

# Bothell STEM 4 —

University of Washington  
Architectural Commission

October 26, 2020



# Agenda—

- PROJECT UPDATE
- WHAT WE HEARD
- KNITTING IN
  - SITE
  - PROGRAM
  - DESIGN VERNACULAR
  - COMPOSITE

# PROJECT UPDATE

- Target program has been established: 77,500 GSF, 48,000 NSF
- Completed Project Definition Phase, in early design phase
  - o Just completed Site Planning Review package
  - o Ongoing meetings with users to refine interior program requirements
  - o Early infrastructure and technical coordination

# UWAC 2: WHAT WE HEARD

- Clear approach to building orientation and accessibility
- Majority preferred the Y-Scheme: opportunity to create a strong entry experience and engage the campus
- Liked mixing UWB and CC on each floor
- Stair on the west works well
- Retain the mix of quiet and active hang-out spaces



# OWNER AND DESIGN-BUILD TEAM COLLABORATION

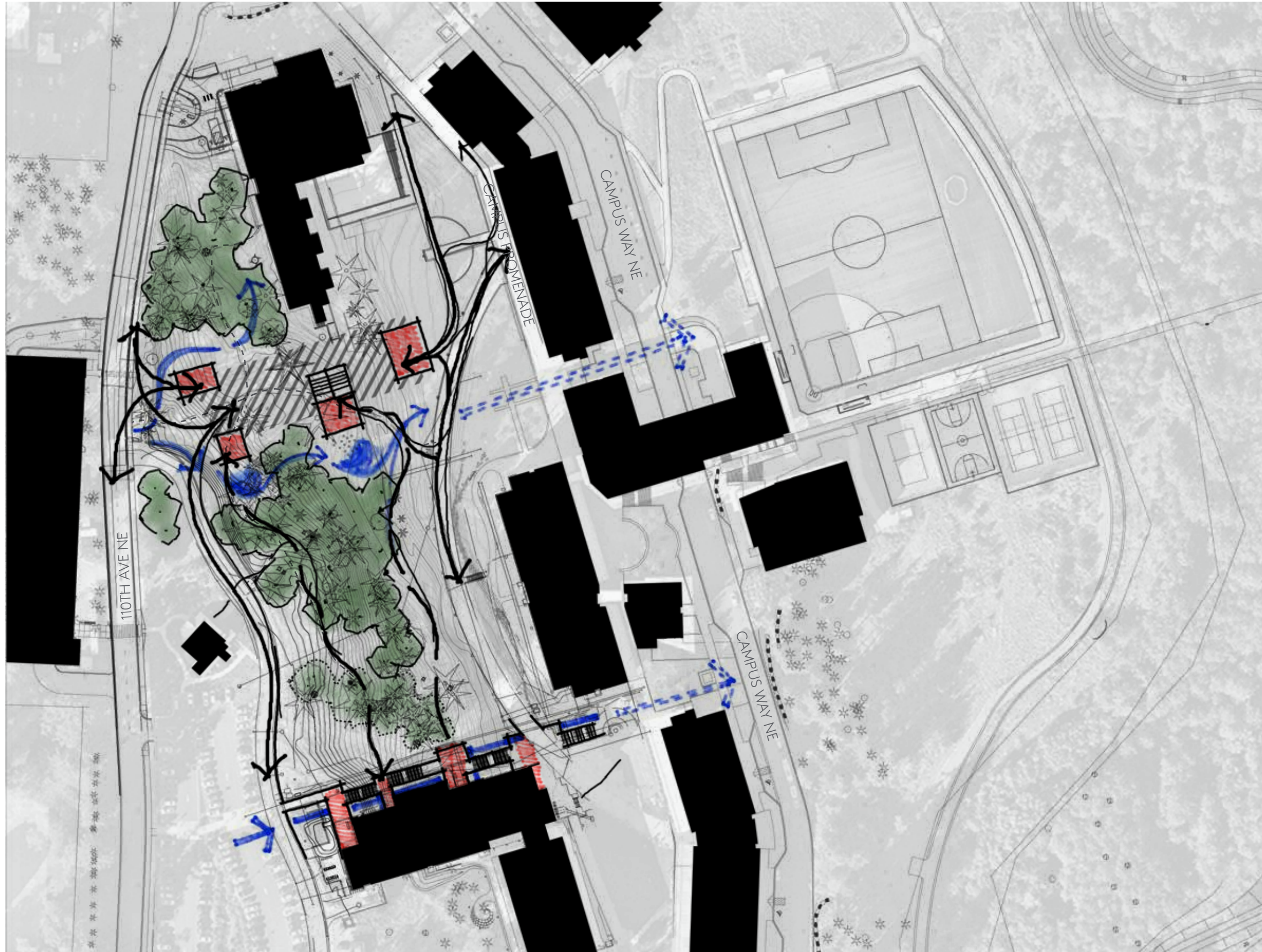
- Design has been informed by input from Coordination Task Force and Working Groups representing College and University
  - o Leadership-level Coordination Task Force meets regularly with design-build team to exchange ideas and guide the design.
  - o Working Groups (Campus Fit, Interior Program, and MEP/Utilities) have provided input on site design, academic spaces, and technical performance.
  - o Following initial student engagement, the team is launching a student survey that will be followed by meetings with student groups.



# KNITTING IN— Site

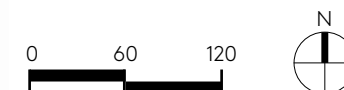
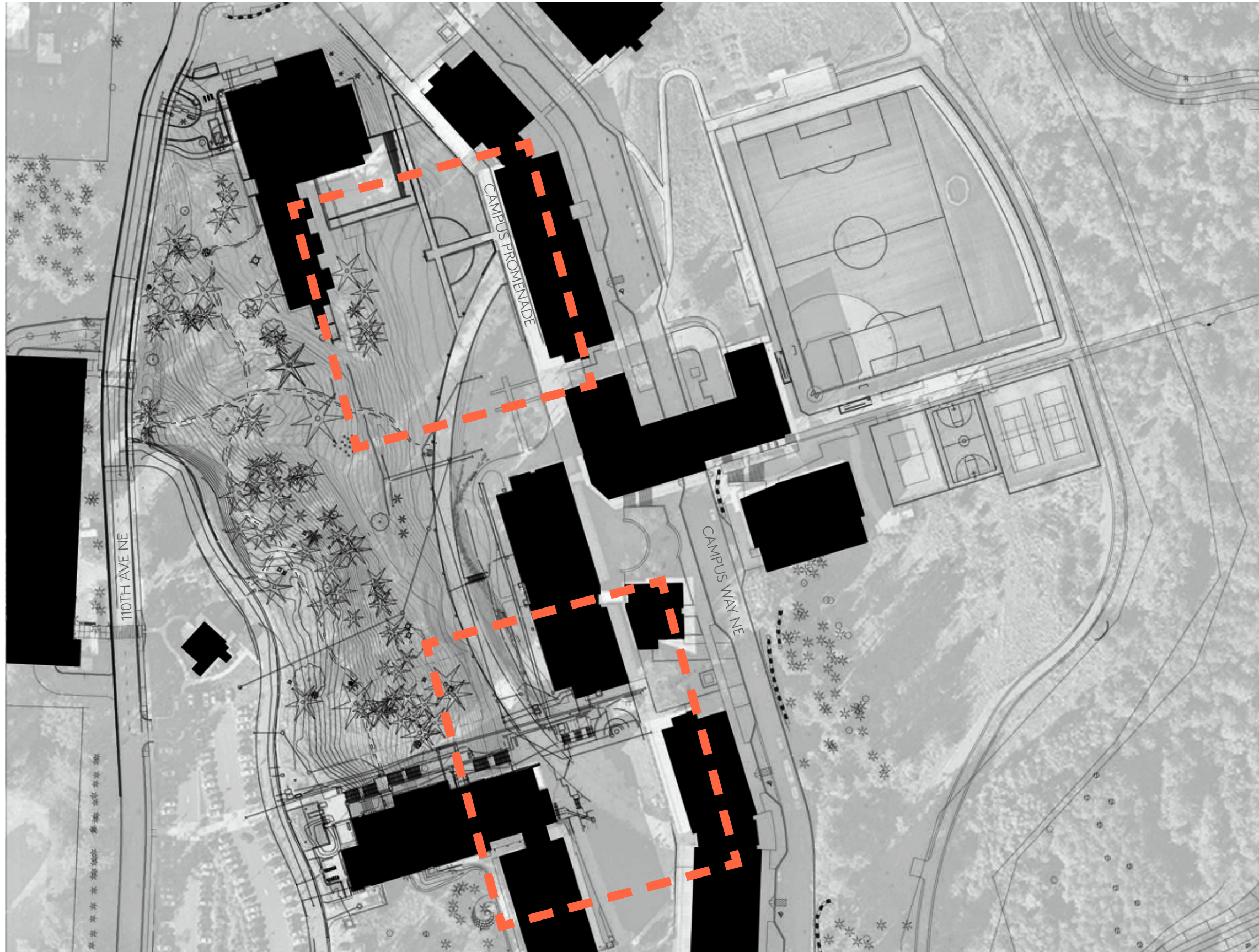


# KNITTING IN



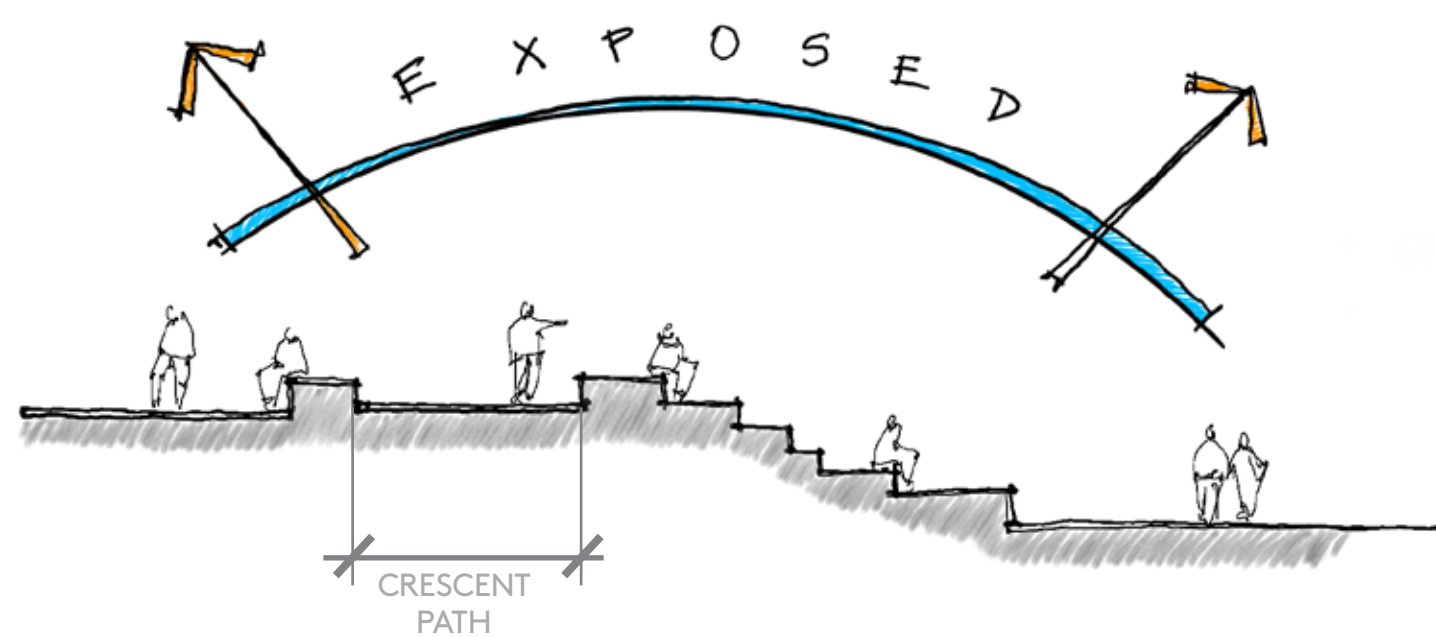


# CAMPUS OPEN SPACE - OBSERVATIONS





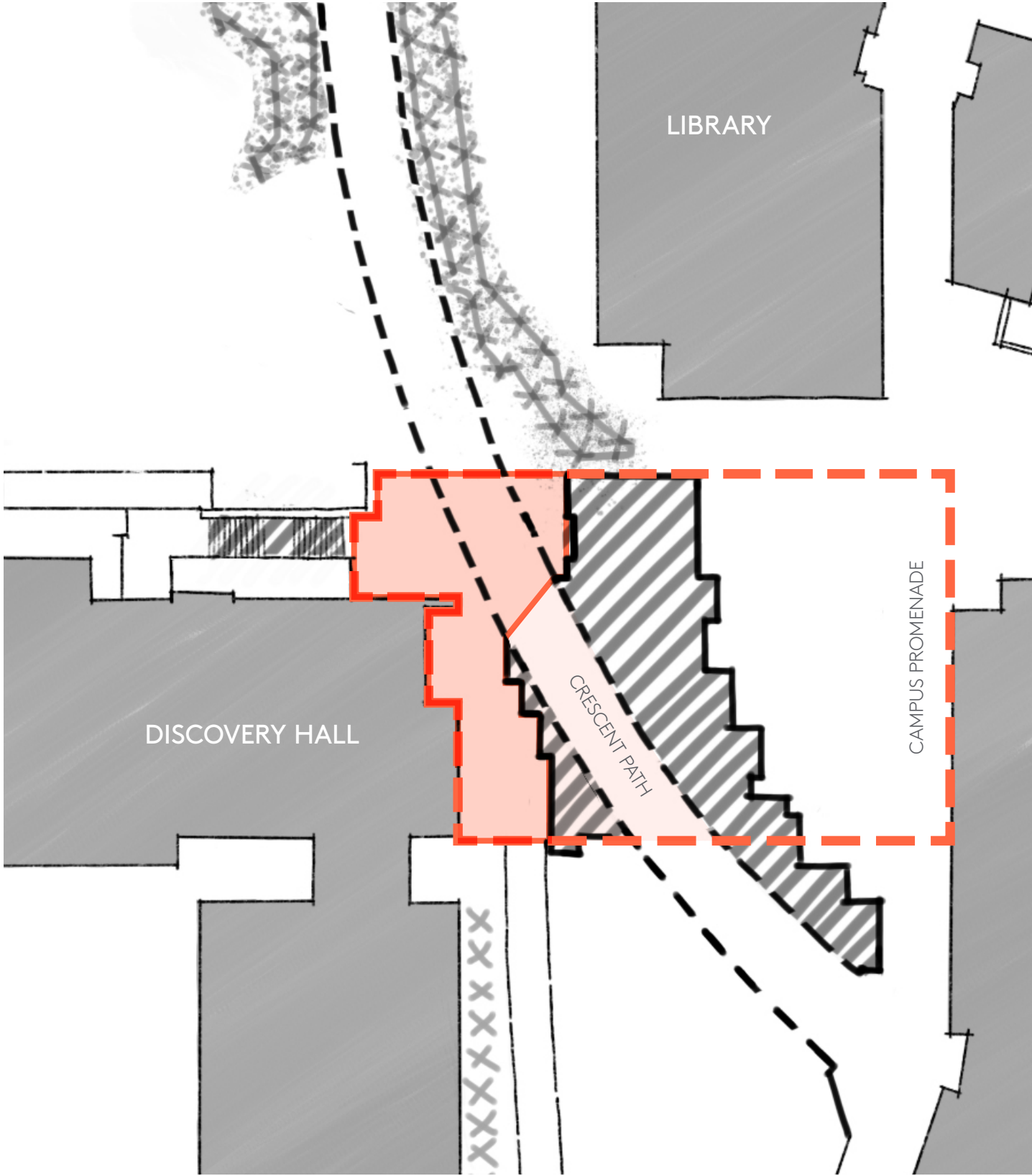
# CRESCENT PATH OPEN SPACE - OBSERVATIONS





