



Henry M. Goldman School of Dental Medicine

Boston, Massachusetts

Project Summary

Submitted by: Trustees of Boston University
One Silber Way, 9th Floor
Boston, MA 02215

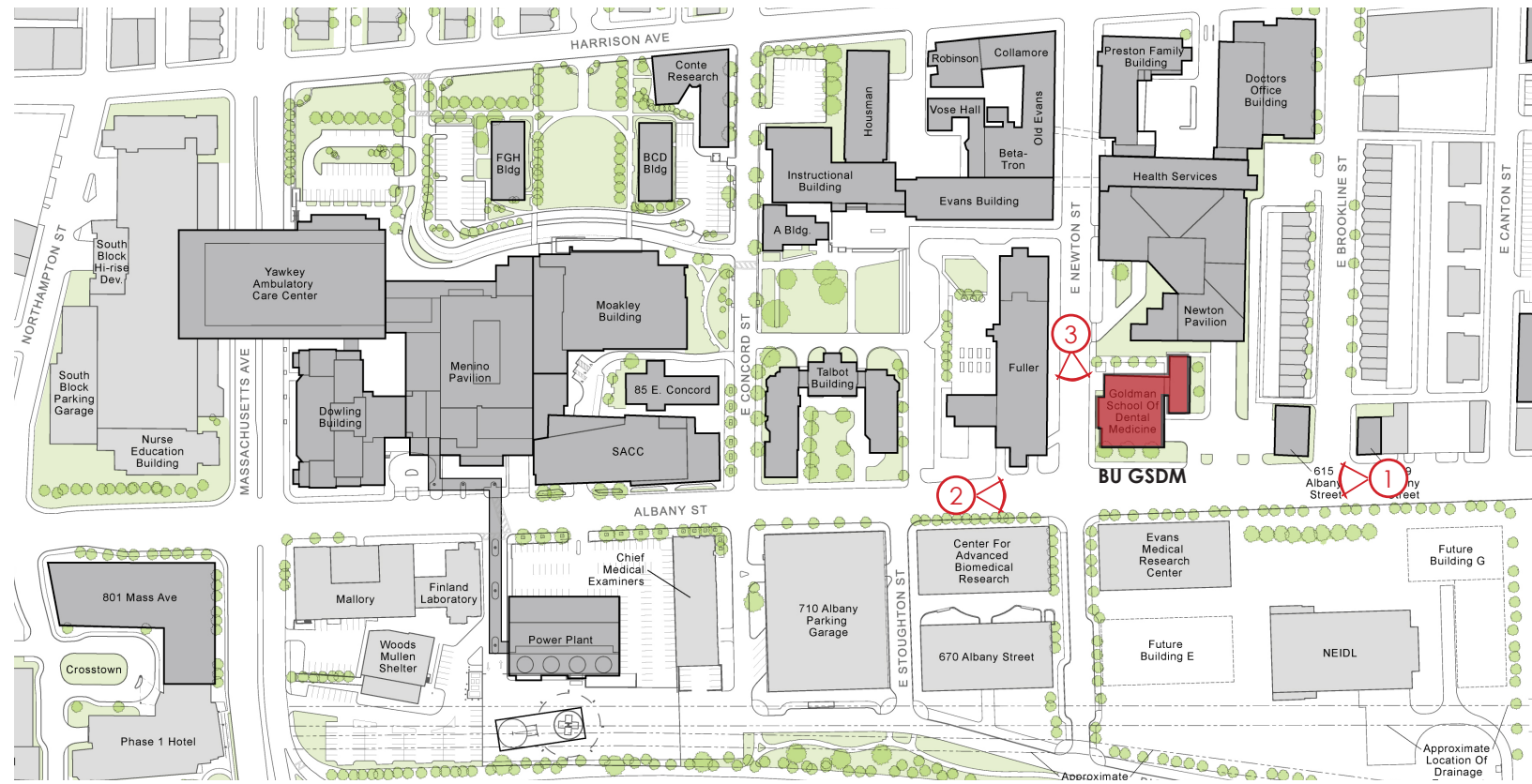
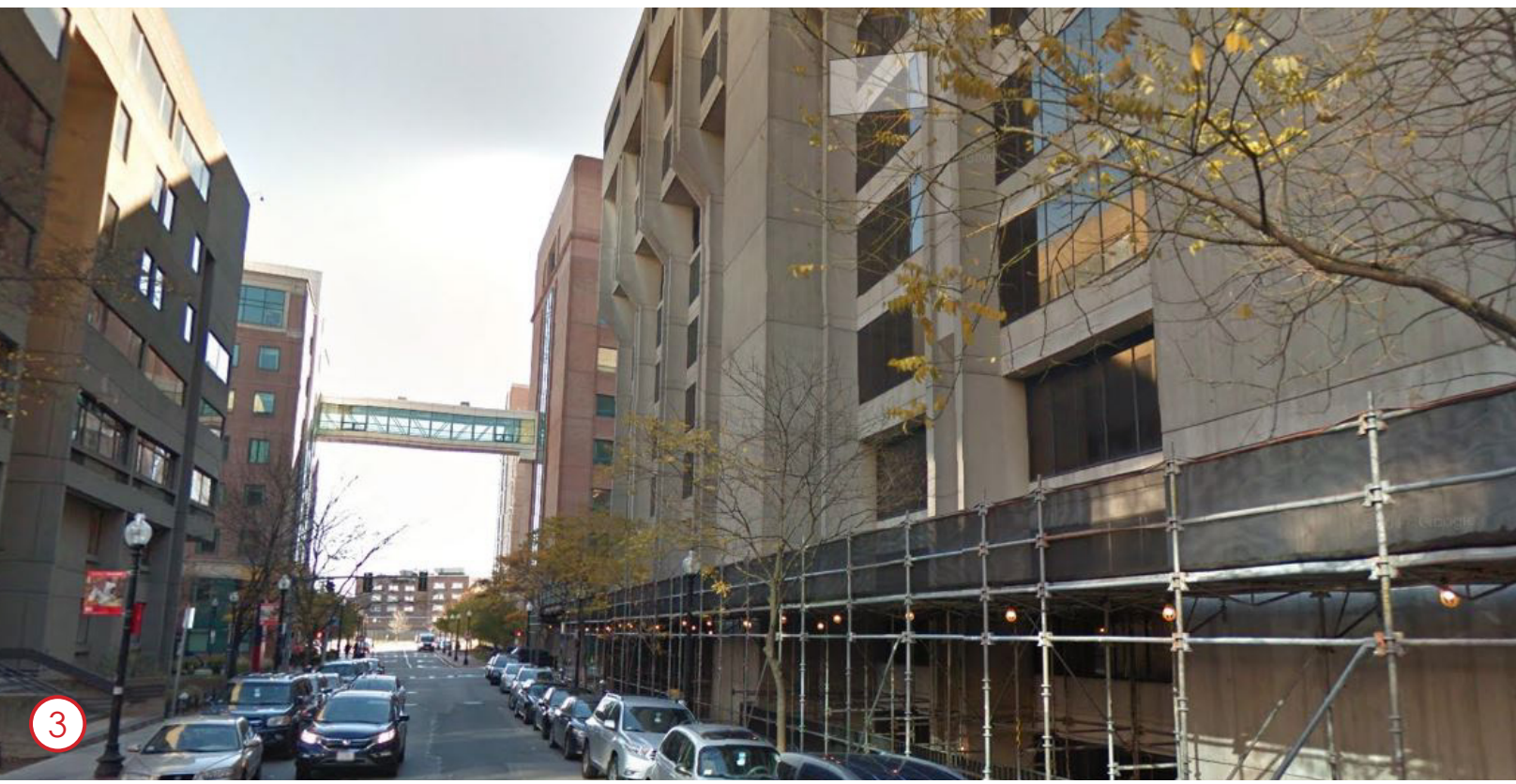
Submitted to: Boston Civic Design Commission

