

ENGINEERING BUILDING JOINT CAMPUS AREA COMMITTEE

UNIVERSITY OF WISCONSIN-MADISON

DFD PROJECT NO. 21L3J

01-25-2024

PROJECT DESCRIPTION

THE COLLEGE OF ENGINEERING HAS EXPERIENCED AN EXTRAORDINARY **61% GROWTH IN ENROLLMENT** PRESSURE OVER THE LAST DECADE BASED BOTH ON STUDENT DEMAND FOR ENGINEERING DEGREES, AND INDUSTRY DEMAND FOR MORE ENGINEERING WORKFORCE. UNABLE TO ACCOMMODATE THIS DEMAND DUE TO LACK OF SPACE, UW HAS FALLEN BEHIND PEER INSTITUTIONS IN BOTH DEGREES GRANTED AND RESEARCH ENTERPRISE OPPORTUNITIES.

THE NEW ENGINEERING BUILDING WILL BE A **380,000 GSF ACADEMIC AND RESEARCH FACILITY** LOCATED AT THE INTERSECTION OF CAMPUS DRIVE AND RANDALL AVENUE BUILT SPECIFICALLY TO MEET THESE DEMANDS.

THE BUILDING WILL ALSO ALLOW UW TO CONTINUE MEETING IT'S ACADEMIC AND RESEARCH NEEDS INTO THE FUTURE BY UTILIZING A "**RESILIENT CHASSIS**" DESIGN THAT ALLOWS BOTH TEACHING AND RESEARCH LAB SPACES TO BE QUICKLY AND INEXPENSIVELY ADAPTED TO VARIED USES OVER TIME, A NECESSITY FOR A COLLEGE THAT IS BOTH WIDE AND DEEP IN PROGRAMMATIC INVENTORY AND A LEADER IN AN INNOVATIVE AND RAPIDLY EVOLVING FIELDS.

THE PROJECT WILL ALSO **DEMOLISH THE 68,000 GSF COMPUTER AIDED ENGINEERING FACILITY** AT 1410 ENGINEERING DRIVE

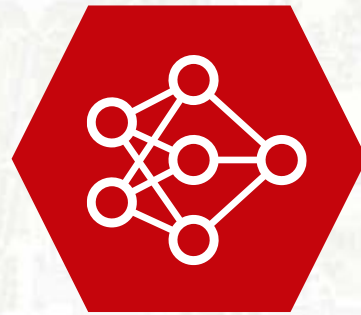
PROJECT VISION AND GOALS

ENGINEERING THE FUTURE: THE SPACE TO GROW

Enable College Enrollment and Faculty **Growth**



Multidisciplinary



Architecturally **Striking** and **Meaningful**



- Modern, flexible, student classroom and laboratory facilities that allow us to provide safe, team-based hands-on engineering education
- Flexible, reconfigurable, safe research spaces that foster collaboration and support our ability to pursue current and emerging research areas
- Nearly all engineering departments will be part of the educational and research aspects of the building
- Maximize use of shared facilities: Enable the college to use resources efficiently, promote collaboration, share spaces and equipment across groups
- Building represents the architectural future of the engineering campus
- Given its prominent location, the building will be the gateway to the College of Engineering
- High functioning to meet research and instructional needs
- Contextual to the campus neighborhood

