

FREE STATE HIGH SCHOOL

schematic design review | USD497 board meeting | 12.11.2017

gouldevans

FREE STATE HIGH SCHOOL

schematic design review | USD497 board meeting | 12.11.2017

PROJECT GOALS
ENGAGEMENT
THE BIG IDEA
CONCEPT DEVELOPMENT
FURNITURE PILOT
SITE DEVELOPMENT
MEP
SCHEDULE

PROJECT GOALS

ENGAGEMENT

THE BIG IDEA

CONCEPT DEVELOPMENT

FURNITURE PILOT

SITE DEVELOPMENT

MEP

SCHEDULE

PROJECT GOALS:

1. Create 21st century learning environments supporting student-centered learning
2. Accommodate a growing student population
3. Provide a safe and secure campus
4. Accommodate student privacy
5. Create equity across the district
6. Strategic MEP and systems upgrades

PROJECT GOALS

ENGAGEMENT

THE BIG IDEA

CONCEPT DEVELOPMENT

FURNITURE PILOT

SITE DEVELOPMENT

MEP

SCHEDULE

SCHEMATIC DESIGN ENGAGEMENT TO DATE:

DESIGN AND CONSTRUCTION COMMITTEE 1X MONTH

teachers, administrators, faculty, parents

DISTRICT-LEVEL SPECIAL EDUCATION AND LGBTQ+ LEADERS 10.16.2017

LIBRARIAN AND MEDIA SPECIALIST 10.23.2017 AND 11.16.2017

SITE COUNCIL 11.15.2017

SPECIAL EDUCATION TEACHERS 11.20.2017

ATHLETICS COACHES AND TEACHERS 10.04.2017 AND 11.28.2017

DISTRICT-LEVEL SUSTAINABILITY LEADERS

FACULTY (VIA SURVEY + PRESENTATION)

STUDENT BODY (VIA SURVEY)

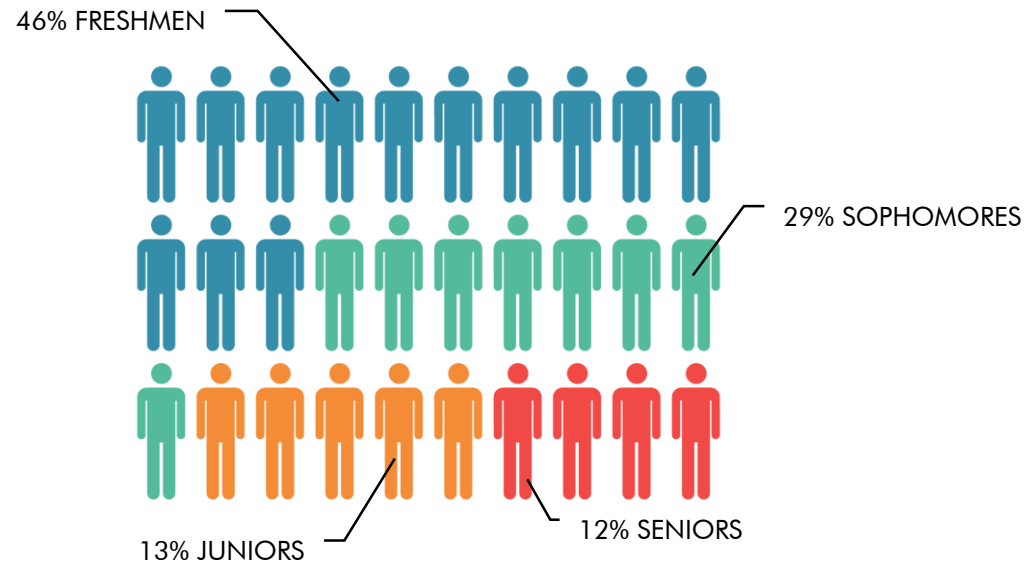
FUTURE STAKEHOLDER ENGAGEMENT:

FSHS STUDENT COUNCIL 12.12.2017

MONTHLY DESIGN AND CONSTRUCTION COMMITTEE MEETINGS

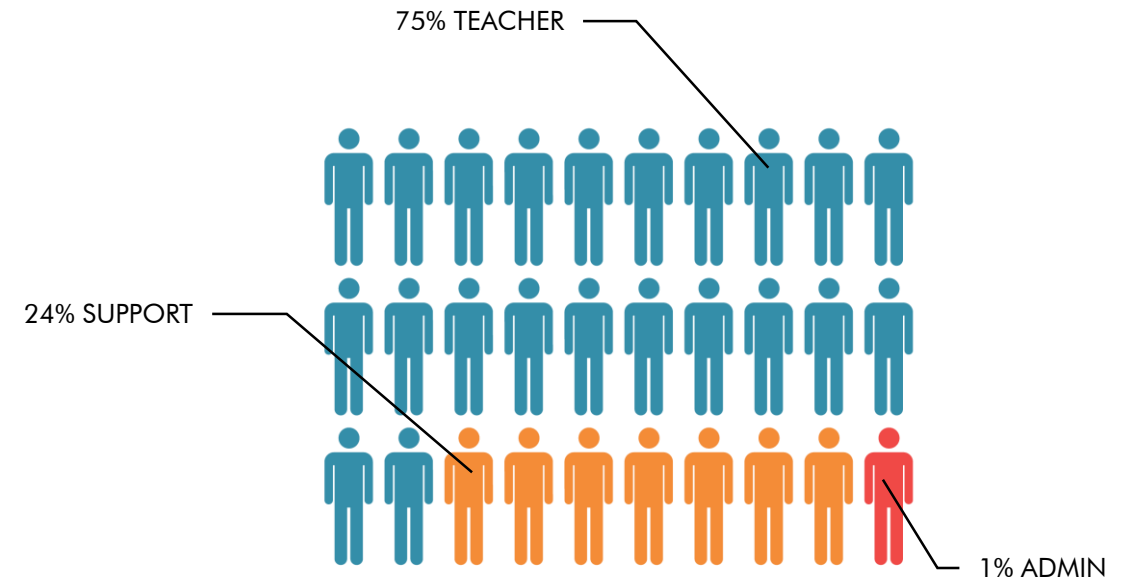
442 STUDENTS

(25% STUDENT POPULATION)

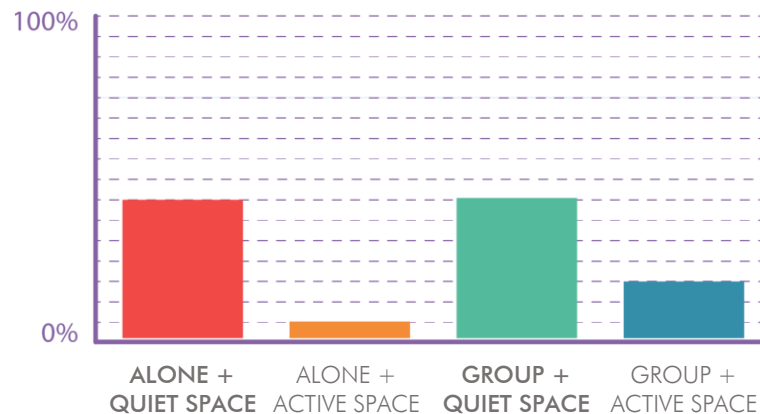


75 FACULTY

(35% FACULTY POPULATION)



DO YOU CONSIDER YOURSELF AN INTROVERT OR EXTROVERT?
HOW DO YOU PREFER TO STUDY?



