St. Mary's College
Goodpaster Hall Lab Renovation

19100 Mathias De Sousa Drive
St. Mary's City, Maryland 20686
Z|S Project Number: 2205

Construction Documents Submission
5 August 2022

BOARD OF ARCHITECTS 12413
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STATE OF MARYLAND

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PROJECT INFORMATION

ST. MARY'S COLLEGE OF MARYLAND, LOCATED IN NATIONAL LANDMARK DISTRICT OF ST. MARY'S CITY, IS AN INSTITUTION COMMITTED TO EXCELLENCE IN HIGHER EDUCATION FOR THE STATE'S ASPIRING POPULATION. THIS PROJECT PROPOSES TO RENOVATE A PORTION OF THE SECOND FLOOR AT GOODPASTER HALL ON ITS CAMPUS TO FURTHER SUPPORT THE EVOLVING MODEL FOR THE TEACHING AND RESEARCH IN SCIENCES.

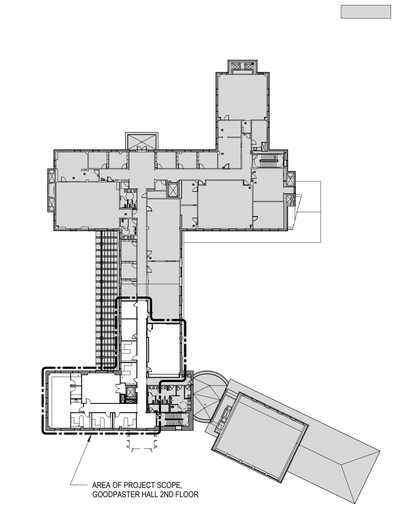
THE 3,000 SF SPACE ON THE SOUTHERN END OF THE SECOND FLOOR AT GOODPASTER HALL IS CURRENTLY SUPPORTING OFFICES AND CLASSROOMS AS PART OF THE COLLEGE'S EDUCATIONAL STUDIES PROGRAM, WHICH WILL BE RELOCATING INTO A NEW ACADEMIC BUILDING IN MAY 2022.

THE VISION IS TO RENOVATE THE SPACE TO PROVIDE WET LABS FOR BIOLOGY AND CHEMISTRY CLASSES AND RESEARCH THAT PROVIDE FLEXIBLE, COLLABORATIVE AND TECHNOLOGY-RICH ENVIRONMENTS. THIS SPACE WILL INCLUDE AN ADDITIONAL TEACHING LAB, LAB PREP ROOM, CELL CULTURE ROOM, FACULTY RESEARCH LAB, FACULTY OFFICES, CLASS ROOM AND SEMINAR ROOM.

THROUGHOUT DEMOLITION & CONSTRUCTION, THE BUILDING WILL REMAIN OPERATIONAL AND SERVING STUDENTS. THE SAFETY OF STUDENTS AND STAFF IS A PRIORITY FOR THE PROJECT, AND THE IMPACT OF CONSTRUCTION ACTIVITIES AND AREAS NEED TO BE COORDINATED WITH COLLEGE.

THE PURPOSE & SCOPE OF THIS EARLY DEMOLITION WORK INCLUDE:

- DEMOLITION AND REMOVAL OF EXISTING OFFICE AND CLASSROOMS.
- CONSTRUCTION OF TEMPORARY ENCLOSURE TO SEPARATE THE DEMOLITION WORK FROM THE REST OF THE BUILDING OPERATION.
- WALL INFIL WHERE AN EXISTING DOOR IS REMOVED.
- MAINTAIN THE USABILITY OF CORRIDOR AS EGRESS PATH & ACCESS TO EGRESS STAIR.