# CAMPUS OPEN SPACE - COMPARISON

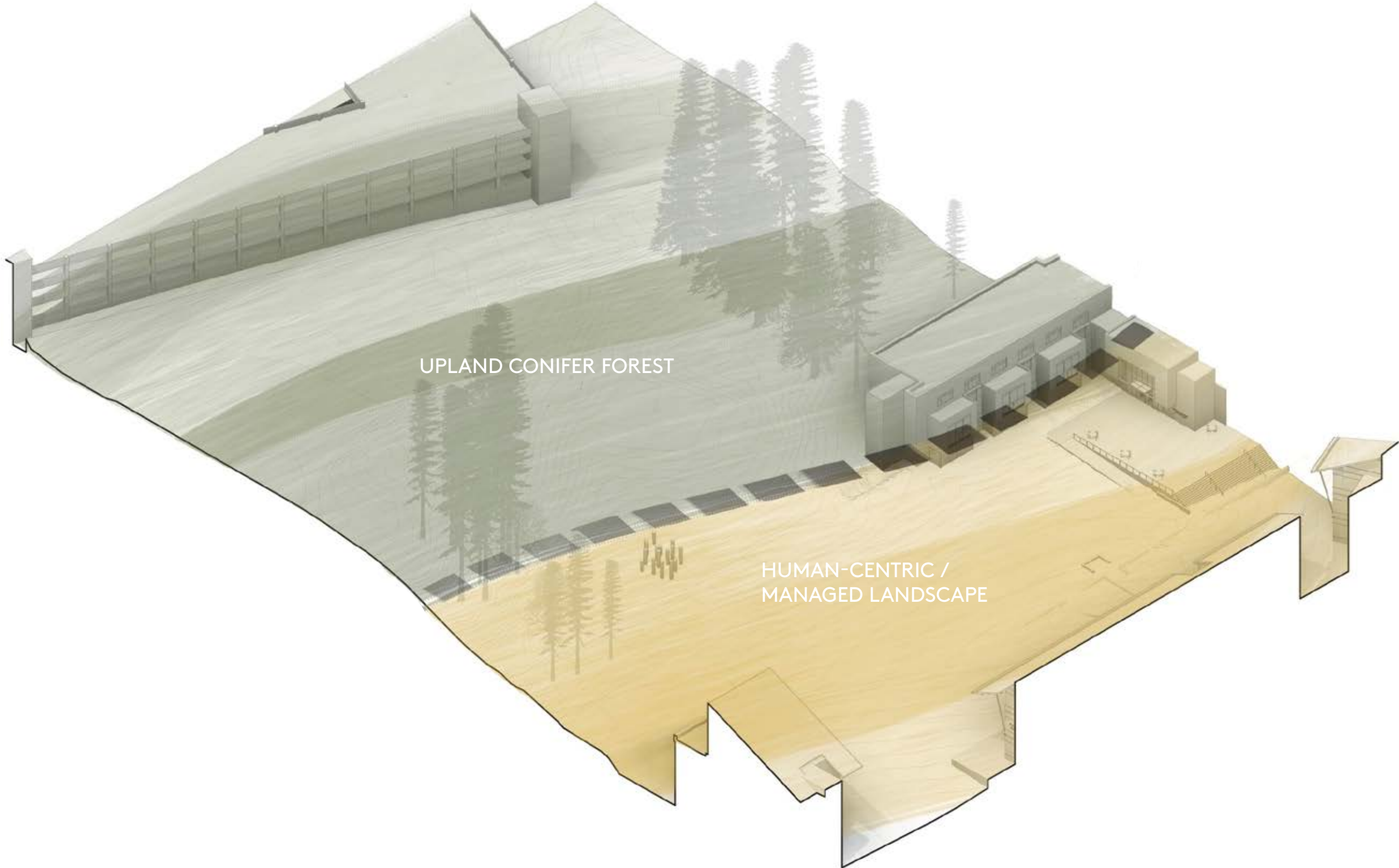
DISCOVERY HALL



STEM 4 - SPR PLAN

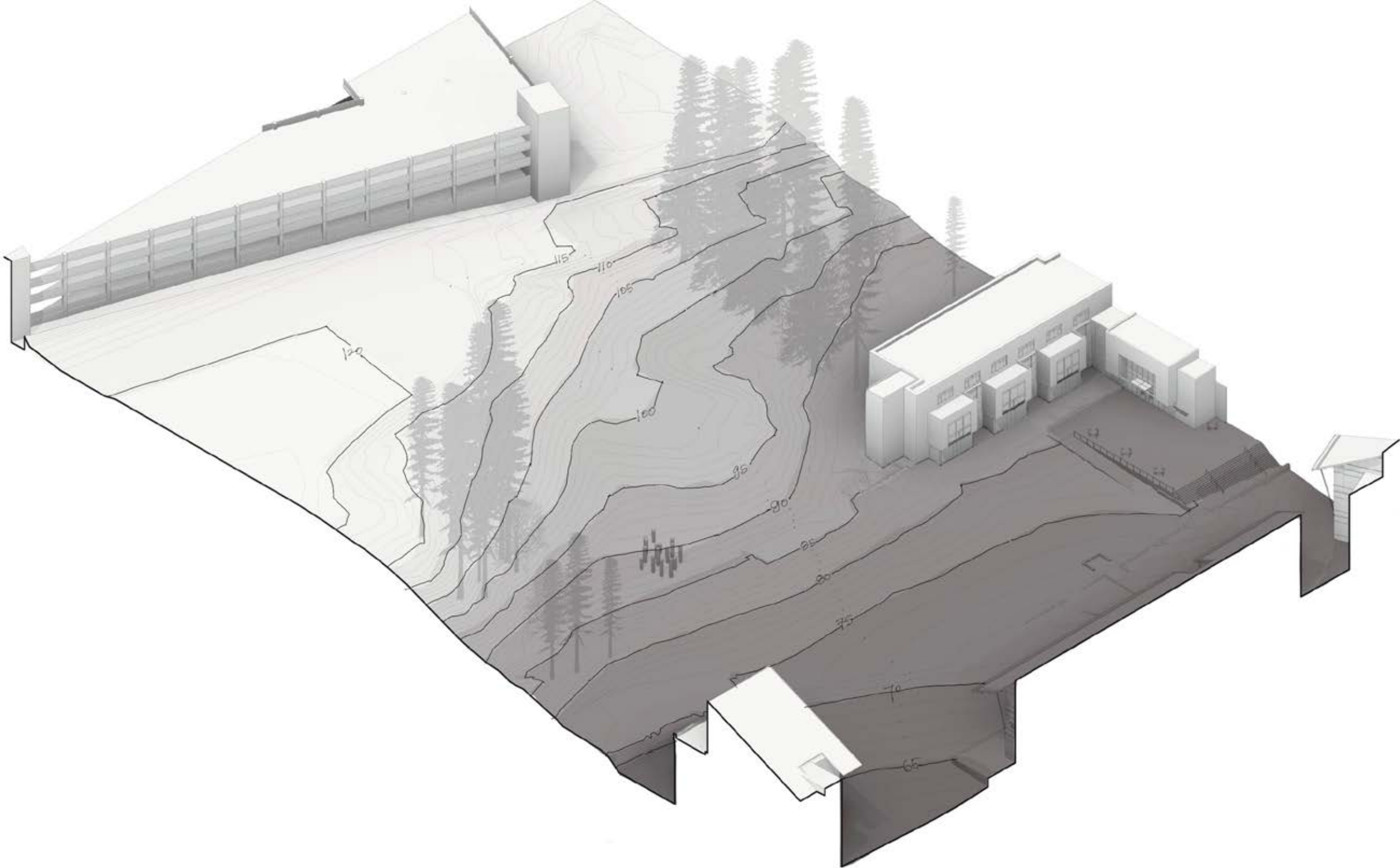


# CAMPUS LANDSCAPE TYPOLOGY

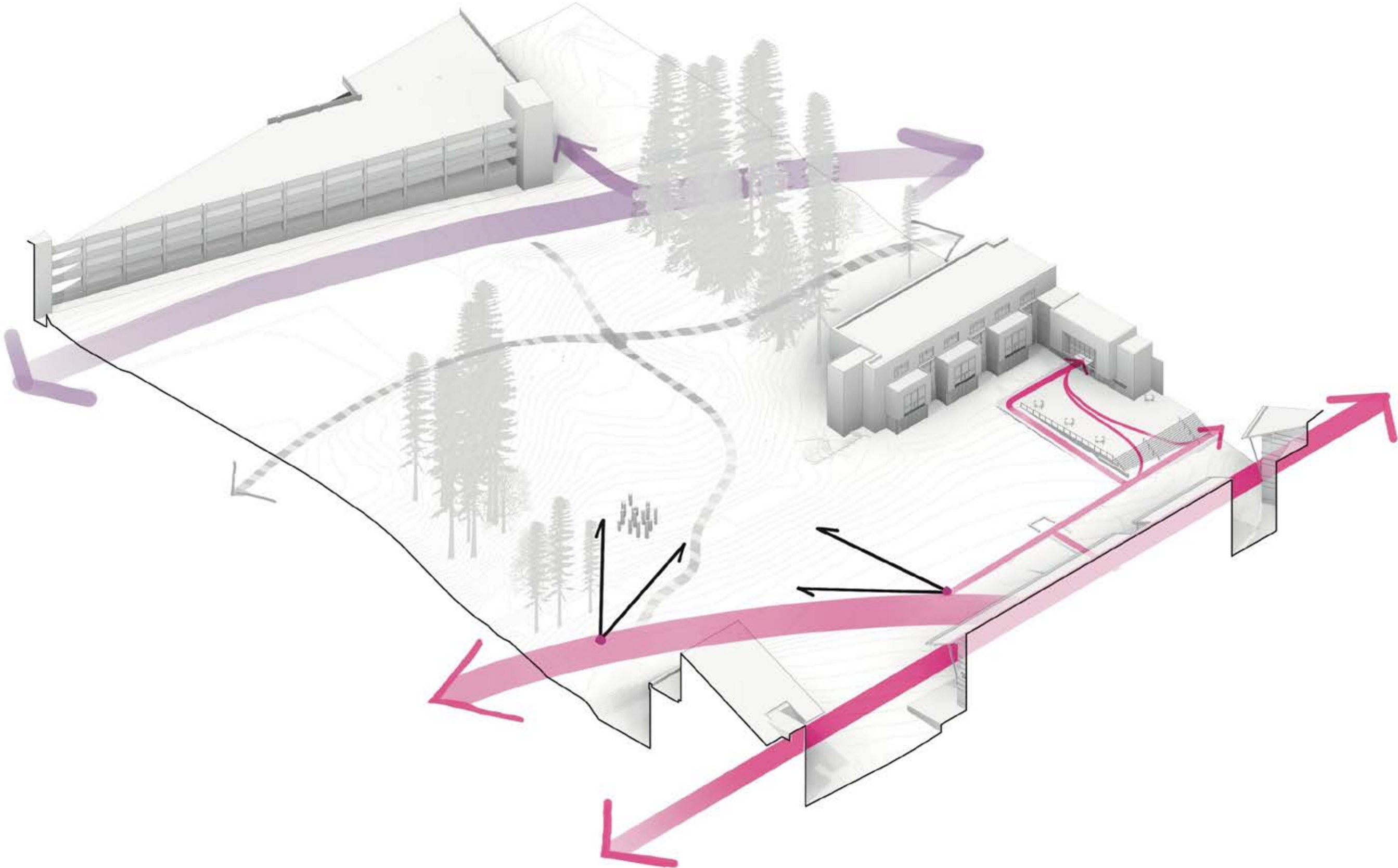




# TOPOGRAPHY



# CIRCULATION



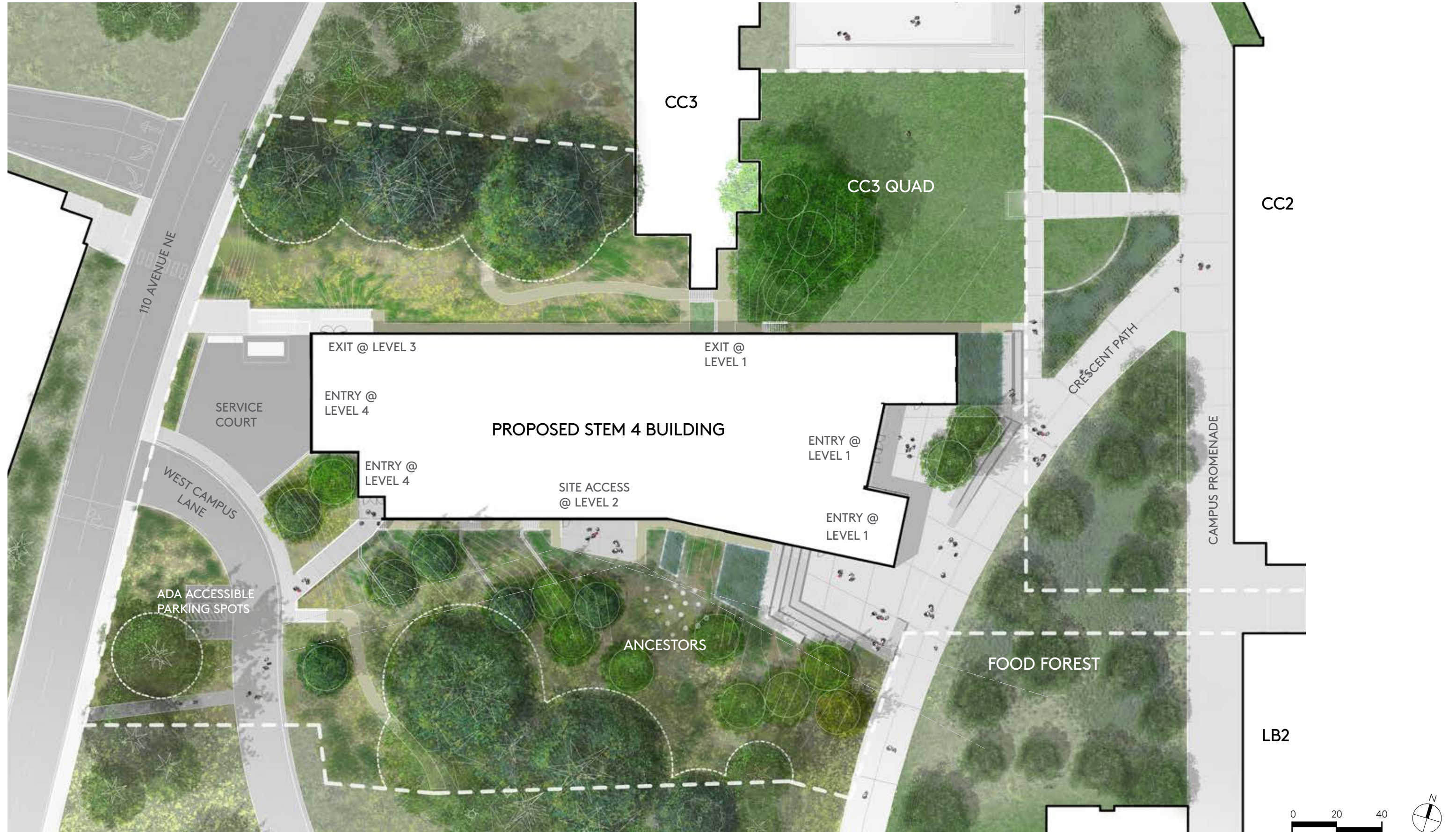


# VICINITY PLAN





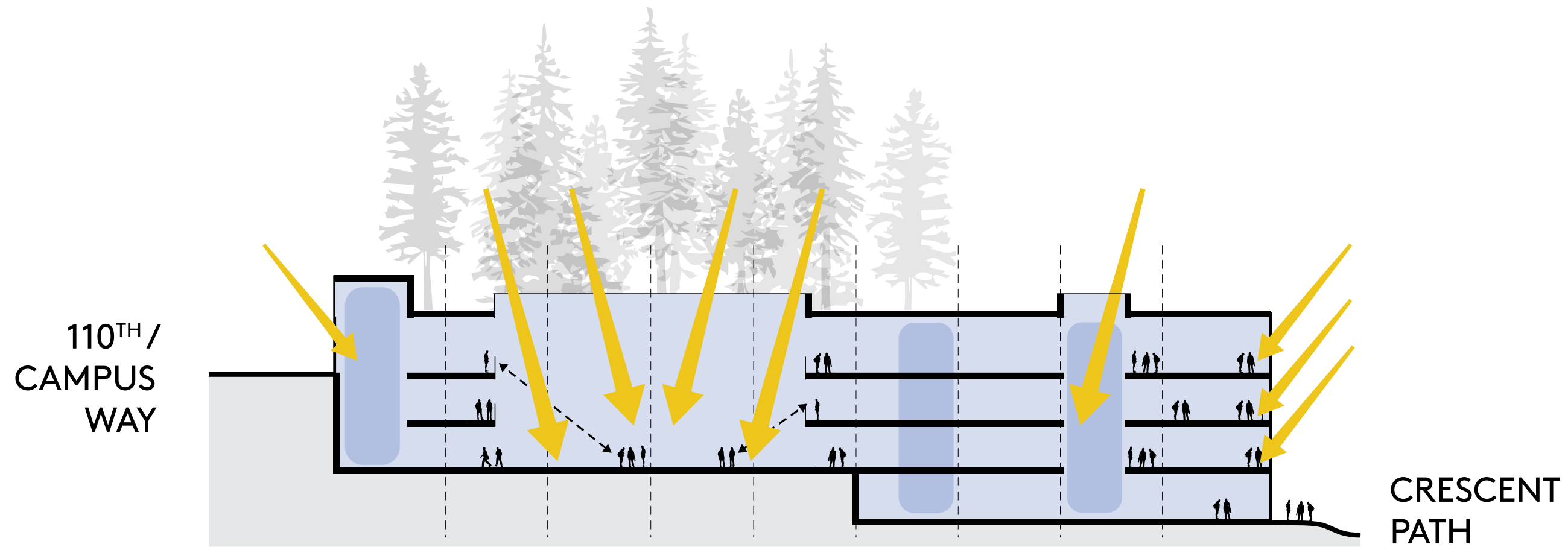