Prepared by: SmithGroupJJR
In association with
Fort Point Associates, Inc.

July 11, 2017



BOSTON UNIVERSITY
HENRY M. GOLDMAN
SCHOOL OF DENTAL MEDICINE

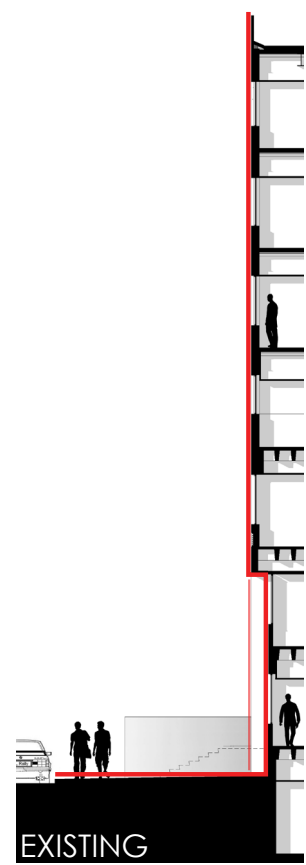
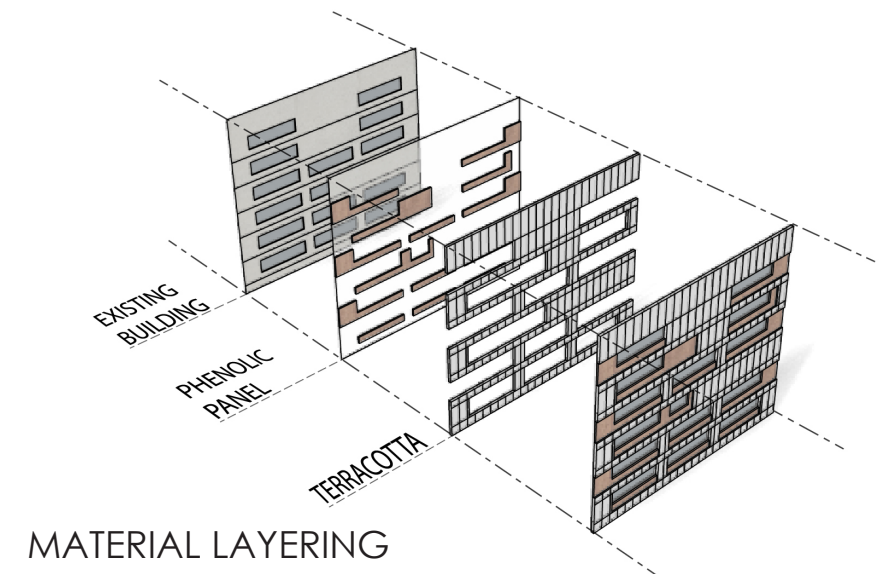
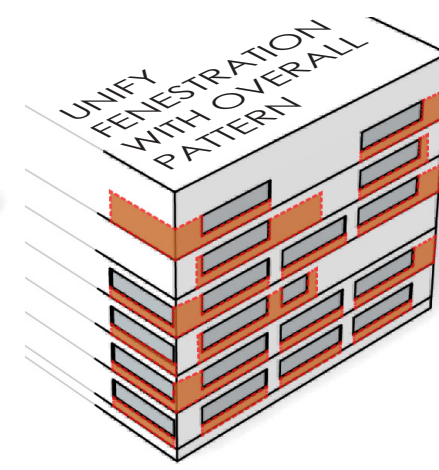
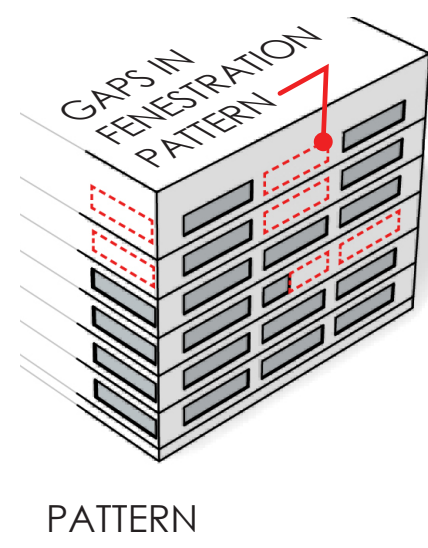
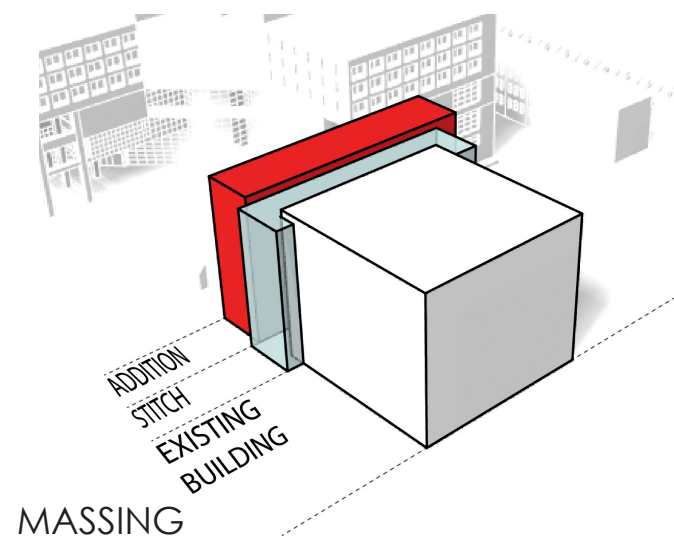


