

## MEMORANDUM

TO: University Facilities Planning Board: Nancy Cornwell - Chair, Walt Banziger - Vice Chair, Kurt Blunck, Allyson Brekke, Jeff Butler, ASMSU President, Michael Everts, Chris Fastnow, Greg Gilpin, Brett Gunnink, Neil Jorgensen, Dana Dale – ASMSU, Terry Leist, Chris Kearns, Martha Potvin, Fatih Rifki, Tom Stump, Julie Tatarka, Jim Thull, Brenda York

FROM: Victoria Drummond, Assoc. University Planner; Campus Planning, Design & Construction

RE: **June 16, 2015**, meeting of the University Facilities Planning Board to be held in the **Facilities Meeting Quonset at 3:30 pm**

### **ITEM No. 1 – APPROVAL OF NOTES**

Approval of the draft notes from May 5, 2015 and June 2, 2015.

### **ITEM No. 2 – EXECUTIVE COMMITTEE REPORT**

Report on any current Executive Committee actions.

**ITEM No. 3 – CONSENT AGENDA** - No items

**ITEM No. 4 –RECOMMENDATION** - Freshman Residence Complex Pedestrian Bridge  
Presenter – Darryl Curfman

**ITEM No. 5 –RECOMMENDATION** - LEED Campus Submittal  
Presenter – Victoria Drummond and Kath Williams, Consultant

**ITEM No. 6 –RECOMMENDATION** - Student Building Fees  
Presenter – Victoria Drummond and Bob Lashaway

**ITEM No. 7 –RECOMMENDATION** - Bobcat Plaza Sidewalk Concept  
Presenter – EJ Hook and Randy Stephens

### **HORIZON ITEMS**

- Freshman Residence Complex Name Recommendation
- Renne Library Spaces & Technology Renovation
- External Building Signage Policy
- Seminar Materials
- Master Planning Issues
- Revisit and Update Policies

VCD/lsh

PC:

President Cruzado  
Adam Arlint, President's Office  
Maggie Hammett, President's Office  
Julie Heard, Provost Office  
ASMSU President  
Diane Heck, VP Admin & Finance

Heidi Gagnon, VP Admin & Finance  
Jennifer Joyce, VP Student Success  
Linda LaCrone, VP Research Office  
Tony Campeau, Registrar  
Robert Putzke, MSU Police  
Becky McMillan, Auxiliaries Services

Julie Kipfer, Communications  
Jody Barney, College of Agriculture  
Susan Fraser, College of Agriculture  
Robin Happel, College of Agriculture  
JoDee Palin, College of Arts & Arch  
Victoria Drummond, Campus Planning

**MEETING NOTES OF THE  
UNIVERSITY FACILITIES PLANNING BOARD  
May 5, 2015**

**Members Present:** Nancy Cornwell – Chair, Walt Banziger – Vice Chair, Jeff Butler, Neil Jorgensen, Kurt Blunck, Mike Everts, Greg Gilpin, Tom Stump, Chris Fastnow, Bob Lashaway, Brenda York

**Proxy:** Victoria Drummond for Renee Reijo Pera, Chris Fastnow for Sara Mannheimer

**Members Absent:** Brett Gunnink, Chris Kearns, Martha Potvin, Charles Boyer, Dana Dale, David Singel, Fatih Rifki, Julie Tatarka, Allyson Brekke

**Staff & Guests:** Randy Stephens, EJ Hook, Kevin Amende, Jerry Stephens, Dan Miller, Tony Campeau

The University Facilities Planning Board met beginning at 3:30 pm to discuss the following:

**ITEM No. 1 – Approval of Meeting Note**

Blunck moved to approve the meeting notes from April 21, 2015. Stump seconded the motion. The meeting notes were approved unanimously.

**ITEM No. 2 – Executive Committee Report**

There was no action from the Executive Committee to report.

**ITEM No. 3 – Consent Agenda** – No Items

**ITEM No. 4 –RECOMMENDATION - Temporary Modular for College of Engineering Capstone**

Randy Stephens presented the proposal for a temporary modular to be located in the service drive of the EPS Building for the College of Engineering Capstone students. The College of Engineering needs some relief for their overcrowded Capstone space, and this would provide about 1,200 square feet for the program. The College of Engineering enrollment predictions continue to increase for Fall 2015. The modular would be in place for Fall 2015 and would be removed in Fall 2018 at the opening of the Norm Asbjornson Innovation Center (NAIC). A couple sites were considered, including a location in Faculty Court, and it was determined that the appropriate site needs to be adjacent to the machine shops in the EPS Building. The modular will be located between the existing equipment in service drive and the sidewalk on S. 6<sup>th</sup> Street, so that the existing landscape provides a buffer (screening). This location will not interfere with service vehicles and snow removal.

Lashaway commented that if this was being considered for long-term use, it should have a long-term location, but this is not the case. Butler noted that this service drive allows for flexibility for this type of situation.

Butler moved to approve the concept of the temporary modular and move forward with the plan, with the caveat that the modular is removed the semester following occupancy of the NAIC. Stump seconded the motion. The motion passed affirmatively.

The vote:

Yes: 14

No: 1 (Everts)

**ITEM No. 5 –INFORMATIONAL - Chalking on Sidewalks**

EJ Hook presented what is currently being done for chalking on sidewalks around the Centennial Mall, for advertising events and marking event layout/directions. These requests go through the Outdoor Program Request process (OPR), which is managed by the Office of Activities and Engagement. Most recently at Homecoming in Fall 2014, there was sidewalk advertising for a movie night that was more widespread than is typical, and they used a spray chalk which adhered to the hot sidewalk and was difficult to remove (required a pressure washer) and caused some damage. The two questions are if this is an appropriate use of sidewalks, and how long can something be on the sidewalk. The OPR has determined from experience that seven days is the length of time that sidewalk chalk

should be in place, and at that point it should be removed by the group or by Facilities Services at a charge. Hook opened this up for discussion to UFPB.

Lashaway commented that if it takes pressure washing to remove the sidewalk chalk material, that is a material that shouldn't be used, due to the damage it causes. The group discussed that it is more difficult to apply regular sidewalk chalk than it is to apply spray chalk, which helps limit the amount used. Cornwell brought up a possible conflict with the freedom of speech. Lashaway suggested that Hook develop some guidelines for UFPB to review and comment on. Hook will follow up at a future UFPB meeting.

This meeting was adjourned at 4:15p.m.

VCD:lsb

PC:

President Cruzado

Adam Arlint, President's Office

Maggie Hammett, President's Office

Julie Heard, Provost's Office

ASMSU President

Diane Heck, VP Admin & Finance

Heidi Gagnon, VP Admin & Finance

Jennifer Joyce, VP Student Success

Linda LaCrone, VP Research Office

Tony Campeau, Registrar

Robert Putzke, MSU Police

Becky McMillan, Auxiliaries Services

Julie Kipfer, Communications

Jody Barney, College of Agriculture

Susan Fraser, College of Agriculture

Robin Happel, College of Agriculture

JoDee Palin, College of Arts & Arch

Victoria Drummond, Campus PDC

DRAFT

**MEETING NOTES OF THE  
UNIVERSITY FACILITIES PLANNING BOARD  
June 2, 2015**

- Members Present:** Walt Banziger – Vice Chair, Jeff Butler, Neil Jorgensen, Kurt Blunck, Mike Everts, Greg Gilpin, Tom Stump, Chris Fastnow, Brenda York, Terry Leist, Jim Thull, David Singel, Brett Gunnink
- Proxy:** Brenda York for Chris Kearns, Susan Fraser for Charles Boyer, Walt Banziger for Renee Reijo Pera
- Members Absent:** Nancy Cornwell, Martha Potvin, Dana Dale, Julie Tatarka, Allyson Brekke, Fatih Rifki
- Staff & Guests:** Bob Lashaway, Randy Stephens, Sam Des Jardins, Leila Sterman, Josh DeWeese, Tony Campeau, Don Akina

The University Facilities Planning Board met beginning at 3:30 pm to discuss the following:

**ITEM No. 1 – Approval of Meeting Note**

Draft notes from May 5, 2015 to be distributed before next meeting.

**ITEM No. 2 – Executive Committee Report**

There was no action from the Executive Committee to report.

**ITEM No. 3 – Consent Agenda** – No Items

**ITEM No. 4 –RECOMENDATION - PAC Recommendation of Sculpture Gift – Abraham Lincoln**

Leila Sterman presented the Public Art Committee's (PAC) recommendation to approve the sculpture gift of Abraham Lincoln from artist Jim Dolan. The PAC used their new criteria to evaluate this piece, and rated the proposal as a 3.4 on a scale of 1-5, therefore they voted to approve the piece. They are concerned that this is the fourth sculpture in a series by the same artist and the artist's vision has not been approved by MSU. The PAC suggests UFPB invite the artist to participate in developing a plan that would detail possible future art gifts. The rating of 3 on Quality and Presentation represents the PAC's concern with the details of the sculpture. The rating of 3.5 on Placement and Site location reflects that the site location has not been determined and installation costs are unknown.

Josh DeWeese, a member of the Public Art Committee and Faculty in the School of Art, commented that MSU does need more art, but we need diversity of art, and also noted the cost to install and maintain. Fastnow commented that the rubric is helpful; she identified the most important parts to her are Quality and Presentation, and Promotion of the MSU Public Art Policy's Mission and Intent, and both of these seem to be pretty low scores. Lashaway commented that the cost issue could come up each time without an identified funding source, and could prevent MSU from getting art. He added that art is a viable part of the mission of the University and we should try to find a way to accommodate this. Leist added that it is beneficial to have a discussion with the artist on sharing cost of installation. Butler noted that the installation cost can be impacted by the location, and that there can be a need for structural engineer or other investigations prior to installation. Stephens asked if it would be appropriate for other MSU campuses; this could be discussed as part of the plan for future art gifts however representatives from other campuses would need to be included.

Fastnow moved to decline the gift and invite the artist to participate in developing a plan that would detail possible future art gifts. Singel seconded the motion. The motion passed affirmatively.

The vote:

Yes: 12  
No: 4 (Blunck, Jorgenson, Gilpin, Reijo Pera)

**ITEM No. 5 – INFORMATIONAL - NAIC Project Update**

Walt Banziger and Sam Des Jardins presented three site concepts that have been developed for massing and programming. In all three concepts the parking garage is located on the southwest corner of the site. The concepts have been developed from the discussions with user groups and putting “Engineering on display”. The presentation venue will be an approximately 6,000 square foot flat floor venue with about 350-400 seats. The spaces will include classrooms, Honors College, and labs. The arrangements of these spaces are not set yet, but are being worked on by talking to user groups to figure out adjacencies. The building is roughly three stories high.

The first concept is the “Street concept” which highlights “Engineering on display” with a large corridor (“Innovation Commons”) through the center and includes efficiency by stacking labs. The “Sun concept” has the building massed at the corner of S. 7<sup>th</sup> Ave. and Grant St., with a wedge shape creating an Innovations Commons space with natural light into the building and a visual corridor between the east and west sides of the building. In this concept, the presentation venue is separated with the plaza between the buildings. The “Makers concept” is also massed toward the intersection, but has classrooms along Grant St. and labs along S. 7<sup>th</sup> Ave.; this concept also provides users a needed outdoor yard space.

The parking garage will be starting construction around October 2015, and the schematic design is currently in process. Norm Asbjornson strongly believes there should be a connection from the NAIC and the parking garage across Grant St. The design team has investigated options including a canopy for a walk way, a small pedestrian bridge, and a larger bridge that has collaboration space. York commented that the collaboration spaces should consider accessibility. Fastnow added that accessibility should also be considered for the bridge. Blunck expressed concern on the location and distance of the parking garage from NAIC building, the SUB and other buildings on campus. Lashaway responded that the layout is still evolving and location of the garage and other elements may change. Gilpin brought up a security issue to having the passage from the parking garage across the street going through the NAIC, with the extended hours of the SUB. This is an issue that can be addressed, but the NAIC could have late night access for students similarly to other high-student usage buildings such as Cheever Hall.

There will be a 40 foot minimum green space set back to the parking garage and from the Fitness Center. Everts commented that developing the corridors and outside rooms around the building is valuable for people experiencing the building from outside. He added that the Sun and Maker concepts contribute more to this. Stump noted that the Street and Sun concepts are more in line with the original concepts. Blunck and Gilpin expressed a preference for the Maker concept.

Banziger explained based on the timeline for beginning construction on the parking garage, the site development is going to go very quickly. It will be brought to UFPB quickly and often for feedback.

This meeting was adjourned at 4:30p.m.

VCD:lsb

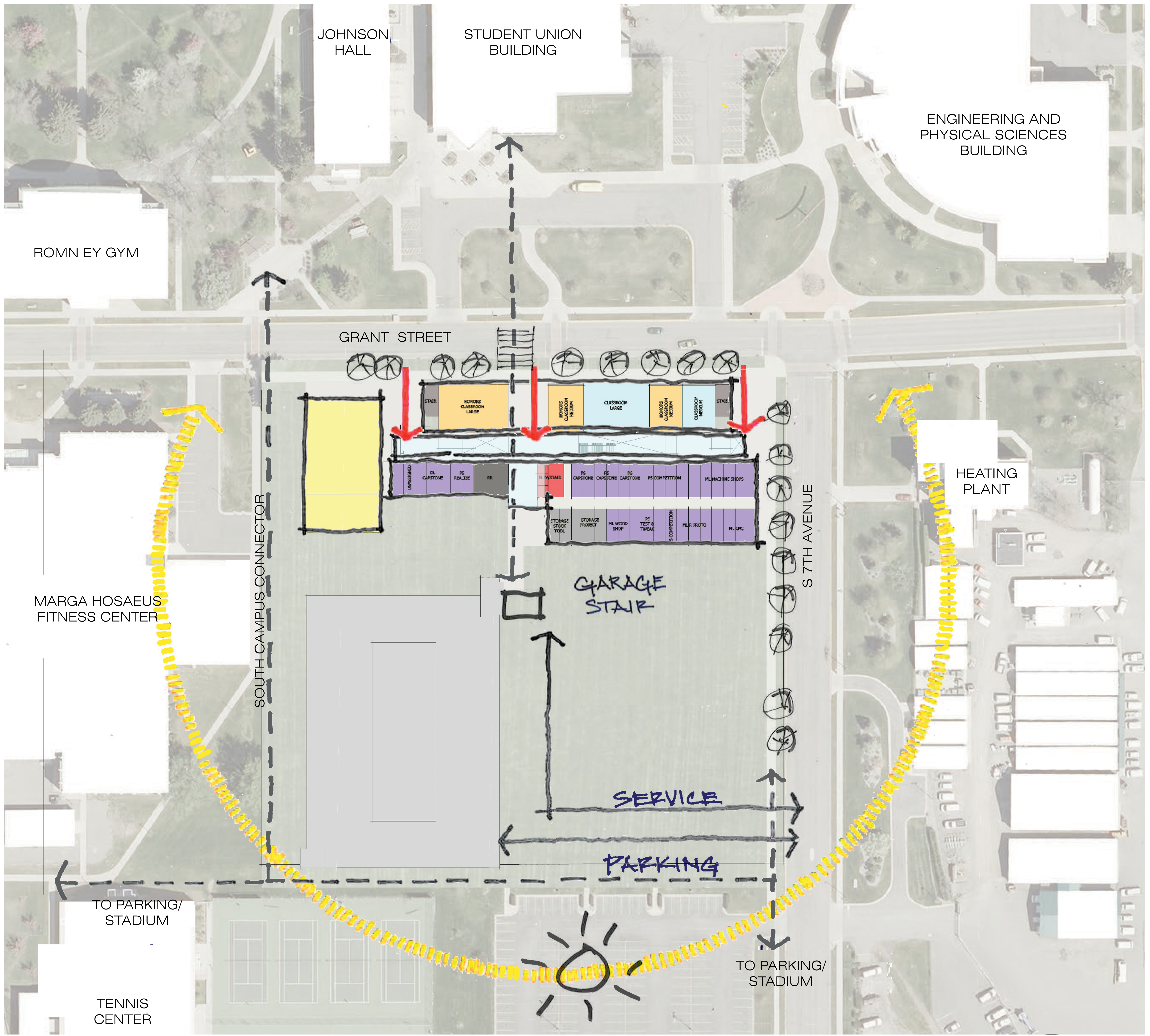
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Adam Arlint, President’s Office  
Maggie Hammett, President’s Office  
Julie Heard, Provost’s Office  
ASMSU President  
Diane Heck, VP Admin & Finance

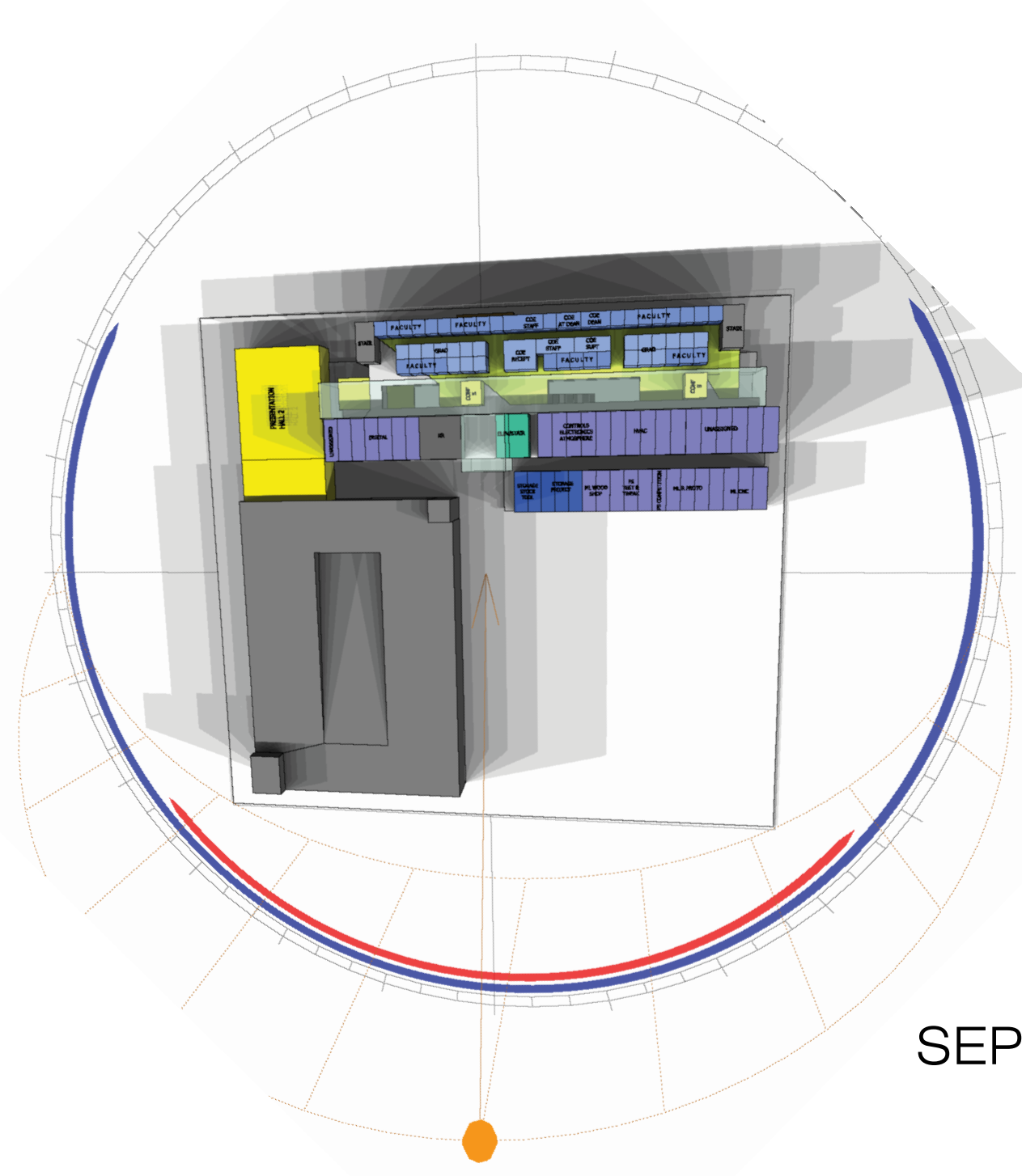
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Victoria Drummond, Campus PDC

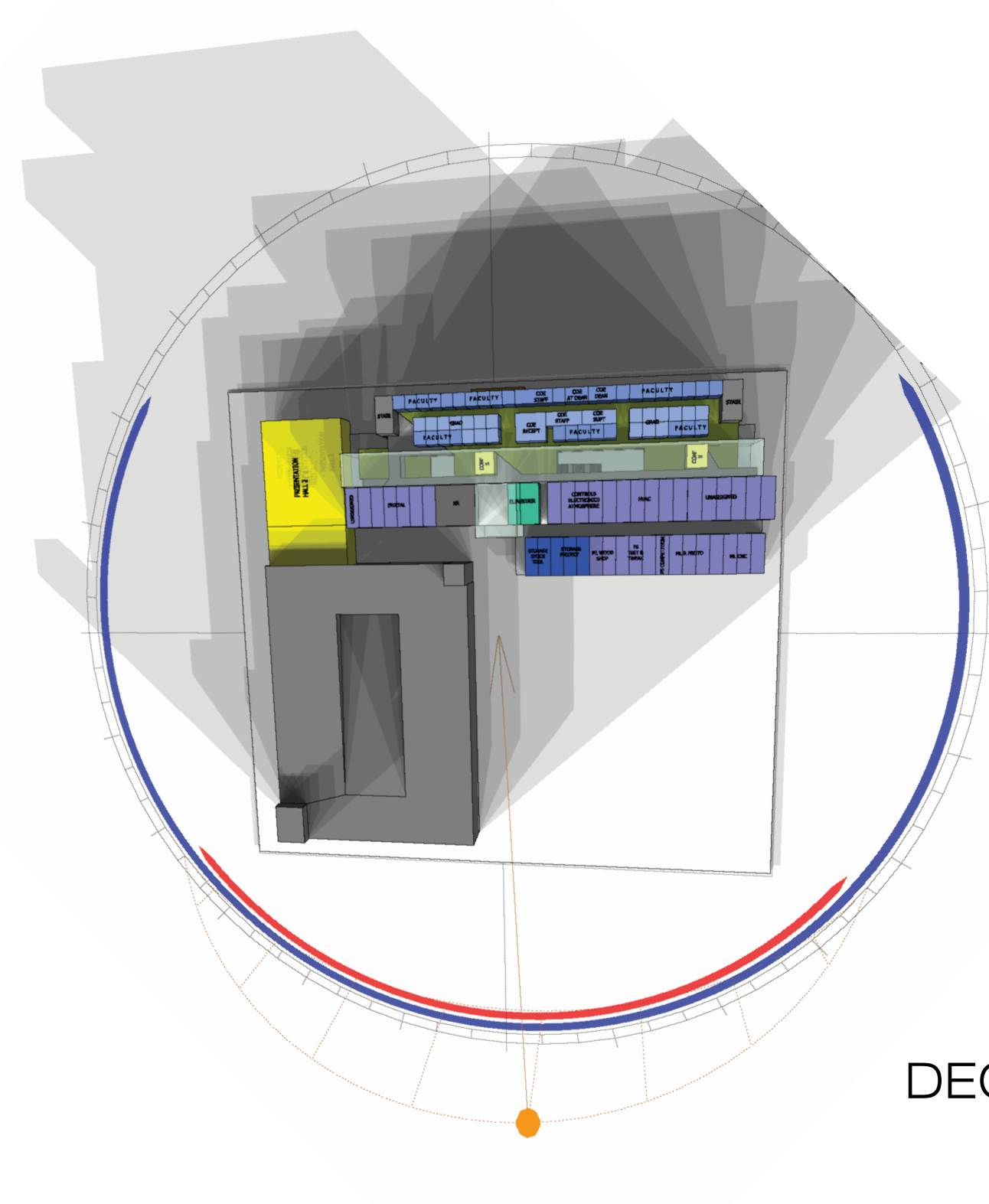
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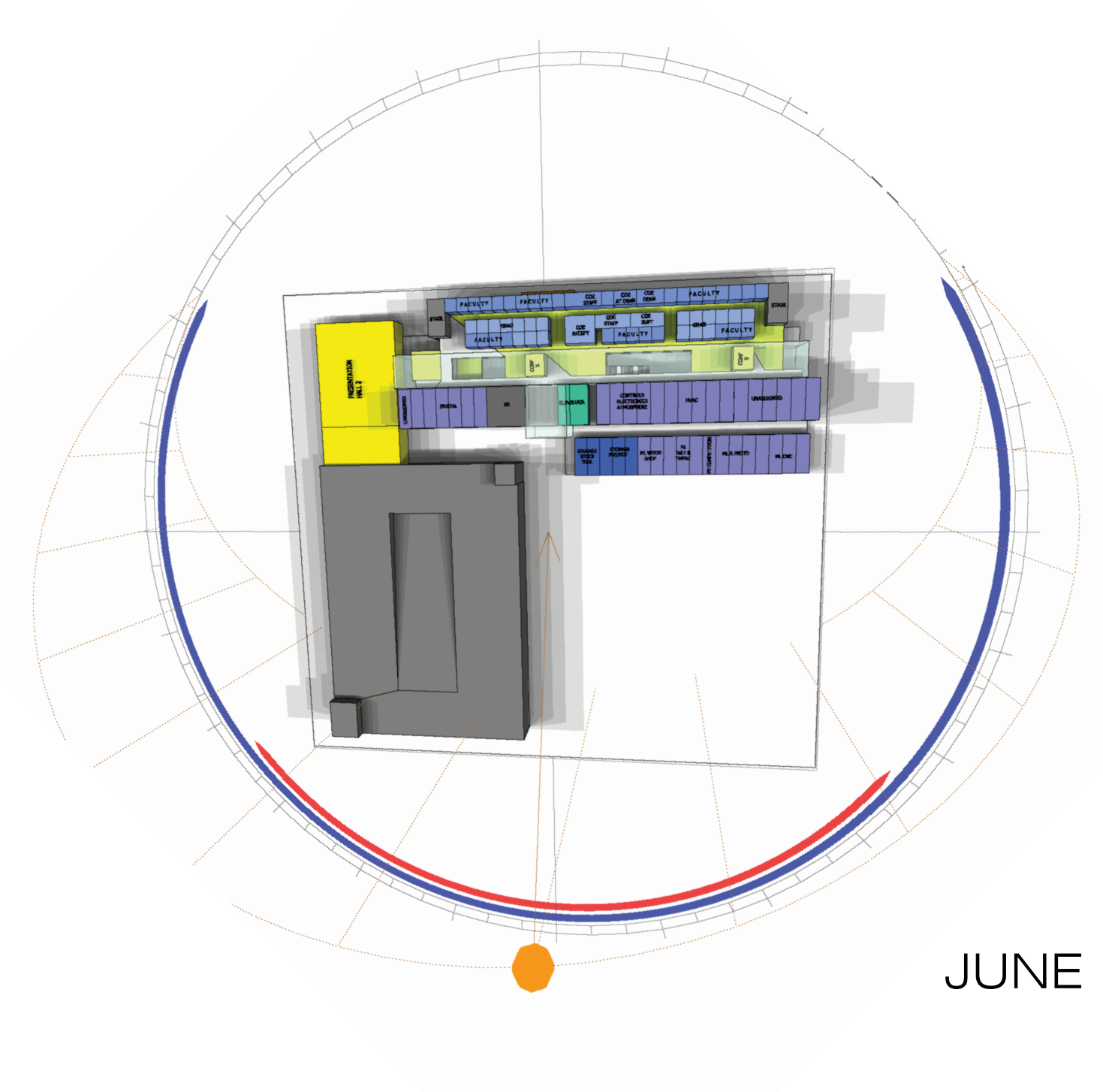
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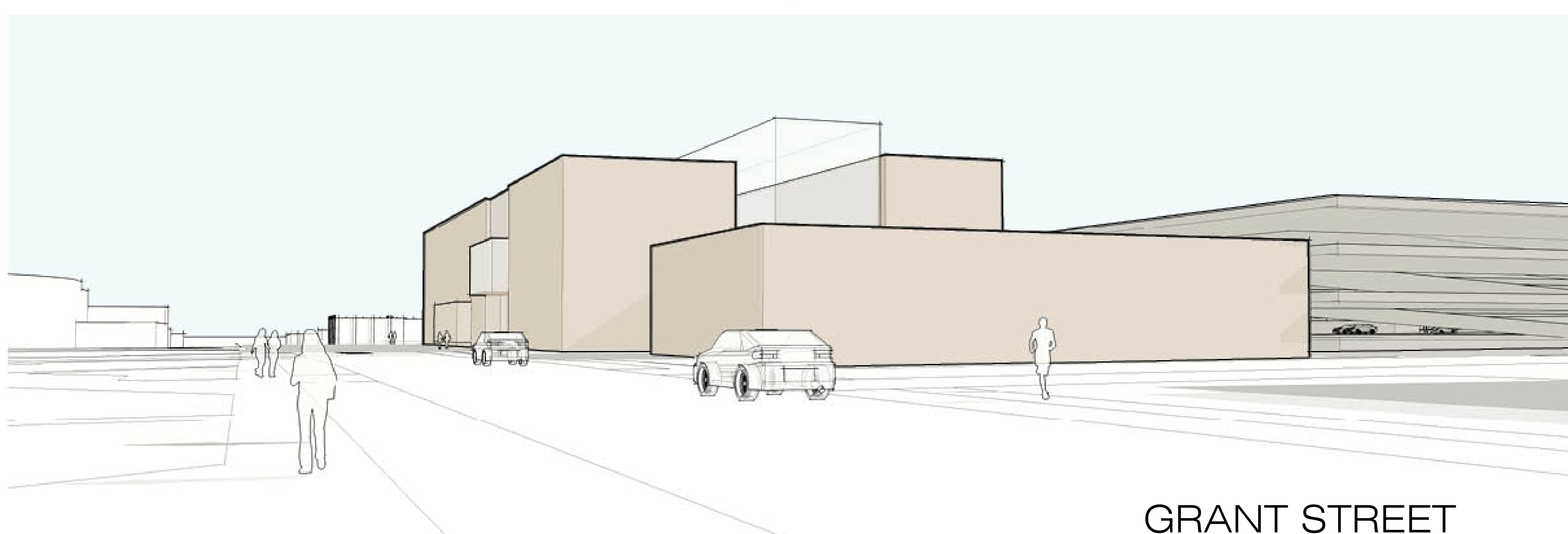
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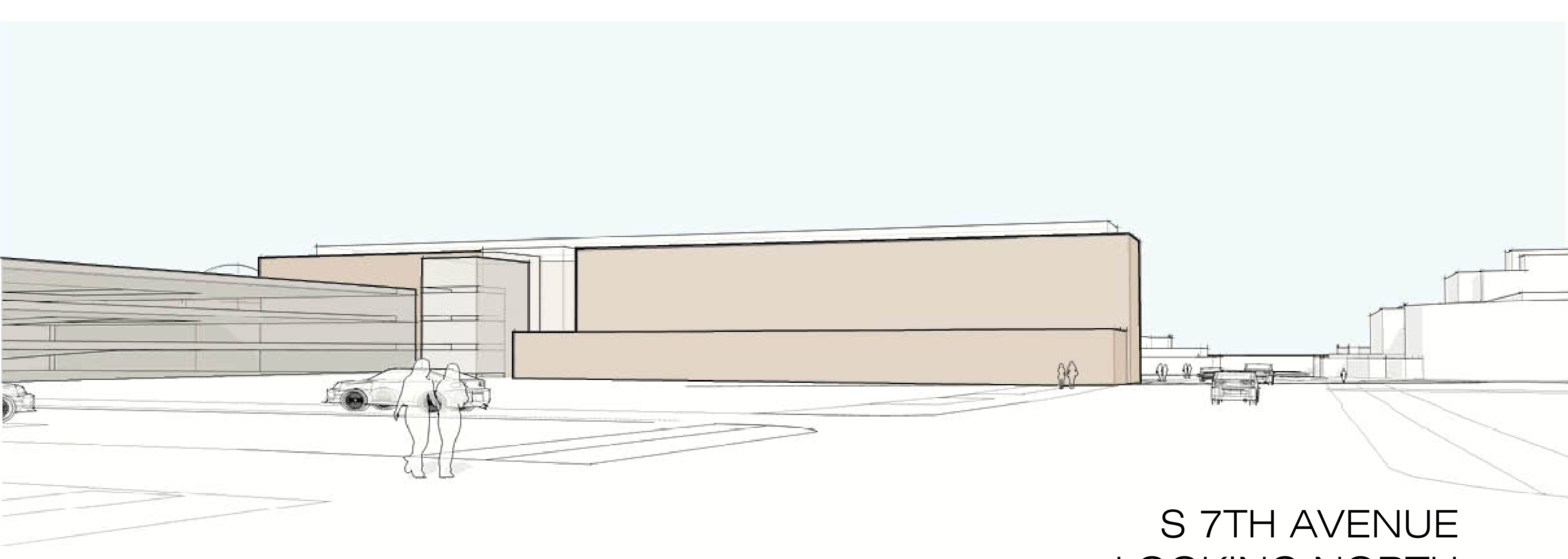
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JUNE

