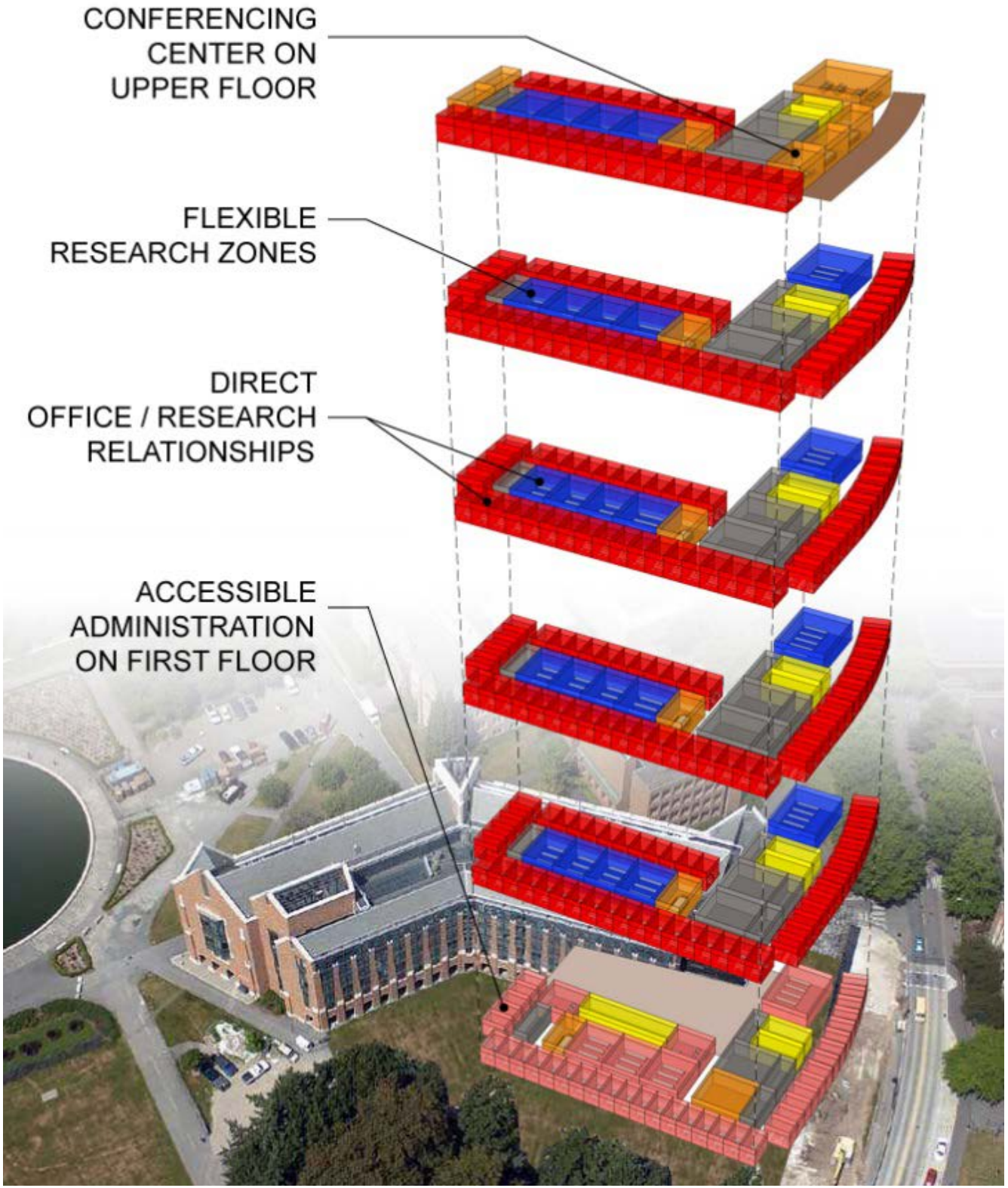
University
of Washington

Computer Science & Engineering Building II

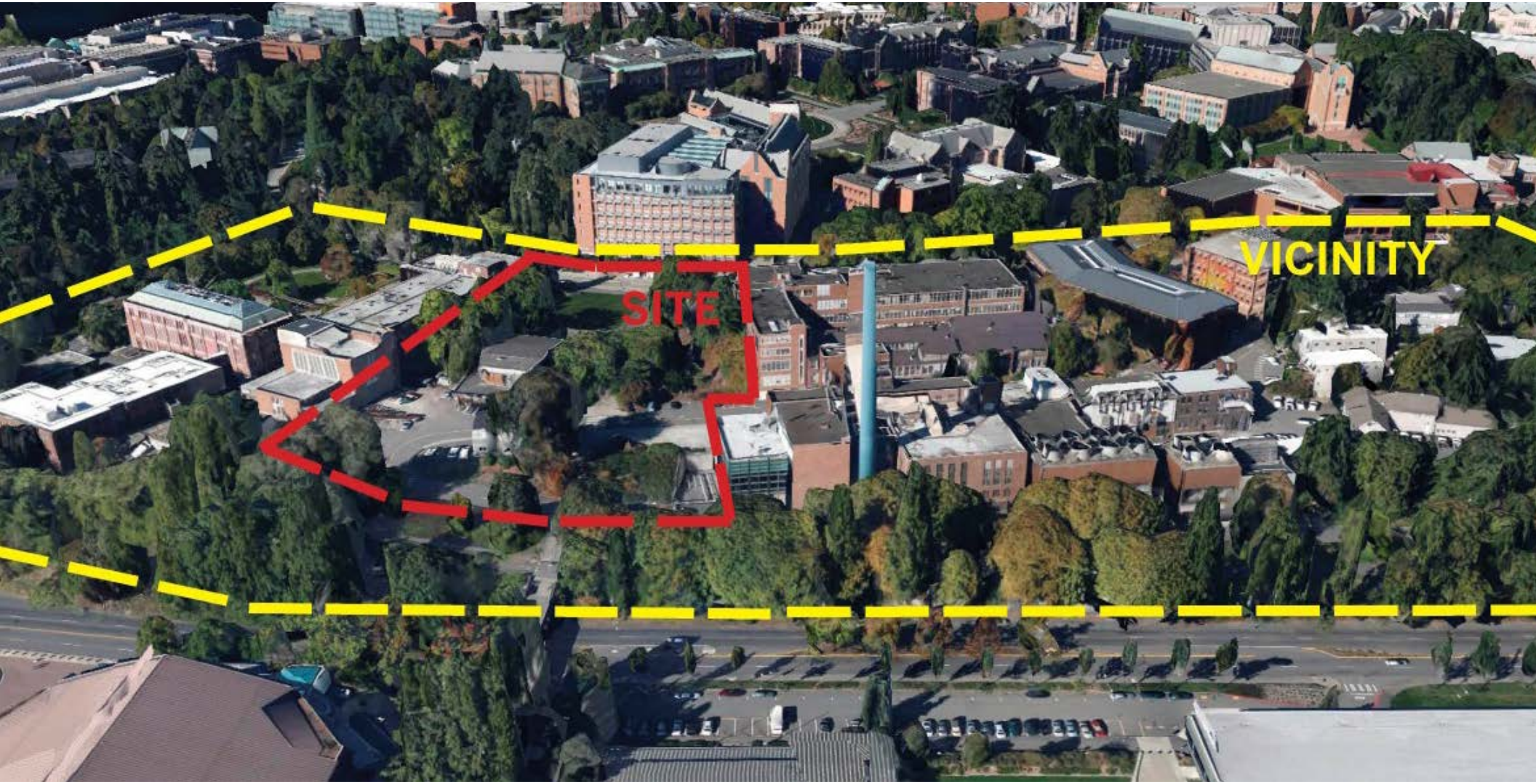
LMN Architecture
Urban Design
Interiors

PROJECT GOALS

- Create a Unified Complex for Computer Science & Engineering
- Provide Qualitative Parity
- Foster Collaboration Among Faculty, Students and Staff
- Enhance the Sense of Community for CSE Undergrads
- Provide Flexible Instructional and Research Spaces
- Maximize Natural Daylight
- Create Multiple Secure Zones
- Enhance Campus Connections & Landscape


CONFERENCING CENTER ON UPPER FLOOR
FLEXIBLE RESEARCH ZONES
DIRECT OFFICE / RESEARCH RELATIONSHIPS
ACCESSIBLE ADMINISTRATION ON FIRST FLOOR

MICROSOFT ATRIUM


SITE
VICINITY

Campus Landscape Framework

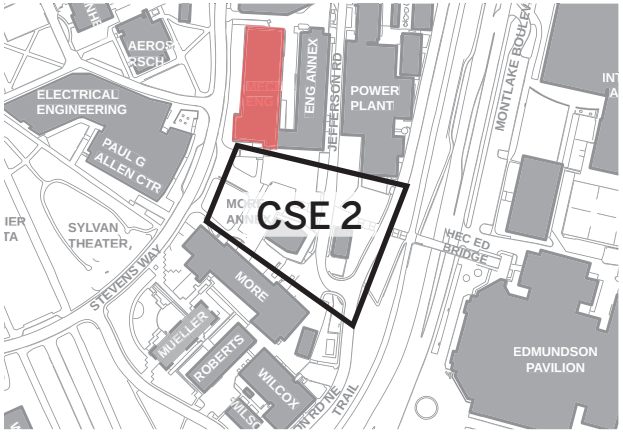
Landscape Mosaic

Existing Circulation - Radial Axes

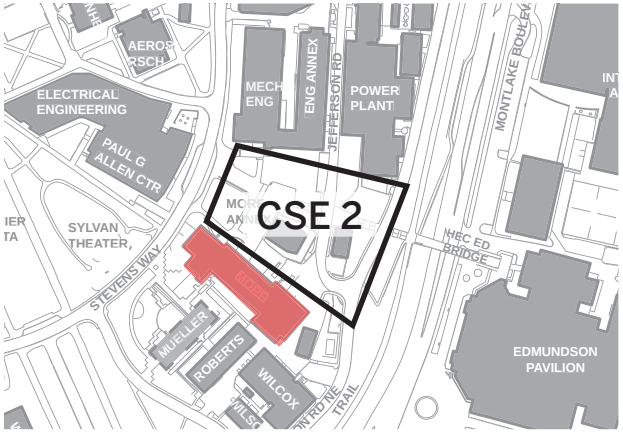
Circulation Mosaic

Existing Circulation - Concentric Edges

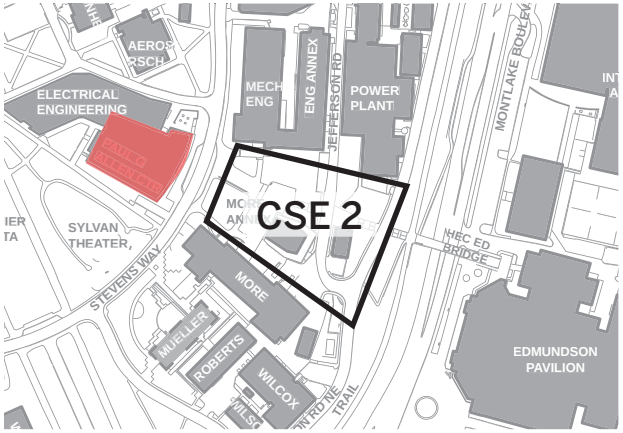
Mechanical Engineering



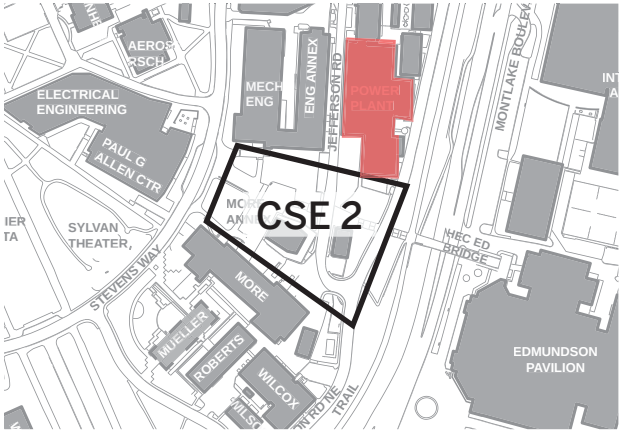
More Hall

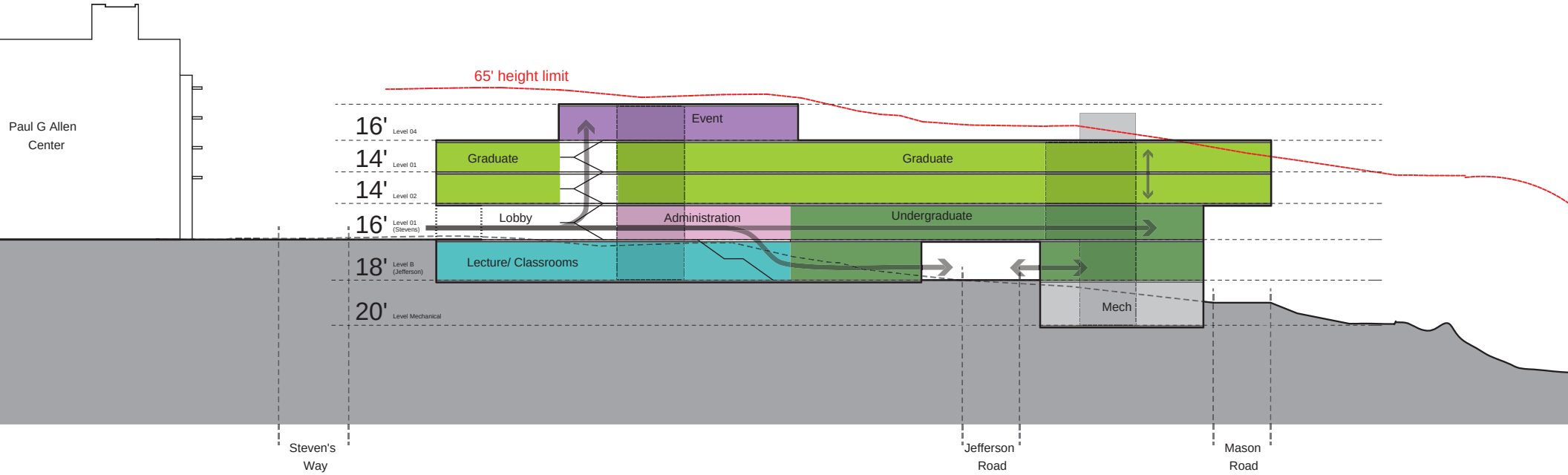

ELECTRICAL ENGINEERING
PAUL G ALLEN CTR
SYLVAN THEATER
STEVENS WAY
MECH ENG
ENG ANNEX
POWER PLANT
JEFFERSON RD
MONTLAKE BOULEVARD
CSE 2
MUELLER
ROBERTS
WILCOX
EDMUNDSON PAVILION

