



SHILEY-MARCOS  
CENTER for DESIGN & INNOVATION  
**NAMING OPPORTUNITIES**



**“FIND YOUR PASSION,  
FIND WHAT YOU’RE GOOD AT,  
EMBRACE IT AND DO IT.”**

**—Donald P. Shiley ’51**

*Innovator & Benefactor*

*January 19, 1920 – July 31, 2010*

## Donald & Darlene Shiley

Donald Shiley’s dedication to University of Portland was born decades ago when he became one of the first to study in the gleaming new Engineering Hall. Here on The Bluff, he was a superb student, finishing first in his class.

Upon his graduation in 1951, he went to work with Oregon engineer and inventor, Lowell Edwards – a job that brought the vast skills of Donald Shiley to bear on the million problems of medical engineering. By 1955 he was a master engineer itching to work for himself. He started the Shiley Company and in 1971 brought to market the first tilting disk heart valve. The Shiley Company sent these valves to hearts across the globe, saving thousands of lives.

After he and his wife Darlene sold the Shiley Company, they focused on philanthropic pursuits. Their generosity and commitment to University of Portland kindled tremendous growth for the engineering program. In 2007, they made a significant benefaction in support of the renovation and expansion of the now-named Donald P. Shiley School of Engineering. After Donald’s passing in 2010 Darlene made another landmark gift to endow the Shiley School of Engineering.

Today, Darlene Marcos Shiley continues the philanthropic journey she started with her late husband. President of the Shiley Foundation and a member of University of Portland’s Board of Regents, she has become a legendary benefactor of the arts, medical research, and education in her own right. Her lead gift to the Shiley-Marcos Center for Design & Innovation builds on her husband’s legacy. It secures a future in everything he stood for – collaboration across disciplines that hones one’s gifts and changes the world for the better.





SHILEY-MARCOS CENTER for  
DESIGN & INNOVATION

## A space for inventors.

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We are committed to educating tomorrow's students in the spirit of the Holy Cross mission: *as active members of society who value integrity, collaboration, creativity, diversity, and who are ready to solve problems we face as a global community.* The familial atmosphere of the Shiley-Marcos Center for Design & Innovation will feed the imagination and welcome curious learners from all over campus to intermingle, overlap, and relate in new ways. As an inclusive hub for creativity and collaboration at the University of Portland, students from many disciplines will use the space to fully engage in hands-on, experiential learning.

The Center provides spaces and resources for ideation, prototyping, testing, digital design and technology, virtual and augmented reality, fabrication, machining, and industry partner projects. Open, collaborative meeting spaces, study lounges, and faculty and staff offices round out the offerings.

**With space to stretch, opportunities to cultivate relationships, and tools to create, the Center will inspire students to go beyond professional success; here, they will find true purpose.**

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**"WE ARE PROVIDING OUR STUDENTS WITH THE CONTEXT TO FIND NOT JUST PROFESSIONAL SUCCESS, BUT PURPOSE."**

**—Brian Fabien, PhD**

*Dean & Professor of Mechanical Engineering  
Shiley School of Engineering*





NAMING OPPORTUNITIES

# Industry Partner Space

Industry and community partnerships are critical in the transformation from student to professional. These relationships support the Shiley School of Engineering's vision to prepare students with the technical excellence, social integrity, environmental consciousness, and leadership traits essential to identify and solve the world's problems. They not only offer applied learning, but also career and networking opportunities.

This Industry Partner Space is dedicated to collaborative, project-based work. It will be the home of cross-campus, interdisciplinary efforts where artists, engineers and computer scientists work with industry partners to solve problems of the day.







NAMING OPPORTUNITIES

# Adaptable Project Spaces

The Center has two spaces dedicated to adaptable large projects. These areas can be used by student clubs or engineering groups to explore large-scale, multidisciplinary projects like the NASA Mars Rover Robotics project, the Electric Vehicle Grand Prix project, and the Formula SAE Electric Vehicle project.