STUDENT RESPONSE

even mix of introverts
and extroverts... a need
for a **wide variety of
learning environments**

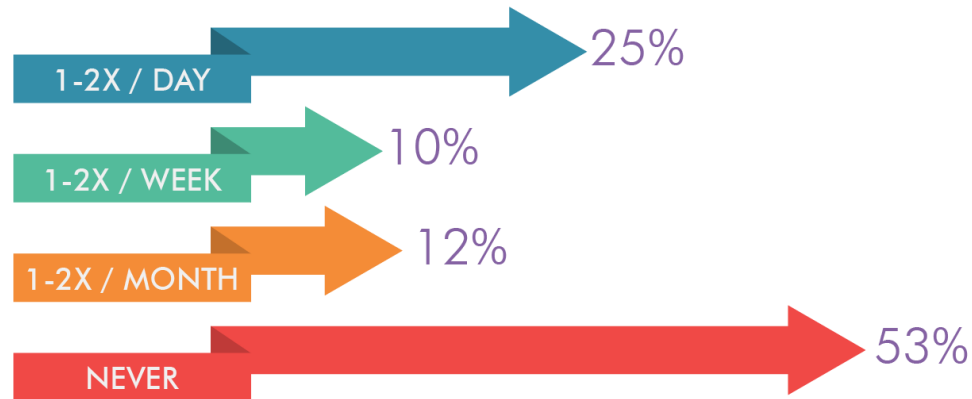
WHERE DO YOU CONSIDER THE HEART OF THE SCHOOL TO BE?



STUDENT RESPONSE

academic / media spaces
not recognized as “heart” of
school... how can we
**strengthen core academic
areas so they serve as a
source of pride** and create
academic resources that
serve as a geographic hub
to the school?

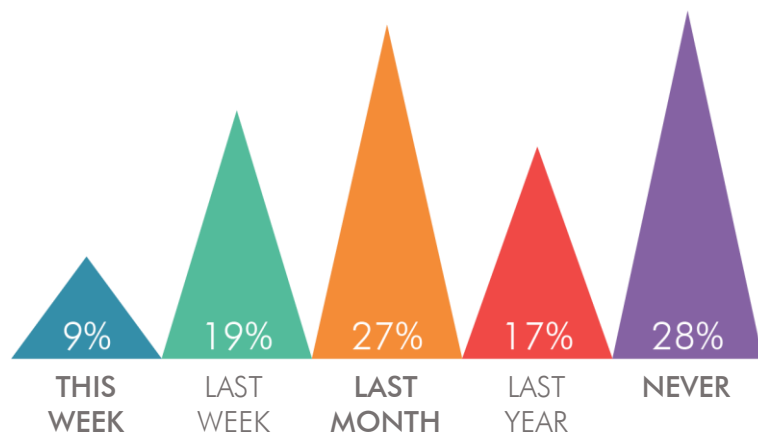
HOW OFTEN DO YOU USE YOUR ACADEMIC LOCKER?



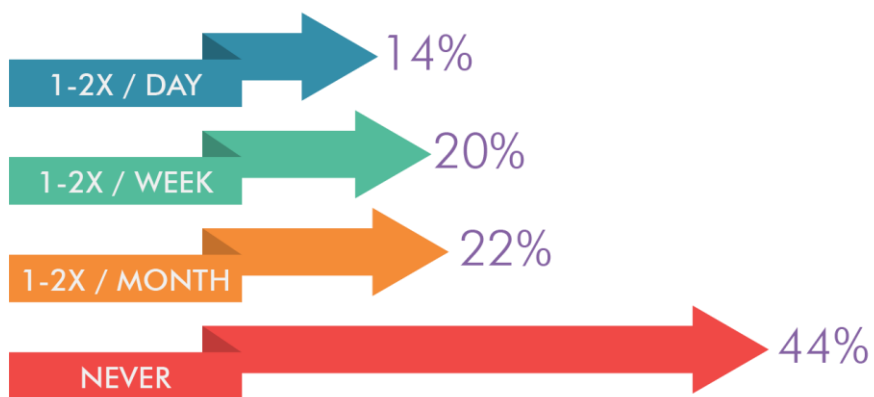
STUDENT RESPONSE

academic lockers are being used less with the introduction of 1:1 devices... how can we **repurpose locker real estate to support 21st century learning?**

WHEN WAS THE LAST TIME YOU USED THE LIBRARY / HOW OFTEN DO YOU USE THE LIBRARY?