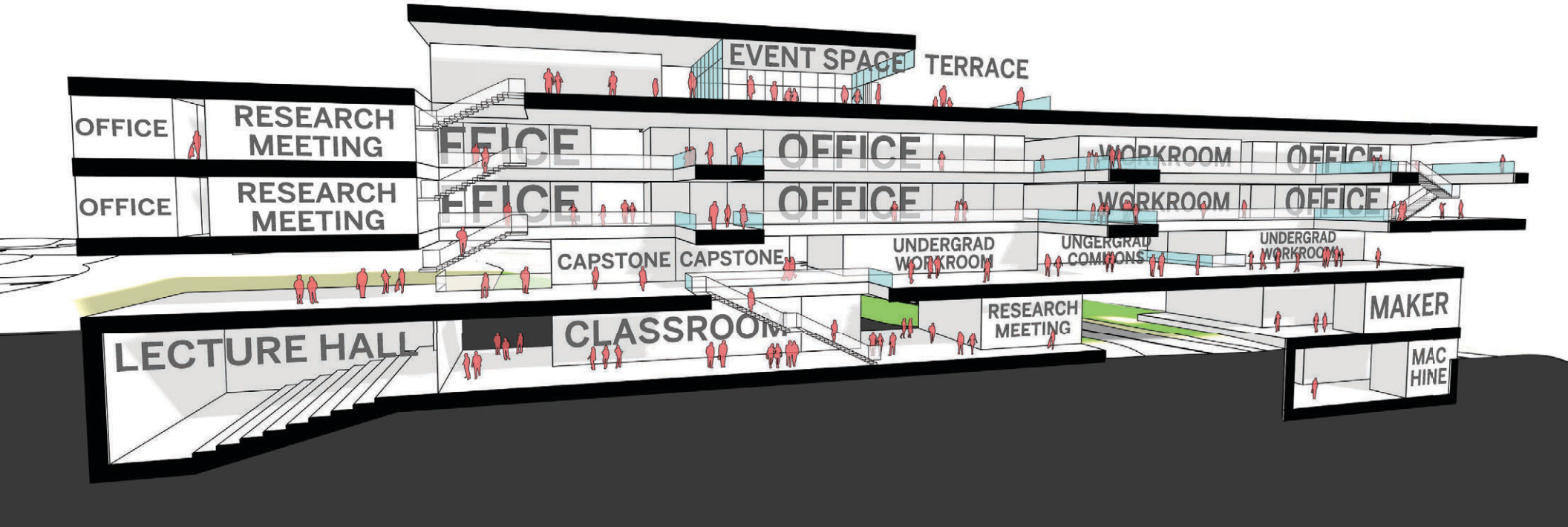
Paul G. Allen Center

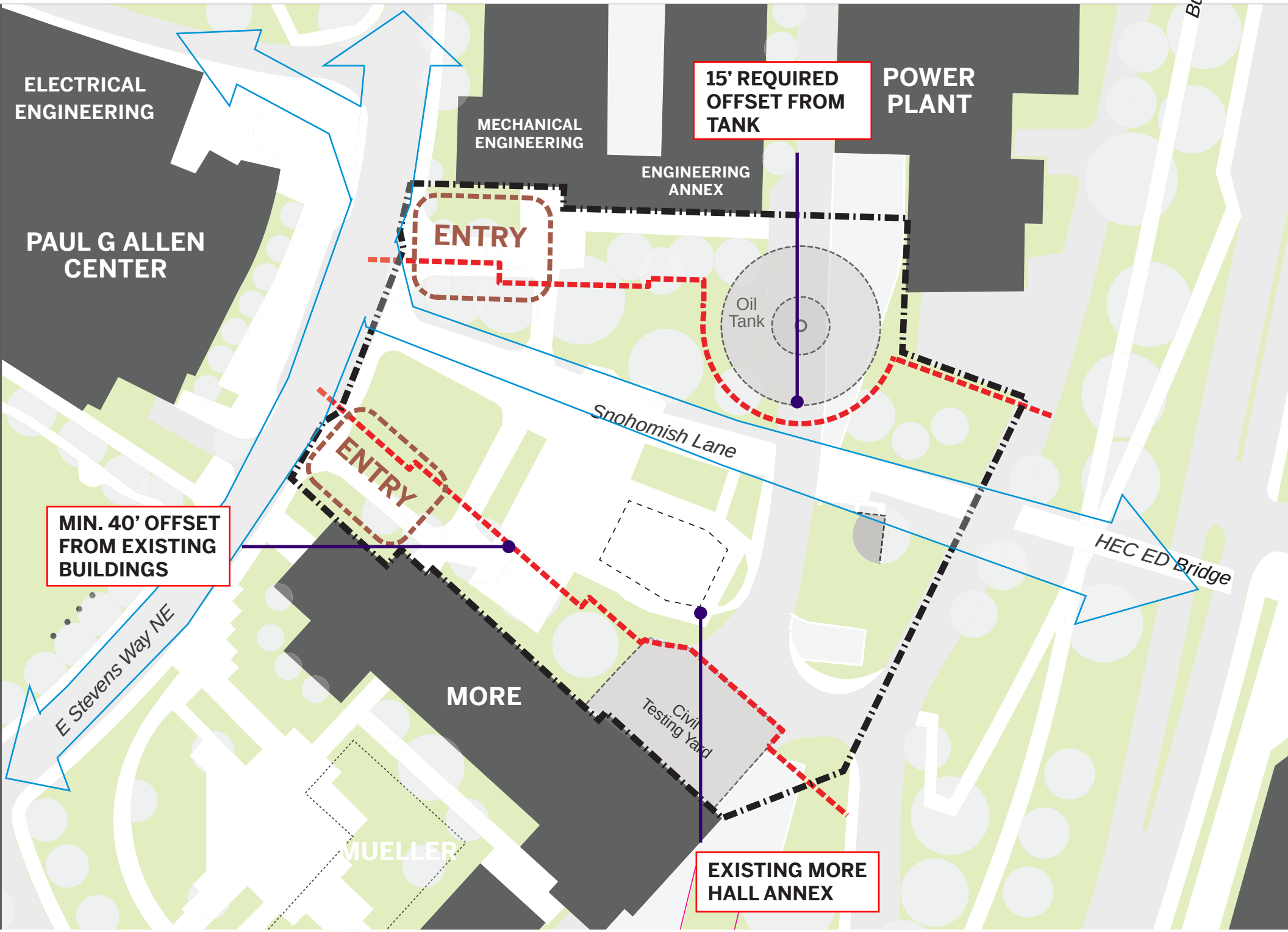


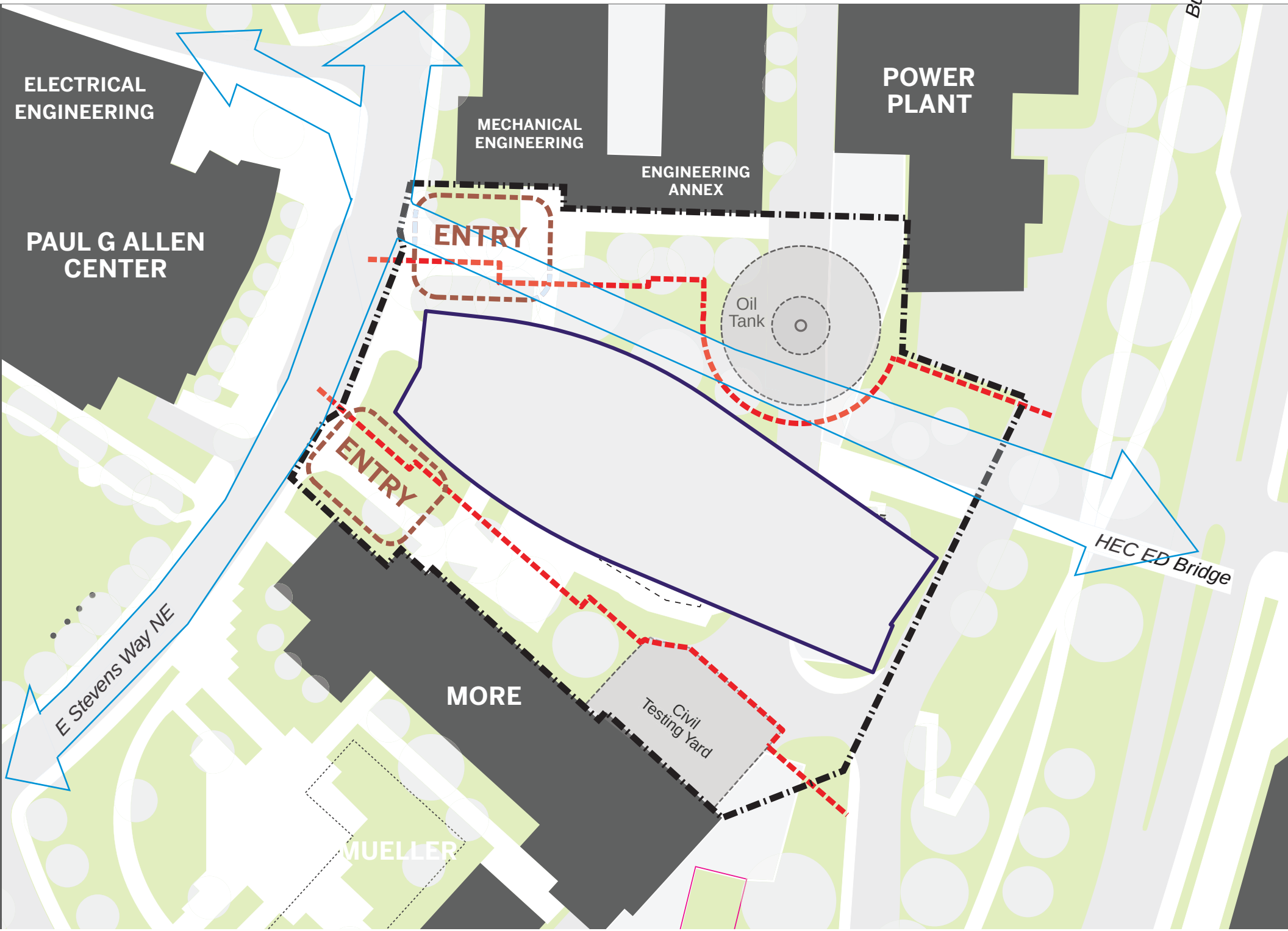
Power Plant

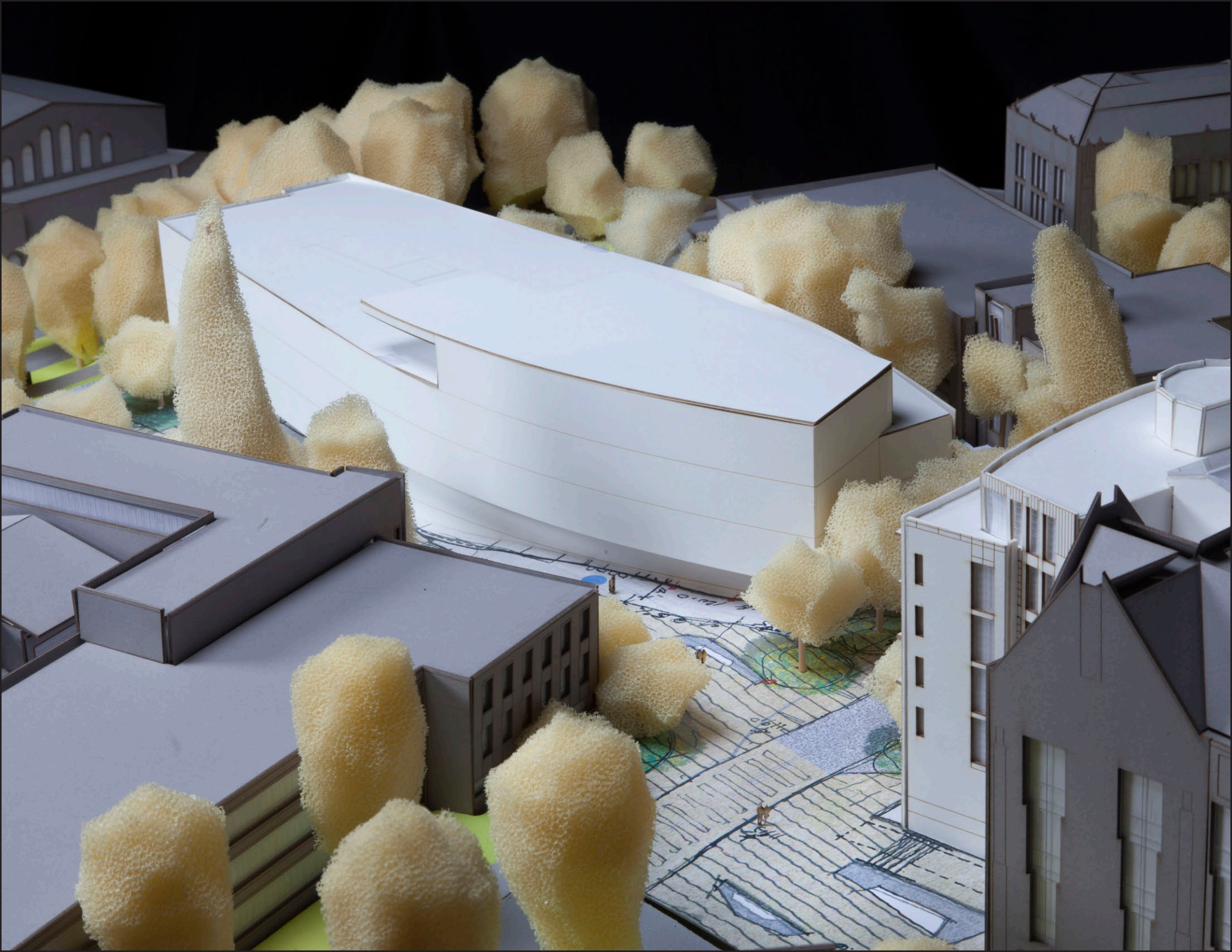

ELECTRICAL ENGINEERING
PAUL G ALLEN CTR
SYLVAN THEATER
STEVENS WAY
MECH ENG
ENG ANNEX
JEFFERSON RD
POWER PLANT
MONTLAKE BOULEVARD
CSE 2
MORE
MUELLER
ROBERTS
WILCOX
EDMUNDSON PAVILION

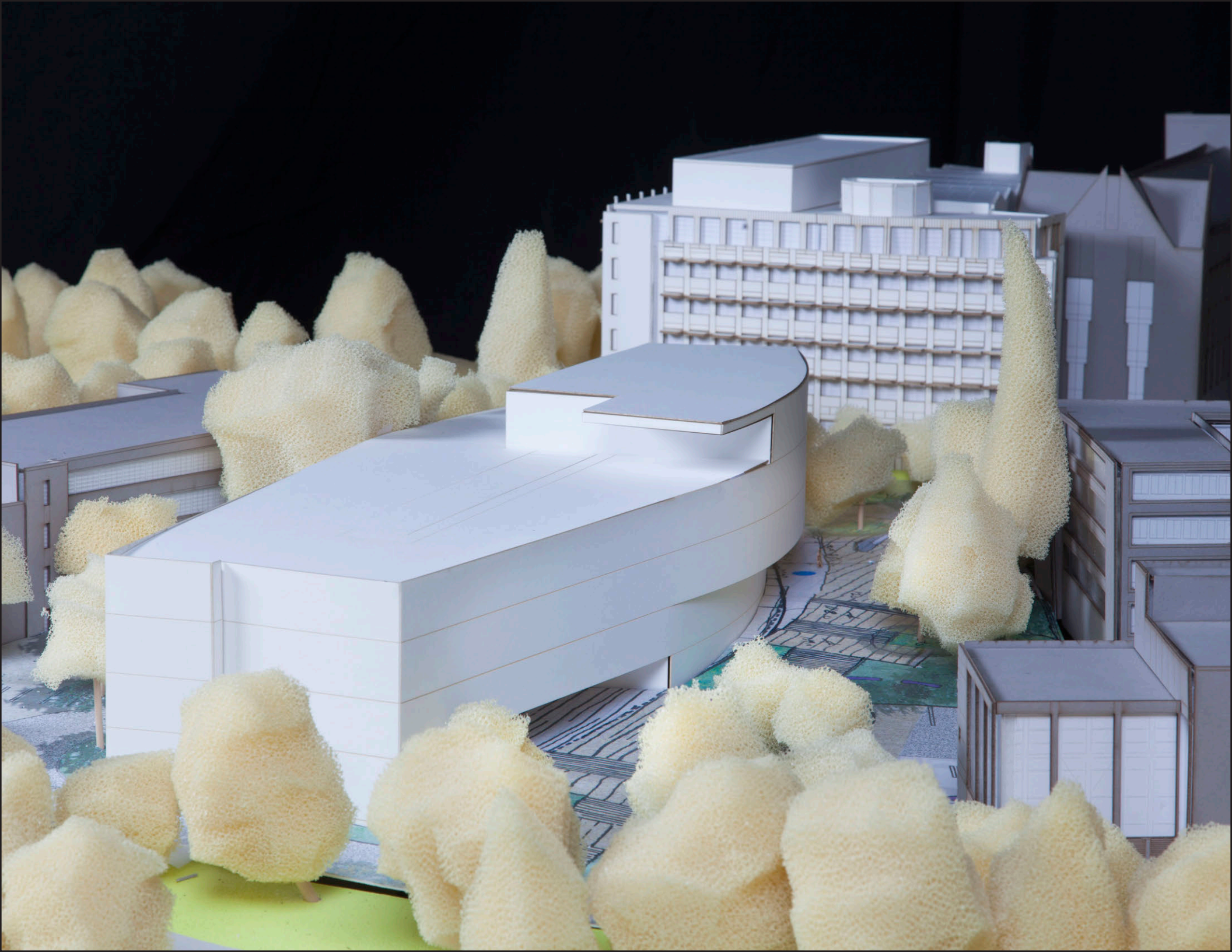

65' height limit
Paul G Allen Center
16' Level 04
14' Level 01
14' Level 02
16' Level 01 (Stevens)
18' Level B (Jefferson)
20' Level Mechanical
Event
Graduate
Graduate
Lobby
Administration
Undergraduate
Lecture/ Classrooms
Mech
Steven's Way
Jefferson Road
Mason Road