Designed for flexibility, the furniture and layout of the Adaptable Project Spaces can easily be rearranged to best suit the activities and instructional approach in use.







NAMING OPPORTUNITIES

# Combustion & Propulsion Lab

As a space for advanced research and development, this lab includes three testing cells for combustion and propulsion experimentation. Students will use the lab to understand the effects of fuel chemistry on ignition, as well as potential emissions impacts.

The Combustion & Propulsion Lab will allow students and faculty to develop efficient engine designs using today's technology, as well as advanced combustion concepts of the future.







NAMING OPPORTUNITIES

# Capstone & Competition Team Shop

Particularly in the engineering world, capstones are multifaceted and bring together much of what students have learned during their time in a program. A flexible shop with dedicated team workstations offers the space and resources necessary to explore these projects fully.

The Capstone & Competition Team Shop will foster collaboration between student teams – those working on capstone and club projects from design, fabrication, and assembly to testing.





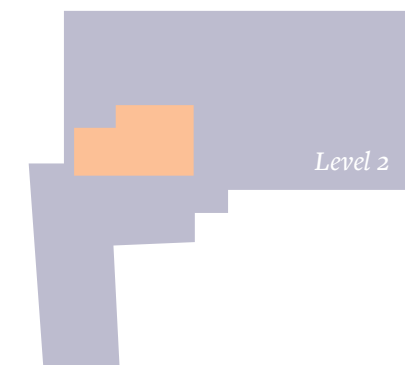


NAMING OPPORTUNITIES

# Fabrication & Instruction Shop

This hands-on, instructional space will house small-scale versions of the larger equipment found in the Machining Shop. Here, faculty will be able to teach machining techniques in an area designed for both education and function.

The Fabrication & Instruction Shop affords students the opportunity to learn foundational techniques associated with modern manufacturing processes while also earning licenses to drive the larger, more advanced equipment in the building.





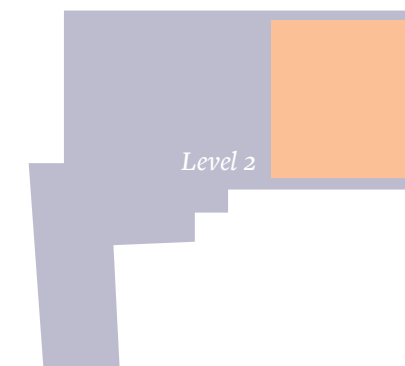


NAMING OPPORTUNITIES

# Machining Shop

This area makes it possible for students to engage in project-based work using advanced fabrication tools. The 2,200sf expanse provides ample space and resources for metal and plastic machining, along with a dedicated welding room and wood shop.

The Machining Shop gives access to trained technicians and advanced fabrication tools. Real-world training and experience gained here complement the strong theoretical education University of Portland students receive.