# SITE PLAN





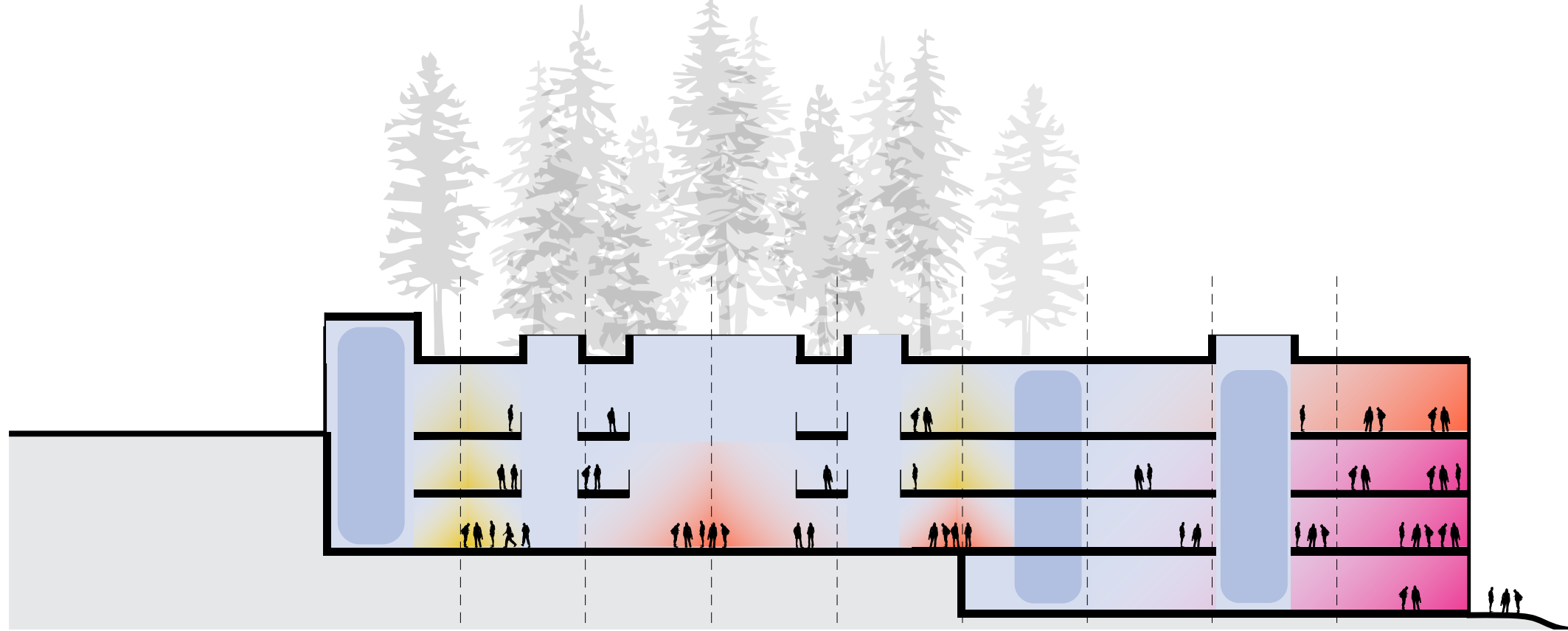
# KNITTING IN— Program

# BRINGING DAYLIGHT INTO PUBLIC SPACES

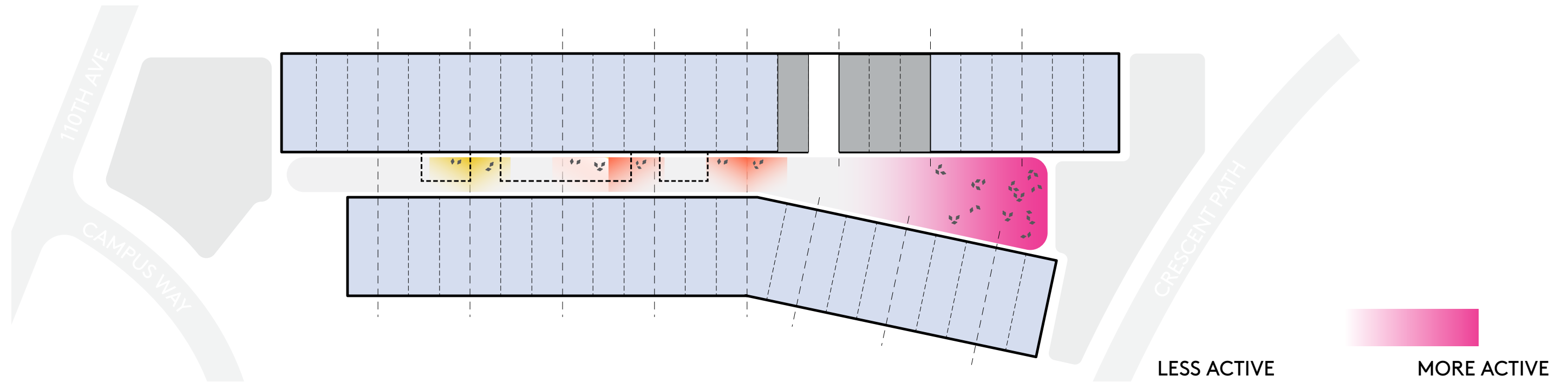




# ZONING FOR INFORMAL STUDENT SPACE



SECTION DIAGRAM



PLAN DIAGRAM

# LEVEL 1





# LEVEL 2



# LEVEL 3





# LEVEL 4



# EAST STAIR





# WEST STAIR



**KNITTING IN—  
Design Vernacular**



# CAMPUS CONTEXT: ORIGINAL BUILDINGS



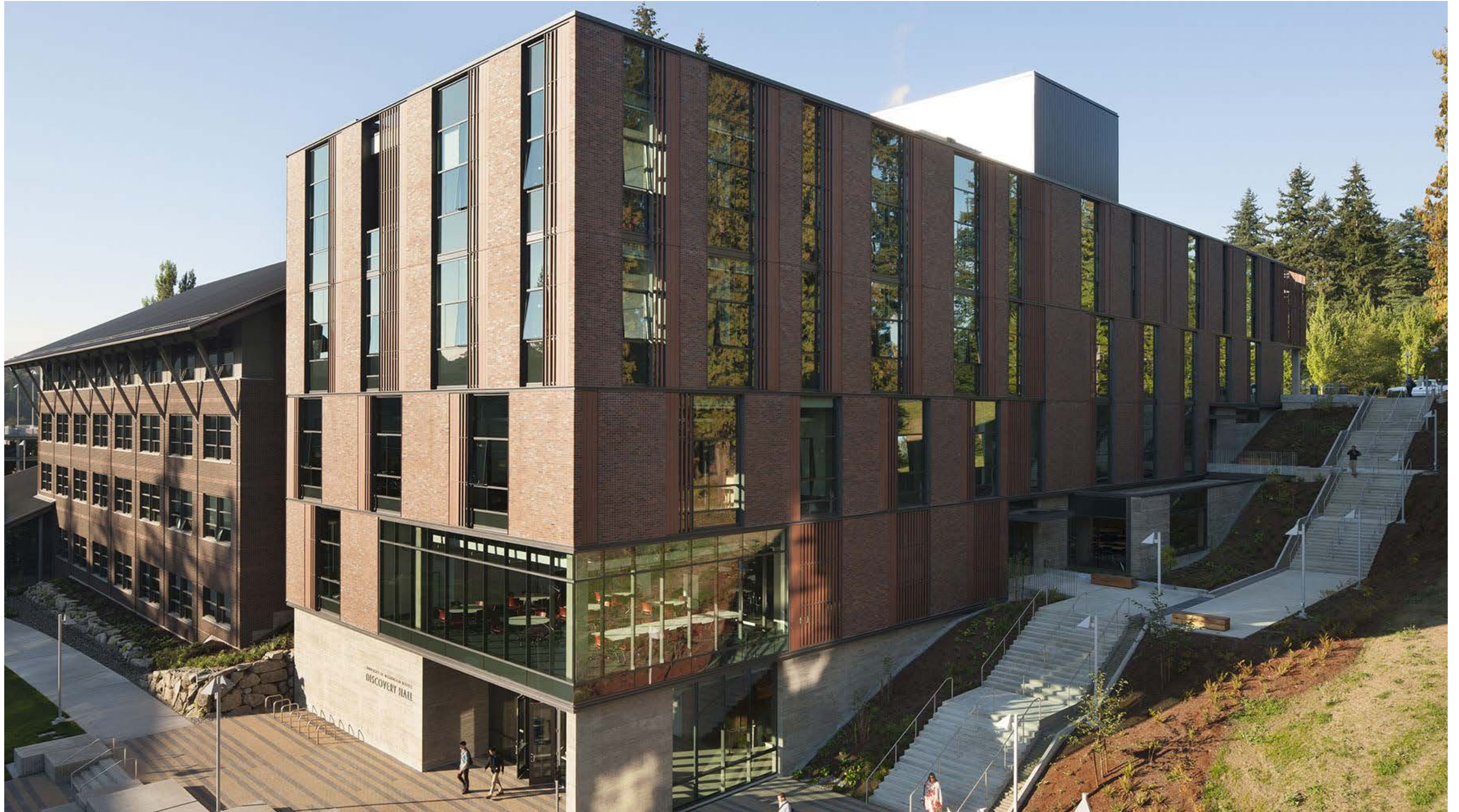


