

UNIVERSITY OF WASHINGTON North Campus Housing

University of Washington Architectural Commission

29 JUNE 2015

AGENDA

- 1. PROJECT GOALS
- 2. PREDESIGN SUMMARY
- 3. SCHEMATIC DESIGN, PHASE IVa



PROJECT GOALS

RESIDENTIAL COMMUNITY

- · World Class Living/Learning Community
- Support 3,200 Students
- Integrate Common Space, Regional and Recreational Programs with Landscape
- Integrate Residential Community with Campus and Neighborhood

CHARACTER

- Enhance Woodland Landscape of Kincaid Ravine and Whitman Court
- Integrate Woodland Landscape with Historic and Contemporary Landscape Influences

HISTORY

Embrace and Enhance Historic Structures and Landscapes Including Hansee, Hutchinson, Lewis and Denny Field

CONNECTIVITY

- Strengthen Campus and Neighborhood Connections
- Enhance Quality and Safety of Pedestrian and Cycling Experiences Across and Along Stevens Way
- Improve Pedestrian and Cycling Connections from Campus Across 45th Street

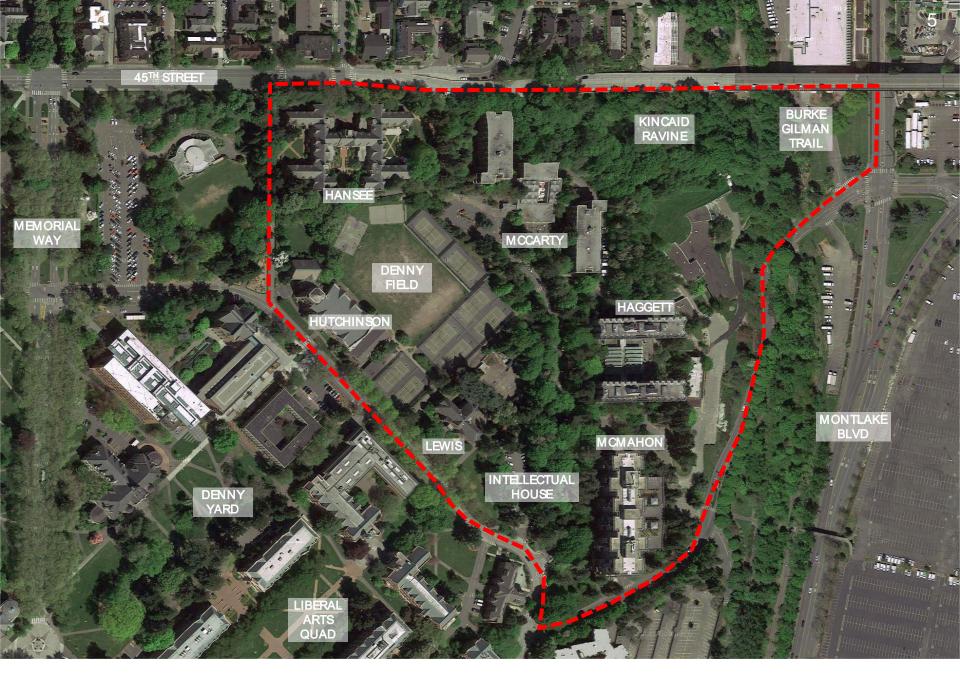
SCALE AND PERCEPTION

- Landscape Types Should Range from Intimate to Expansive
- Architectural Scale to Reveal and Connect to Woodland Canopy Beyond

<u>SUSTAINABILITY</u>

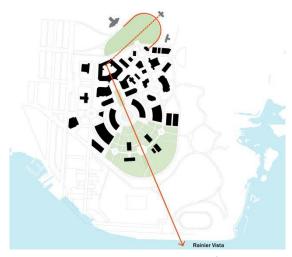
- Be Good Stewards of Resources
- Strive to Achieve LEED Gold and 2030 Energy Challenge
- Maximize Penetration of Desirable Sun and Wind
- · Retain and Manage Storm Water On-Site



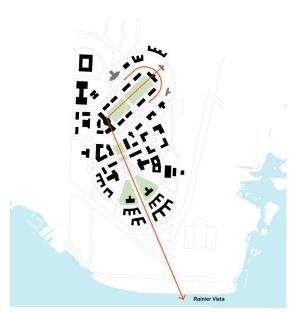




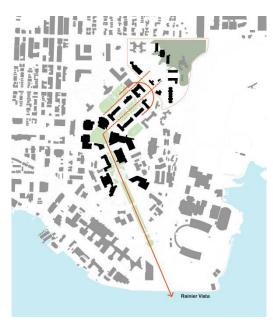
1902 Olmsted Campus Plan



1909 Olmsted Alaska-Yukon Pacific Exposition Plan



1914 Olmsted Campus Plan

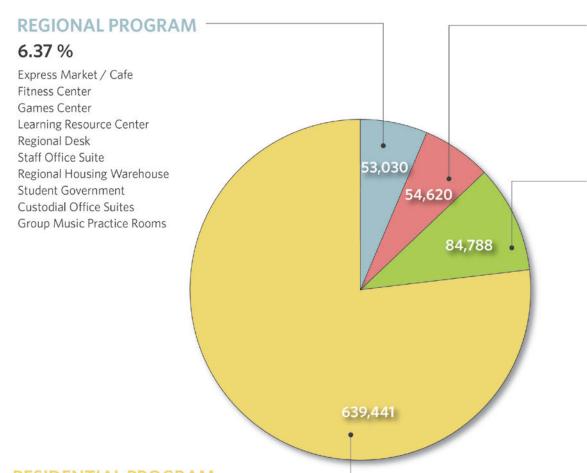


2015 Campus Plan









DINING PROGRAM

6.57 %

New Dining Hall Catering/Commissary Great Room Small Catering Kitchen

COMMUNITY PROGRAM

10.19 % Main Lounge

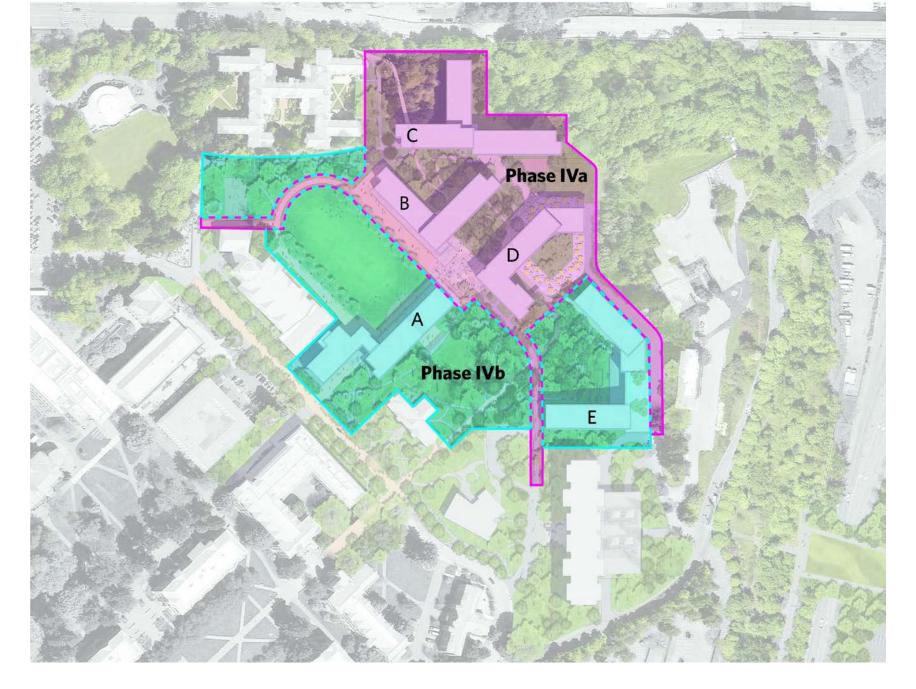
Group Kitchen Admin. Office Music Practice Rooms Meeting Rooms Laundry Building Support Bike Storage

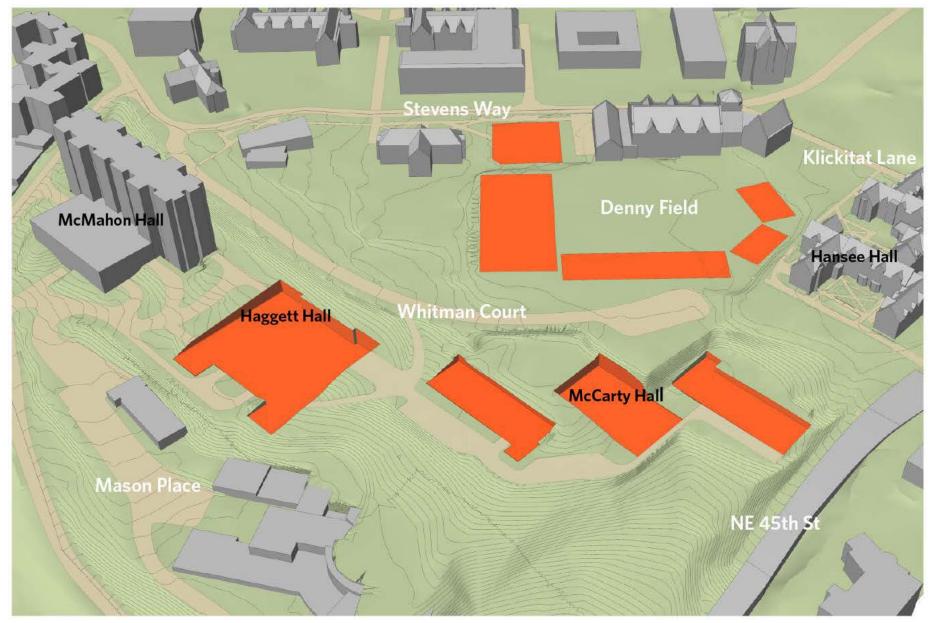
RESIDENTIAL PROGRAM

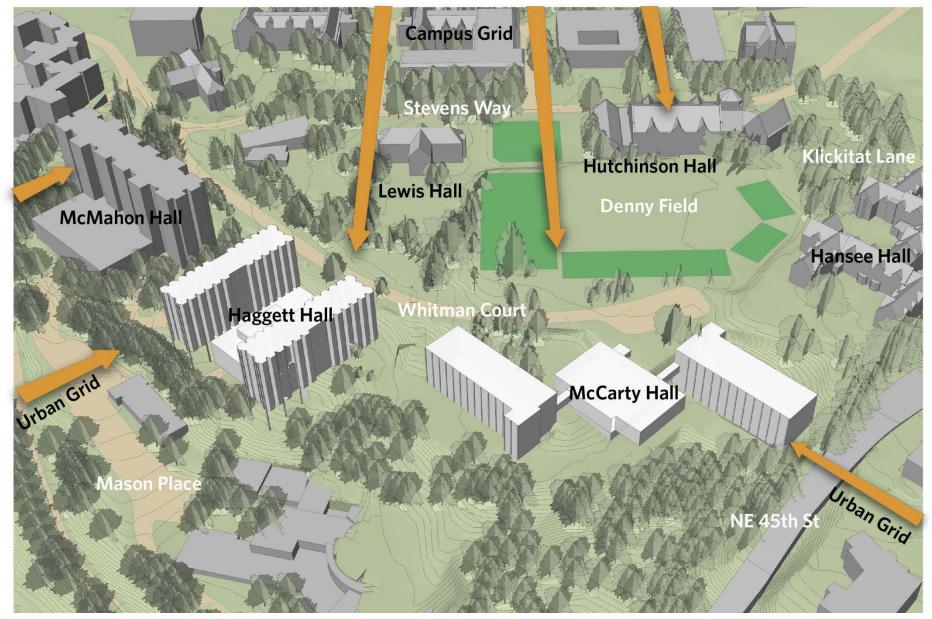
76.87 %

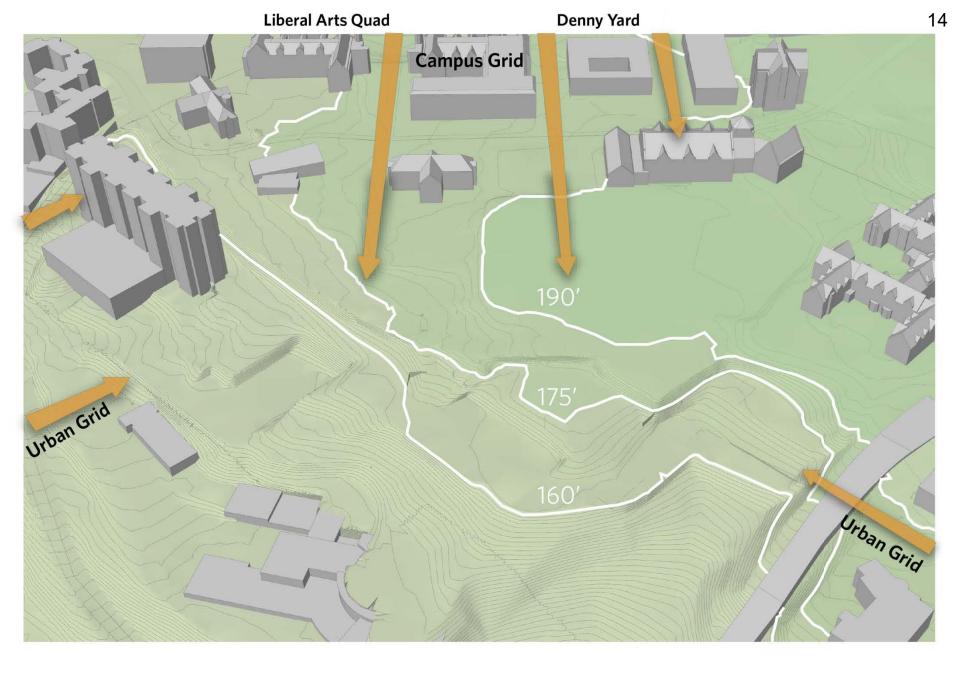
Floor Lounges Group Study Lounges Single Rooms Double Rooms Triple Rooms Quad Rooms