Context

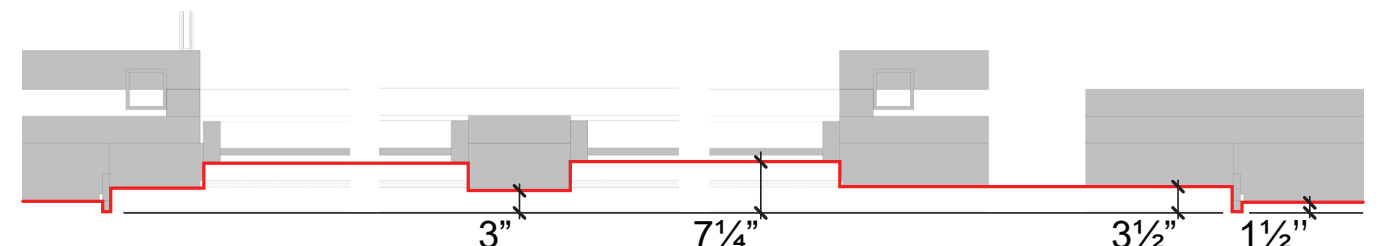
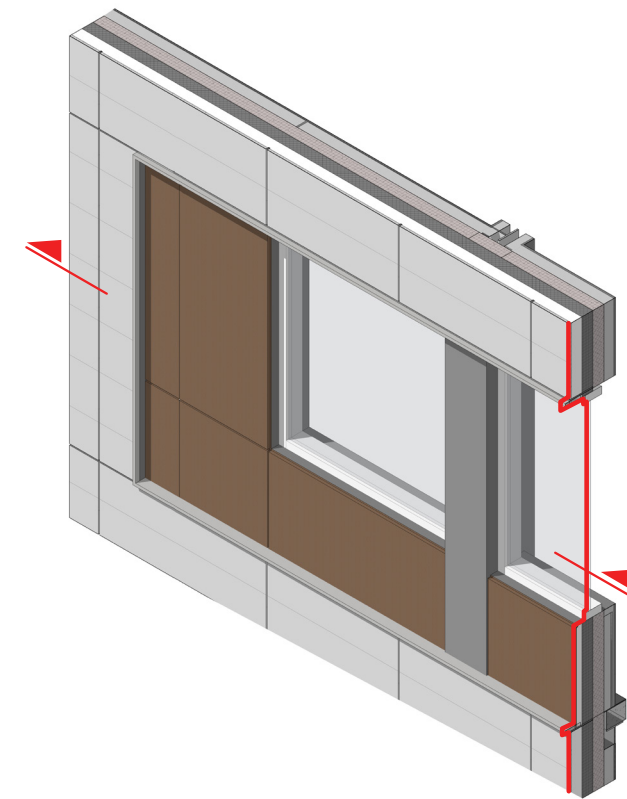
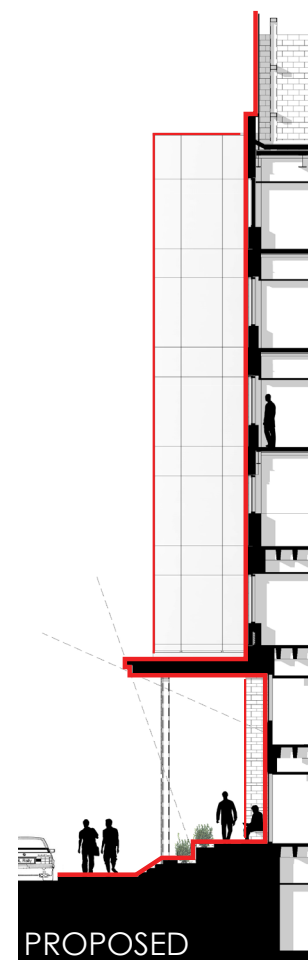