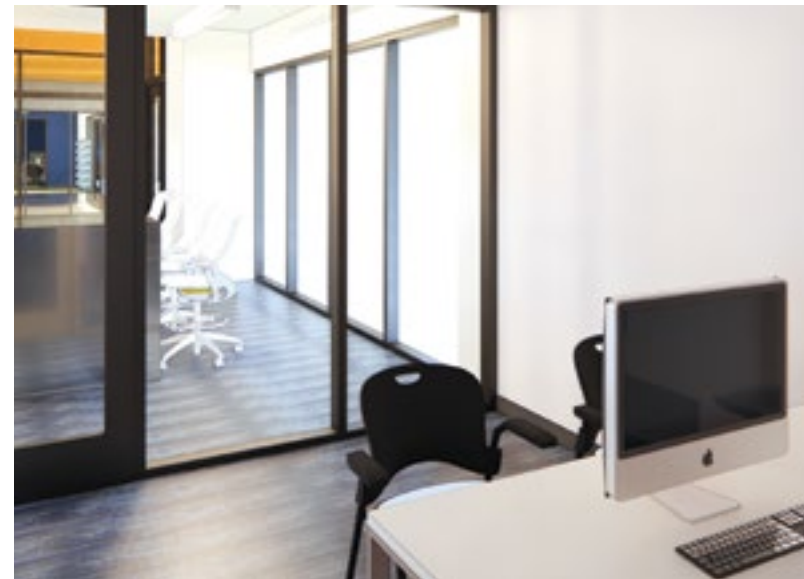
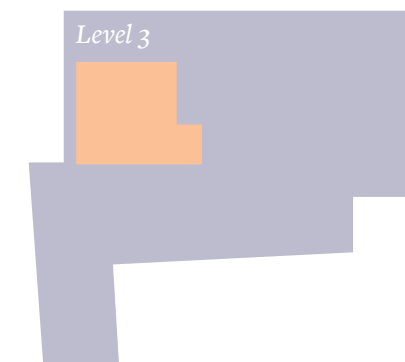
NAMING OPPORTUNITIES

# Digital Suite

This collection of AV labs offers students from all disciplines a collaborative space, professional equipment, and advanced software to produce audio, video, photography and design research projects. It is staffed with a coordinator and student assistants to support users of all abilities.

The Audio Lab doubles as a recording studio to produce, record, and edit projects including music, spoken word, and University-developed podcasts. It has a visual connection to and can be used in conjunction with the neighboring Video Lab. Here, students can shoot video or still photography using professional cameras as well as backdrops and lighting equipment.

In the Digital Suite, student access to new technologies, equipment, and technical support catapults their ability to produce high-level audio, video, and design projects. Here, they will manifest materials to communicate their vision to the world.



*The full Digital Suite, clockwise beginning above: Digital Lab, Digital Lab Office, Video Lab, and Audio Lab.*



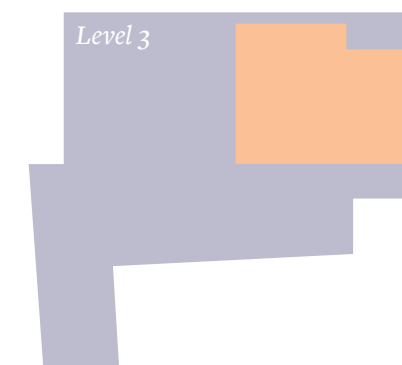


NAMING OPPORTUNITIES

# Rapid Prototyping Suite

Often referred to as a makerspace, this collection of rapid prototyping rooms realizes students' ability to design and create high-tech projects or iterative prototypes. Laser cutters, 3D printers, and readily available materials provoke inquiry to explore an idea on a smaller scale before moving downstairs to create life-size models in the Machining or Fabrication Shops. The space includes a dedicated office for Rapid Prototyping Suite staff.

The Rapid Prototyping Suite helps students test their hypotheses with prototypes of new devices that will solve problems and improve lives.





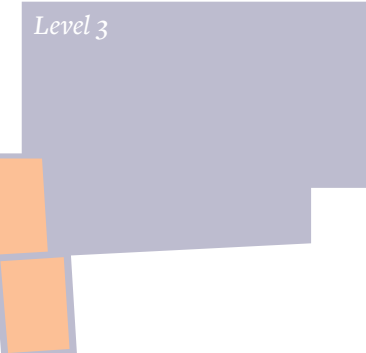


NAMING OPPORTUNITIES

# Study Spaces

The covered Outdoor Study Terrace inspires connection to our environment and each other. Ideal for maker fairs, project testing, and demonstrations, it can also be used as a workspace, study area, or classroom when weather permits. The space offers sweeping views of the river and Forest Park that calm the spirit and make room for creativity.

The Indoor Study Lounge offers a quiet place to work, no matter the weather. Individual workstations and comfortable seating make it suitable for brainstorming, reading, and contemplation.