PROJECT SCOPE

0 20' 40'

1" = 40'-0"

F2

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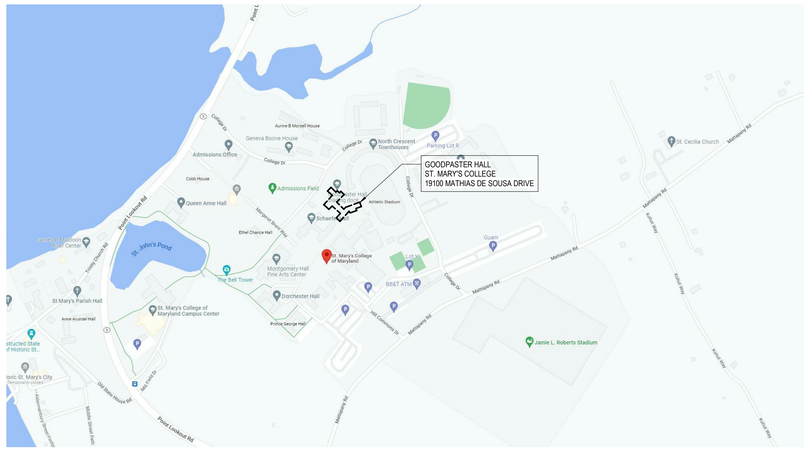

VICINITY MAP

N.T.S.

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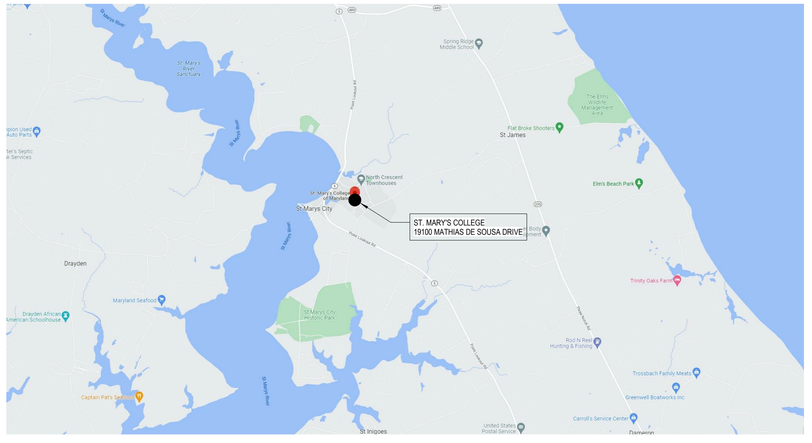

LOCATION MAP

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DISCIPLINES

G - GENERAL
S - STRUCTURAL
AR - ARCHITECTURAL REFERENCE
AD - ARCHITECTURAL DEMOLITION
A - ARCHITECTURAL
M - MECHANICAL
P - PLUMBING
FP - FIRE PROTECTION
FA - FIRE ALARM
E - ELECTRICAL
TA - TELECOMMUNICATIONS / AUDIO VISUAL

DRAWING CATEGORY (ARCH):

0 - GENERAL
1 - FLOOR PLANS
2 - REFLECTED CEILING PLANS
3 - BUILDING ELEVATIONS & SECTIONS
4 - DETAILS
7 - INTERIORS
8 - SCHEDULES

DRAWING LIST

GENERAL
G.000 COVER SHEET
G.001 SHEET INDEX & GENERAL INFORMATION

G.110 LIFE SAFETY PLANS

G.300 3D VIEWS

STRUCTURAL
S.001 GENERAL STRUCT NOTES, LEGEND, ABBREVIATIONS.
S.101 FLOOR FRAMING PLANS
S.501 SECTIONS AND DETAILS

ARCHITECTURE
AR.000 ARCH SYMBOLS, MATERIALS, & ABBREVIATIONS
AR.001 PROJECT STANDARDS AND MOUNTING SCHEDULE

ARCHITECTURE
AD.100 DEMOLITION PLAN & RCP

ARCHITECTURE
A.010 CONSTRUCTION TYPES SCHEDULE - INTERIOR
A.011 CONSTRUCTION TYPES SCHEDULE - PARTITION DETAILS

A.100 FLOOR PLANS

A.200 REFLECTED CEILING PLANS

A.310 BUILDING SECTIONS

A.700 LABORATORY CASEWORK AND TYPICAL CONDITIONS
A.711 LAB SUITE - ENLARGED PLAN, RCP & INTERIOR ELEVATIONS
A.712 LAB SUITE - INTERIOR ELEVATIONS
A.741 MILLWORK/CASEWORK DETAILS - LAB BENCHES
A.742 MILLWORK/CASEWORK DETAILS
A.743 INTERIOR DETAILS