EVENT SPACE
TERRACE
OFFICE
RESEARCH MEETING
OFFICE
OFFICE
WORKROOM
OFFICE
OFFICE
RESEARCH MEETING
OFFICE
OFFICE
WORKROOM
OFFICE
CAPSTONE
CAPSTONE
UNDERGRAD WORKROOM
UNDERGRAD COMMONS
UNDERGRAD WORKROOM
LECTURE HALL
CLASSROOM
RESEARCH MEETING
MAKER
MAC HINE


ELECTRICAL ENGINEERING
PAUL G ALLEN CENTER
MECHANICAL ENGINEERING
ENGINEERING ANNEX
15' REQUIRED OFFSET FROM TANK
POWER PLANT
ENTRY
Oil Tank
Snohomish Lane
ENTRY
MIN. 40' OFFSET FROM EXISTING BUILDINGS
HEC ED Bridge
E Stevens Way NE
MORE
Civil Testing Yard
MUELLER
EXISTING MORE HALL ANNEX

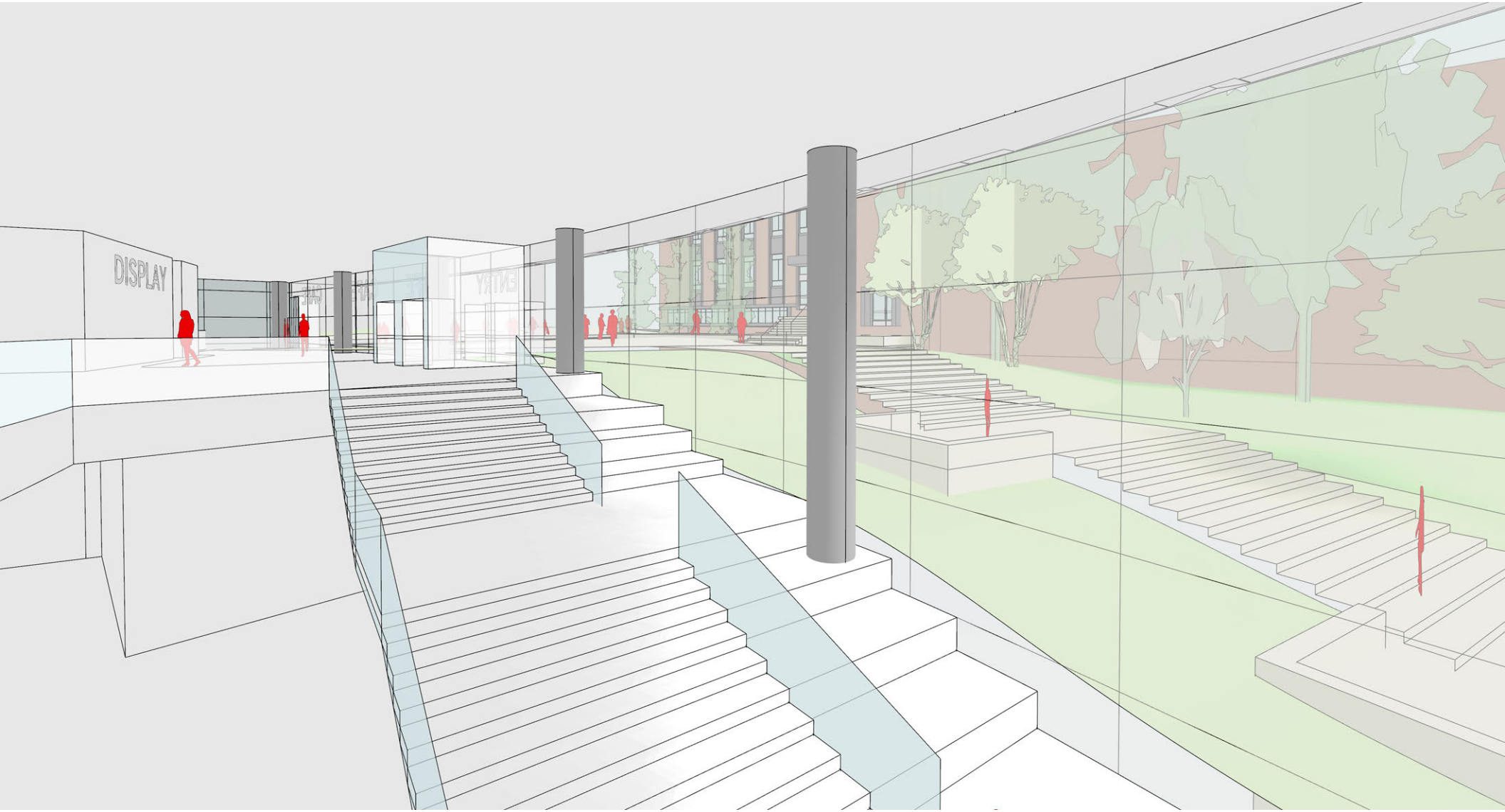

ELECTRICAL ENGINEERING
PAUL G ALLEN CENTER
MECHANICAL ENGINEERING
ENGINEERING ANNEX
POWER PLANT
ENTRY
ENTRY
Oil Tank
Civil Testing Yard
MORE
MUELLER
E Stevens Way NE
HEC ED Bridge