CAMPUS MASTER PLAN AMENDMENT

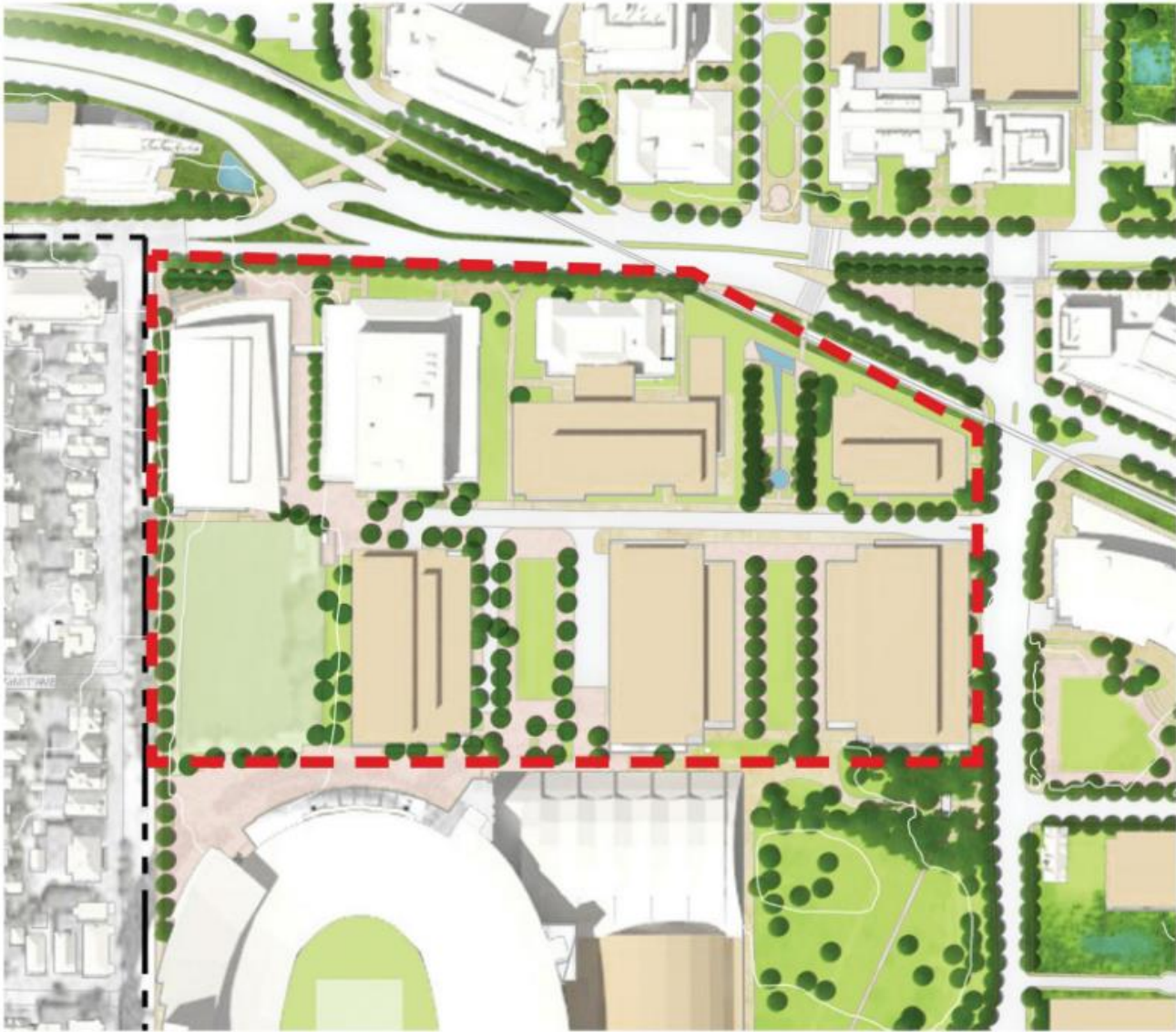
GOALS

THE MASTER PLAN AMENDMENT WILL REVISE THE 2015 CAMPUS MASTER PLAN AND INTEGRATE CHANGES ASSOCIATED WITH THE CURRENT NEW ENGINEERING ACADEMIC/RESEARCH BUILDING (NEW BUILDING) AND THE LONG-RANGE PUBLIC REALM NETWORK WITHIN THE COE DISTRICT.

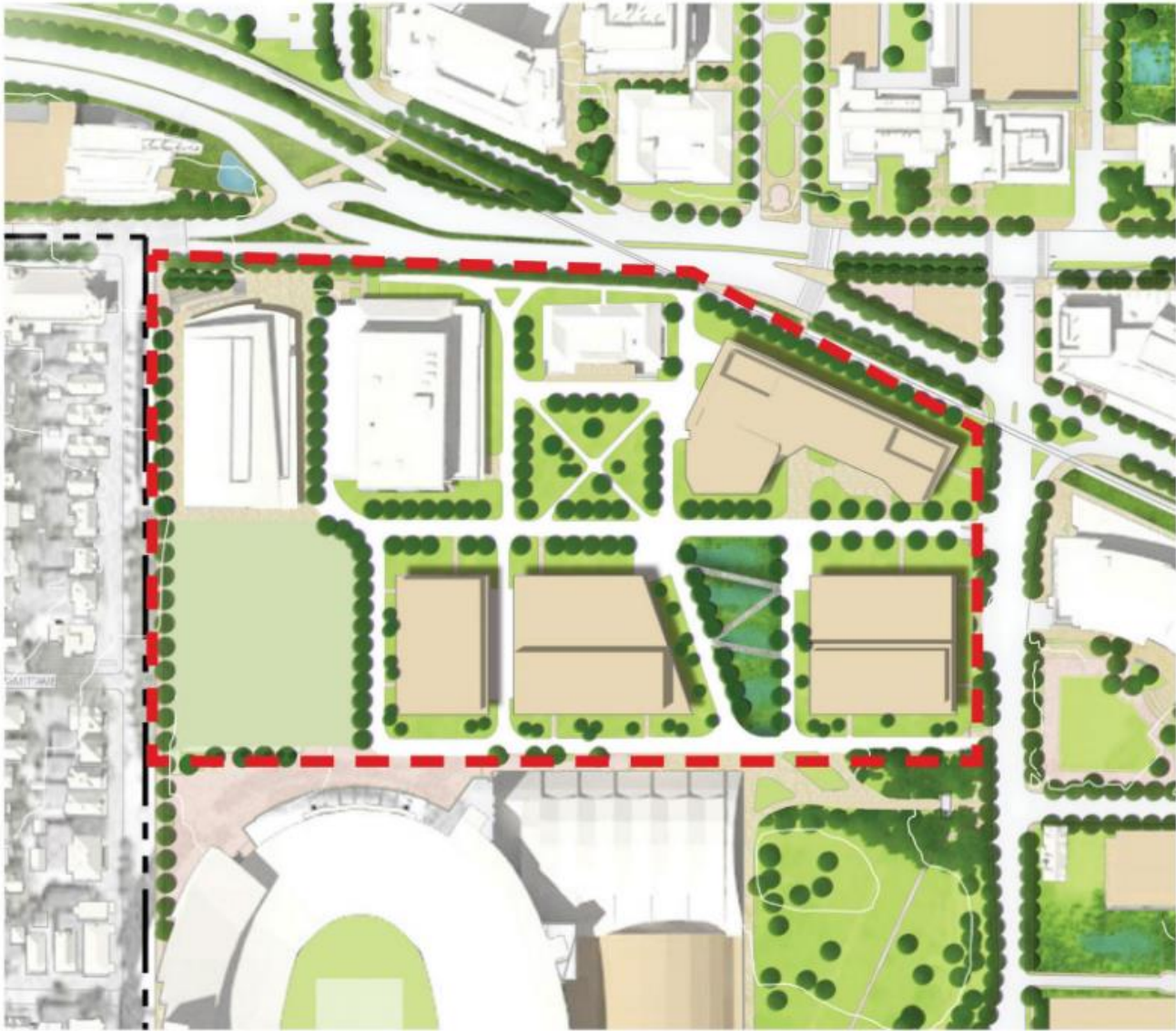
IT WILL **CREATE MORE FLEXIBILITY** WITHIN INDIVIDUAL FLOOR PLANS WHILE **PRESERVING AND ENHANCING** THE QUALITY AND CHARACTER OF CAMPUS OPEN SPACE.