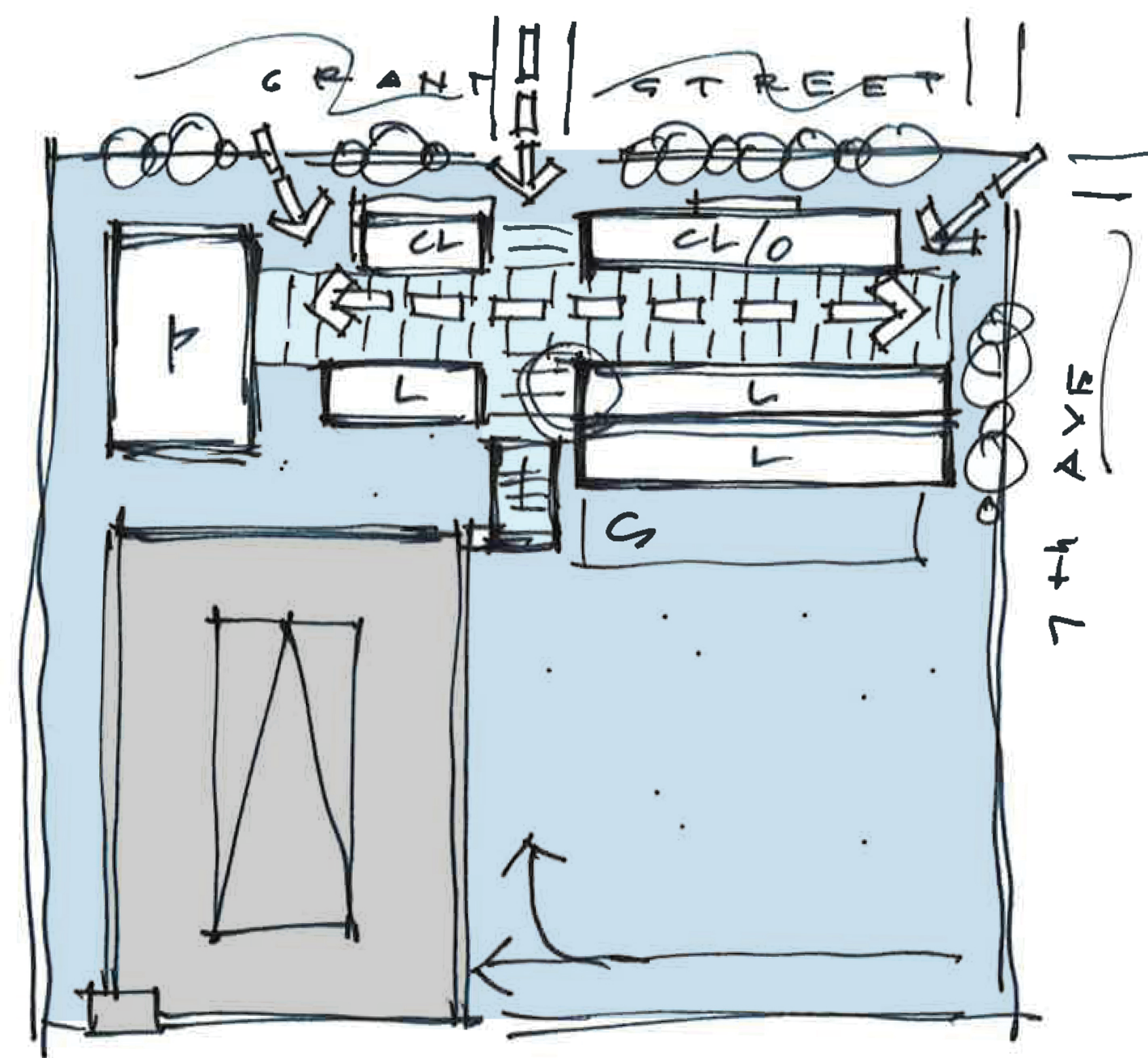


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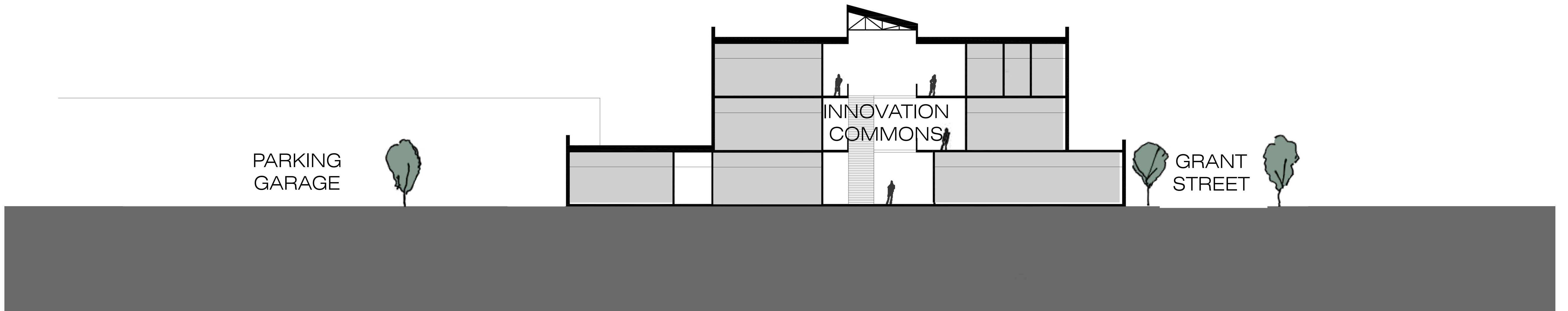


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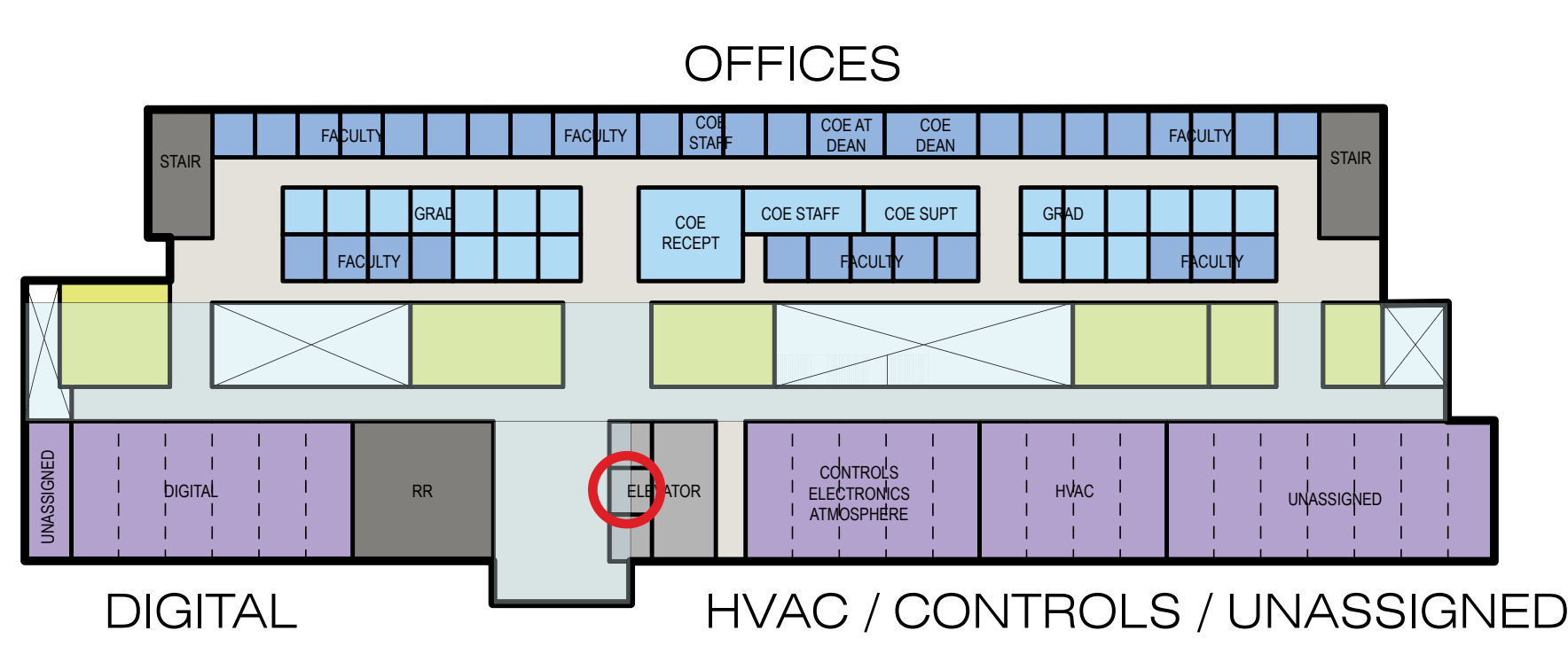
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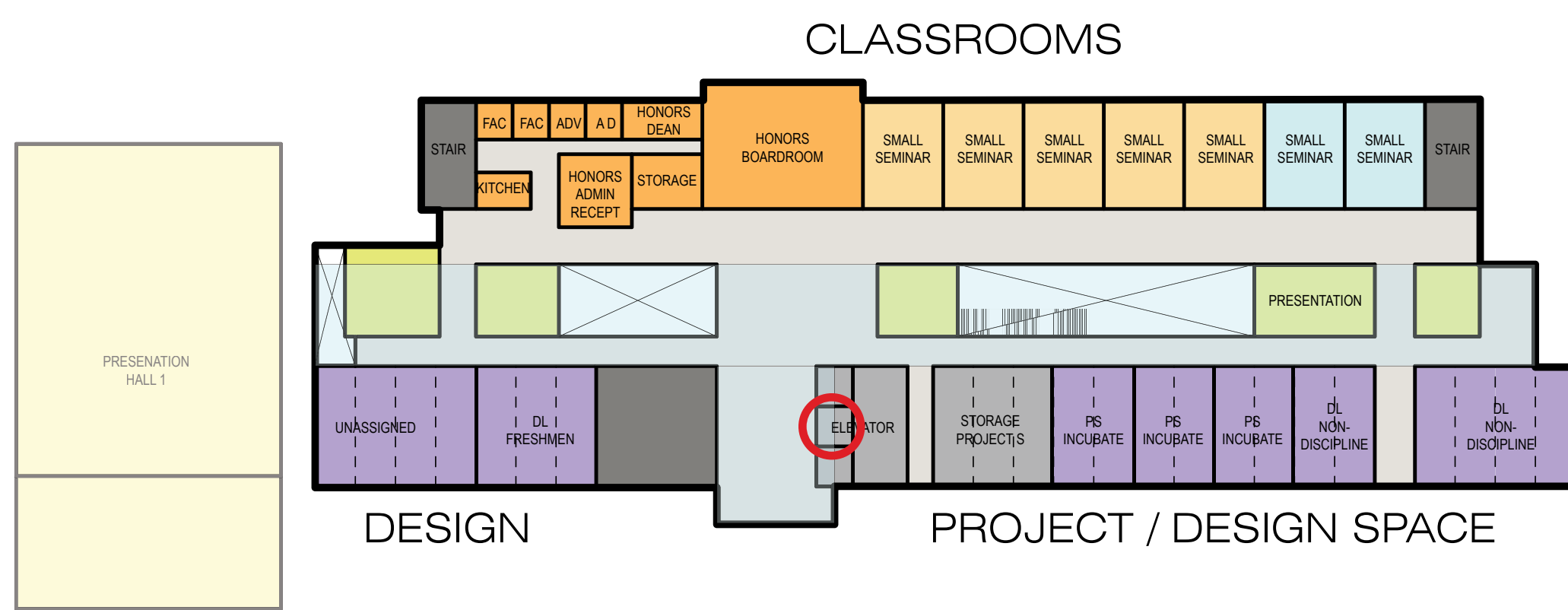
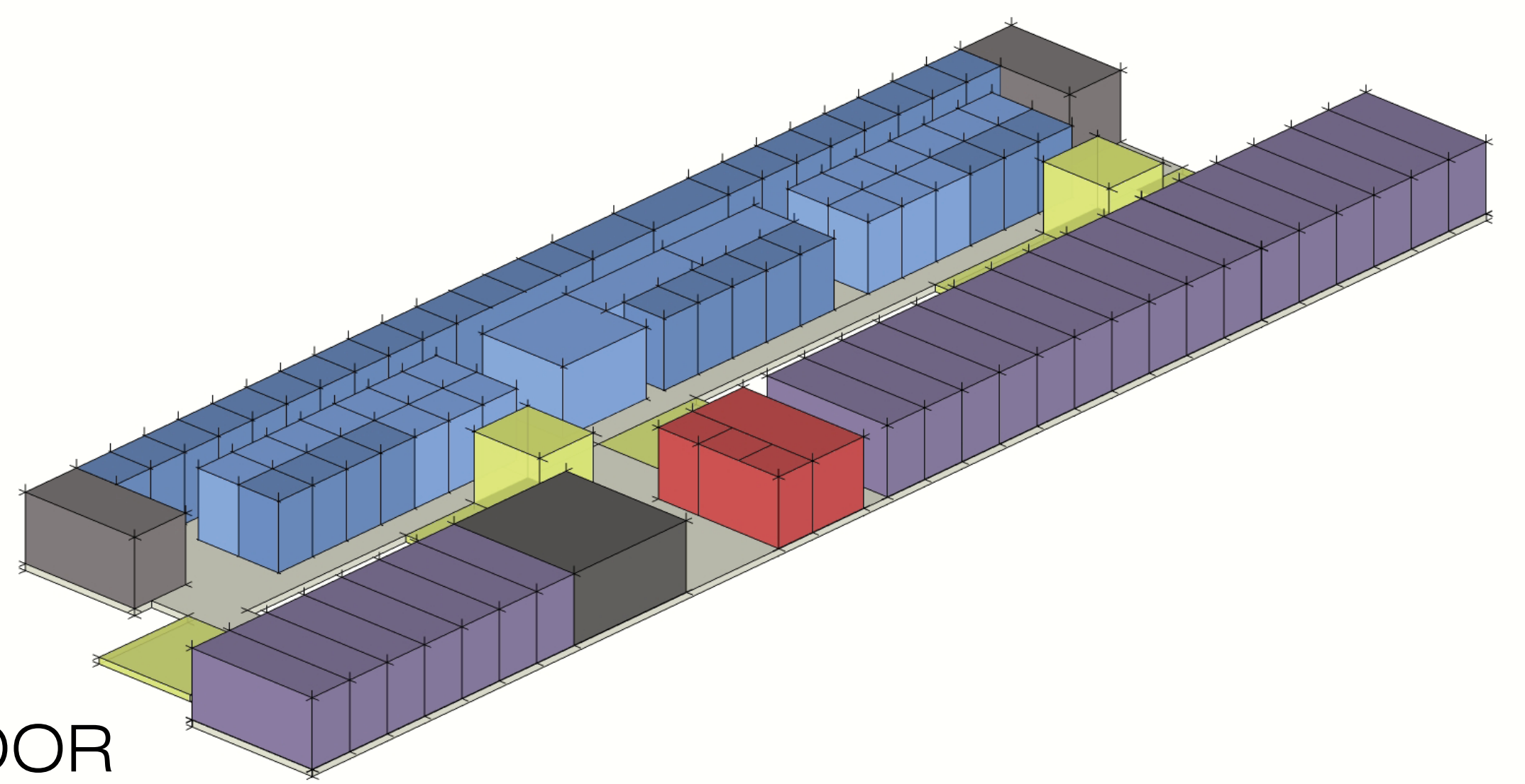
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COMMONS ON CENTRAL SPINE  
FORMAL ENTRY



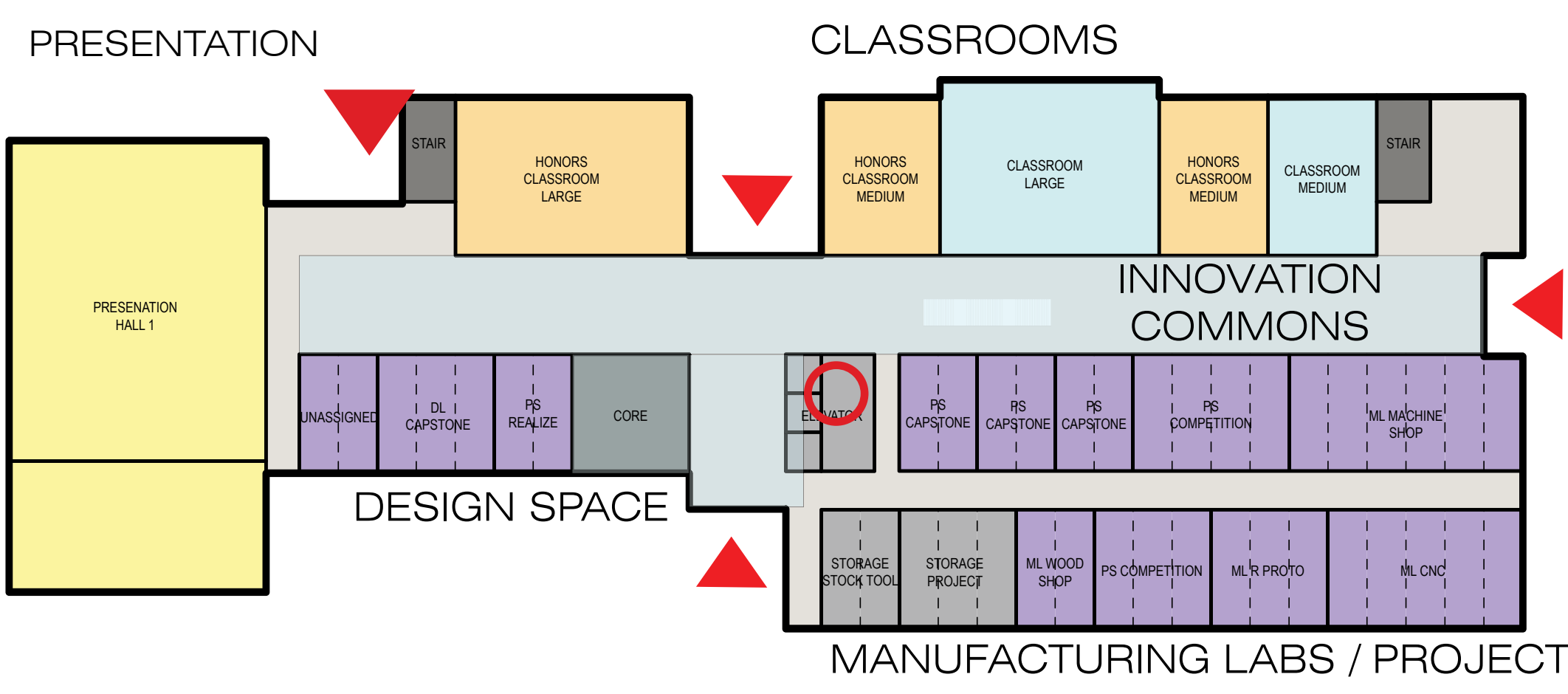
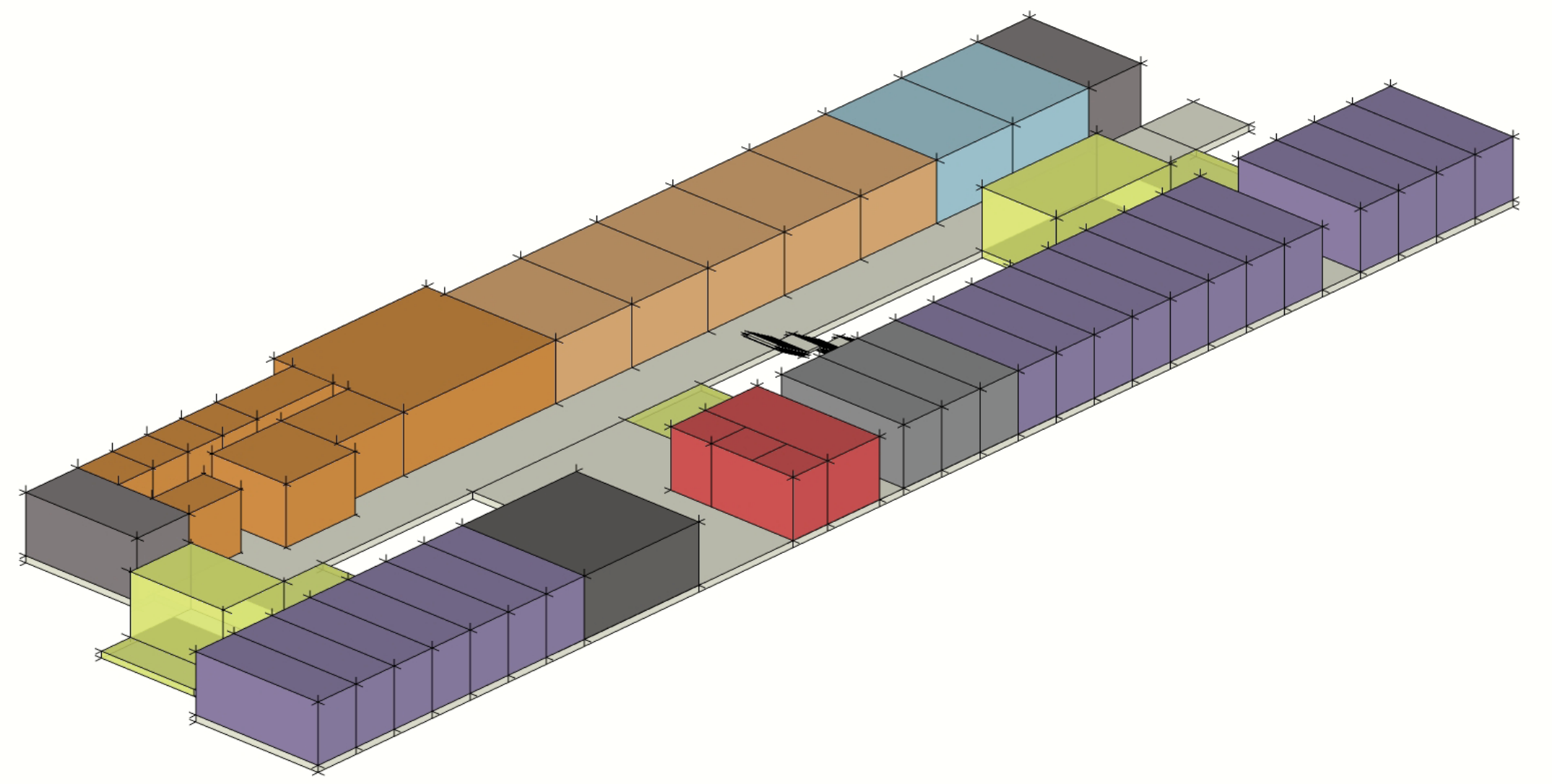
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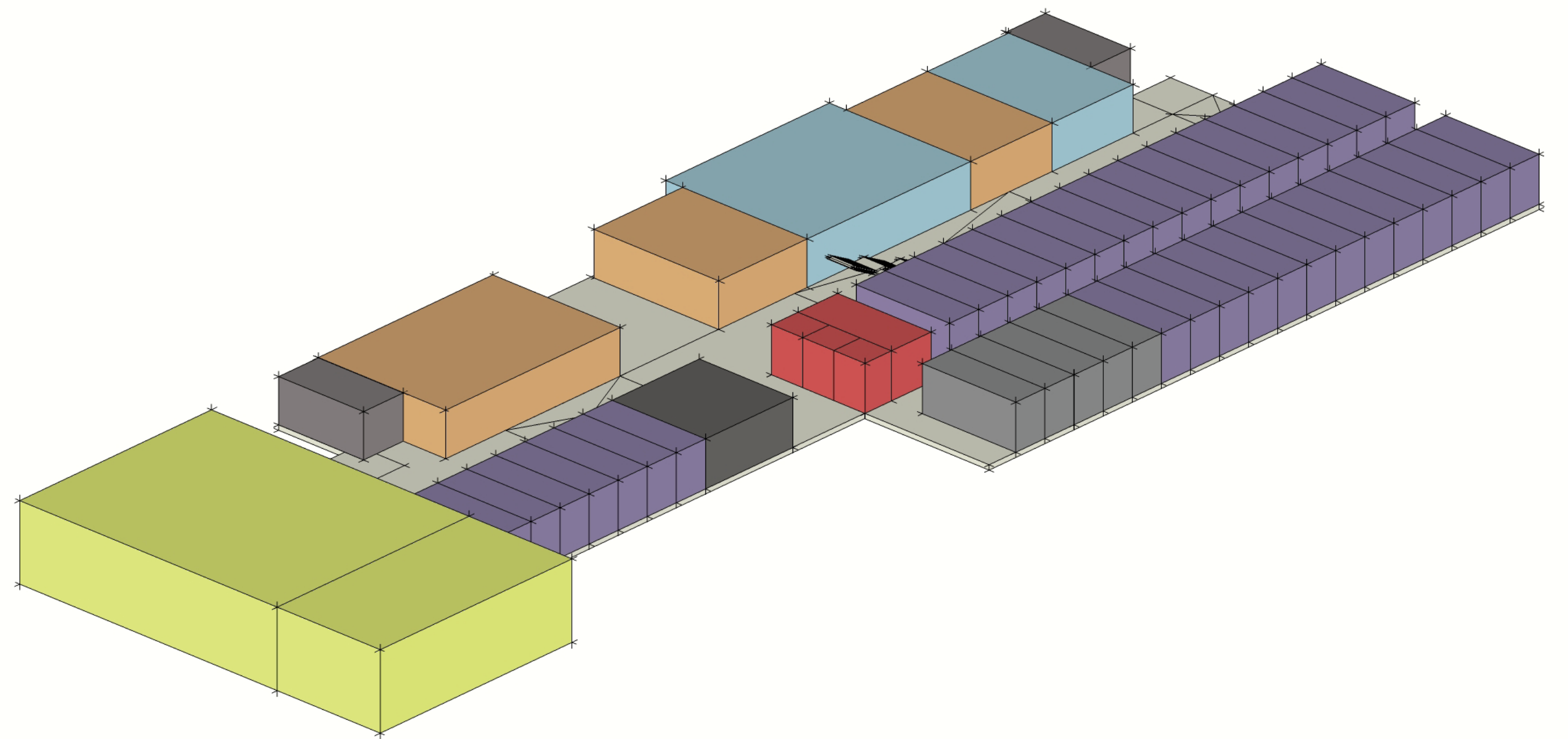
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SECOND FLOOR

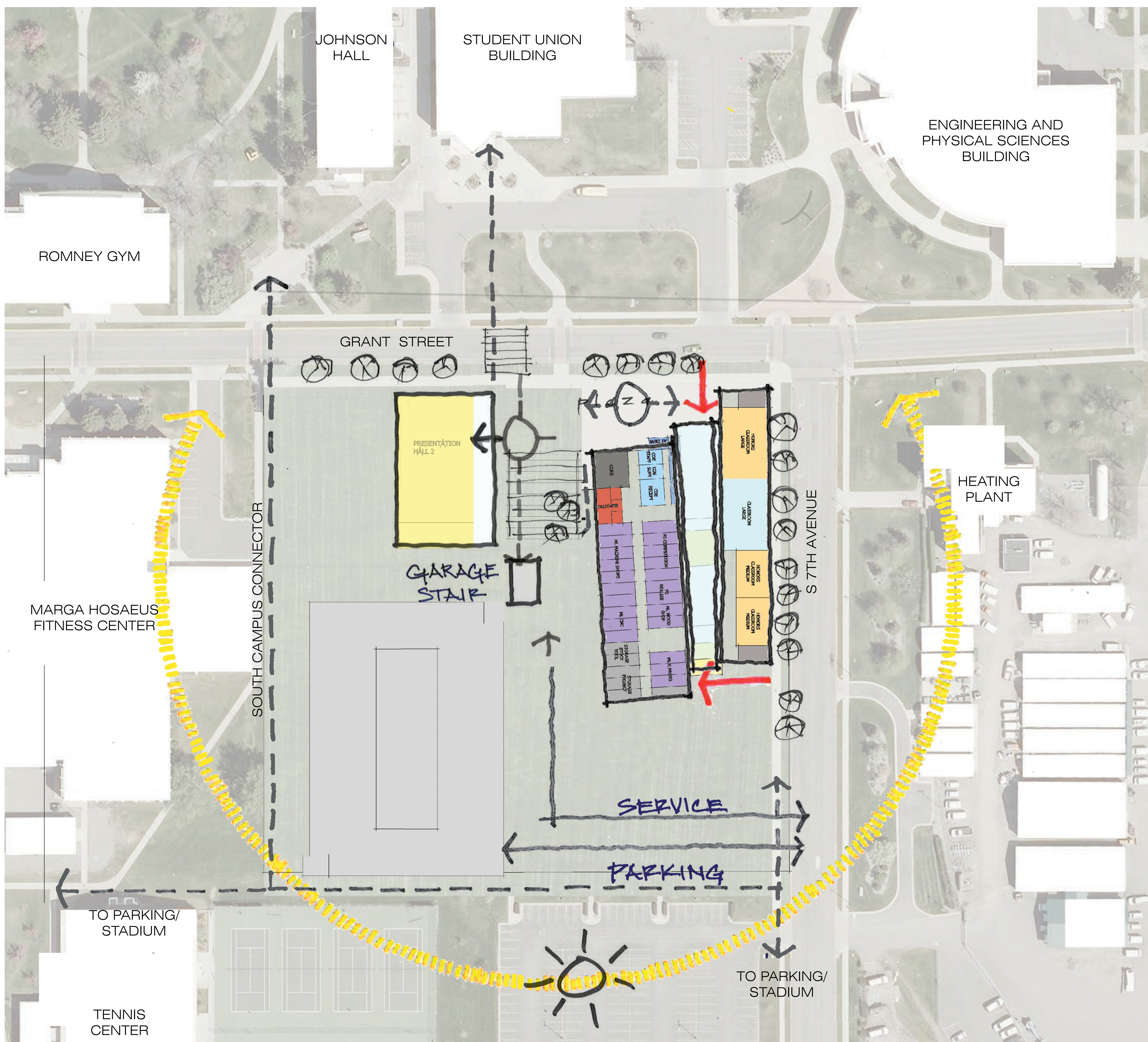


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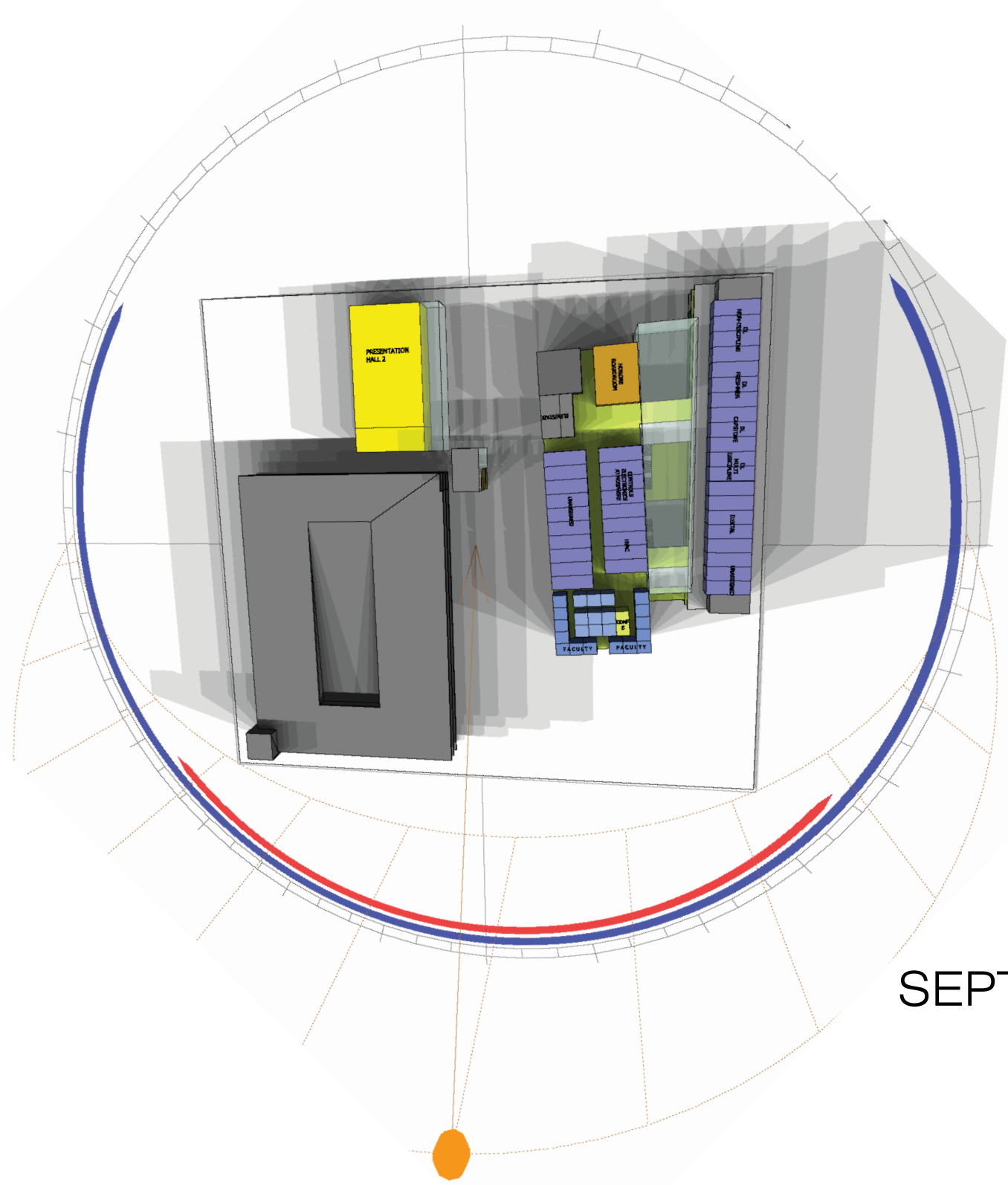