STUDENT RESPONSE



FACULTY RESPONSE

library utilization is low compared to national benchmarks...can a change of location and more prominent presence **increase utilization of this school-wide resource?**

PROJECT GOALS

ENGAGEMENT

THE BIG IDEA

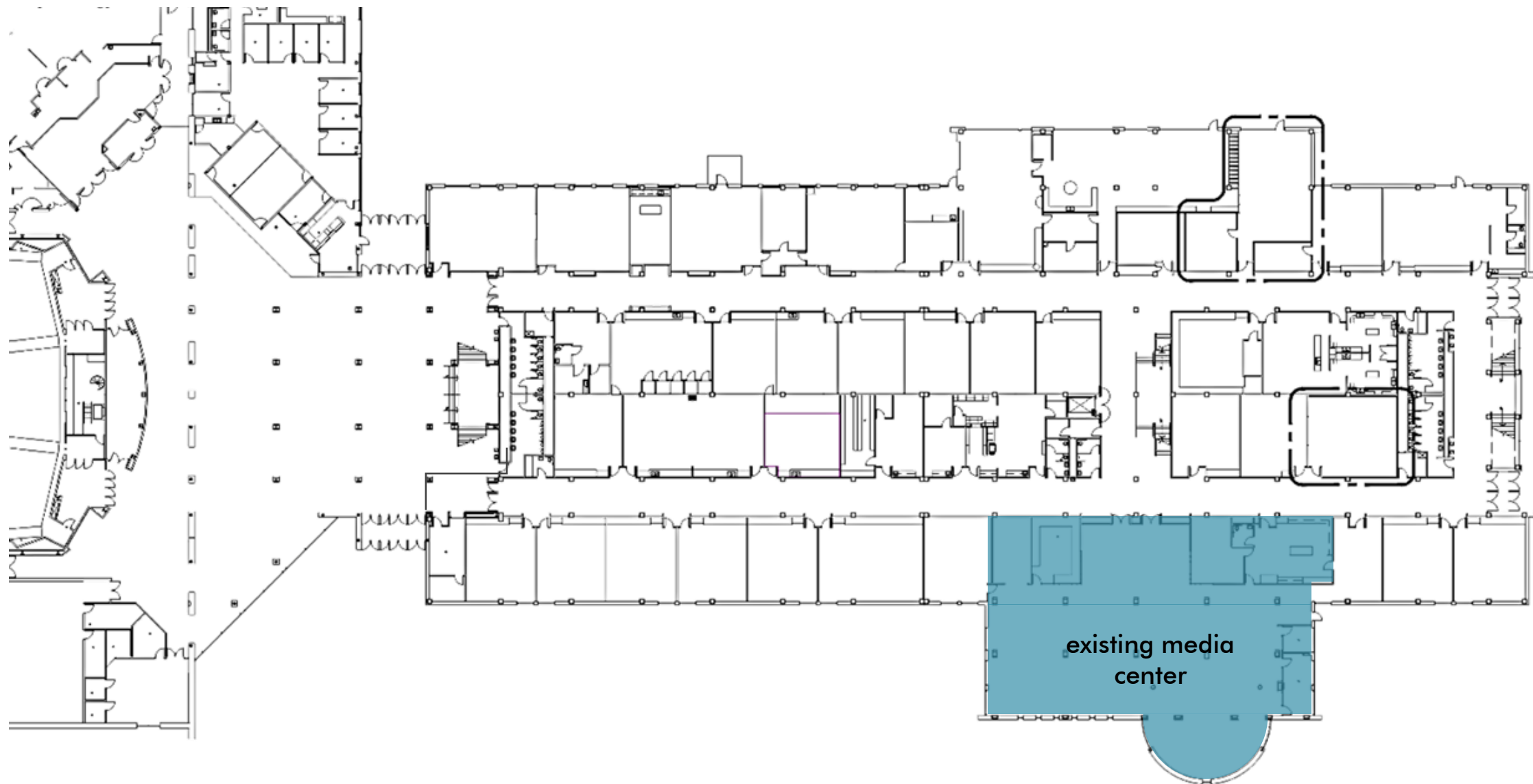
CONCEPT DEVELOPMENT