PROPOSED AMENDMENTS

OVERALL PLAN

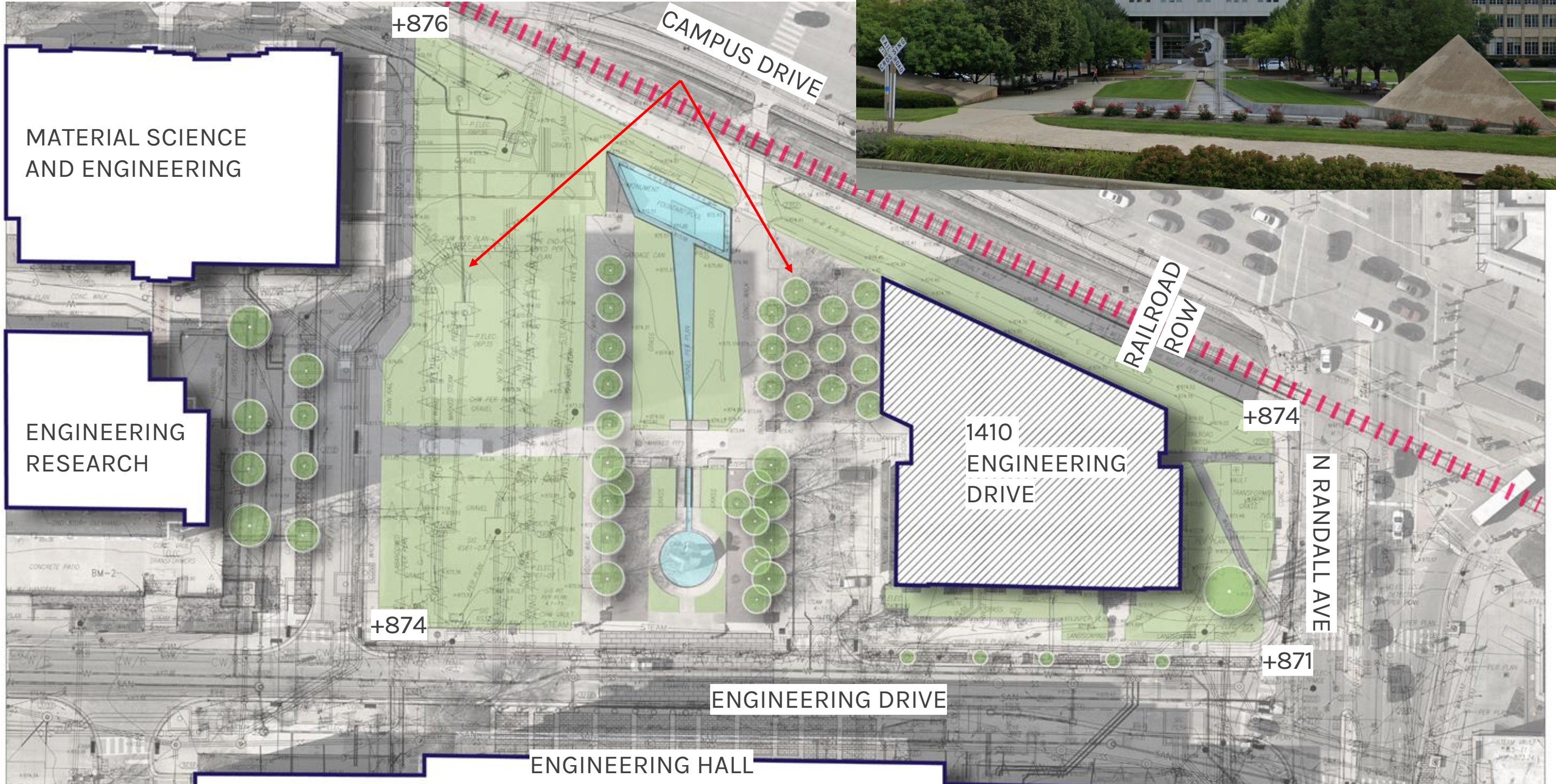


2015 PLAN

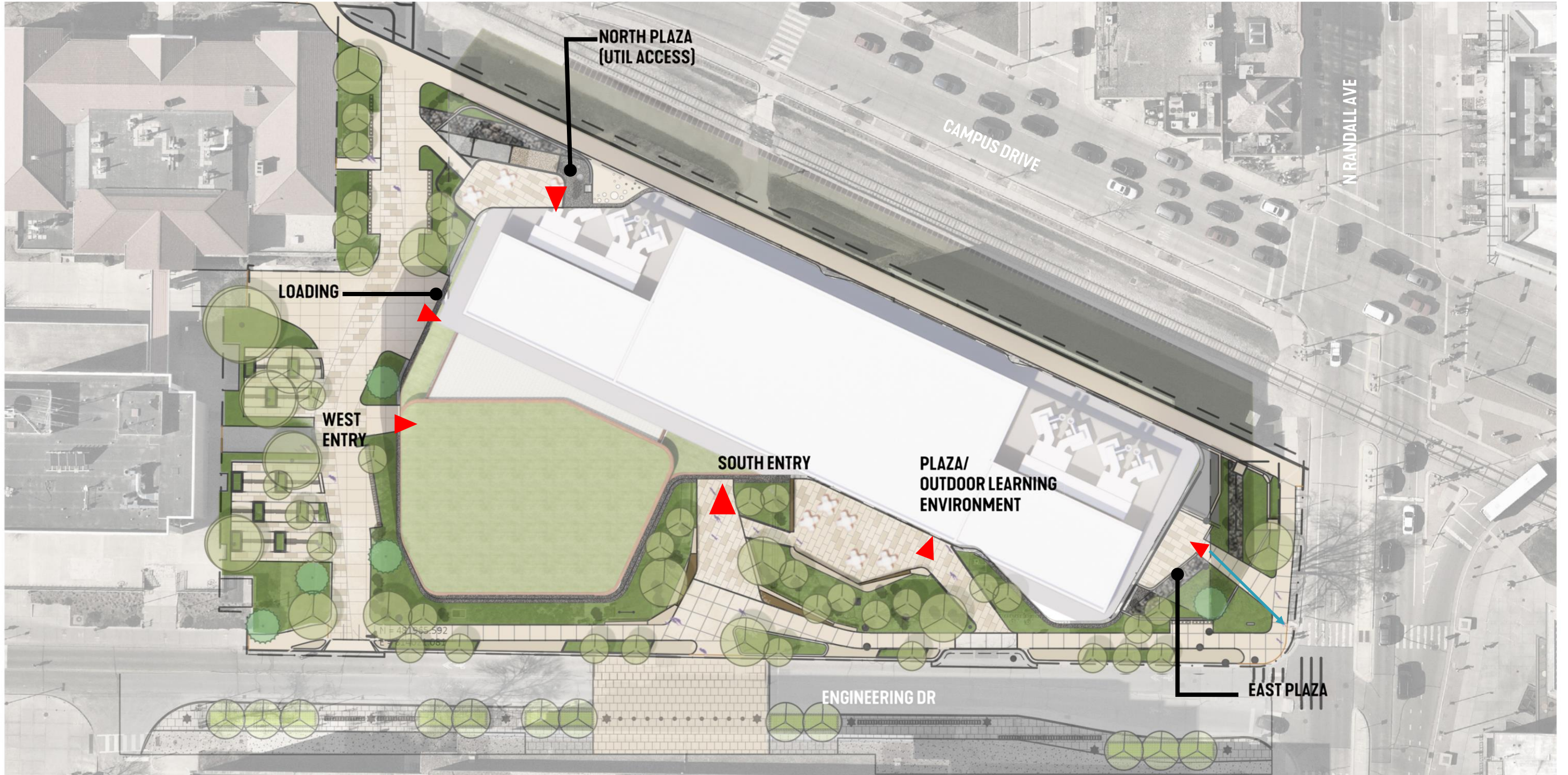


PROPOSED PLAN

SITE EXISTING CONDITIONS



SITE PLAN





EXTERIOR DESIGN