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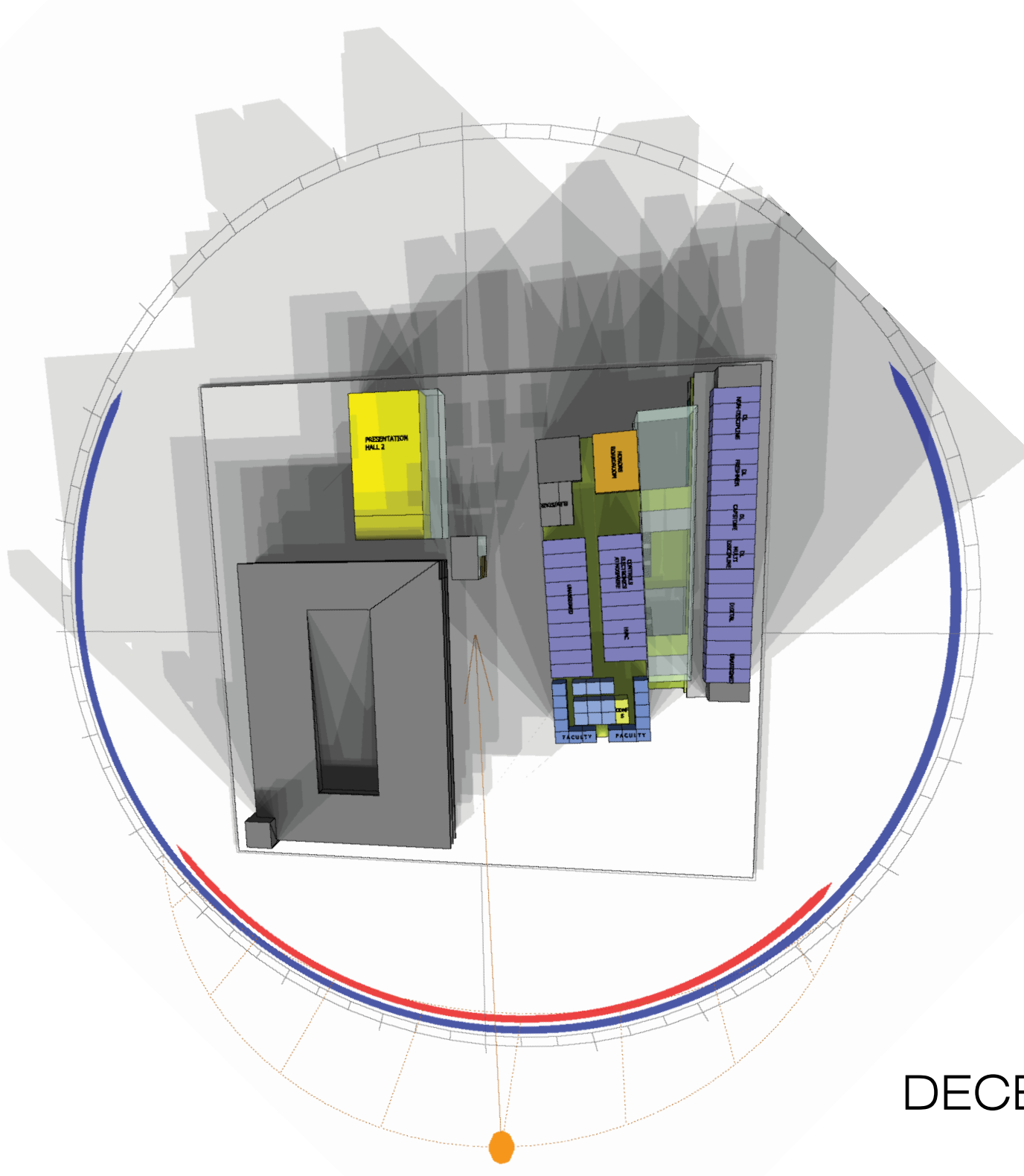
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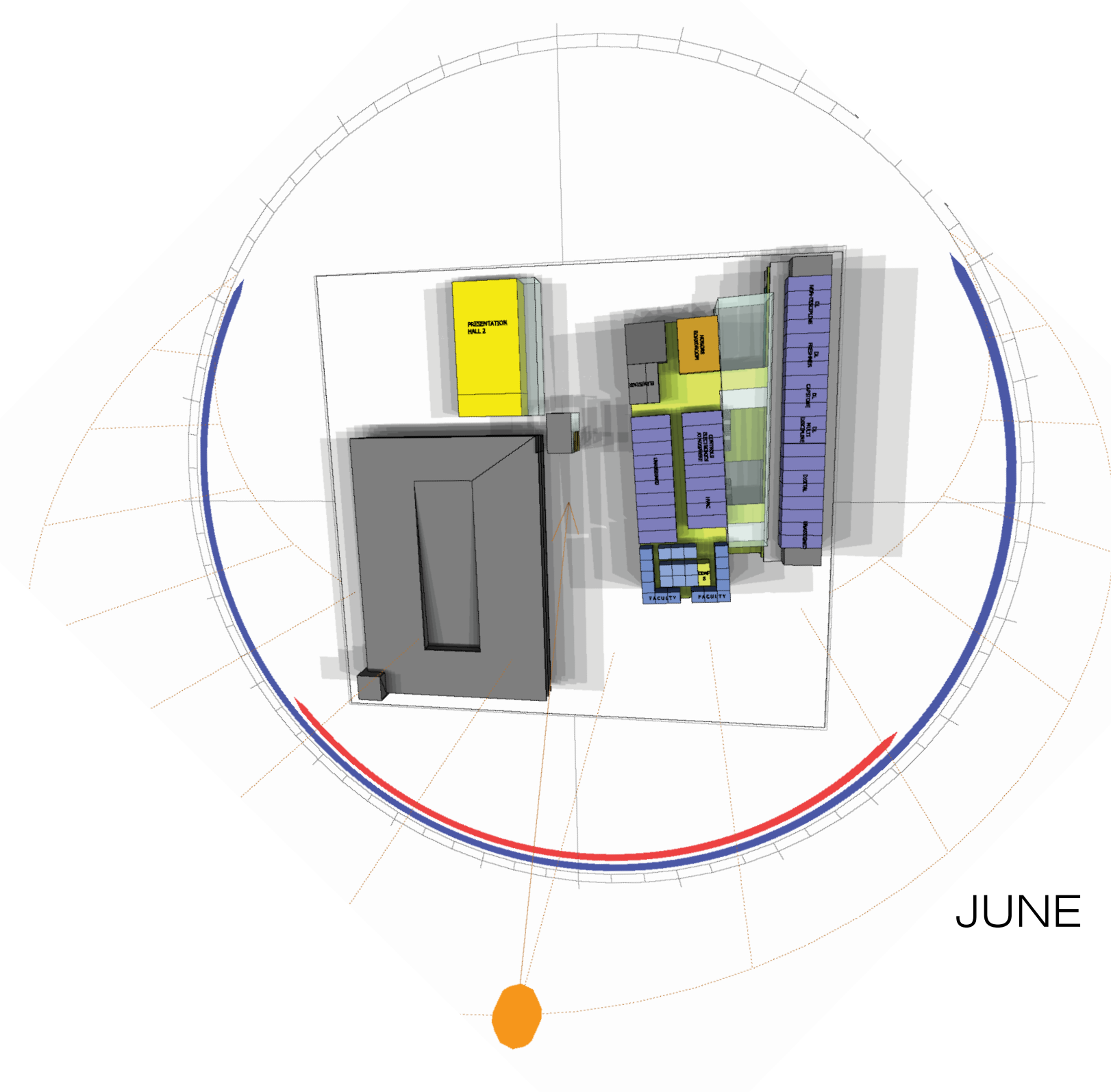
SITE PLAN



SEPTEMBER



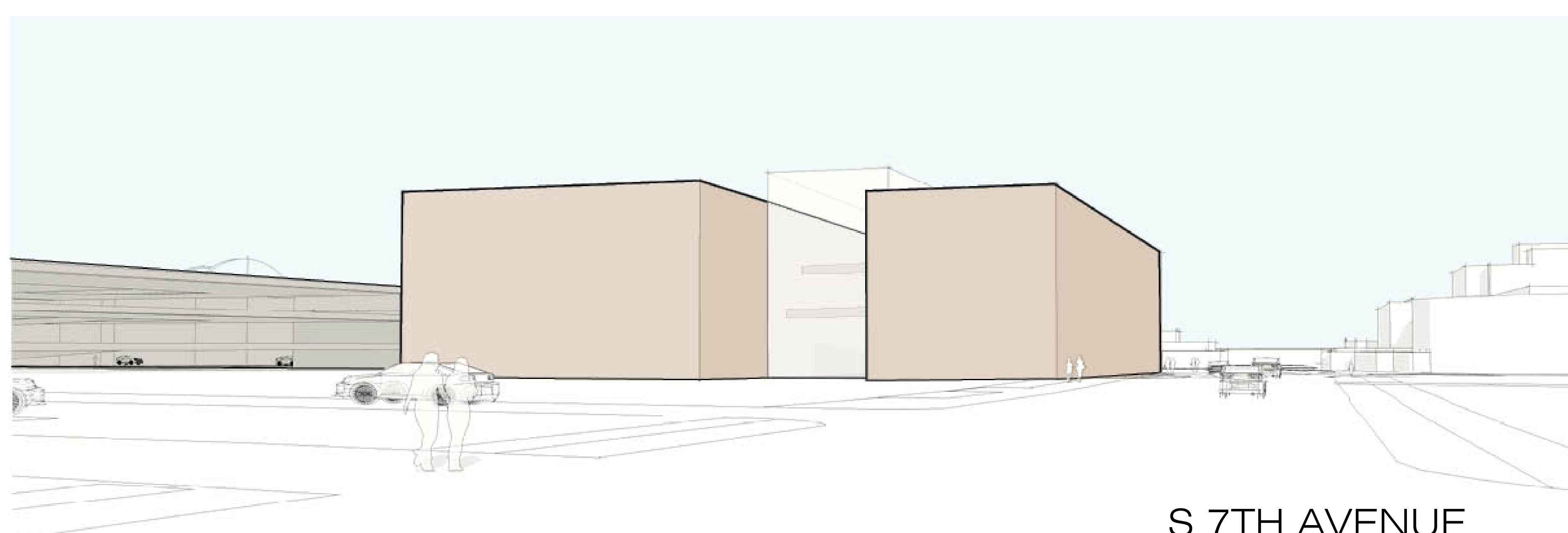
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JUNE



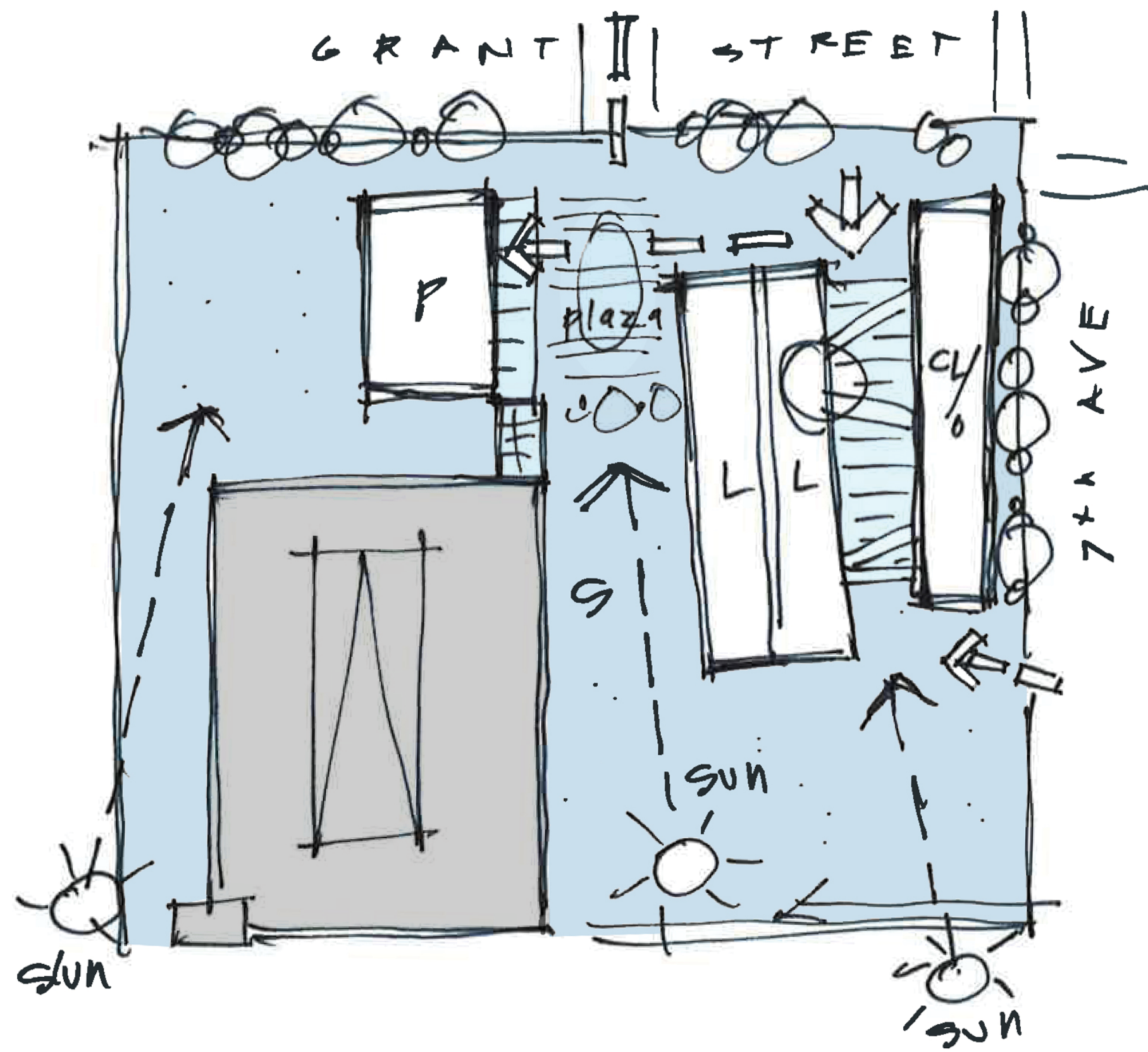
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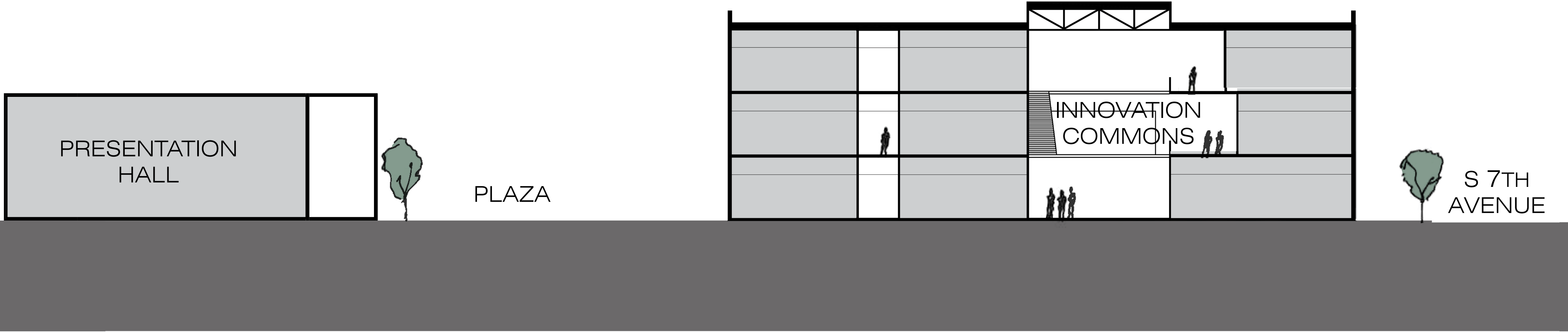
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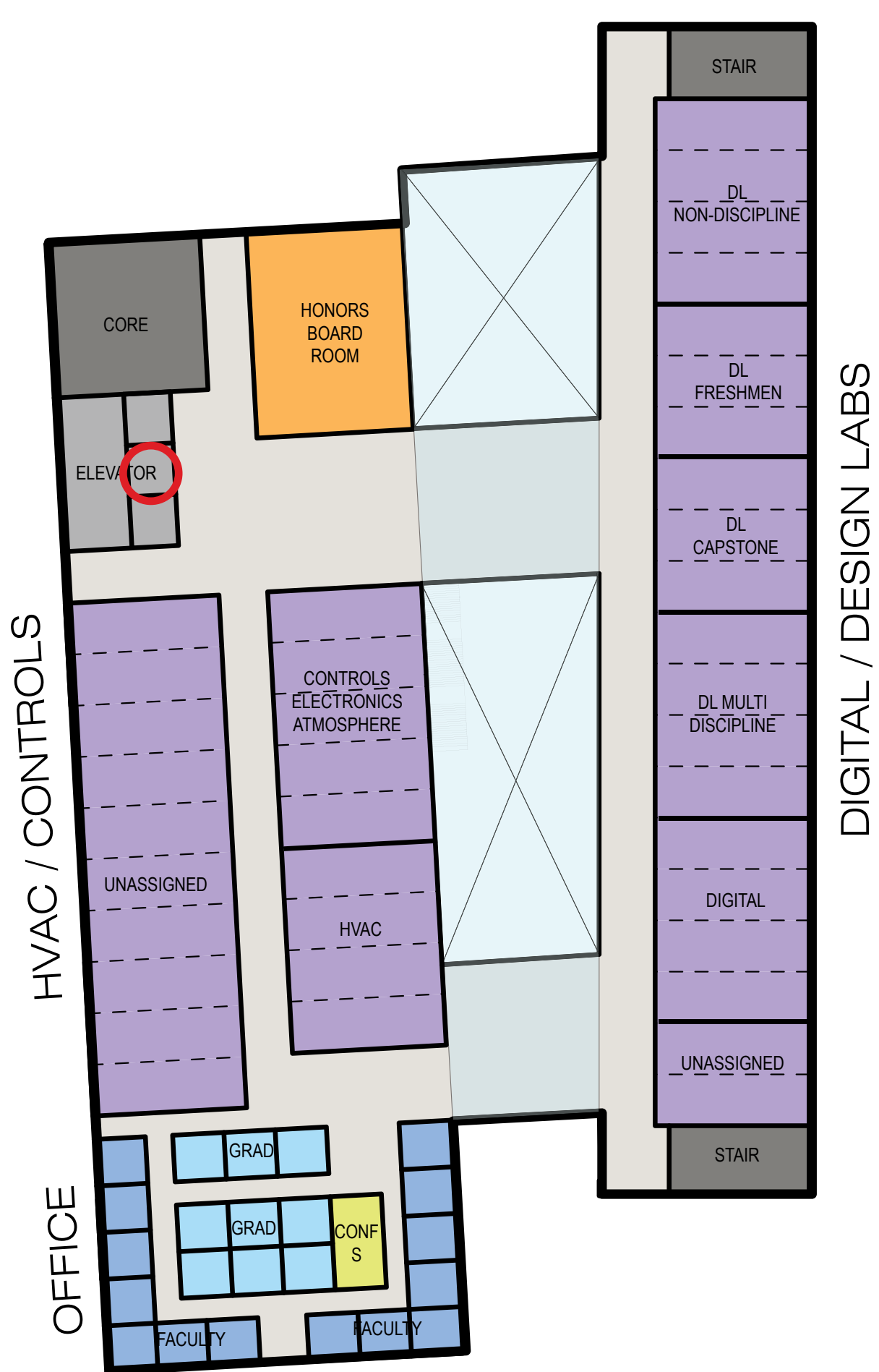
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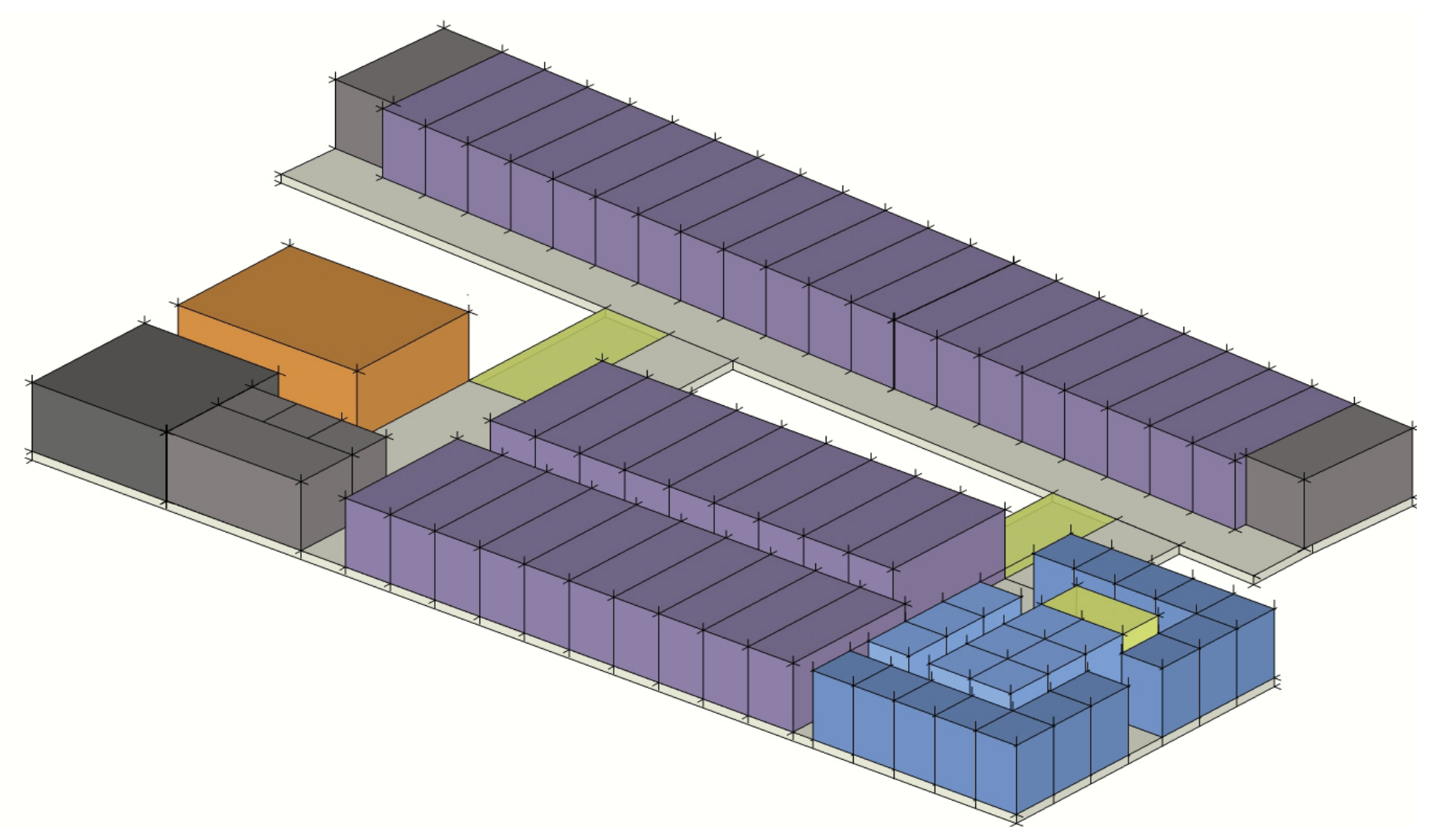
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 GRANT STREET PLAZA



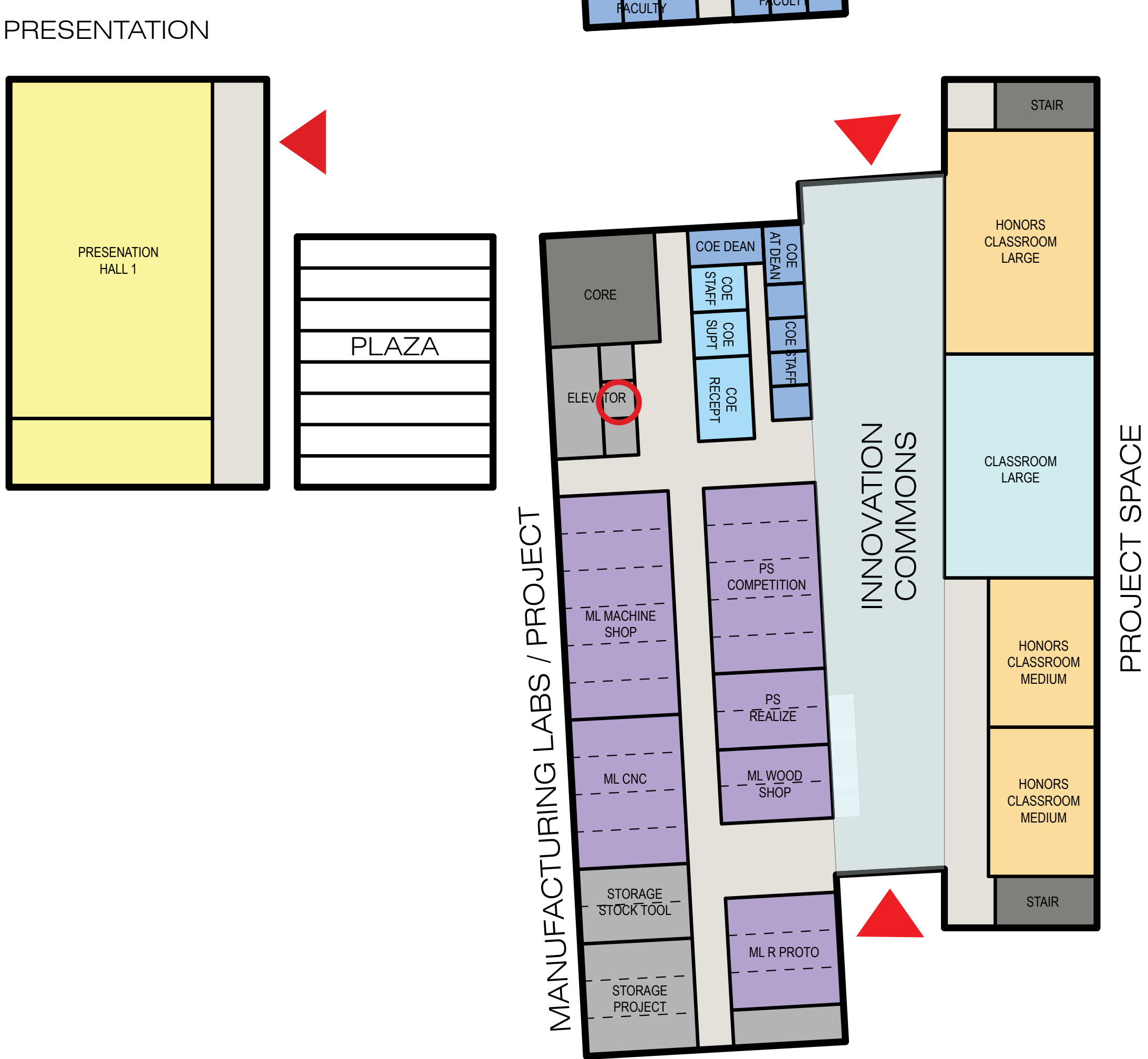
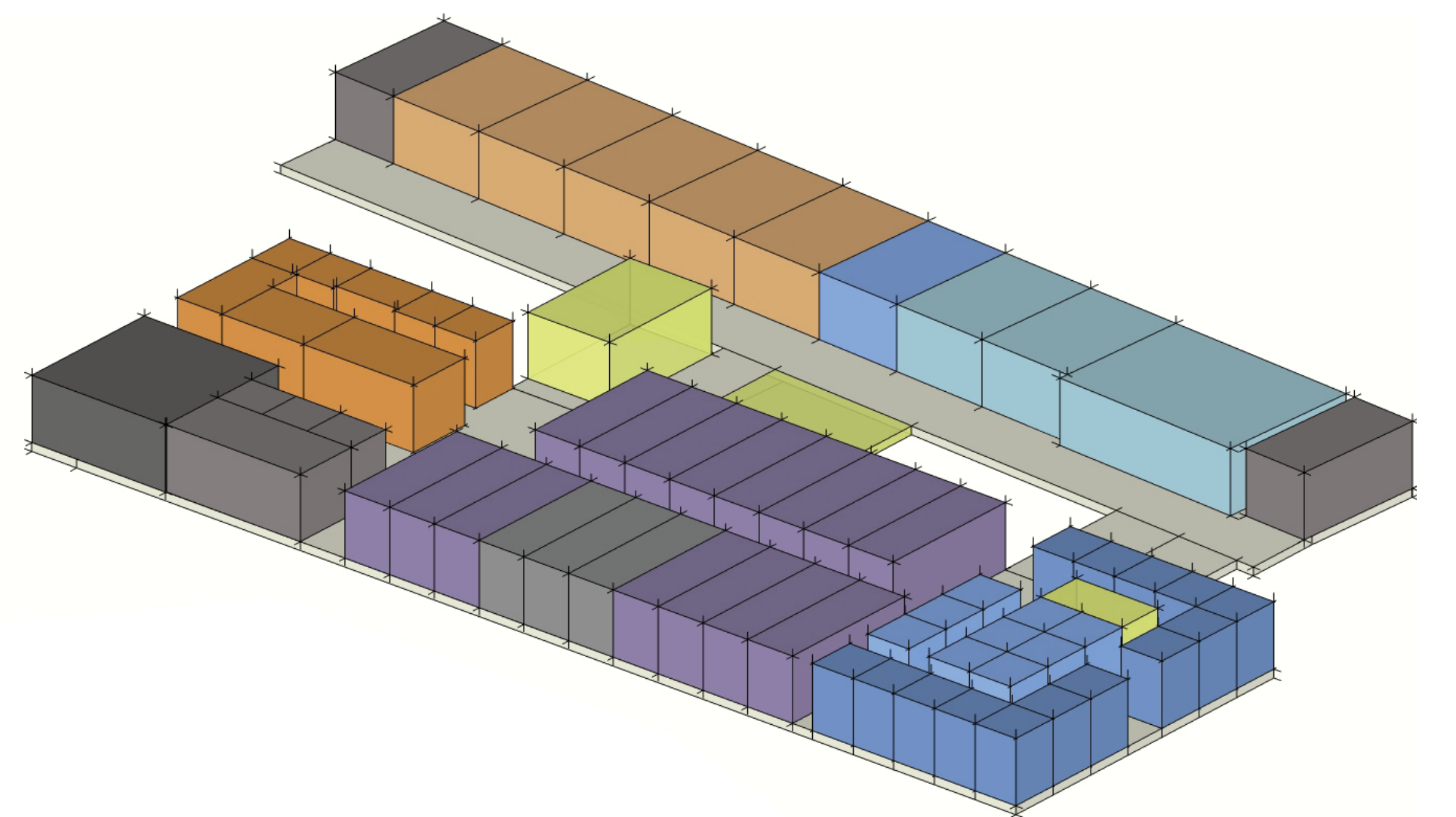
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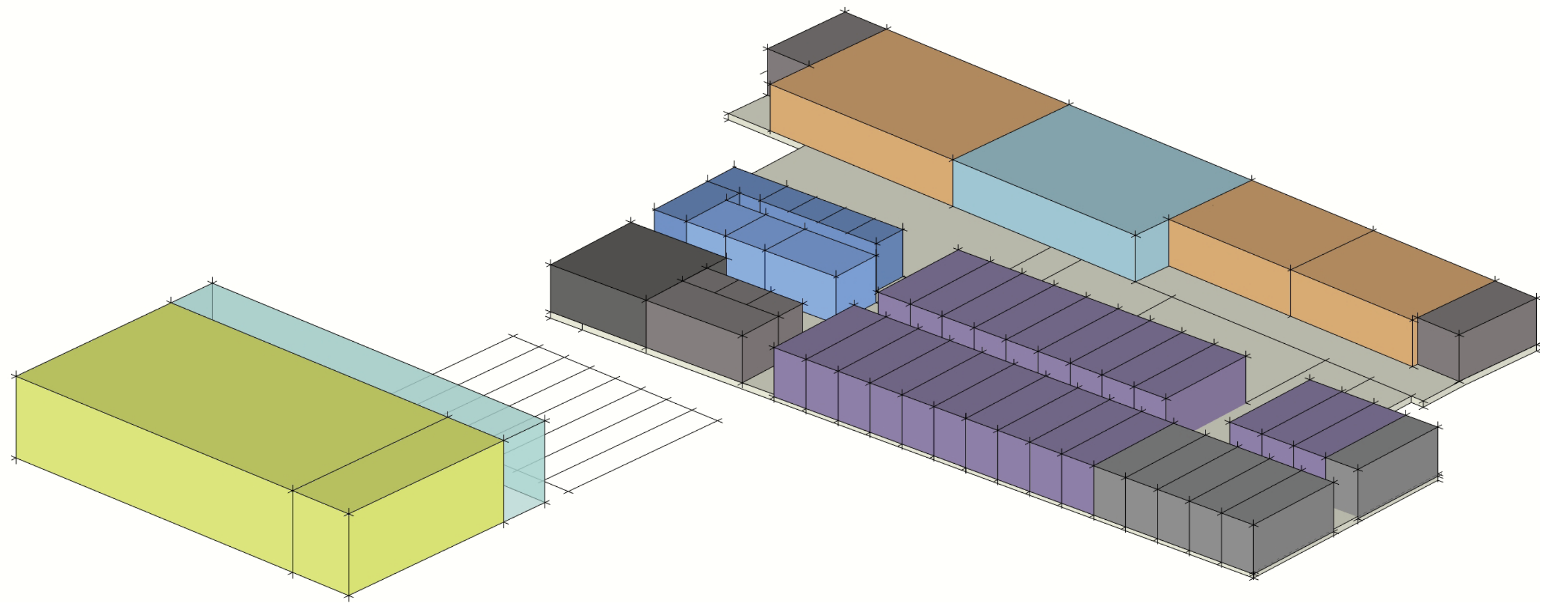
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SECOND FLOOR