Existing Building



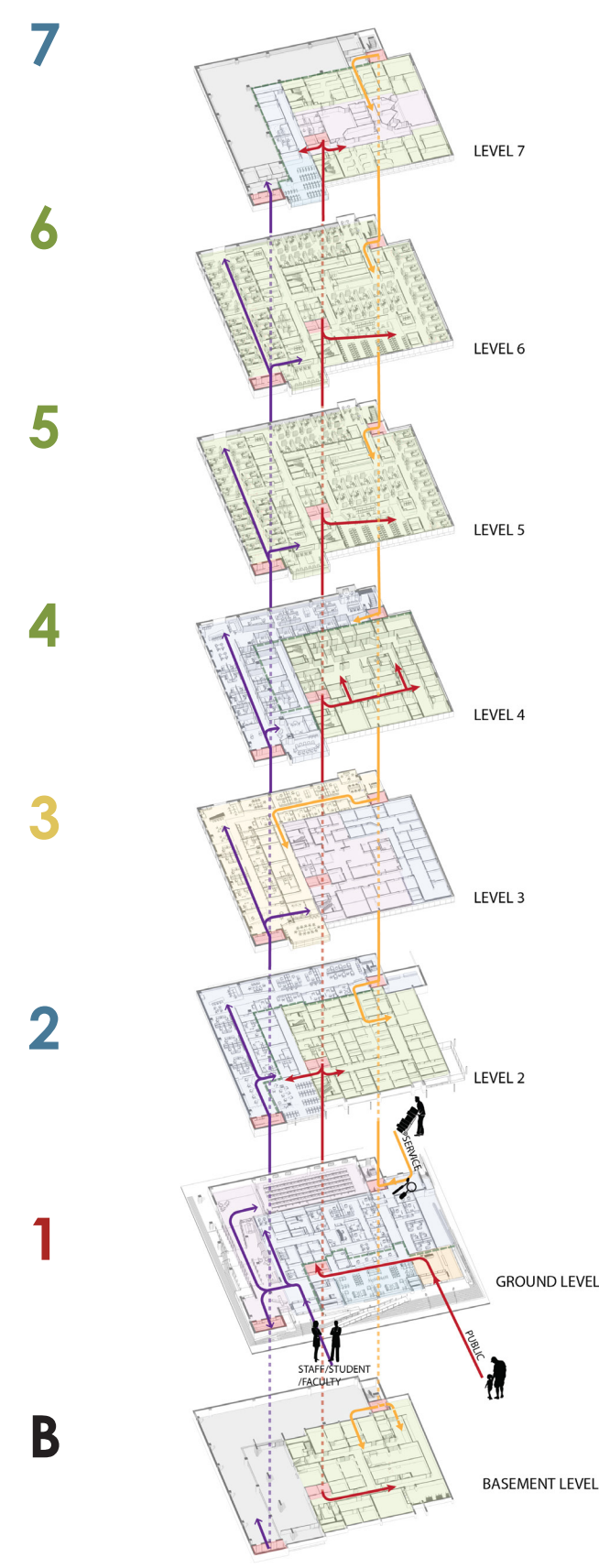
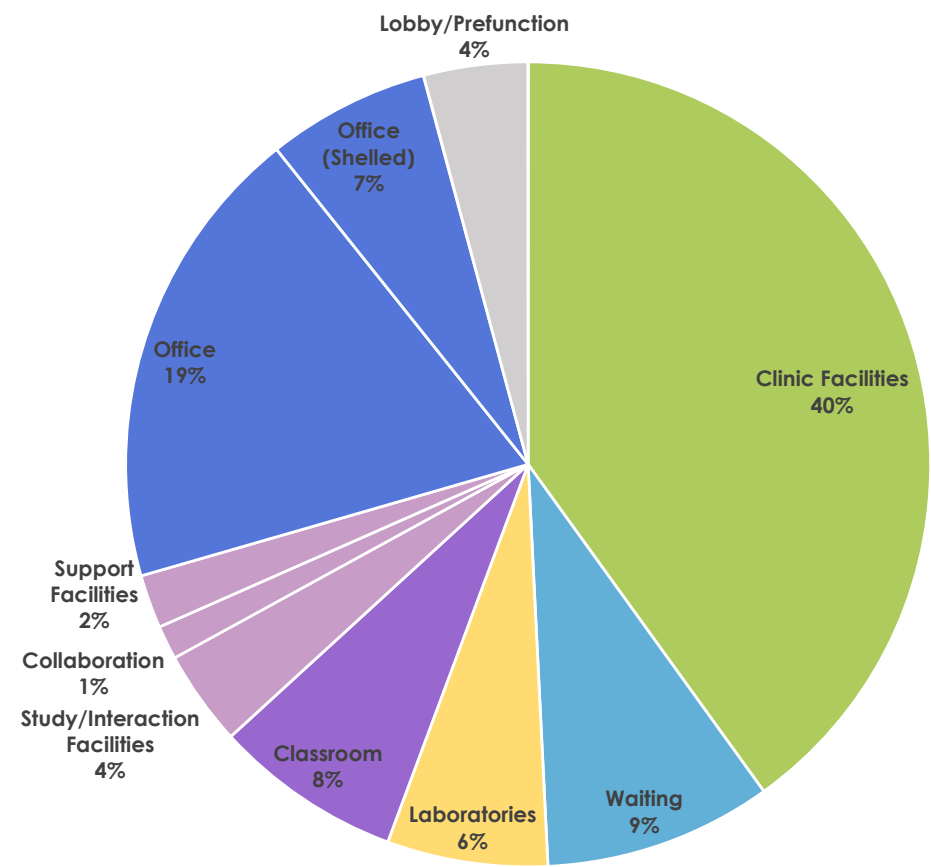
FACADE DEPTH - MACRO LEVEL