CAMPUS GATEWAY

VIEW FROM NORTH WEST



CAMPUS DRIVE

VIEW FROM NORTH WEST



ENGINEERING DRIVE

VIEW FROM SOUTH WEST



PEDESTRIAN EXPERIENCE

VIEW FROM SOUTH EAST



WATSON
SCHOOL OF ENGINEERING

SOUTH MASSING

VIEW FROM SOUTH EAST



CAMPUS DRIVE

VIEW FROM NORTH EAST



ELEVATION

NORTH



ELEVATION

EAST



OPTION 2 - ELEVATION

SOUTH



ELEVATION

WEST



OVERHEAD

SOUTH WEST



OVERHEAD

NORTH EAST



OVERHEAD

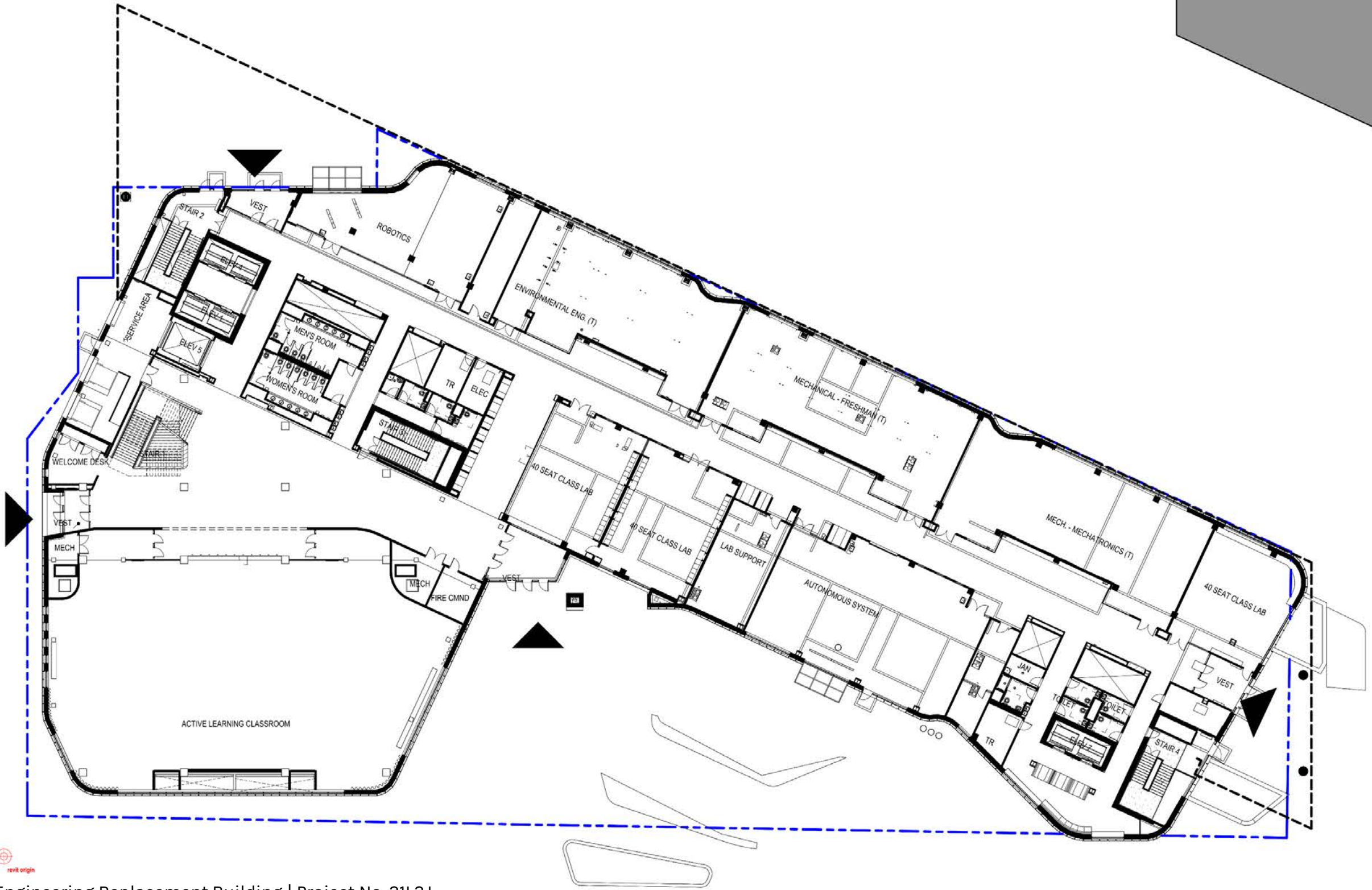
SOUTH EAST





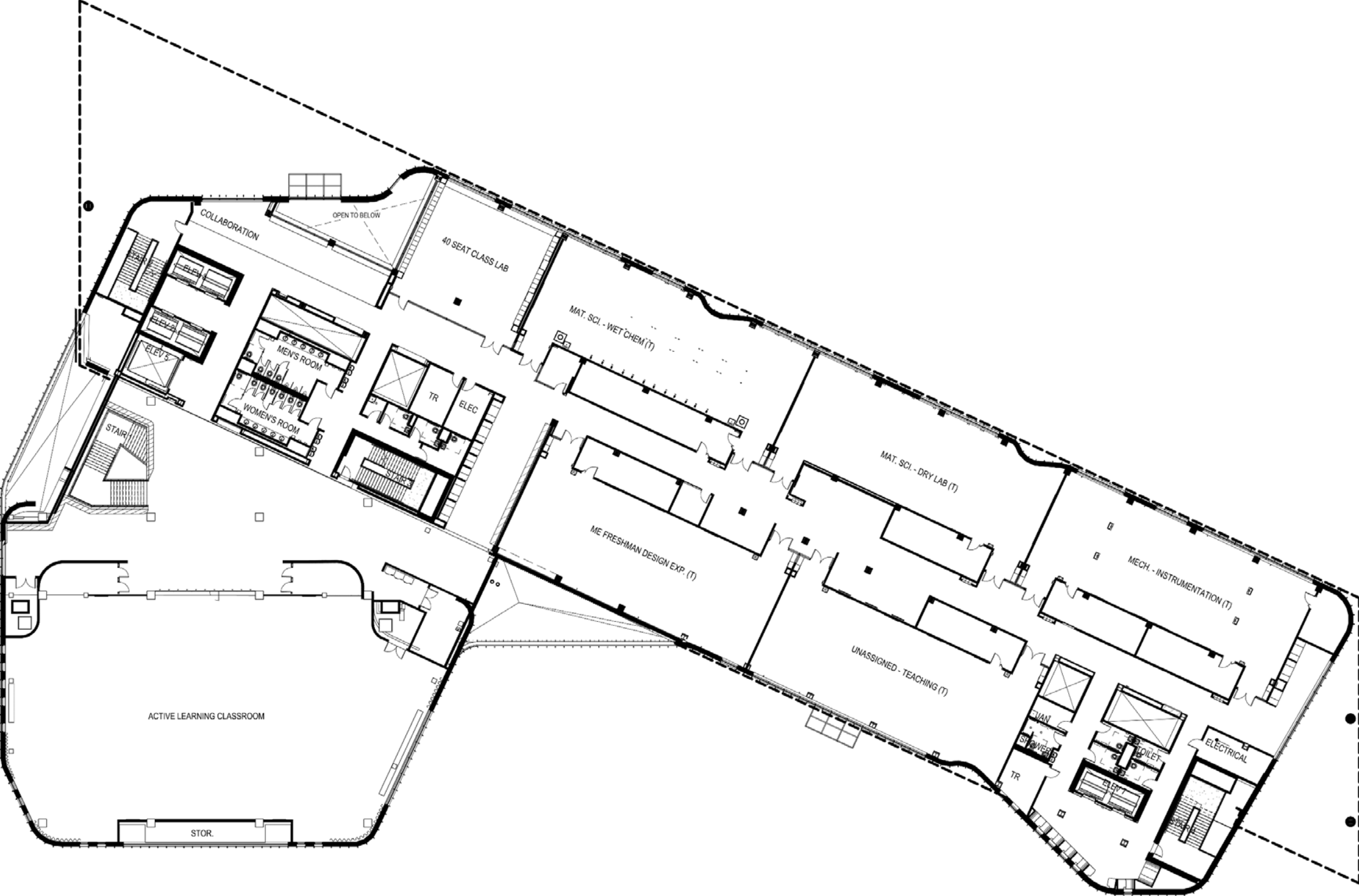
FLOOR PLANS

LEVEL 1 FLOOR PLAN



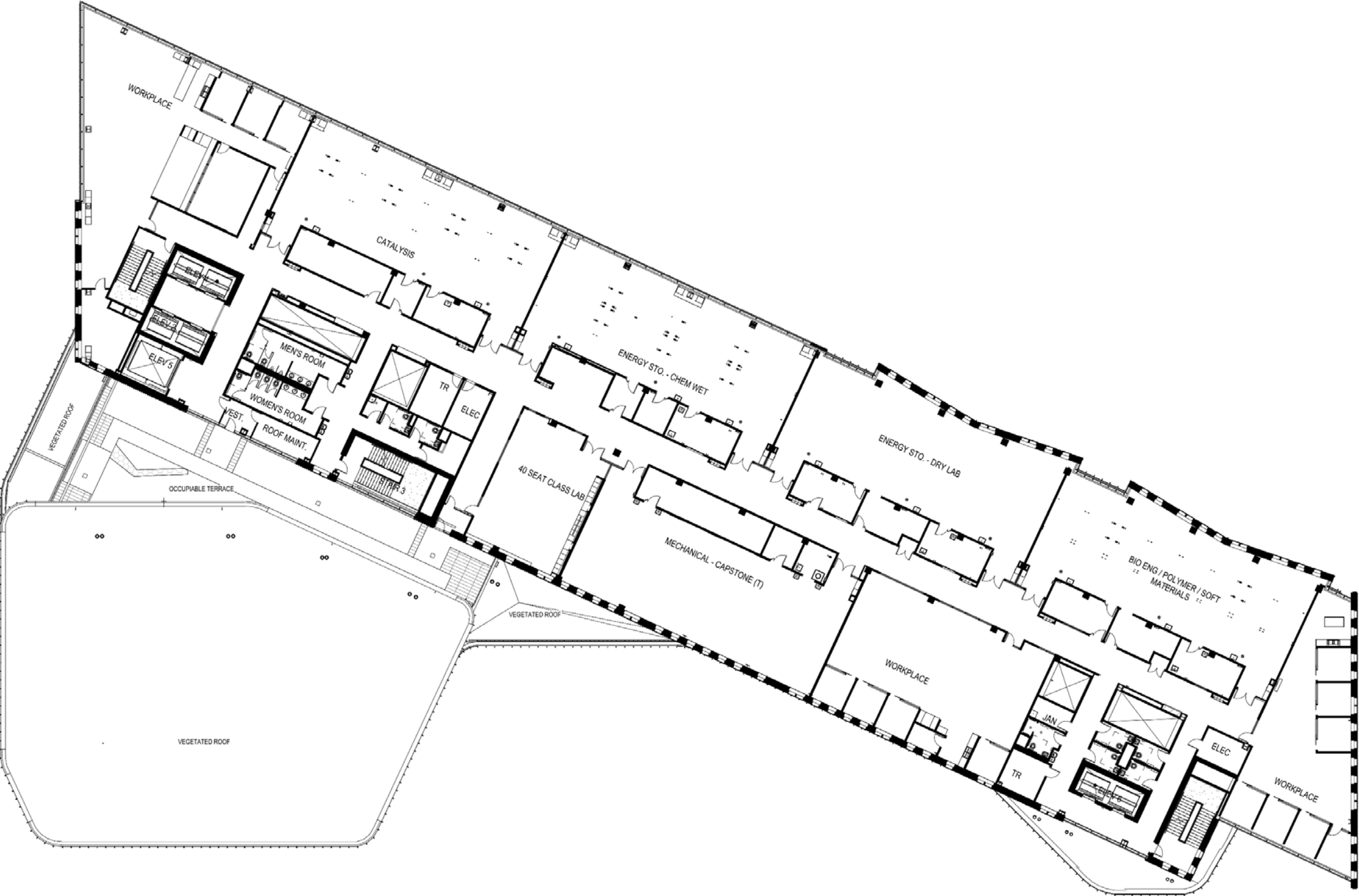