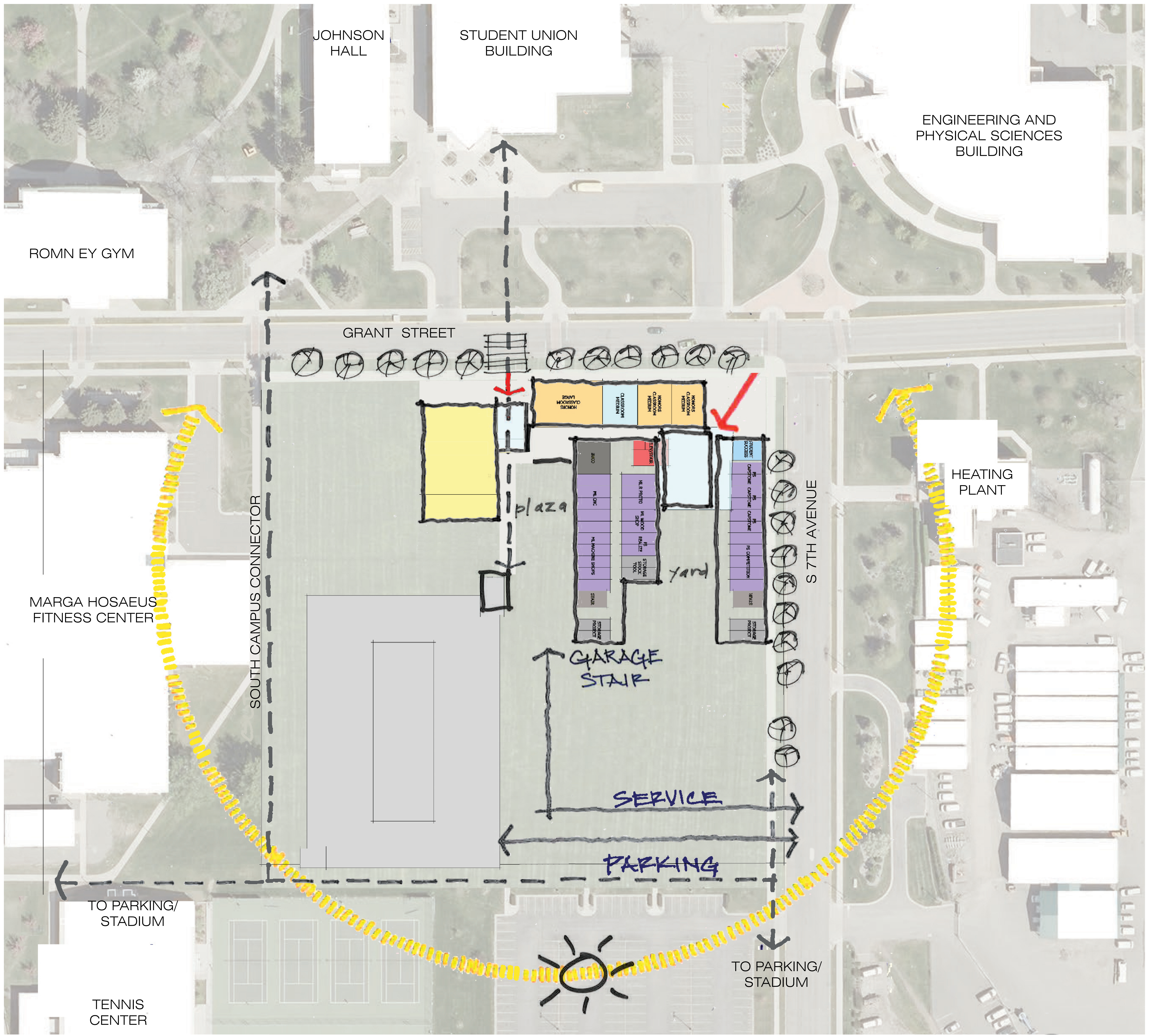


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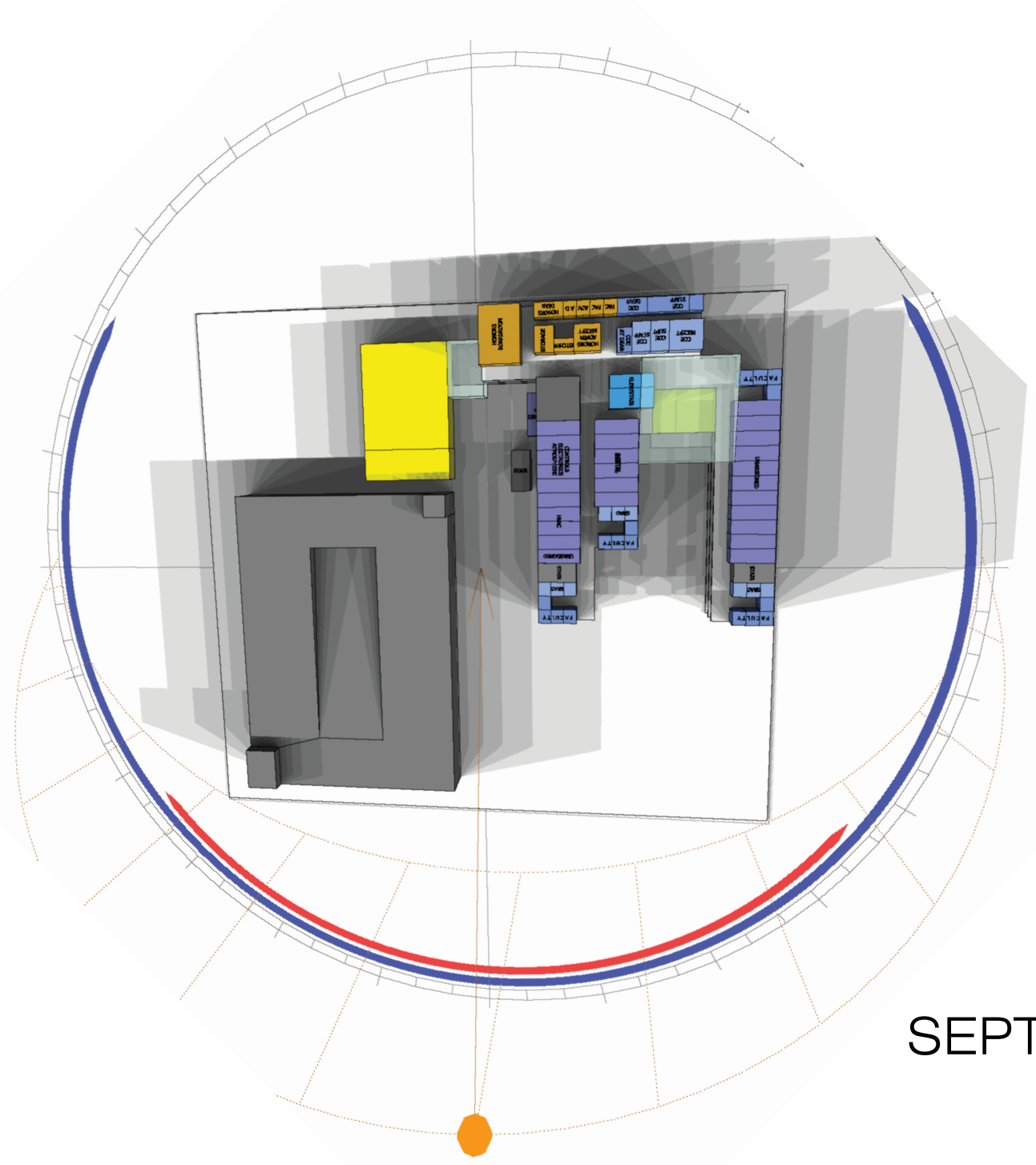


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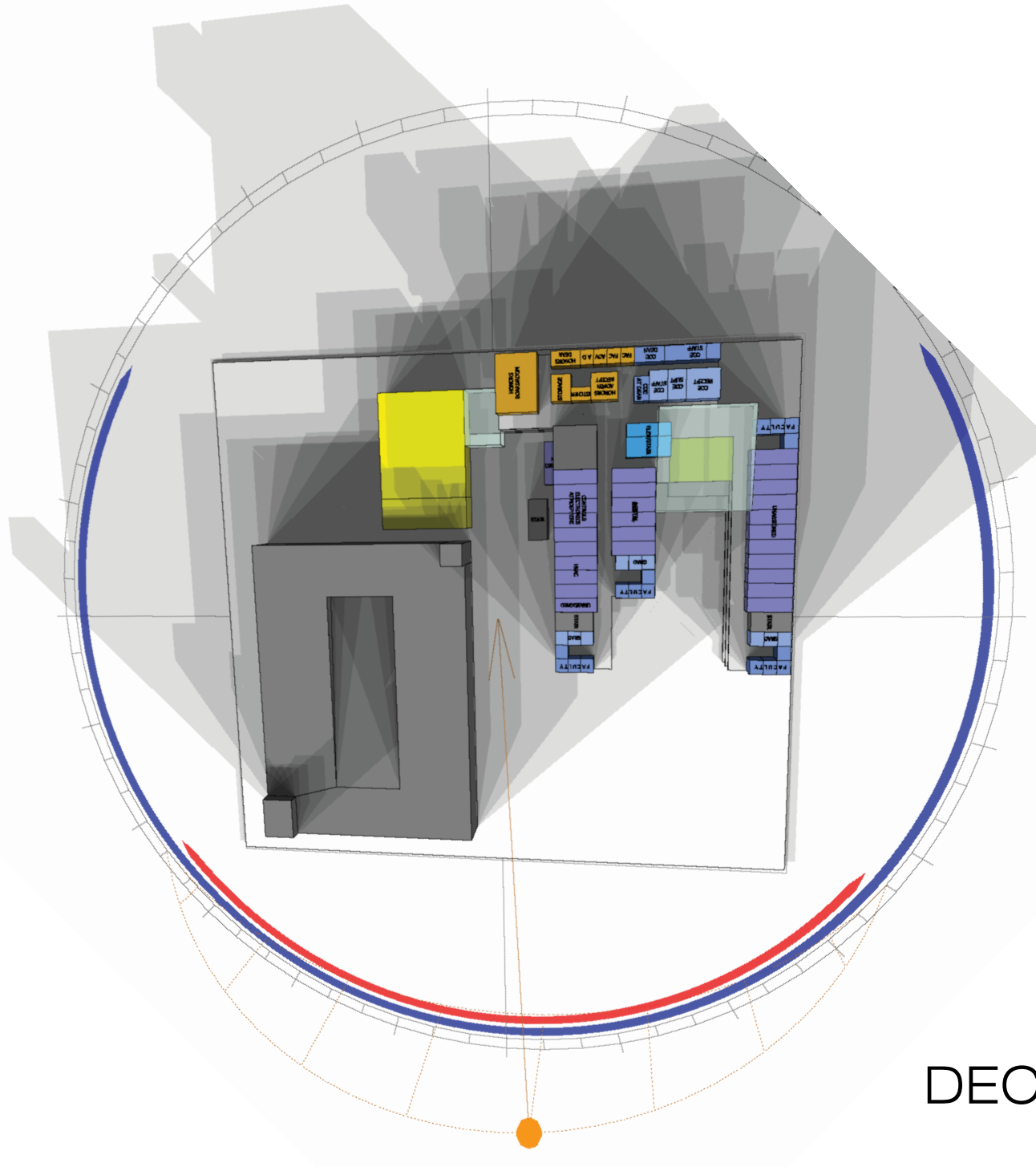
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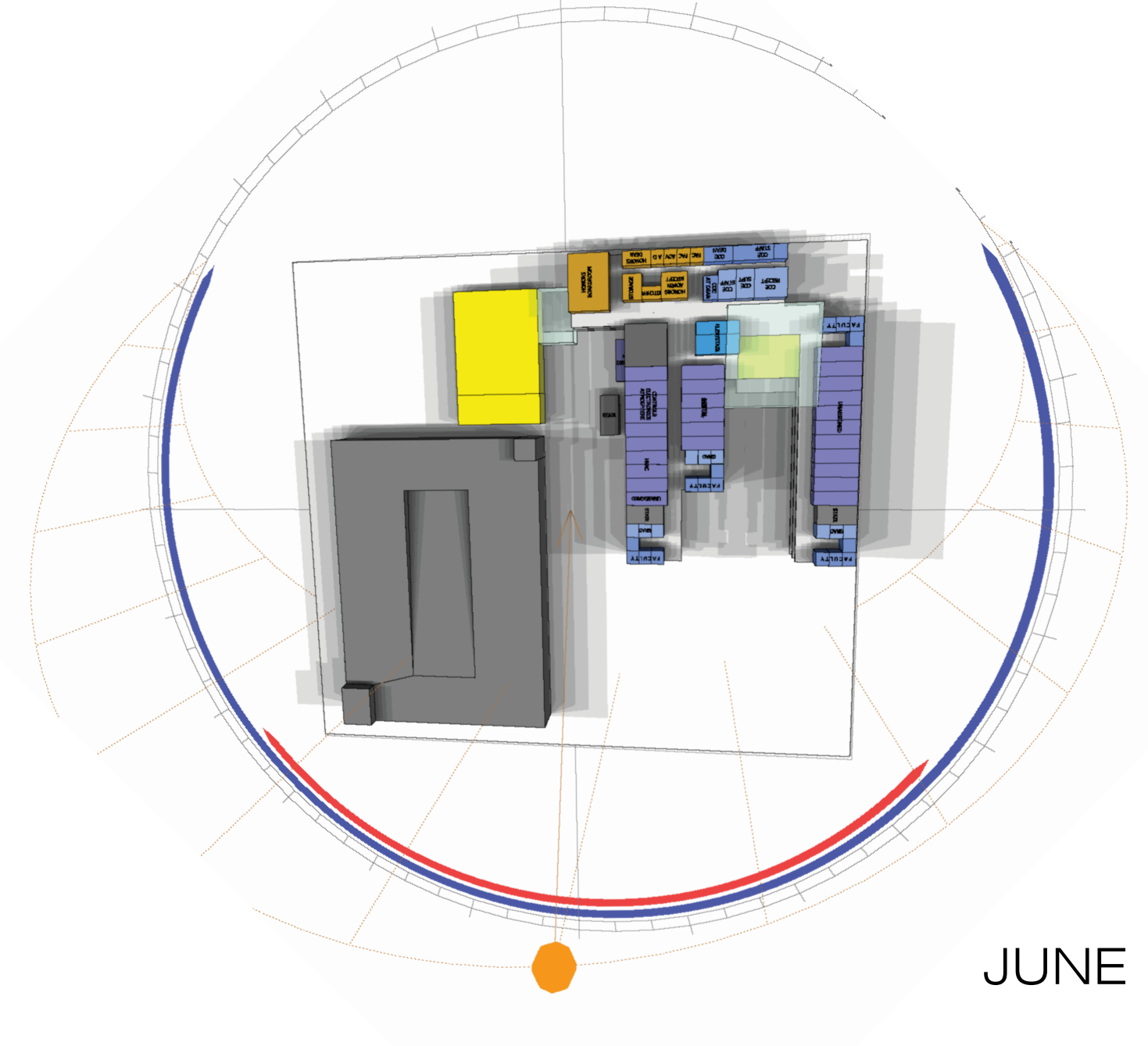
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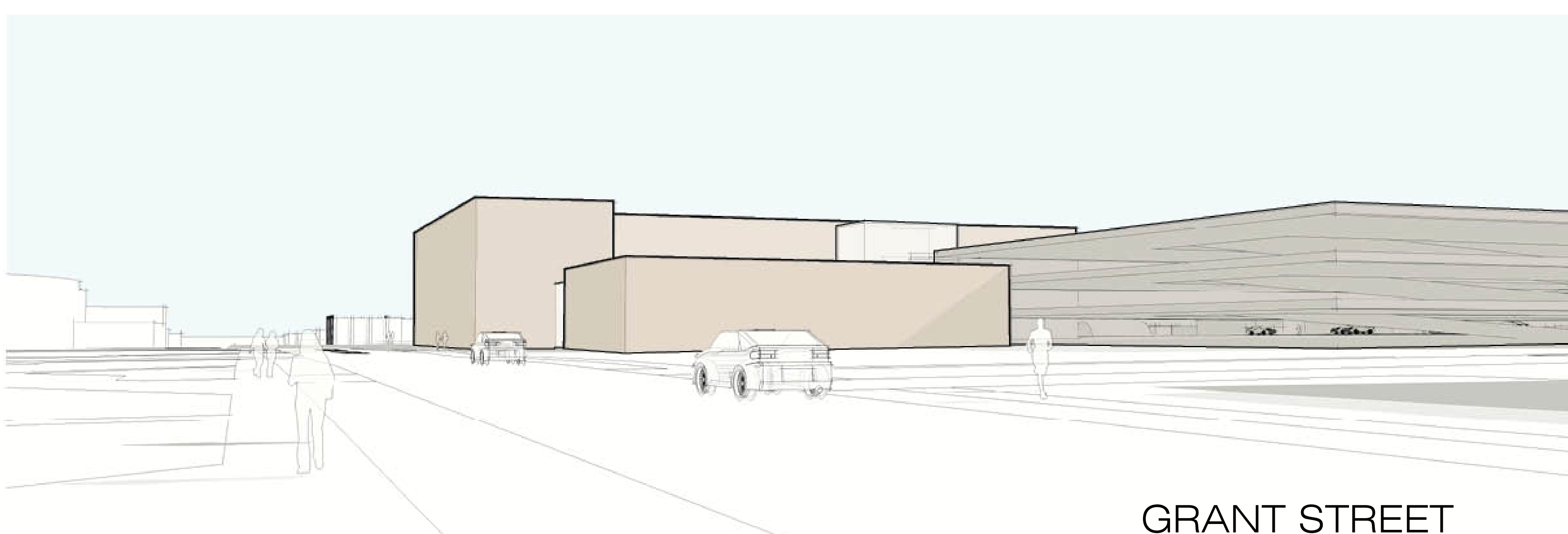
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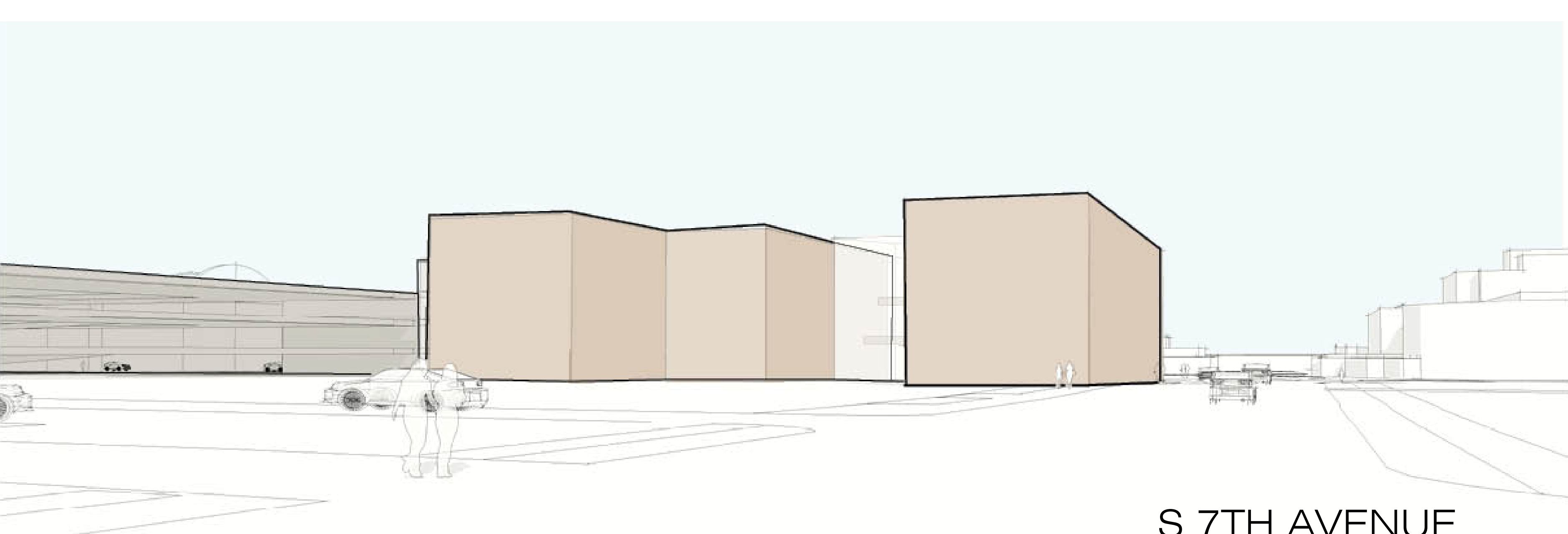
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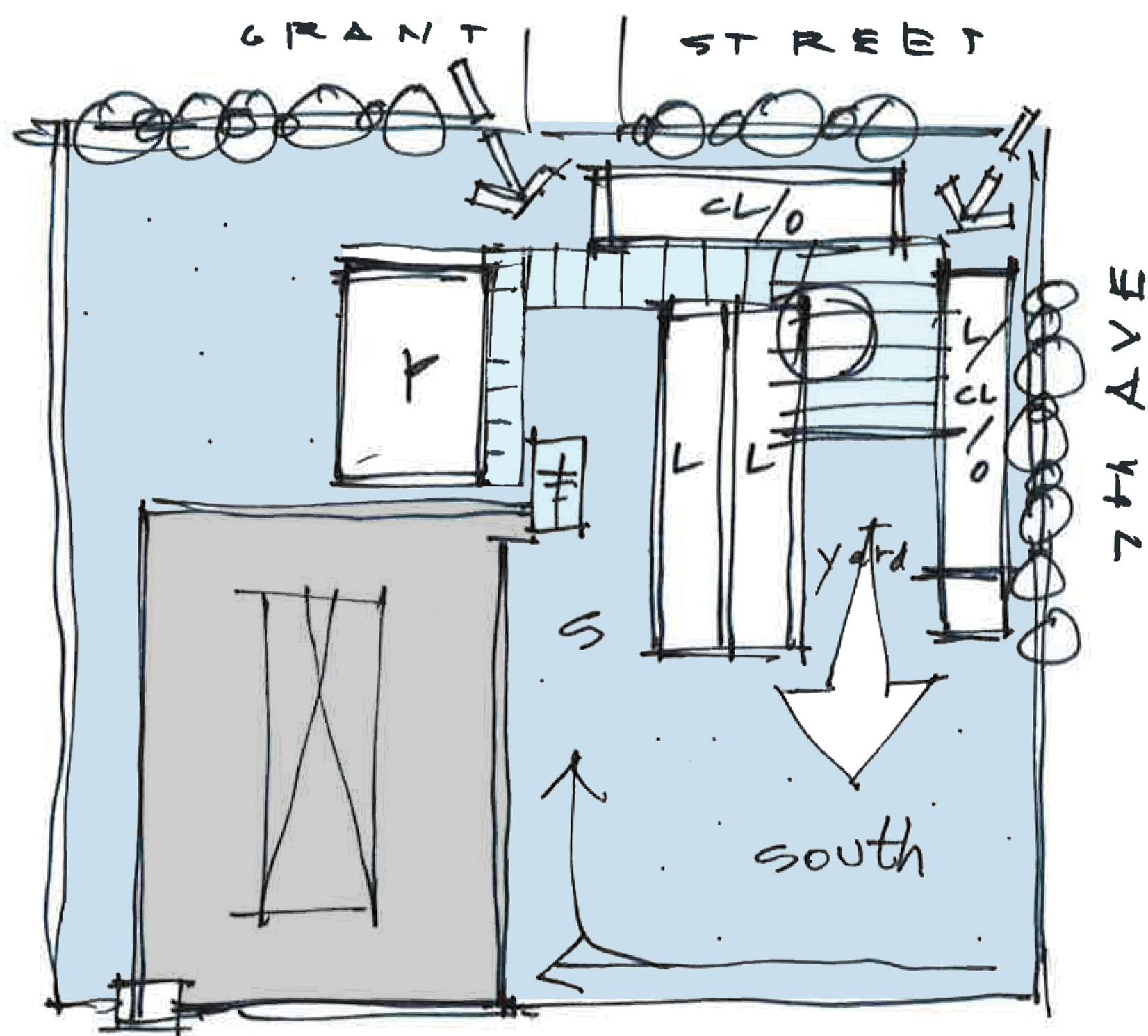


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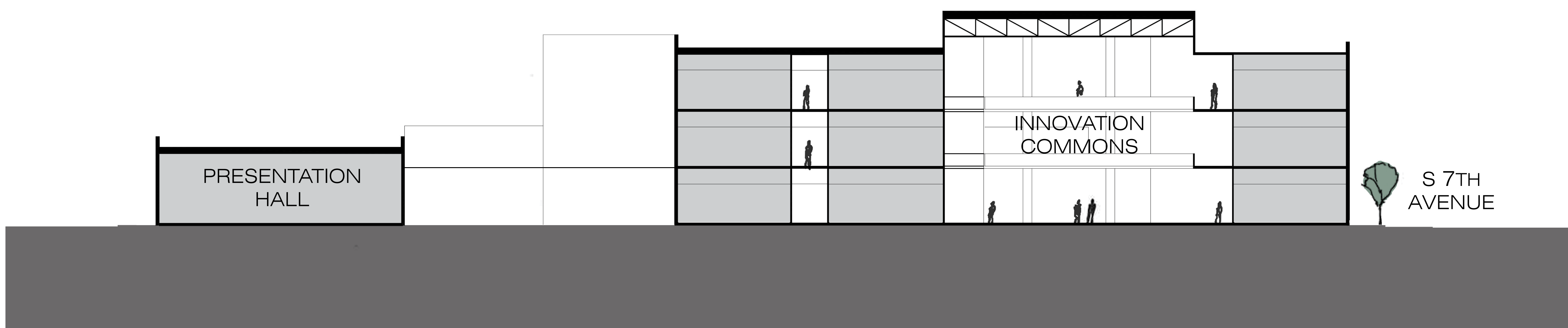