FACADE DEPTH - DETAIL LEVEL

Design Approach

| Space Type | Total | New | Renovated | Exist to Remain | Total |
|------------------------------|---------------|---------------|---------------|-----------------|----------------|
| Classroom | 4,643 | 2,560 | - | 3,430 | 5,990 |
| Laboratories | 3,479 | 3,820 | 505 | 800 | 5,125 |
| Office | 19,344 | 5,080 | 3,960 | 5,853 | 14,893 |
| Office (Shelled) | - | 5,200 | - | - | 5,200 |
| Study/Interaction Facilities | 347 | 2,960 | - | 87 | 3,047 |
| Collaboration | 2,058 | 750 | - | 335 | 1,085 |
| Support Facilities | 1,845 | - | 1,705 | - | 1,705 |
| Clinic Facilities | 21,472 | 11,301 | 12,864 | 7,680 | 31,845 |
| Waiting | 1,592 | 1,115 | 5,465 | 716 | 7,296 |
| Lobby/Prefunction | 890 | 1,440 | 1,890 | - | 3,330 |
| Total (NASF) | 55,670 | 34,226 | 26,389 | 18,901 | 79,516 |
| Total GSF | 96,587 | 47,713 | 62,923 | 33,664 | 144,300 |
| Total GFA | 84,200 | 41,900 | 53,100 | 31,100 | 126,100 |



Program and Palette

7 Clinic, Administrative Offices
Cool colors that identify post doc clinic and provide for calming patient experience

6 Clinic
Cool colors that identify pre doc clinic and provide for calming patient experience

5 Clinic
Cool colors that identify pre doc clinic and provide for calming patient experience

4 Clinic, Administrative Offices
Cool colors that identify pre doc clinic and provide for calming patient experience

3 Academics, Simulated Learning Center, Faculty Offices
Palette enhances communication and stimulates learning and innovation

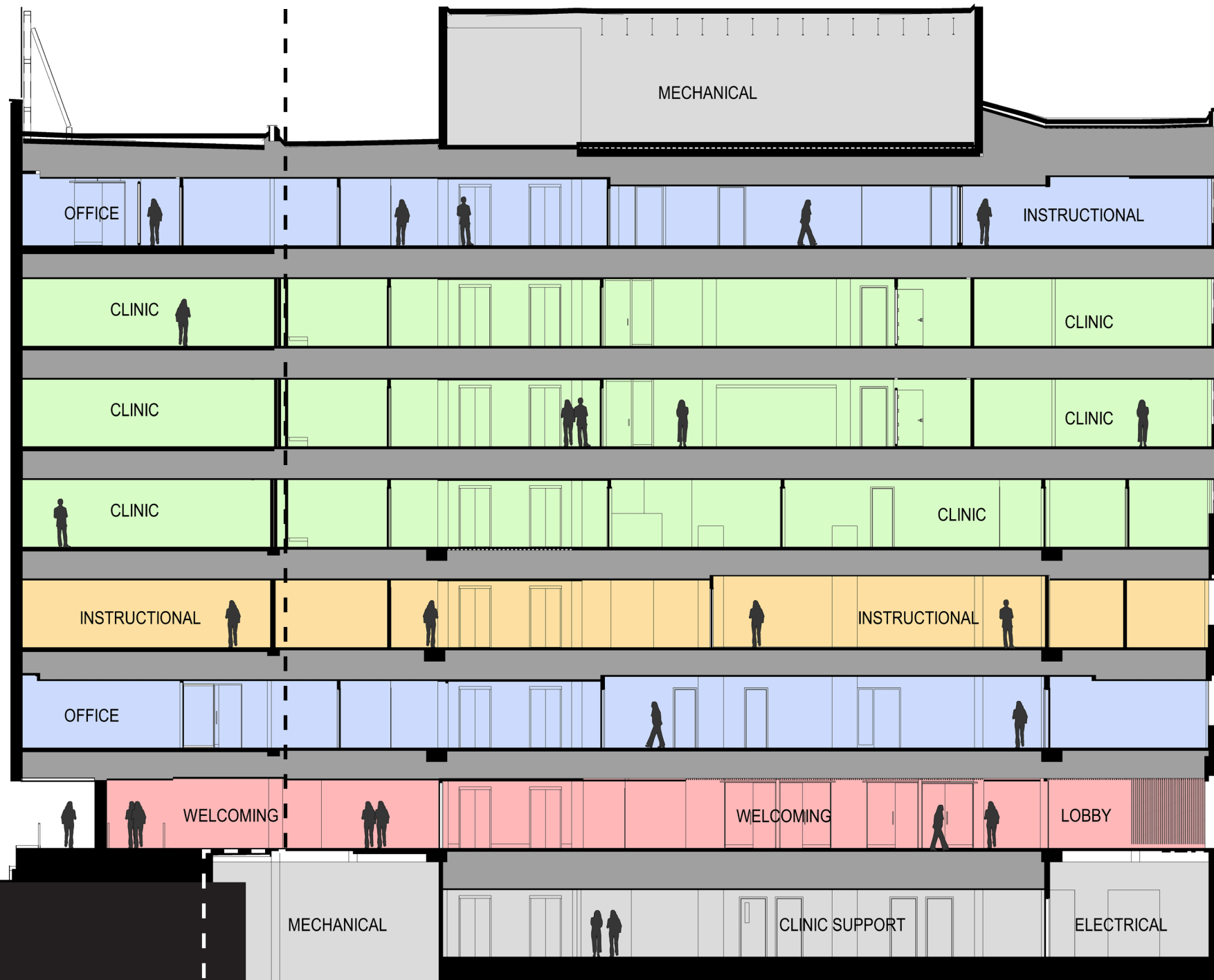
2 Clinic, Faculty Offices
Cool colors that identify post doc clinic and provide for calming patient experience

1 Entry, Admissions, Academics, Finance, Student Engagement, Clinic Reception
School colors provide branding and generate excitement

B Central Sterilization and Utility / MEP
Neutral palette emphasizes cleanliness

Program Overview

ADDITION | EXISTING



EXST PENTHOUSE ROOF
EL +121' - 0"
ROOF LEVEL
EL +118' - 0"

EIGHTH LEVEL
EL +106' - 0"

SEVENTH LEVEL
EL +94' - 0"

SIXTH LEVEL
EL +82' - 0"

FIFTH LEVEL
EL +70' - 0"

FOURTH LEVEL
EL +58' - 0"

THIRD LEVEL
EL +46' - 0"

SECOND LEVEL
EL +34' - 0"

FIRST LEVEL
EL +22' - 0"

