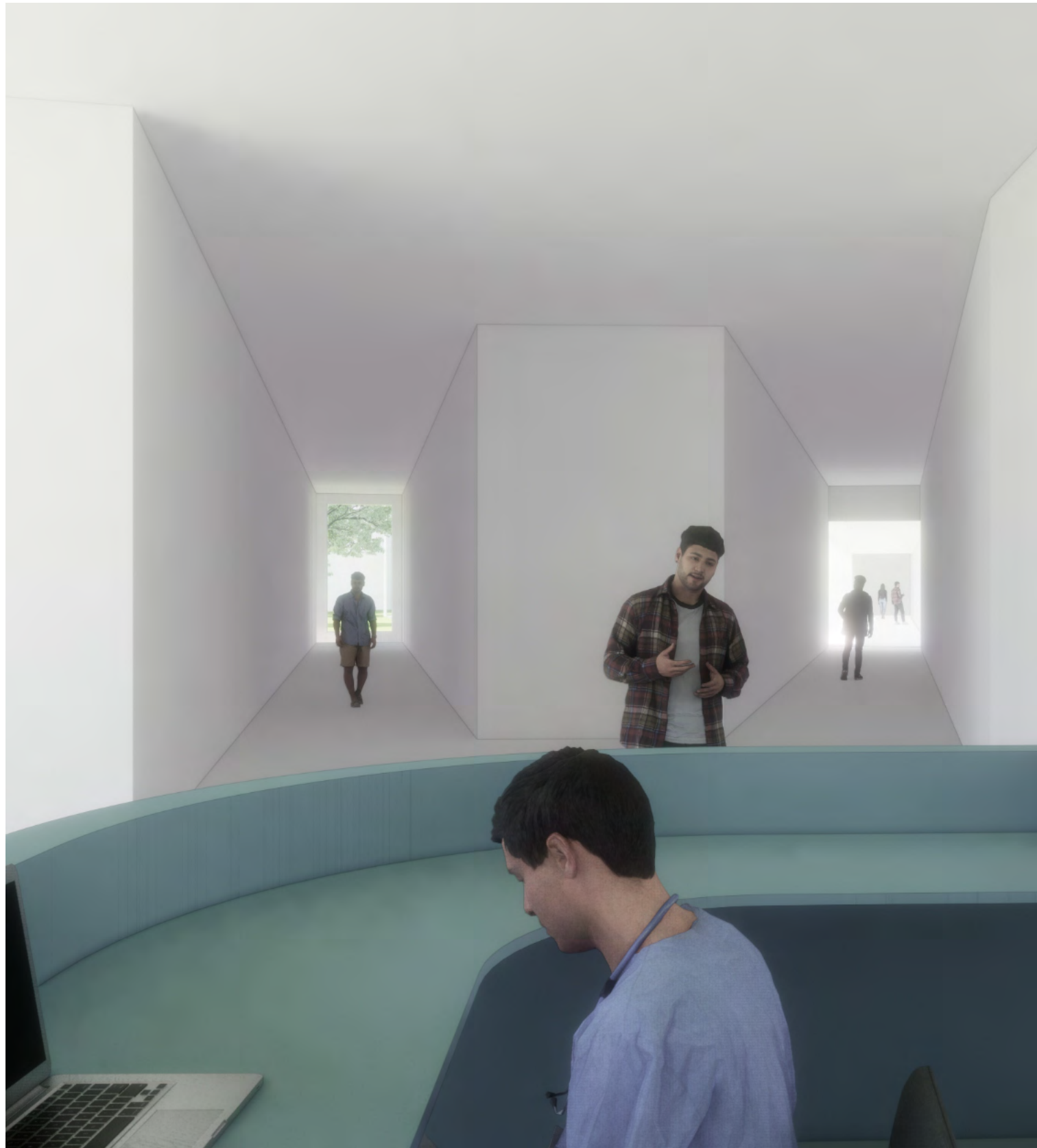
# IPU TYPOLOGY

## IPU



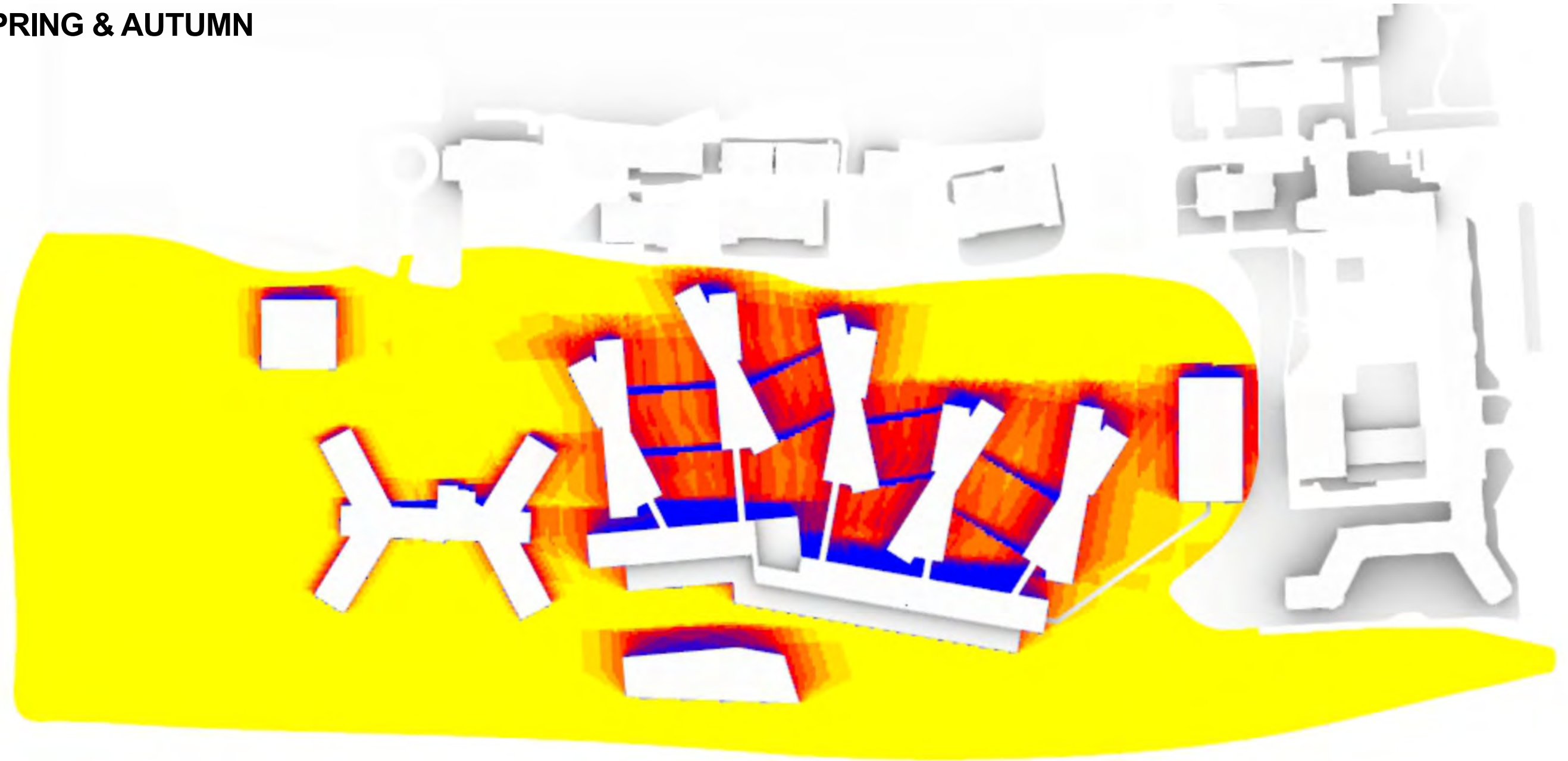


CONCEPTUAL RENDERING  
IPU - SIGHTLINES