S 7TH AVENUE  
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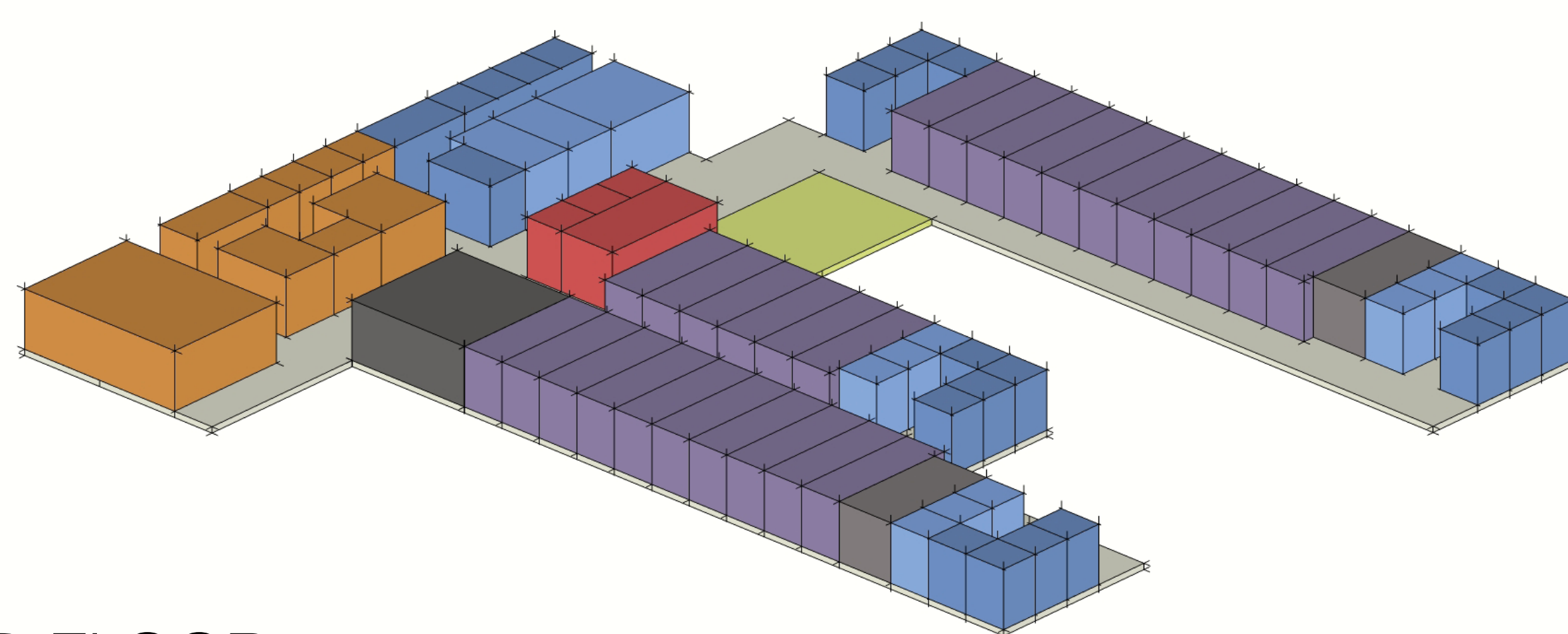
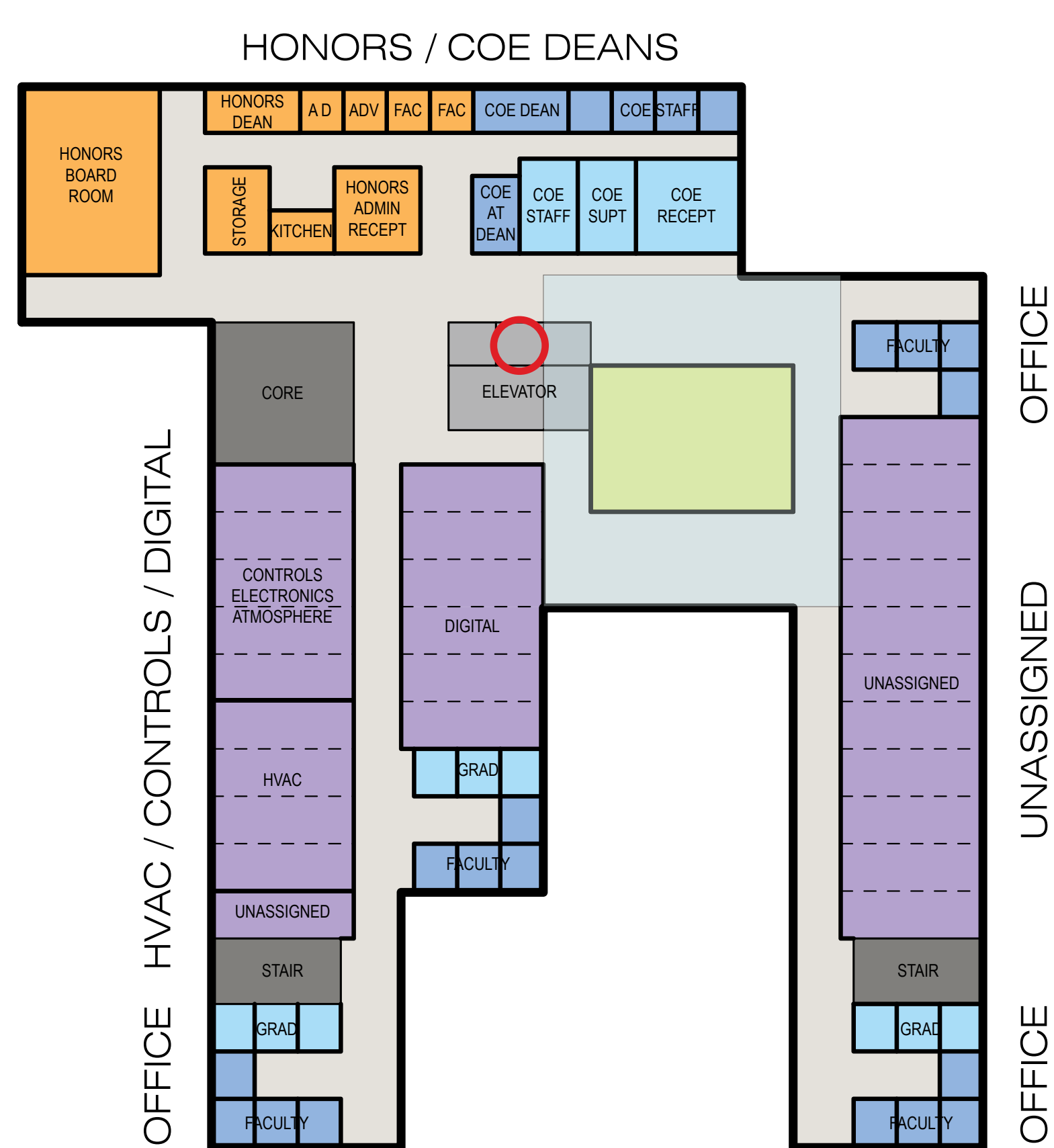
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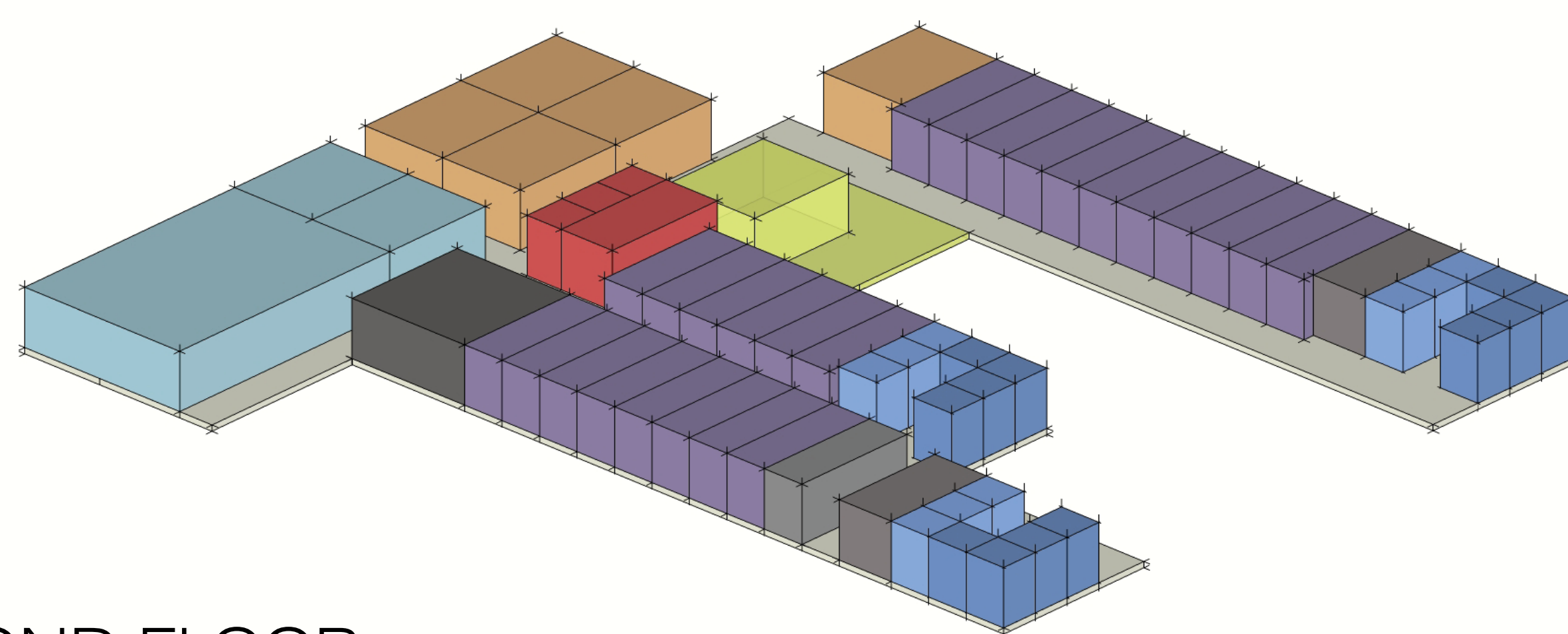
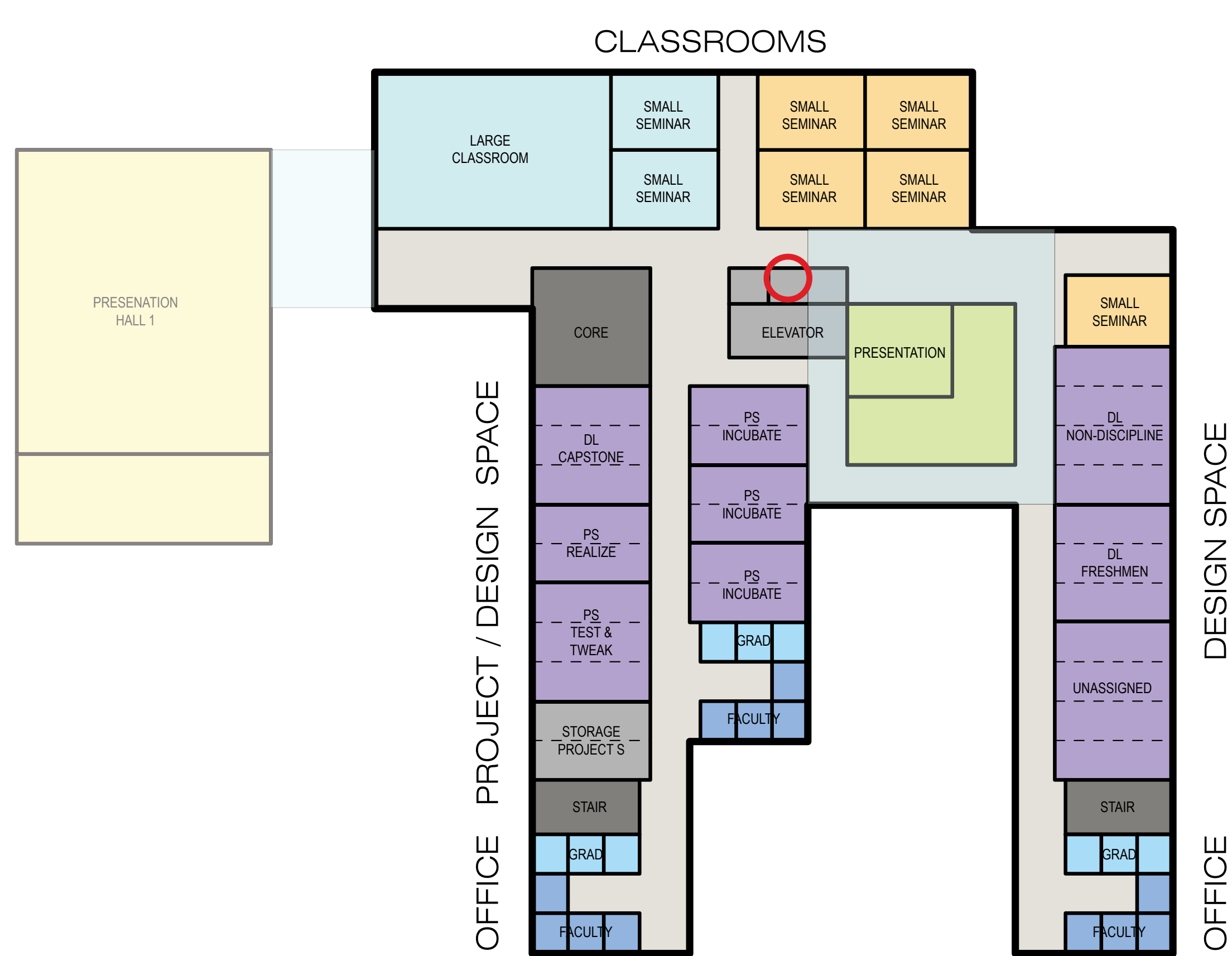
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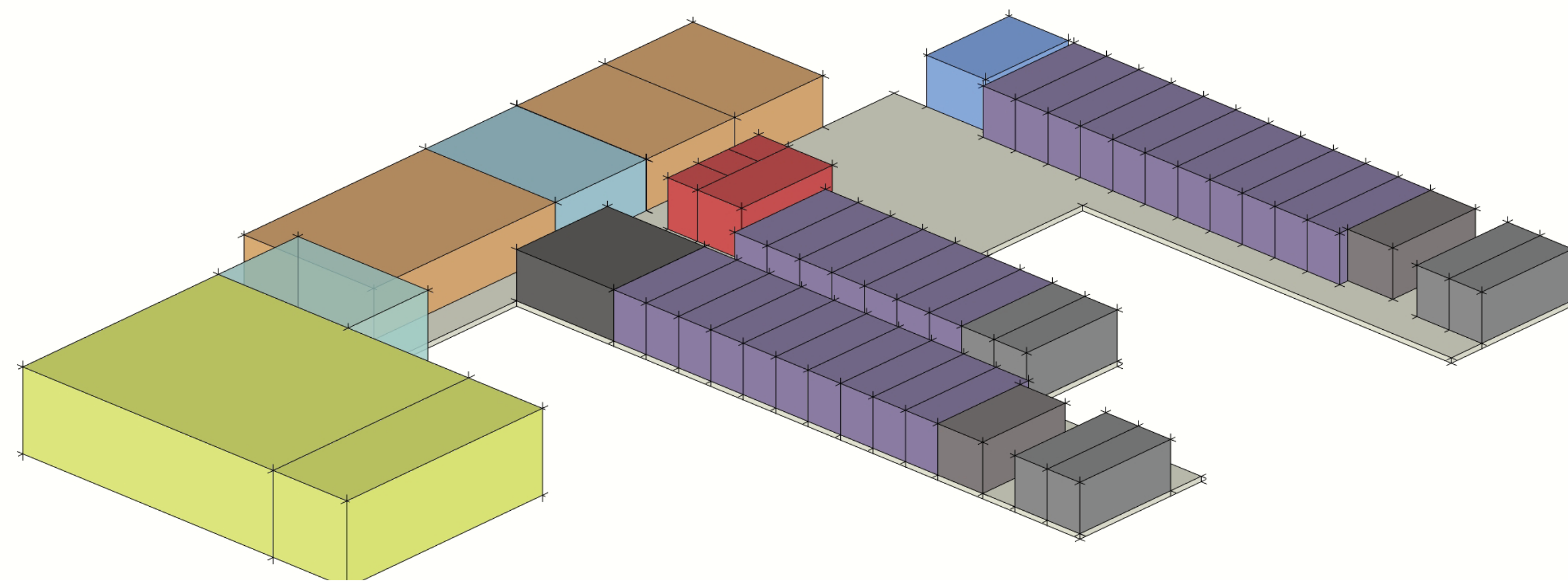
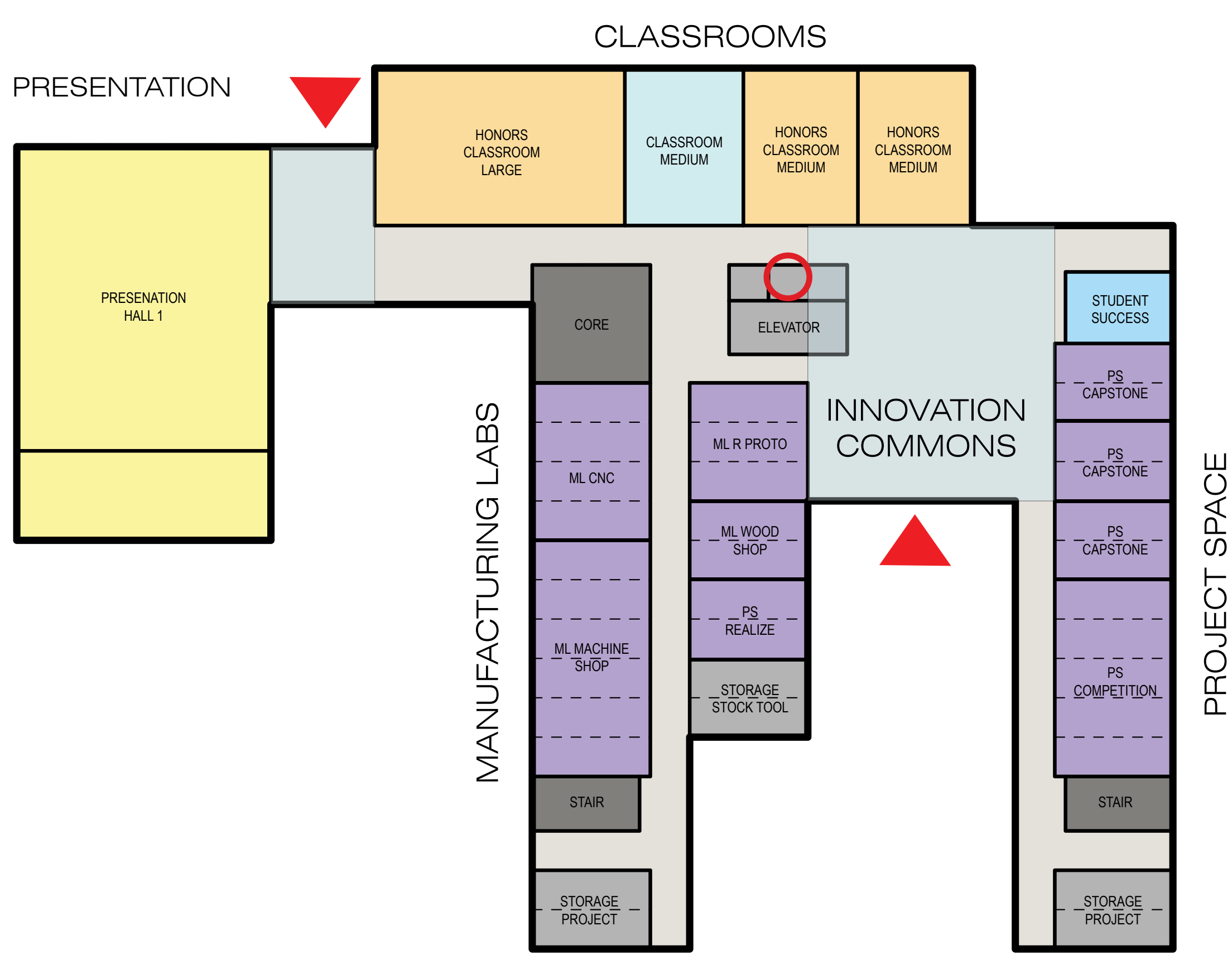
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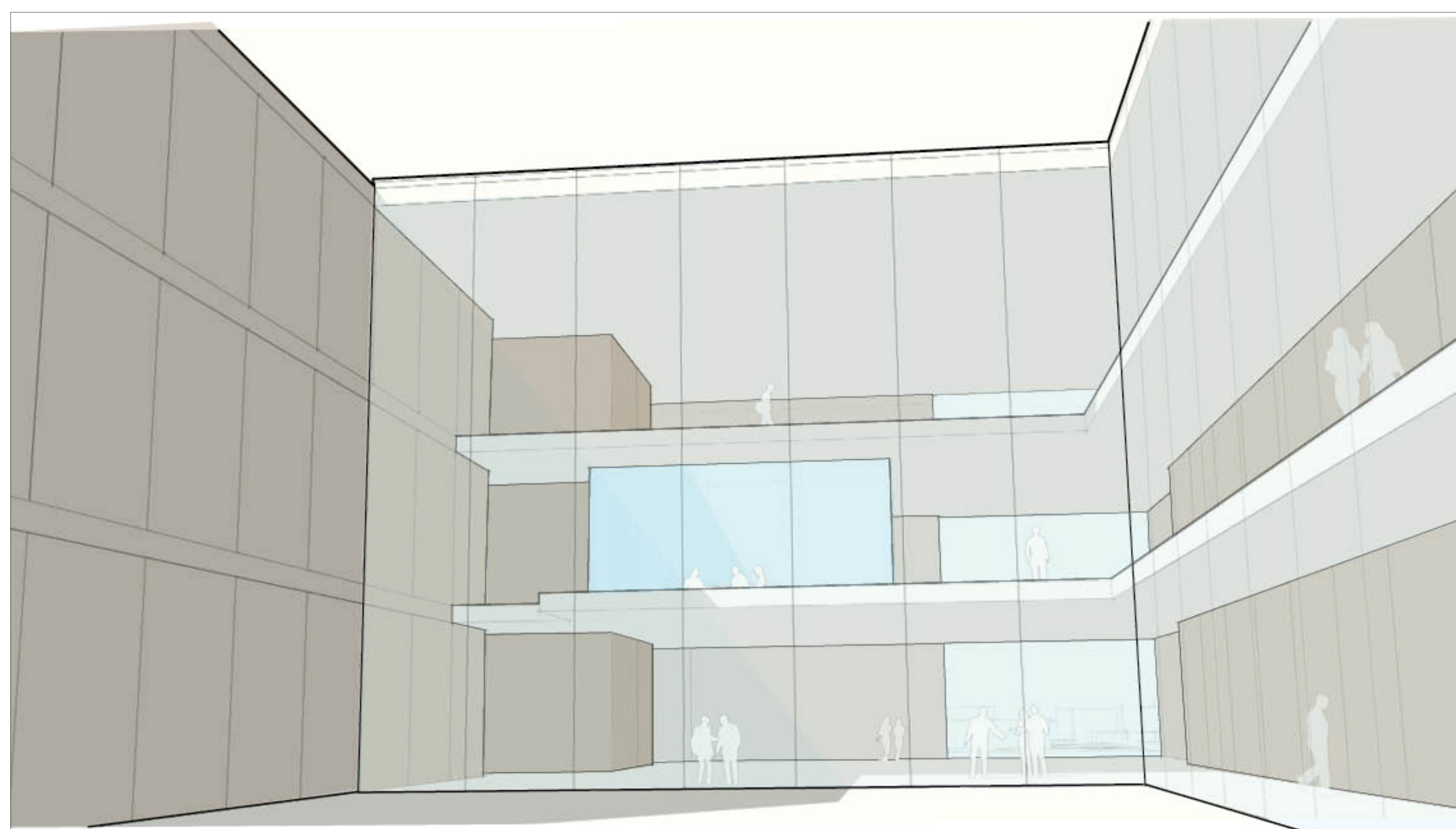
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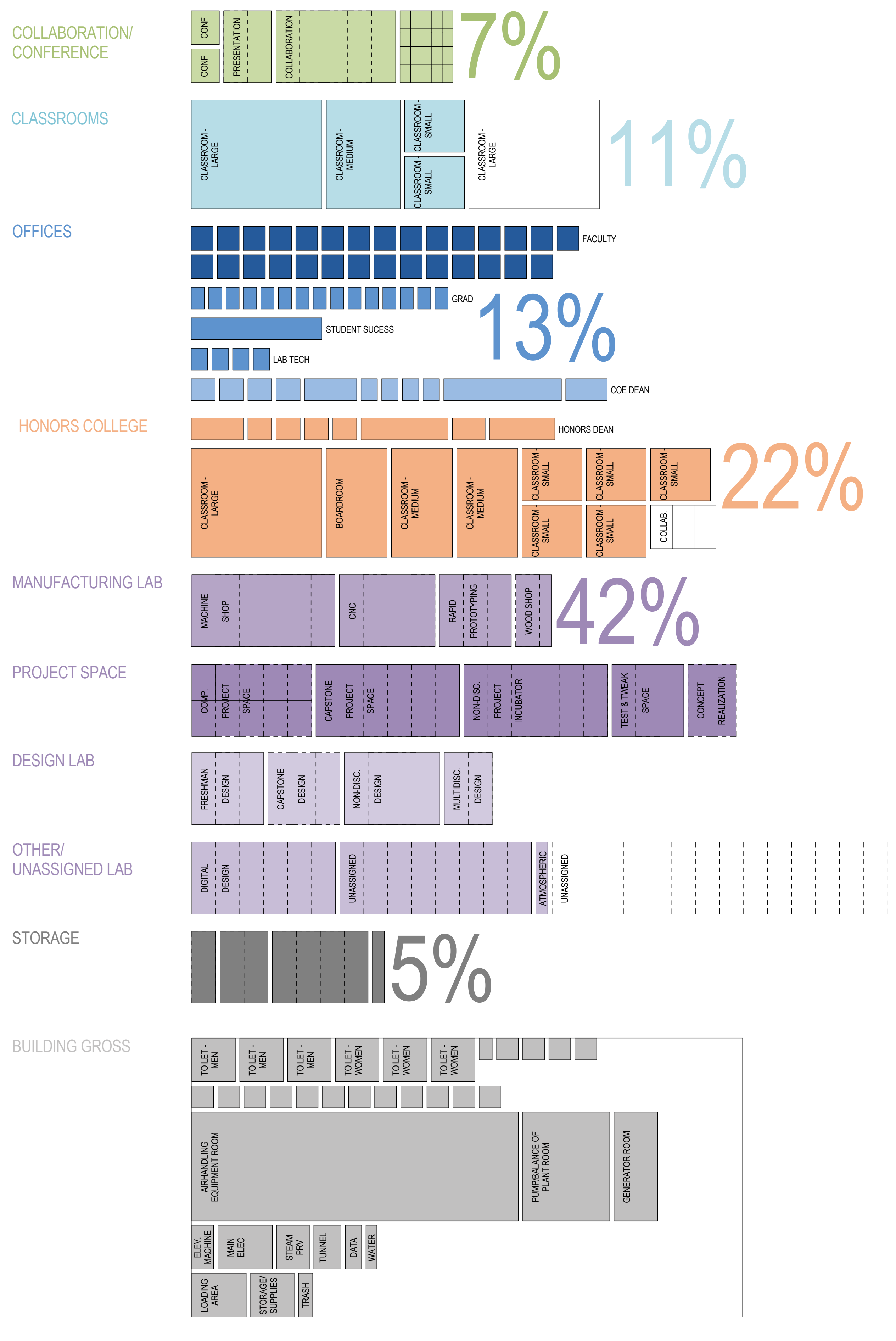
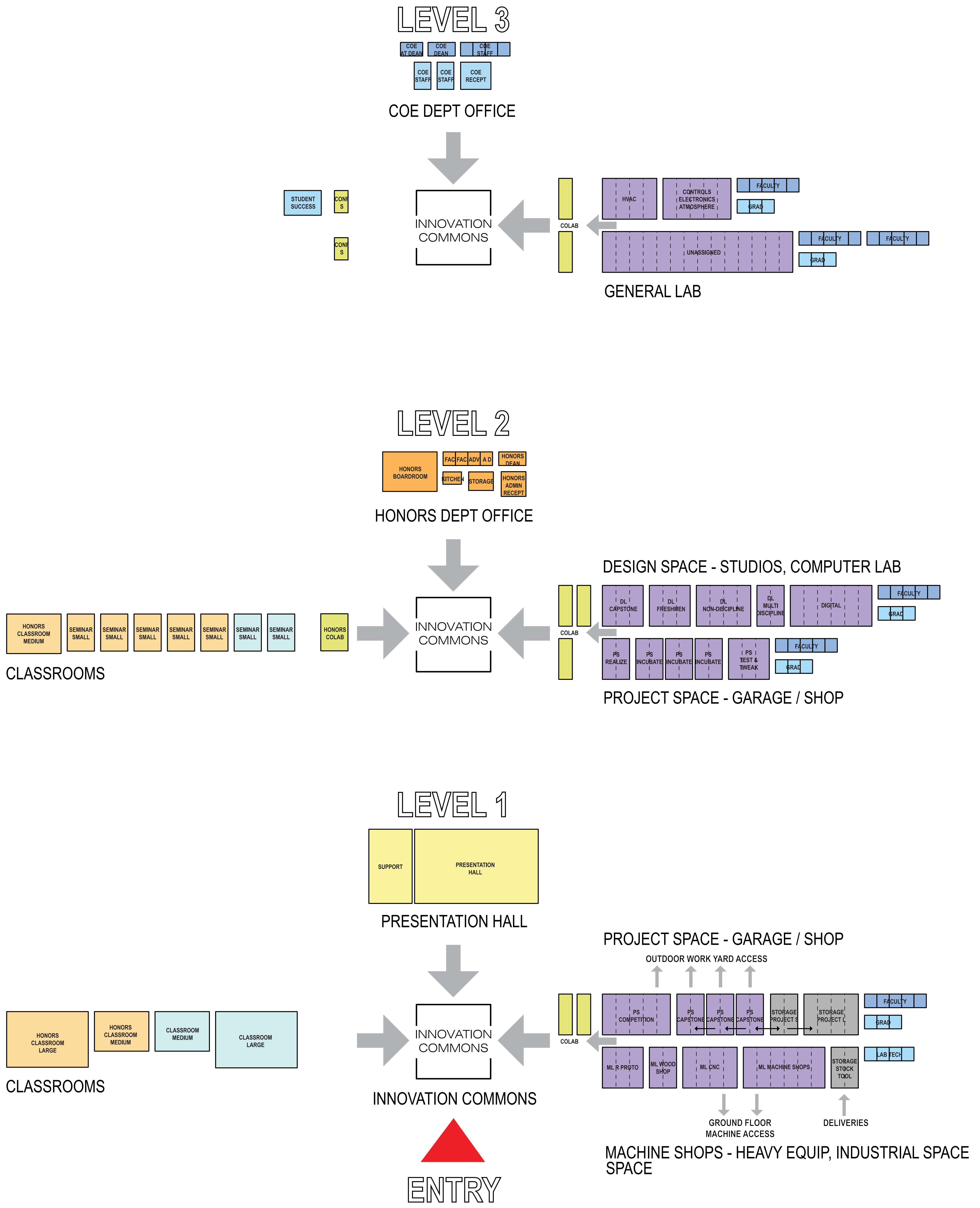