# CAMPUS CONTEXT: CC3





# CAMPUS CONTEXT: DISCOVERY HALL





# MAIER HALL, PENINSULA COLLEGE





# COLLEGE INSTRUCTION CENTER, OLYMPIC COLLEGE



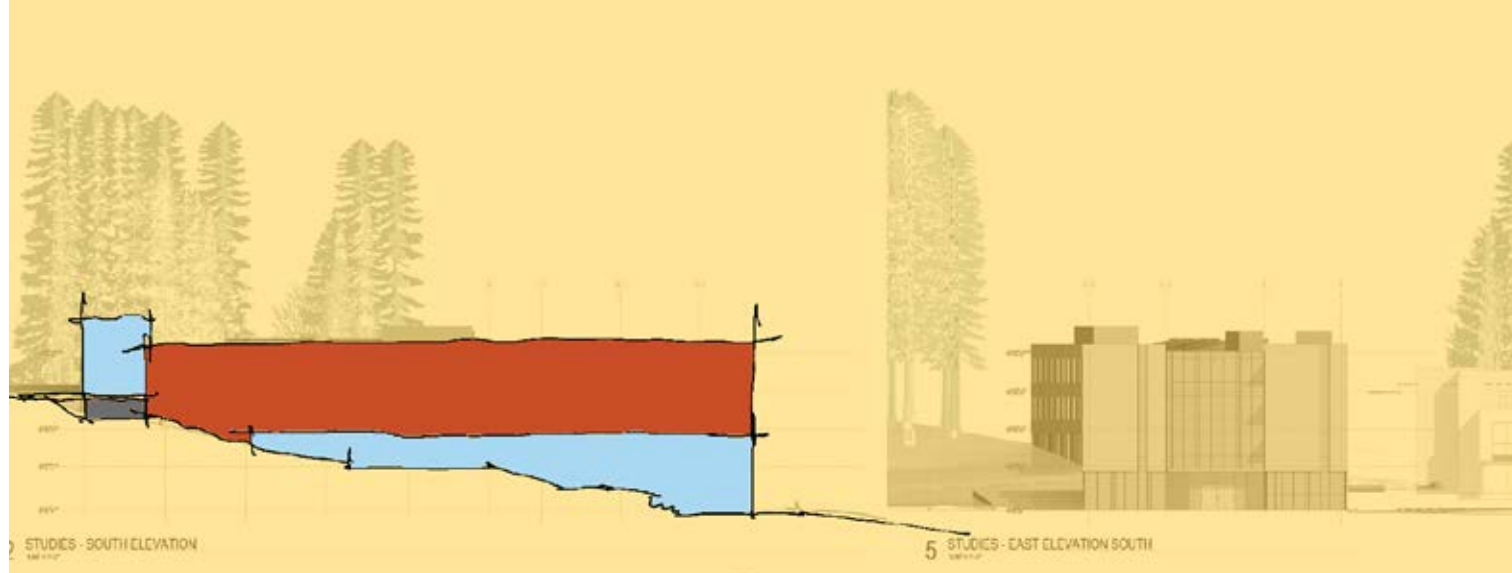
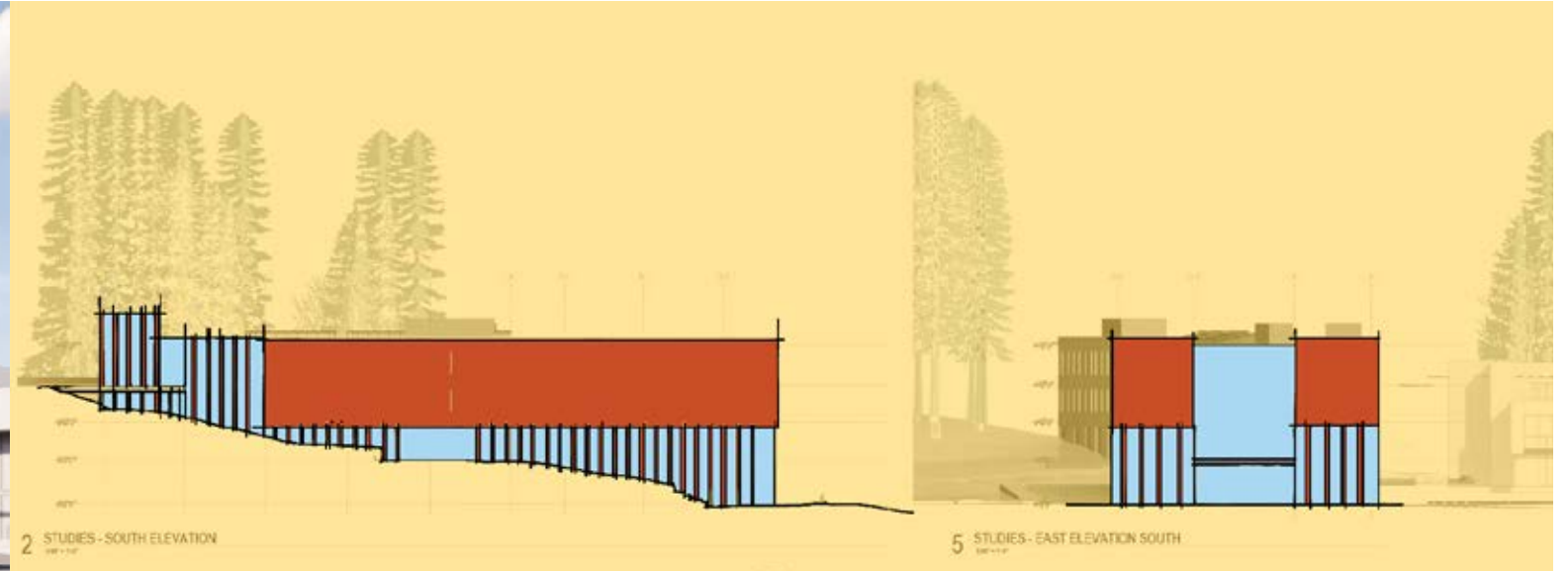


# HSAMCC, SHORELINE COMMUNITY COLLEGE

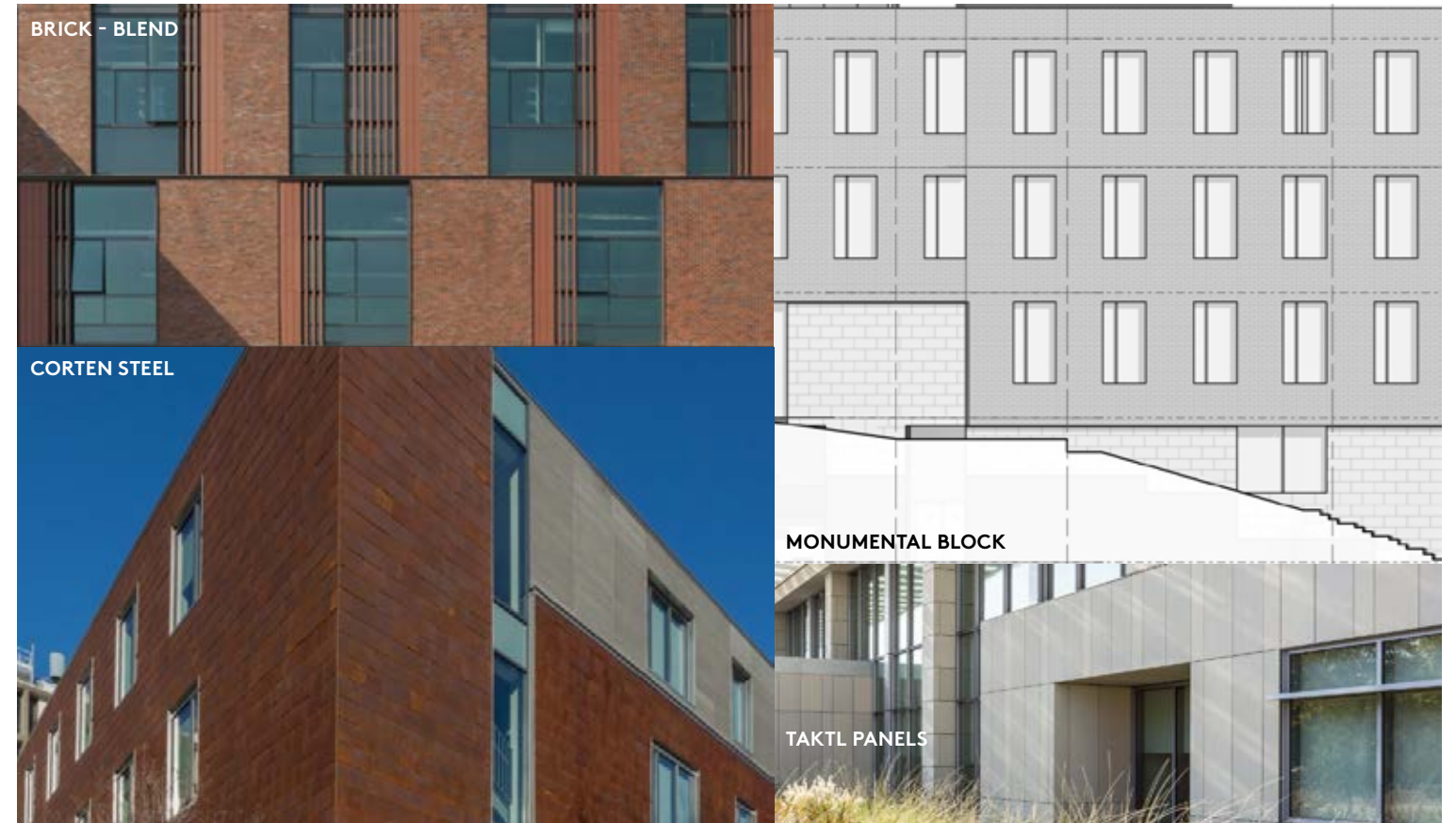
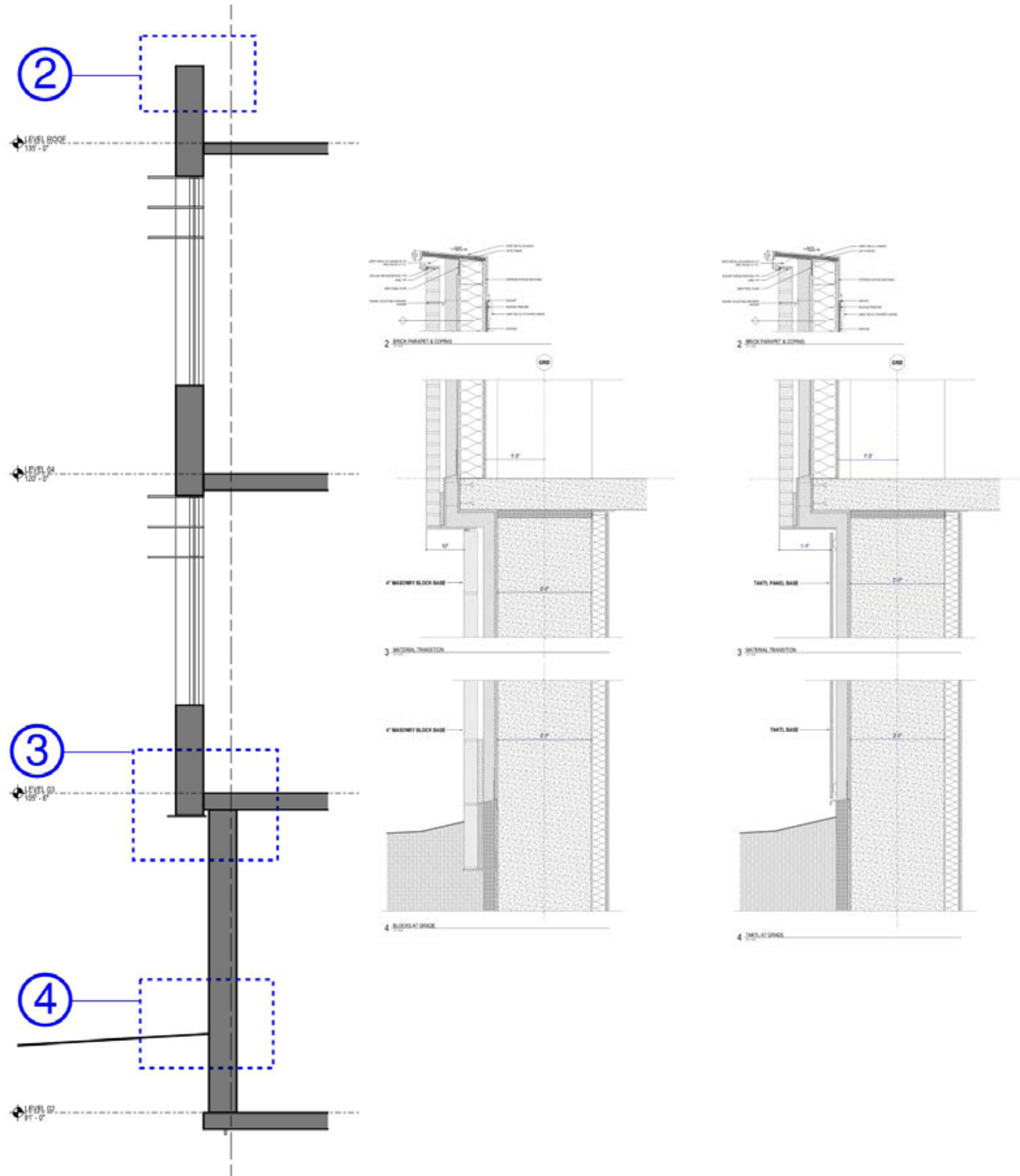