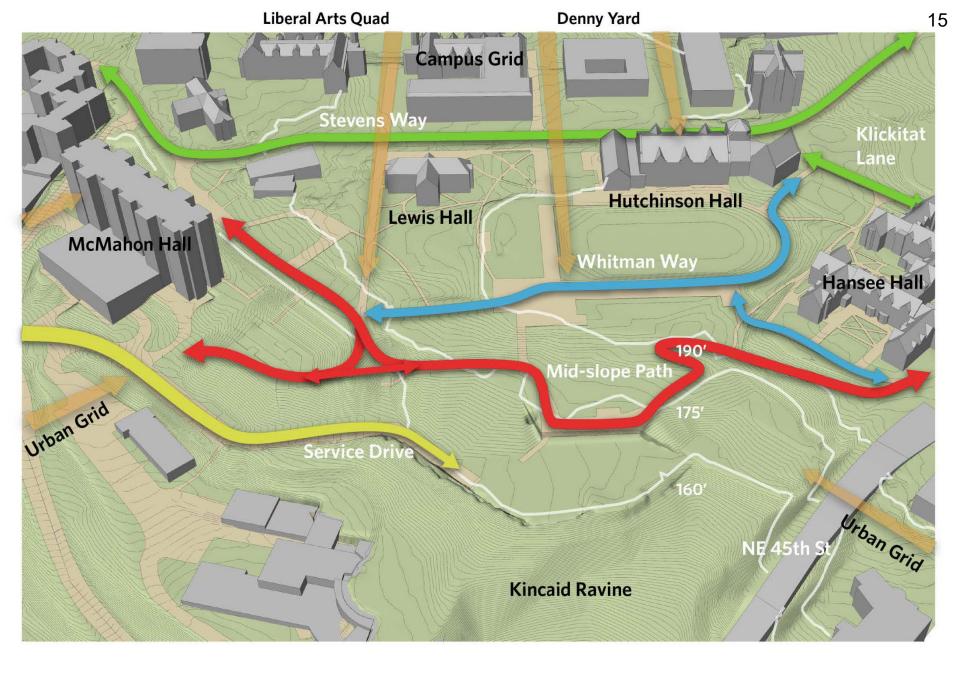
Studio Apartments Staff Apartments TOTAL AREA = 831,879 GSF 2,850 BEDS

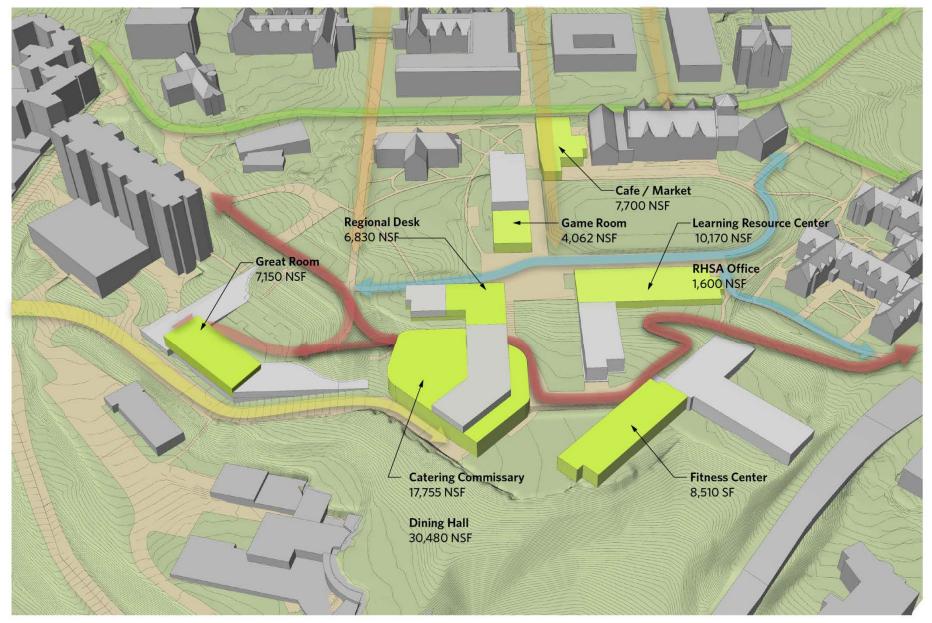


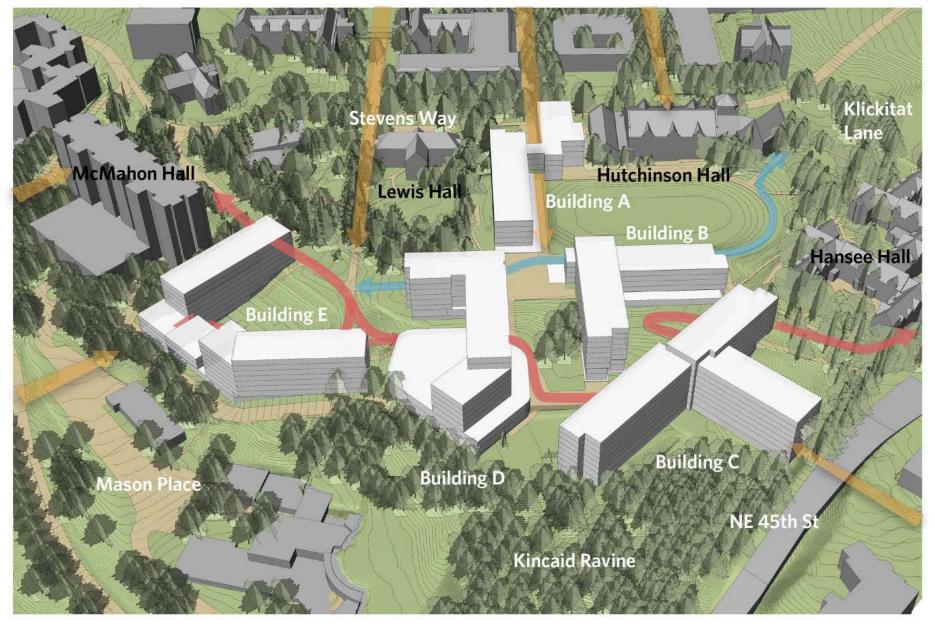


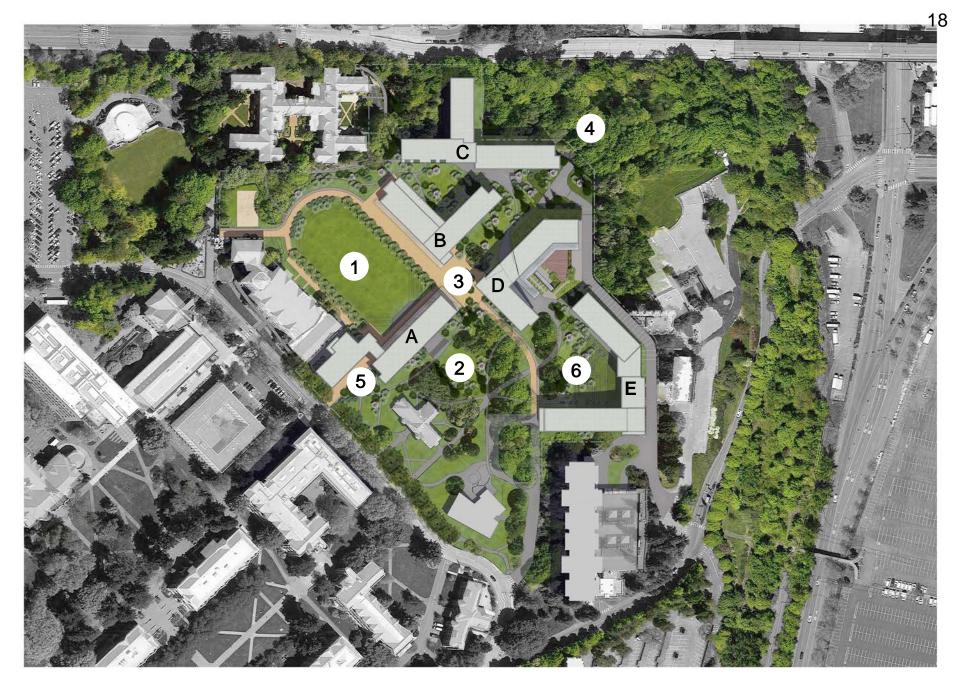




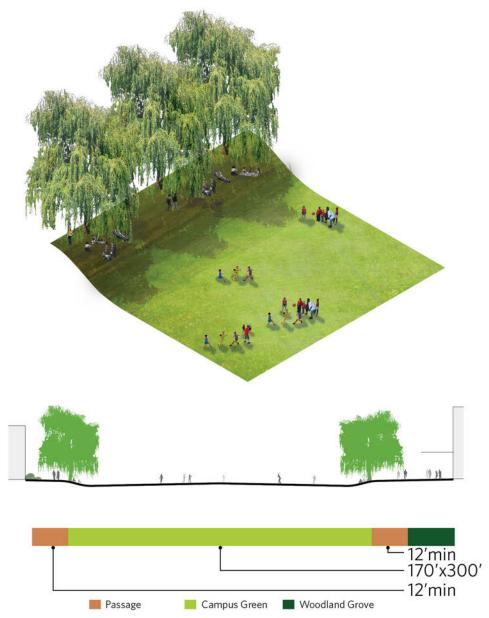








1 DENNY FIELD RECREATIONAL FIELDS



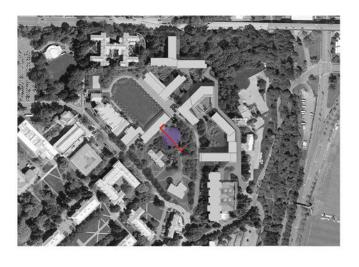


Description

The largest open space in this precinct is a play field that celebrates the location of the University of Washington's first football field: Denny Field. The proposed design reshapes this intramural field remeniscent of a stadium space, designed as an eliptical bowl-shaped field flanked lengthwise by deciduous trees, gently sloped banks that function as informal seating for spectators as well as covered porch views from residence halls 'A' and 'B'.

2 LEWIS GROVE CAMPUS GREEN

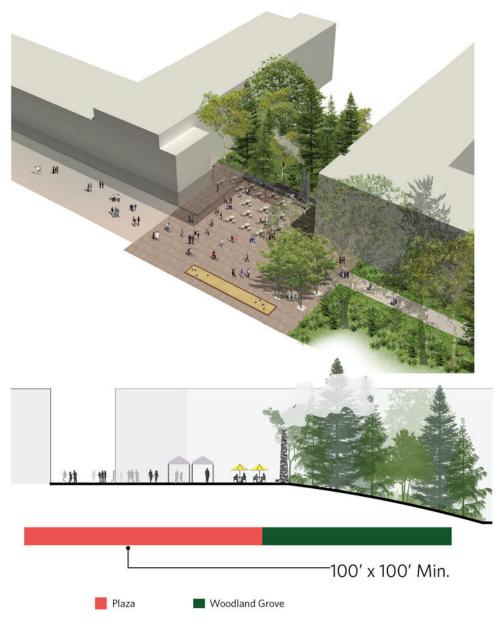


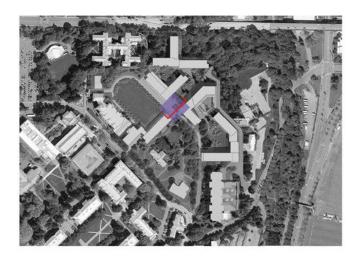


Description

Behind Lewis Hall, several clumps of significant trees with infill plantings will form the nucleus of a shaded grove, within which a circular lawn will be framed by flowering understory trees and shrubs. It is envisioned as a space for informal gatherings and occasions within the campus community.