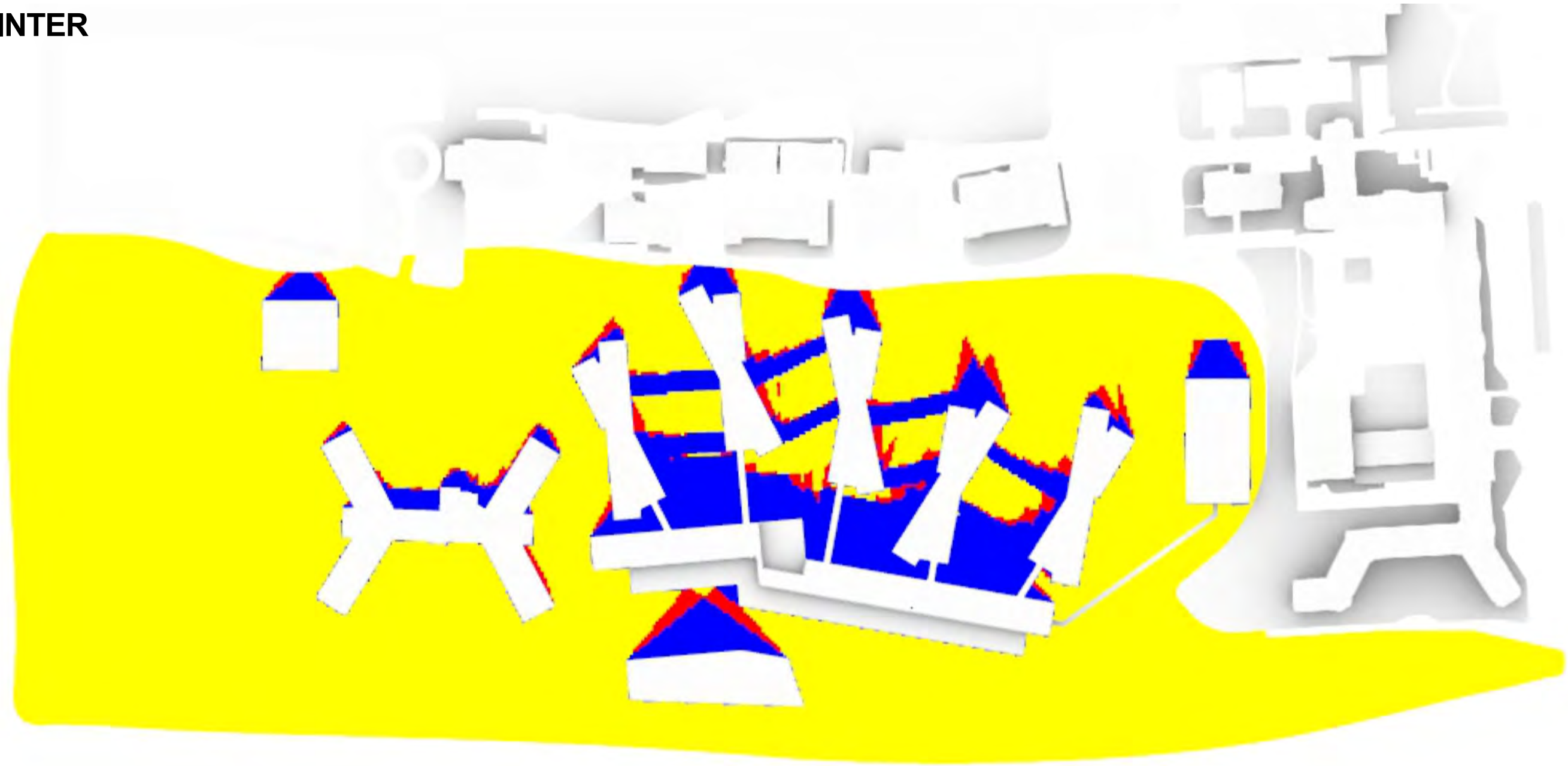


# DIRECT SOLAR HOURS SPRING & AUTUMN

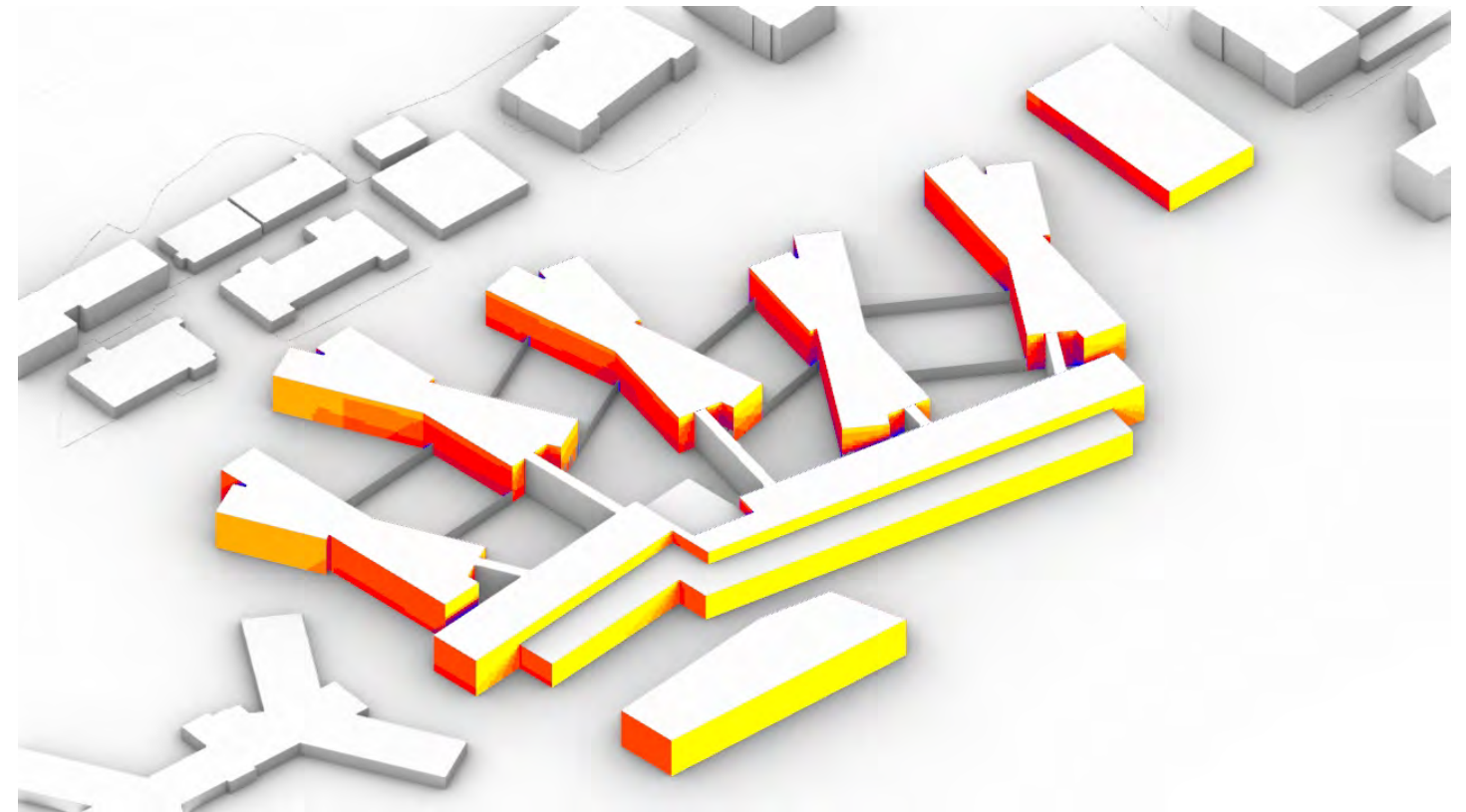
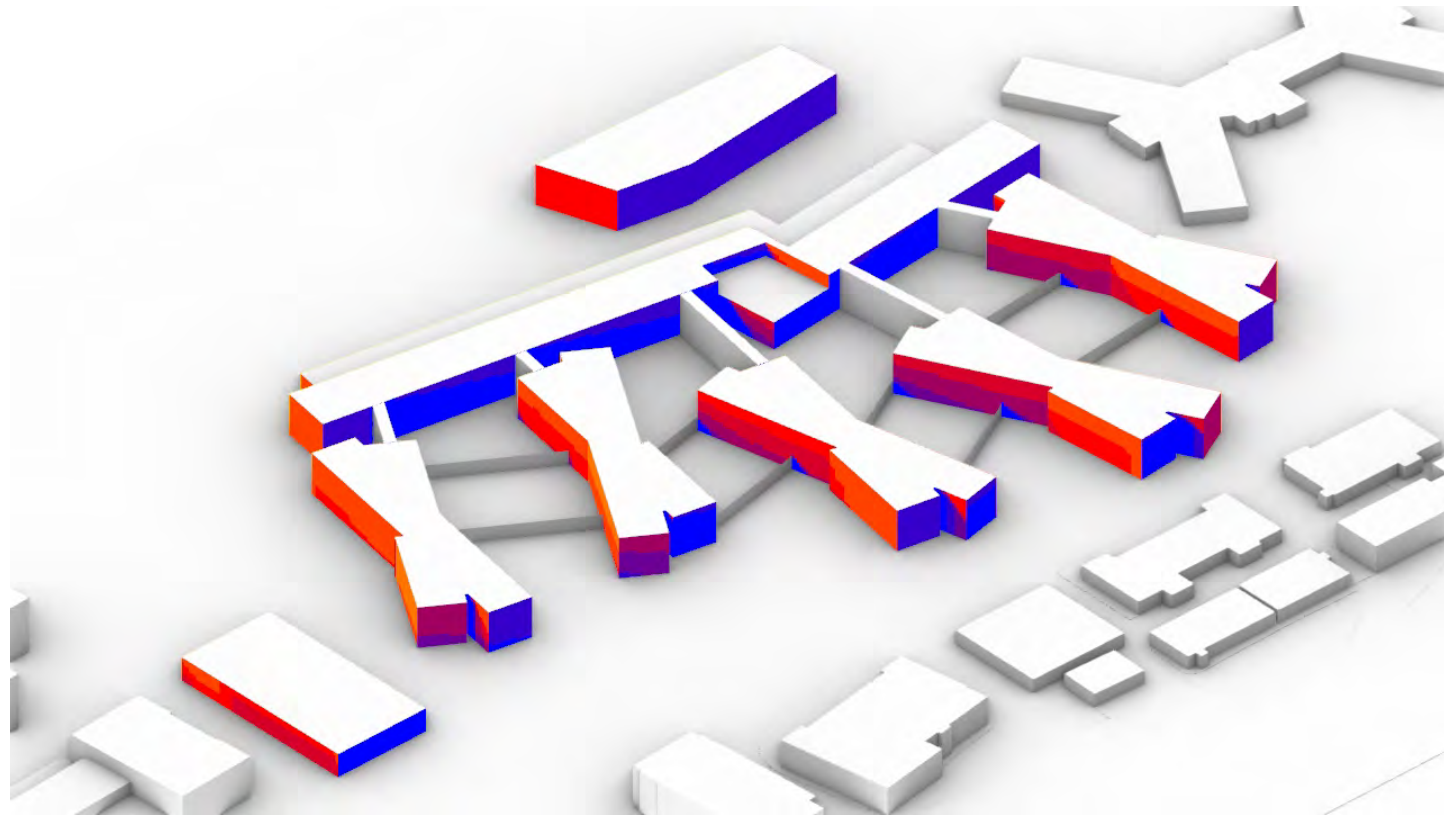