# MASSING & BASE STUDIES

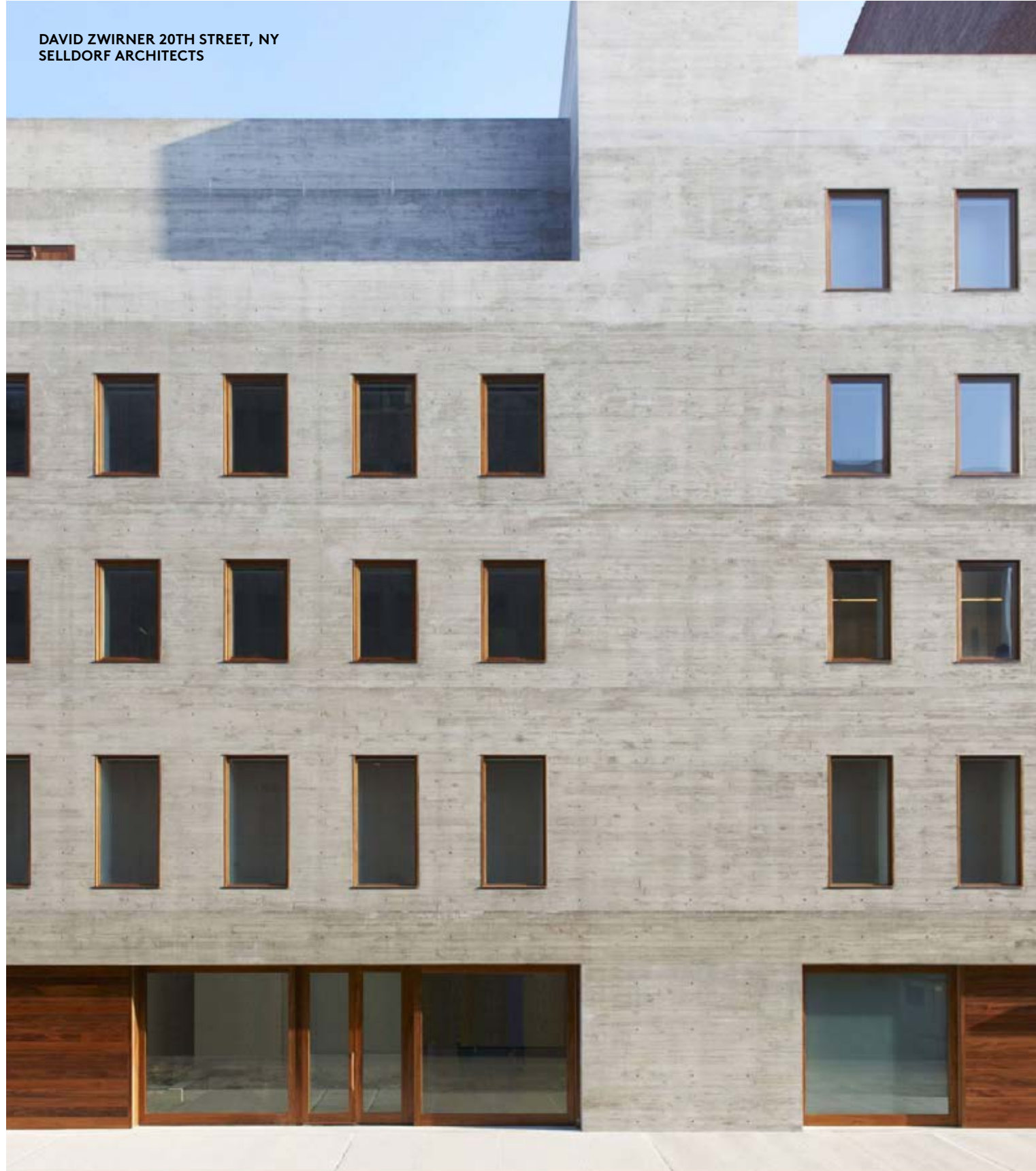


# WALL SECTION / MATERIAL STUDIES



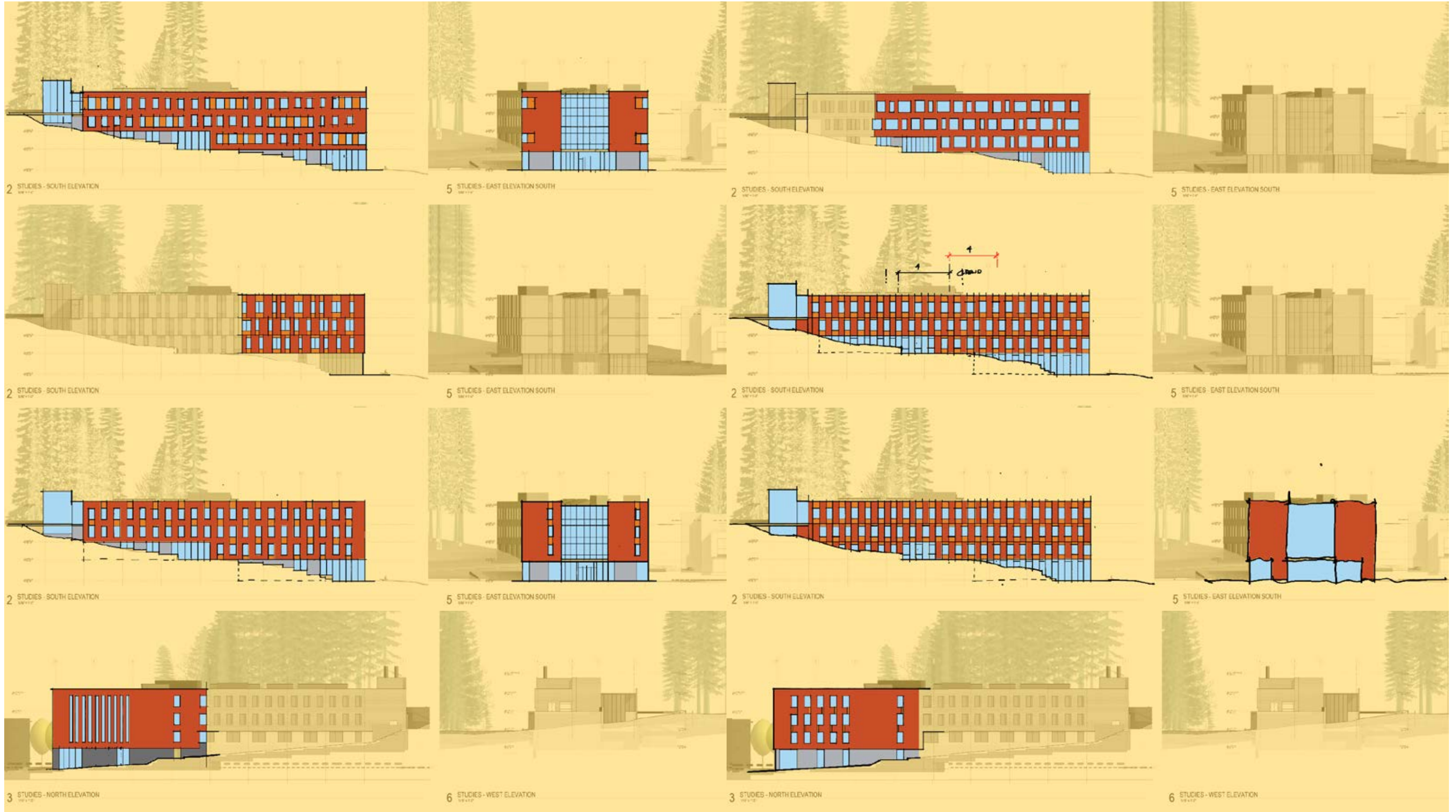


# PATTERNING PRECEDENTS



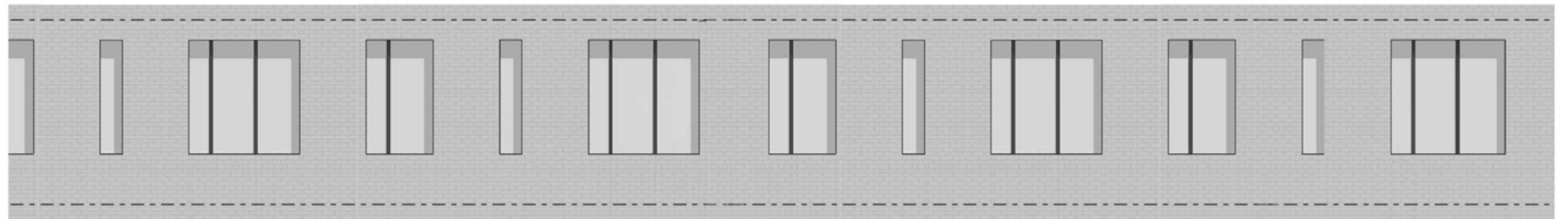
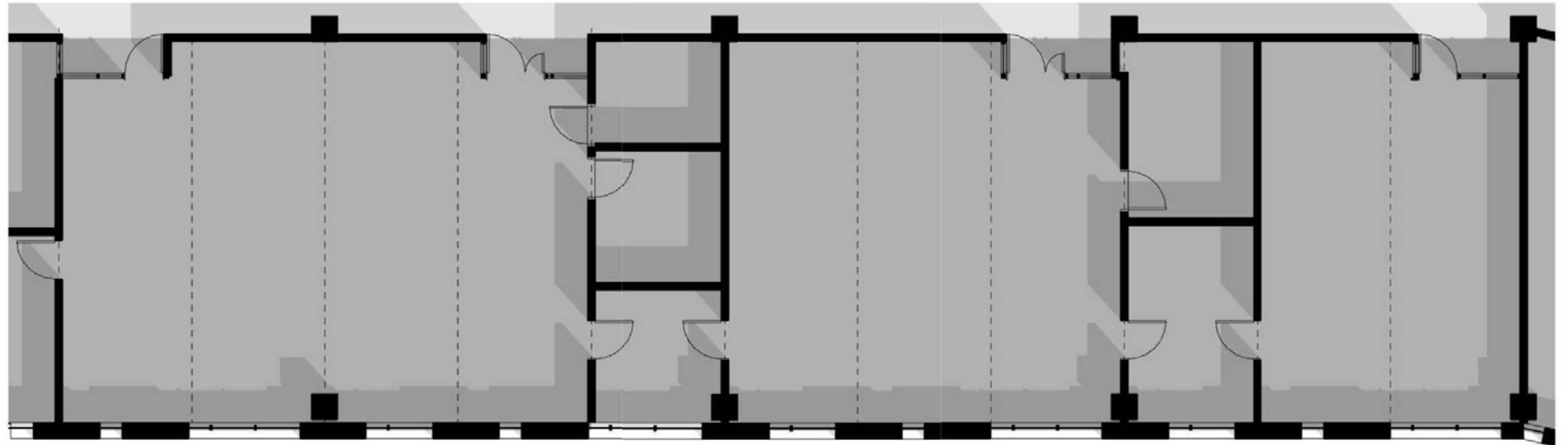