LEVEL 2

FLOOR PLAN



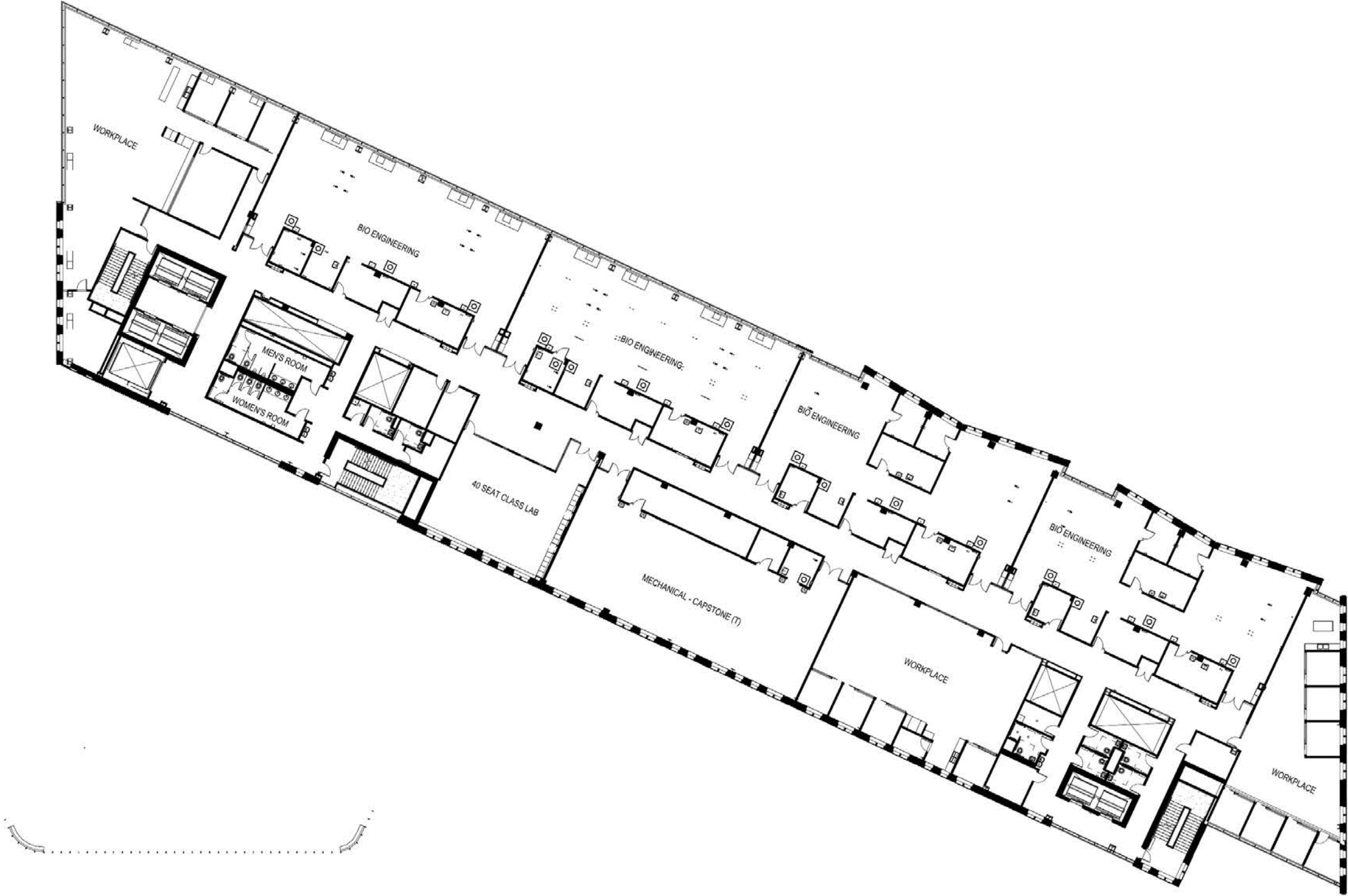
LEVEL 3

FLOOR PLAN



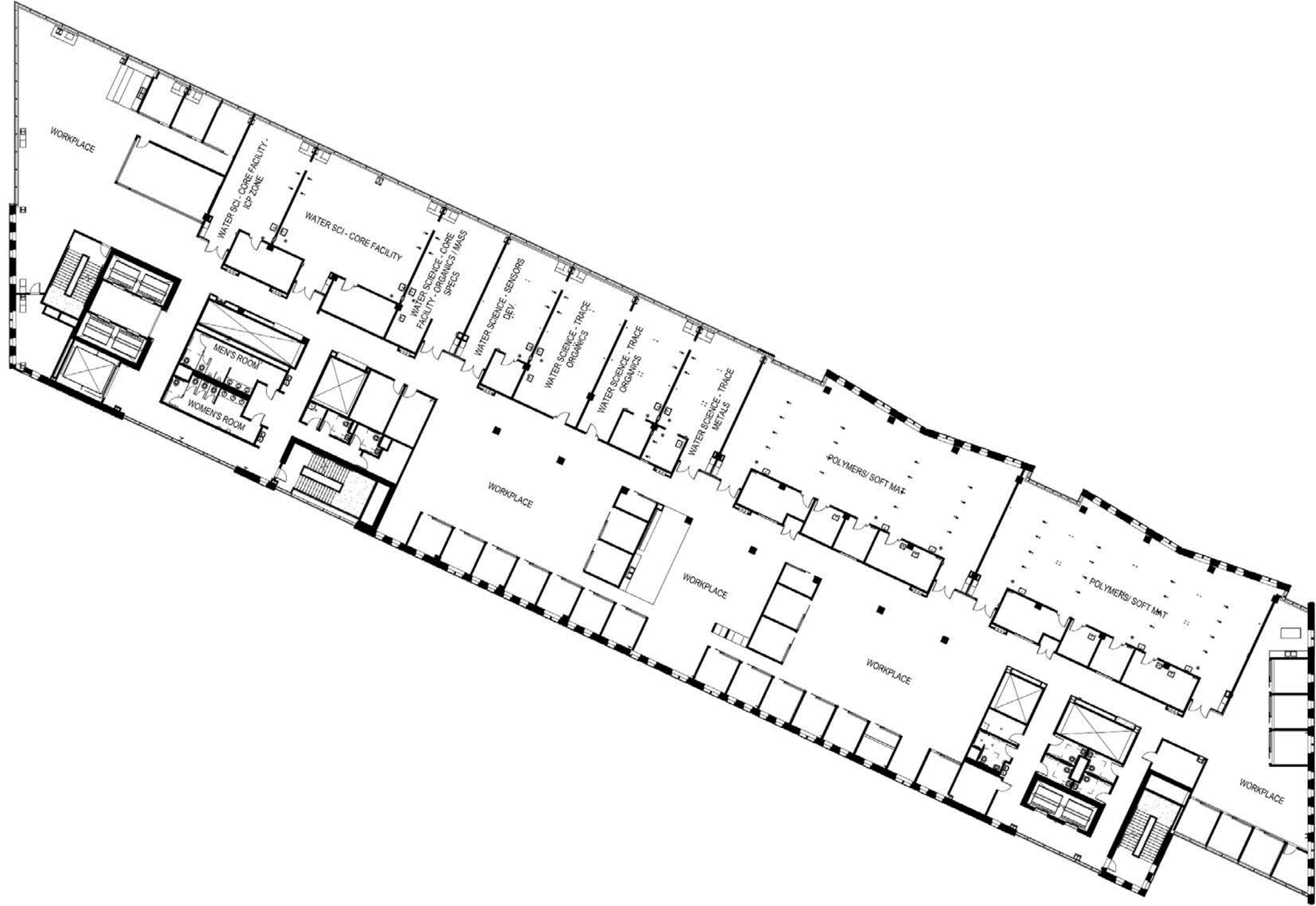
LEVEL 4

FLOOR PLAN



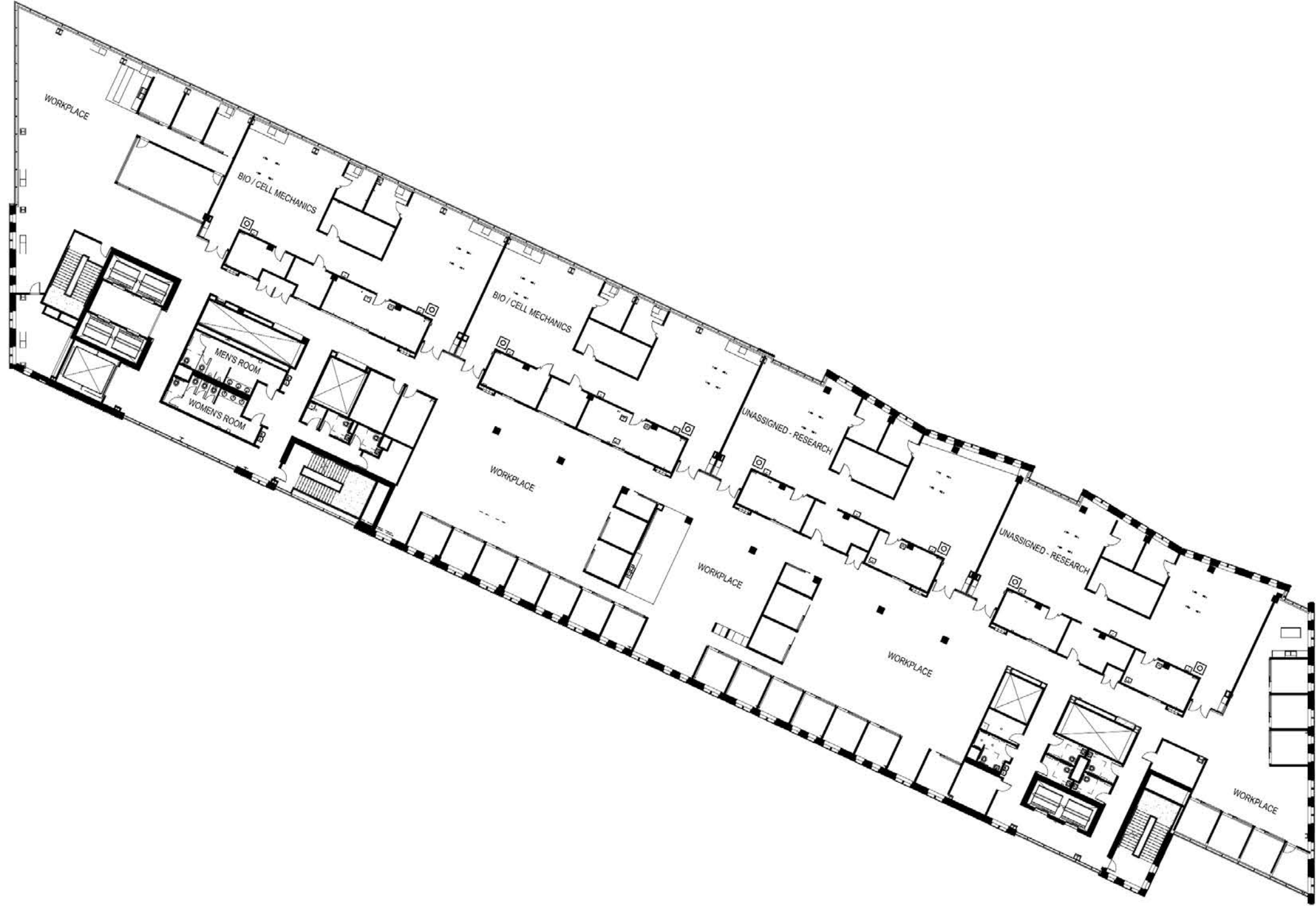