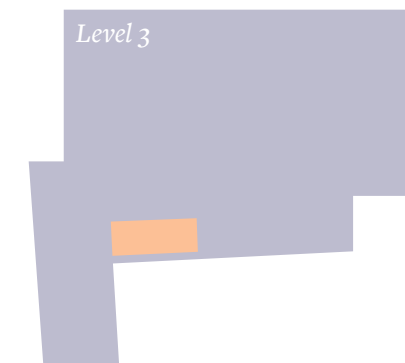




NAMING OPPORTUNITIES

# Innovation Gallery

The Shiley-Marcos Center for Design & Innovation will hone technical excellence while fostering integrity, environmental awareness, collaboration, and an inventor's spirit. The long white walls of the Innovation Gallery provide a well-traveled, highly visible canvas to display its accomplishments through student generated art and engineering and innovation project boards. This is a space to showcase the process – from ideation and drawings through to completion.



**“THE EDUCATIONAL PROCESS ITSELF REQUIRES A PARTICULAR TYPE OF DYING TO SELF. WHENEVER WE HAVE TO SHED OLD WAYS OF THINKING, VIEWING, OR PERCEIVING THE WORLD AROUND US AND OURSELVES, A CONVERSION OF BOTH HEART AND MIND MUST TAKE PLACE. THE CONTEMPLATION OF NEW IDEAS AND NEEDS BEYOND OUR COMFORT ZONES REQUIRES A SACRIFICIAL WILLINGNESS TO PUT AT RISK EVERYTHING THAT WE THINK WE ALREADY KNOW.”**

*—Holy Cross & Christian Education*



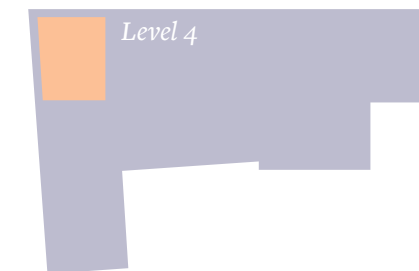


NAMING OPPORTUNITIES

# Art Studio

There is no change without art. This studio helps develop the whole student by exploring creativity in forms not always associated with engineering. It creates collaboration opportunities for those whose paths might not otherwise cross. In this space, engineers will learn from artists, artists from engineers.

The view alone will inspire many minds as they look out to the preserved Oregon White Oak in the Innovation Plaza. Sculpture, printmaking, and painting will be prominent activities in this corner of the building that gestures back to the heart of campus.





NAMING OPPORTUNITIES

# Leaving Your Mark

University of Portland works tirelessly to equip young people with the skills they need to meet the world's most pressing challenges. You can be a part of preparing students by pledging your support to the building campaign. By doing so, you will leave a lasting legacy and make a significant investment in our mission of developing empathetic leaders, problem-solvers, inventors, and changemakers.

There are many options to support our new, innovative learning space. Naming opportunities pictured in this booklet range from \$2,000,000 to \$100,000. Options not pictured include:

- **Study Areas** (3) \$25K-\$50K
- **Faculty & Staff Offices** (4) \$25K
- **Engineering Testing Labs** (3) \$25K-\$50K
- **Conference Rooms** (2) \$50K
- **Kitchen & Event Space** \$50K-\$100K

*Additional donor recognition opportunities may be available for gifts under \$25,000.*