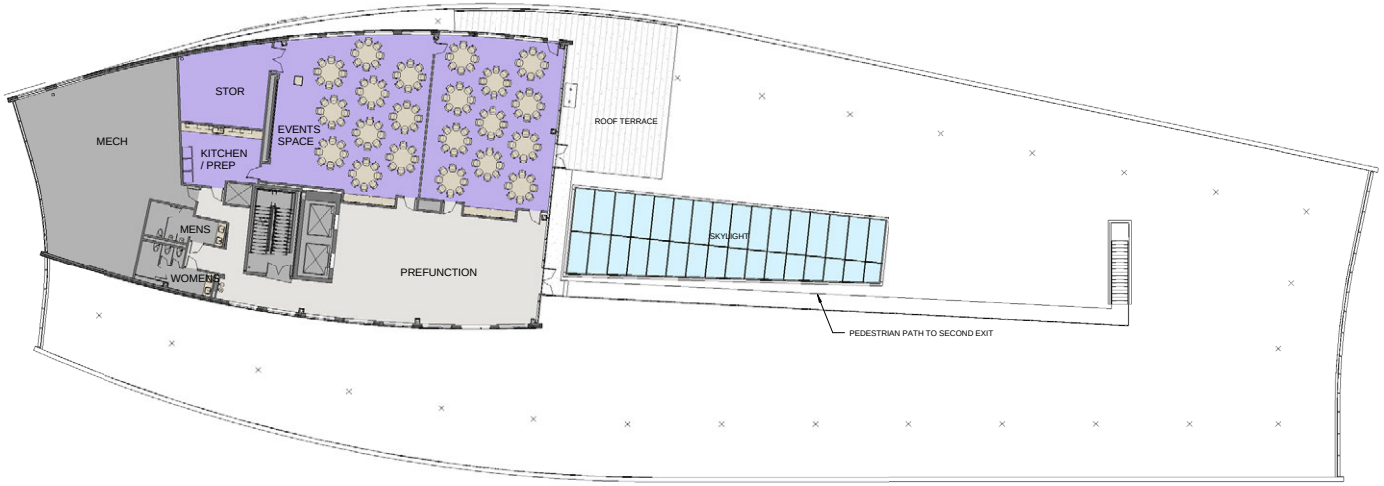
LEVEL 1

GROUND LEVEL


DISPLAY

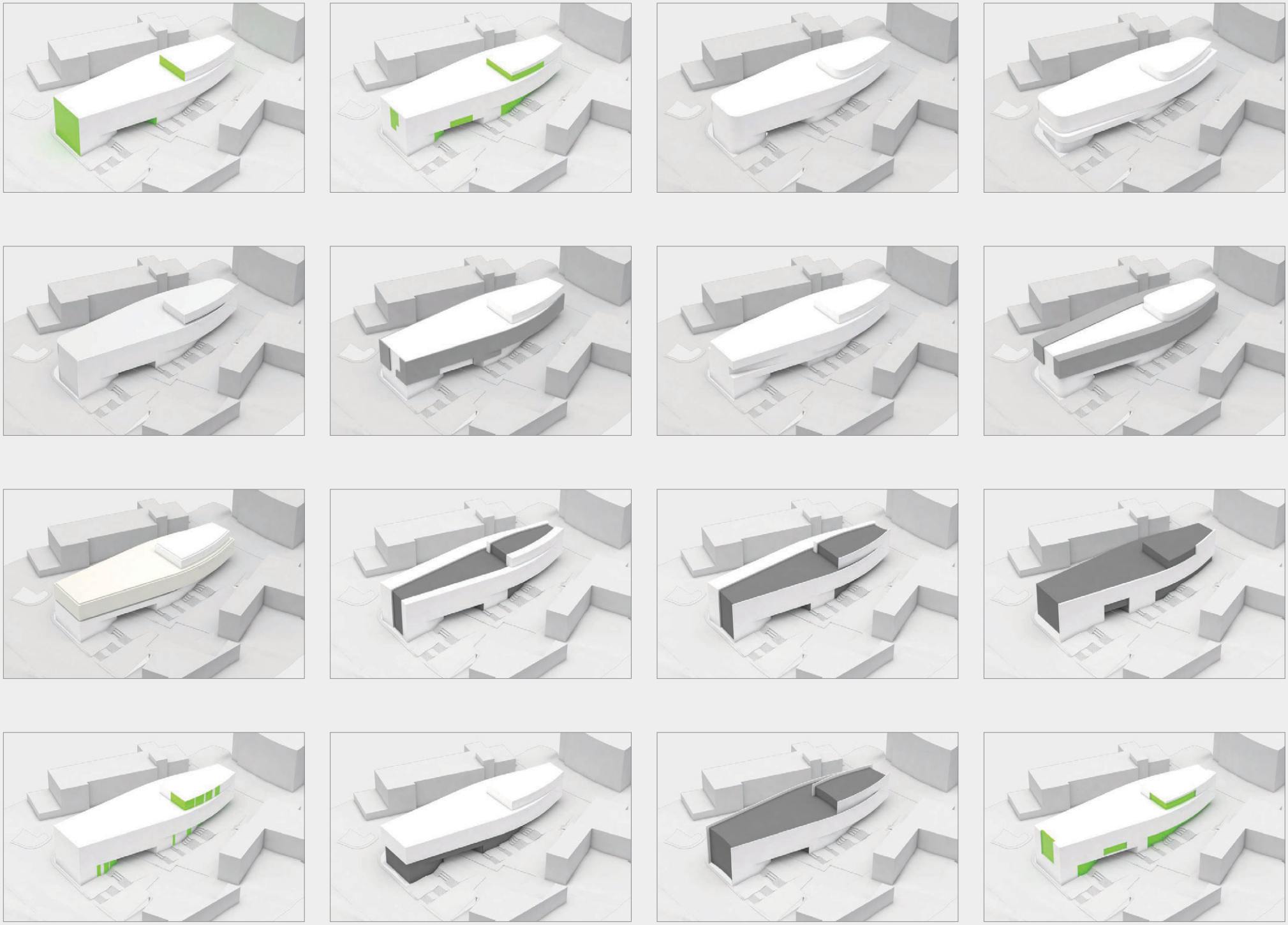
LEVEL 3

LEVEL 2

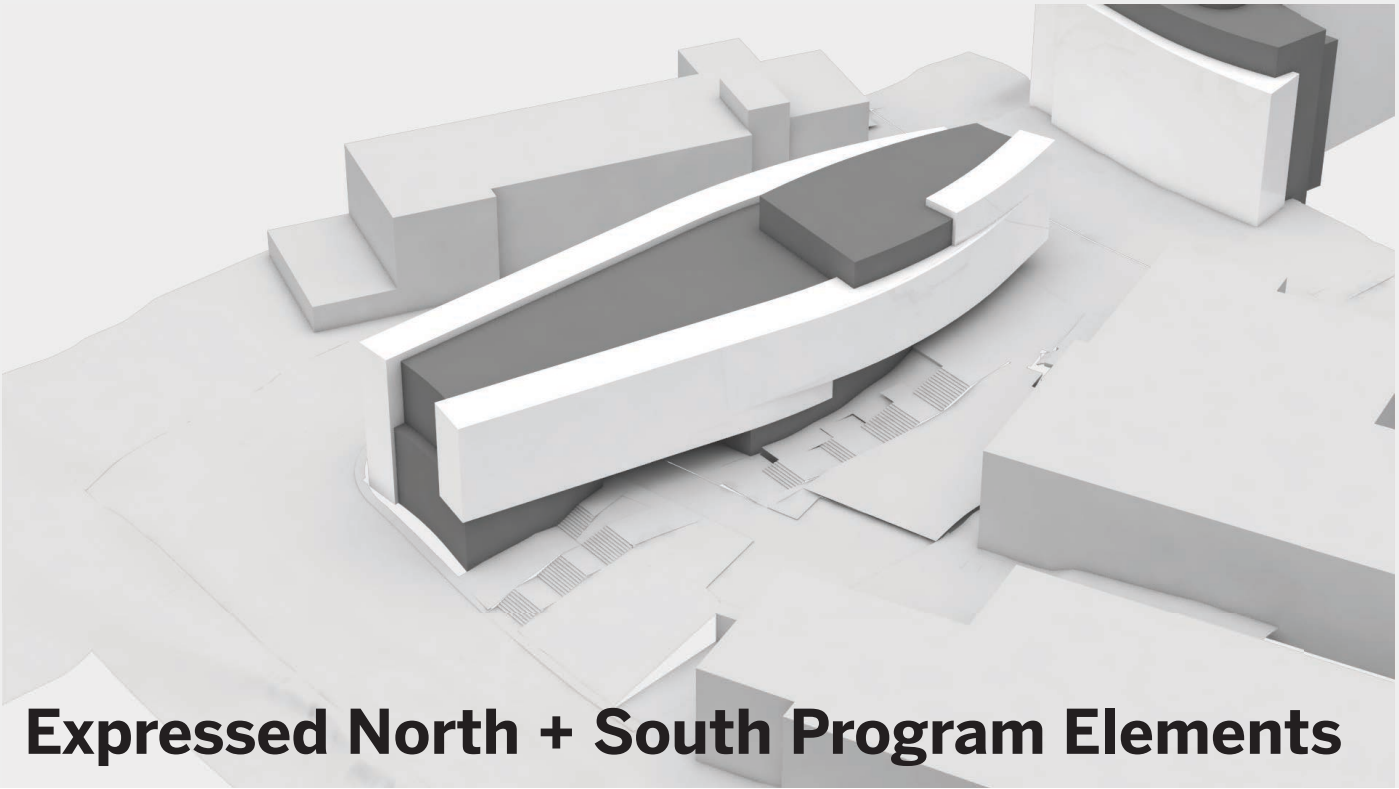

STOR
MECH
EVENTS SPACE
KITCHEN / PREP
ROOF TERRACE
MENS
WOMENS
PREFUNCTION
SKYLIGHT
PEDESTRIAN PATH TO SECOND EXIT

LEVEL 4

VIEW FROM LEVEL 1 MAIN ENTRY

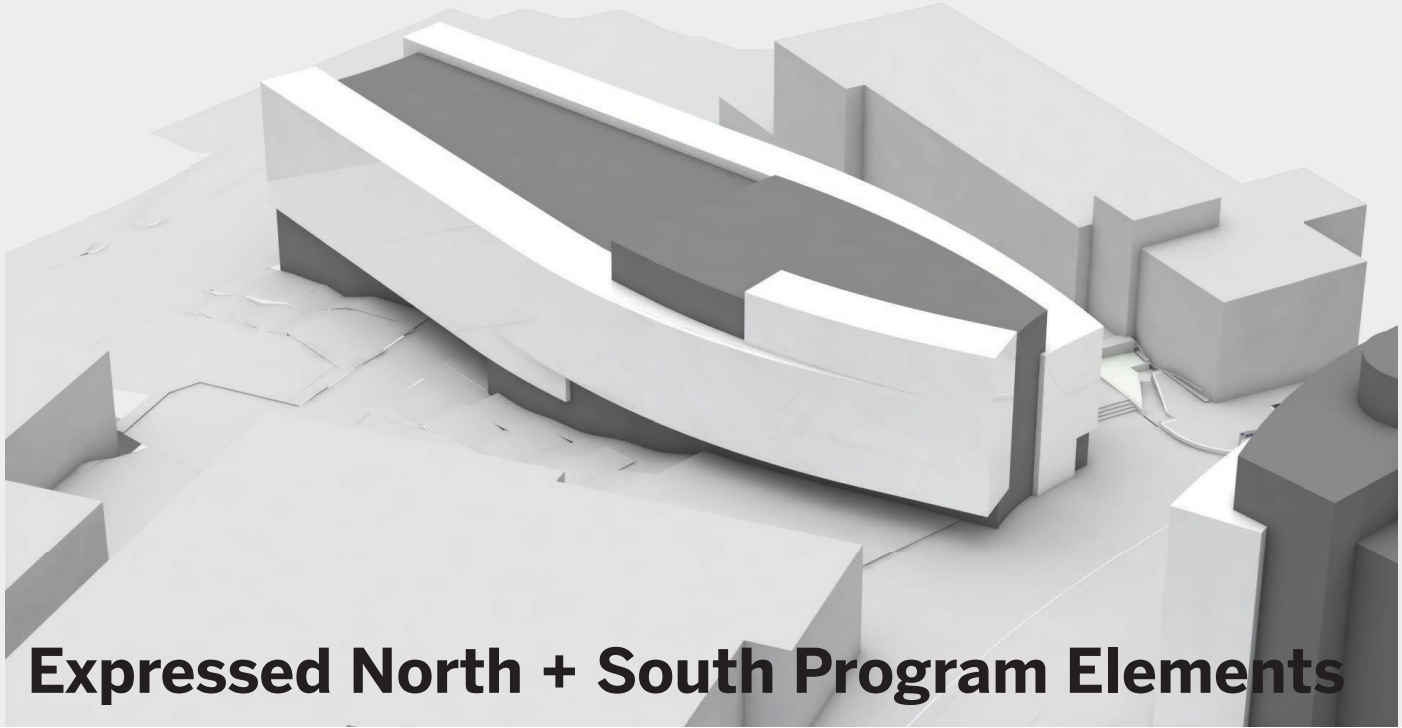


Expressed North + South Skins



Expressed North + South Program Elements

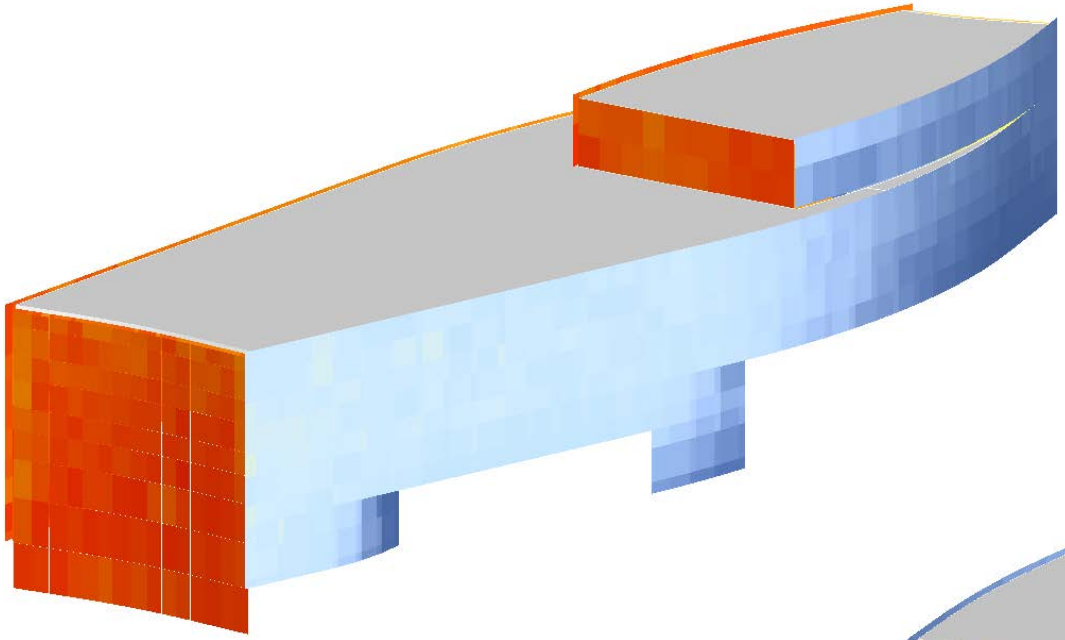
Expressed North + South Skins



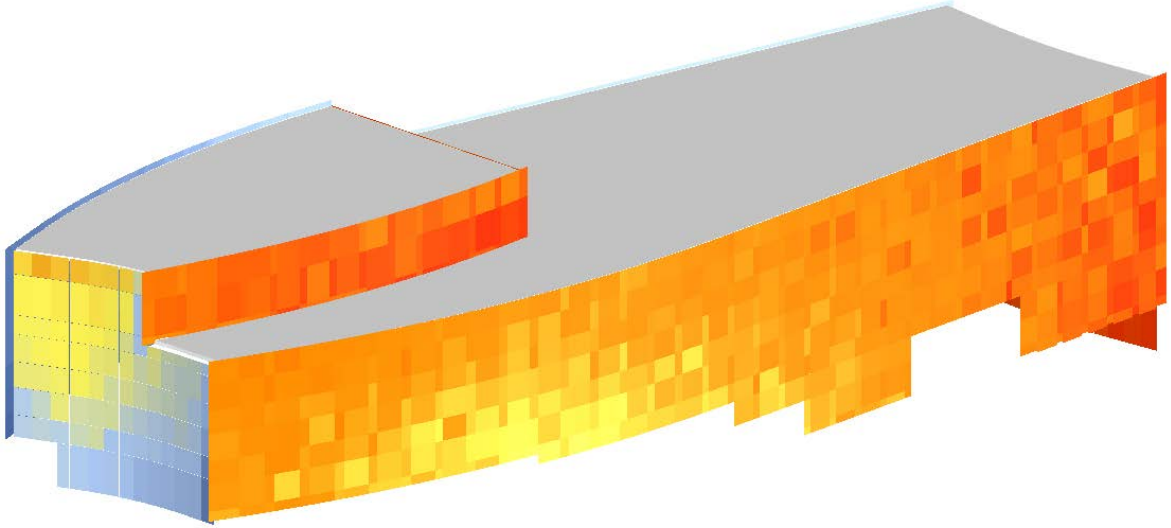
Expressed North + South Program Elements

Solar Radiation on Vertical Building Facades

Cooling load dominated months, June - September



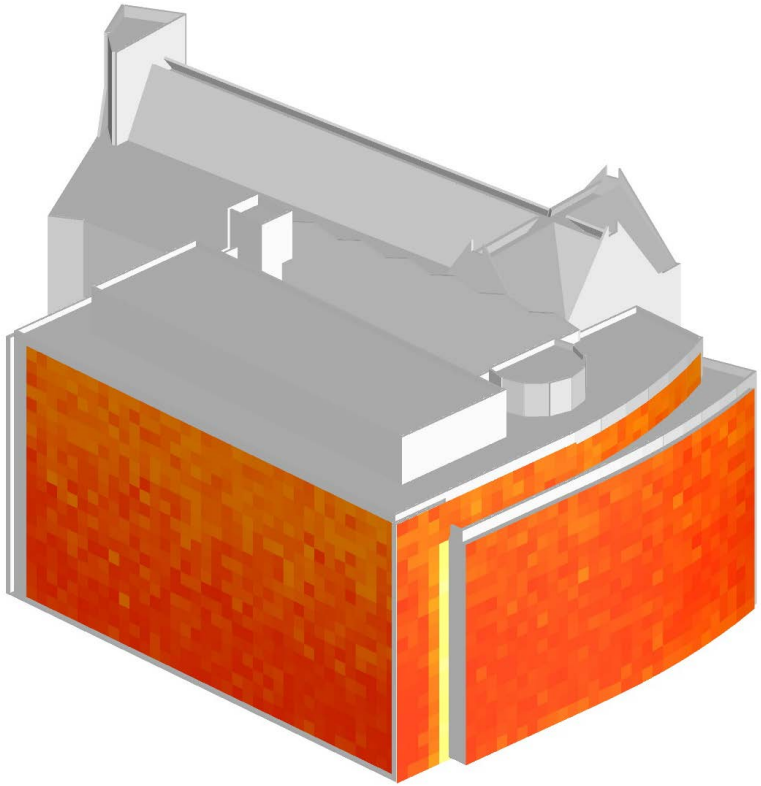
West and North Elevations

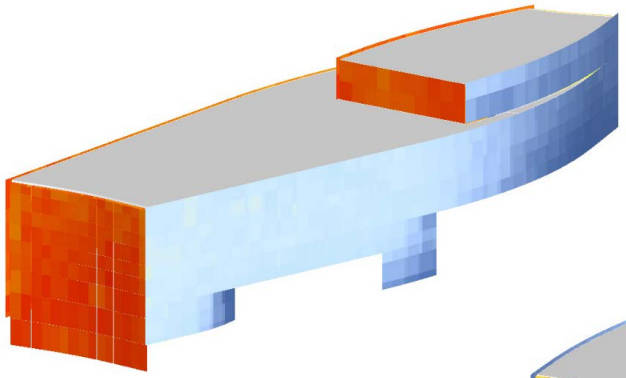


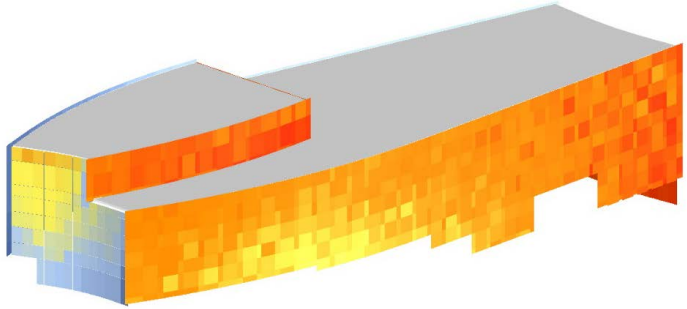
East and South Elevations

Solar Radiation on Vertical Building Facades

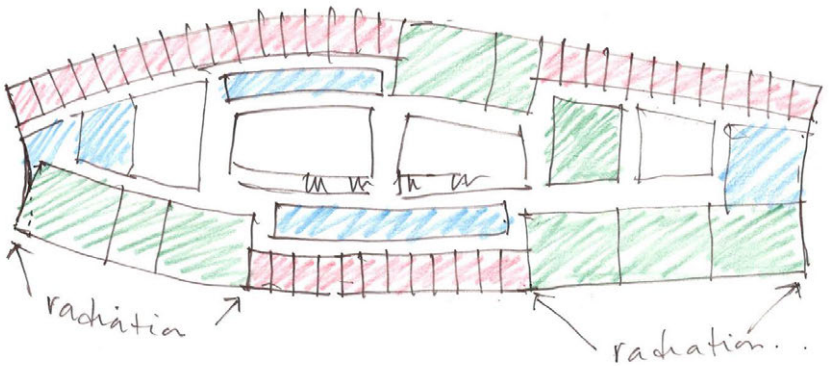
Cooling load dominated months, June - September



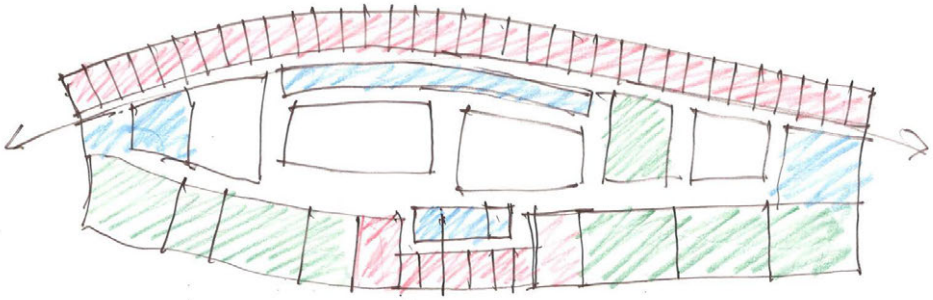




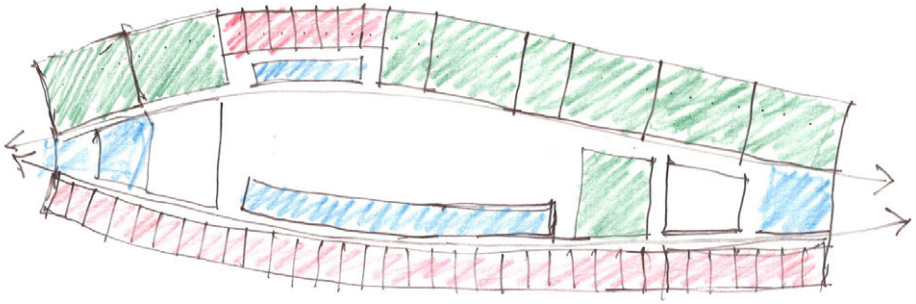
West and South Elevations



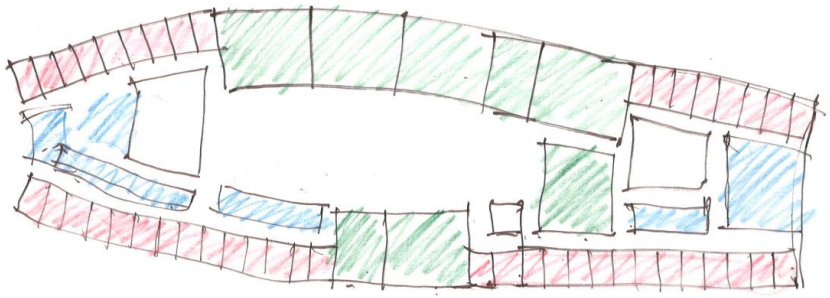
Current Plan - Majority Offices on North