3 PLAZA TOWN SQUARE

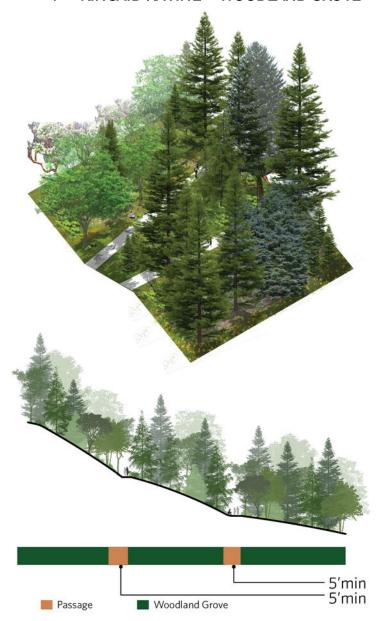




Description

The Town Square is the confluence of student activity and circulation. The square will provide access to regional and local student services and facilities, as well as providing a locus for events and activities that require a supporting pavement. This space will be heavily trafficed as point of meeting, orientation, events and other student activities.

4 KINCAID RAVINE WOODLAND GROVE

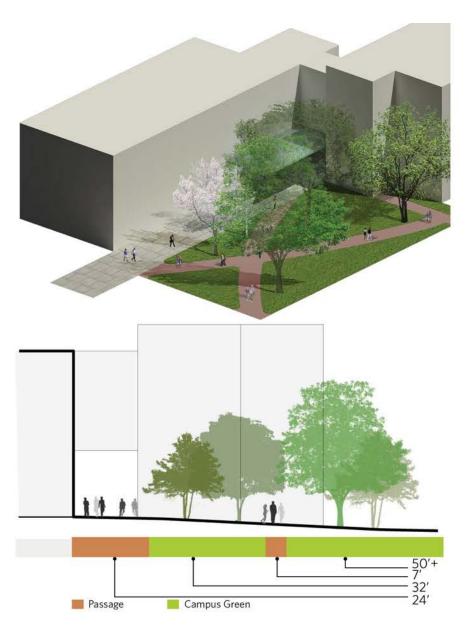


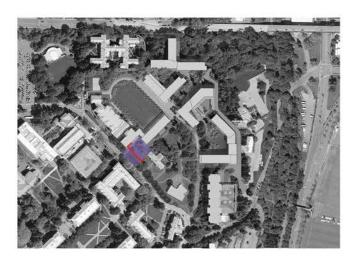


Description

Kincaid Ravine is to be restored with appropriate native species to provide habitat as well as a safe, usable, stable pedestrian path connecting the student community above with the Burke Gilman Trail and the University Village commercial area below.

5 CHELAN LANE + STEVENS WAY COURT PASSAGE + GREEN

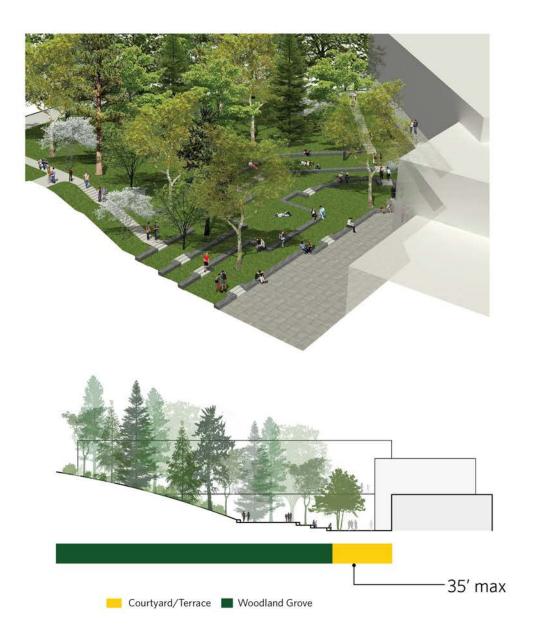


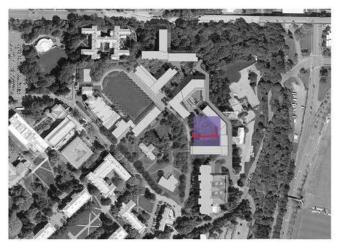


Description

This passage to the residential community, between Building A and Lewis Hall, will be adjacent to a traditional lawn and canopy trees as found on many campuses and exemplified by the pastoral sloping yard to the east of Denny Hall that is traversed with paths.

6 AMPHITHEATER TERRACED WOODLAND

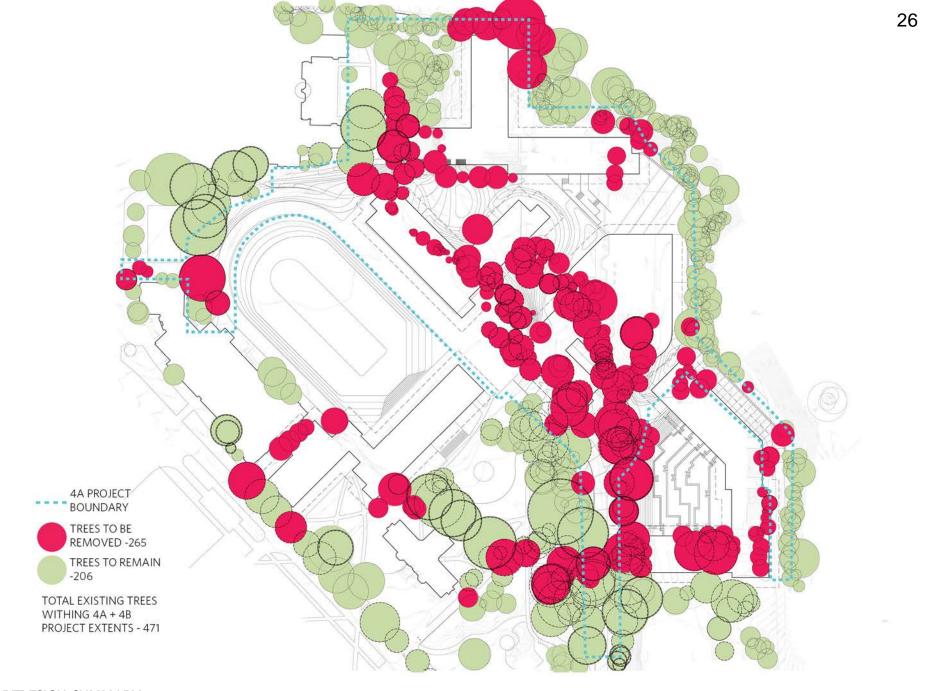


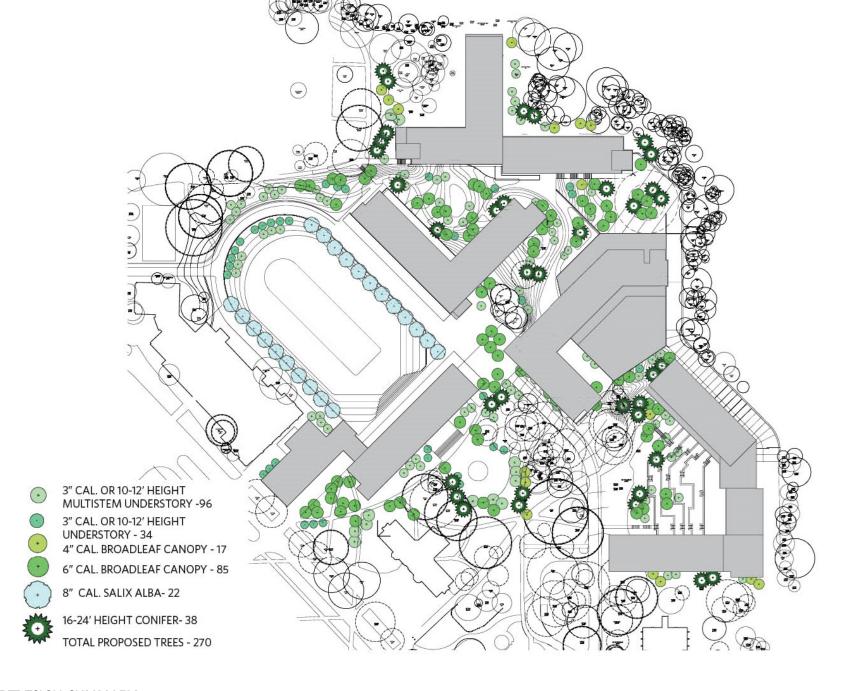


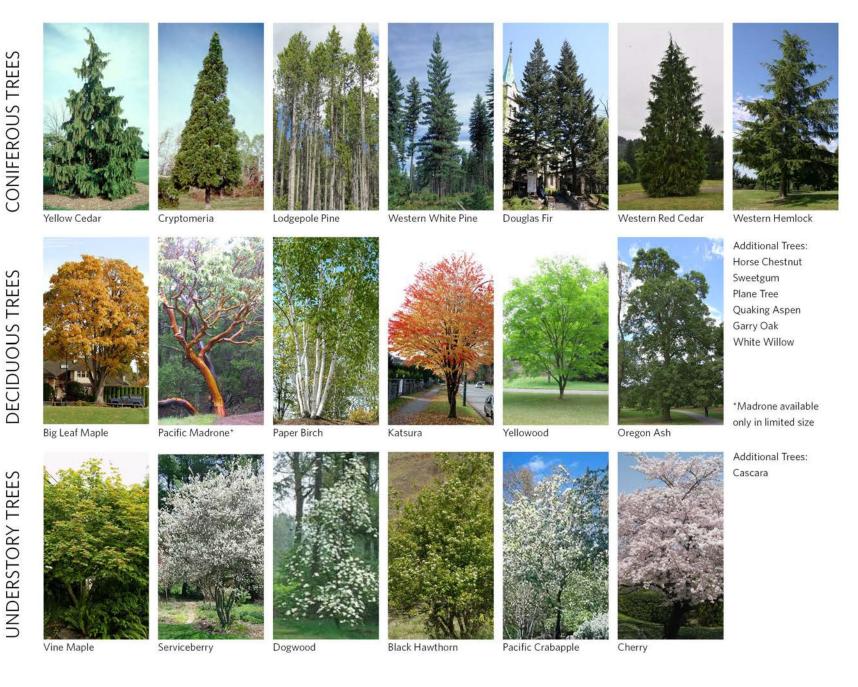
Description

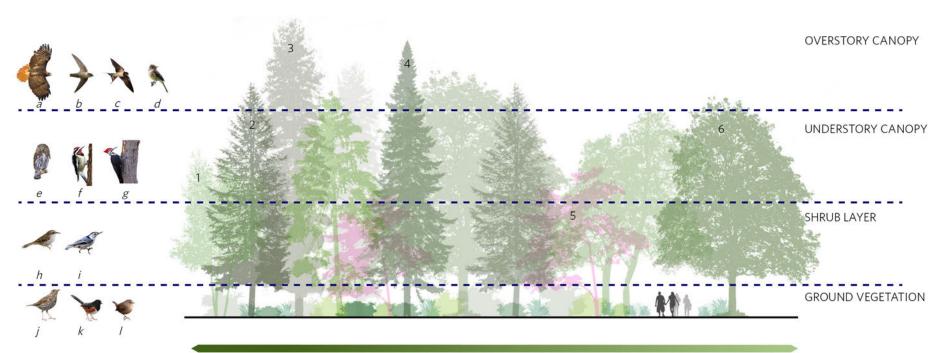
This amphitheater is a courtyard space that looks out to the Cascade Range and is embraced by the preserved woodlands on the existing rockery parallel to Whitman Way.