# PATTERNING STUDIES





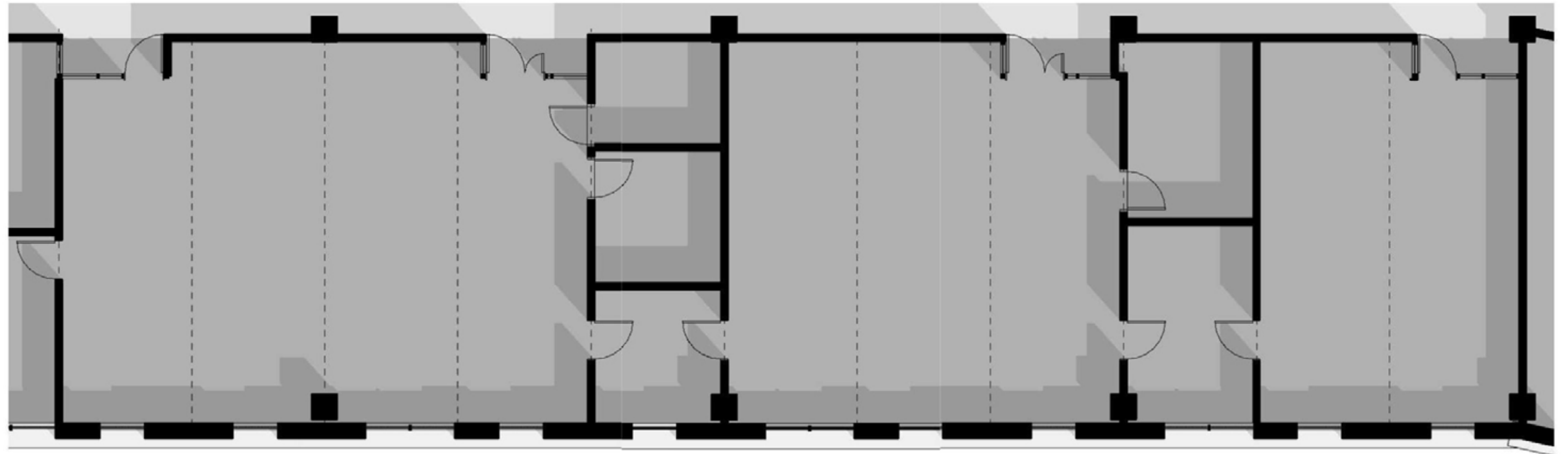
# PATTERNING STUDIES



STAGGERED - THREE WINDOW SIZES



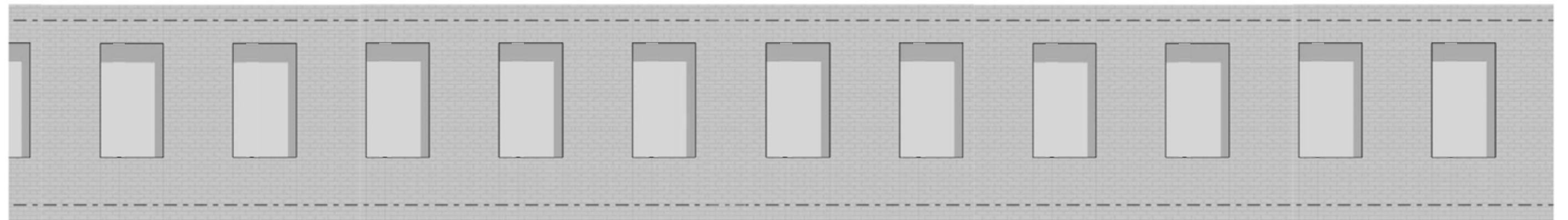
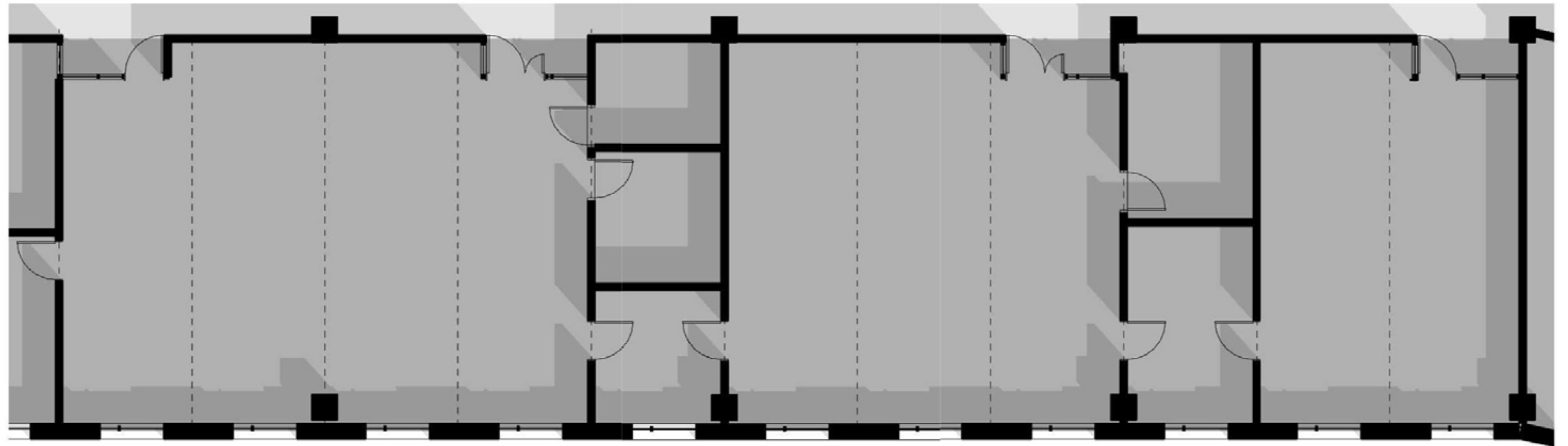
# PATTERNING STUDIES



STAGGERED - TWO WINDOW SIZES



# PATTERNING STUDIES

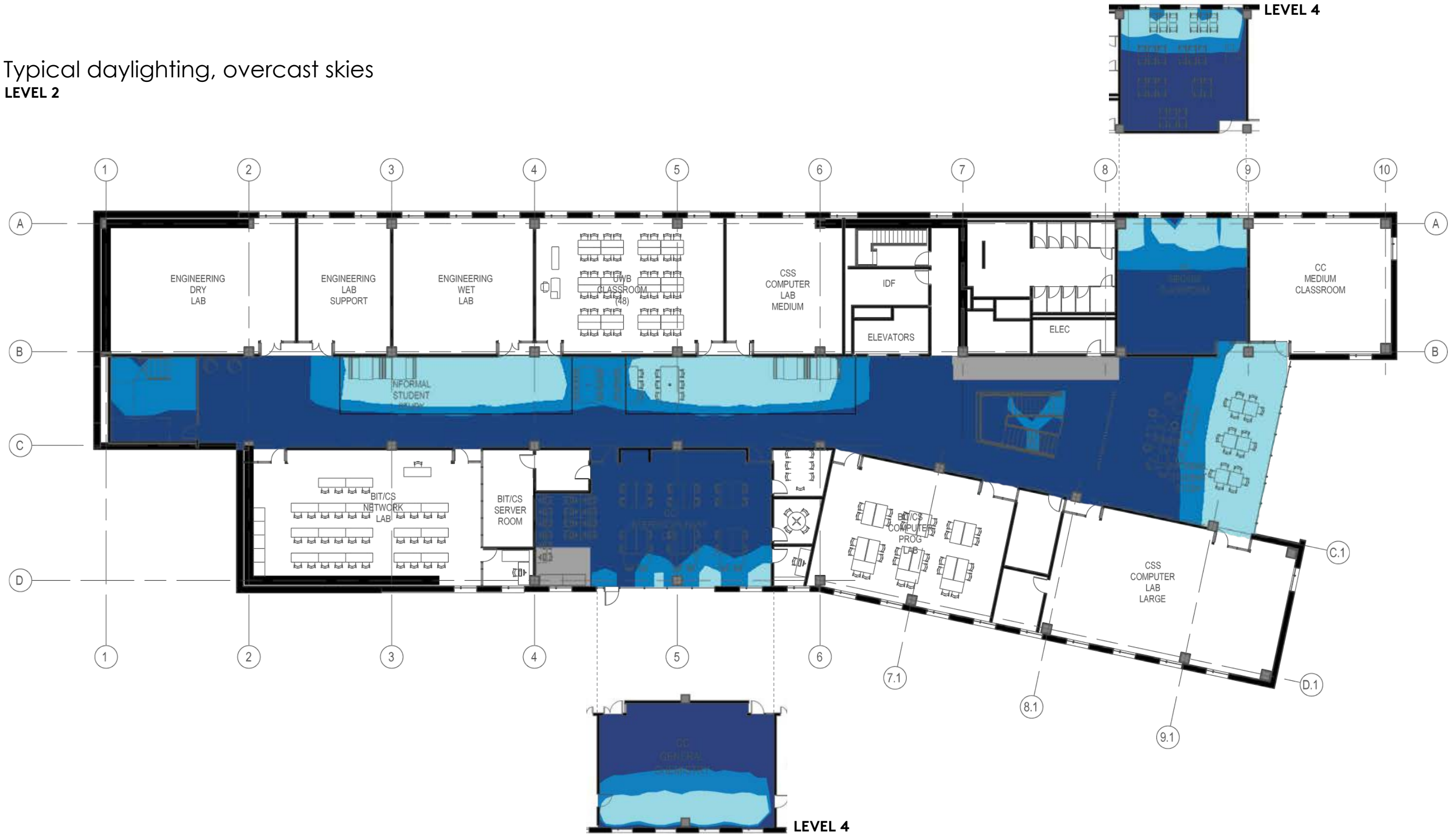


REGULAR PATTERN



# DAYLIGHTING

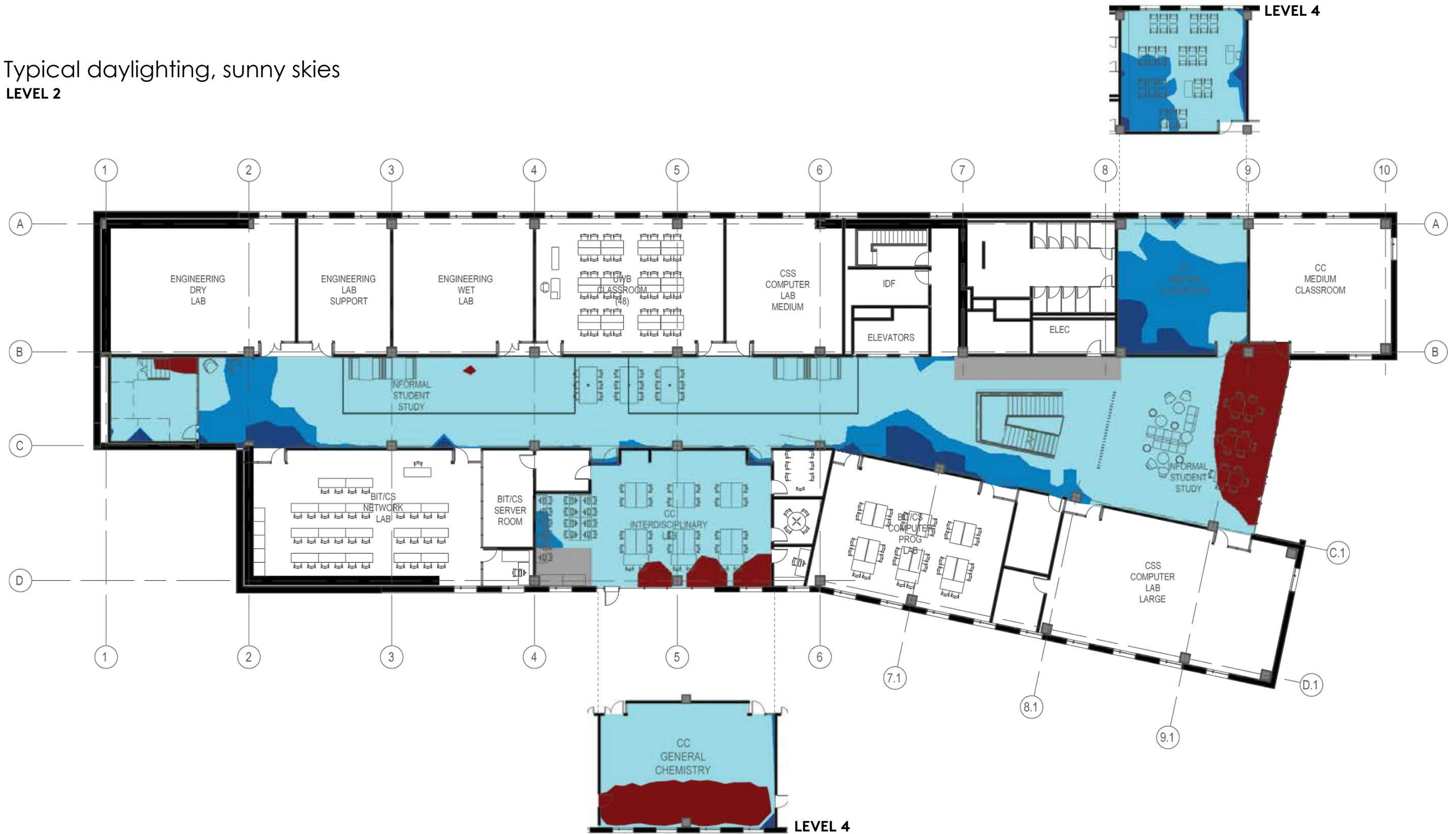
Typical daylighting, overcast skies  
LEVEL 2