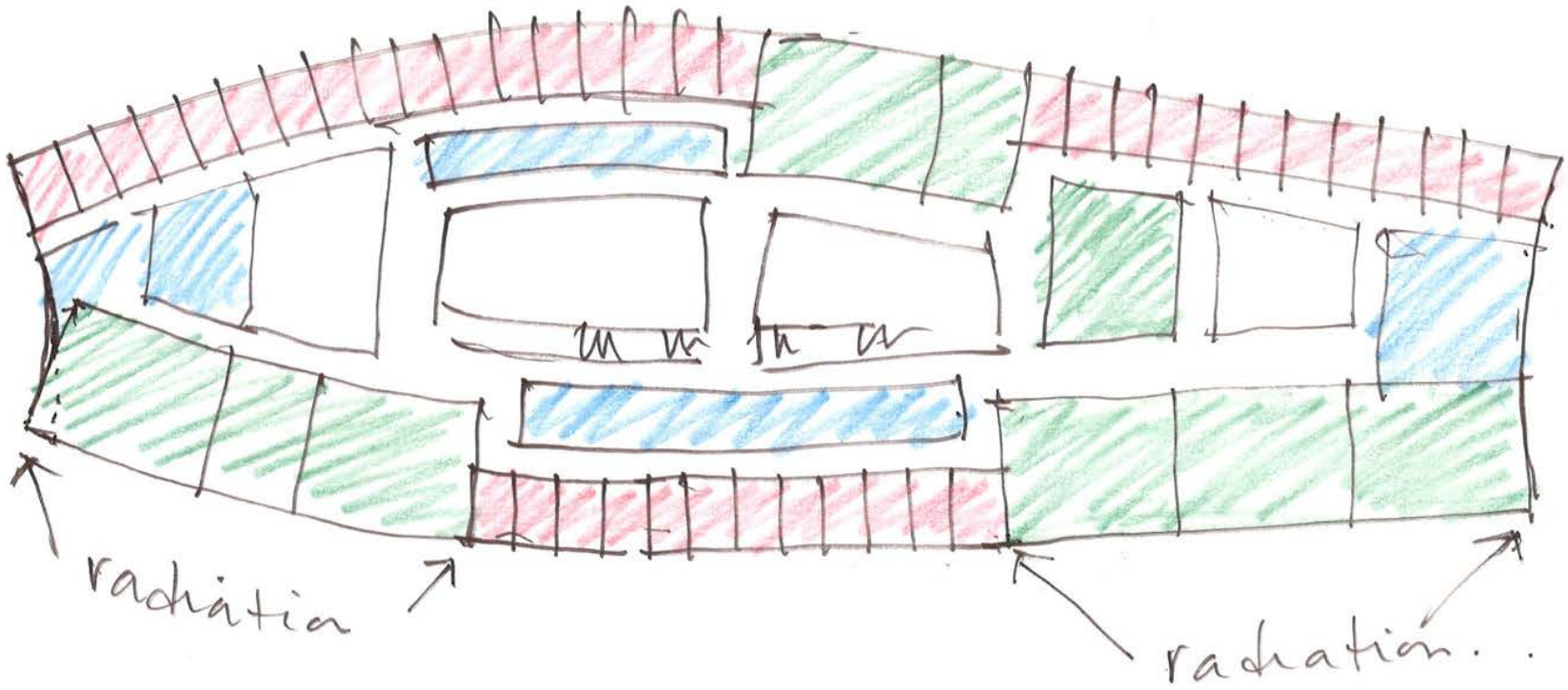
Offices on North



Offices on South



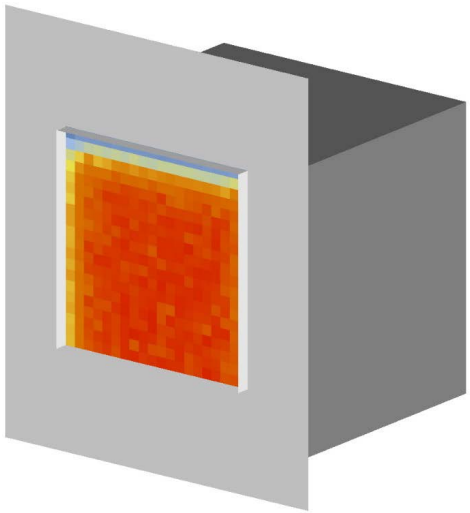
Majority of Offices on South



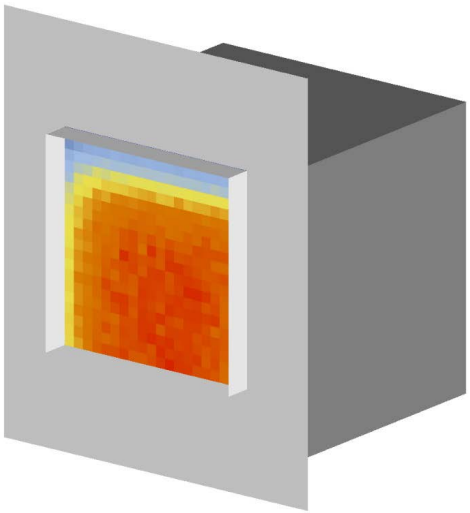
Majority Offices on North

Interactive Program Mix

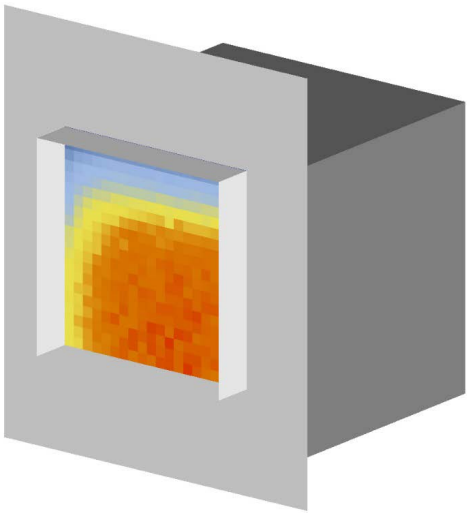
Exterior Shading Depth: Radiation Analysis



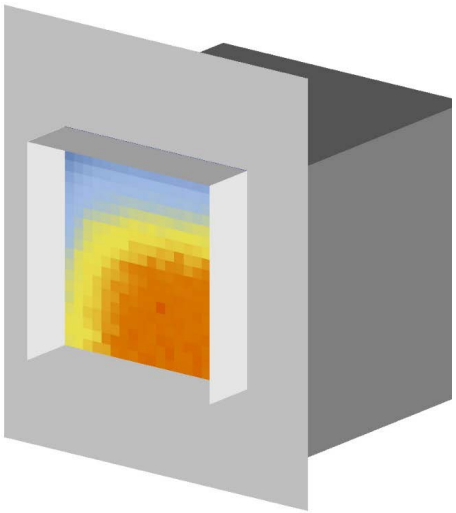
Solar Shade - 0.5' Depth
June 1st to Sept 1st
14.0% Solar Radiation Decrease



Solar Shade - 1.0' Depth
June 1st to Sept 1st
27.0% Solar Radiation Decrease



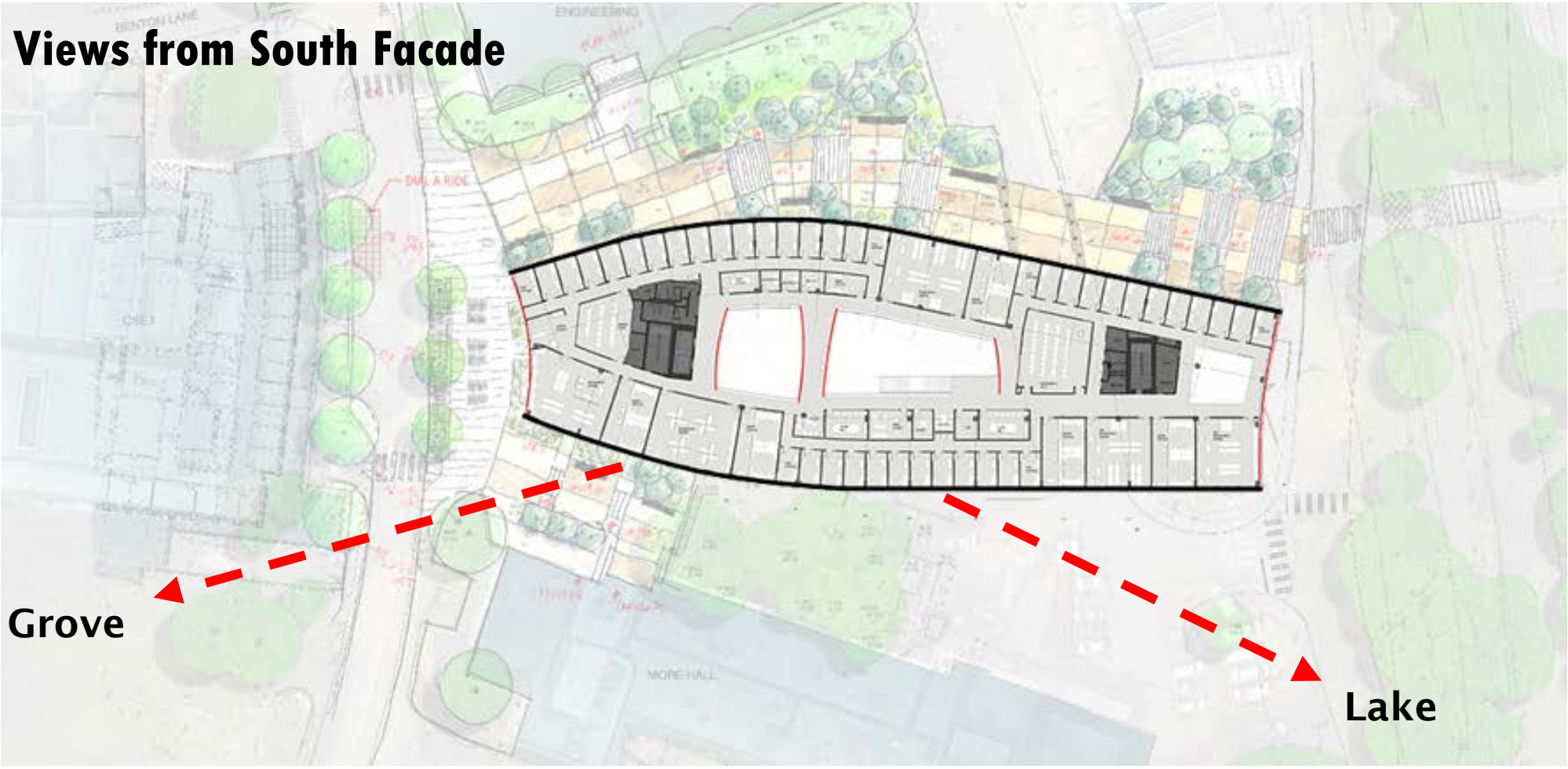
Solar Shade - 1.5' Depth
June 1st to Sept 1st
38.0% Solar Radiation Decrease



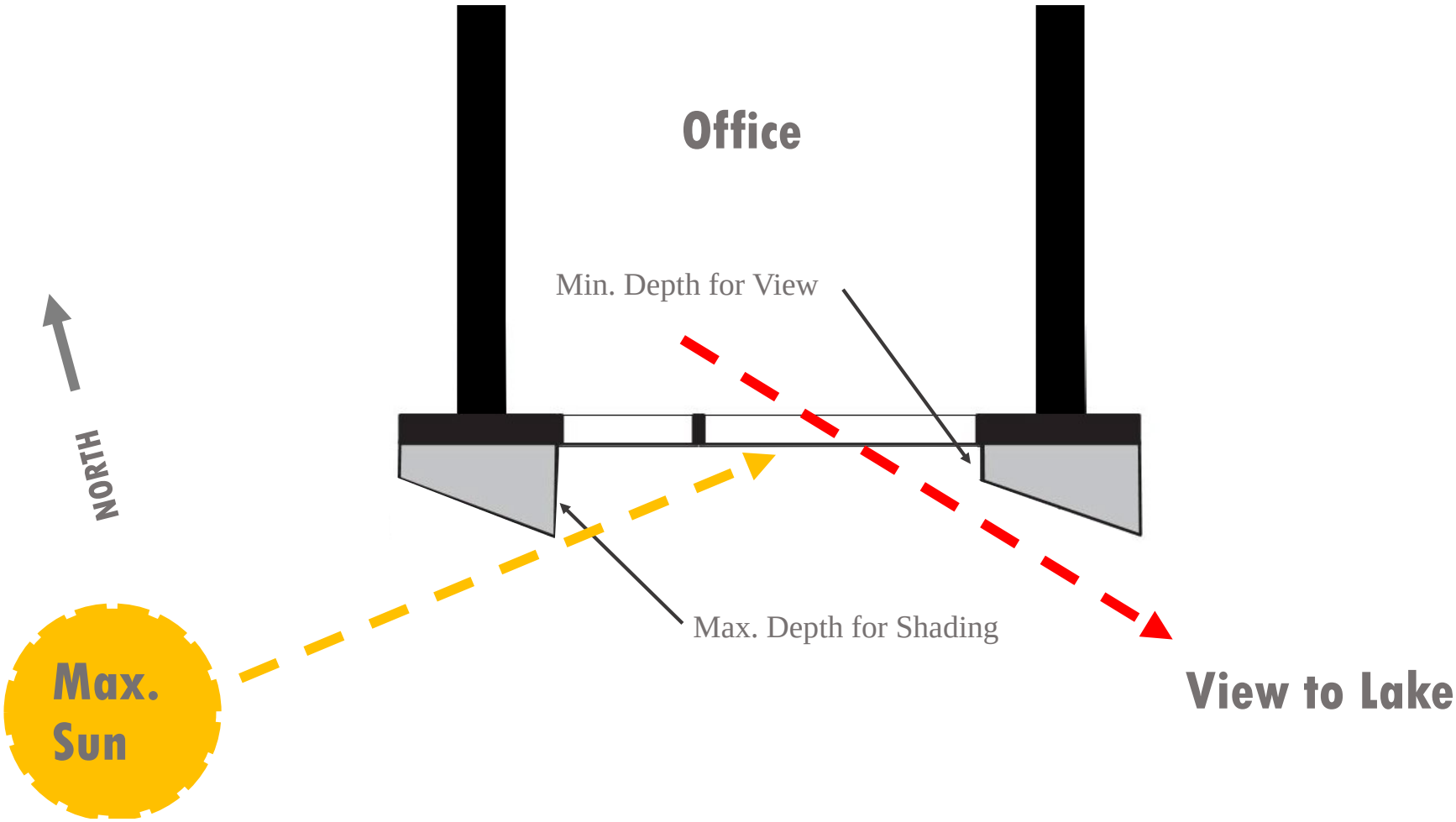
Solar Shade - 2.0' Depth
June 1st to Sept 1st
48.0% Solar Radiation Decrease