DIRECT SOLAR HOURS  
WINTER

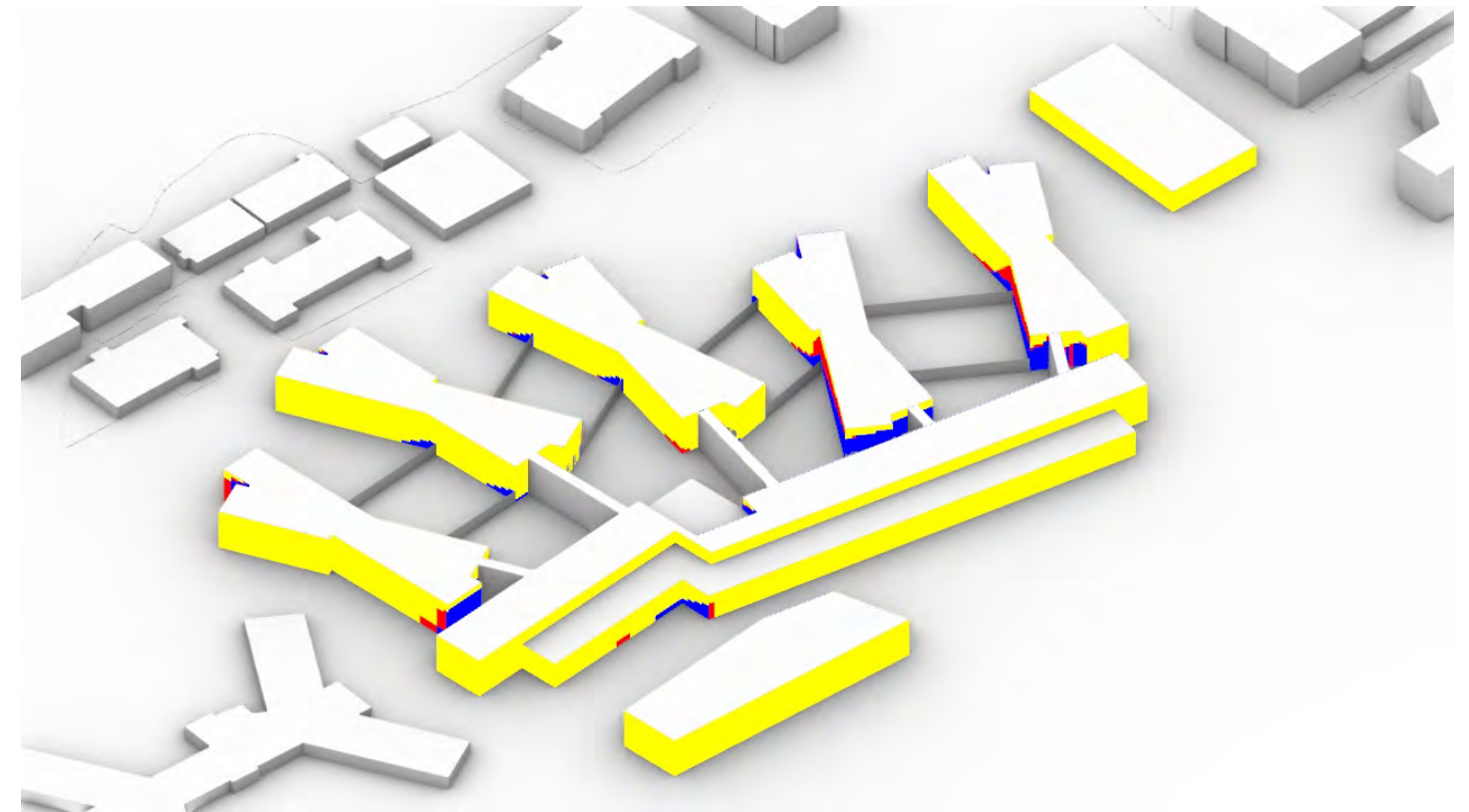
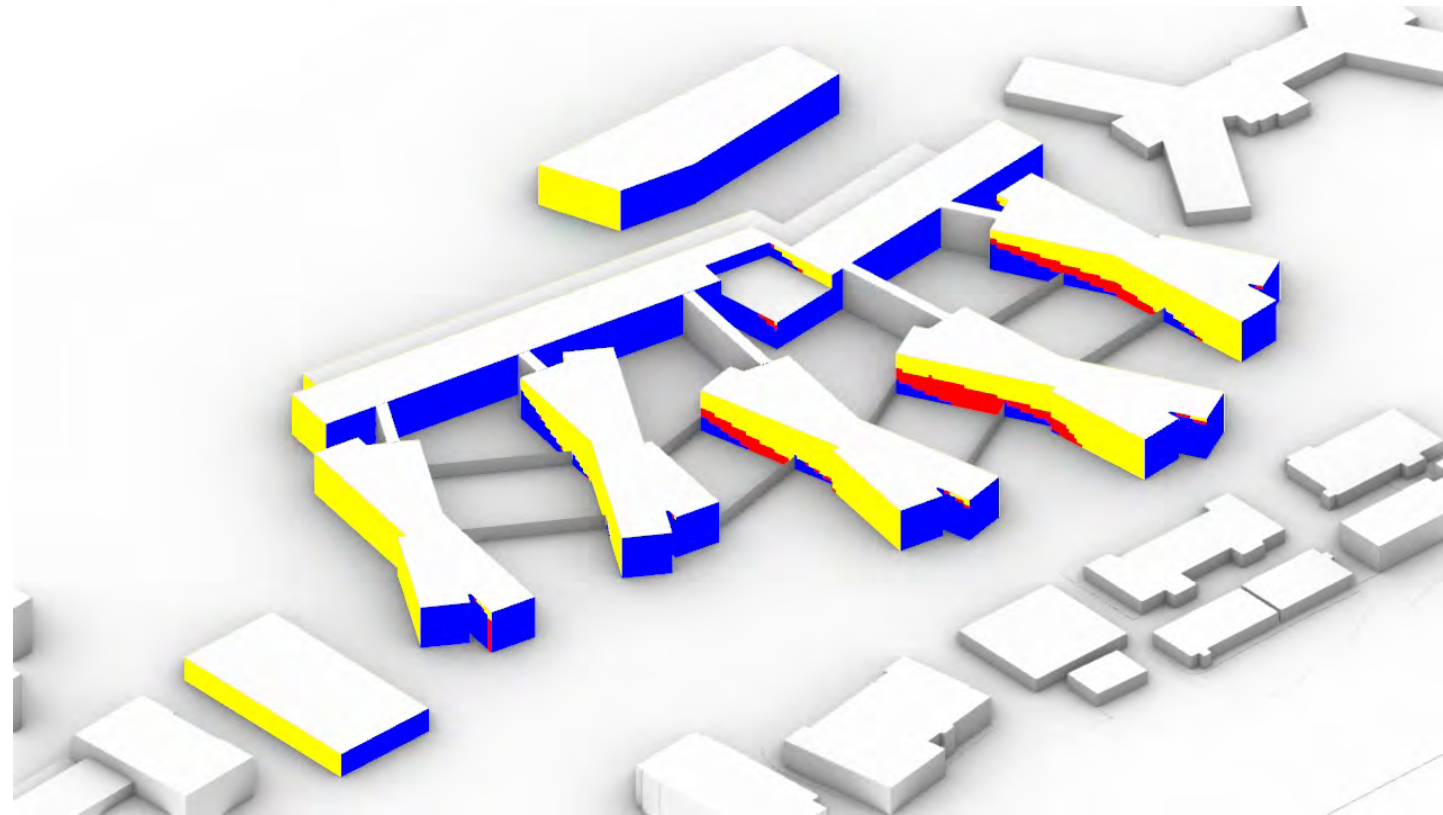