A.800 DOOR / FINISH / SIGNAGE SCHEDULE

MECHANICAL
M.001 MECHANICAL LEGEND

MD.103 SECOND FLOOR PLAN - DUCTWORK DEMOLITION
MD.203 SECOND FLOOR PLAN - HVAC PIPING DEMOLITION

M.103 SECOND FLOOR PLAN - DUCTWORK NEW WORK
M.104 ATTIC LEVEL - MECHANICAL NEW WORK
M.203 SECOND FLOOR PLAN - HVAC PIPING NEW WORK
M.501 MECHANICAL DETAILS & SCHEDULES
M.601 MECHANICAL SCHEMATICS
M.602 MECHANICAL SCHEMATICS

PLUMBING
P.001 PLUMBING LEGEND

PD.103 SECOND FLOOR PLAN - PLUMBING DEMOLITION

P.101 BASEMENT PLAN - PLUMBING NEW WORK
P.102 FIRST FLOOR PLAN - PLUMBING NEW WORK
P.103 SECOND FLOOR PLAN - PLUMBING NEW WORK
P.601 PLUMBING DETAILS AND SCHEMATICS

ELECTRICAL
E.001 ELECTRICAL LEGEND

ED.103 SECOND FLOOR PLAN - LIGHTING DEMOLITION
ED.203 SECOND FLOOR PLAN - POWER DEMOLITION

E.103 SECOND FLOOR PLAN - LIGHTING & FIRE ALARM NEW WORK
E.203 SECOND FLOOR PLAN - POWER NEW WORK
E.204 ATTIC PLAN - ELECTRICAL POWER NEW WORK

AUDIO-VISUAL
TA.001 AUDIO VISUAL SYMBOLS & NOTES
TA.101 LEVEL 2 FLOOR PLAN
TA.102 LEVEL 2 CEILING PLAN

TA.301 SECTIONS & ELEVATIONS

TA.401 BLOCK DIAGRAMS - TEACHING LAB & CLASSROOM
TA.402 SEMINAR BLOCK DIAGRAM & PLATE DETAILS
TA.403 EQUIPMENT RACK ELEVATIONS

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BOARD OF ARCHITECTS 12413 ZIGER / SNEAD LLP STATE OF MARYLAND

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SHEET INDEX & GENERAL INFORMATION

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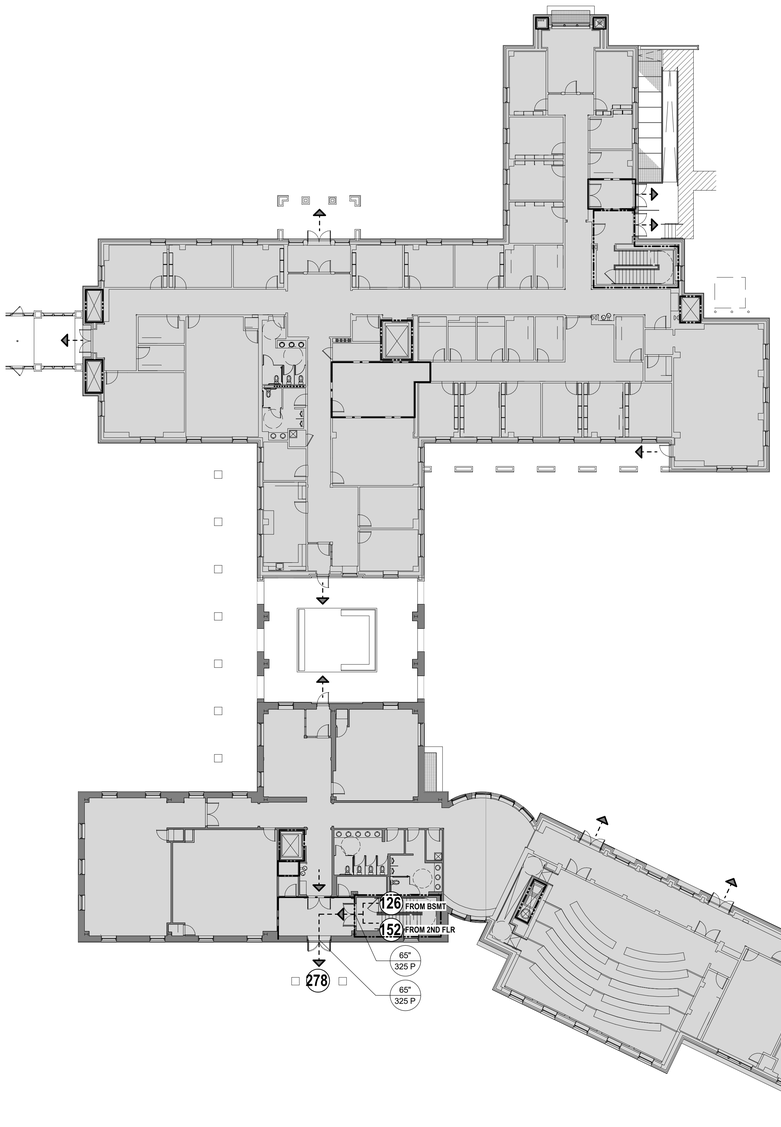