RAVINE PLANTINGS -CONIFER DOMINANT

CAMPUS PLANTINGS -**DECIDUOUS DOMINANT**

BIRD SPECIES

- a. Red-Tailed Hawk
- b. Swift
- c. Swallow
- d. Fly-Catcher
- e. Pygmy Owl
- f. Sapsucker

- g. Pileated Woodpecker
- h. Brown Creeper
- i. Nuthatch
- j. Thrush k. Towhee
- I. Winter Wren

TREE SPECIES

- 1. Betula papyrifera
- 2. Tsuga heterophylla
- 3. Pinus monticola
- 4. Pseudotsuga menziesii Douglas Fir
- 5. Cornus nuttallii 6. Acer macrophyllum
- - Pacific Dogwood

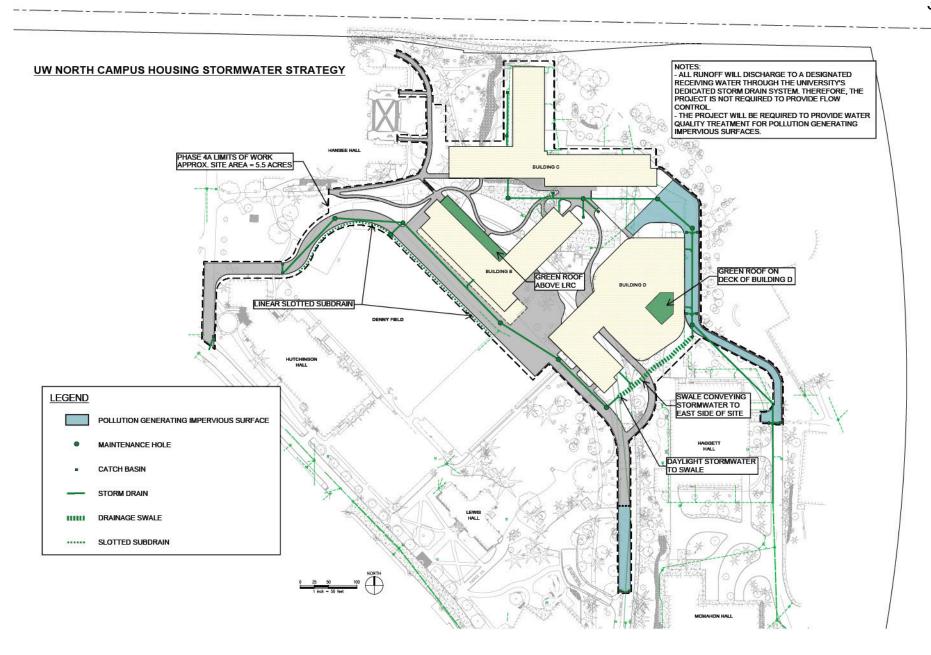
Western Hemlock

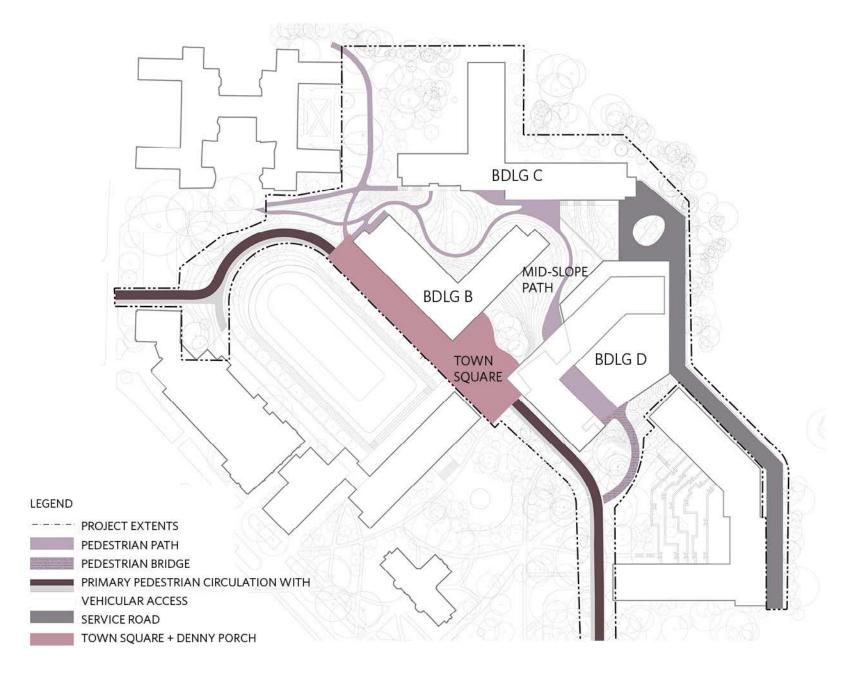
Western White Pine

Big Leaf Maple

Paper Birch

UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING



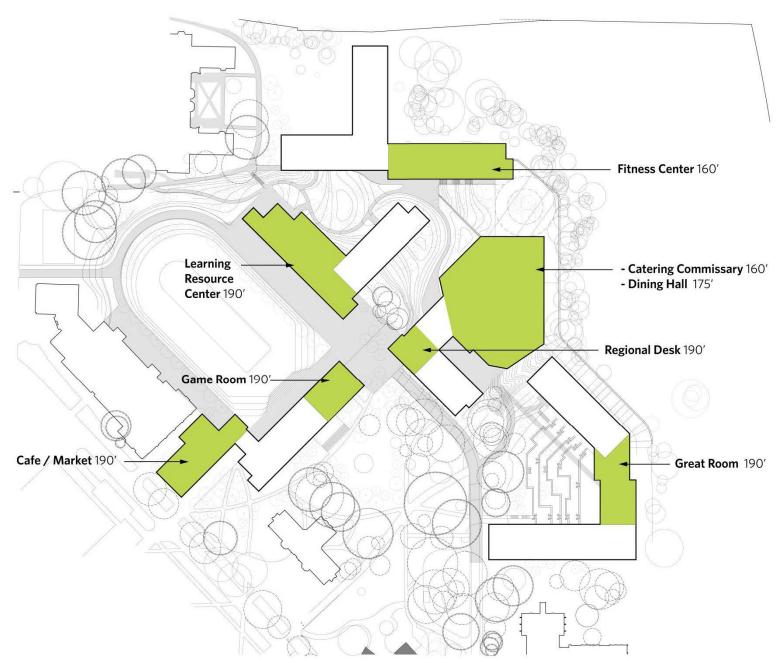


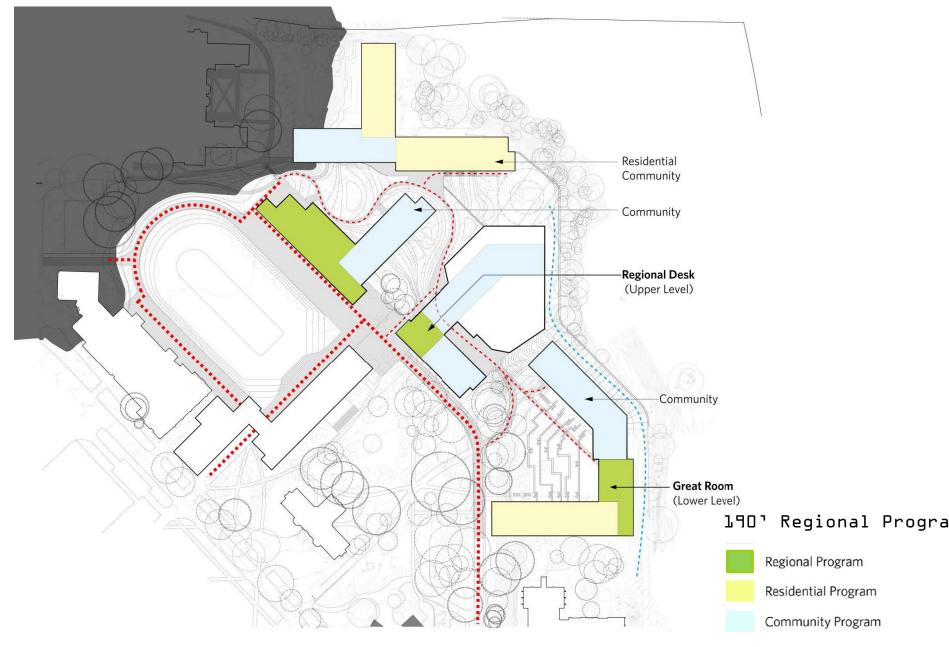


INTIMATE CIVIC





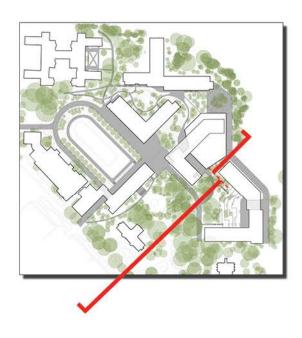














LIBERAL ARTS QUAD

STEVENS WAY

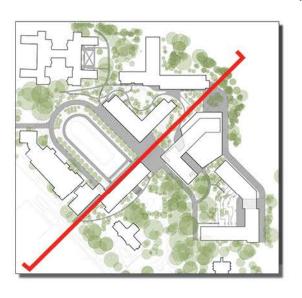
LEWIS HALL

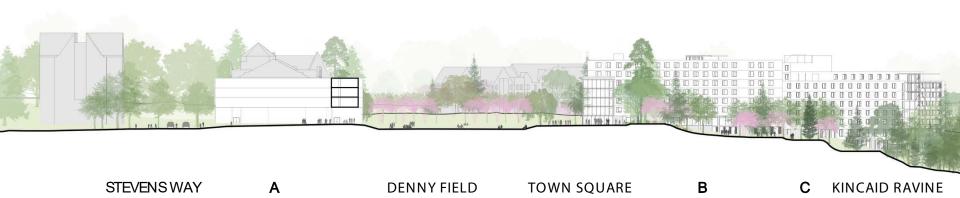
LEWIS GROVE

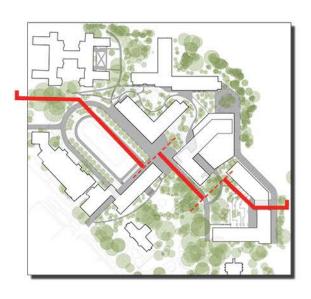
WHITMAN WAY

D

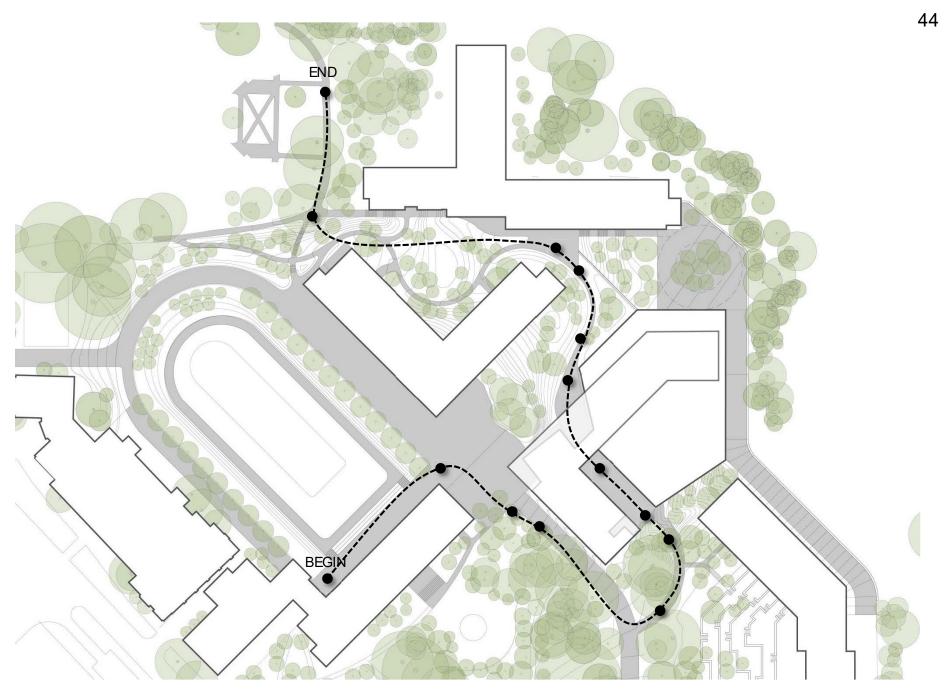
SERVICE DRIVE

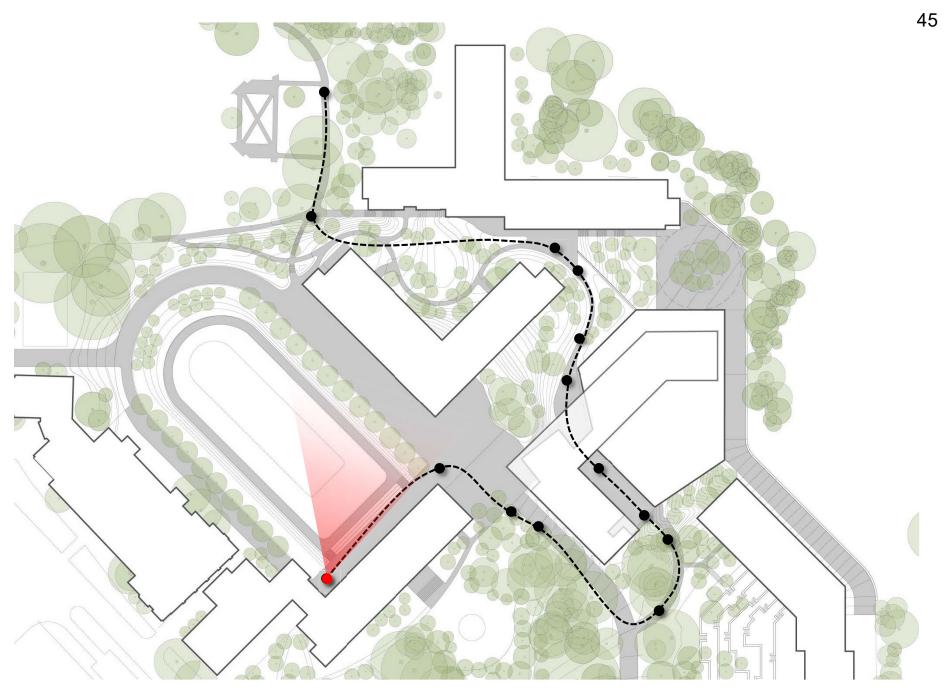








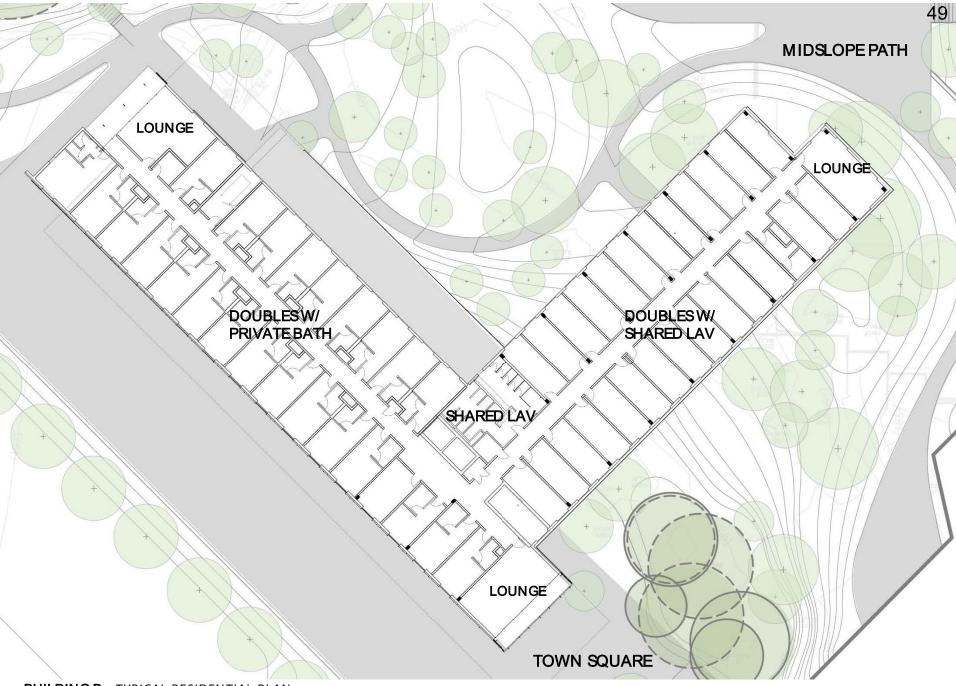


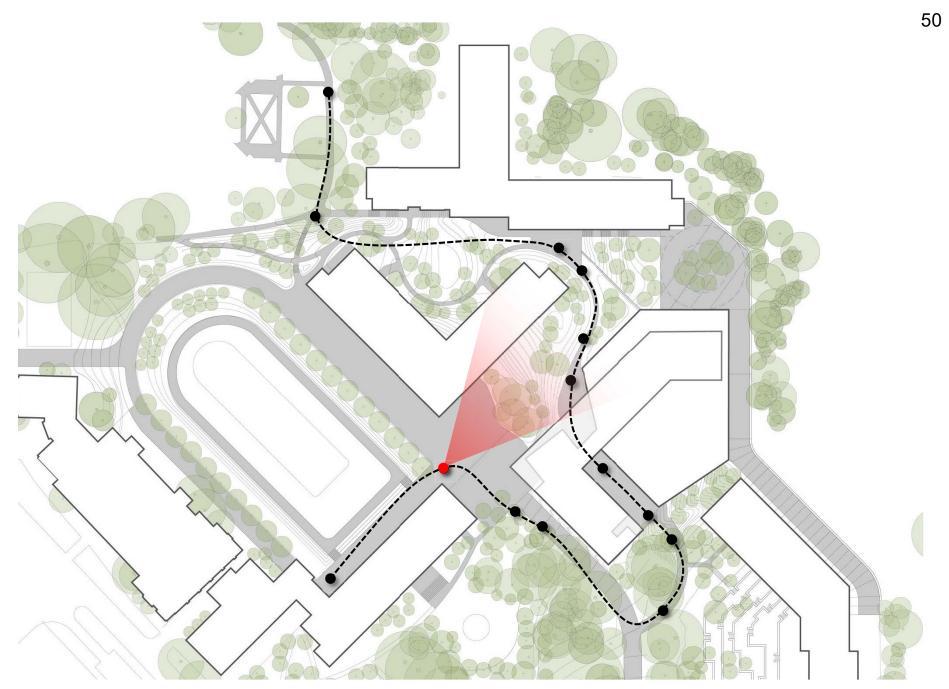






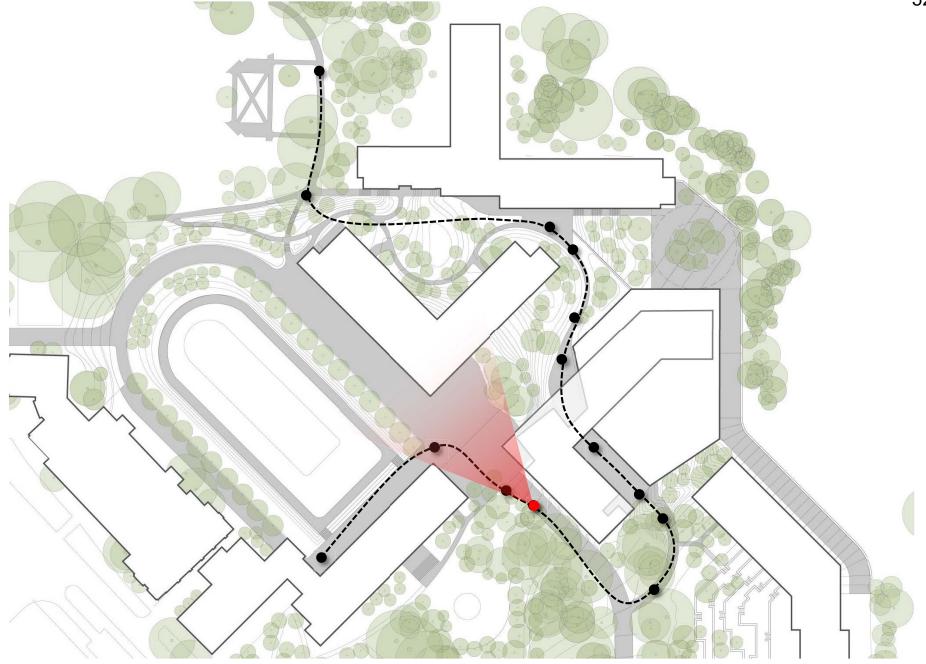




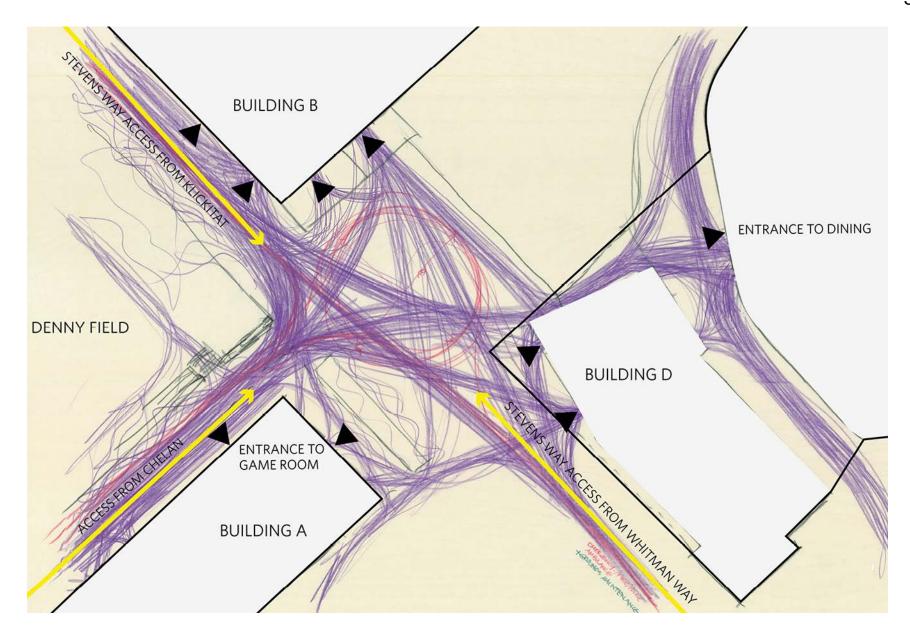






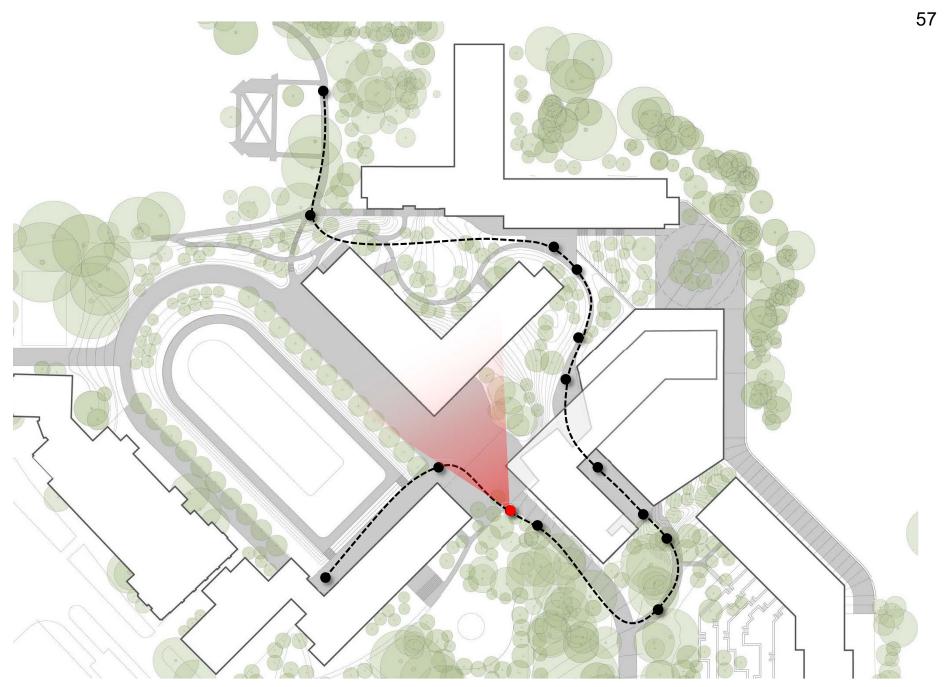