# DIRECT SOLAR HOURS SPRING & AUTUMN



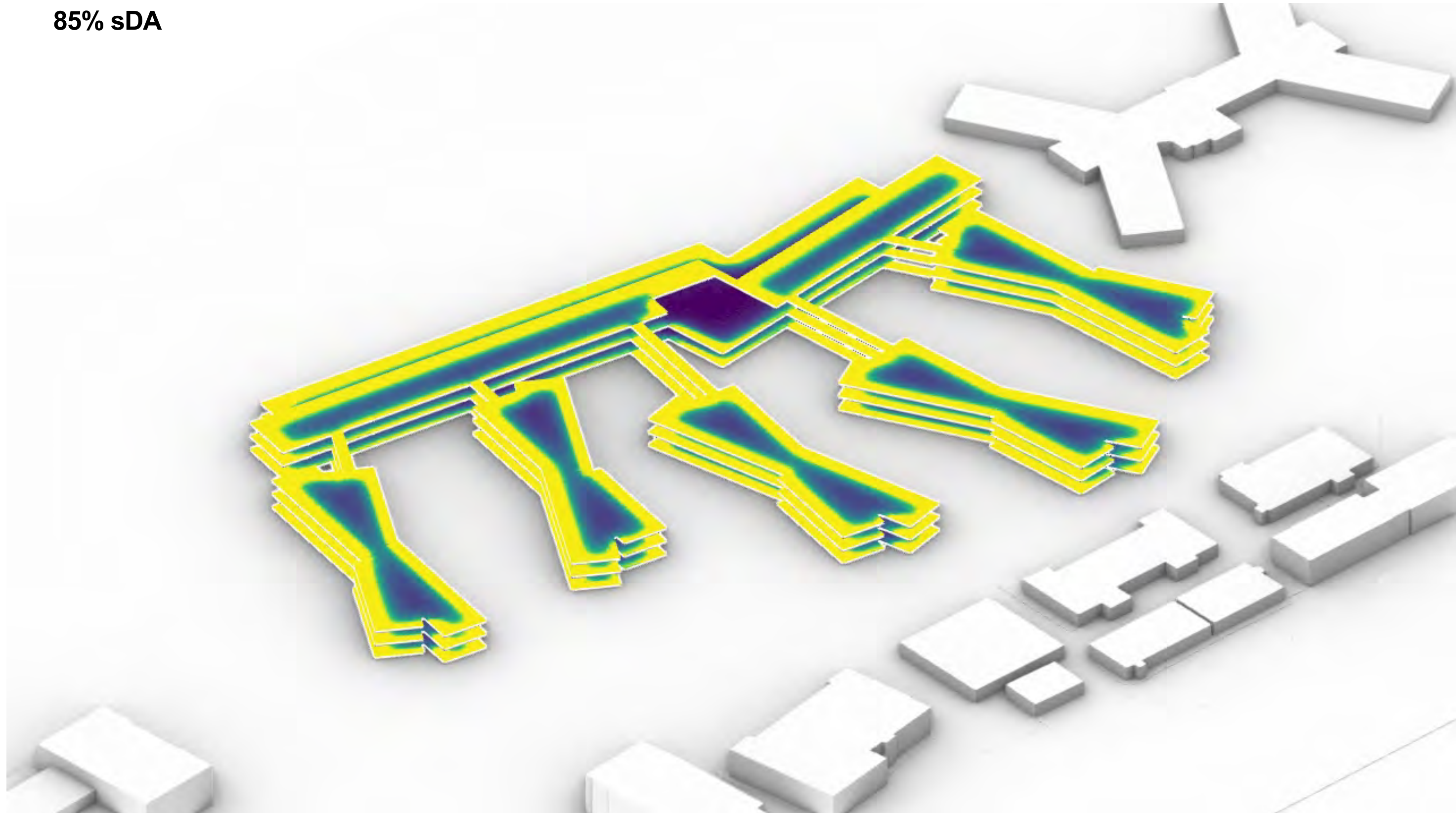


# DIRECT SOLAR HOURS WINTER



# INTERIOR DAYLIGHT AVAILABILITY

85% sDA

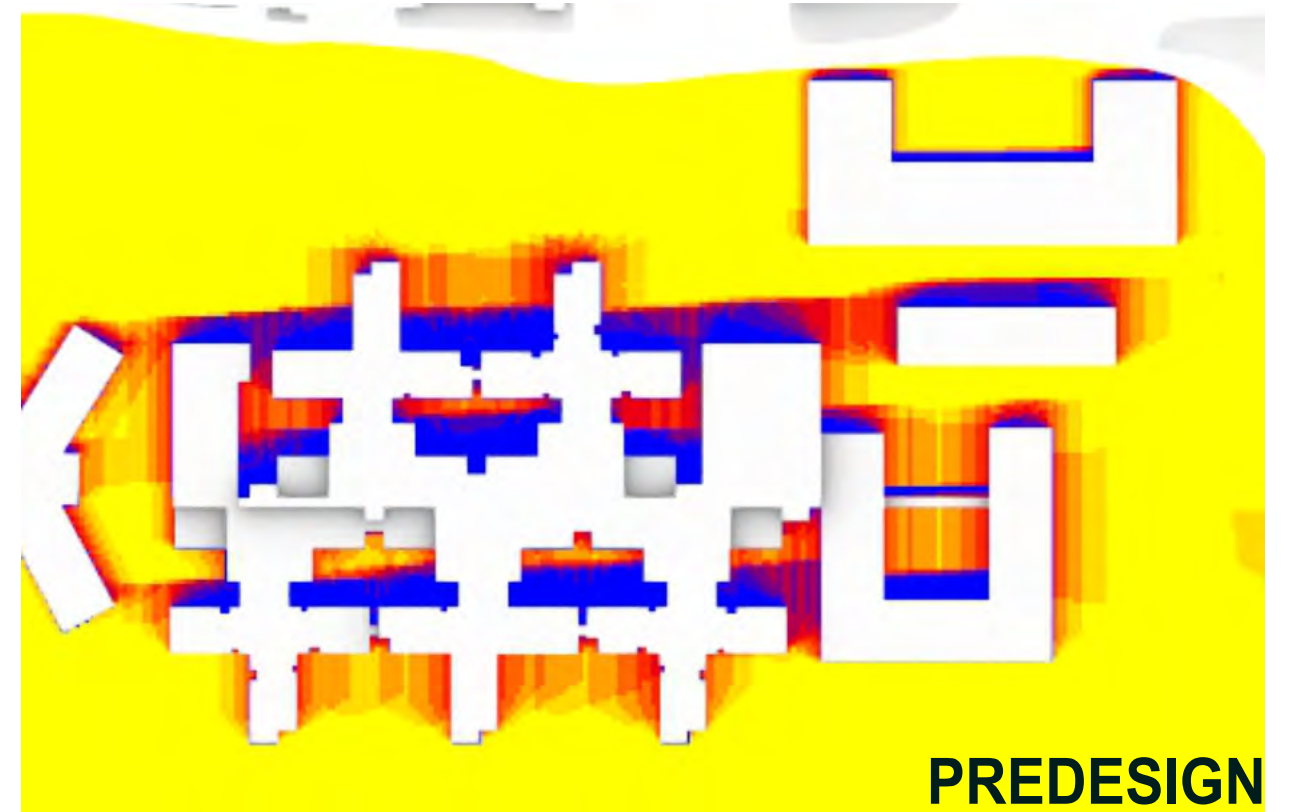


0 LUX

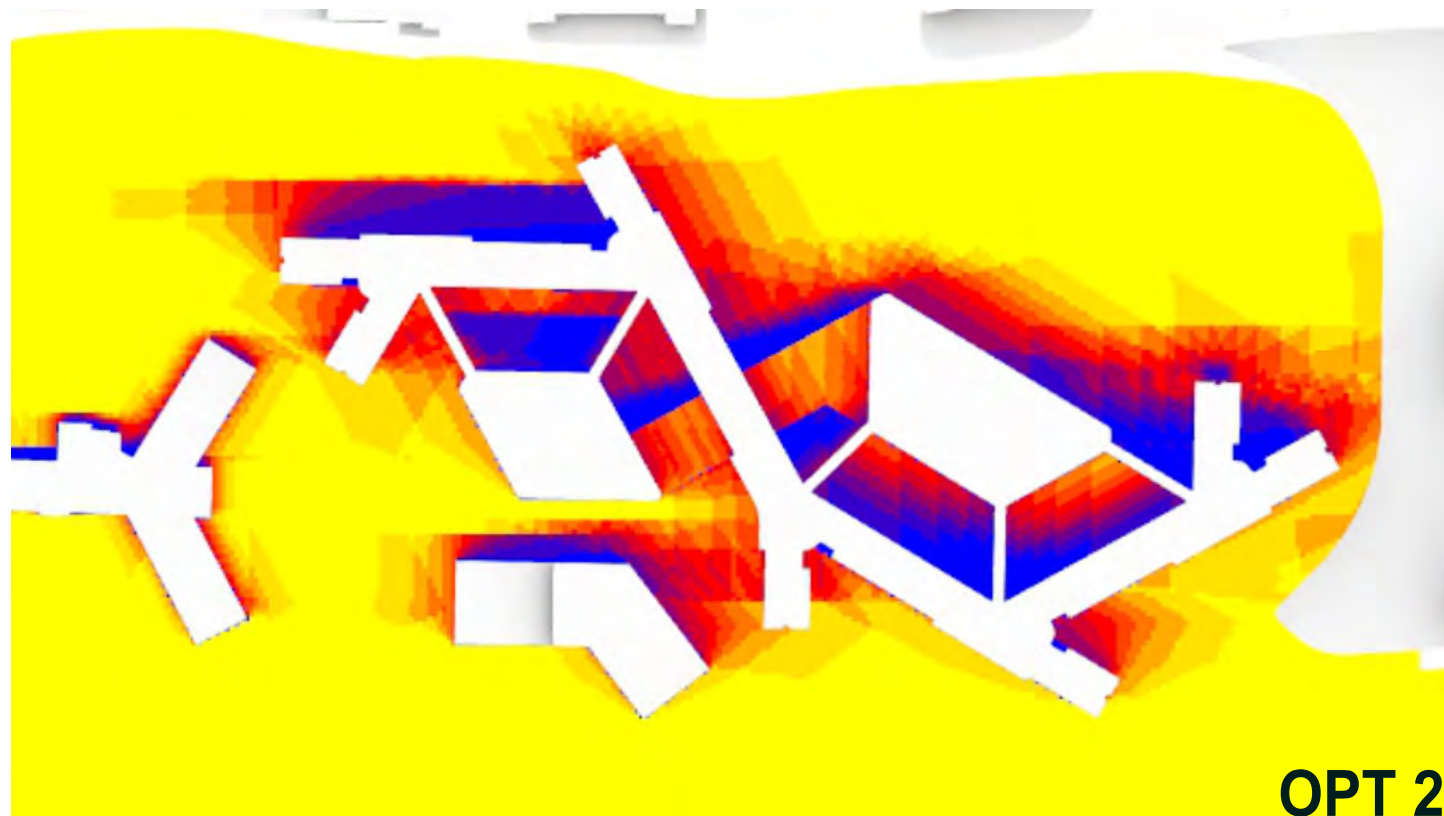