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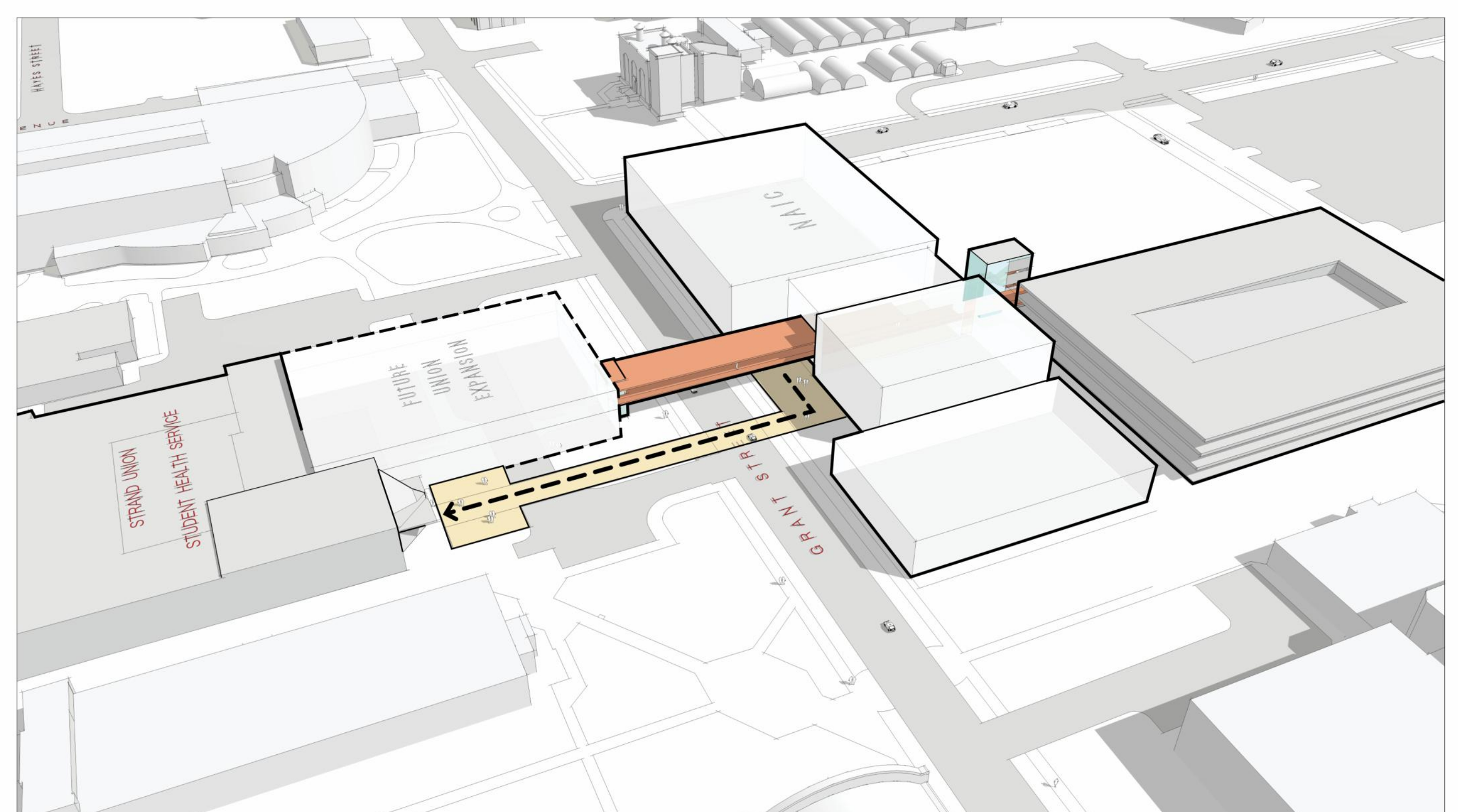
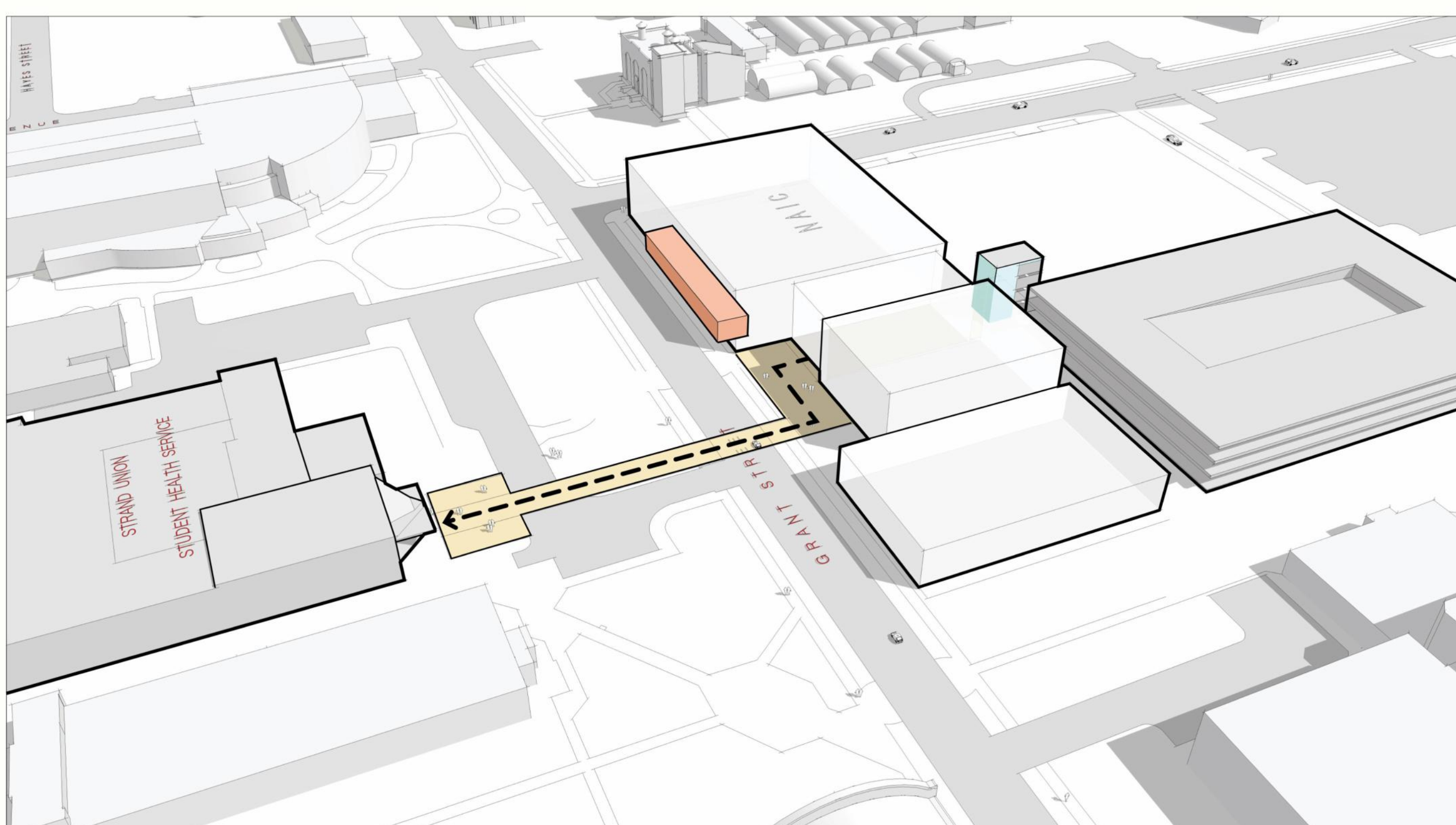
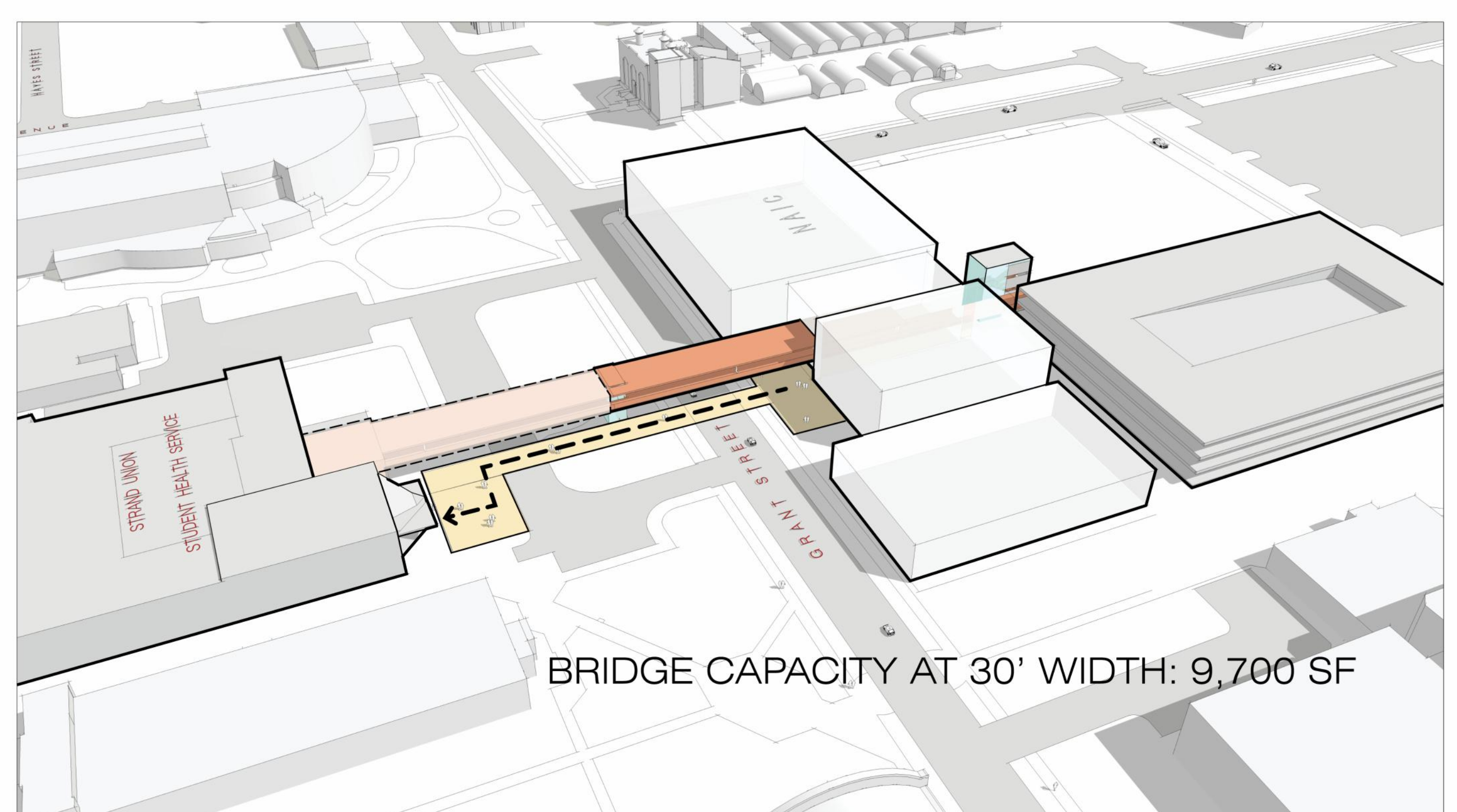
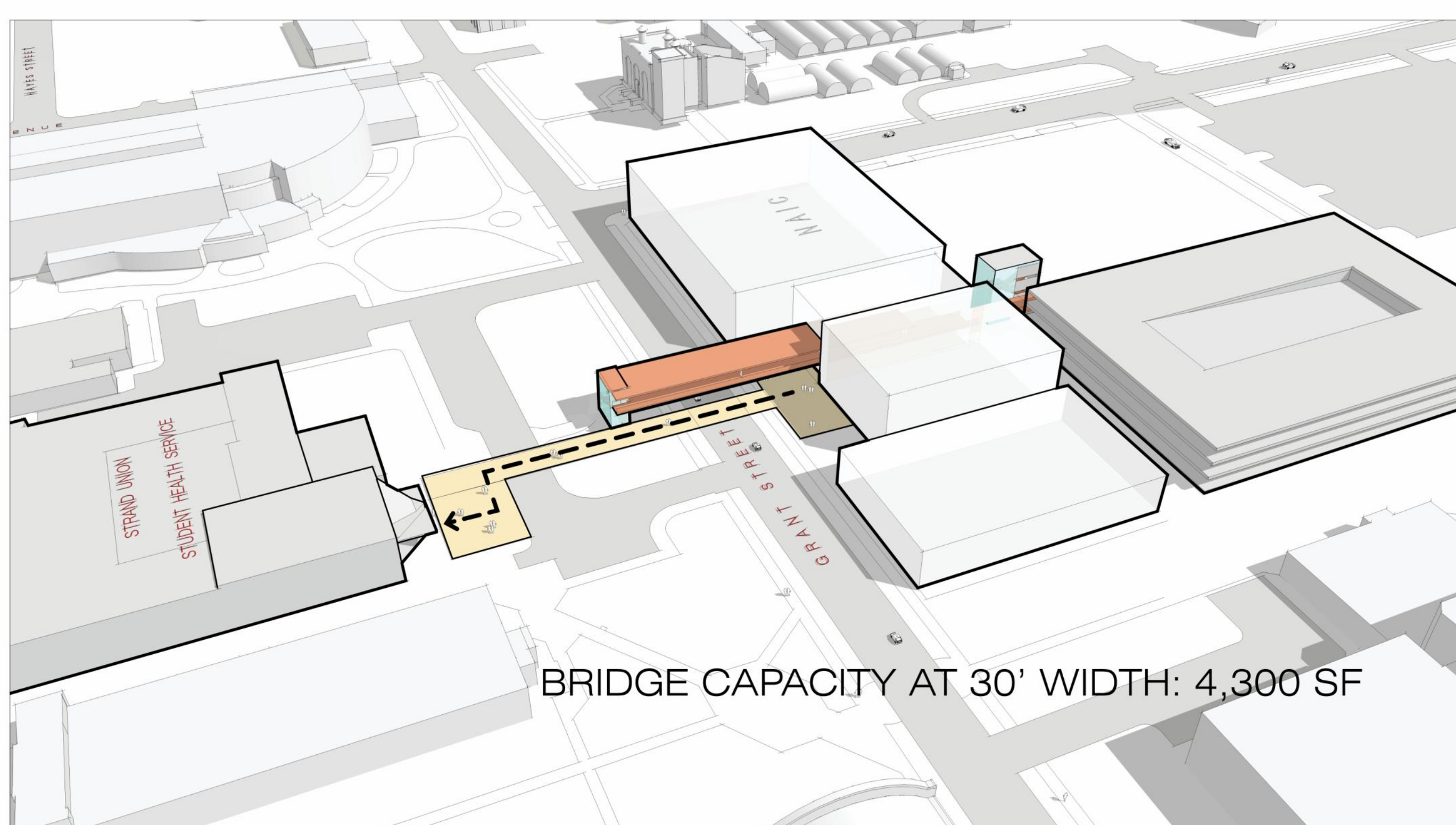
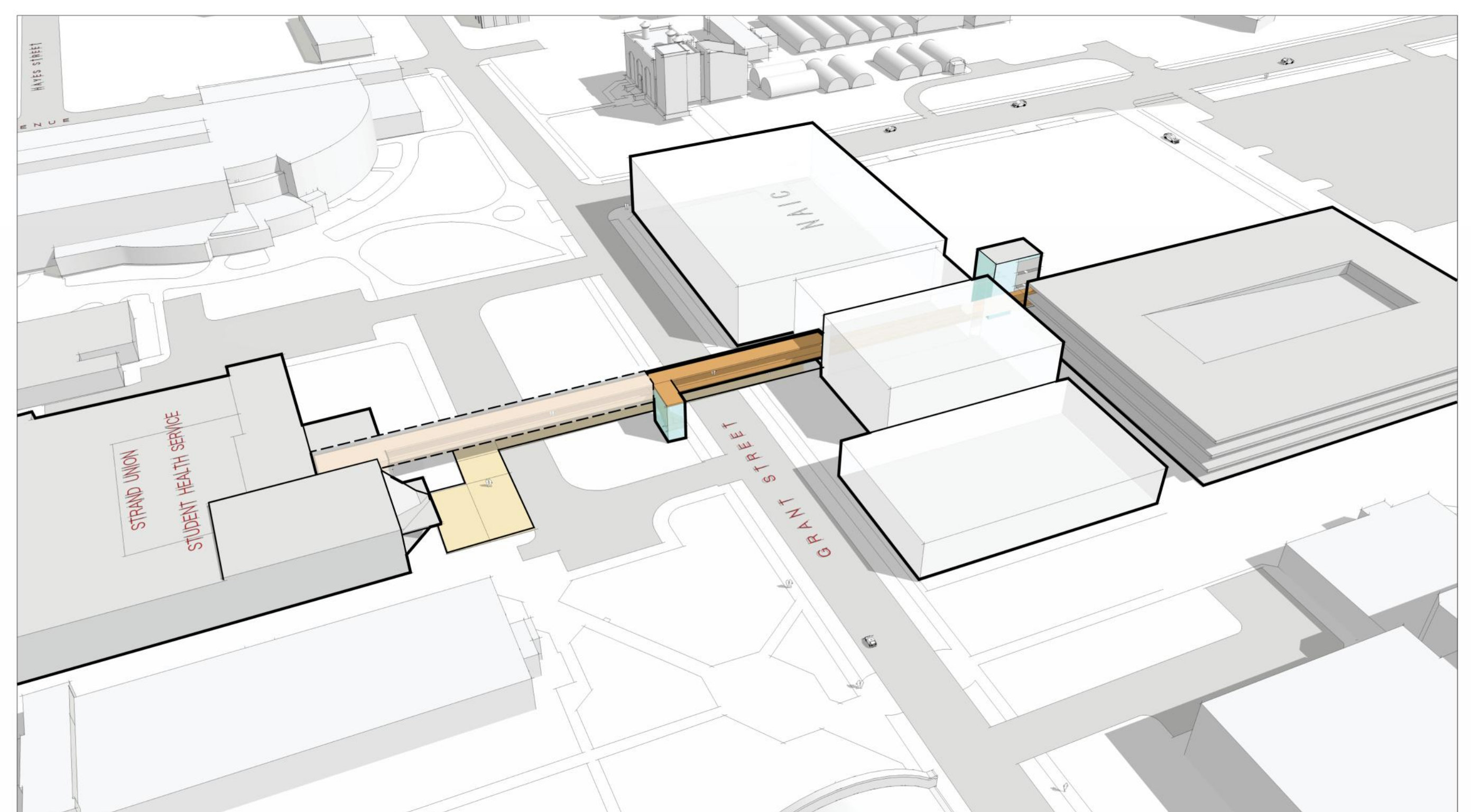
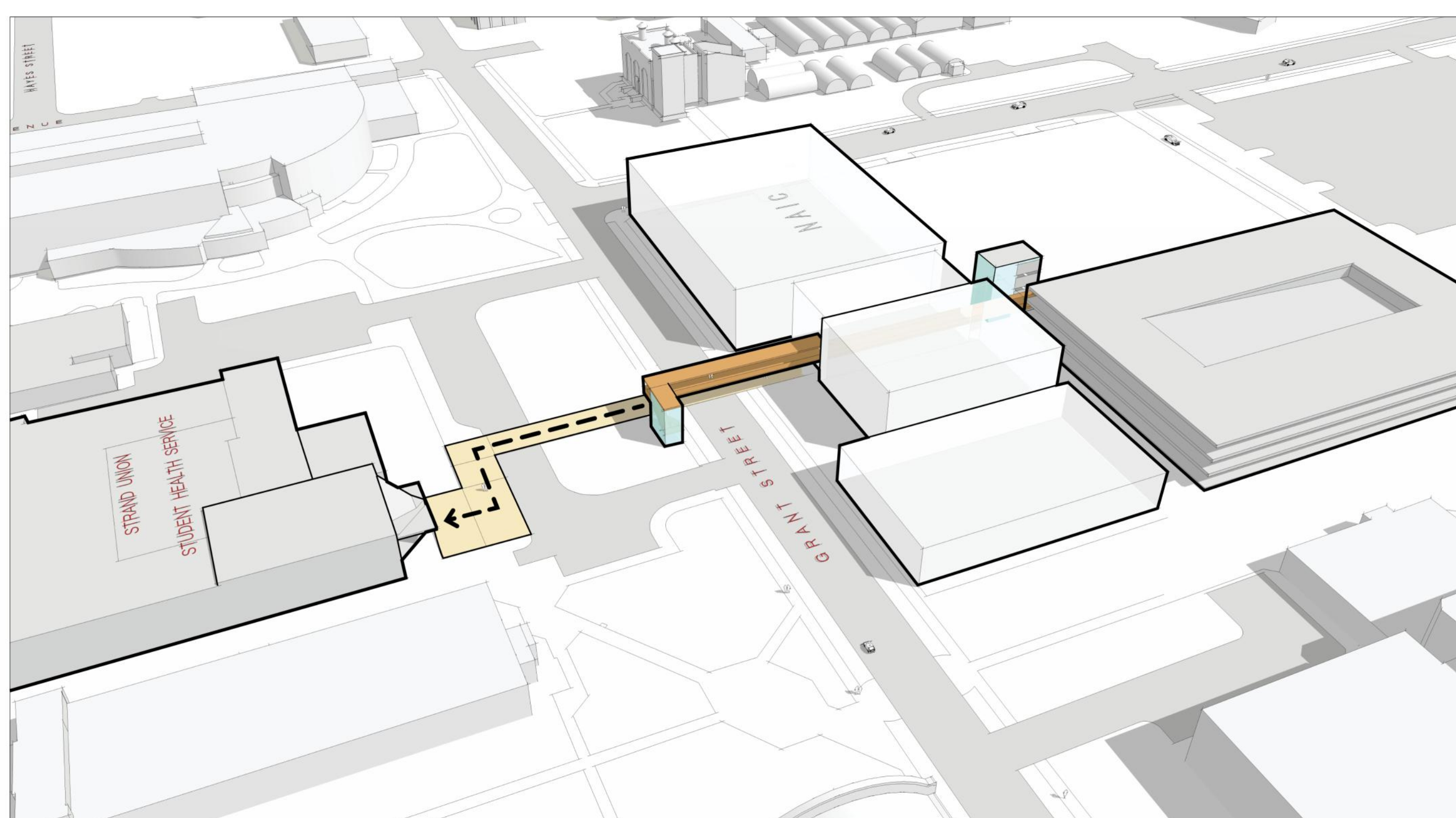
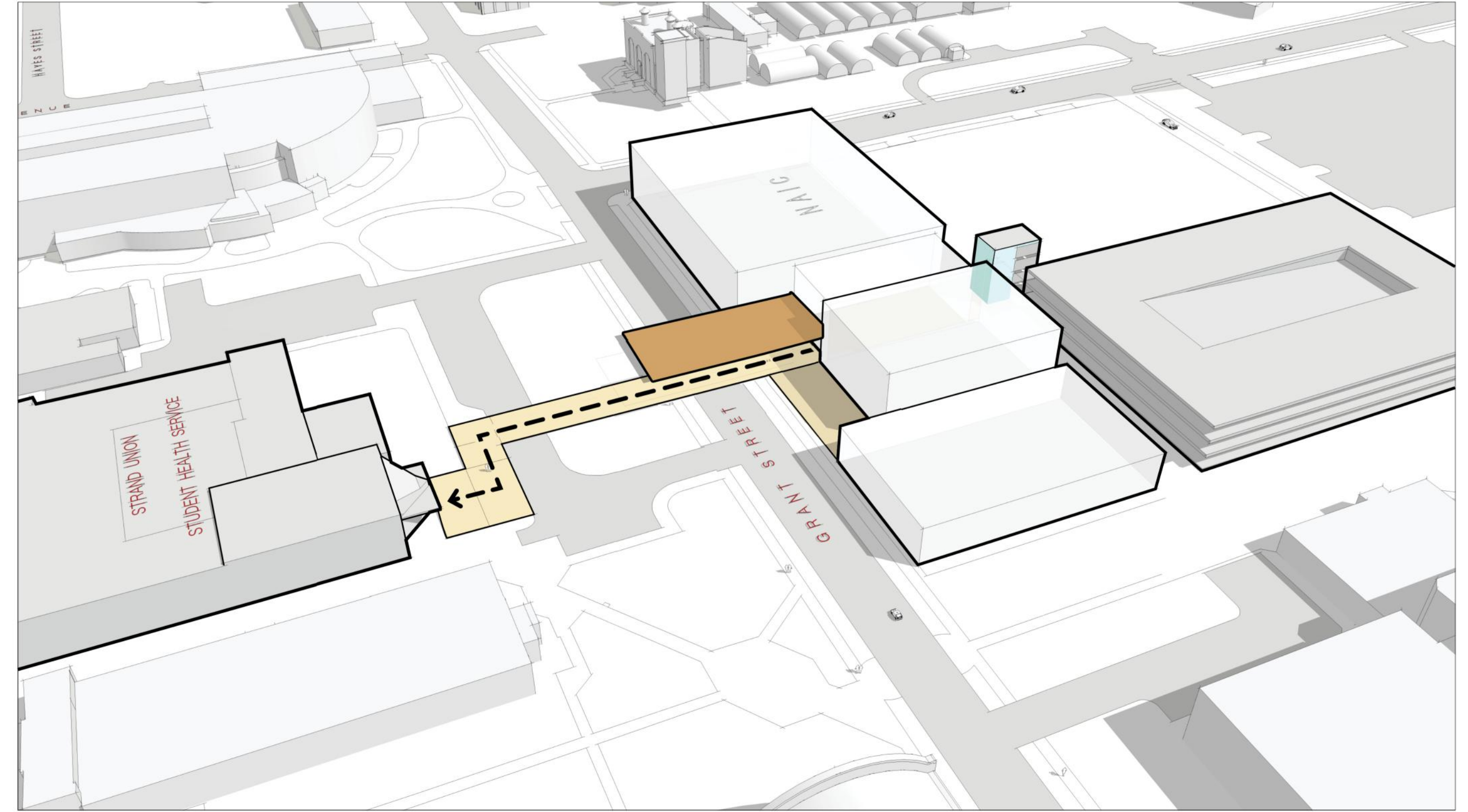
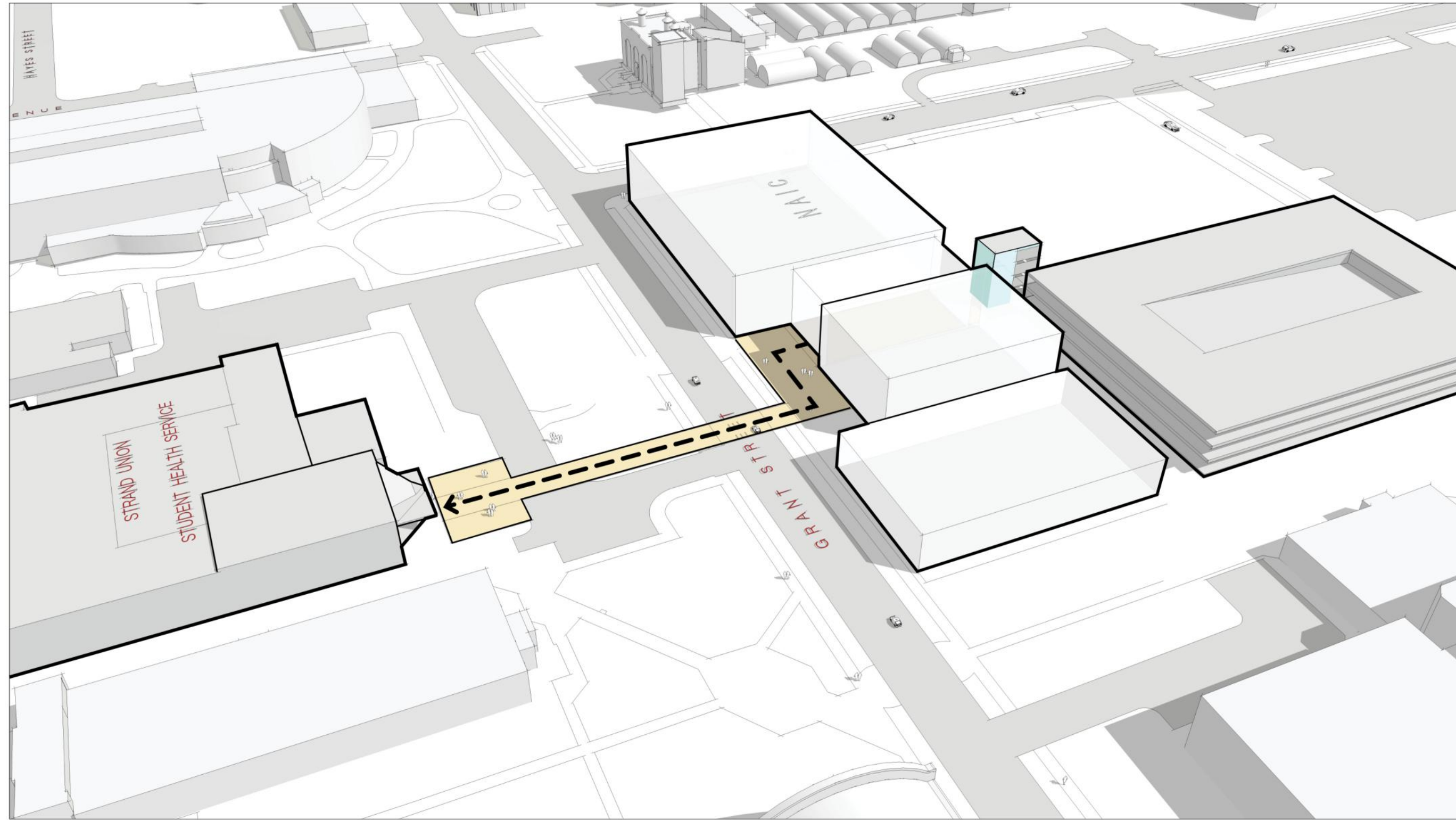
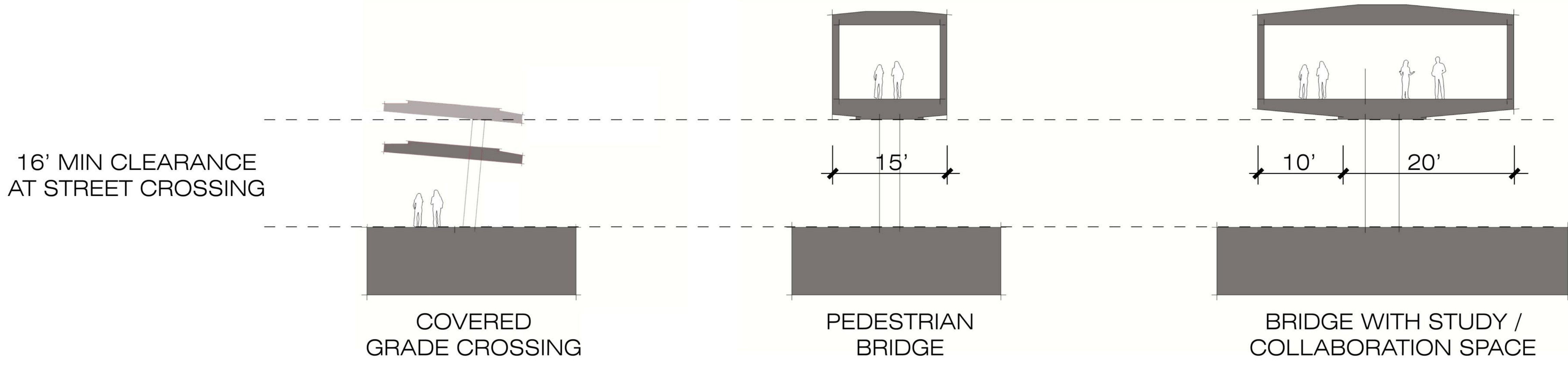
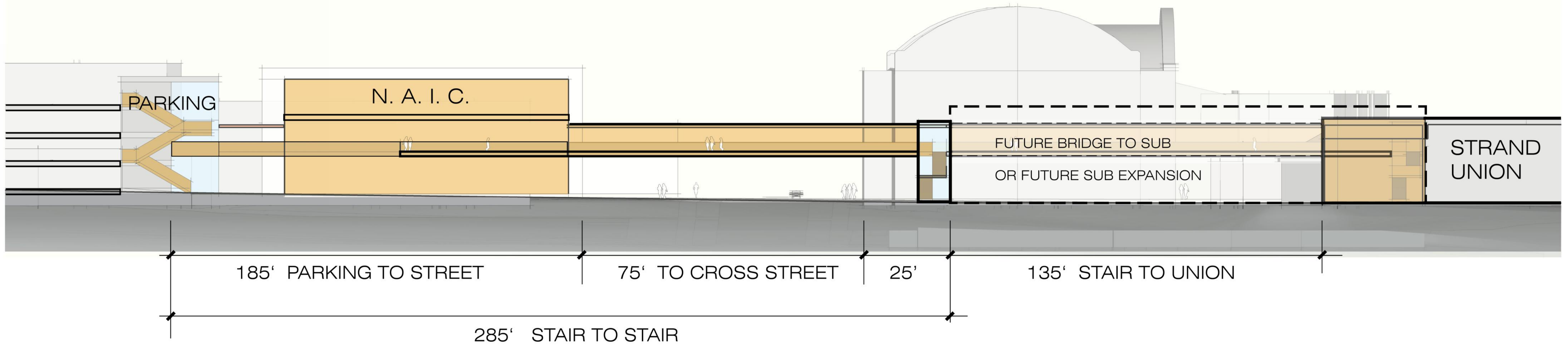


INNOVATION COMMONS

# GRAPHIC PROGRAM



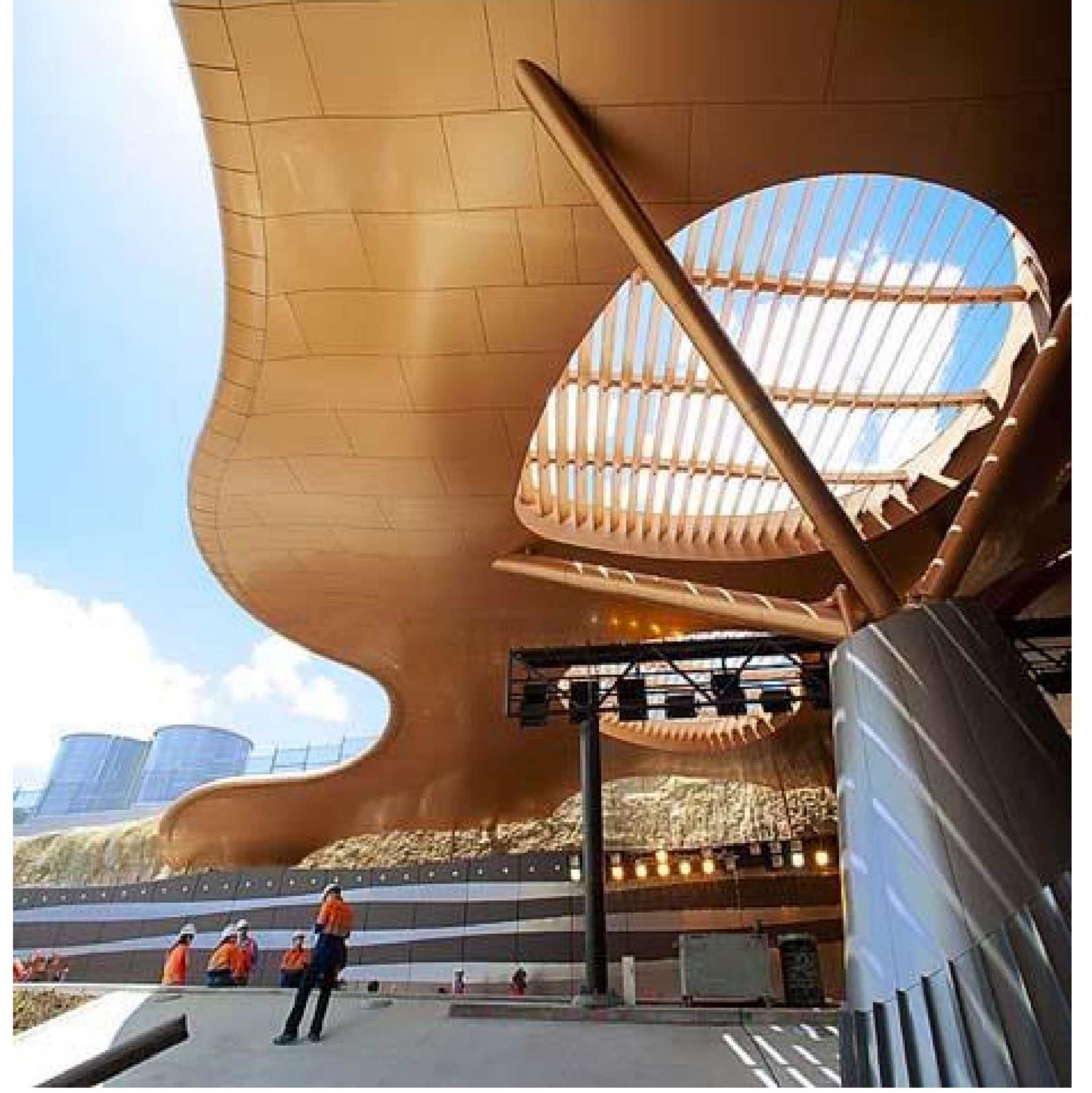
# NAIC BRIDGE STUDY



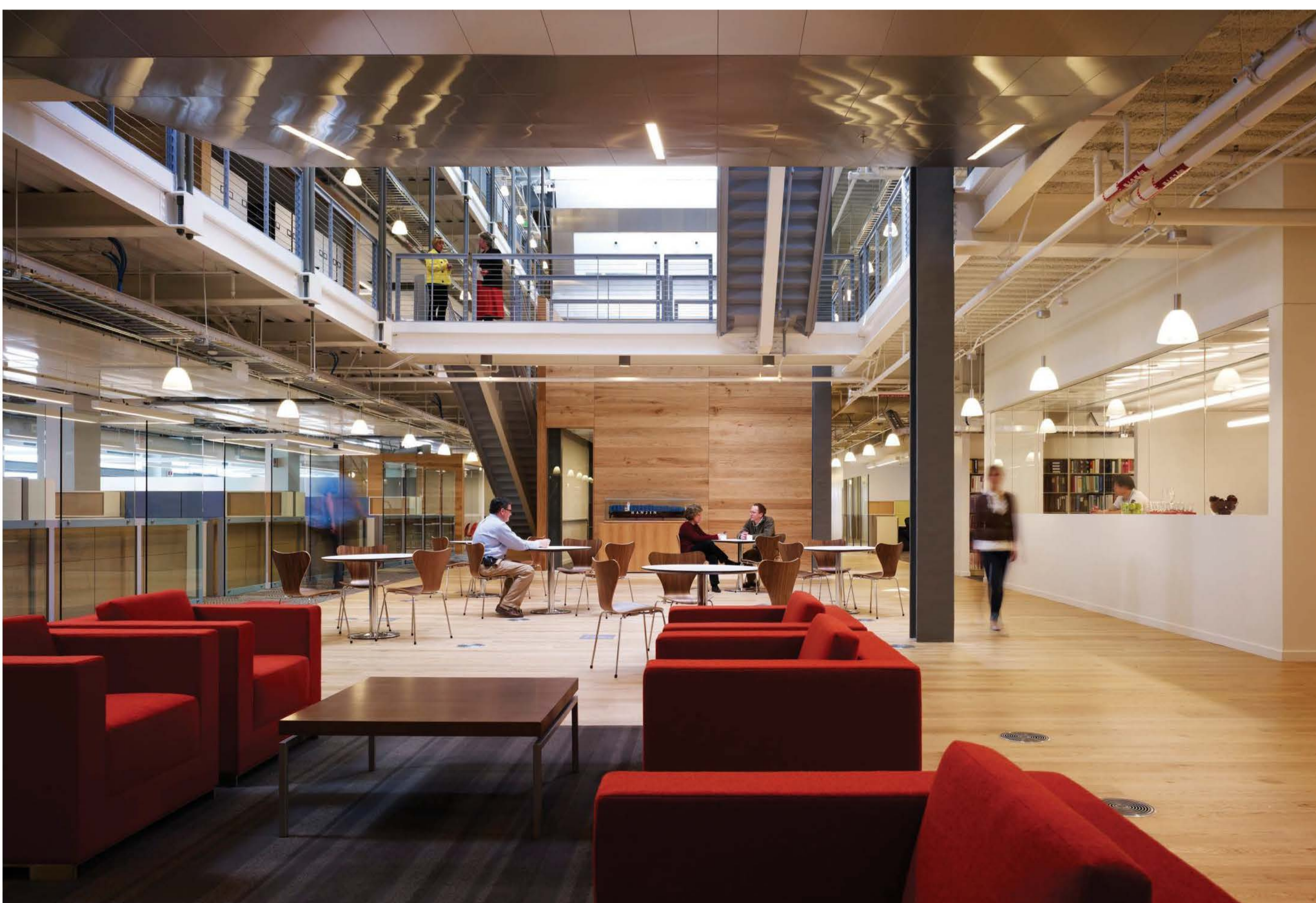
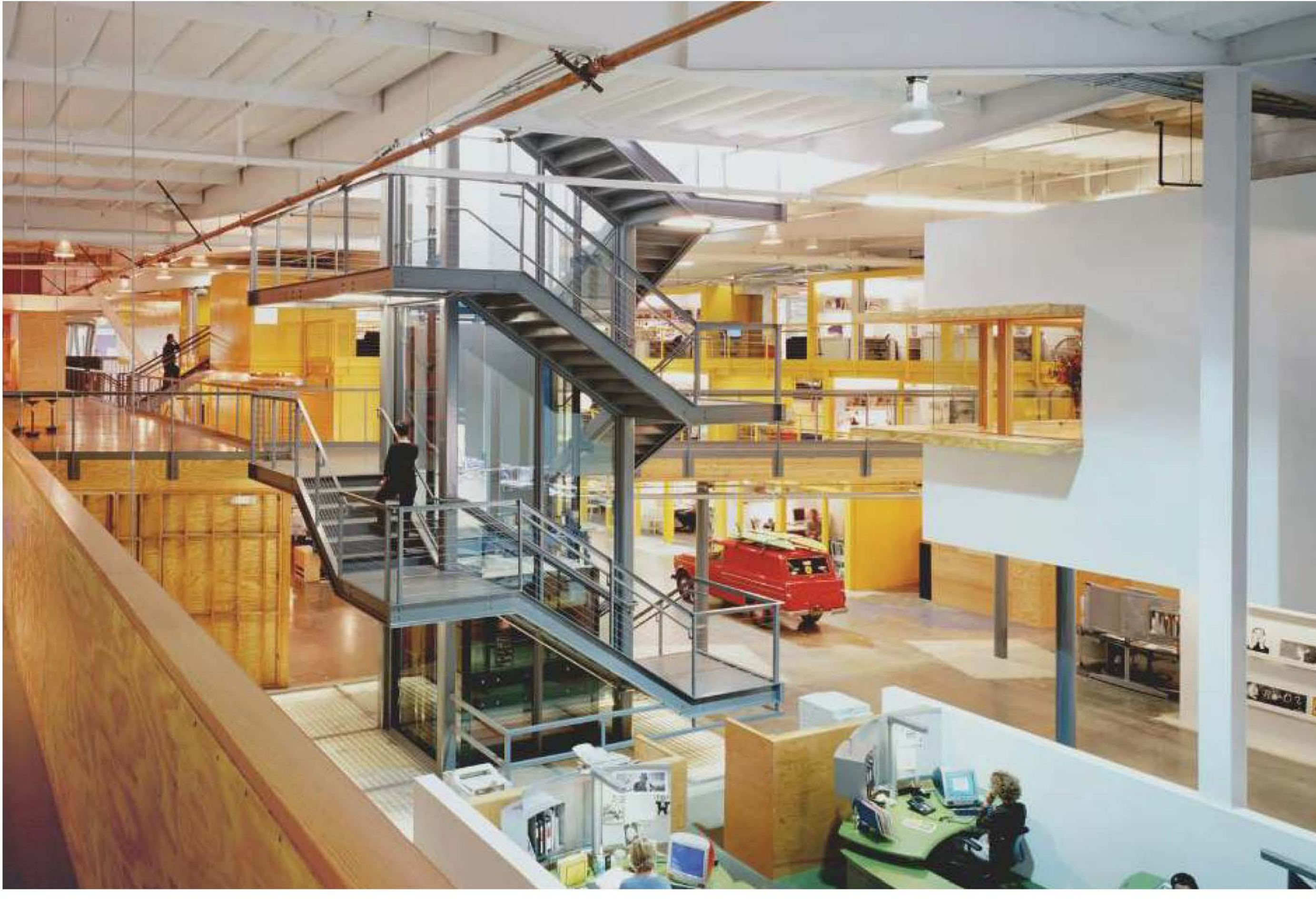
# BRIDGE PRECEDENTS