LIFE SAFETY PLAN - LEVEL 1

0 8' 16'

1/16" = 1'-0"

C6

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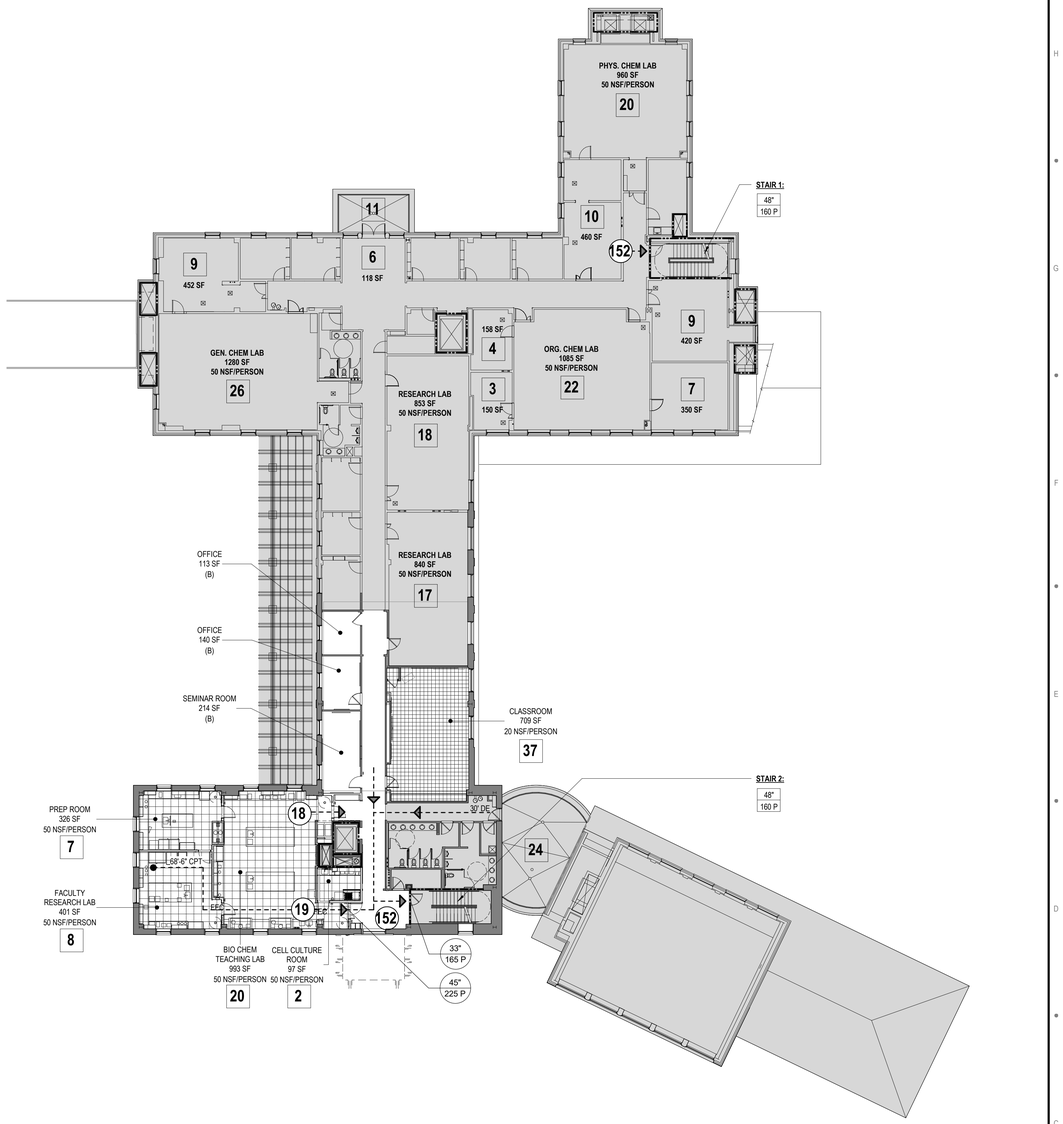