2000+ LUX



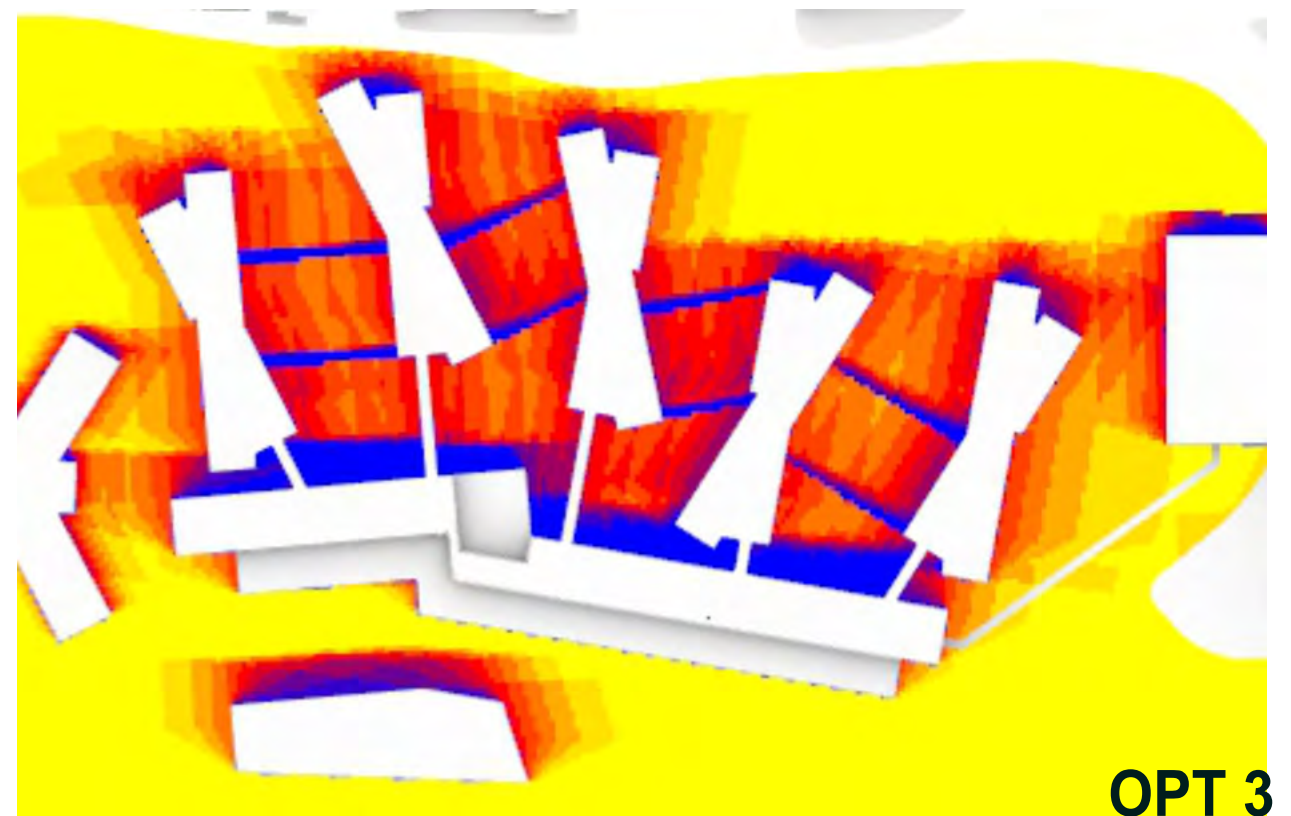
# DIRECT SOLAR HOURS SPRING & AUTUMN



**PREDESIGN**



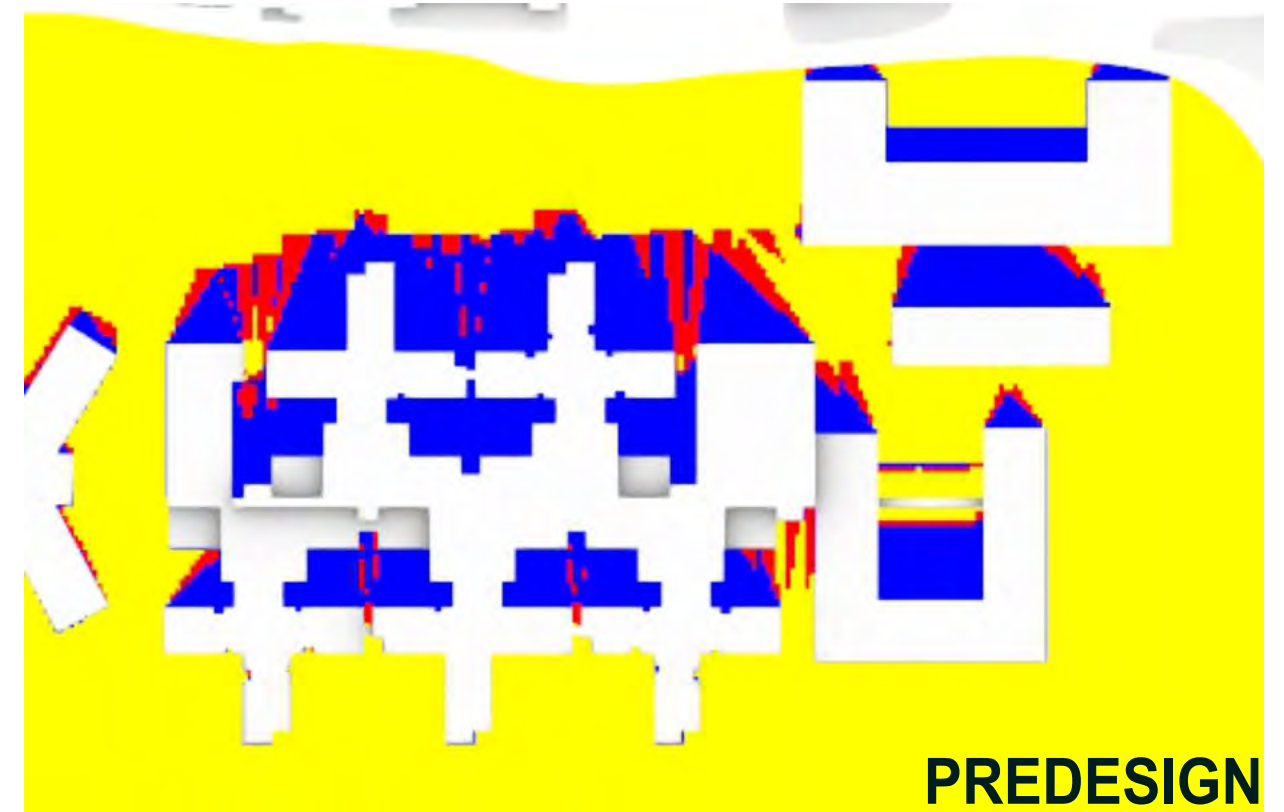
**OPT 2**



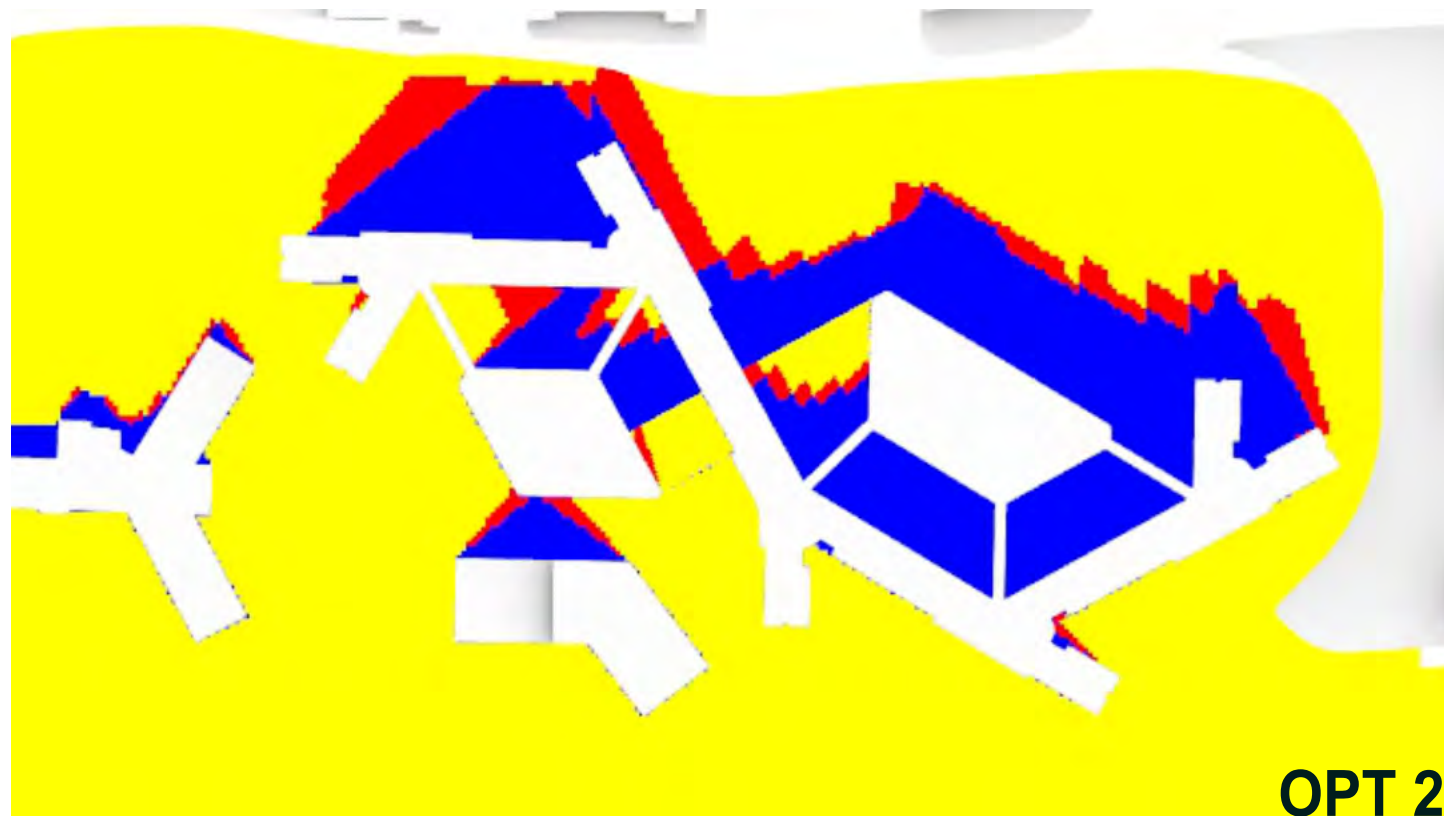