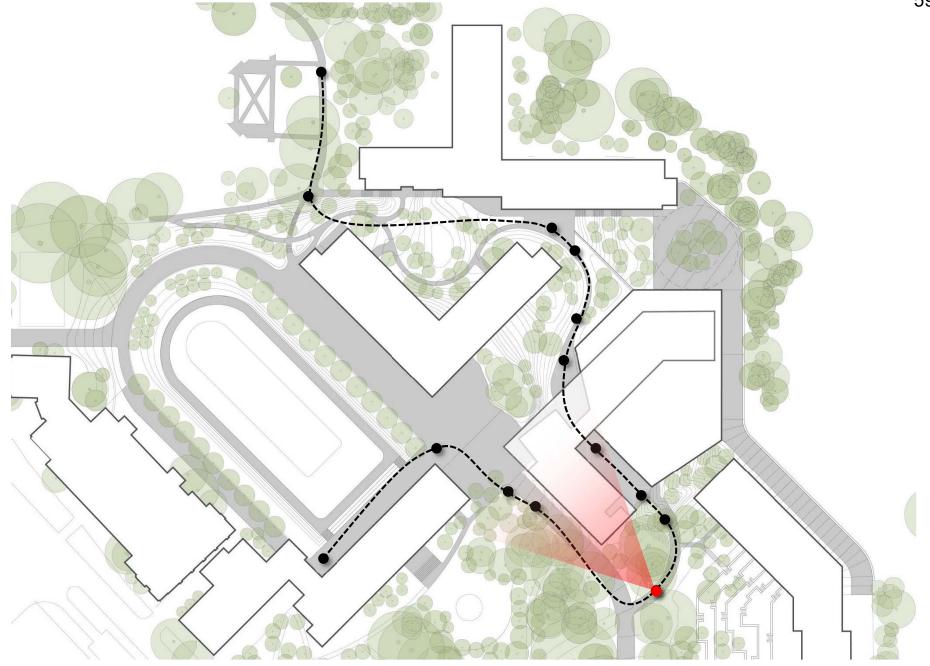




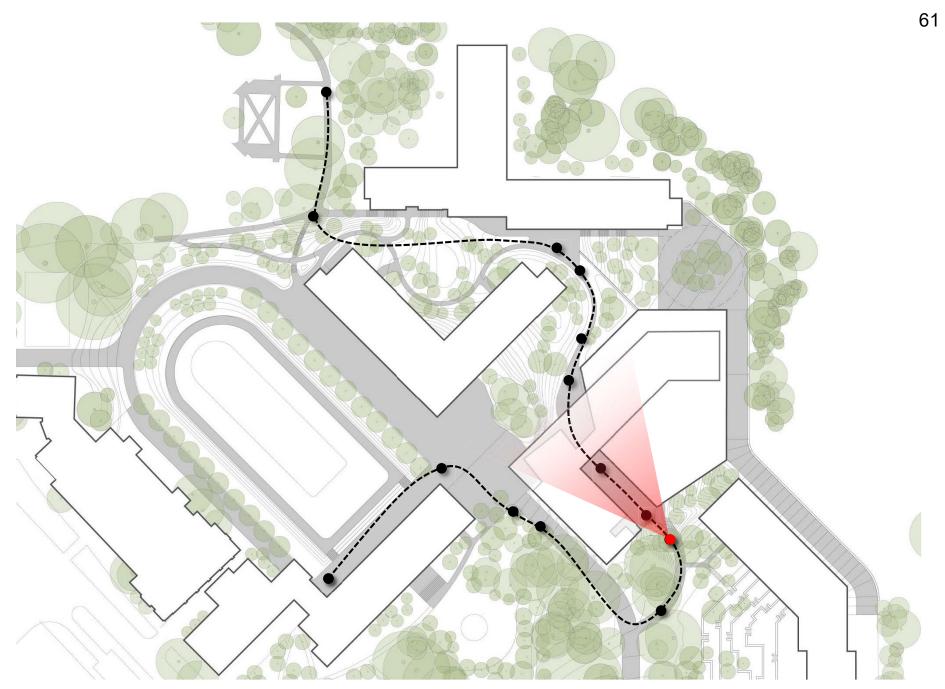






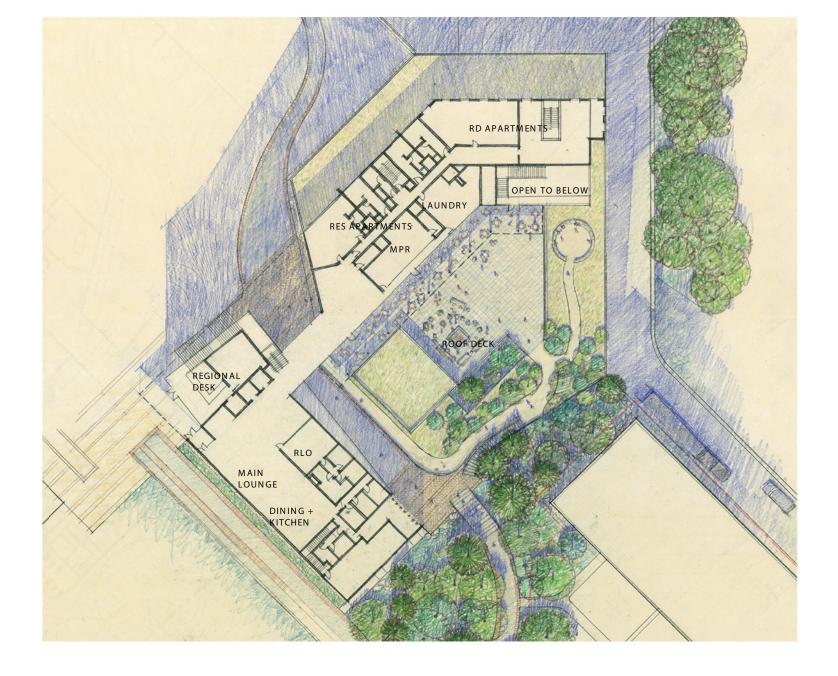




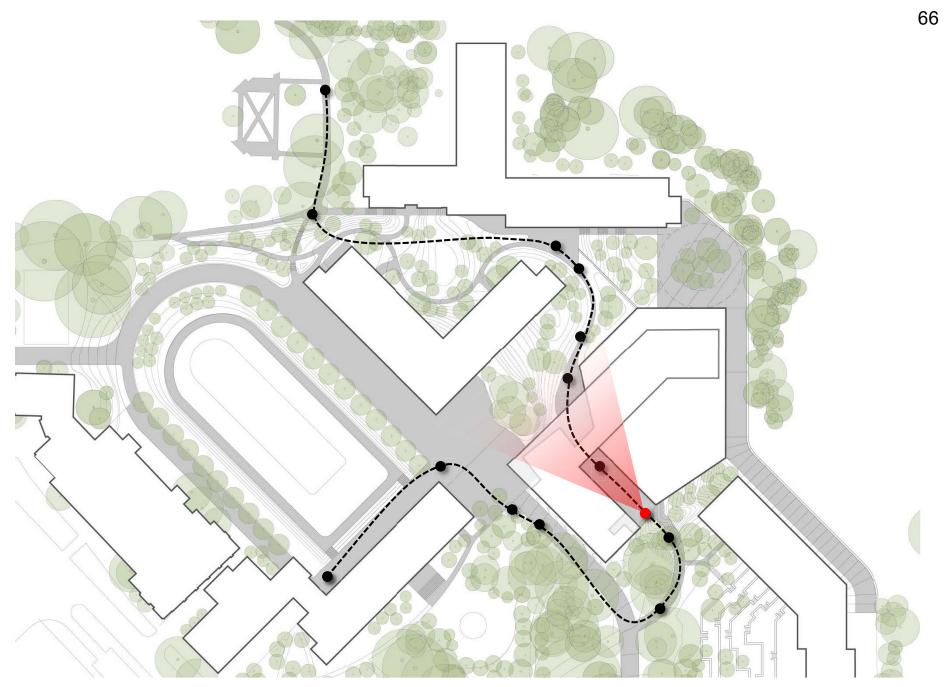




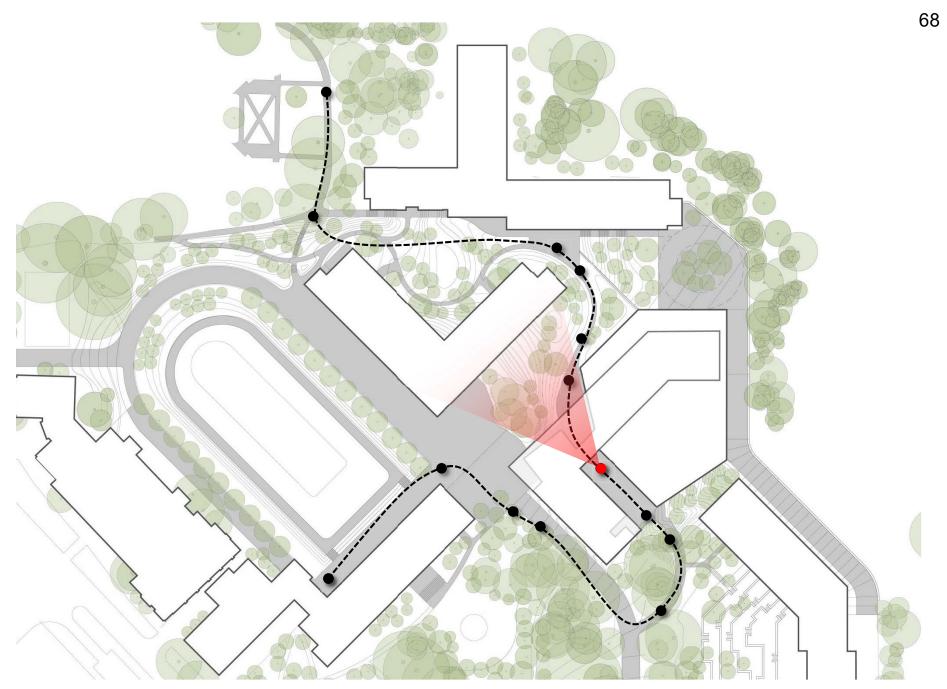




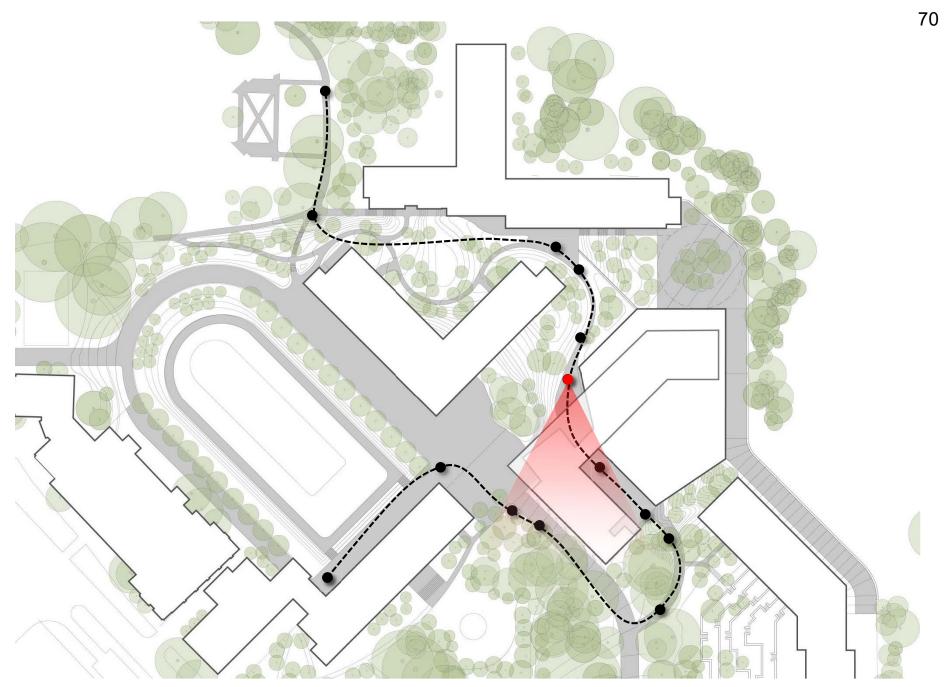




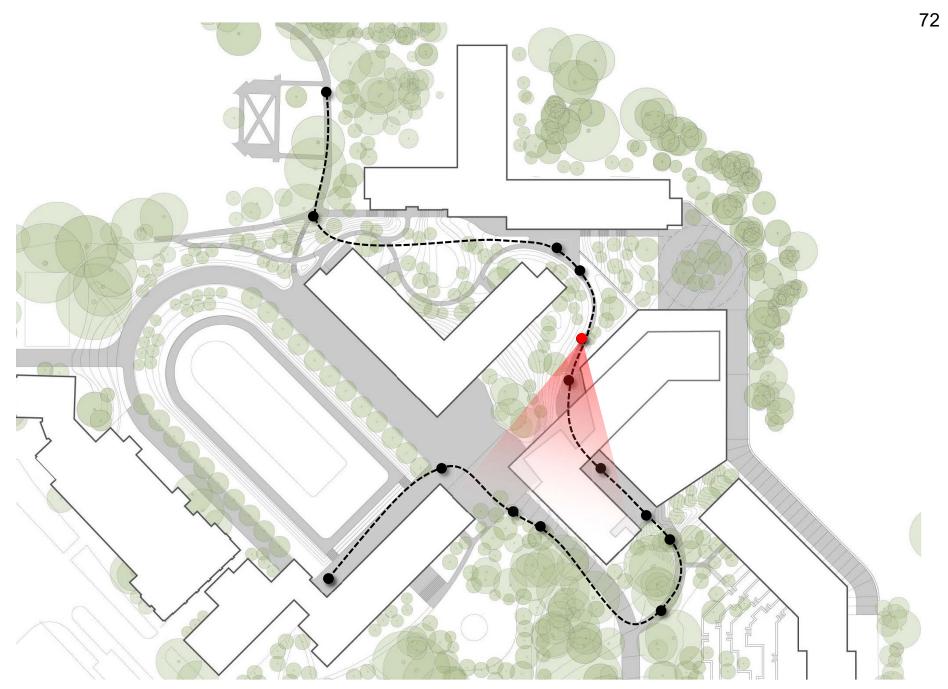


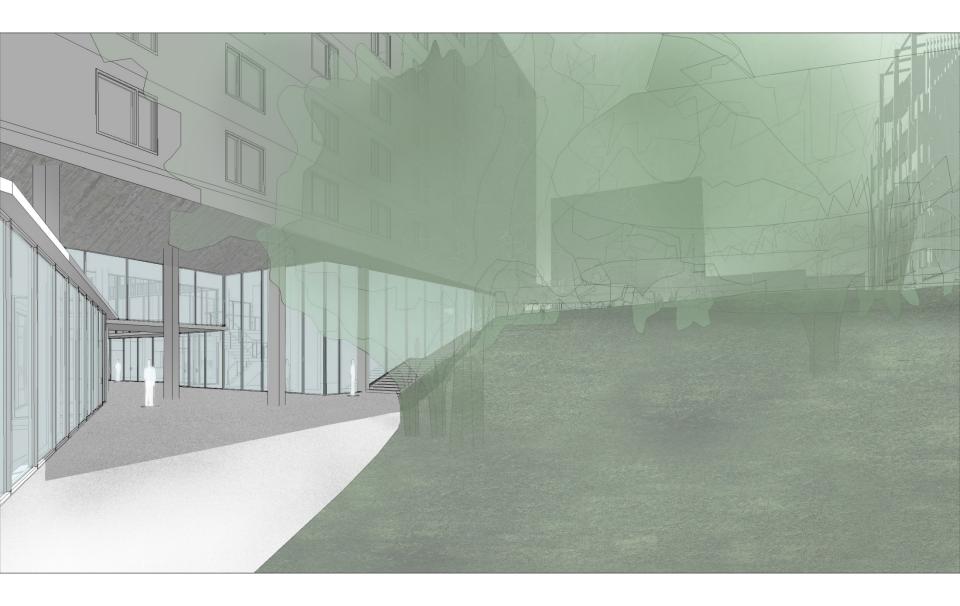


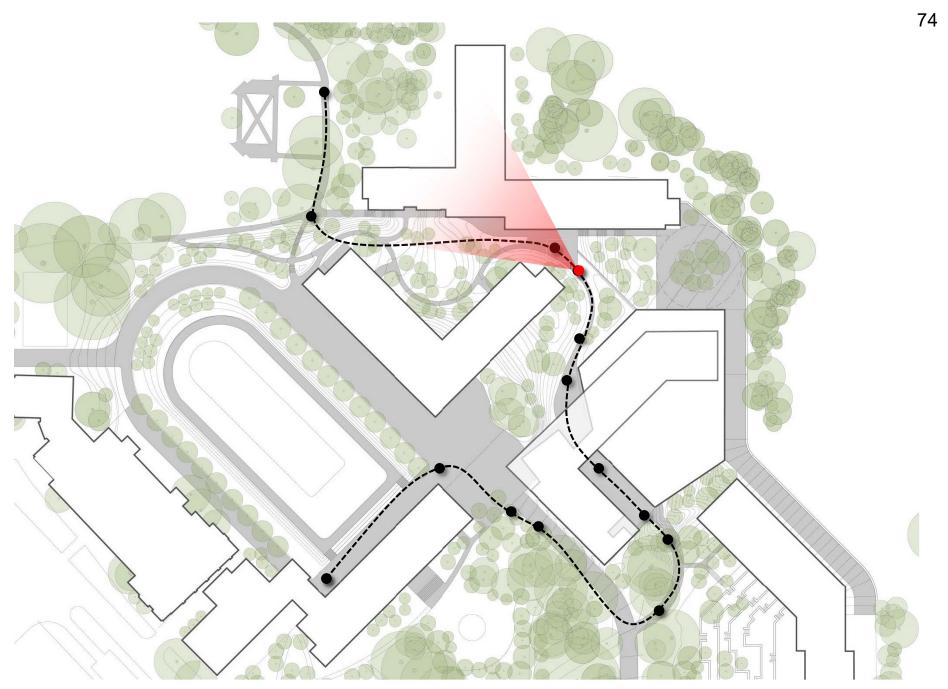




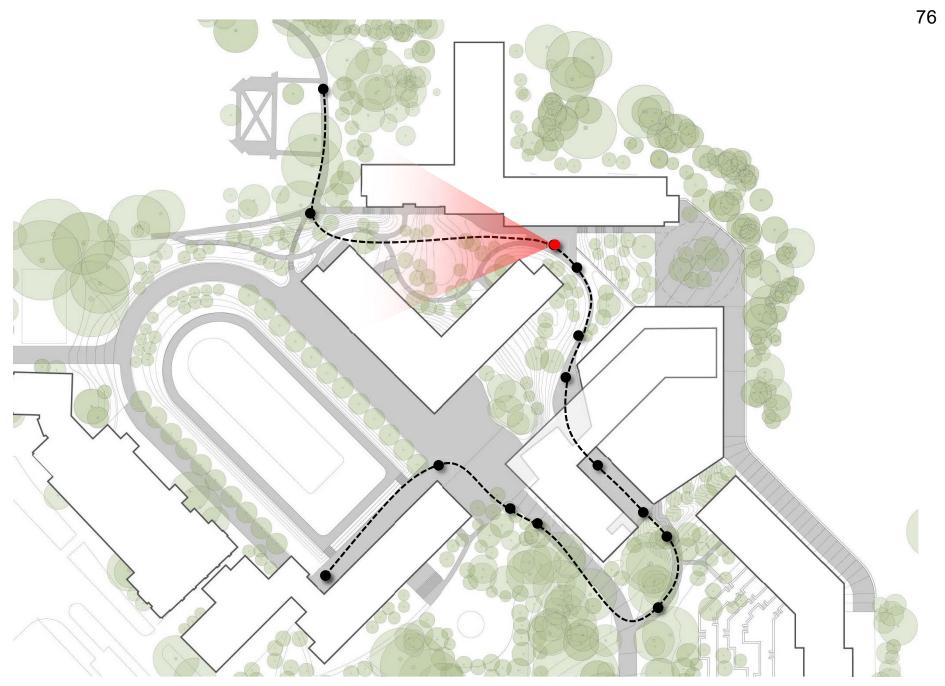




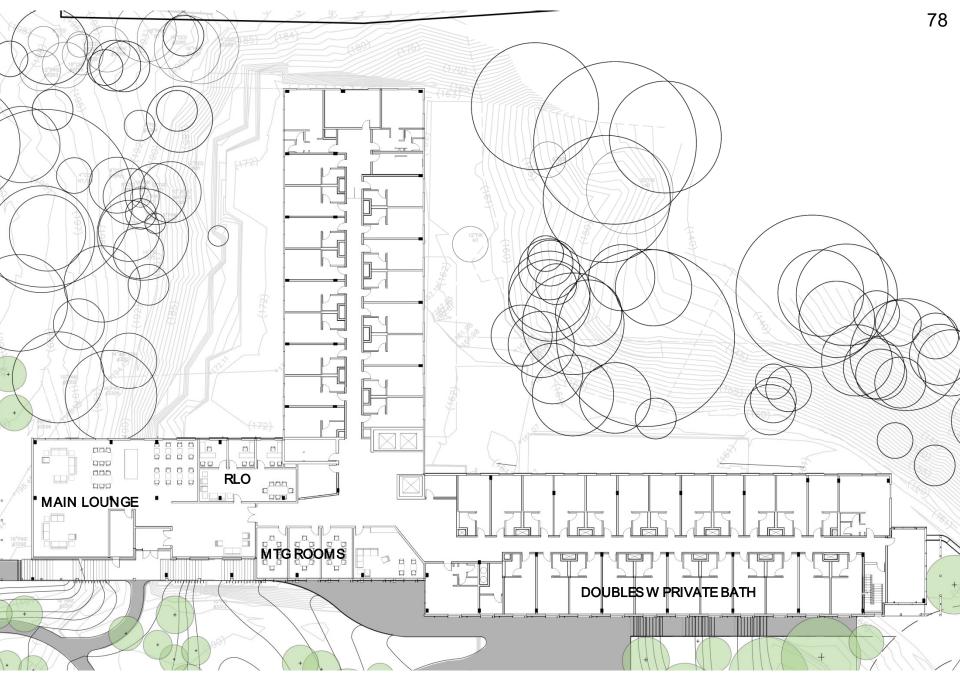


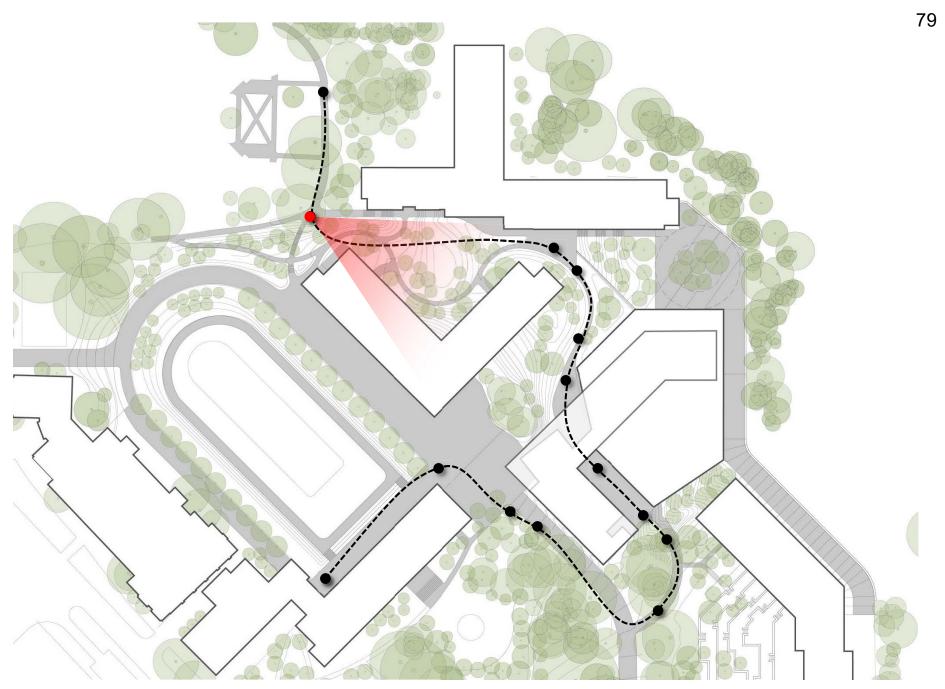




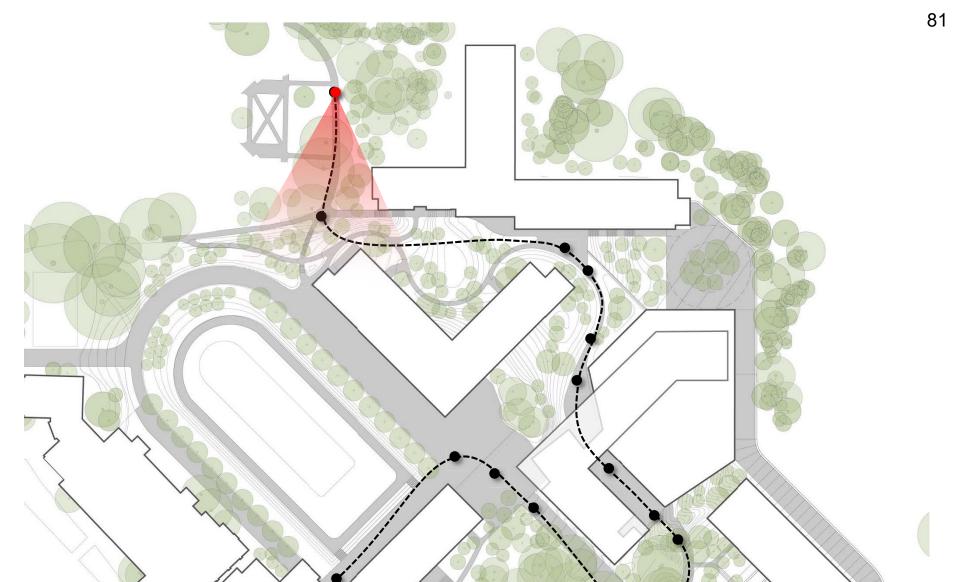






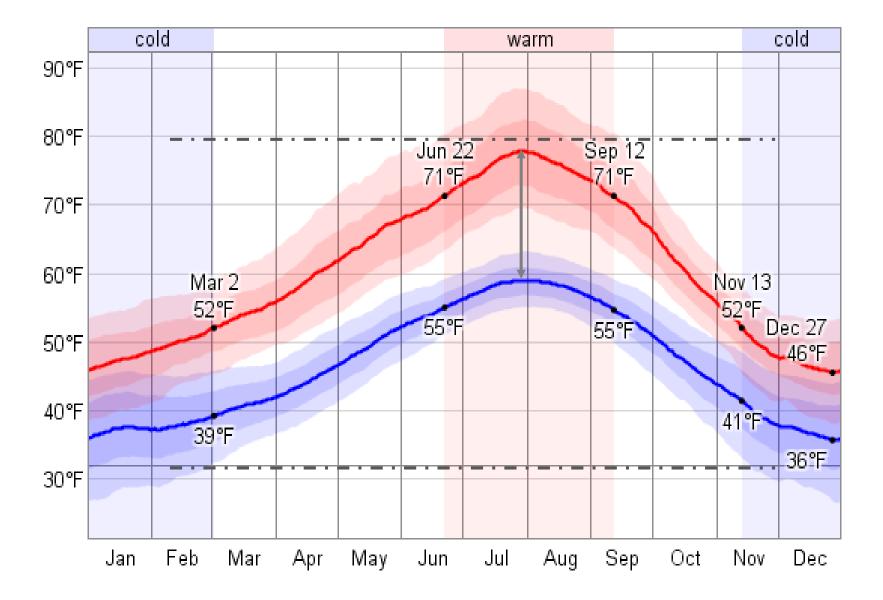


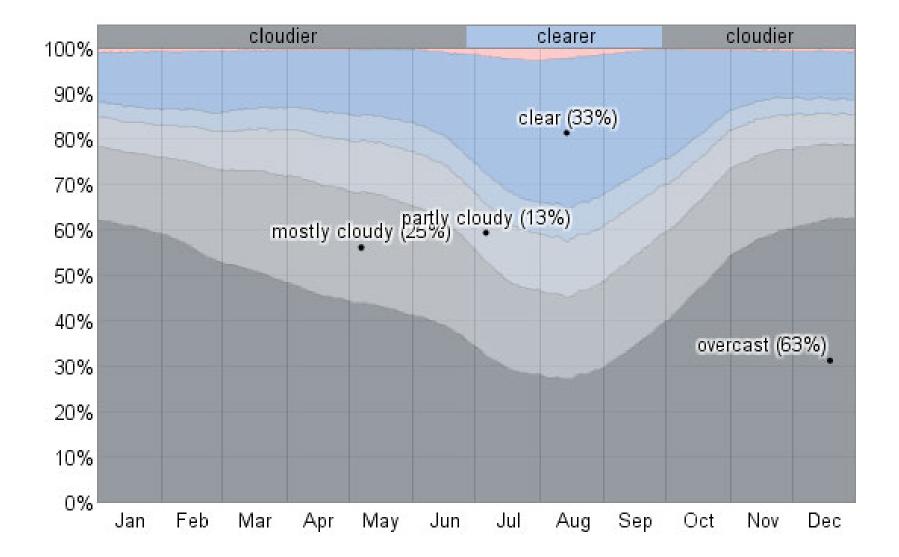