# CANOPY PRECEDENTS



# COMMONS AND WORK SPACES





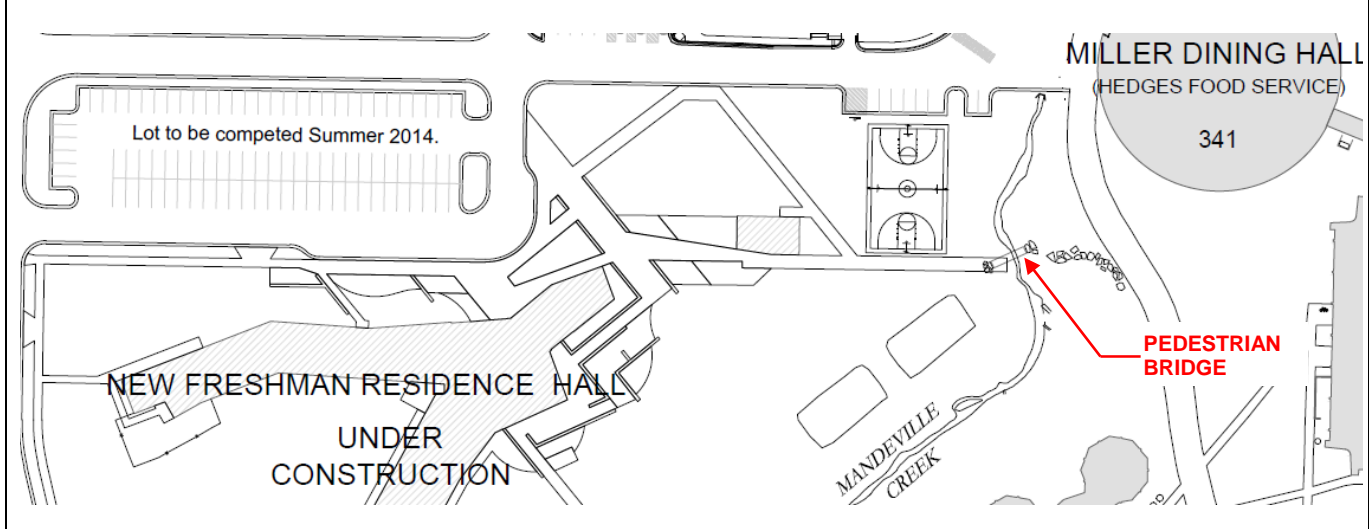
<b>ITEM # 4</b>	<b>Freshman Residence Complex Pedestrian Bridge</b>
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**PRESENTERS:**

Darryl Curfman, Project Manager

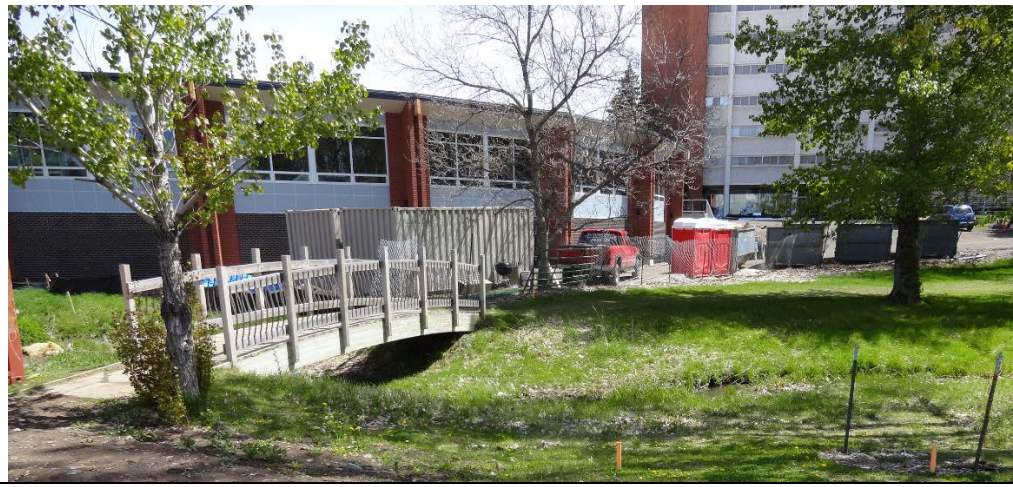
<b>PROJECT PHASE:</b>	PLANNING	SCHEMATIC	DESIGN DOCUMENTS	<b>X</b>	CONSTRUCTION DOCUMENTS
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**VICINITY MAP:**



**STAFF COMMENTS:**

As part of the Freshman Residence Complex project, the pedestrian bridge across Mandeville Creek, west of Miller Dining Hall, will be replaced. The bridge is 10 feet wide and 18 feet long and is ADA accessible. It is built out of steel and the surface is brushed concrete. Attached are plans and details of the new proposed bridge.





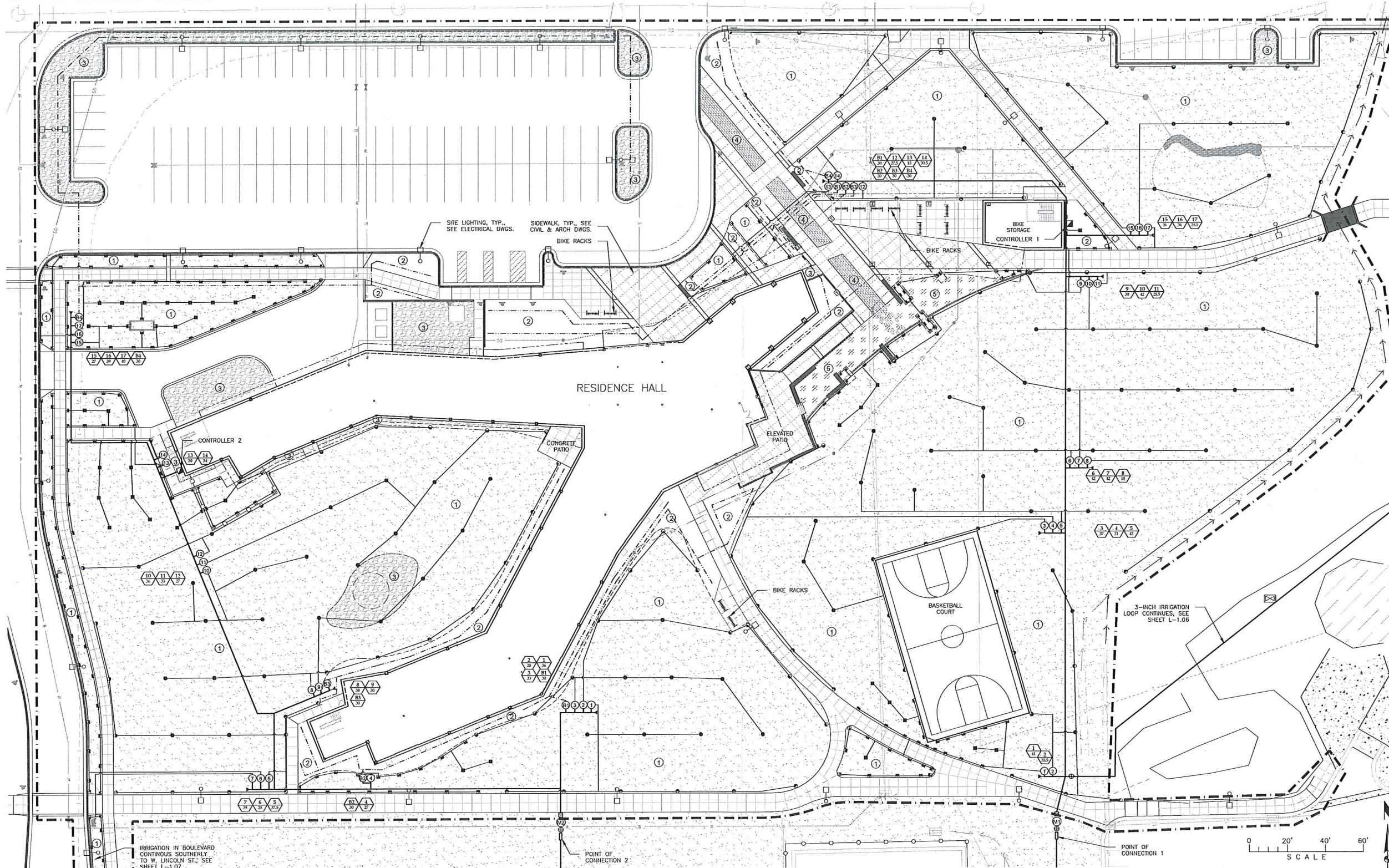
There is a Similar bridge located near Animal Bioscience Building:



<b>COMPLIANCE:</b>	<b>YES</b>	<b>NO</b>
<b>MSU POLICIES</b>	<b>X</b>	
<b>COMMITTEE OR APPROPRIATE REVIEW</b>	<b>X</b>	
<b>MASTER PLAN</b>	<b>NA</b>	
<b>BOARD ACTION REQUIRED:</b>		
<b>Recommend approval of the request as proposed.</b>		

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IRRIGATION PIPE LAYOUT PLAN



LEGEND

- ① SOO
  - ② PLANTING AREA (BARK MULCH)
  - ③ RIVER ROCK MULCH
  - ④ PAVER, SPECIALTY - SEE 7/L-2.07
  - ⑤ STABILIZED GRAVEL - SEE 8/L-2.01
  - LIMIT OF CONSTRUCTION
  - SITE WALL - SEE ARCH. DWGS.
  - STEEL EDGING - SEE 5/L-2.07
  - CONCRETE HEADER - SEE 9/L-2.07
  - FENCE - SEE ARCH. DWGS.
  - BOULDER - SEE 6/L-2.07
  - BIKE RACK
  - SITE LIGHTING - SEE ELECTRICAL DWGS.
- NOTE: SEE CIVIL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL LEGEND ITEMS

IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	SIZE	MFG.	MODEL #
☐	POP-UP SPRAY HEAD	4-INCH; 12-INCH	RAINBIRD	1804-SAM-MPR TURF AREAS, 1812-SAM-MPR SHRUB BEDS, (SEE PLAN FOR NOZZLE SPEC.), OR APPROVED EQUAL.
●	ROTOR SPRAY HEAD	4-INCH	HUNTER	1-20-04-R, OR APPROVED EQUAL.
---	BUBBLER SPRAY HEAD	---	RAINBIRD	1402, OR APPROVED EQUAL.
(X)	ELECTRIC CONTROL VALVE	---	RAINBIRD	150-PESB-HP, OR APPROVED EQUAL.
(MX)	MASTER VALVE	PER PLANS	RAINBIRD	200 OR 300-PESB-PRS-D, OR APPROVED EQUAL.
(M)	METER	PER PLANS	RAINBIRD	ITS-300 AND 200-B-BSP BRASS INSERT SENSORS, OR APPROVED EQUAL.

IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	SIZE	MFG.	MODEL #
☐	CONTROLLER & PEDESTAL	24 STATION (2)	RAINBIRD	ESP-24SAT-LS; PER SPECIFICATIONS
⊕	MANUAL ISOLATION VALVE	2-INCH	NIBCO	TI-8; OR APPROVED EQUAL.
⊕	QUICK COUPLER VALVE	3/4-INCH	RAINBIRD	33-DNP
---	MANLINE	PER PLANS	---	SCH 40 PVC
---	LATERAL LINE	PER PLANS	---	SCH 40 PVC
---	BUBBLER LINE	PER PLANS	---	100 PSI PE PIPE
---	IRRIGATION SLEEVES	6-INCH, UNLESS OTHERWISE NOTED	---	SCH 40 PVC

NOTE: SEE IRRIGATION SPECIFICATIONS FOR IRRIGATION STANDARDS.

- ☐ POINT OF CONNECTION
- ① SPRINKLER/ROTOR ZONE STATION NUMBER GALLONS PER MINUTE (GPM)
- 12H—NOZZLE NUMBER
- ① 14 DETAIL NUMBER SHEET NUMBER

**SMA ARCHITECTS**  
**TD&H Engineering**  
**MONTANA STATE UNIVERSITY**  
**NAC ARCHITECTURE**

CONSTRUCTION DOCUMENTS  
**MSU Residence Hall**

FACILITIES PLANNING,  
 DESIGN & CONSTRUCTION  
 MONTANA STATE UNIVERSITY  
 BOZEMAN, MONTANA  
 PHONE: 406.994.4131 FAX: 406.994.6572

DRAWN BY: JCC  
 REVIEWED BY: ---  
 REV. DESCRIPTION DATE



PPA# 13-0087  
 TD&H# B13-097  
**SHEET TITLE**  
 IRRIGATION PIPE LAYOUT PLAN  
**SHEET**  
**L-1.08**  
**DATE**  
 1-07-2015

<b>ITEM # 5</b>	<b>LEED for Campus</b>
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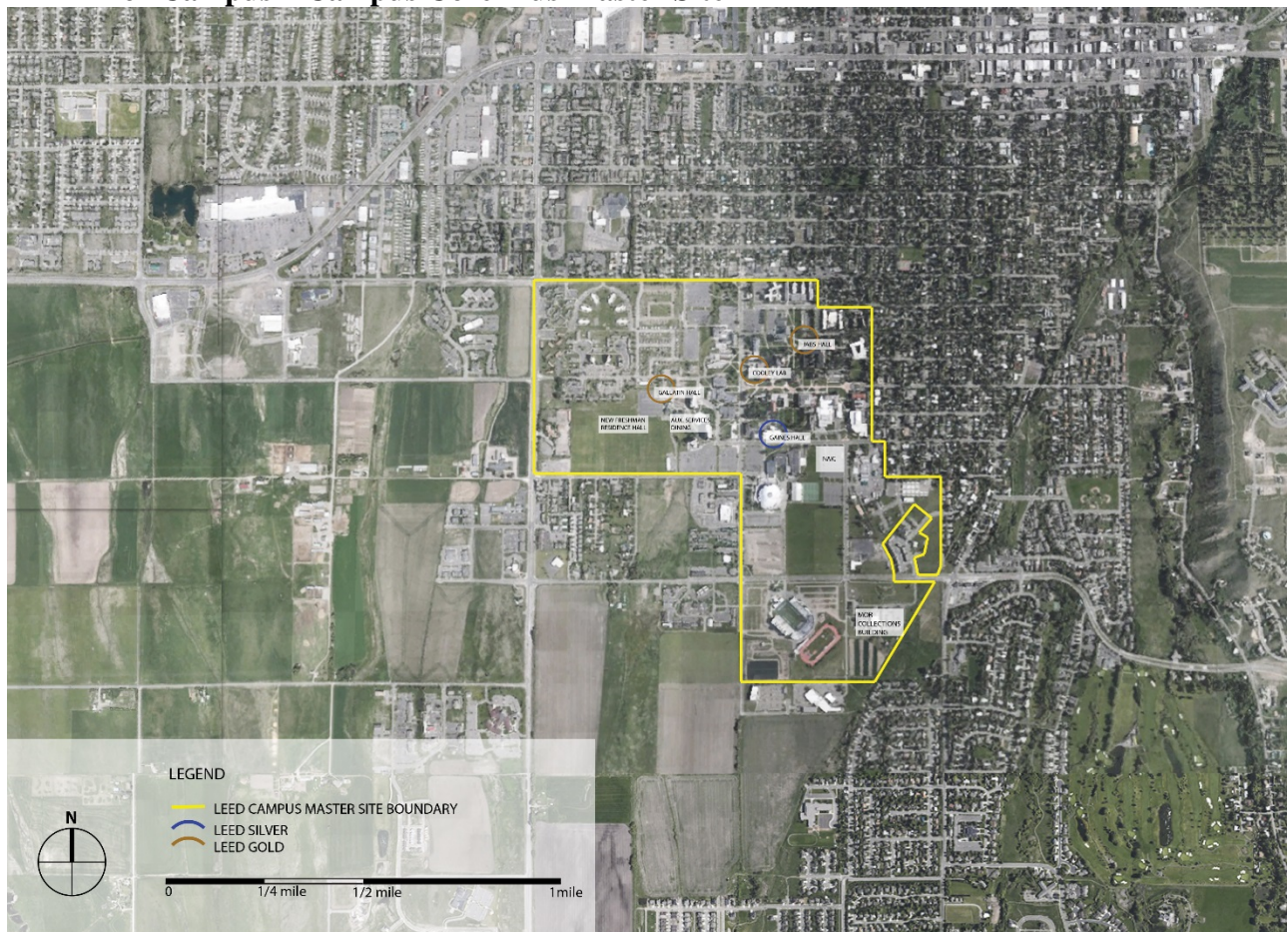
**PRESENTERS:**

Victoria Drummond, CPDC  
Kath Williams, Consultant

<b>PROJECT PHASE:</b>	<b>PLANNING</b>	<b>SCHEMATIC</b>	<b>DESIGN DOCUMENTS</b>	<b>X</b>	<b>CONSTRUCTION DOCUMENTS</b>
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**VICINITY MAP:**

**LEED for Campus – Campus Core Plus Master Site**



**STAFF COMMENTS:**

Founded in 1993, the US Green Building Council developed the LEED (Leadership in Energy and Environmental Design) building credentialing program. It is a third-party evaluation of sustainable development based on the principles of reducing landfilled demolition materials, reduction in energy requirements, the reuse of material and new market recycled materials, site

development and building orientation for reduced water and energy use as well and improve the environment conditions for the occupants.

The LEED certification program is administered by GBCI- Green Building Certification Institute with evaluation versions that rank a project's total credits associated with the sustainable achievements.

For several years, Montana State University has committed energy and resources to sustainable development processes. In Dec 1, 2013 the State of Montana adopted the Architectural and Engineering Division's High Performance Building Standards. Several staff in MSU Campus Planning, Design & Construction have LEED accreditation credentials, and campus construction (new and renovation) projects registered projects for LEED certification.

Current MSU LEED Certified Buildings include:

- Gaines Hall—LEED 2.2 Silver
- Cooley Lab Remodel—LEED 2.2 Gold
- Jabs Hall—LEED v3 (2009) Gold
- Gallatin Hall—LEEDv3 (2009) Gold

Currently pending LEED-Registered projects:

- New Freshmen Residence Hall (LEED Project 1000057351)
- MSU Auxiliaries Food Service Upgrades (LEED Project 1000055607)
- Norm Asbjornson Innovation Center (LEED Project 1000054942)

Recently the GBCI established a process for campuses (medical and corporate compounds and university/college campuses), LEED for Campus – so that they may identify the prerequisite and fundamental credits that all projects within the designated boundary. It becomes a head start in data collection for the individual project certification application and benefits the campus by reducing the costs for participating in LEED by not requiring every project to begin from scratch for all credits.

As an organizational tool, LEED for Campus allows for Master Sites to be created throughout the campus. GBCI does not certify the Campus, however prerequisites and credits for projects with the Master Site are eligible for "pre-approval". This project has identified the first MSU Master Site and labeled it as "MSU Campus Core Plus". As entitled, it includes the core of central campus plus anticipated growth areas that are adjacent to the core.

The border of the Master Site is College Avenue (north), 19<sup>th</sup> Avenue (west), Kagy (south with inclusion of Museum of Rockies), and portions of 7<sup>th</sup>, 6<sup>th</sup>, Grand, and S 3<sup>rd</sup> Avenues (east), which traces the actual MSU boundary. It is anticipated the new Collections/Storage Building at Museum of Rockies will be the next LEED-Registered project.

The goals of the LEED for Campus program are to:

- Encourage a holistic, sustainable approach to project management
- Address the unique challenges and opportunities inherent in campus projects
- Project teams can document a credit once for the entire master site
- Capture economies of scale in the certification process through shared credits

The process helps to simplify the certification process for multiple building and campus projects, while maintaining the technical integrity and rigor of the LEED rating systems.

In October 2014, CPDC initiated the LEED for Campus process by selecting the consulting firm of Kath Williams + Associates (PPA# 14-0138).

A LEED for Campus team was assembled by MSU Facilities Services and a LEED Fellow was engaged as the consultant. Two student interns from the Architecture and Engineering joined the team in early 2015. The entire team's task was to research the appropriateness and define MSU opportunities and challenges using LEED for Campus, identify Master Site(s), and develop appropriate prerequisite and credit documentation.

**MSU's LEED for Campus Team:**

- Walt Banziger, LEED-AP,  
Director, MSU Facilities Services, Campus Planning, Design & Construction
- Victoria Drummond, LEED-AP – LEED for Campus Project Manager  
Associate University Planner, MSU Facilities Services, Planning Staff
- Candace Mastel, LEED-AP  
Assistant Planner, MSU Facilities Services, Planning Staff
- Randy Stephens  
University Architect
- Daniel Stevenson, P.E.  
Assistant Director, MSU Facilities Services
- Edward (EJ) Hook  
Environmental Services Manager, MSU Facilities Services
- Christian Black  
Mapping Tech, Campus Planning, Design & Construction
- Matt Hume  
Research Data Analyst, Campus Planning, Design & Construction
- Kristin Blacker  
Sustainability Director, Associated Students of Montana State University
- Lauren Sherman-Boemker  
Admin Associate II, MSU Facilities Services

**Consultants:**

- Kath Williams, LEED Fellow  
President, Kath Williams + Associates
- Lesly Mroczkowski, LEED-BD+C
- Intern: Allison Ross, MSU Senior
- Intern: Stephanie Irwin, MSU Senior

See attached pdf spreadsheet of credits reviewed and accompanying documents submitted as the MSU-Bozeman LEED for Campus submittal to GBCI of appropriate prerequisites and credits on the Campus Core Plus Master Site. Certification of the Master Site is anticipated by end of 2015.

<b>COMPLIANCE:</b>	<b>YES</b>	<b>NO</b>
<b>MSU POLICIES</b>	<b>X</b>	
<b>COMMITTEE OR APPROPRIATE REVIEW</b>	<b>X</b>	
<b>MASTER PLAN</b>	<b>X</b>	

**BOARD ACTION REQUIRED:**

**Recommend Approval of the LEED for Campus Submittal by Kath Williams +Associates to GBCI.**

MSU Campus Approach	Updated June 15, 2015	LEED BD+C v2009 (version 3) Prerequisites and Credits			Prepared by Kath Williams + Associates, Bozeman, Montana
Completed					
Project Specific	Red type = information still needed				
Sustainable Sites (26 Points)		Point	Responsible Party	Documents needed	Comments
<b>Prereq 1</b>	<b>Construction Activity Pollution Prevention - C</b>	Required		Project Specific	
<b>Credit 1</b>	<b>Site Selection - D</b>	<b>1</b>			
	Avoid development of inappropriate sites and reduce the environmental impact from the location of a building on a site. Do not develop buildings, hardscape, roads or parking areas on portions of sites that meet any one of the following criteria: prime farmland, land in a flood plane or within 50 feet of water, land within 100 feet of wetlands, or land that was public park land.			Completed	
<b>Credit 2</b>	<b>Development Density &amp; Community Connectivity D</b>	<b>5</b>		Option 1 Only--60,000 sq ft--campus core does not comply	<b>Submitting via alternative compliance path.</b>
	Channel development to urban areas with existing infrastructure, protect Greenfields and preserve habitat and natural resources. Project must be on a previously developed site. <b>Project must be in a community with a minimum density of 60,000 square feet per acre net.</b>		KW+A Interns	Completed - Identified 10 services and useable document for each project.	
<b>Credit 3</b>	<b>Brownfield Redevelopment - D</b>	<b>1</b>		Not Attainable	
<b>Credit 4.1</b>	<b>Alternative Transportation, Public Transportation Access - D</b>	<b>6</b>		Completed	
<b>Credit 4.2</b>	<b>Alternative Transportation, Bicycle Storage &amp; Changing Rooms - D</b>	<b>2</b>			
	For commercial buildings with a total gross square footage of less than 300,000 sq. feet, provide secure bicycle racks and/or storage (within 200 yards of a building entrance) for 5% or more of all building users (calculated on average for the year), AND, provide shower and changing facilities in the building, or within 200 yards of a building entrance, for 0.5% of Full-Time Equivalent (FTE) occupants.		Candace, EJ, Matt and Christian	Provide a site plan identifying the location of <u>bicycle storage and the shower/changing facilities</u> > Total FTE in LEED Master Site Area--2,321 (FT) and 1420 (PT) includes grad assistants. > Total Residents in LEED Master Site area > Total Transients per day--15,421(students) >Peak visitors--19,977 (Big game day) > Total number of secure bike racks or storage areas AND description of each > <b>Total number of showers/changing rooms AND distance from each building</b>	Partially provided information to date in black 1,420 PT x 2 hrs/week = 2,840 / 40 hours = 71 FTE 2,321 FT + 71 PT FTE = 2,392 2,392 x .005 = 12 showers needed for FTE 2,392 FTE + 19,997 peak visitors = 22,369 x .05 = 1,119 bike racks needed for all users Family & Grad Housing 1,205 Residence Halls 3,213 Total Residents 4,418 Bike Racks Needed for Residents = 663 Total Bike Racks Needed 1,782
<b>Credit 4.3</b>	<b>Alternative Transportation, Low-Emitting and Fuel-Efficient Vehicles - D</b>	<b>3</b>			
	Reduce pollution and land development impacts from automobile use.		Parking Team	Provide a <u>discounted parking rate</u> for low-emitting/fuel-efficient vehicles. Parking rate must be discounted at least 20% and available to all customers, publicly posted at the entrance of the parking area(s) and available for a minimum of 2 years.	Not approved by MSU Parking Services
<b>Credit 4.4</b>	<b>Alternative Transportation, Parking Capacity - D</b>	<b>2</b>			
	Option 2 Project that provide parking for less than 5% of FTE, provide preferred parking for carpools or vanpools for 5% OR provide a discounted parking rate.		Parking Team	Option 3 - Provide No New Parking; MSU Parking Services approved sharing of parking passes among carpools.	NOTE: NAIC will not qualify due to garage, but all other projects will. NAIC will "unattempt" this credit at submission.
<b>Credit 5.1</b>	<b>Site Development - Protect or Restore Habitat</b>	<b>1</b>			
	Case 2 Previously Developed Areas or Graded Sites - Restore or protect a minimum of 50% of the site (excluding the building footprint) or 20% of the total site area (including building footprint), whichever is greater.			Project Specific	
<b>Credit 5.2</b>	<b>Site Development - Maximize Open Space D</b>	<b>1</b>			

	Case 3 Sites with Zoning Ordinances but No Open Space Requirements - Provide vegetated open space equal to 20% of the project's site area.		Candace, EJ, and Christian	<p>Case 3 Need Walt Banziger to sign template attesting that all open space that is counted toward this credit will be preserved for the life of the building(s).</p> <p>&gt; Vegetated open space (s.f.) within the LEED Master Site boundary</p> <p>&gt; Provide a site plan showing all open space areas contributing to credit achievement.</p>	In progress
<b>Credit 6.1</b>	<b>Stormwater Design - Quantity Control - D</b>	<b>1</b>			
	<p>Case 1 - Sites with Existing Imperviousness 50% or Less</p> <p>&gt; Option 1 Implement a <b>stormwater management plan</b> that prevents the post development peak discharge rate and quantity from exceeding the predevelopment peak discharge rate and quantity for the 1 and 2 year 24-hour design storms</p> <p>&gt; Option 2 Implement a stormwater management plan that protects receiving stream channels from excessive erosion - must include a stream channel protection and quantity control strategies.</p>		300-page spreadsheet provided	<p>Case 1 Complete online LEED form</p> <p>&gt; Calculations for the entire LEED Master Site boundary</p> <p>&gt; Calculate the one and two-year predevelopment and post development discharge rate and quantity for the area (24 hour design storm)</p>	In progress
<b>Credit 6.2</b>	<b>Stormwater Design - Quality Control - D</b>	<b>1</b>			
	Limit disruption of natural hydrology by reducing impervious cover, increasing on-site infiltration, and managing stormwater runoff. Implement a stormwater management plan that reduces impervious cover, promotes infiltration, and captures and treats the stormwater runoff from 90% of the average annual rainfall using acceptable best management practices (BMPs). BMPs used to treat runoff must be capable of removing 80% of the average annual post development total suspended solids (TSS) load based on existing monitoring reports.			Project Specific	
<b>Credit 7.1</b>	<b>Heat Island Effect - Non-Roof - C</b>	<b>1</b>			
	Reduce heat islands (thermal gradient differences between developed and undeveloped areas) to minimize impact on microclimate and human and wildlife habitat. Provide any combination of the following strategies for 50% of the site hardscape (including roads, sidewalks, courtyards and parking lots): • Shade (within 5 years of occupancy) • Paving materials with a Solar Reflectance Index (SRI)2 of at least 29 • Open grid pavement system. Place a minimum of 50% of parking spaces under cover (defined as under ground, under deck, under roof, or under a building). Any roof used to shade or cover parking must have an SRI of at least 29.		Candace, EJ, and Christian	<p>Complete online LEED template</p> <p>ALL areas within the LEED Master Site boundary must be included</p> <p>&gt; Area covered by materials with an SRI of at least 29 (sf)</p> <p>&gt; Area shaded by current/future tree canopy within 5 years of installation (sf)</p> <p>&gt; Area shaded by structures covered with energy-producing solar panels (sf)</p> <p>&gt; Area covered by open-grid pavement system (sf) (Must be at least 50% pervious)</p> <p>&gt; <u>Total area of all nonroof hardscape surfaces on project site (sf)</u></p> <p>&gt; List of all hardscape surfaces or architectural shading devices where materials with high reflectance are used to reduce heat absorption. SRI values can be entered manually (if known), or calculated based on material reflectance and emissivity.</p>	In progress
<b>Credit 7.2</b>	<b>Heat Island Effect - Roof - D</b>	<b>1</b>		Project specific	
<b>Credit 8</b>	<b>Light Pollution Reduction - D</b>	<b>1</b>			
	Minimize light trespass from the building and site, reduce sky-glow to increase night sky access, improve nighttime visibility through glare reduction, and reduce development impact on nocturnal environments. FOR INTERIOR LIGHTING: All non-emergency interior lighting, with a direct line of sight to any openings in the envelope (translucent or transparent), shall have its input power reduced (by automatic device) by at least 50% between the hours of 11 PM and 5 AM. After hours override may be provided by a manual or occupant sensing device provided that the override last no more than 30 minutes. (Automated blinds can provide shielding in lieu of this.) FOR EXTERIOR LIGHTING: Only light areas as required for safety and comfort. Do not exceed 80% of the lighting power densities for exterior areas and 50% for building facades and landscape features as defined in ASHRAE/IESNA Standard 90.1-2004, Exterior Lighting Section, without amendments. All projects must also meet light egress requirements of applicable zone as defined in procedure.		MSU Integrated Design Lab (in transition)	<p>Exterior: The exterior lighting credit requirements apply to the area within the LEED Master Site boundary</p> <p>&gt; Acquire manufacturer's data for lamps used on the project site</p> <p>&gt; Description of the light trespass analysis procedure conducted to determine credit compliance</p> <p>&gt; Develop a <u>photometric site plan</u> that includes footcandle summary tables for light ratio</p> <p>&gt; For sports field lighting, develop a photometric site plan showing adherence to allowable light level limits, prepare drawings showing automatic controls for sports field lighting, and incorporate the sequence of operation for sports field lighting into drawings and specifications or the building operation plan.</p>	Under discussion to be included in City of Bozeman Street Light project; Dan Stevenson to provide manufacturer data for replacement lights on exterior of EPS on 7th Avenue.