**OPT 3**



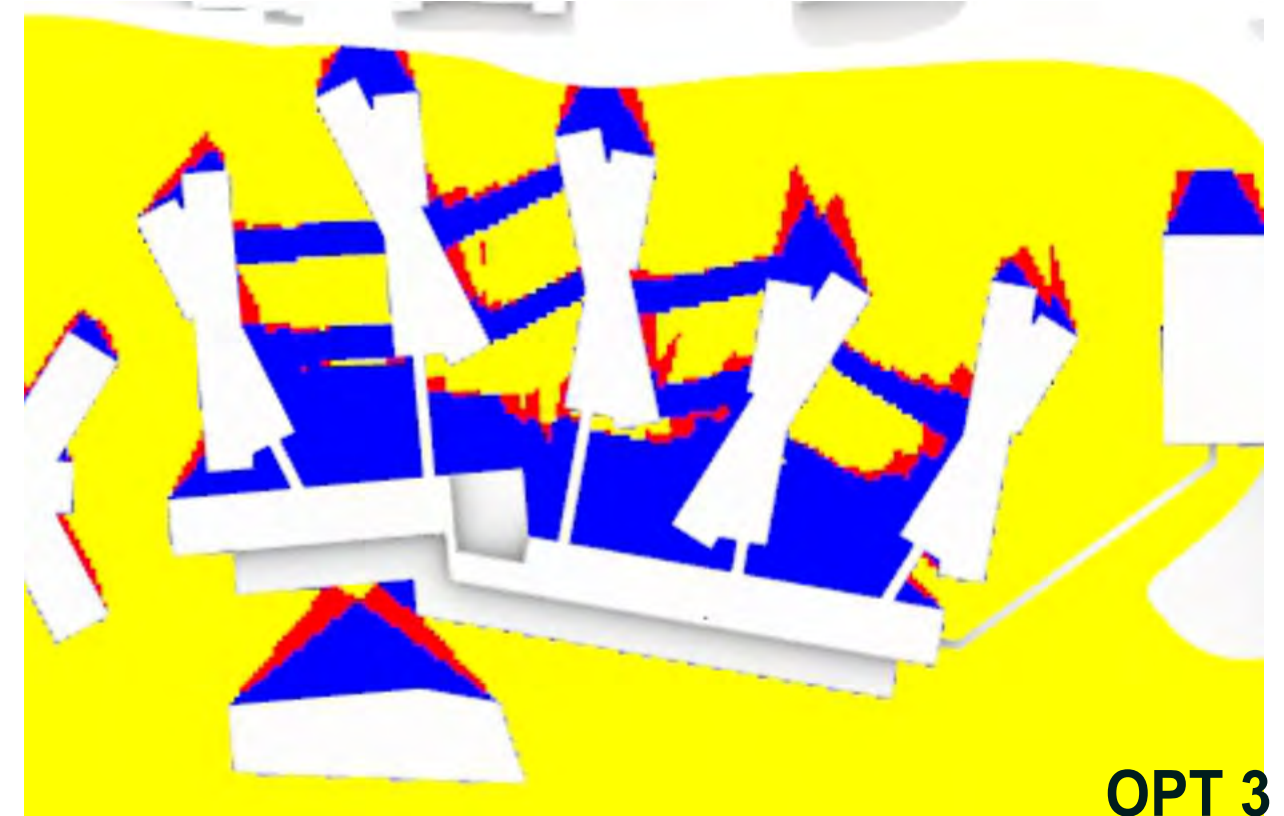
DIRECT SOLAR HOURS  
WINTER



PREDESIGN



OPT 2

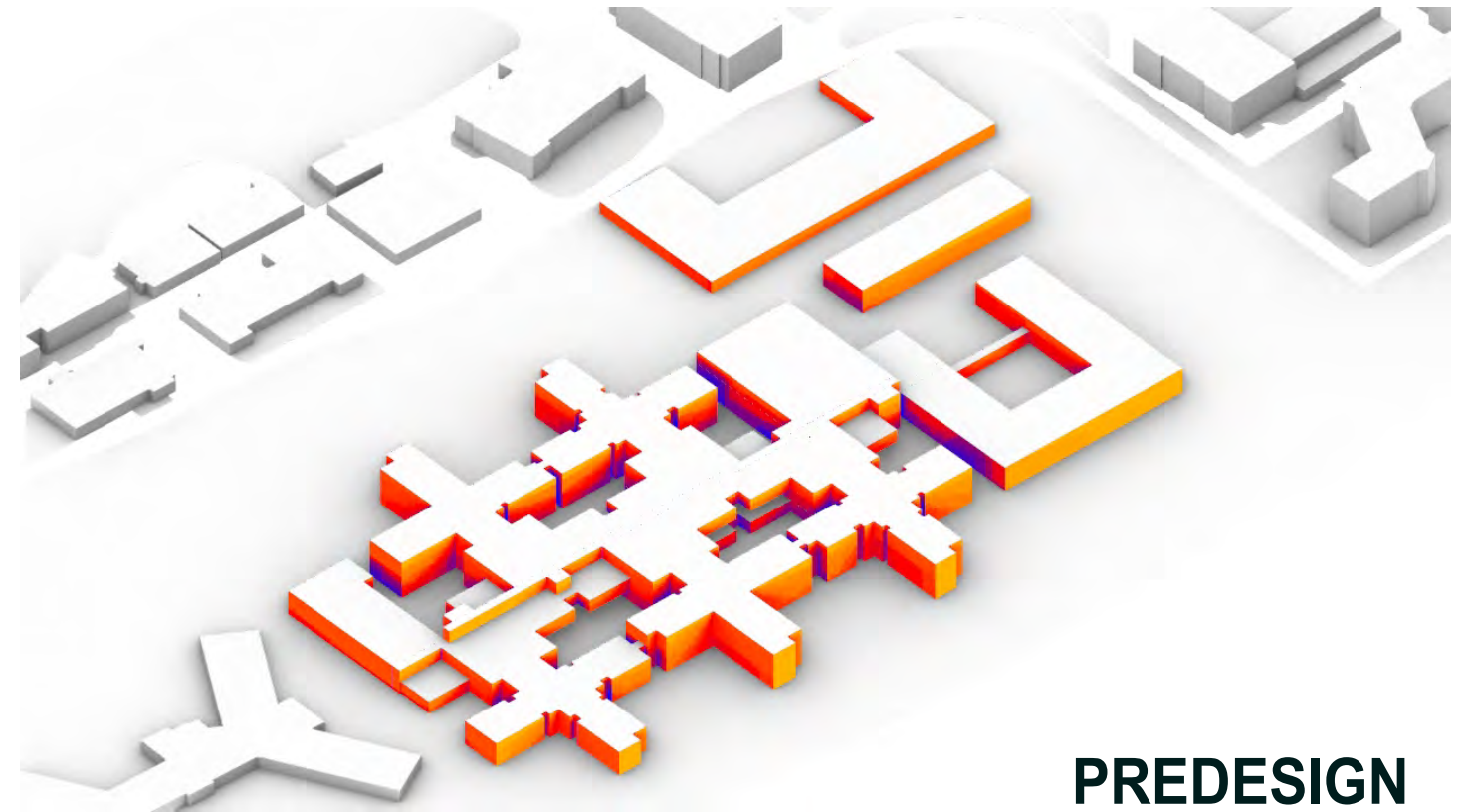


OPT 3

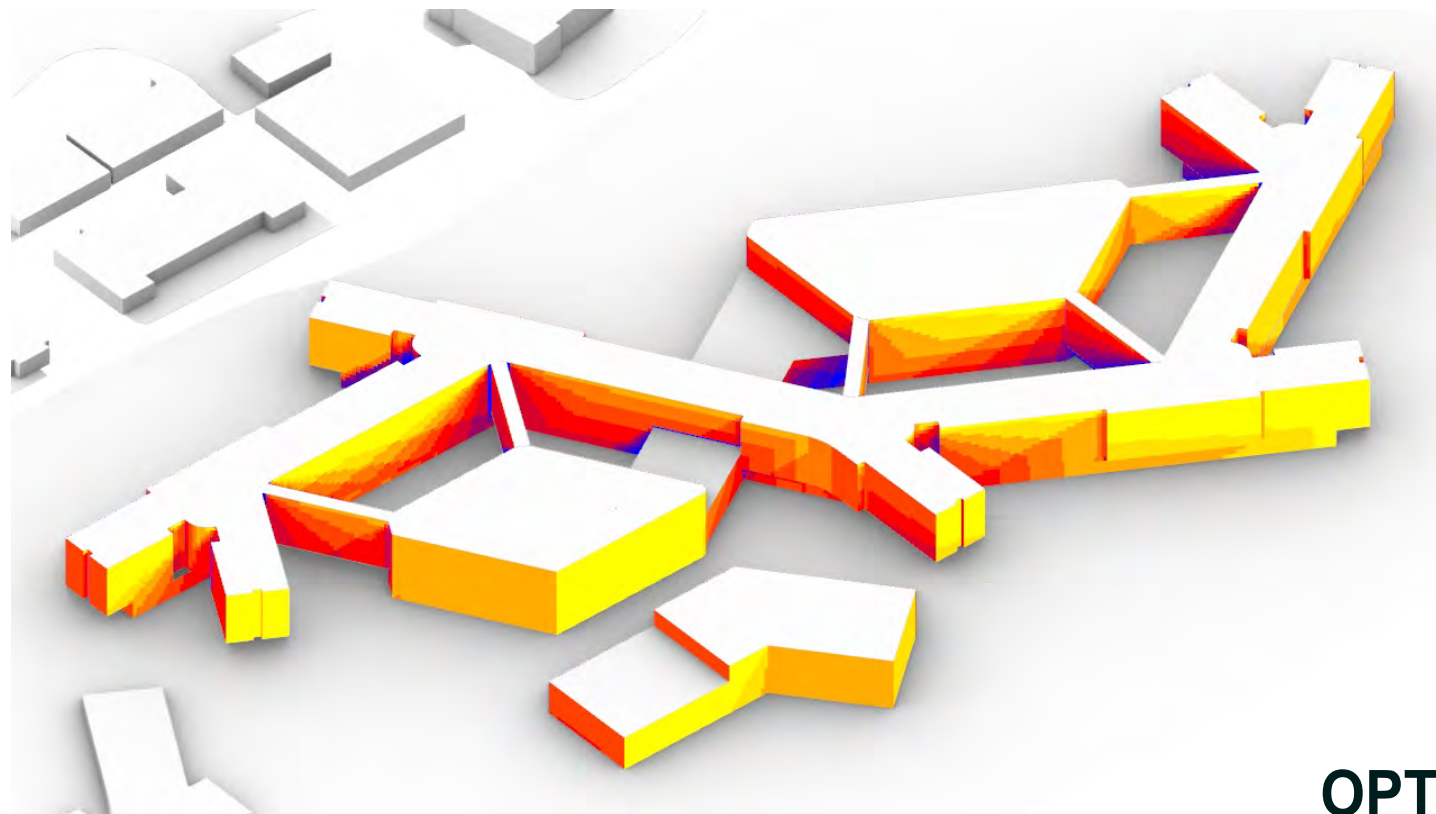




DIRECT SOLAR HOURS  
SPRING & AUTUMN - SOUTHWEST



PREDESIGN