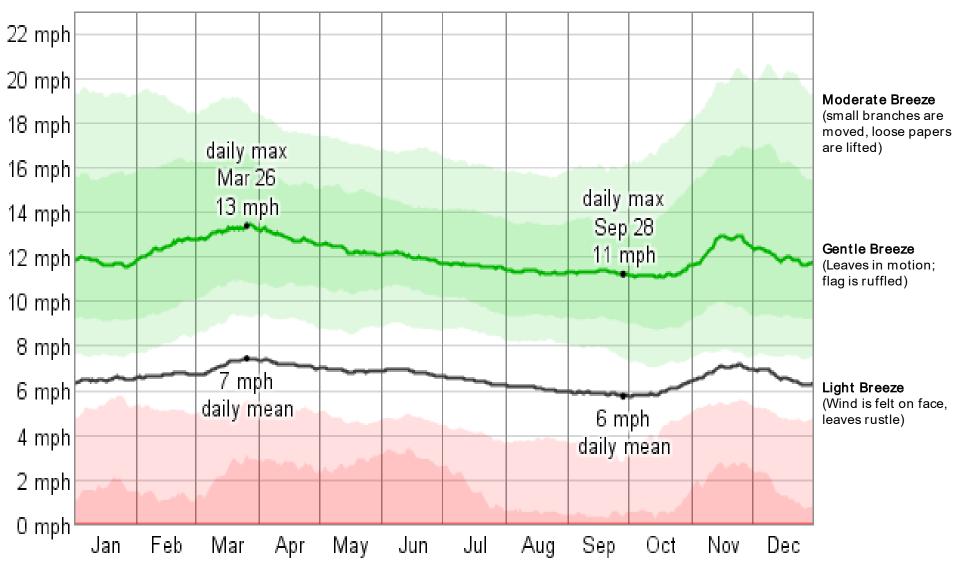


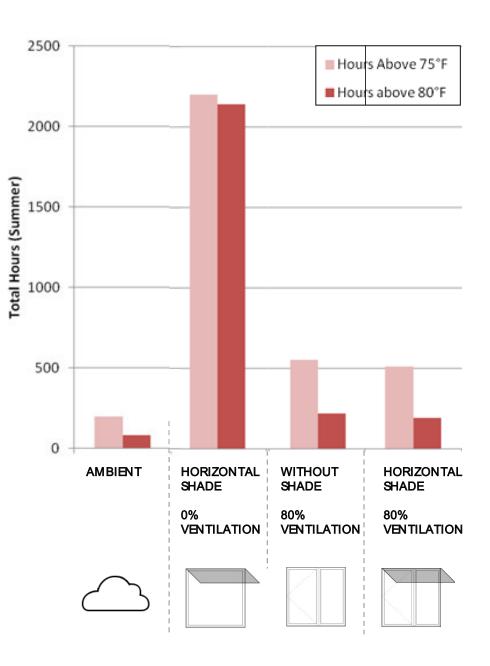


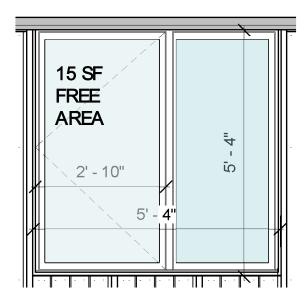












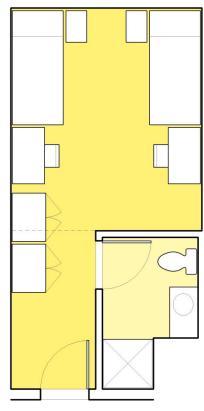
PROPOSED NORTH CAMPUS WINDOW TYPOLOGY

- · Use largest casement size to available to maximize free area
- Use insect screens to encourage window use and decrease rain intrusion
- Educate residents on window optimization
- Omit metal clad "post" between window units for envelope efficiency

ADDITIONAL MEANS OF IMPROVEMENT

- Specify higher solar heat gain coefficient on south and southwest elevations
- Add more operable window(s) to higher occupancy rooms