6” Depth ⟷ **24” Depth**

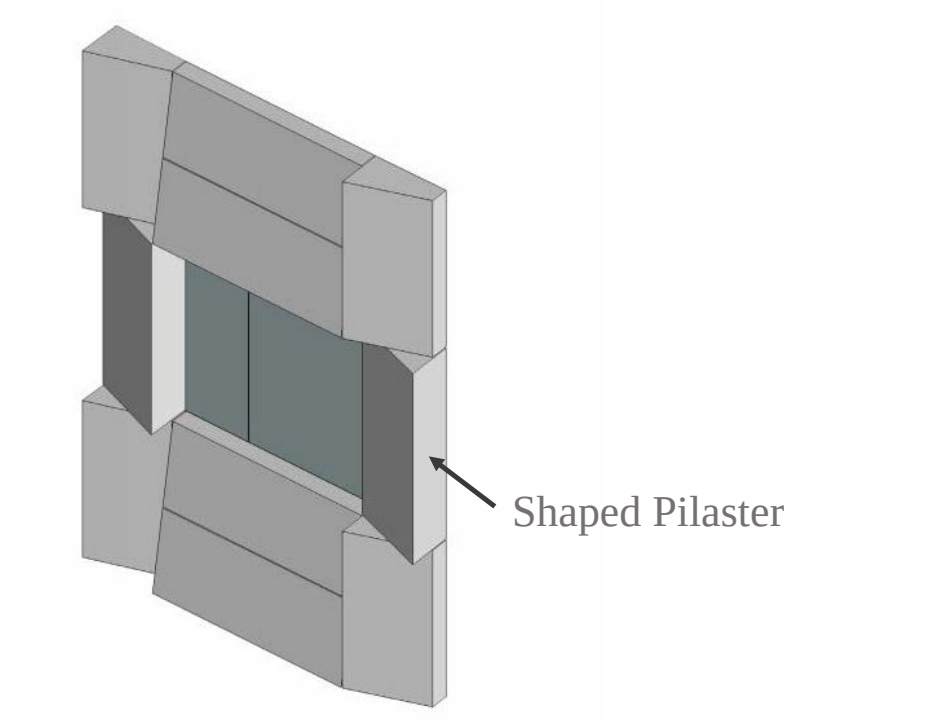
Views from South Facade

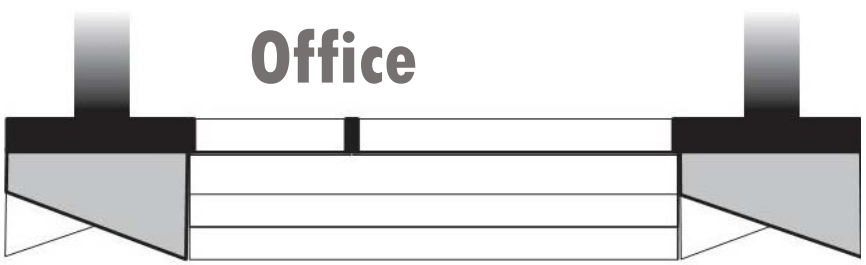


Optimized Shading and Views on South Facade

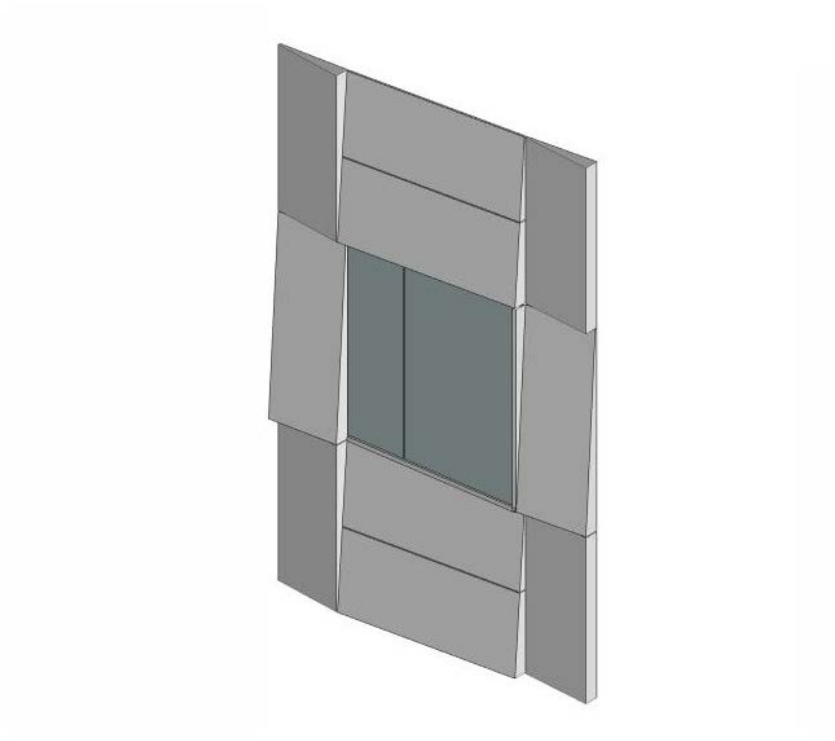


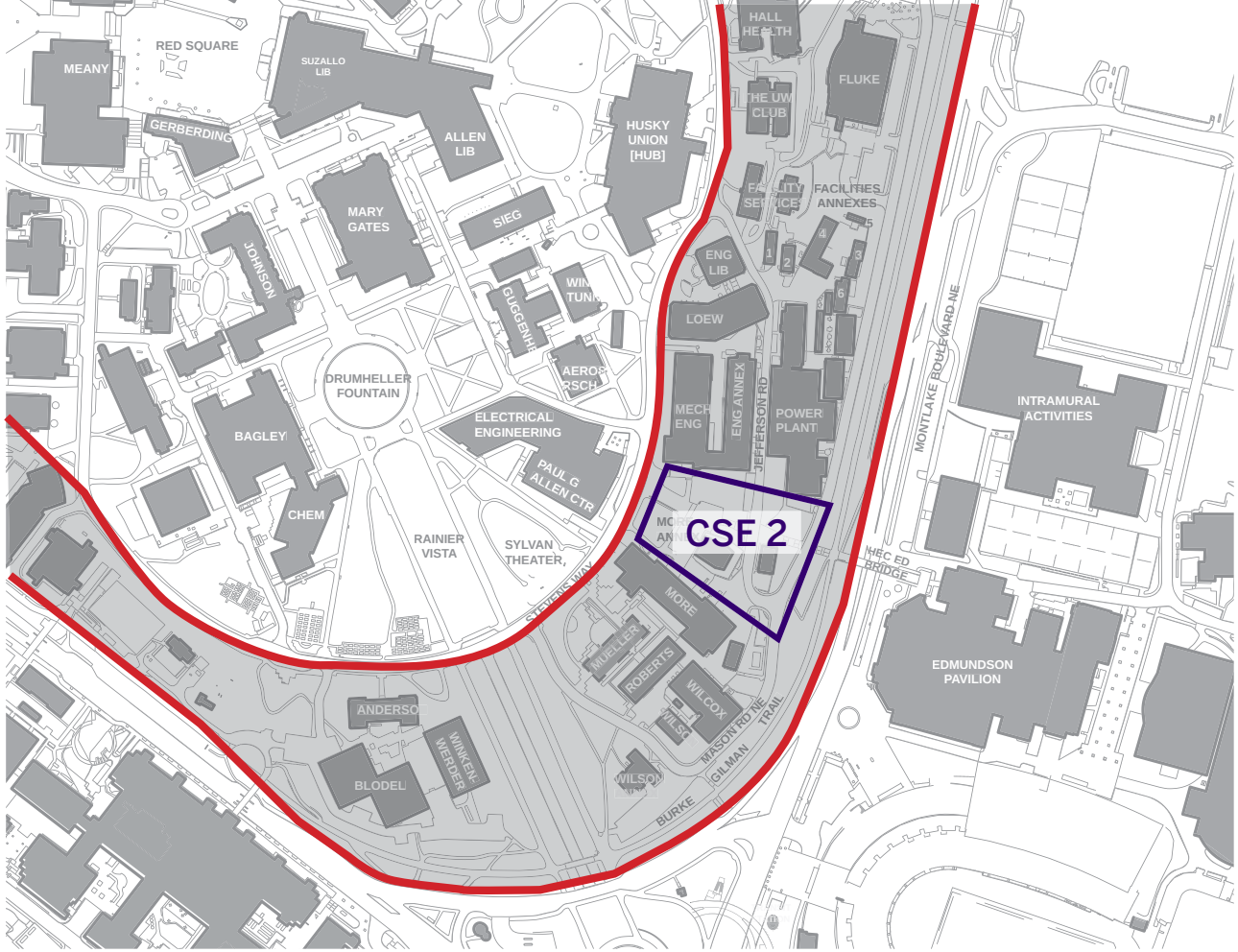
South Facing: 18” Depth

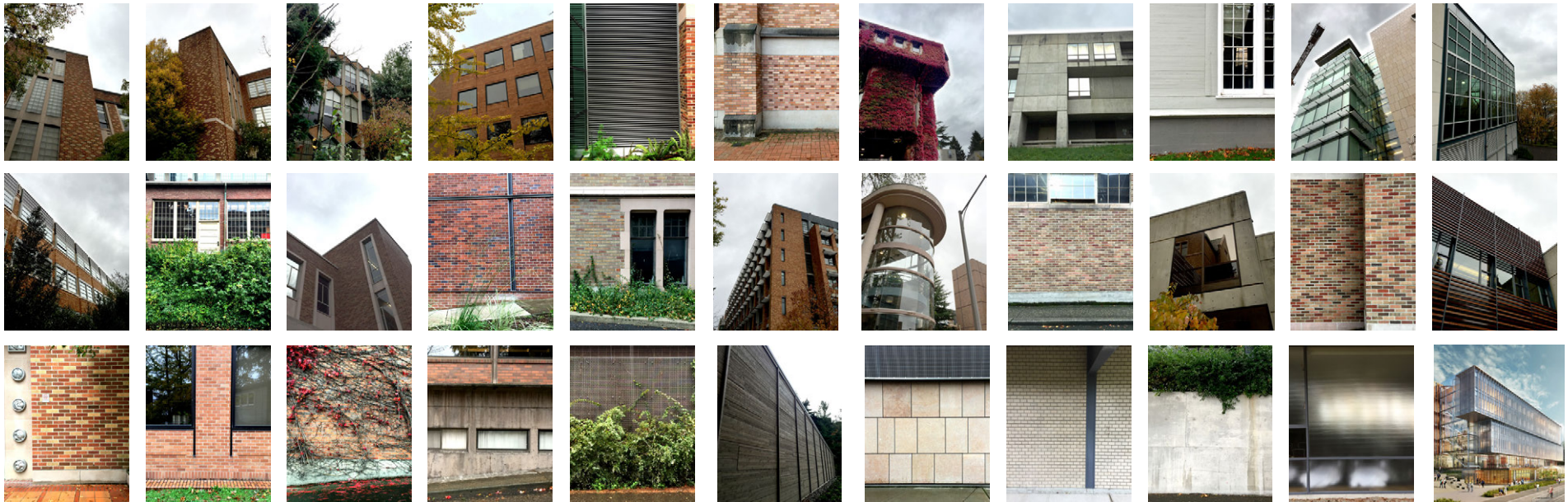


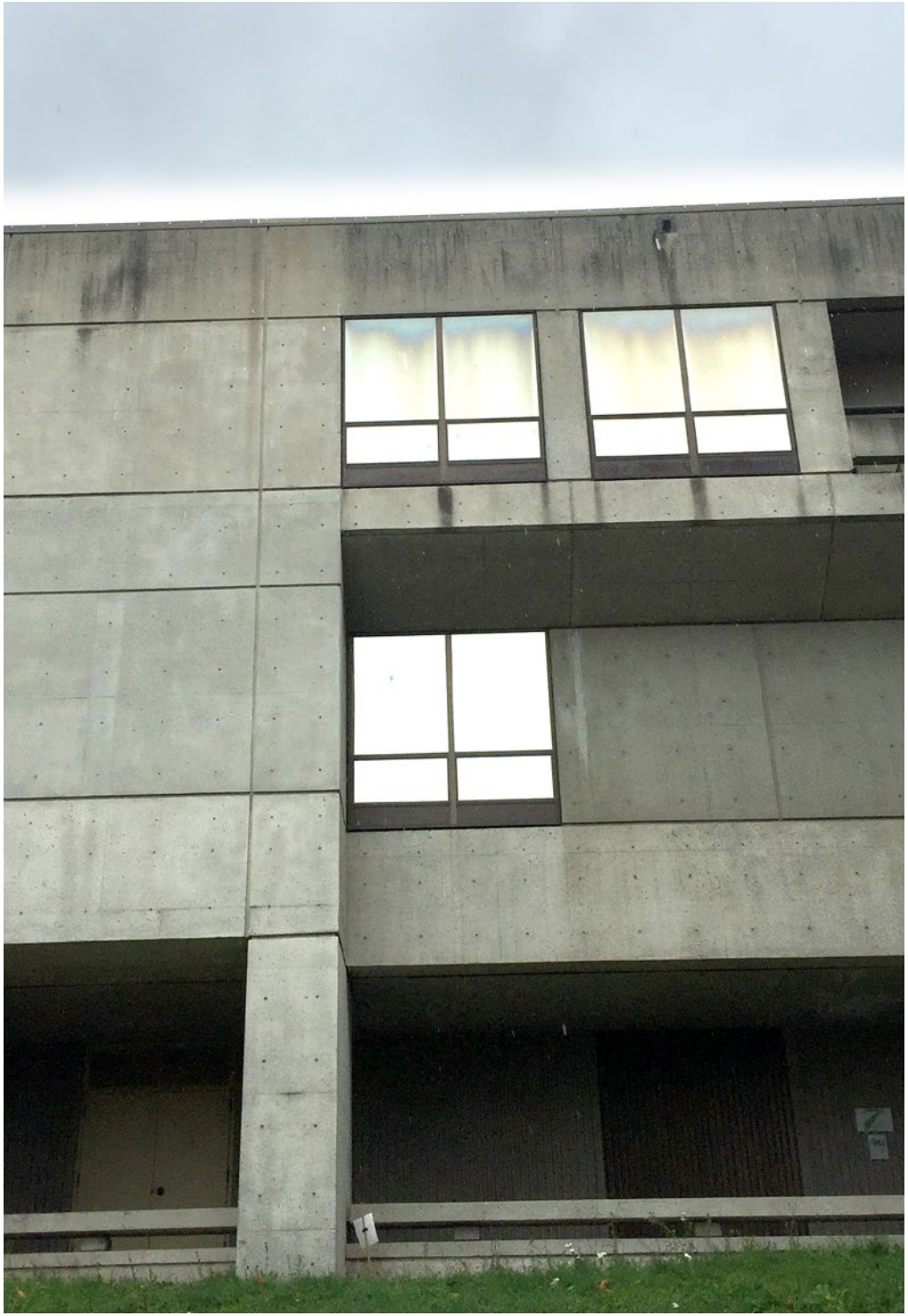


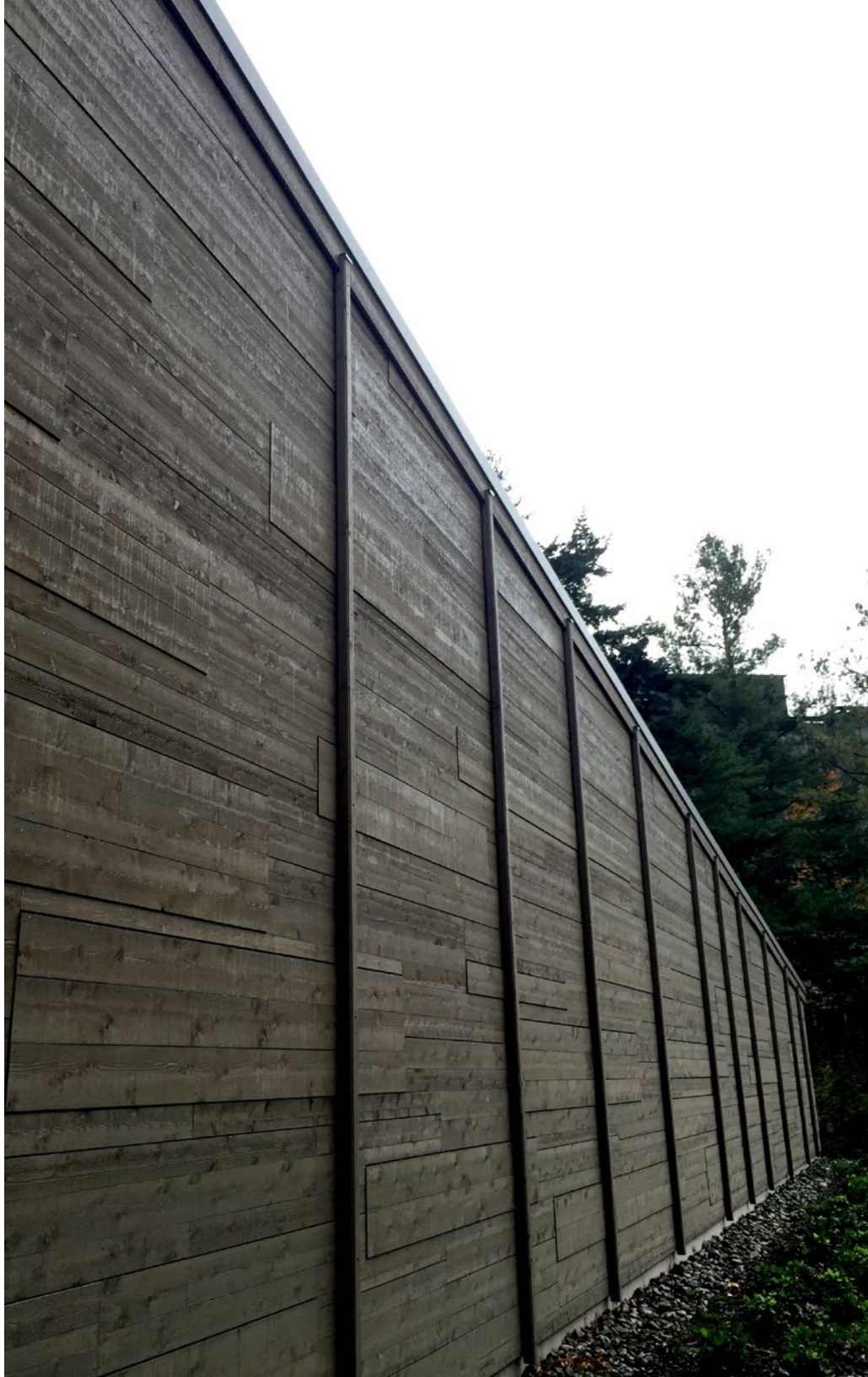
North Facing: 6" Depth

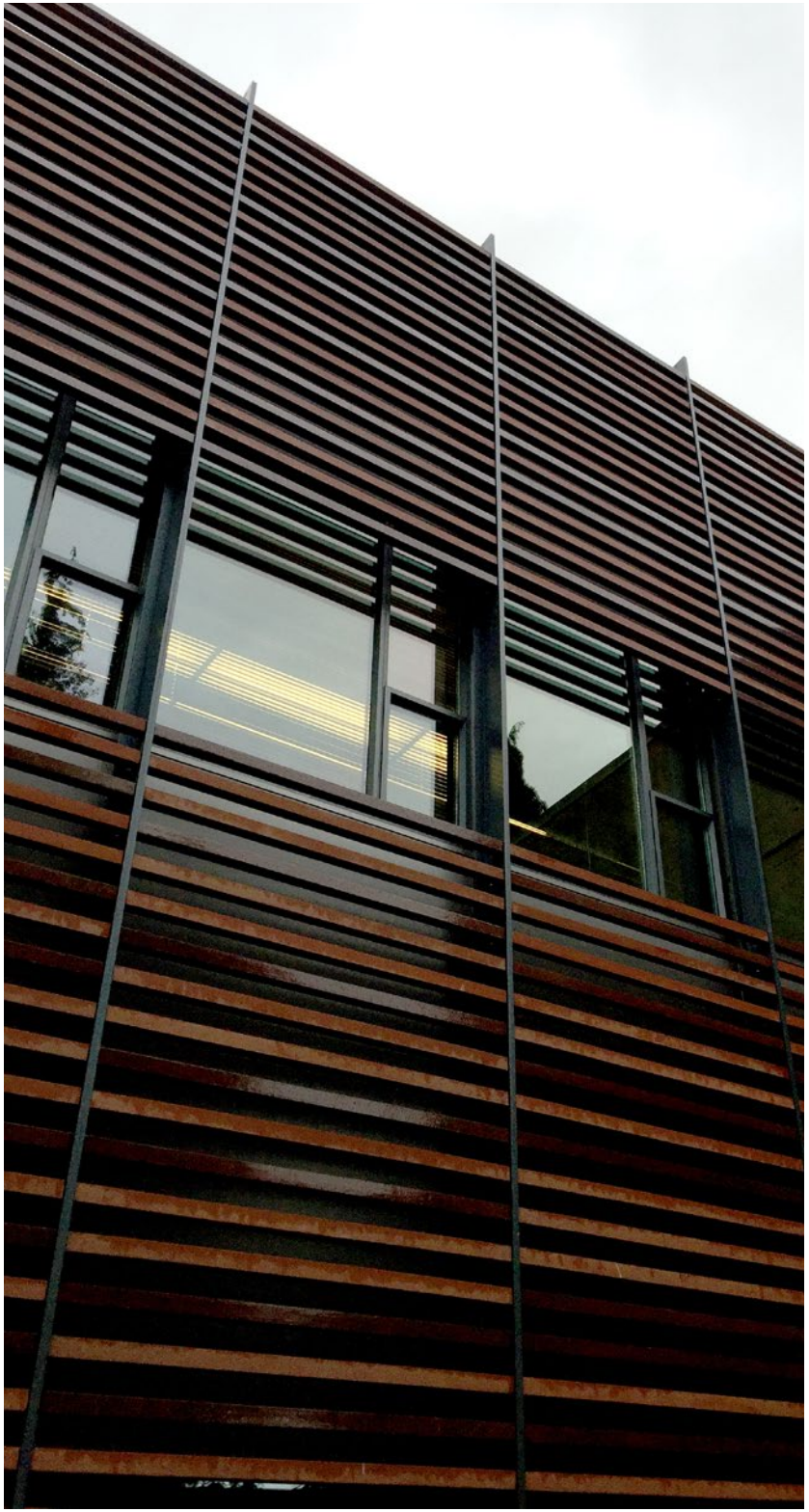


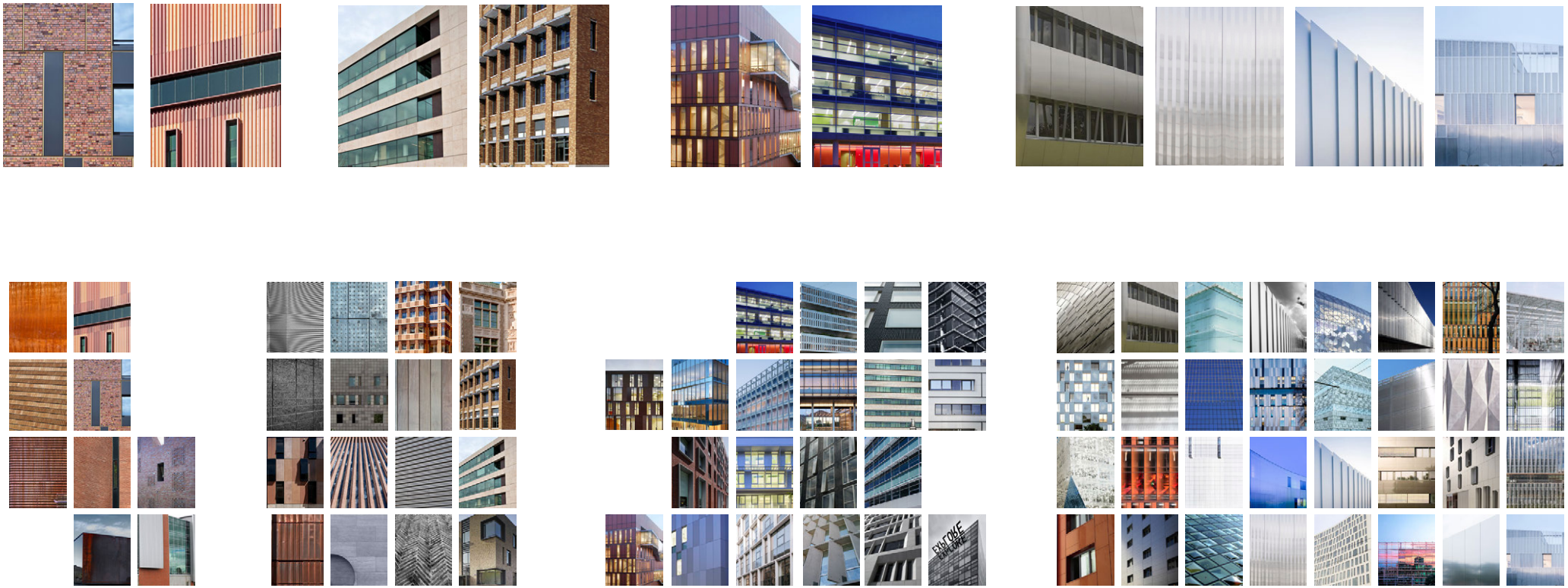

RED SQUARE
MEANY
SUZALLO LIB
GERBERDING
ALLEN LIB
HUSKY UNION [HUB]
HALL HEALTH
THE UW CLUB