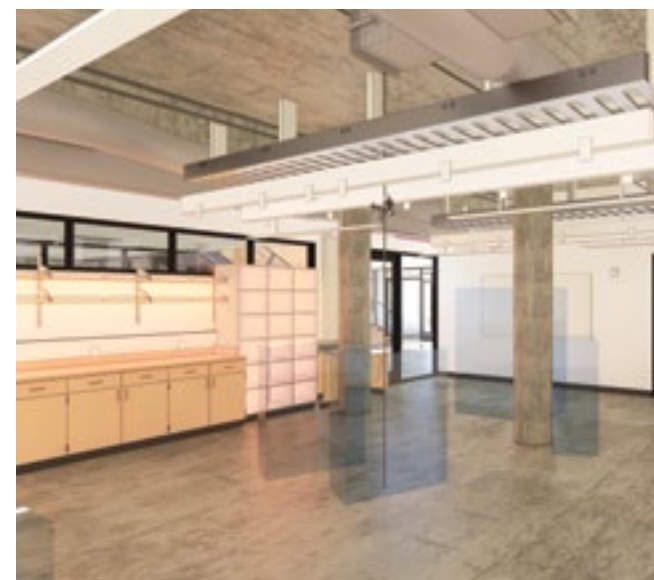
2,000+ SF  
\$1.5M+

1,500-2,000 SF  
\$1M+



1,250-1,500 SF  
\$750K-\$1M

1,000-1,250 SF  
\$500K-\$750K



750-1,000 SF  
\$250K-\$500K

500-750 SF  
\$100K

250-500 SF  
\$50K

100-250 SF  