LIFE SAFETY PLAN - LEVEL 2

0 8' 16'

1/16" = 1'-0"

C1

G.110

LIFE SAFETY LEGEND

- MOST REMOTE POINT PER STORY
- XX' TD / XX' CPT — TRAVEL DISTANCE COMMON PATH OF TRAVEL
- EGRESS PATH
- DIRECTION OF EGRESS TRAVEL
- EGRESS DISCHARGE AT LEVEL ABOVE / BELOW
- SMOKE BARRIER, ETR
- 1-HR WALL RATING, ETR
- 2-HR WALL RATING, ETR

ROOM TAG:

- ROOM / 150 SF — ROOM NAME / ROOM AREA (NET OR GROSS SF)
- OCCUPANCY — OCCUPANCY TYPE
- 23 — ROOM / SPACE OCCUPANT LOAD
- 23 — OCCUPANT LOAD SERVED BY DESIGNATED EGRESS COMPONENT

DOOR EGRESS:

- 37" / 220 P — CLEAR DIMENSION PROVIDED BY EGRESS DOOR, OR ASSEMBLY OF EGRESS DOORS. DIMENSION PROVIDED IS 3" LESS PER LEAF(S) FOR DOOR OPENING TYPICAL
- NUMBER OF PERSONS ACCOMMODATED BY CLEAR DIMENSION PROVIDED, BASED ON 0.2" PER OCCUPANT

STAIR EGRESS:

- 37" / 165 P — CLEAR DIMENSION PROVIDED BY EGRESS STAIR, INCLUDING HANDRAIL ENCROACHMENT
- NUMBER OF PERSONS ACCOMMODATED BY CLEAR DIMENSION PROVIDED, BASED ON 0.3" PER OCCUPANT

EQUIPMENT / DEVICES:

- FE — FIRE EXTINGUISHER
- FEC — FIRE EXTINGUISHER CABINET
- FAAP — FIRE ALARM ANNUNCIATOR PANEL
- NOT IN SCOPE
- EXISTING CONSTRUCTION

OCCUPANCY LEGEND:

- ASSEMBLY (A-1) - FIXED SEATS — NUMBER OF SEATS
- ASSEMBLY (A-2) - UNCONCENTRATED — 15 NSF / PERSON
- ASSEMBLY (A-2) - CONCENTRATED — 7 NSF / PERSON
- ASSEMBLY (A-3) - GALLERY/MUSEUM — 30 NSF / PERSON
- ASSEMBLY (A-3) - STANDING — 5 NSF / PERSON
- BUSINESS (B) — 150 GSF / PERSON
- KITCHENS, COMMERCIAL (B) — 200 GSF / PERSON
- EDUCATION (E) - LAB / SHOP — 50 NSF / PERSON
- EDUCATION (E) - CLASSROOM — 20 NSF / PERSON
- MERCANTILE (M) — 60 GSF / PERSON
- RESIDENTIAL (R-2) - MULTI-FAMILY — 200 GSF / PERSON
- MERCANTILE- STORAGE, STOCK, SHIPPING AREAS — 300 GSF / PERSON