FLUKE
FACILITIES ANNEXES
MARY GATES
SIEG
JOHNSON
ENG LIB
LOEW
GUGGENHE
AEROS RSCH
DRUMHELLER FOUNTAIN
BAGLEY
ELECTRICAL ENGINEERING
PAUL G ALLEN CTR
MECH ENG
ENG ANNEX
JEFFERSON RD
POWER PLANT
MONTLAKE BOULEVARD NE
INTRAMURAL ACTIVITIES
CSE 2
CHEM
RAINIER VISTA
SYLVAN THEATER
MORE
MUELLER
ROBERTS
WILCOX
MEC ED BRIDGE
EDMUNDSON PAVILION
ANDERSO
WINKEN WERDER
BLODEL
WILSON
MASON RD NE
GILMAN TRAIL
BURKE



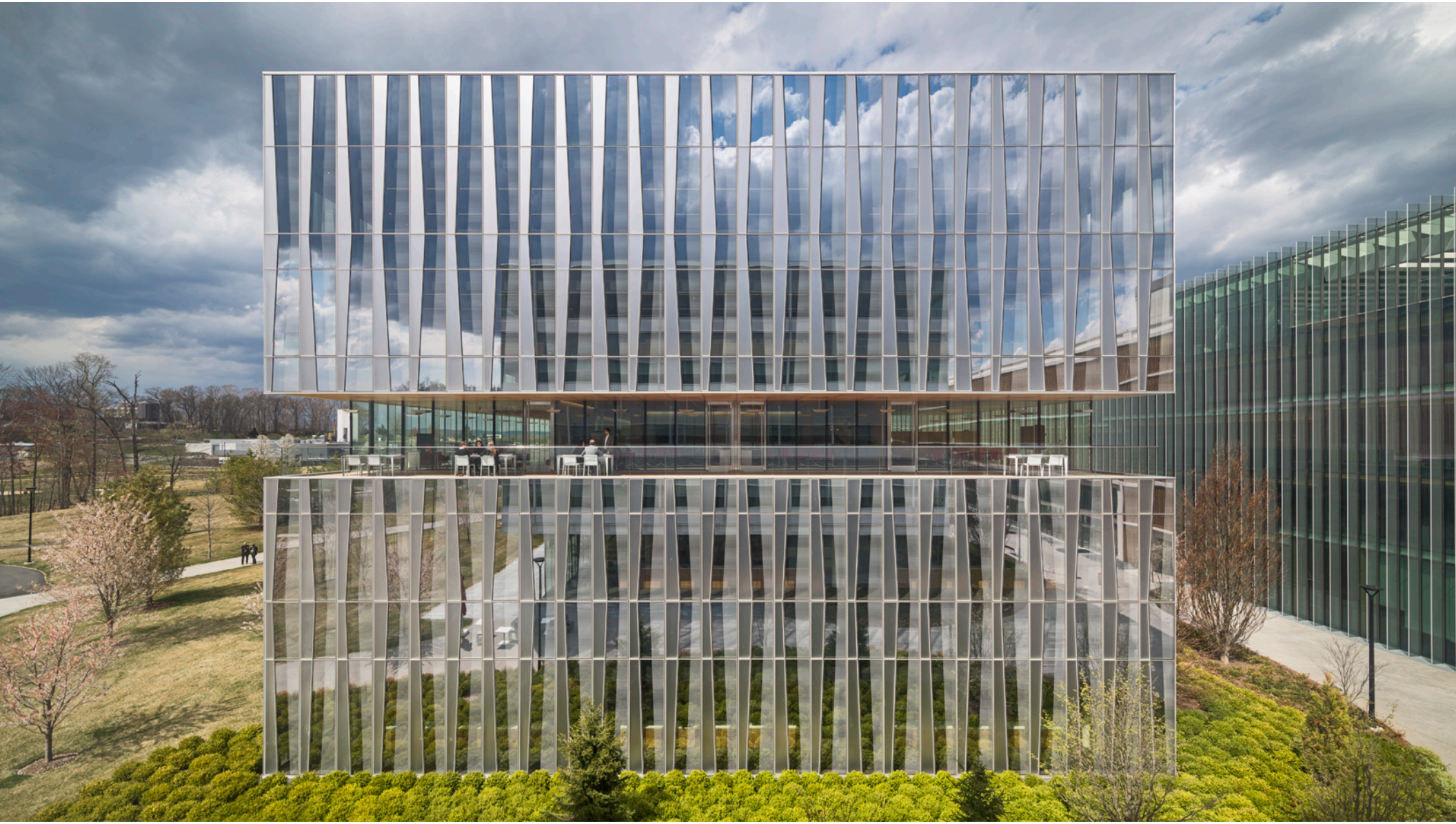








Massive ⟷ **Light**



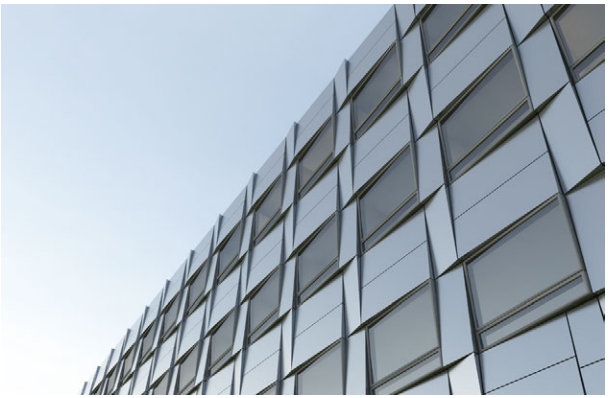
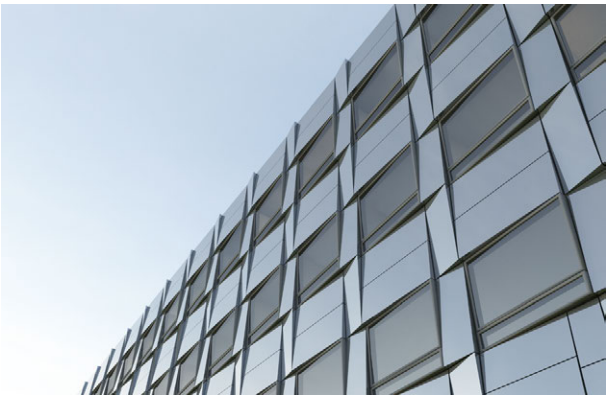
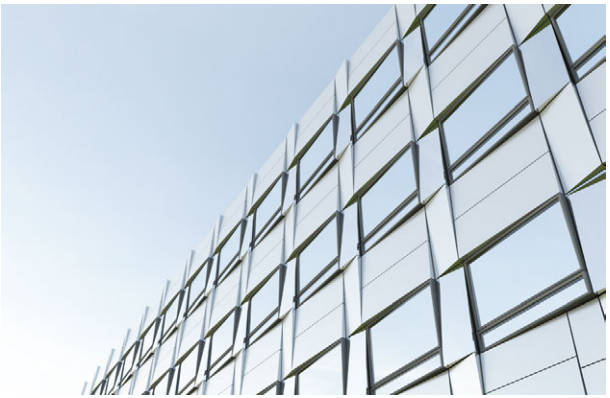
Inset