			Completed	Interior: Eligible as a campus credit only when using the Licensed Professional Exemption streamlined path for the interior lighting requirements for all buildings within the LEED campus boundary	
<b>Water Efficiency (10 Points Possible)</b>					
<b>Prereq 1</b>	<b>Water Use Reduction 20% Reduction - D</b>	<b>Required</b>		Project specific	
<b>Credit 1</b>	<b>Water Efficient Landscaping - D</b>	<b>2-4</b>			
	Option 1 Reduce by 50% (2 points) Option 2 No potable Water Use or Irrigation (4 points)		Completed	Complete online LEED form > Provide a site plan showing all landscaped areas within the Master Site boundary > Calculate Irrigation Baseline Case > Calculate Irrigation Design Case	Kath to submit Option 2 No Potable Water Use Candace may need to calculate 50% reduction if requested by reviewers
<b>Credit 2</b>	<b>Innovative Wastewater Technologies - D</b>	<b>2</b>		Project specific	
<b>Credit 3</b>	<b>Water Use Reduction - D</b>	<b>2-4</b>		Project specific	
<b>Energy and Atmosphere (35 Points Possible)</b>					
<b>Prereq 1</b>	<b>Fundamental Commissioning of Building Energy Systems C</b>	<b>Required</b>		Project specific	
<b>Prereq 2</b>	<b>Minimum Energy Performance - D</b>	<b>Required</b>		Project Specific	
				Not attempting as Campus but support for projects attached to central plant could use base model	Considered completing energy model on central plant. Not an option at this time.
<b>Prereq 3</b>	<b>Fundamental Refrigerant Management - D</b>	<b>Required</b>			
	To reduce stratospheric ozone depletion Zero use of CFC based refrigerants			Document that all refrigerants in each <u>HVAC&amp;R</u> system serving the project buildings within the LEED Master Site boundary <u>contain no CFCs</u> .	No CFCs on campus
<b>Credit 1</b>	<b>Optimize Energy Performance - D</b>	<b>1-19</b>		Project Specific	
<b>Credit 2</b>	<b>On-Site Renewable Energy - D</b>	<b>1-7</b>			
	Use on-site renewable energy systems to offset building energy cost. Calculate project performance by expressing the energy produced by the renewable systems as a percentage of the building annual energy cost. 1% - 1 point, 3% - 2 points, 5% - 3 points, 7% - 4 points, 9% - 5 points, 11% - 6 points, 13% - 7 points		Facilities--Dan Stevenson, Patti Yasbek	Complete online LEED form In the case where the renewable energy equipment is not physically located on the applicant building(s), provide data for each LEED project building showing the projected energy consumption and the percentage to be met with that building's prorated or dedicated share of renewable energy. The owner should also submit a <u>certification letter acknowledging that the renewable energy from a central system will apply only to the submitted LEED project(s) and will not be applied to subsequent buildings for any future LEED certifications</u> .	To be reviewed by MSU
<b>Credit 3</b>	<b>Enhanced Commissioning - C</b>	<b>2</b>		Project specific	
<b>Credit 4</b>	<b>Enhanced Refrigerant Management - D</b>	<b>2</b>	Facilities	Completed	List prepared by Dan Archer
<b>Credit 5</b>	<b>Measurement and Verification - C</b>	<b>1-3</b>		Project specific	
<b>Credit 6</b>	<b>Green Power - C</b>	<b>2</b>	Facilities	Consider buying a percentage purchase for entire campus.	Under consideration
<b>Materials and Resources (14 Points Possible)</b>					
<b>Prereq 1</b>	<b>Storage and Collection of Recyclables - D</b>	<b>Required</b>			
	Provide easily accessible dedicated area for the collection and storage of materials for recycling for the entire building - Paper, corrugated cardboard, glass, plastics and metals.		Info provided; KW+A to enter data	Describe the dedicated recycling storage areas in the project building. Include the size of the area, accessibility, and expected frequency of collection. Demonstrate that recycling storage areas are appropriately sized and located. > Provide floor plans and site plans showing location of recycling areas > Provide campus-wide recycling/waste plan, including total amount (lbs. or tons) of waste and total amount (lbs. or tons) recycled	
<b>Credit 1.1</b>	<b>Building Reuse - Maintain Existing Walls, Floors and Roof - C</b>	<b>1-3</b>		Project specific	
<b>Credit 1.2</b>	<b>Building Reuse -Maintain 50% of Interior Non-Structural Elements - C</b>	<b>1</b>		Project specific	
<b>Credit 2</b>	<b>Construction Waste Management - C</b>	<b>1-2</b>		Project specific	
<b>Credit 3</b>	<b>Materials Reuse - C</b>	<b>1-2</b>		Project specific	
<b>Credit 4</b>	<b>Recycled Content - C</b>	<b>1-2</b>		Project specific	

Credit 5	Regional Materials - C	1-2		Project specific	
Credit 6	Rapidly Renewable Materials - C	1		Project specific	
Credit 7	Certified Wood - C	1		Project specific	
<b>Indoor Environmental Quality (15 Points Possible)</b>					
Prereq 1	Minimum Indoor Air Quality Performance - D	Required		Project specific	
Prereq 2	Environmental Tobacco Smoke (ETS) Control - D	Required		Completed	
Credit 1	Outdoor Air Delivery Monitoring: Air flow sensors in air handlers - D	1		Project specific	
Credit 2	Increased Ventilation - C	1		Project specific	
Credit 3.1	Construction Indoor Air Quality Management Plan - During Construction - C	1		Project specific	
Credit 3.2	Construction Indoor Air Quality Management Plan - Before Occupancy - C	1		Project specific	
Credit 4.1	Low-Emitting Materials - Adhesives & Sealants - C	1		Submitting MSU design guide	
Credit 4.2	Low-Emitting Materials - Paints & Coatings - C	1		Submitting MSU design guide	
Credit 4.3	Low-Emitting Materials - Flooring Systems - C	1		Submitting MSU design guide	
Credit 4.4	Low-Emitting Materials - Composite Wood & Agrifiber Products - C	1		Submitting MSU design guide	
Credit 5	Indoor Chemical and Pollutant Source Control - D	1		Project specific	
Credit 6.1	Controllability of Systems - Lighting - D	1		Project specific	
Credit 6.2	Controllability of Systems - Thermal Comfort - D	1		Project specific	
Credit 7.1	Thermal Comfort - Design - D	1		Project specific	
Credit 7.2	Thermal Comfort - Verification - D	1		Project specific	
Credit 8.1	Daylight & Views - Daylight - D	1		Project specific	
Credit 8.2	Daylight & Views - Views - D	1		Project specific	
<b>Innovation in Design (6 Points Possible)</b>					
Credit 1.1	Innovation in Design - Green Education	1	KW+A--in progress of gathering info	Document Green Education Program > Provide green education tour script > Provide site and floor plans showing green education tour stops > Add sustainability program to MSU website > CSAC can count; MSU Interns on LEED Campus count > Core curriculum to be added	Kristen Blackler assembling sustainable initiatives in place and initiatives being planned  Submitting Cooley, Jabs and Gallatin Halls LEED Green Education credits as examples
Credit 1.2	Innovation in Design - TBD	1		TBD	Project Specific
Credit 1.3	SSc5.2 Maximize Open Space - Exemplary Performance	1			
Credit 1.4	Exemplary Performance	1		Project Specific	
Credit 1.5	Exemplary Performance	1		Project Specific	
Credit 2	LEED Accredited Professional	1		Walt Banziger's LEED Accredited Professional Certificate uploaded	Note: Individual projects can enter additional LEED-AP from design teams
<b>Regional Priority Credits (4 Points Possible)</b>					
Credit 1.1	SSc2 - Development Density: Alternative Compliance	1		See SSc2 above	
Credit 1.2	SSc5.1 Site Development - Protect or Restore Habitat - Using Case 2	1		Not Compliant - lawn	
Credit 1.3	SSc5.2 Site Development - Maximize Open Space	1		See SSc5.2 above	
Credit 1.4	EA c1 - Optimize Energy Performance	1		Project specific	
Credit 1.5	WE c3 - Water Use Reduction	1		Project specific	
Credit 1.6	MR c5 - Regional Materials	1		Project specific	



**UNIVERSITY FACILITIES PLANNING BOARD**

June 16, 2015

<b>ITEM # 6</b>		<b>Student Building Fees Fund Proposal</b>				
<b>PRESENTERS:</b>						
Victoria Drummond, CPDC Bob Lashaway, University Services						
<b>PROJECT PHASE:</b>	<b>PLANNING</b>		<b>SCHEMATIC</b>		<b>DESIGN DOCUMENTS</b>	<b>X CONSTRUCTION DOCUMENTS</b>
<b>VICINITY MAP:</b>						
N/A						
<b>STAFF COMMENTS:</b>						
<p>In 2011 UFPB discussed the establishment and operational guidelines for a new funding mechanism as an agenda item at five UFPB meetings (7/5/11, 7/19/11, 8/30/11, 9/13/11, 9/27/11) – and on August 13, 2012, President Cruzado approved UFPB’s recommendation to establish the Academic Building R&amp;R Fund Procedures for use by UFPB in evaluating funding requests for academic building improvement projects.</p> <p>Since 2012, UFPB has approved 16 project fund requests providing budget assistance to projects ranging from new seating and flooring in EPS Classroom 103 to University Testing Center Expansion in Renne Library.</p> <p>This current proposal is to <b>incorporate a similar student fee fund - the Non-Residential Student Building Fee fund (approximately \$1.18M annually) with the Academic Building R&amp;R fund (also student fees of approximately \$320,000 annually) as the Student Building Fees Fund and adopt an updated set of Guidelines.</b> (*Note the Academic Building R&amp;R Fund Guidelines was scheduled for review in August 2015.)</p> <p>The new guidelines are as follows:</p> <p style="text-align: center;"><b>University Facilities Planning Board</b> <b><u>GUIDELINES FOR USE OF STUDENT BUILDING FEE FUNDS</u></b></p> <ol style="list-style-type: none"> <li>1. <u>General Background</u> <ol style="list-style-type: none"> <li>a. MSU students pay two student building fees which charge students for the use, maintenance and improvement of state funded buildings:           <ol style="list-style-type: none"> <li>i. The Academic Building R&amp;R Fee currently generates approximately \$320,000 annually.</li> <li>ii. The Non-Resident Student Building Fee currently generates approximately \$1.18M annually.</li> </ol> </li> <li>b. Changes/increases in these fees requires endorsement by the Associated Students of MSU (ASMSU) and approval of the Board of Regents.</li> <li>c. These student building fees represent pledged revenue, and are treated like other pledged building</li> </ol> </li> </ol>						

fees in that they are first committed to debt service (to amortize loans made to execute groups of qualifying projects) with any excess available for expenditure on individual projects.

- d. These student building fees are designated for improvements to academic buildings. “Academic Building” means state-funded facilities that house instructional and/or research uses for which operations and maintenance funding is generally provided by the state.
- e. These student building fees are generally not intended for use on buildings funded by auxiliary self-supporting revenues or other student fees (e.g., auxiliary facilities, sports facilities, non-state funded research facilities, parking facilities, etc.)
- f. Campus Planning Design & Construction (CPDC) is responsible for managing the student building fee funds.

## 2. Pertinent Board of Regents Policies

- a. BOR Policy 940.9.1 – Allows the president to authorize projects up to \$75,000, including projects that will use student building fee funding.
- b. BOR Policy 940.9.2 – Allows the Commissioner to authorize projects between \$75,000 and \$350,000, including projects that will use student building fee funding.
- c. BOR Policy 940.9.3 – requires student endorsement for projects that will use student building fee funding in excess of \$200,000. This requirement is met by an ASMSU Resolution endorsing the project. (This policy also requires reporting projects > \$200,000 to the Commissioner of Higher Education.)

## 3. Parameters for use of student building fees funds

Use of student building fee funds should focus on the following types of projects:

- a. Registrar-controlled instructional spaces, e.g., classrooms, classlabs, seminar rooms, etc.
- b. Public spaces and building systems that benefit students and general building users, e.g., restrooms, lobbies, corridors/egress/ADA, building HVAC/lighting, etc.
- c. Building maintenance/repairs, enhancements, replacement & renewal projects; or to augment the budgets of such projects funded primarily by other sources (e.g., departmental funds, major maintenance funds, Long Range Building Program funds, etc).
- d. May be used to augment department-funded projects for state-supported, departmental assigned classrooms, classlabs or seminar rooms.
- e. Generally *not* to be used for non-building (instructional/research) equipment/technology which is traditionally funded from other sources (e.g., computer fees, equipment fees, IT fees, research funds, etc.)
- f. Student building fee funds can be used to finance larger projects or groups of projects using the annual revenue stream to service the debt on funds borrowed to accomplish the work; or allow funds to accrue to execute individual projects periodically.

## 4. Submitting Projects to UFPB

- a. The University Facilities Planning Board (UFPB) is designated by the president as the MSU entity responsible to vet project proposals and make recommendations to the president regarding use of student building fee funds.
- b. CPDC will collaborate with key constituents to assess needs, develop project priorities and to periodically present projects to UFPB for recommendation to the president.
- c. CPDC will manage the project development process as described in the Project Development Process Outline for Student Building Fee Funds.
- d. CPDC is also responsible to present projects to ASMSU for student endorsement as necessary and to procure appropriate project authority.

## 5. Accountability

- a. CPDC shall prepare and submit a report to UFPB annually, detailing use of student building fee

funds, including the amount reserved for debt service and the current fund balance, status of projects approved by the president, and a working list of projects for which future funding might be appropriate.

A pdf of the Revised Process is attached.

<b>COMPLIANCE:</b>	<b>YES</b>	<b>NO</b>
<b>MSU POLICIES</b>	<b>X</b>	
<b>COMMITTEE OR APPROPRIATE REVIEW</b>	<b>X</b>	
<b>MASTER PLAN</b>	<b>X</b>	
<b>BOARD ACTION REQUIRED:</b>		
<b>Recommend approval to adopt the Student Fee Fund that consolidates the Academic Building R&amp;R Fund and the Non-resident Student Building Fee Fund; and the updated Guidelines and Process as proposed.</b>		

**University Facilities Planning Board**  
**GUIDELINES FOR USE OF STUDENT BUILDING FEE FUNDS**  
(Revised May2015)

1. General Background

- a. MSU students pay two student building fees which charge students for the use, maintenance and improvement of state funded buildings:
  - i. The Academic Building R&R Fee currently generates approximately \$320,000 annually.
  - ii. The Non-Resident Student Building Fee currently generates approximately \$1.18M annually.
- b. Changes/increases in these fees requires endorsement by the Associated Students of MSU (ASMSU) and approval of the Board of Regents.
- c. These student building fees represent pledged revenue, and are treated like other pledged building fees in that they are first committed to debt service (to amortize loans made to execute groups of qualifying projects) with any excess available for expenditure on individual projects.
- d. These student building fees are designated for improvements to academic buildings. "Academic Building" means state-funded facilities that house instructional and/or research uses for which operations and maintenance funding is generally provided by the state.
- e. These student building fees are generally not intended for use on buildings funded by auxiliary self-supporting revenues or other student fees (e.g., auxiliary facilities, sports facilities, non-state funded research facilities, parking facilities, etc.)
- f. Campus Planning Design & Construction (CPDC) is responsible for managing the student building fee funds.

2. Pertinent Board of Regents Policies

- a. BOR Policy 940.9.1 – Allows the president to authorize projects up to \$75,000, including projects that will use student building fee funding.
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- e. Generally *not* to be used for non-building (instructional/research) equipment/technology which is traditionally funded from other sources (e.g., computer fees, equipment fees, IT fees, research funds, etc.)
- f. Student building fee funds can be used to finance larger projects or groups of projects using the annual revenue stream to service the debt on funds borrowed to accomplish the work; or allow funds to accrue to execute individual projects periodically.

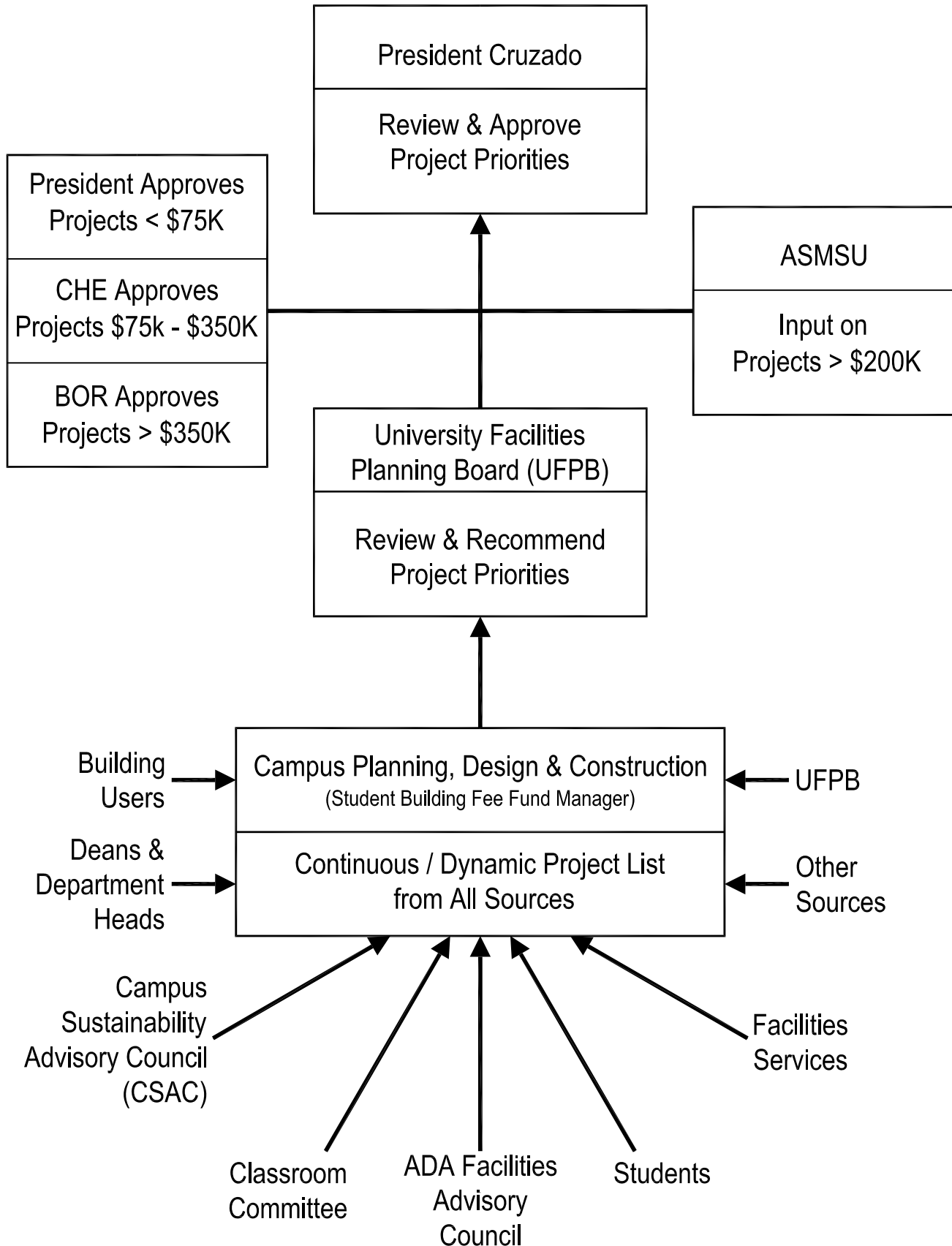
4. Submitting Projects to UFPB

- a. The University Facilities Planning Board (UFPB) is designated by the president as the MSU entity responsible to vet project proposals and make recommendations to the president regarding use of student building fee funds.
- b. CPDC will collaborate with key constituents to assess needs, develop project priorities and to periodically present projects to UFPB for recommendation to the president.
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- d. CPDC is also responsible to present projects to ASMSU for student endorsement as necessary and to procure appropriate project authority.

5. Accountability

- a. CPDC shall prepare and submit a report to UFPB annually, detailing use of student building fee funds, including the amount reserved for debt service and the current fund balance, status of projects approved by the president, and a working list of projects for which future funding might be appropriate.

# Project Development Process Outline for Student Building Fee Funds





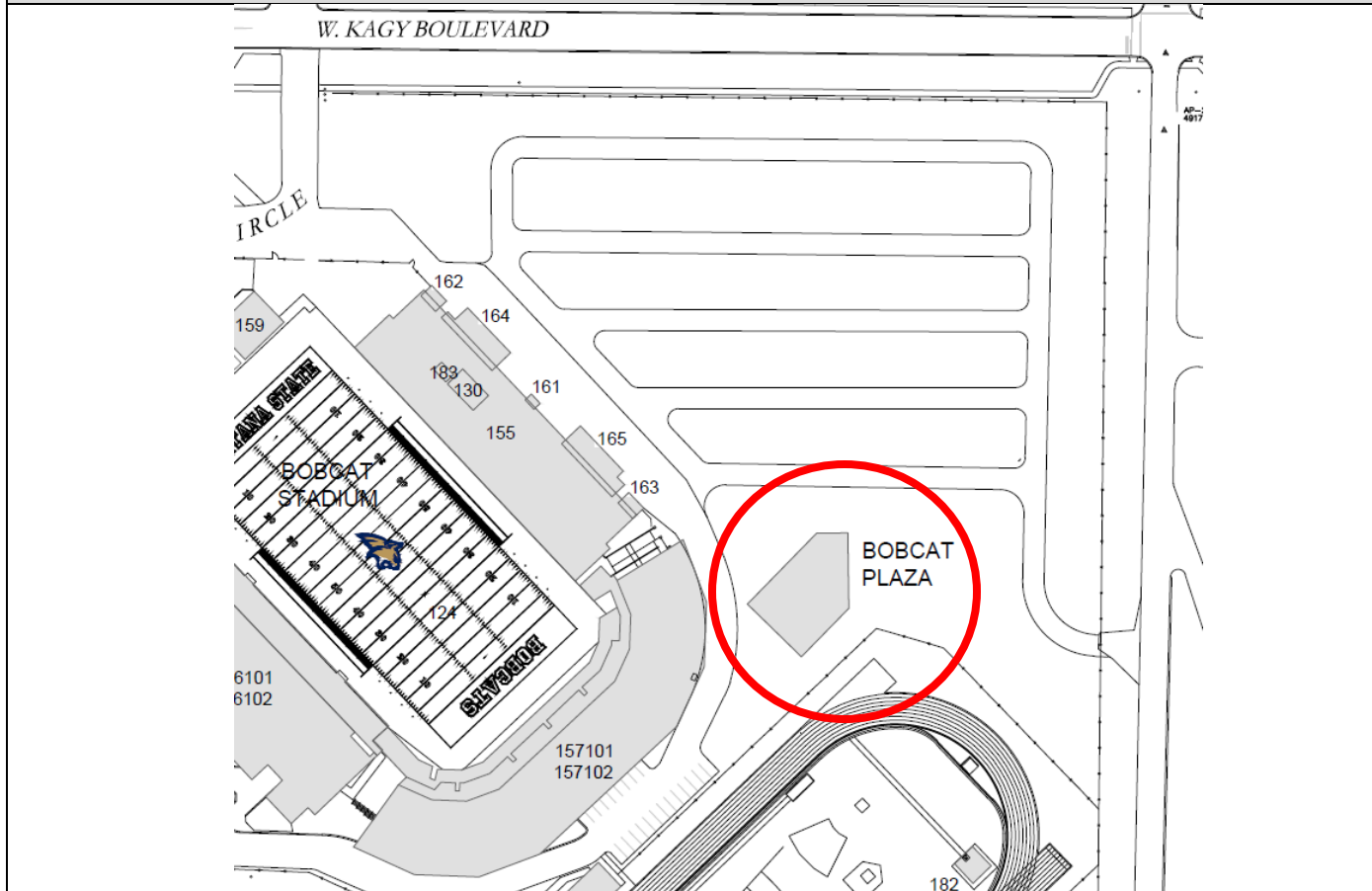
<b>ITEM # 7</b>	<b>Bobcat Plaza Sidewalk Concept</b>
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**PRESENTERS:**

EJ Hook and Randy Stephens, University Architect

<b>PROJECT PHASE:</b>	<b>PLANNING</b>	<b>X</b>	<b>SCHEMATIC</b>	<b>X</b>	<b>DESIGN DOCUMENTS</b>	<b>CONSTRUCTION DOCUMENTS</b>
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**VICINITY MAP:**



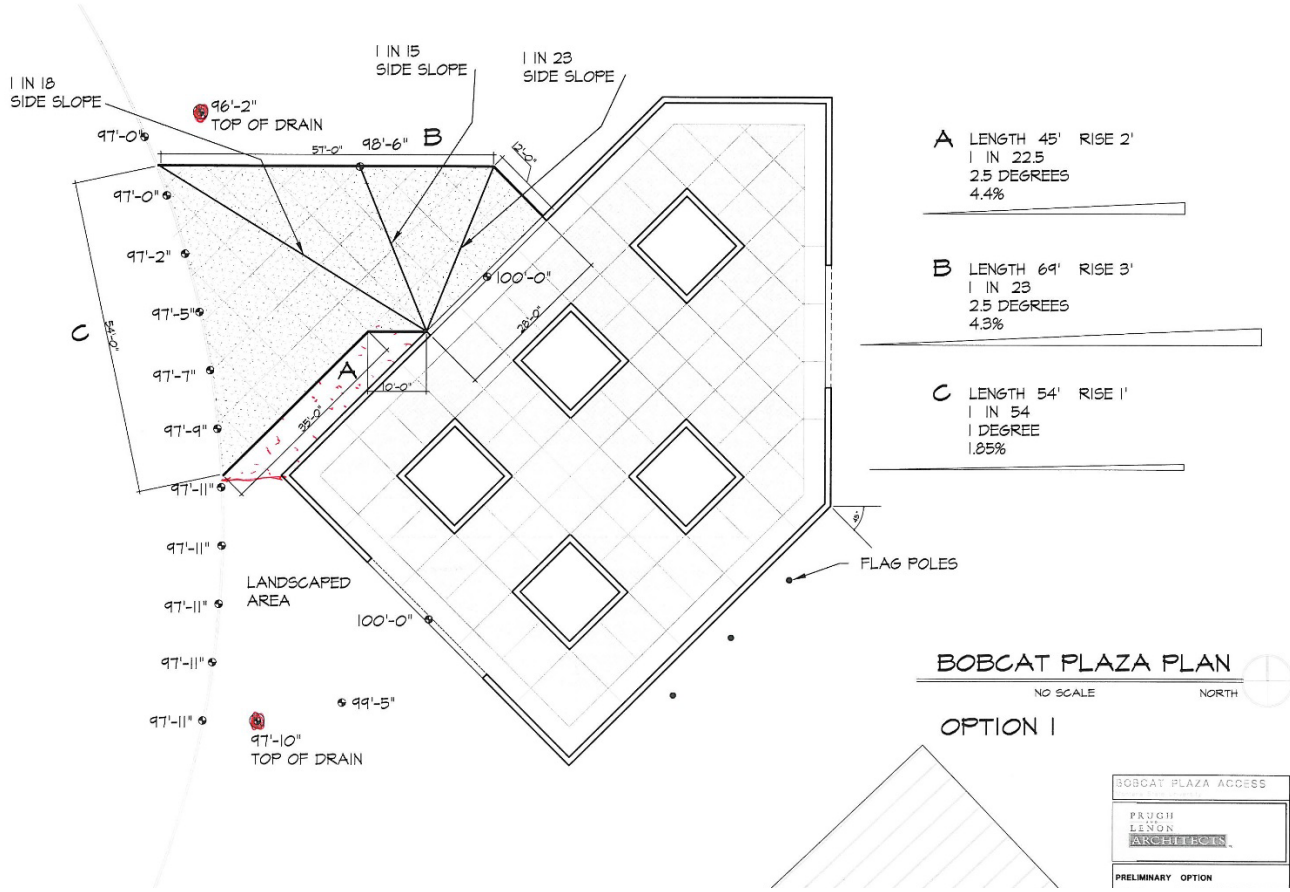
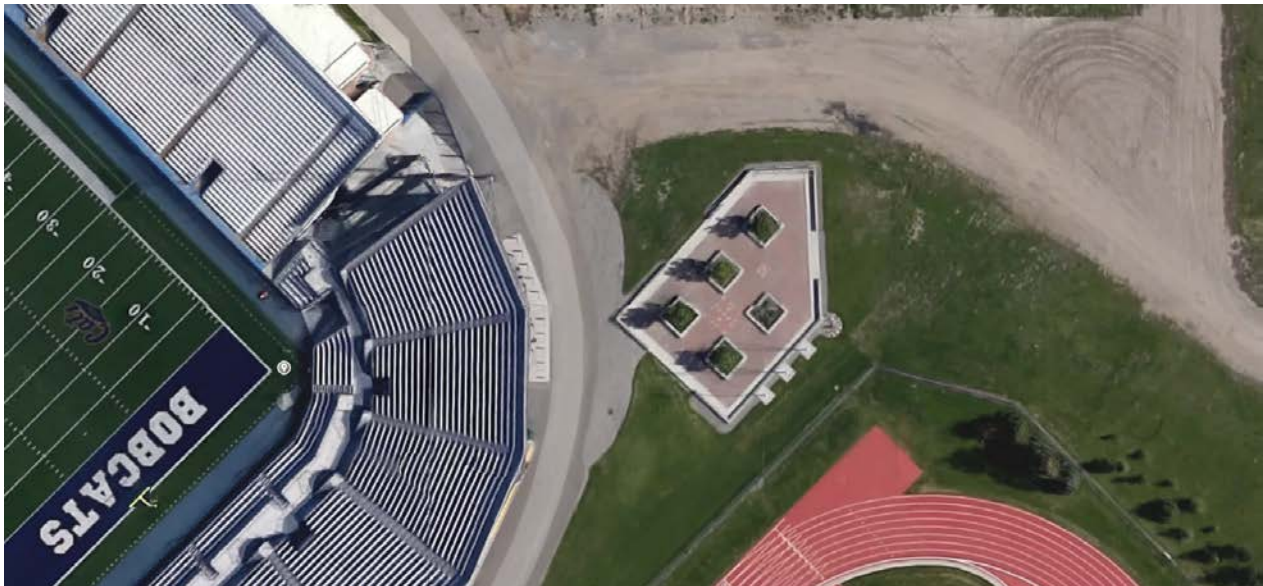
**STAFF COMMENTS:**

Since the addition of the Pulfrey Gate and end zone bleachers, the traffic flow between the Bobcat Plaza and the Pulfrey Gate have been less than ideal. Due to the two features' proximity, they interact as part of fan experience when entering through this gate. The loose round gravel between the Plaza and the road, already a less than desirable pedestrian surface, migrates onto paved surfaces exacerbating that issue. Further, as fans attempt to avoid the gravel they move into a line formation which does not help maintain consistent flow through the gates. Lastly the area in its current state is a constant maintenance and safety issue. There is an opportunity to improve upon the existing situation by concreting the area, eliminating

the rock hazard and potentially establishing a pedestrian ADA access from the Plaza to the gate. A plan is attached to show the area proposed to be concreted. The project will be funded by the Athletics Department.



**Arial View:**



COMPLIANCE:	YES	NO
MSU POLICIES		X
COMMITTEE OR APPROPRIATE REVIEW	X	
MASTER PLAN		X

**BOARD ACTION REQUIRED:**

**Approval to proceed with installation assuming grade and ADA criteria can be met.**