\$25K





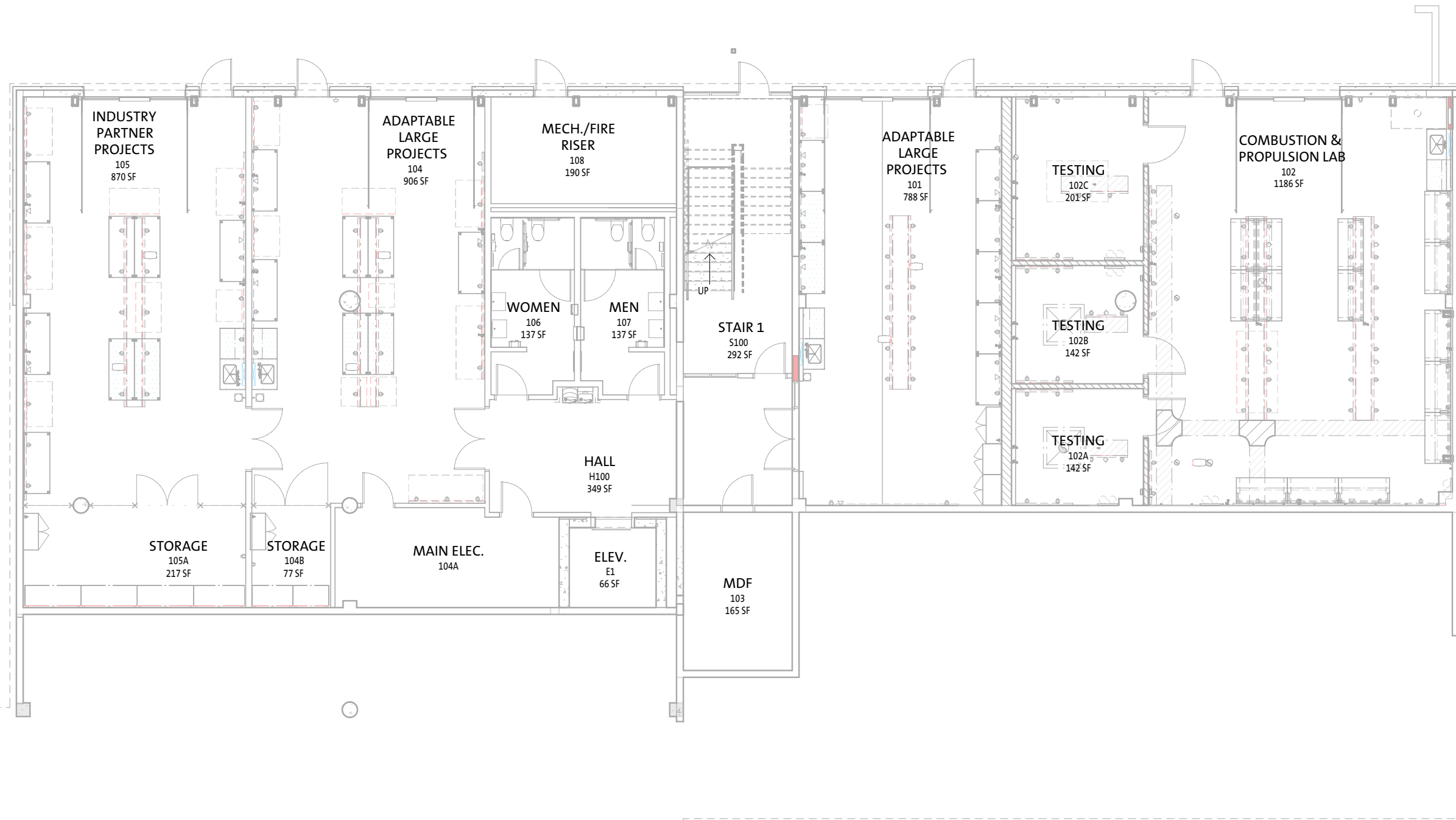


ARCHITECTURAL DRAWINGS

# Site Plan







ARCHITECTURAL DRAWINGS

# Level 1 Floor Plan





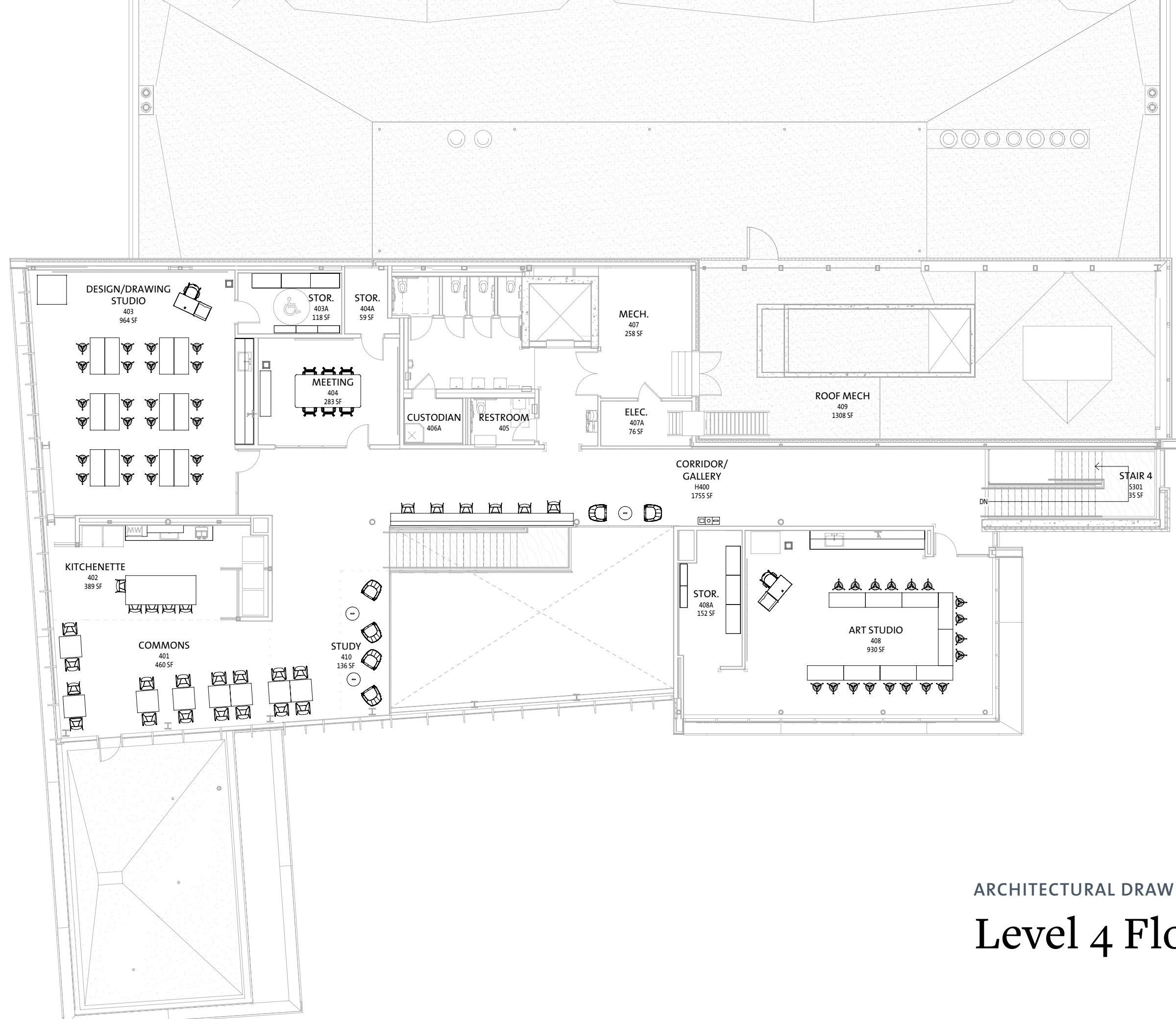
ARCHITECTURAL DRAWINGS  
**Level 2 Floor Plan**