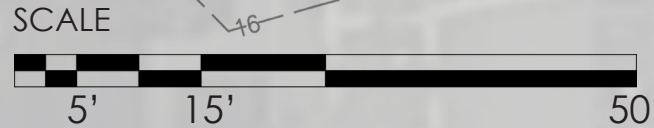
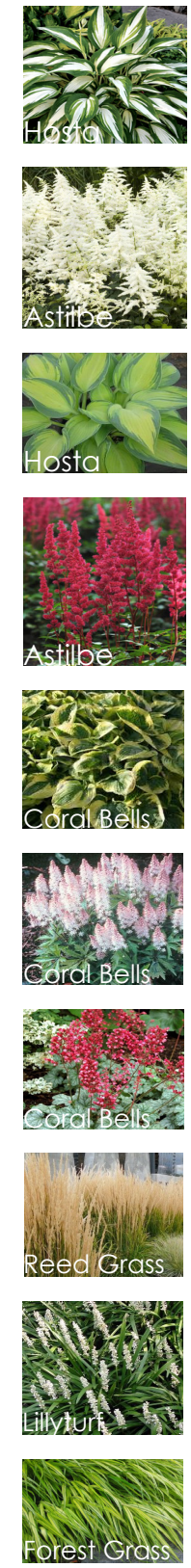


WEST COURT

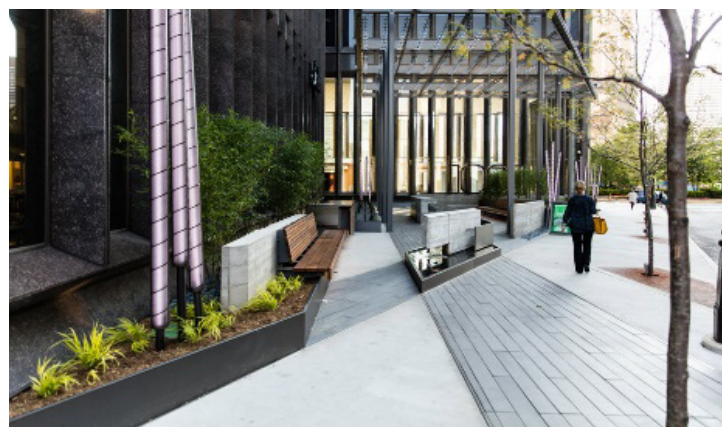
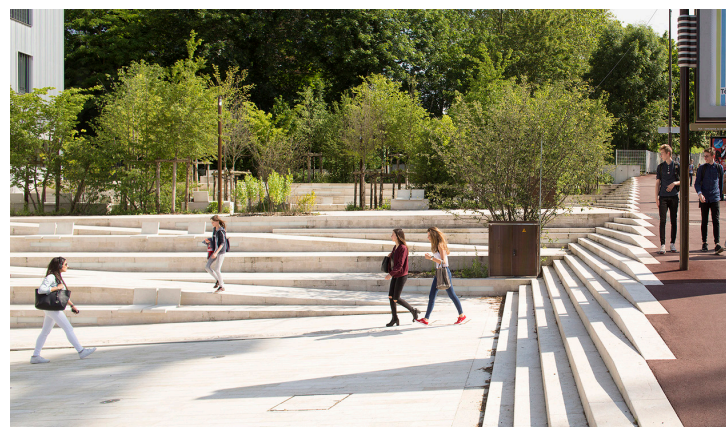
ALBANY STREET

Building Section

Site and Landscape Plan



Site and Landscape Plan

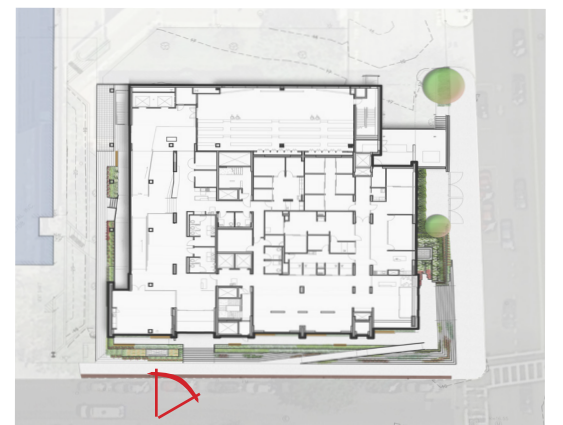
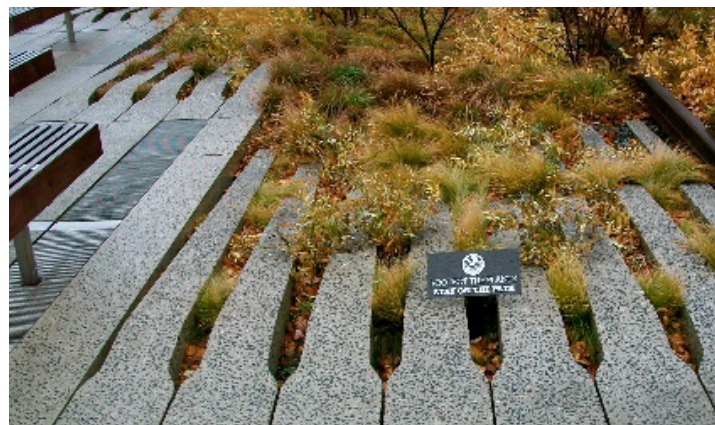