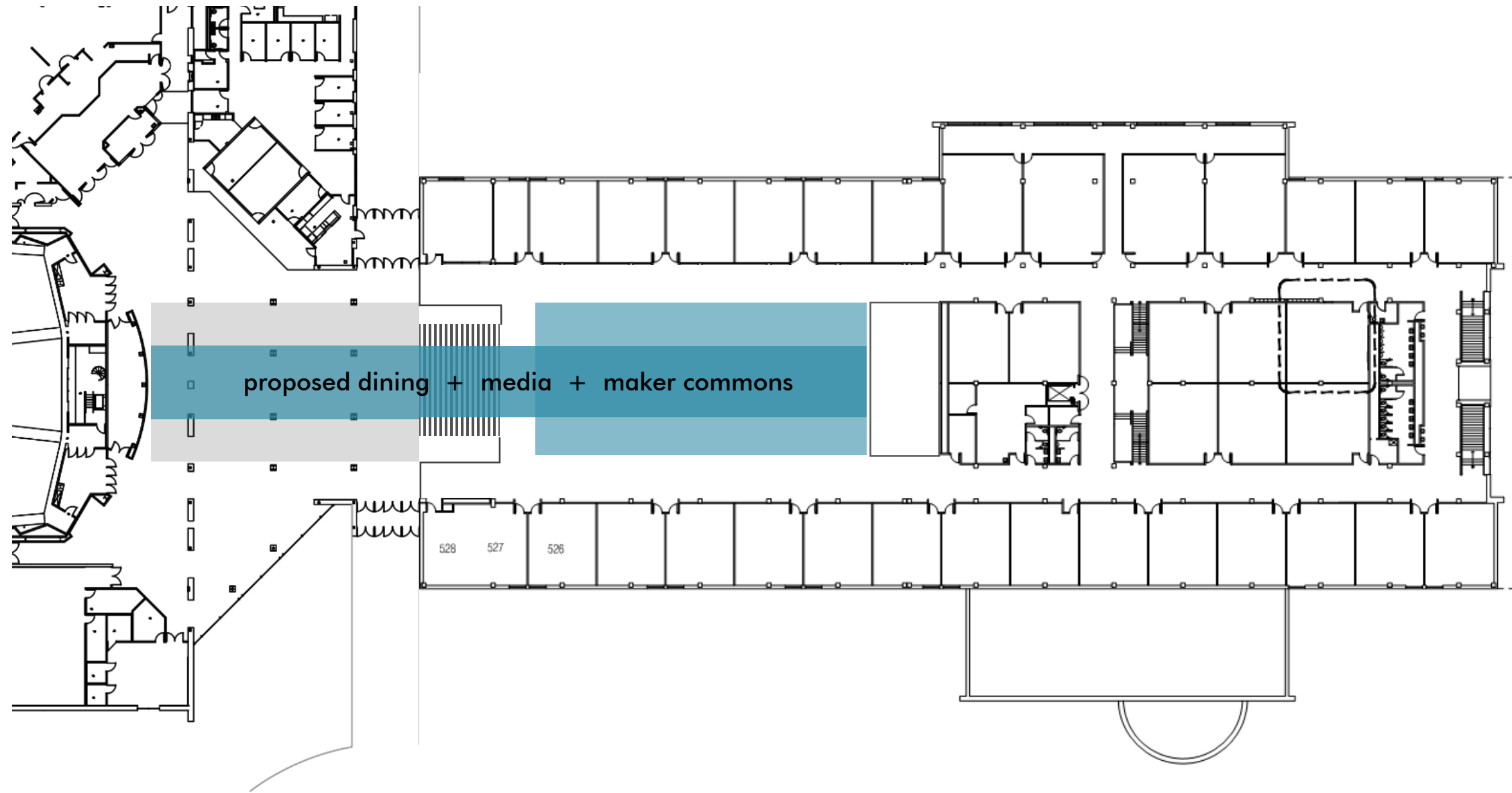
FURNITURE PILOT

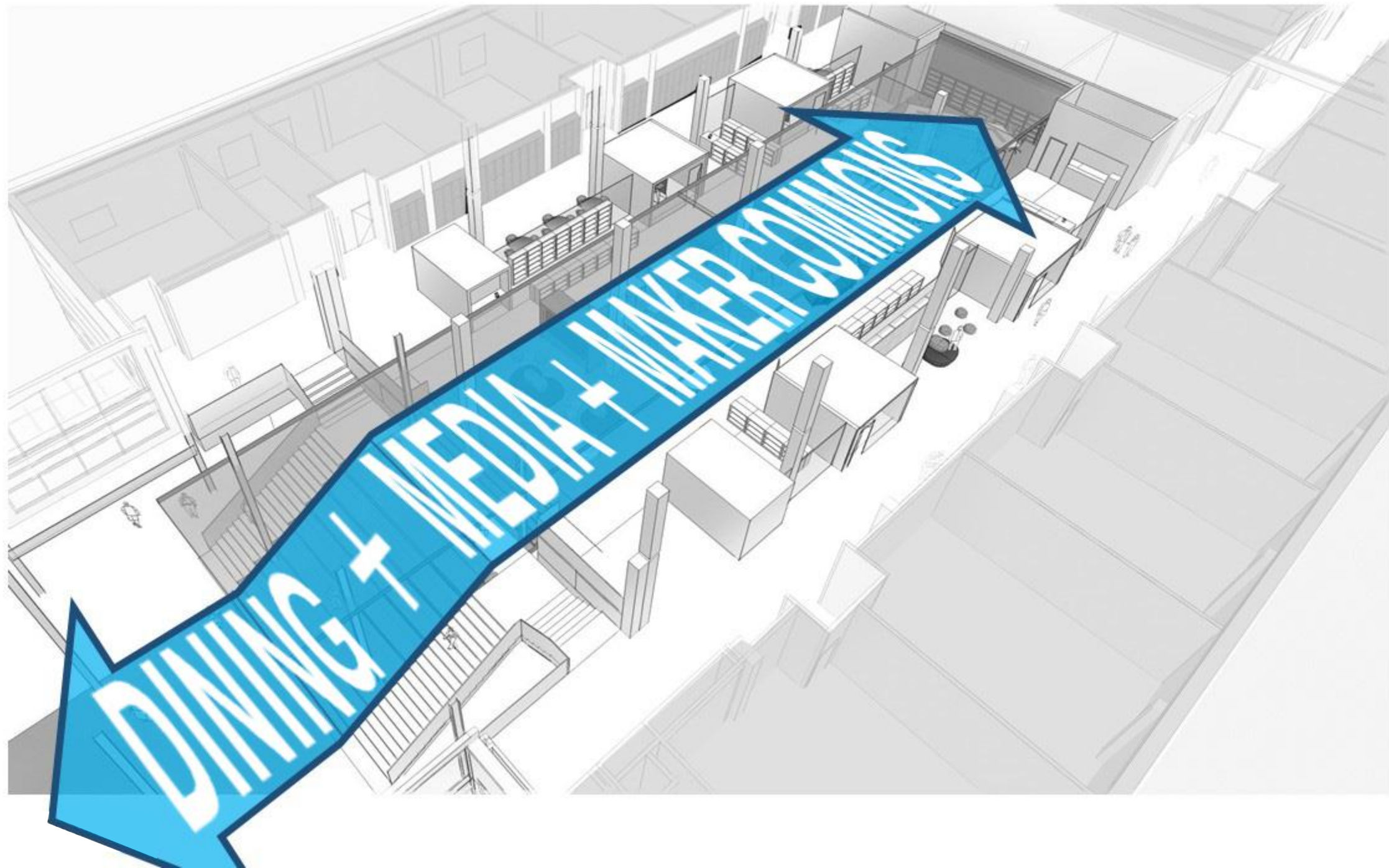
SITE DEVELOPMENT

MEP

SCHEDULE







LIBRARY AS A...