OPT 2

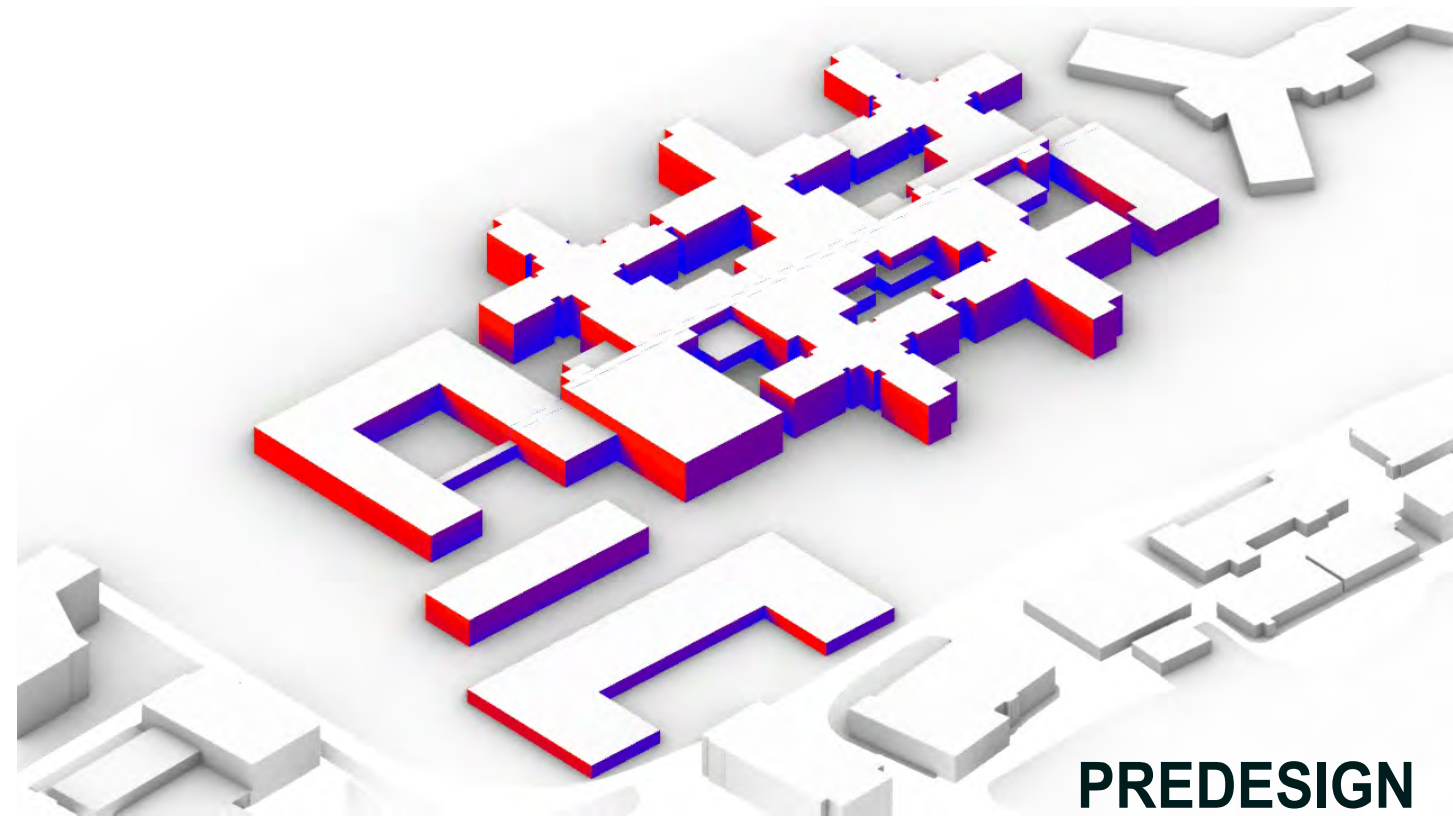


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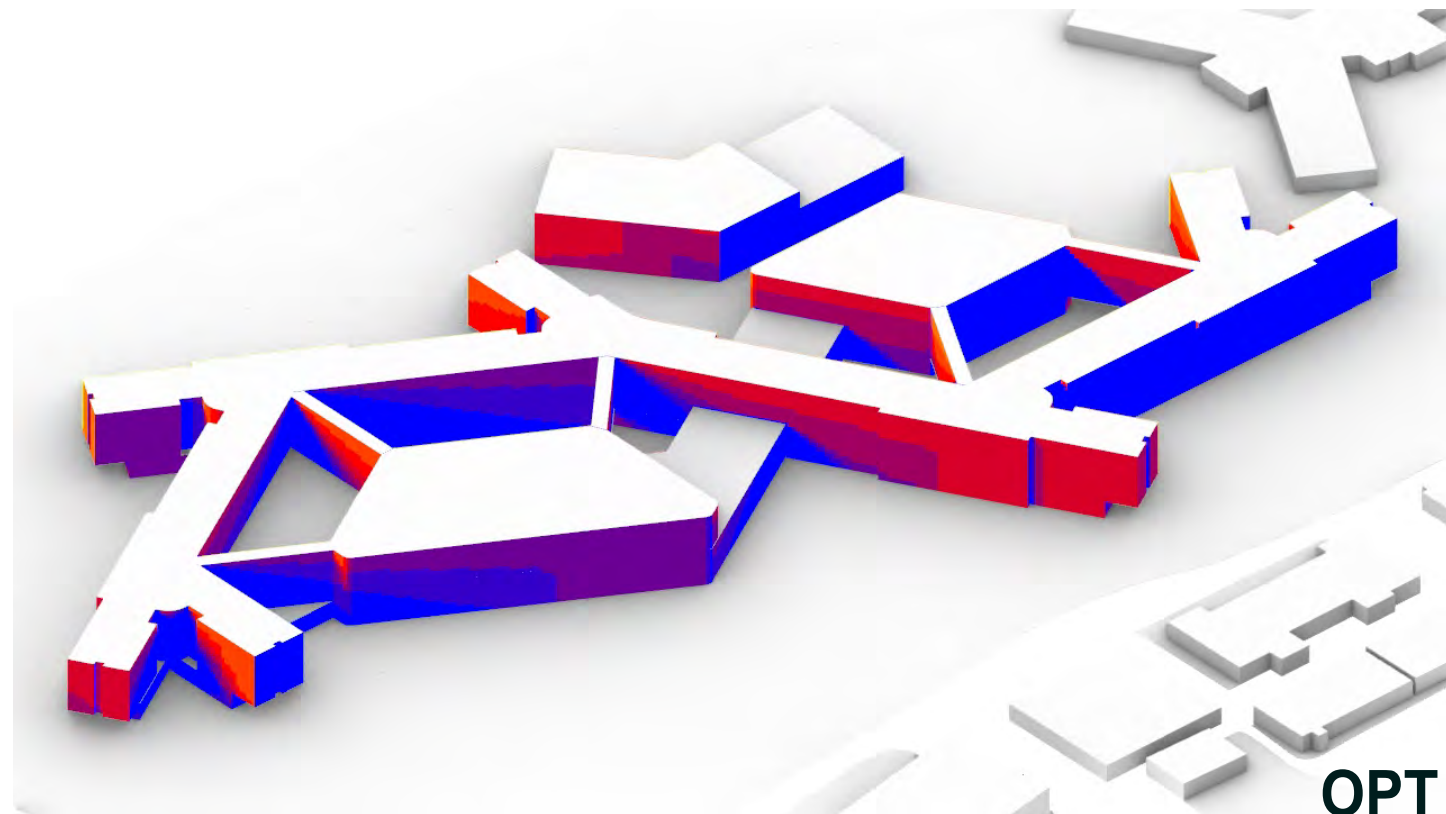




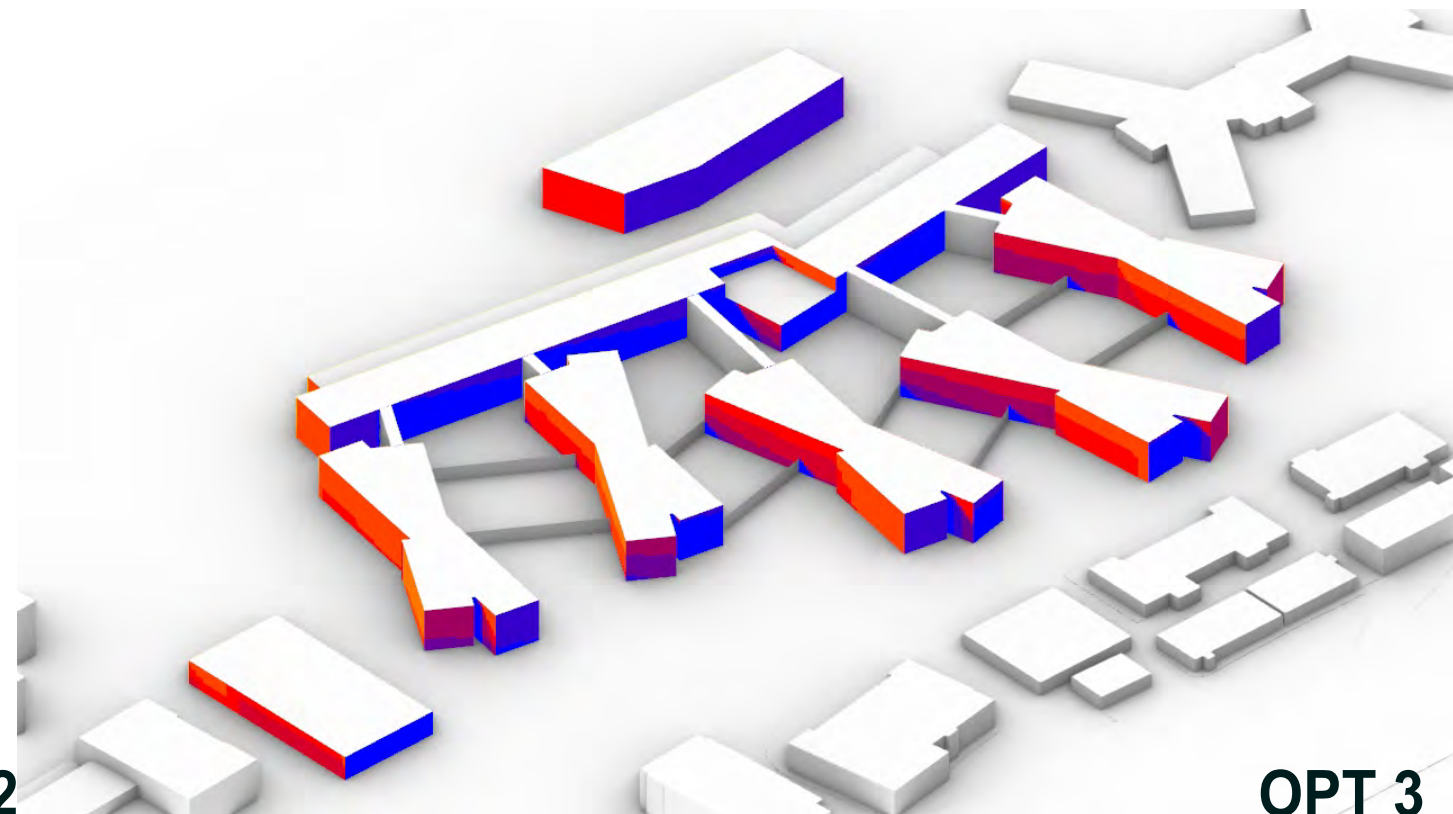
DIRECT SOLAR HOURS  
SPRING & AUTUMN - NORTHEAST