< 250 lux
  250 - 400 lux
  400 - 2700 lux
  > 2700 lux

# DAYLIGHTING

Typical daylighting, sunny skies  
LEVEL 2

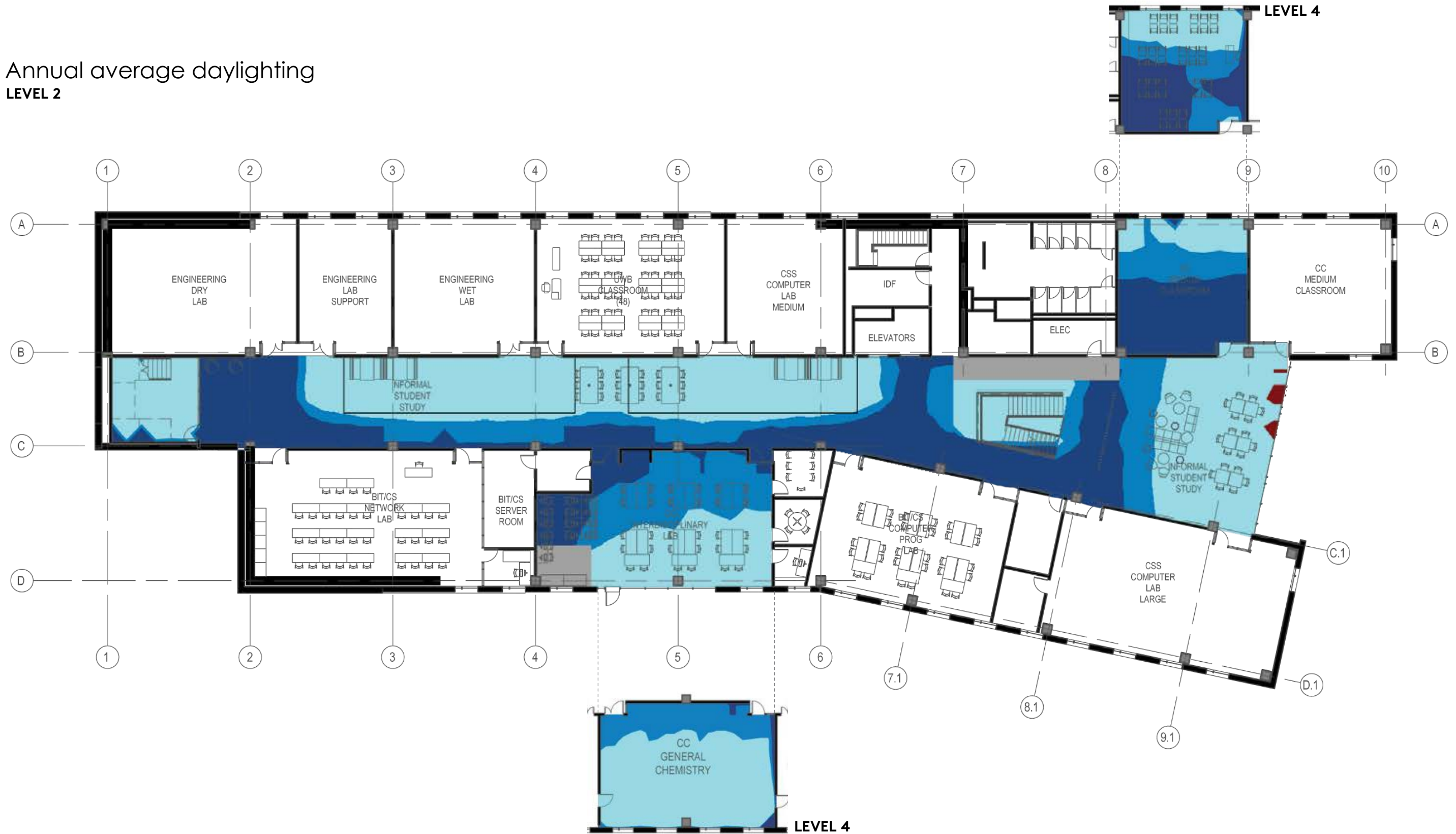


< 250 lux
  250 - 400 lux
  400 - 2700 lux
  > 2700 lux



# DAYLIGHTING

Annual average daylighting  
LEVEL 2

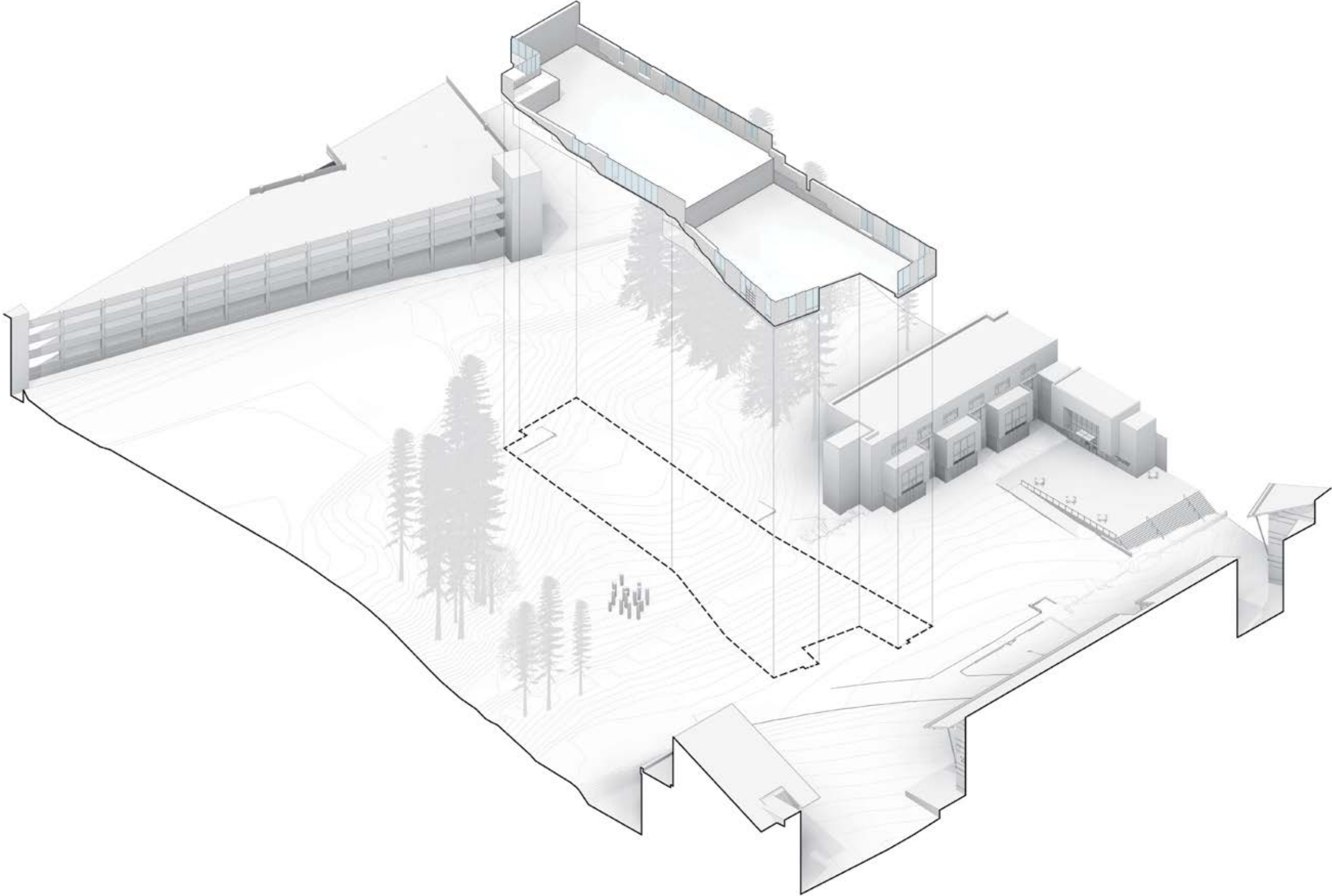


< 250 lux
  250 - 400 lux
  400 - 2700 lux
  > 2700 lux

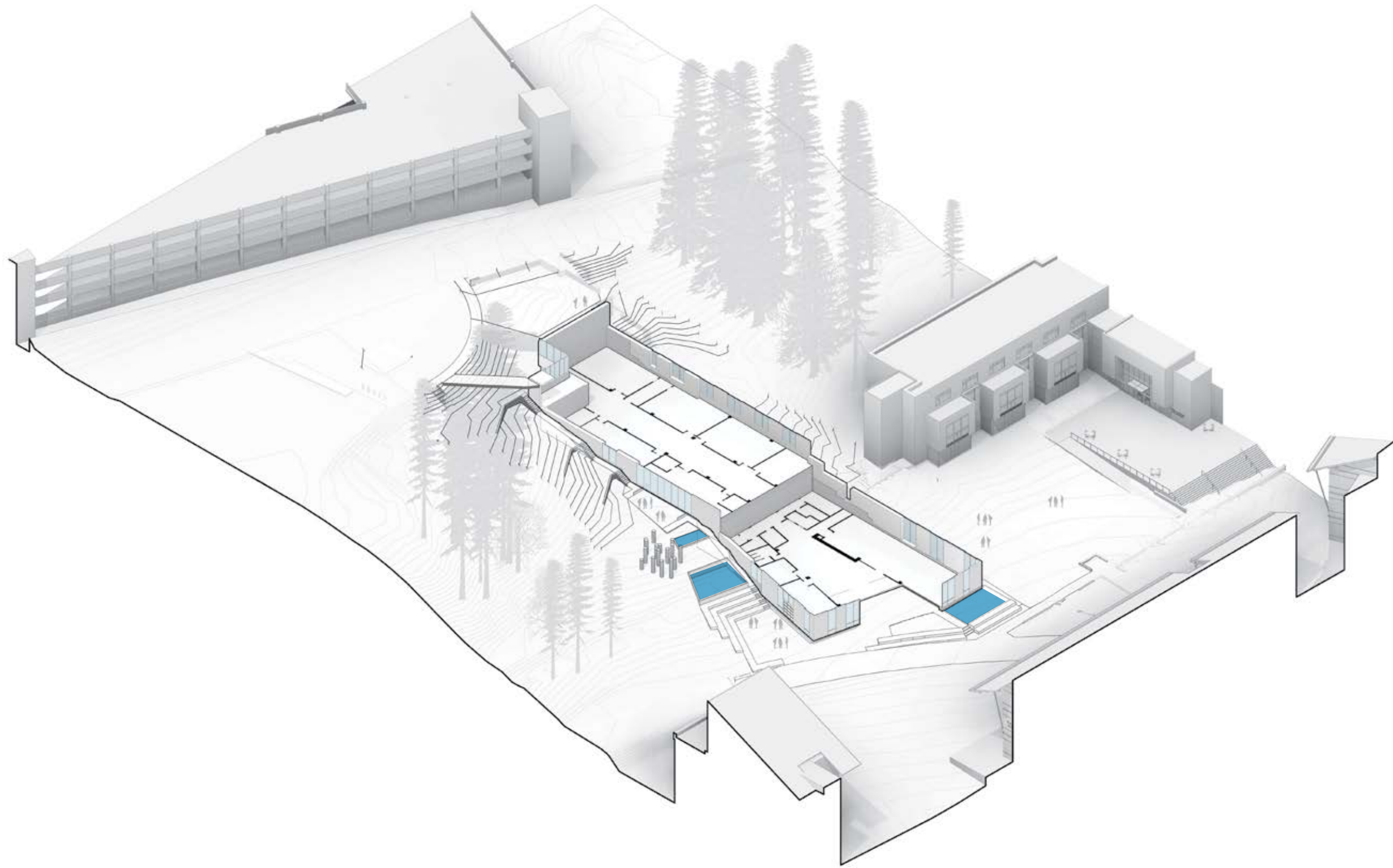
# KNITTING IN— Composite



# SITING THE BUILDING

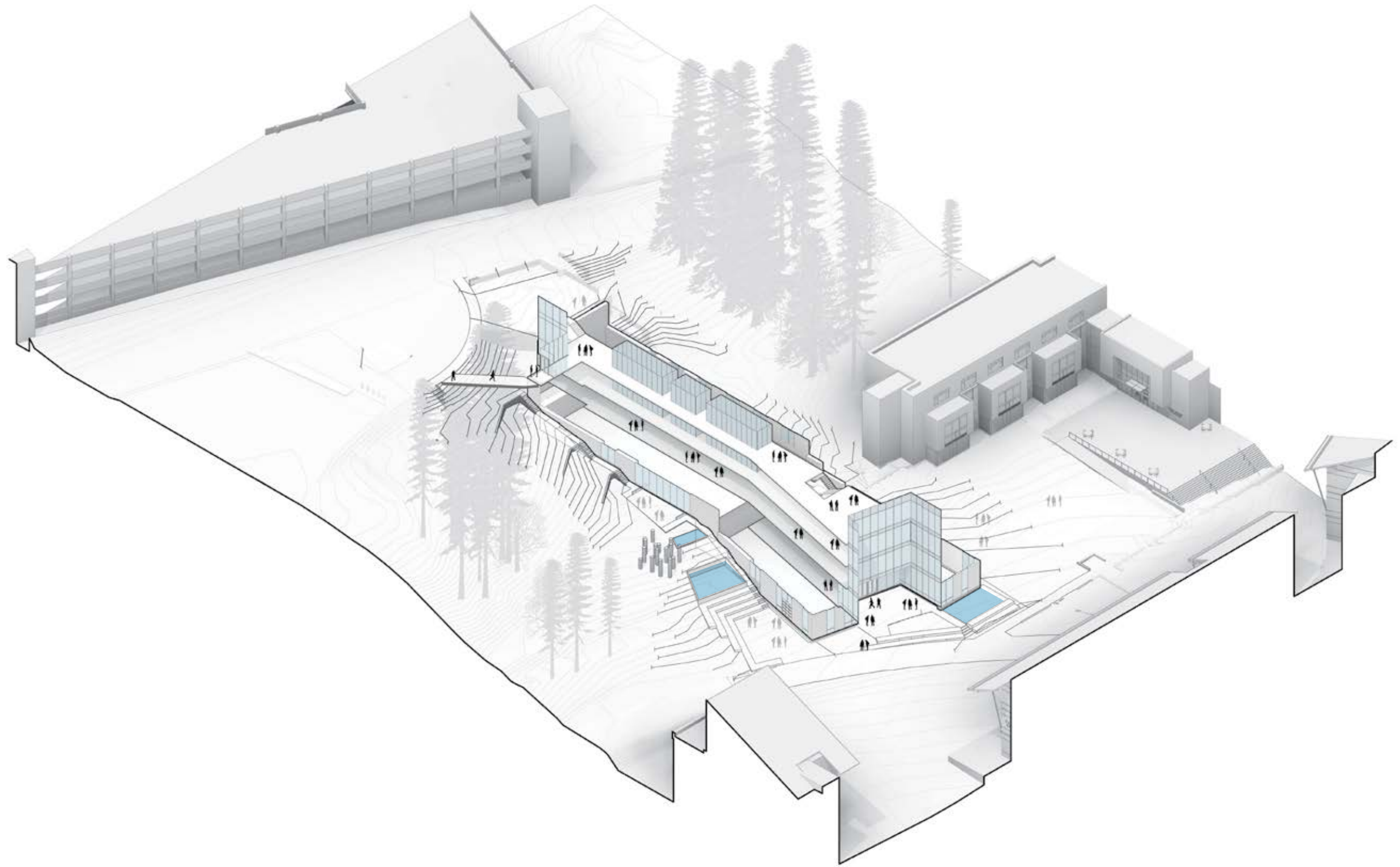