MATERIAL EXAMPLES



KEY PLAN

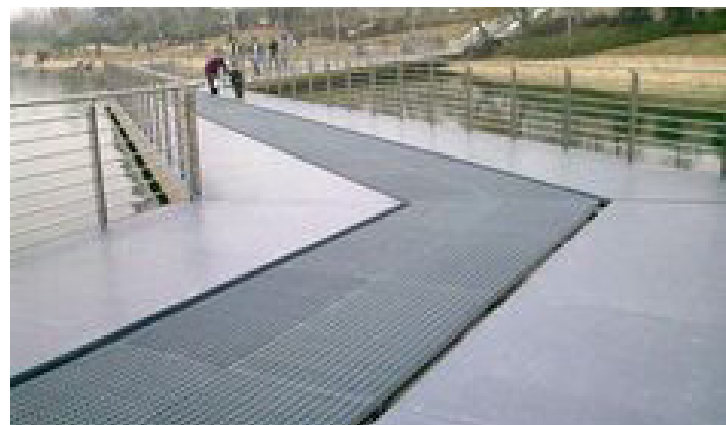
View of Public Entry



MATERIAL EXAMPLES

KEY PLAN

View of Student/Staff/Faculty Entry



View of West Court



MATERIAL EXAMPLES



KEY PLAN



PHENOLIC PANEL

METAL

BRICK

TERRACOTTA

GFRC

GROUND FACED CMU

STAINLESS STEEL

GRANITE

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View Looking West from Albany Street