- Add solar shading at rooms with expected higher thermal discomfort



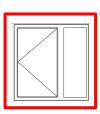


















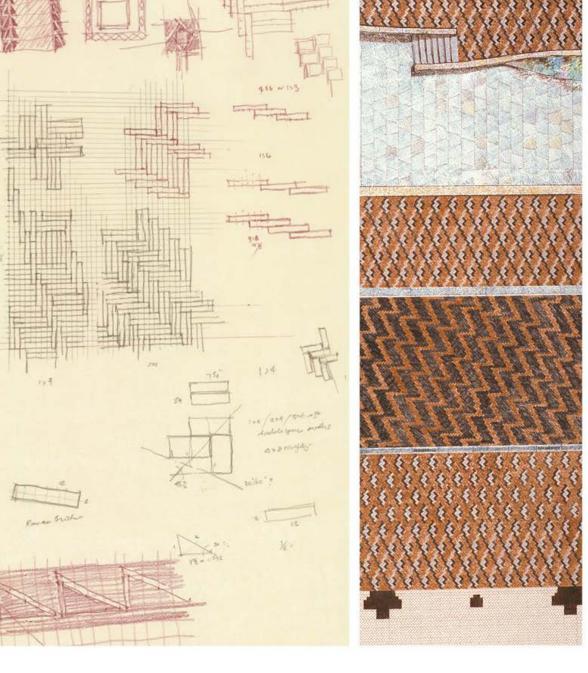






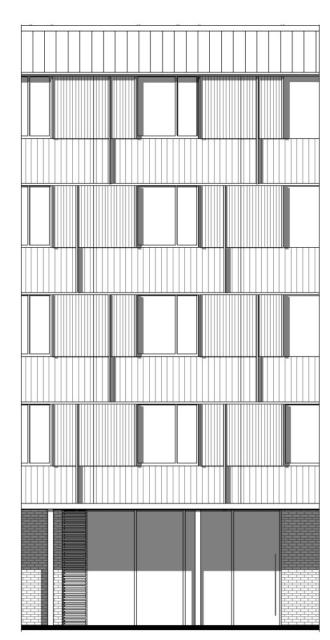








NEZ PIERCE c. 1870

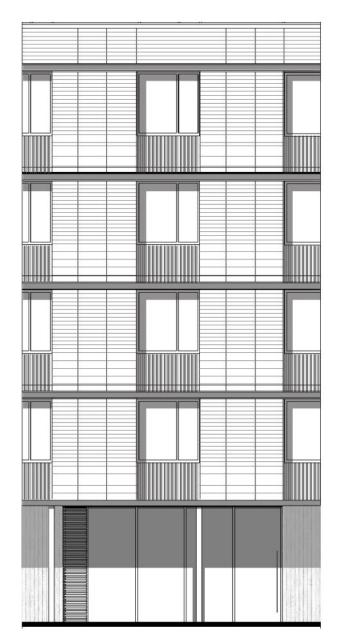










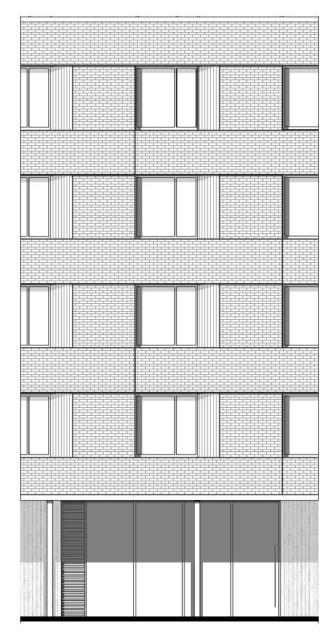










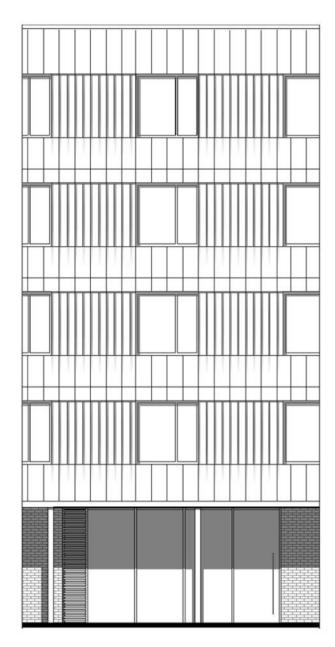










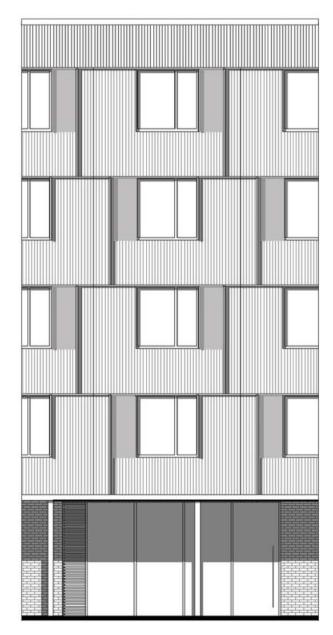
















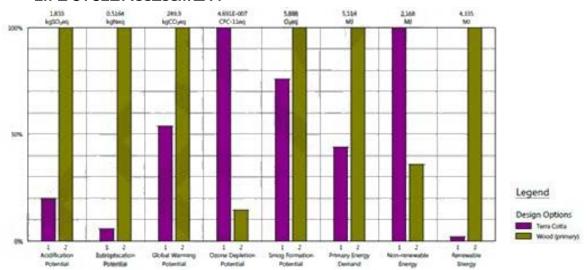




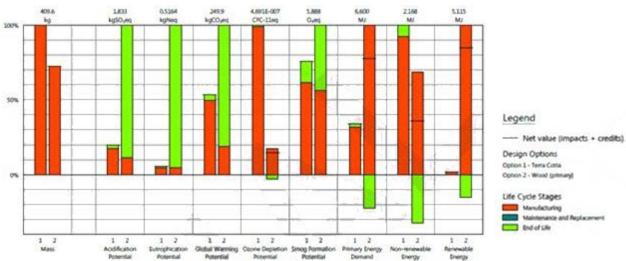




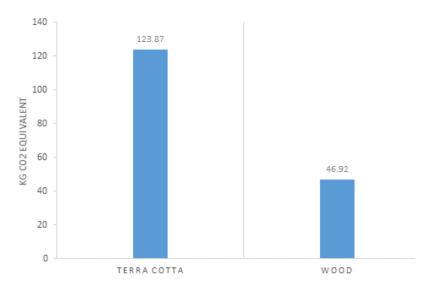
LIFE CYCLE ASSESSMENT



ANALYSIS OF LIFE CYCLE STAGES



GLOBAL WARMING POTENTIAL



ENERGY DEMAND