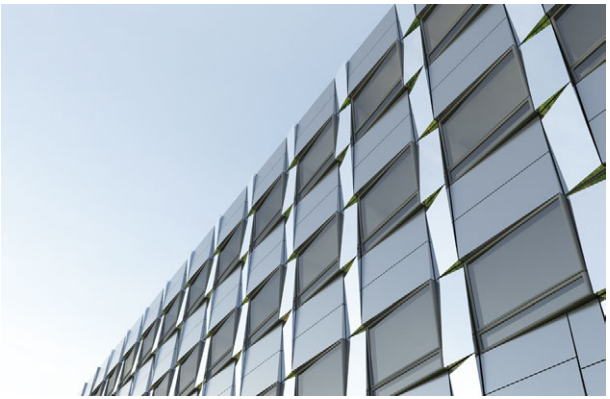
Shingled

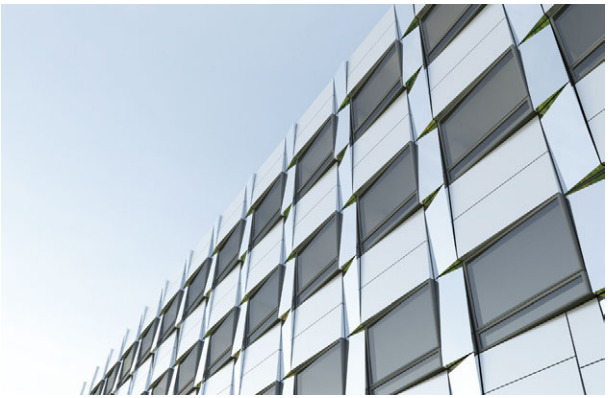
Reflective

Pleated

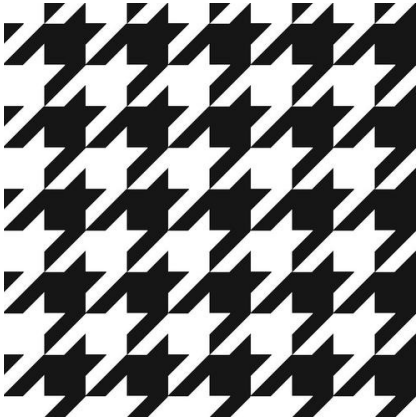
Shingled

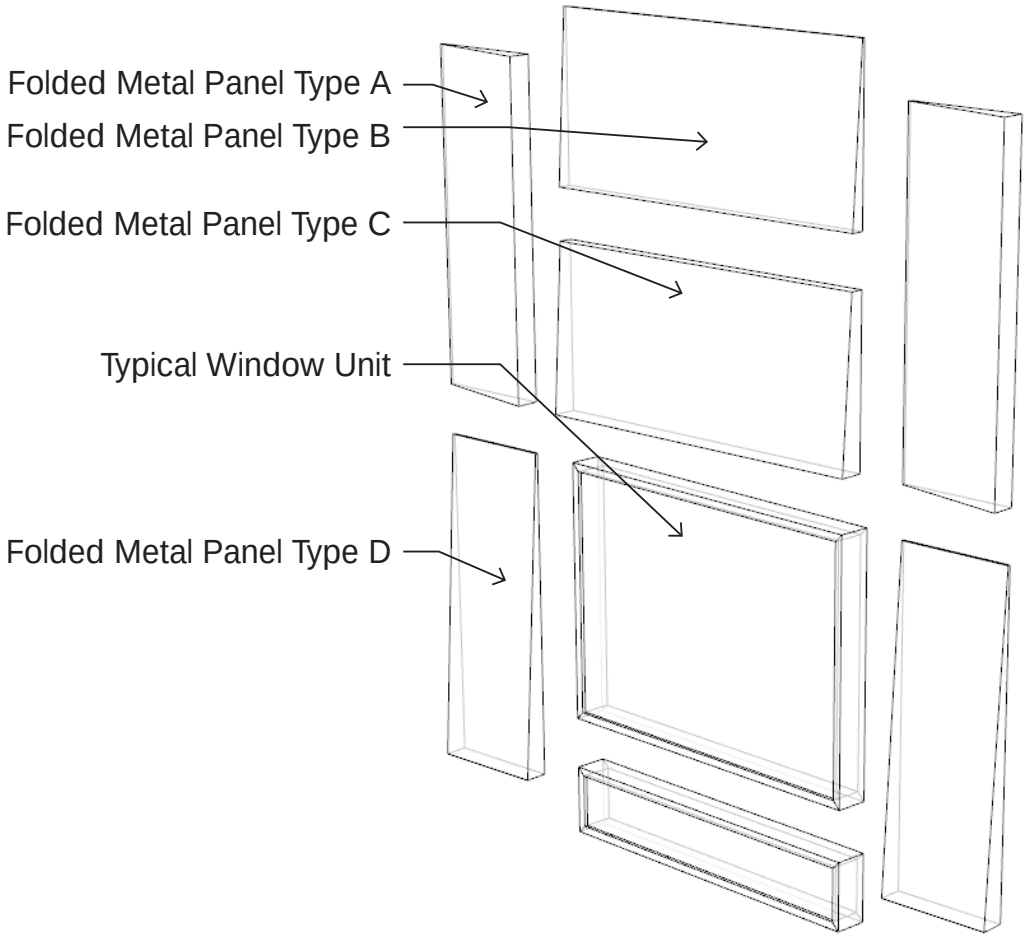




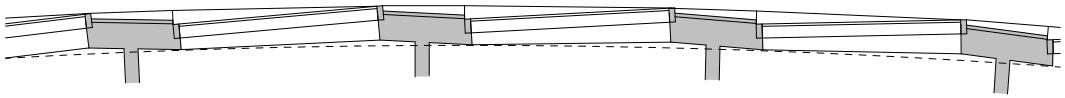




Shingled







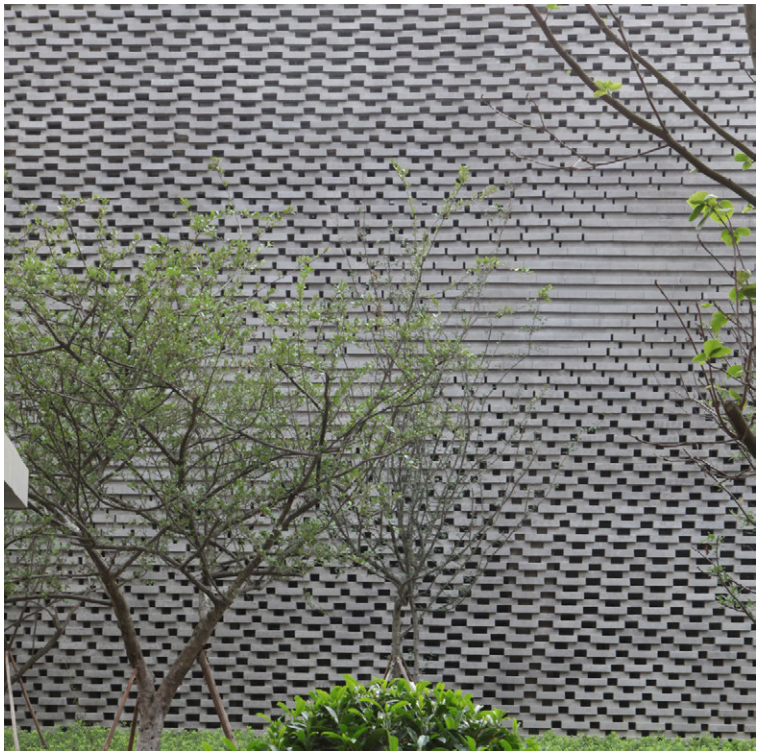
Wall Assembly Plan View

Shingled

Shingled

Shingled

Brick



Pleated

Inset

Textured

Laced

Civil Engineering

Terra Mauve 105
R:157 G:97 B:65

Runyon Canyon Tan 1140
R:157 G:111 B:74

California Redwood 1190
R:153 G:90 B:73

Sienna Clay 104
R:190 G:120 B:81

Buckhorn 987
R:133 G:116 B:95

Wynwood 1231
R:125 G:92 B:79

More Hall

Raisin 1237
R:115 G:88 B:73

Dorset Gold HC-8
R:222 G:183 B:116

Cornucopia Tan 119
R:209 G:135 B:79

Warm Sienna 1203
R:166 G:90 B:79

Pumice Stone 1197
R:145 G:92 B:72

Seminole Brown 1183
R:142 G:94 B:81

Allen Center

Sienna Clay 104
R:190 G:120 B:81

Terra Mauve 105
R:157 G:97 B:65

Roxbury Caramel HC-42
R:203 G:164 B:121

Baked Pretzel 1126
R:146 G:115 B:86

Inset

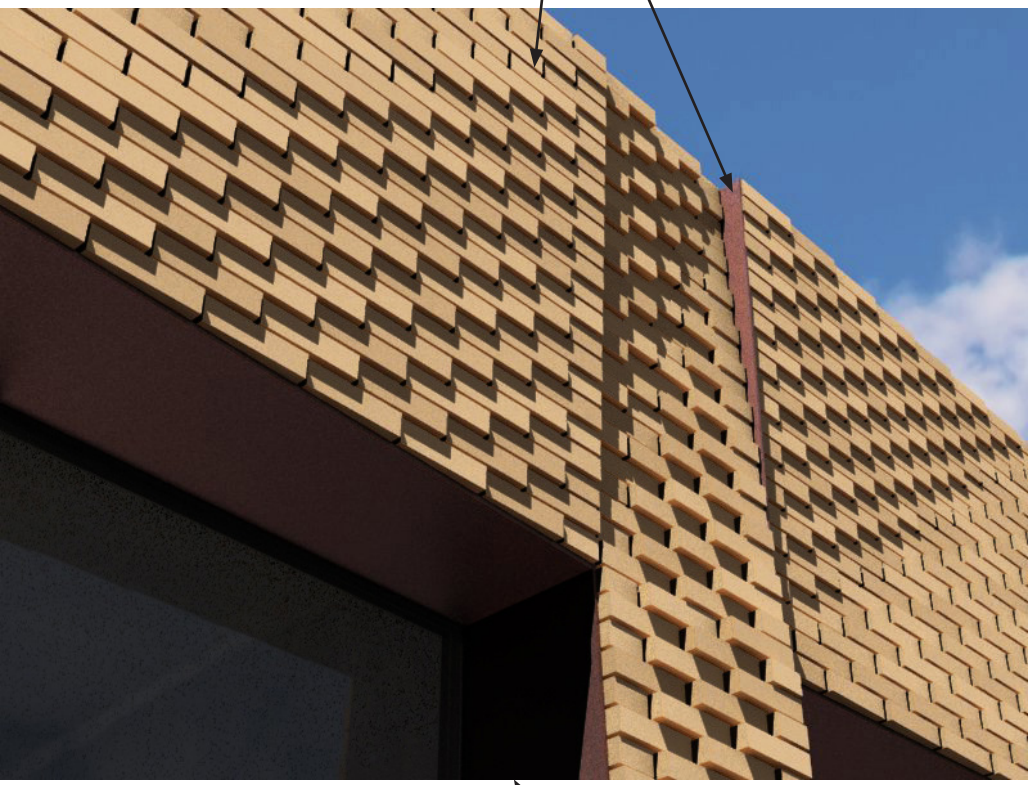
Pleated

Pleated

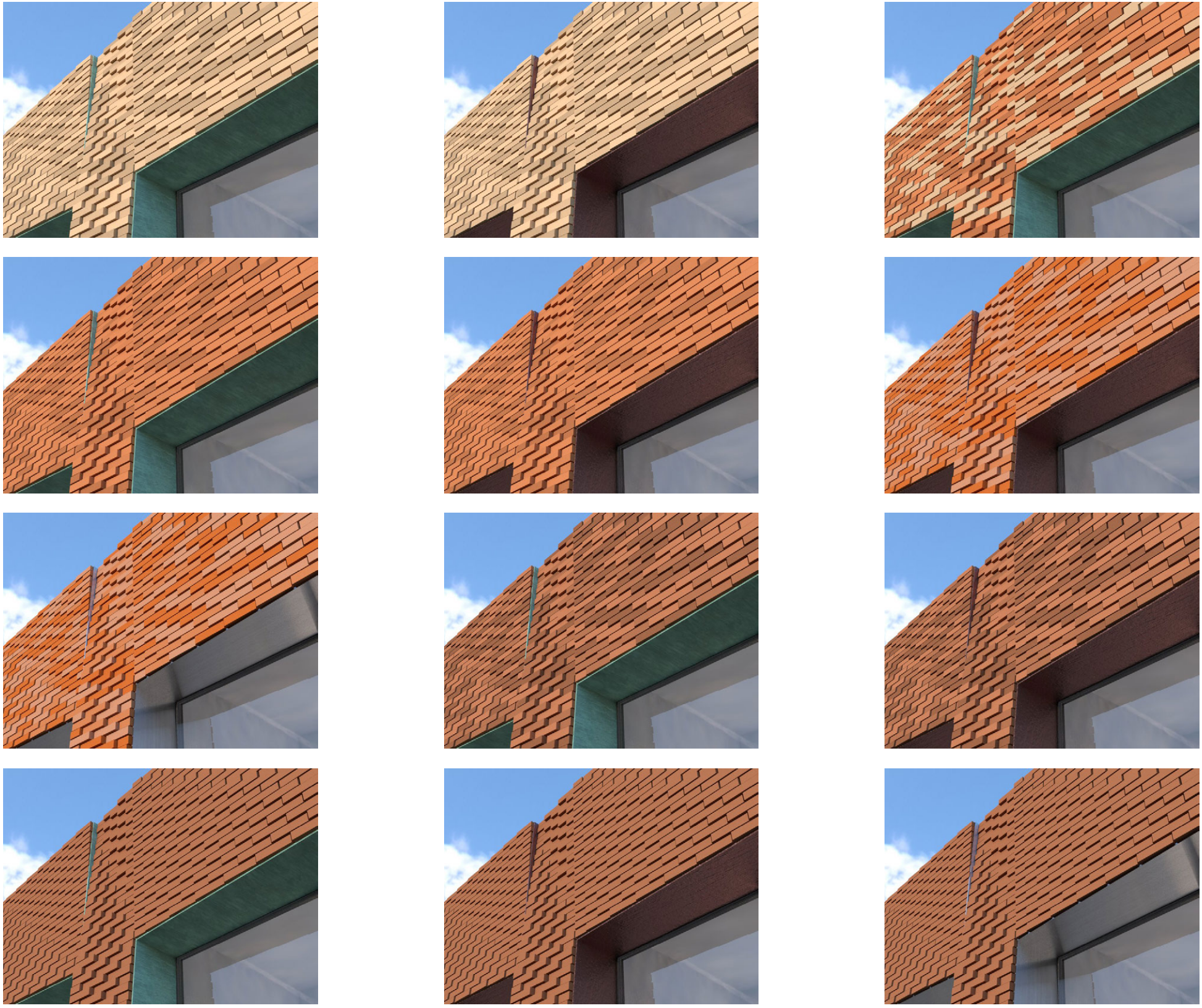
Textured

Textured

South Facade



North Facade

South Facade

North Facade