BASEMENT FLOOR SUMMARY: EXISTING TO REMAIN
TOTAL FLOOR AREA: 16,541 SF
TOTAL NUMBER OCCUPANTS: 252

1ST FLOOR SUMMARY (NORTH): EXISTING TO REMAIN
TOTAL FLOOR AREA: 12,478 SF
TOTAL NUMBER OCCUPANTS: 257

1ST FLOOR SUMMARY (SOUTH): EXISTING TO REMAIN
TOTAL FLOOR AREA: 9,591 SF
TOTAL NUMBER OCCUPANTS: 375

2ND FLOOR SUMMARY:
TOTAL FLOOR AREA: 17,349 SF

EDUCATION (E) - CLASSROOM / INTERACTION:	842 SF /	43 OCCUPANTS
EDUCATION (E) - LAB/SHOP:	8797 SF /	176 OCCUPANTS
MECH/ELEC:	145 SF	
REMAINDER (B):	7565 SF /	51 OCCUPANTS
EXTERIOR BALCONIES:	677 SF /	34 OCCUPANTS

304 OCCUPANTS TOTAL

3RD FLOOR SUMMARY (MECH/ELEC ATTIC): EXISTING TO REMAIN
TOTAL FLOOR AREA: 10,367 SF
TOTAL NUMBER OCCUPANTS: 35

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LIFE SAFETY PLANS

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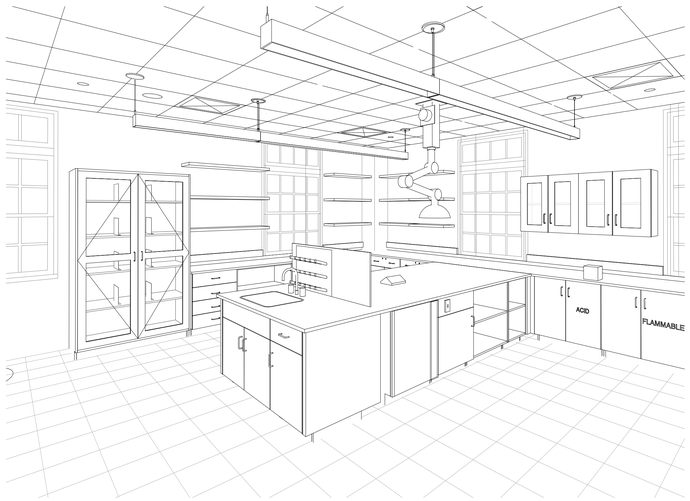
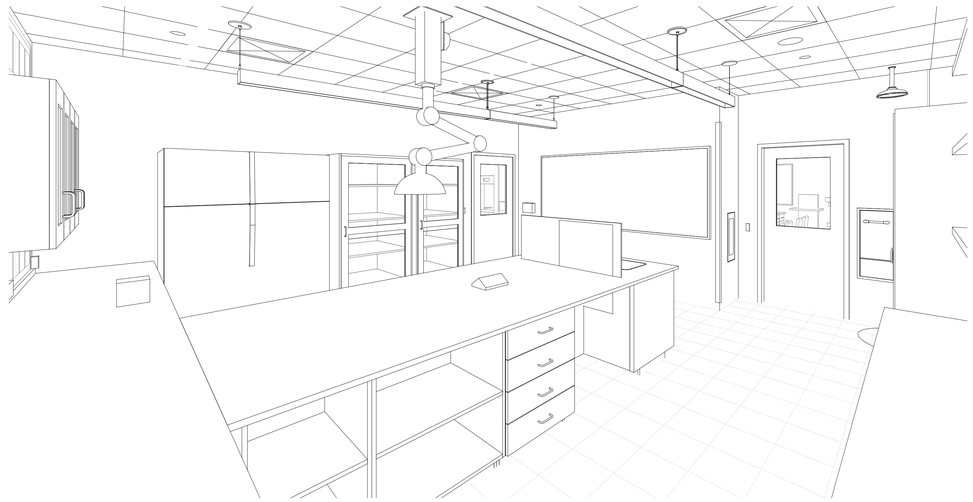
PREP ROOM

FACULTY RESEARCH LAB





TEACHING LAB

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3D VIEWS

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