ARCHITECTURAL DRAWINGS  
**Level 3 Floor Plan**





ARCHITECTURAL DRAWINGS  
**Level 4 Floor Plan**



NAMING OPPORTUNITIES

## Donor Notes



“I’VE ALWAYS THOUGHT IT WAS IMPORTANT TO BUILD ON WHAT OTHERS HAVE LEARNED AND TAUGHT. YOU DON’T HAVE TO REINVENT THE PROVERBIAL WHEEL TO HAVE AN IMPACT. A GREAT PHILANTHROPIST, THE LATE DALLAS CLARK, ONCE TOLD ME THAT WE EACH HAVE A GREAT DEAL TO GIVE IN ONE WAY OR ANOTHER—WORK, WISDOM, AND WEALTH. OTHERS REFER TO IT AS TIME, TALENT, AND TREASURE. ANY OF THEM GIVEN FREELY IS VALUABLE. ALL THREE? OBVIOUSLY, SOMETHING TO STRIVE FOR. I DO WHAT I CAN, WHERE I CAN, AND ALL IN THE NAME OF THE MAN WHO EARNED WHAT WE HAVE, DONALD P. SHILEY.”

—*Darlene Marcos Shiley*  
*Philanthropist*

## Making Your Gift

Naming opportunity gifts to the building campaign can be pledged out for up to five years. Any gift with a pledge payment plan beyond five years, must be pre-approved by the University of Portland in advance of gift acceptance or a gift agreement. All naming opportunities that will be funded partially by a bequest must also be pre-approved by the University. In most circumstances, at least 50% of the gift must be a cash gift, or the like. Irrevocable planned gifts will be credited at face value (with particular emphasis being given to the predictability of the long-term value of the irrevocable deferred gift). Combinations of revocable planned gifts and cash may occasionally qualify for naming opportunities, under the right circumstances and upon approval from the University.

All naming opportunity gifts will be applied directly to the construction cost of the Shiley-Marcos Center for Design & Innovation. Donations to other initiatives on campus or within the Shiley School of Engineering do not qualify for naming opportunities for this building campaign. To learn more about other naming opportunities at UP, please contact:

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University  
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OF ENGINEERING

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Scan to see the  
Shiley-Marcos  
Center for Design  
& Innovation  
come to life:



SCAN ME

*This proposal is for discussion purposes only. The terms applicable to any gift associated with this proposal will be fully set forth in a gift agreement between the University and the donor. The images, pictures, diagrams, and signage in this proposal are for illustrative purposes, and do not necessarily represent the project in its complete form.*