LEVEL 5

FLOOR PLAN



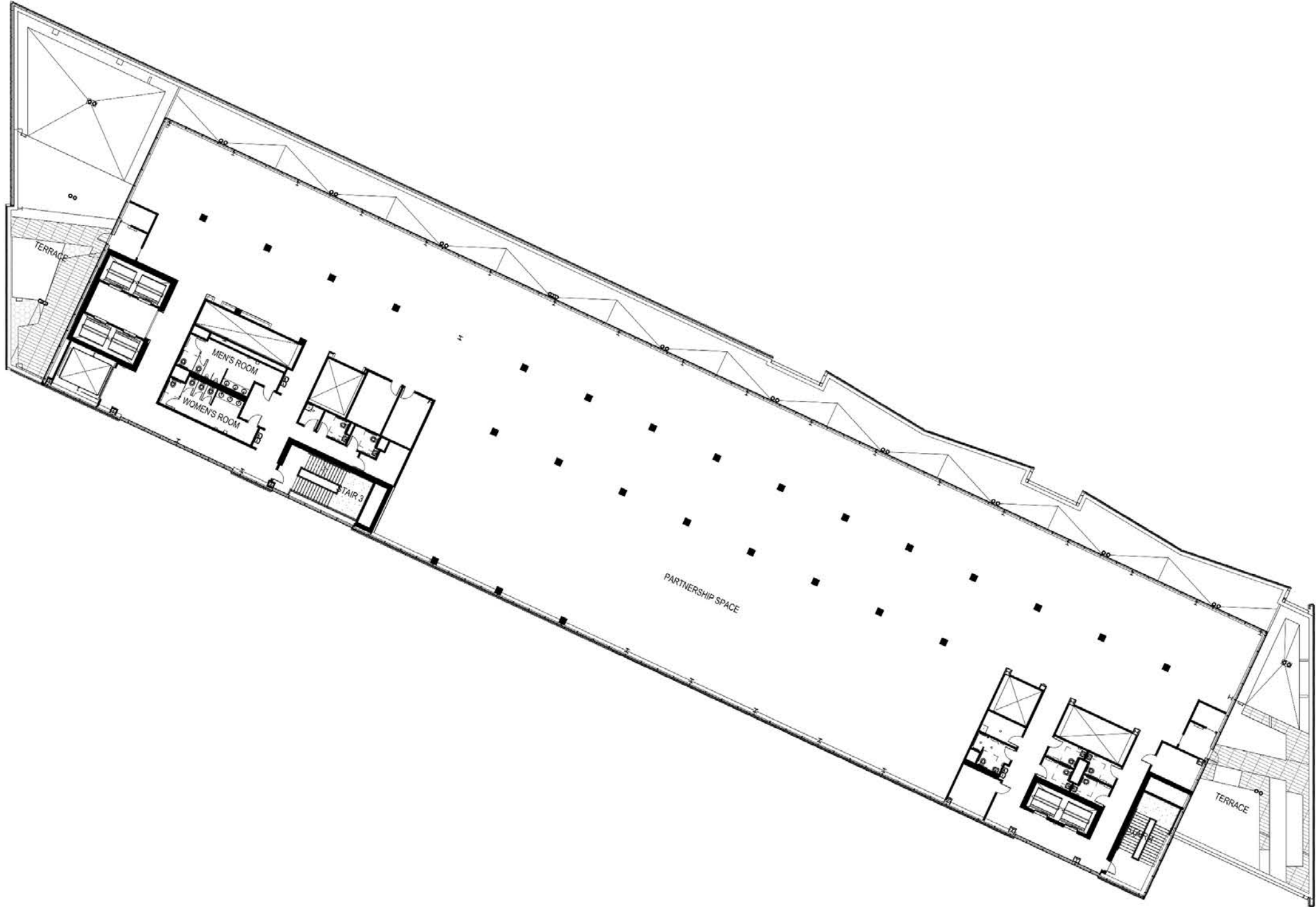
LEVEL 6

FLOOR PLAN



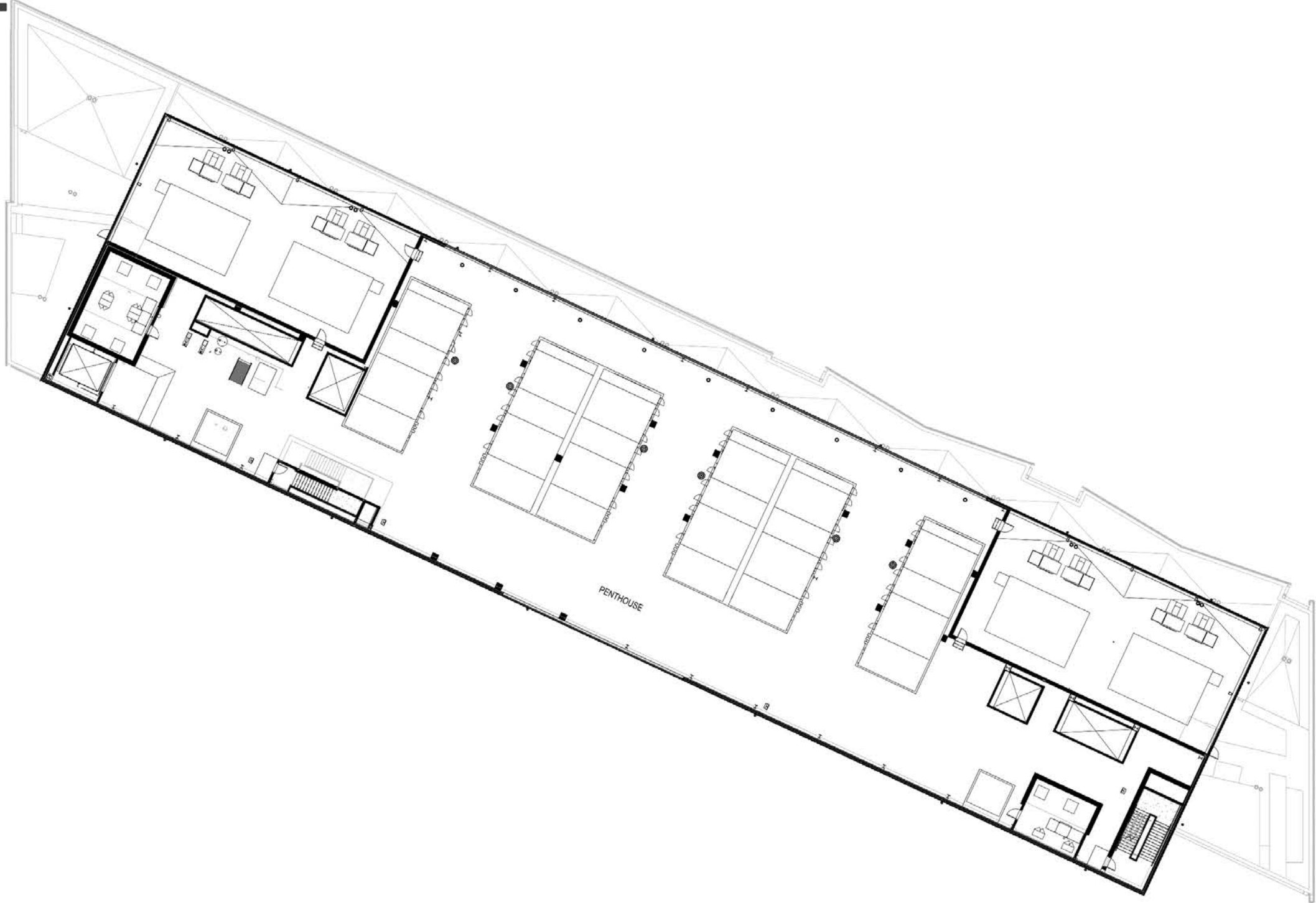
LEVEL 7

FLOOR PLAN



PENTHOUSE

FLOOR PLAN



LEVEL 0

FLOOR PLAN