PREDESIGN



OPT 2

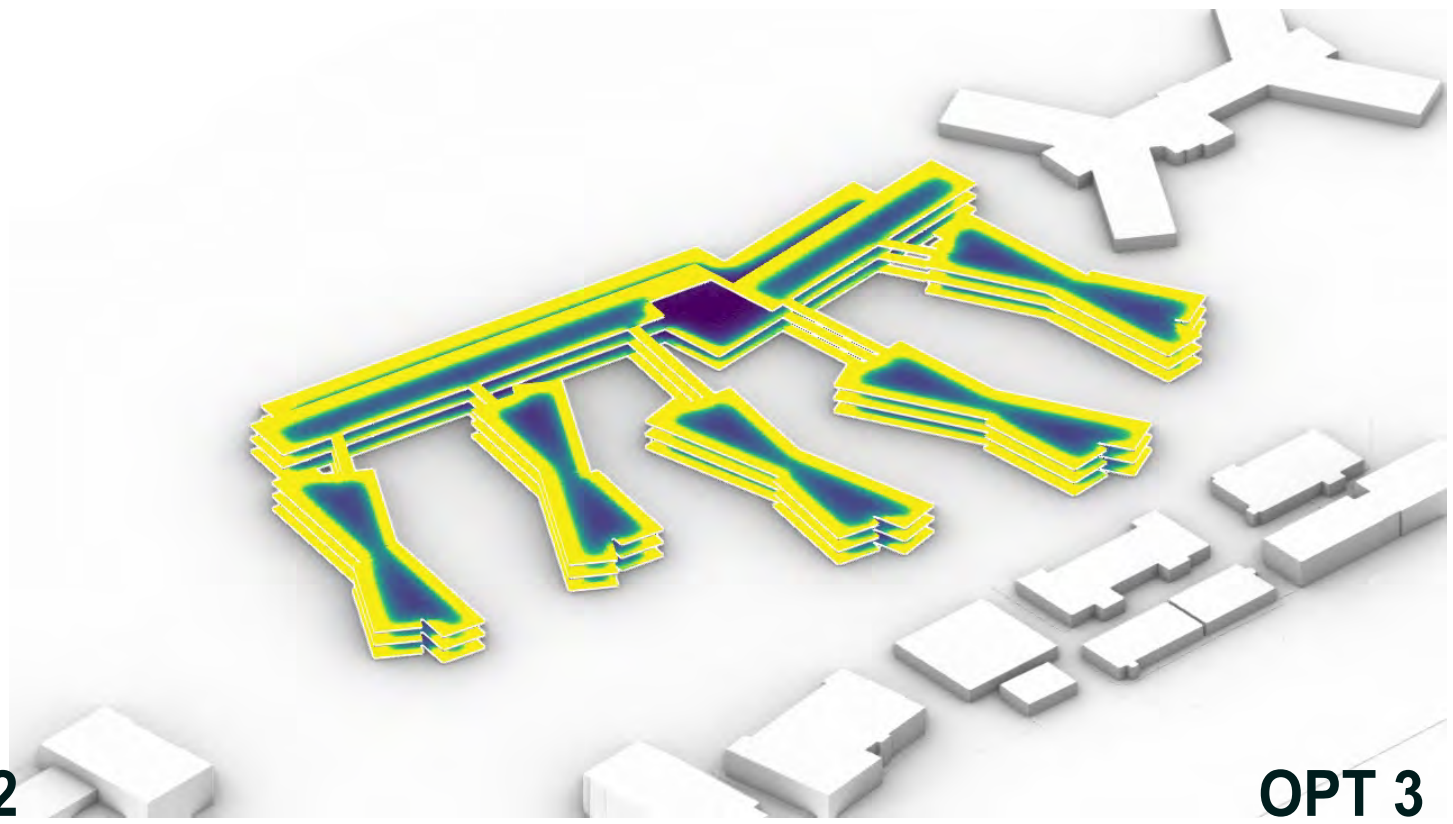
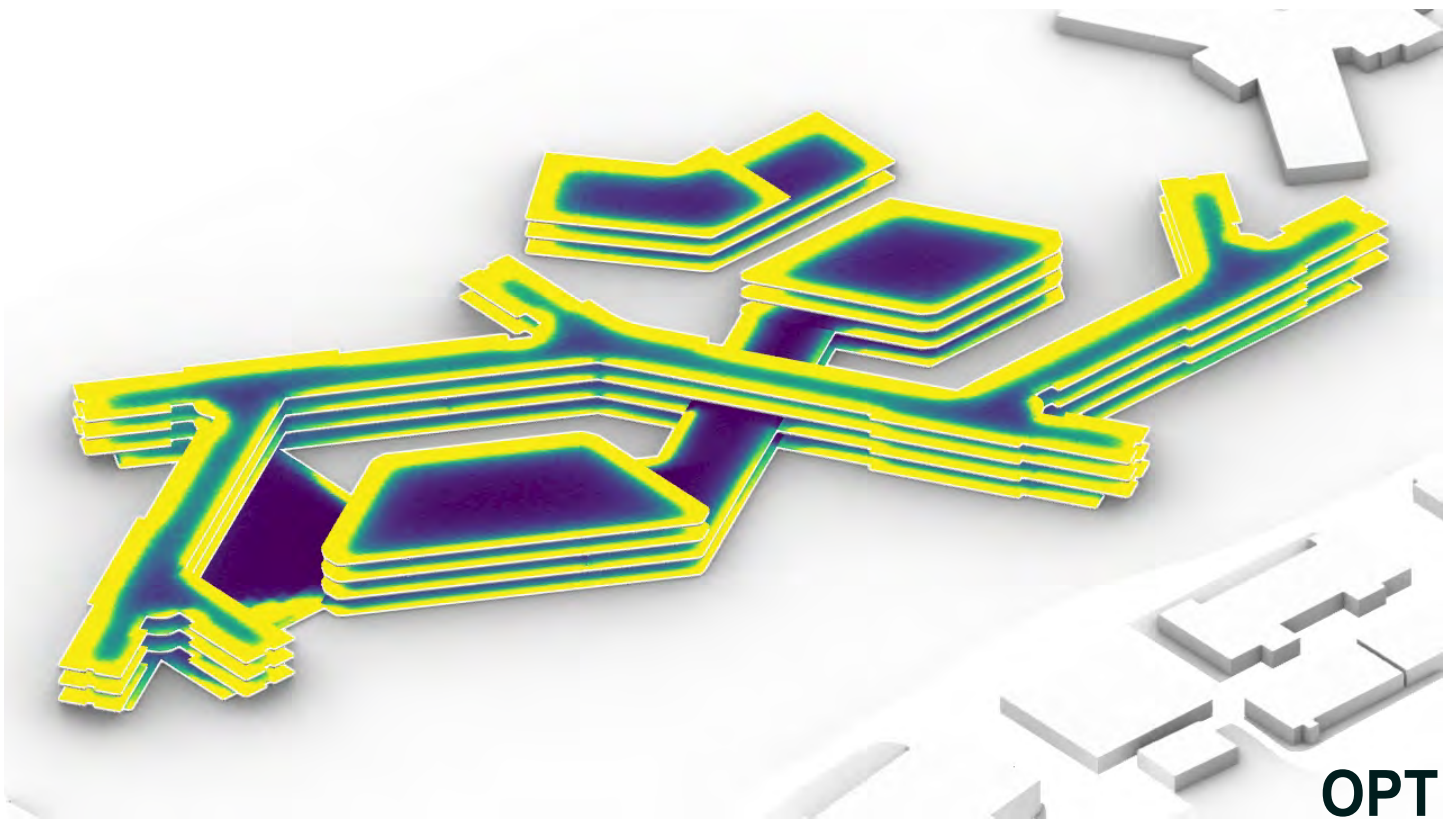
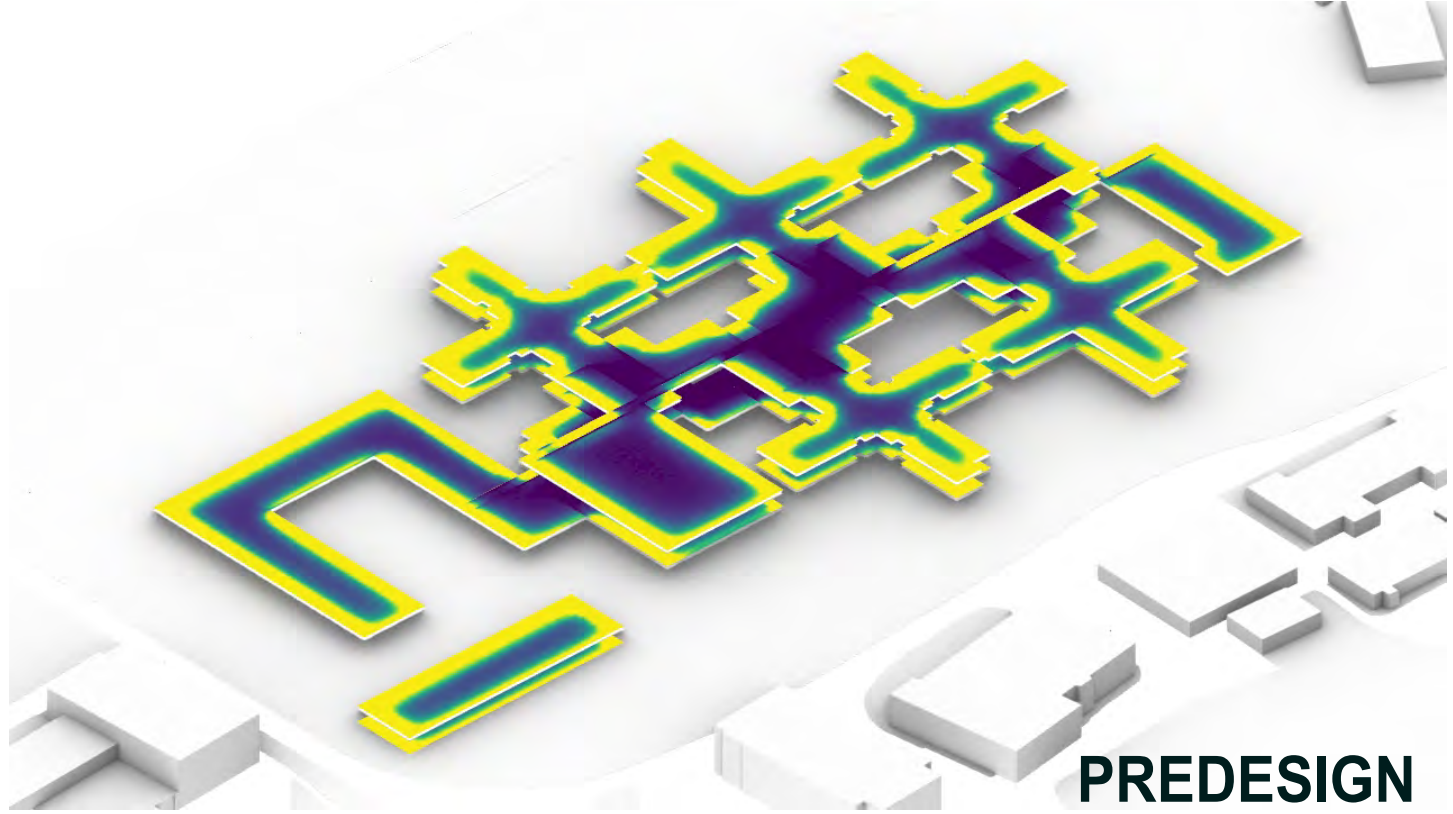


OPT 3

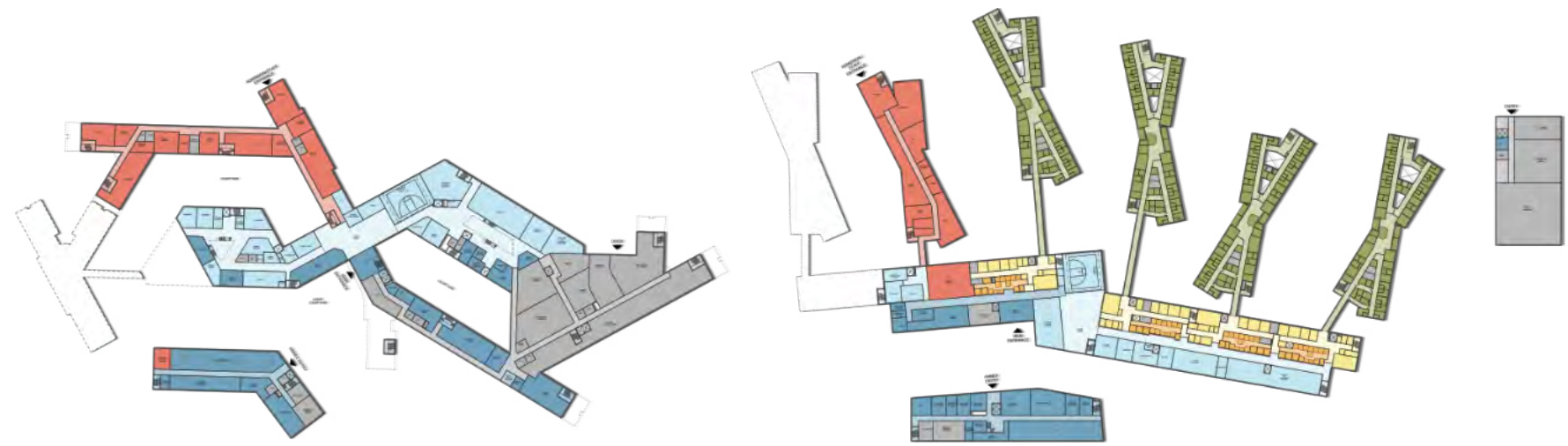




# INTERIOR DAYLIGHT AVAILABILITY



# EVALUATION



OPT 2

OPT 3

Daily Access to Nature / Biophilic Design	++	++
Daylight Access in Spaces	++	++
Courtyard Daylighting	++	+
Energy Efficiency	++	+
Site Footprint Efficiency	++	+
Future Expansion Flexibility	++	+
Neighborhood Flexibility	+	+
Compactness of Program	+	-
Bedroom Distance from Nurse Station	+	-
Neighborhood Access	++	+
IPU visibility from Nurse Station	++	+
Visibility to Downtown	++	+
Staff Break Room Proximity to IPUs	+	+
Staff / Admitting Entry Proximity to Bldg 3 Maintenance	++	++
Service Corridor Length / Distance from Loading Dock	++	+
Cost Impact	+	+



IPU TYPOLOGY  
NEIGHBORHOOD