# BENCHING THE SLOPE

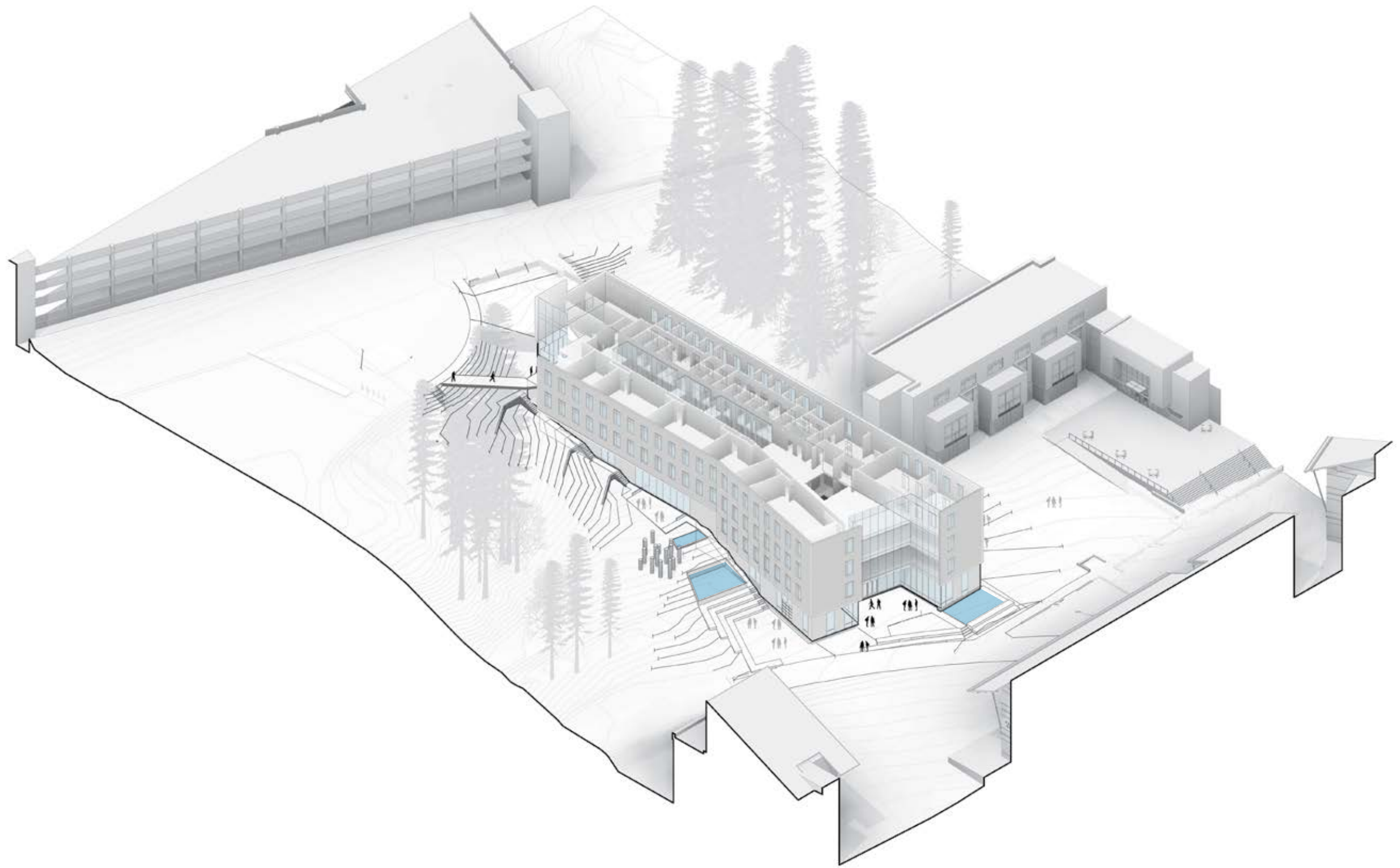




# PUBLIC SPACE

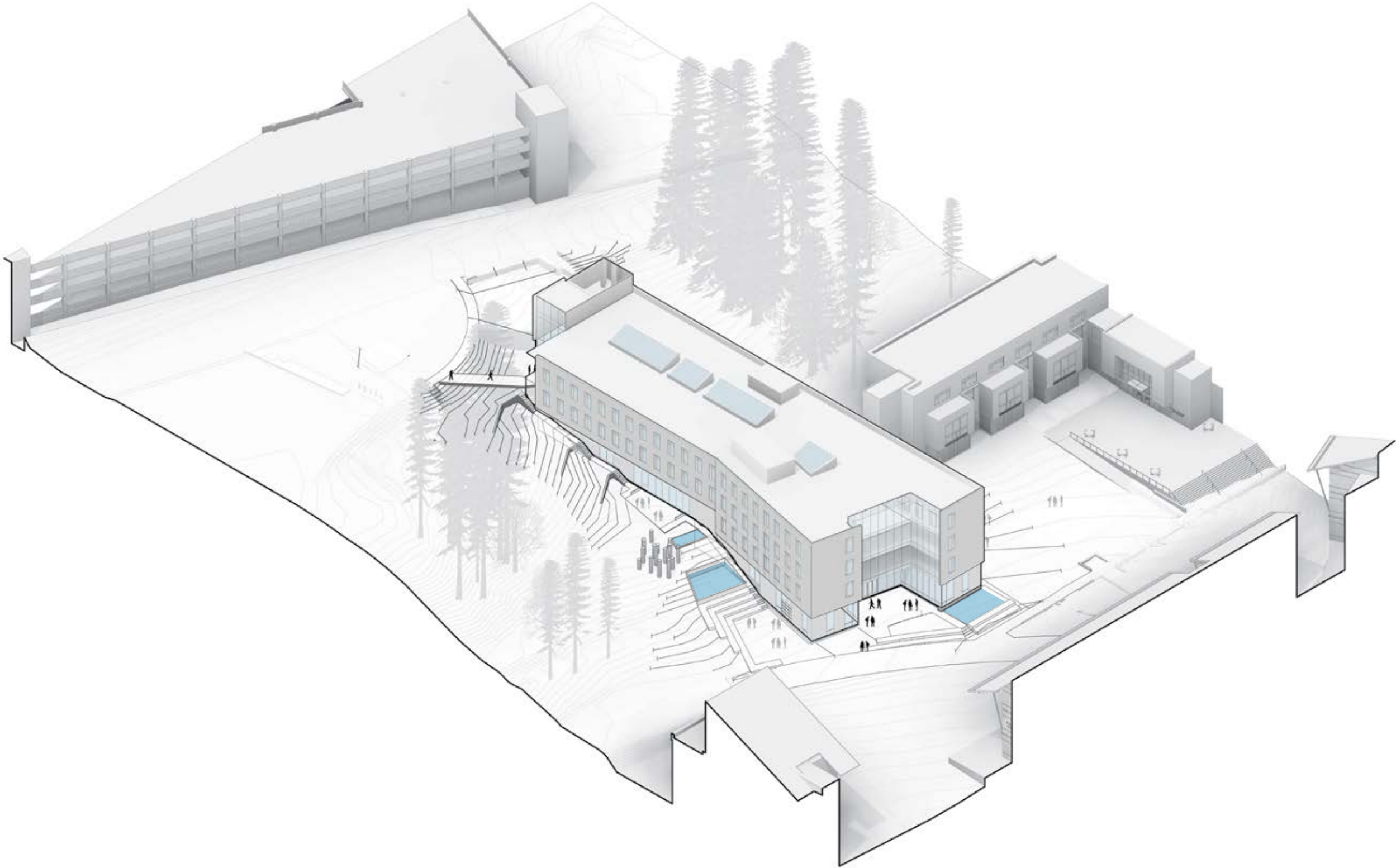


# BRICK WRAPPER

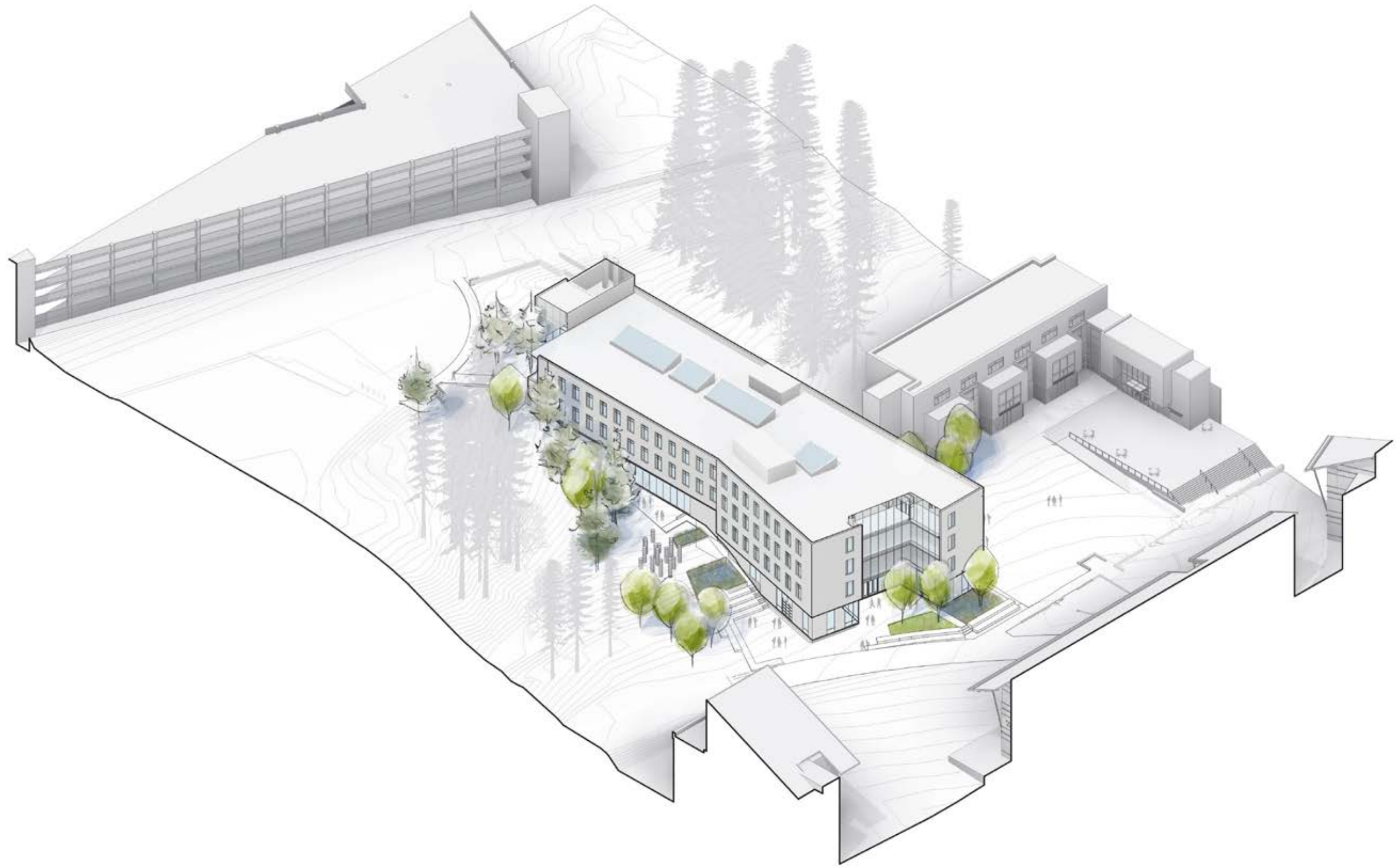




# COMPOSITE

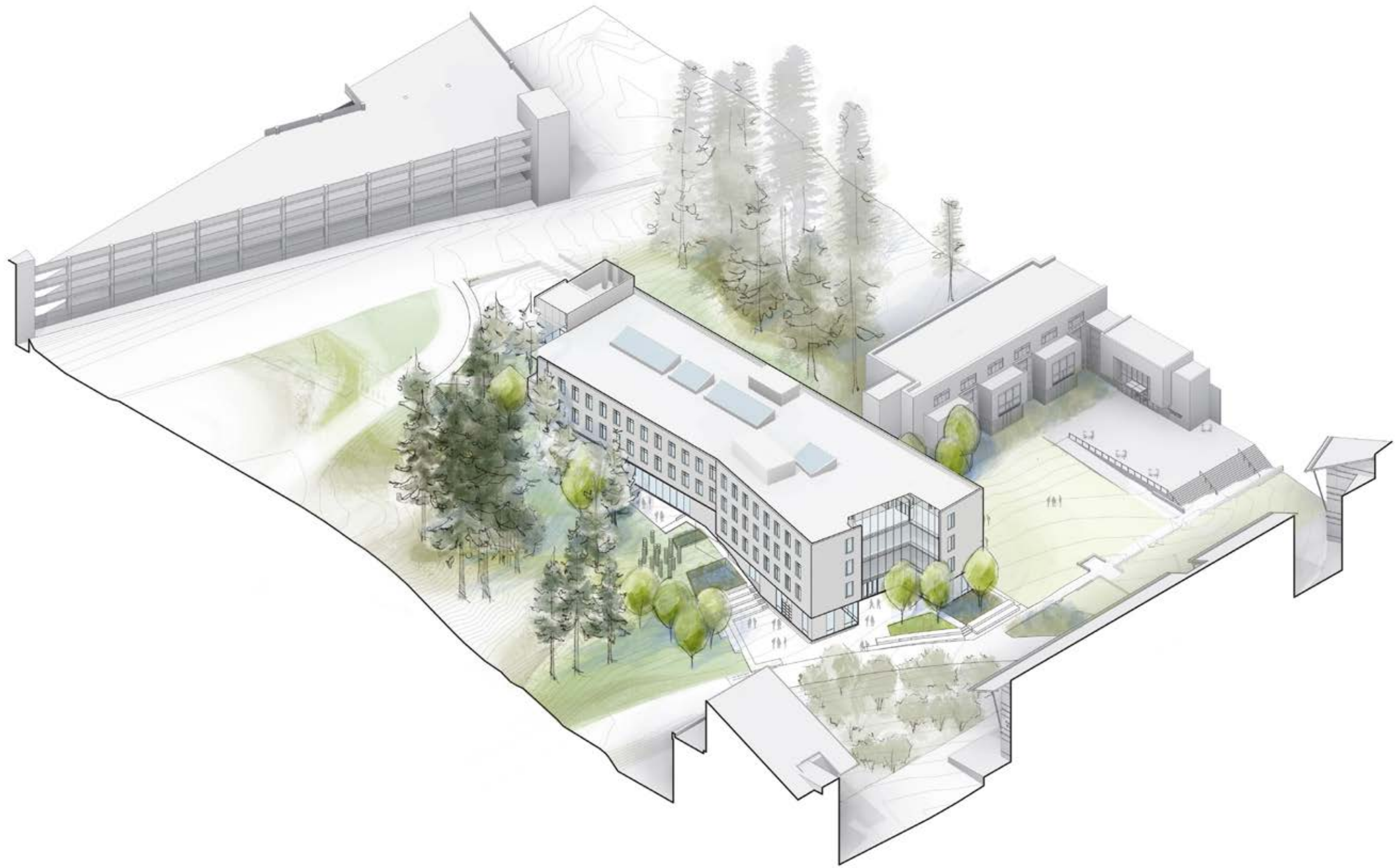


# LANDSCAPE ESTABLISHMENT





# KNITTING IN





# EAST ENTRY FROM CRESCENT





# NORTH ELEVATION FROM CC3 QUAD





**WEST ENTRY**





# MACHINE SHOP





# CLASSROOM





**DISCUSSION—**