NEW EXISTING

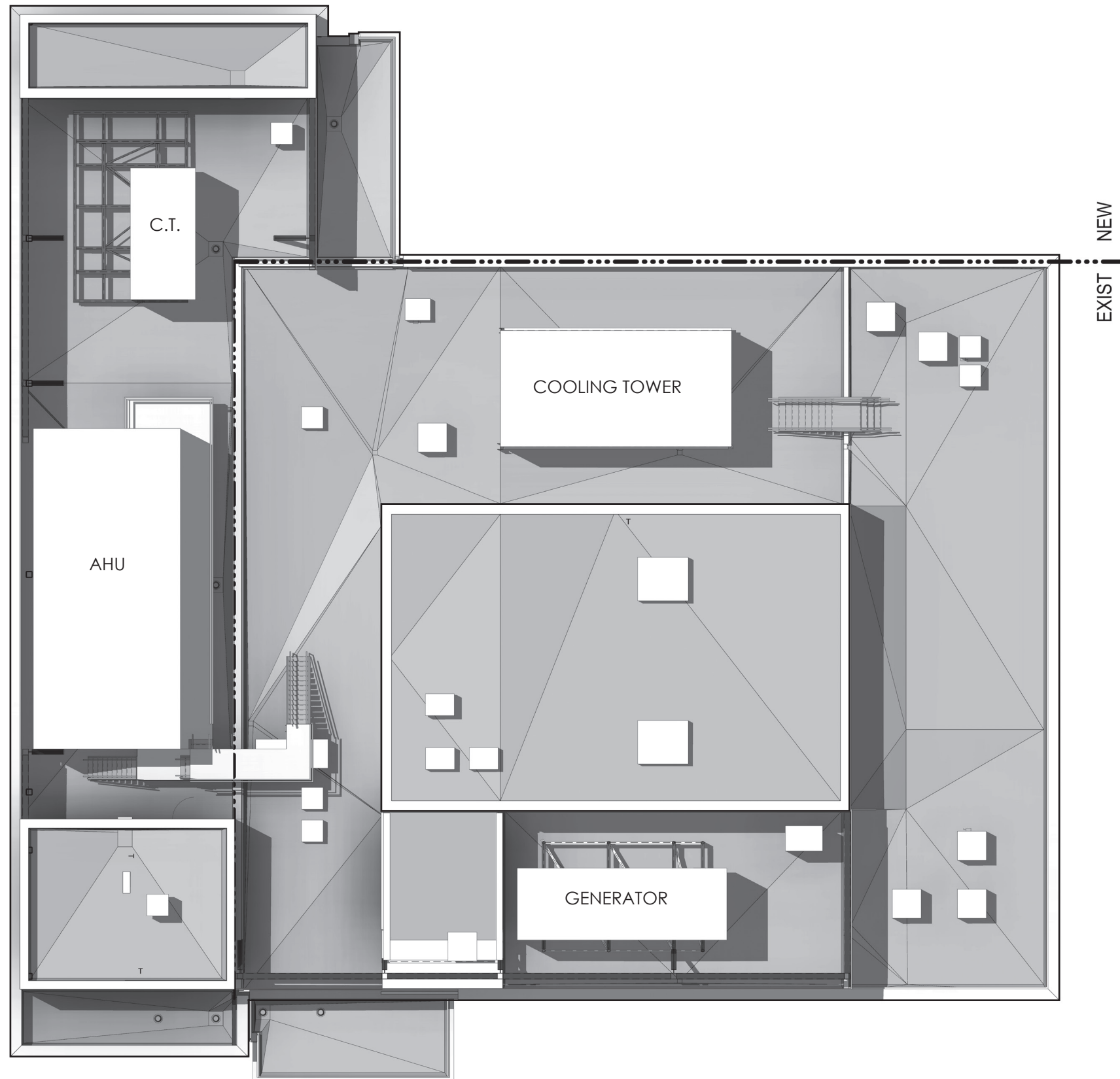
DEPARTMENTAL LEGEND

- STUDENT SPACE
- CLASSROOM
- OFFICE
- LOBBY
- VERTICAL CIRCULATION
- WAITING
- BUILDING SUPPORT



SCALE

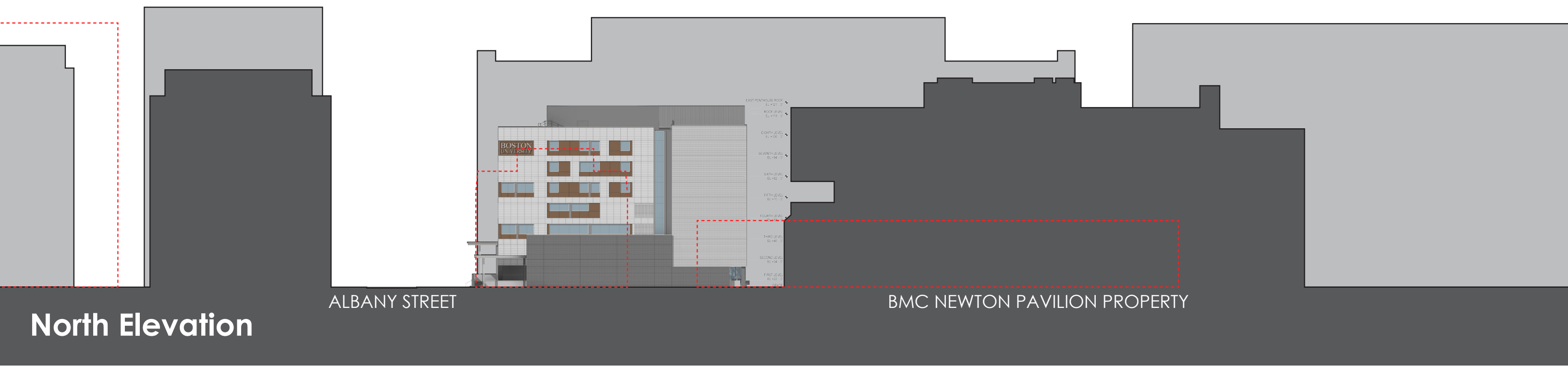




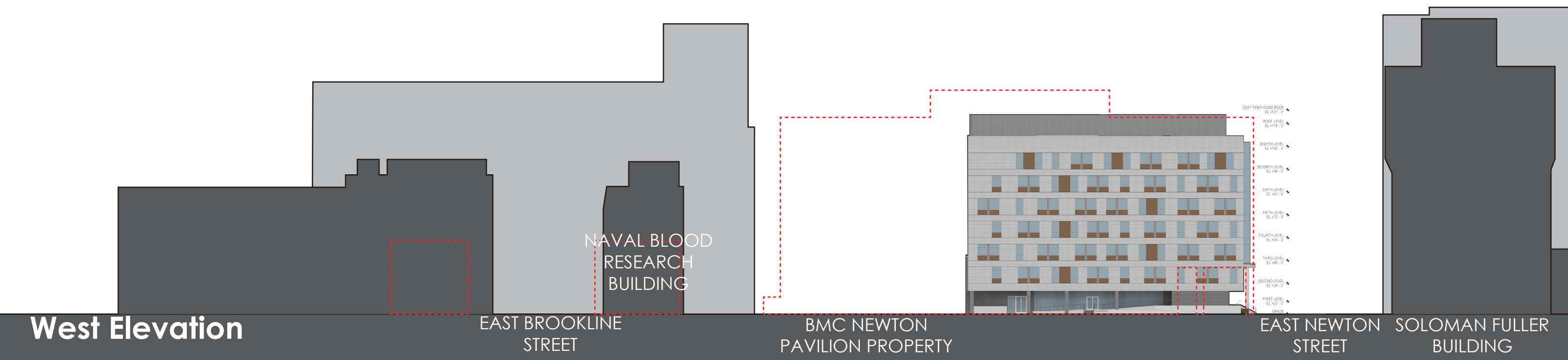
SCALE



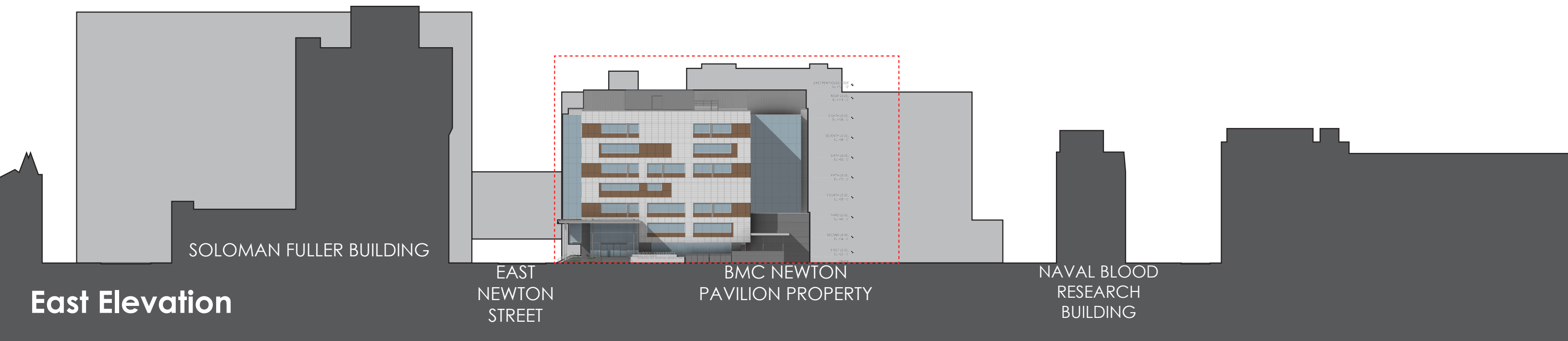
Roof Plan



North Elevation



West Elevation



SUSTAINABILITY GOAL : LEED SILVER



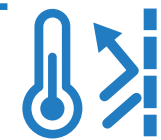
FREE COOLING AT AHU
REDUCED TEMP HEATING
HOT WATER



DOAS. WITH SENSIBLE
REHEAT AND RECIRCULATING
SYSTEM IN PLACE
OF ONCE THRU AIR



DEMAND CONTROL
VENTILATION IN HIGH
OCCUPANCY AREAS



ROOF
EXISTING R-Value : 12
PROPOSED R-Value : 35

WALL
OVERCLADDING
EXISTING R-Value : 1.00
PROPOSED R-Value : 21.22

ADDITION
PROPOSED : 20.66

GLAZING
EXISTING U-Value : 1.25
SHGC : 0.70

PROPOSED U-Value : 0.34
SHGC : 0.21



RAIN WATER CAPTURE /
IRRIGATION @ CANOPY



DROUGHT TOLERANT
NATIVE PLANTS
DRIP IRRIGATION

View Looking East from East Newton Street



View Looking North from Albany Street