...large '**Learning Pocket**' – *easily accessible from classrooms*

...place for **ALL learners** – *quiet and active learning spaces*

...place to develop **self-directed & entrepreneurial mindsets**

...center for **digital creation**

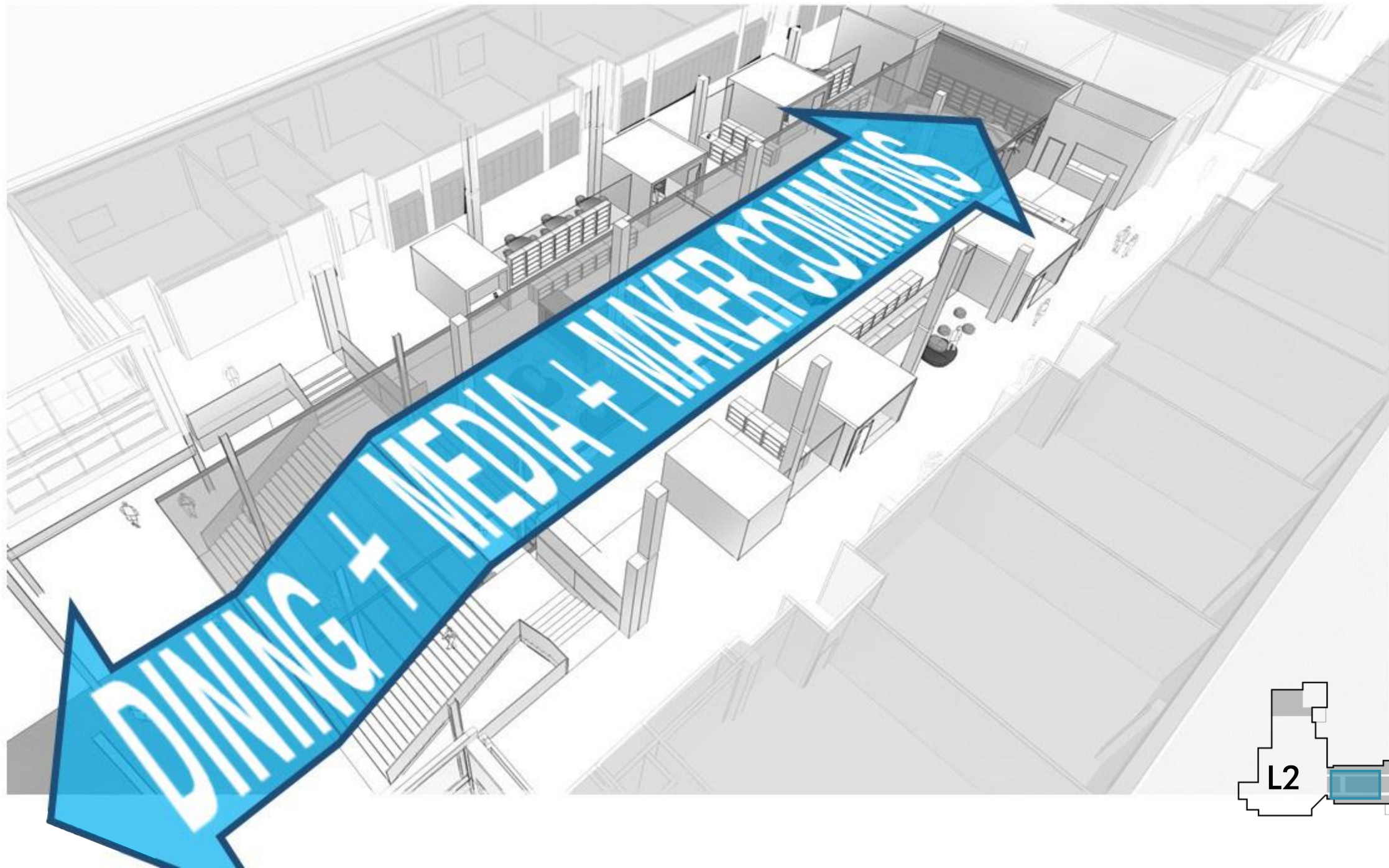
...**student success center**

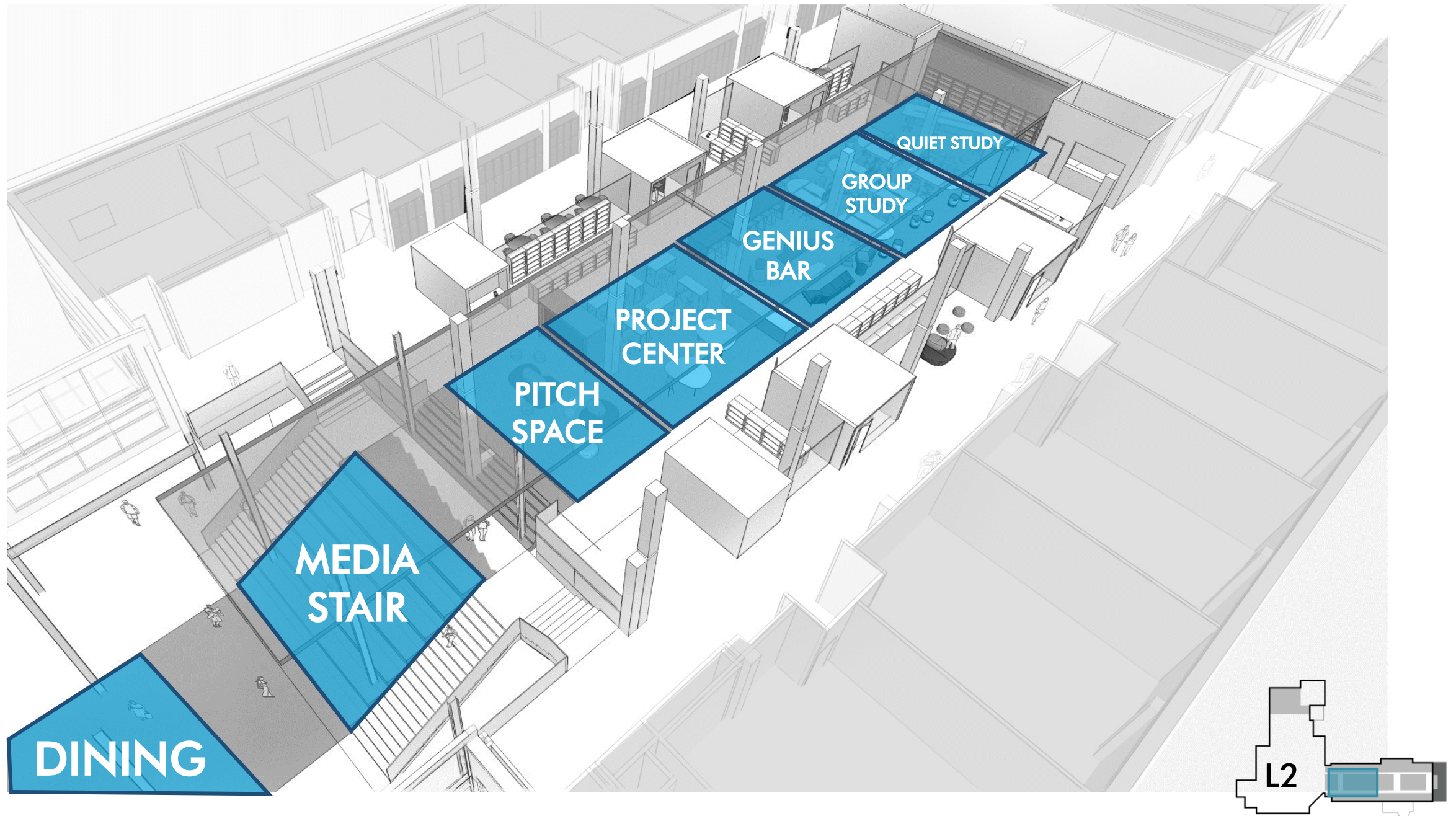
...place to build a **love of literature**

...place to support **public forums** and **student presentations**

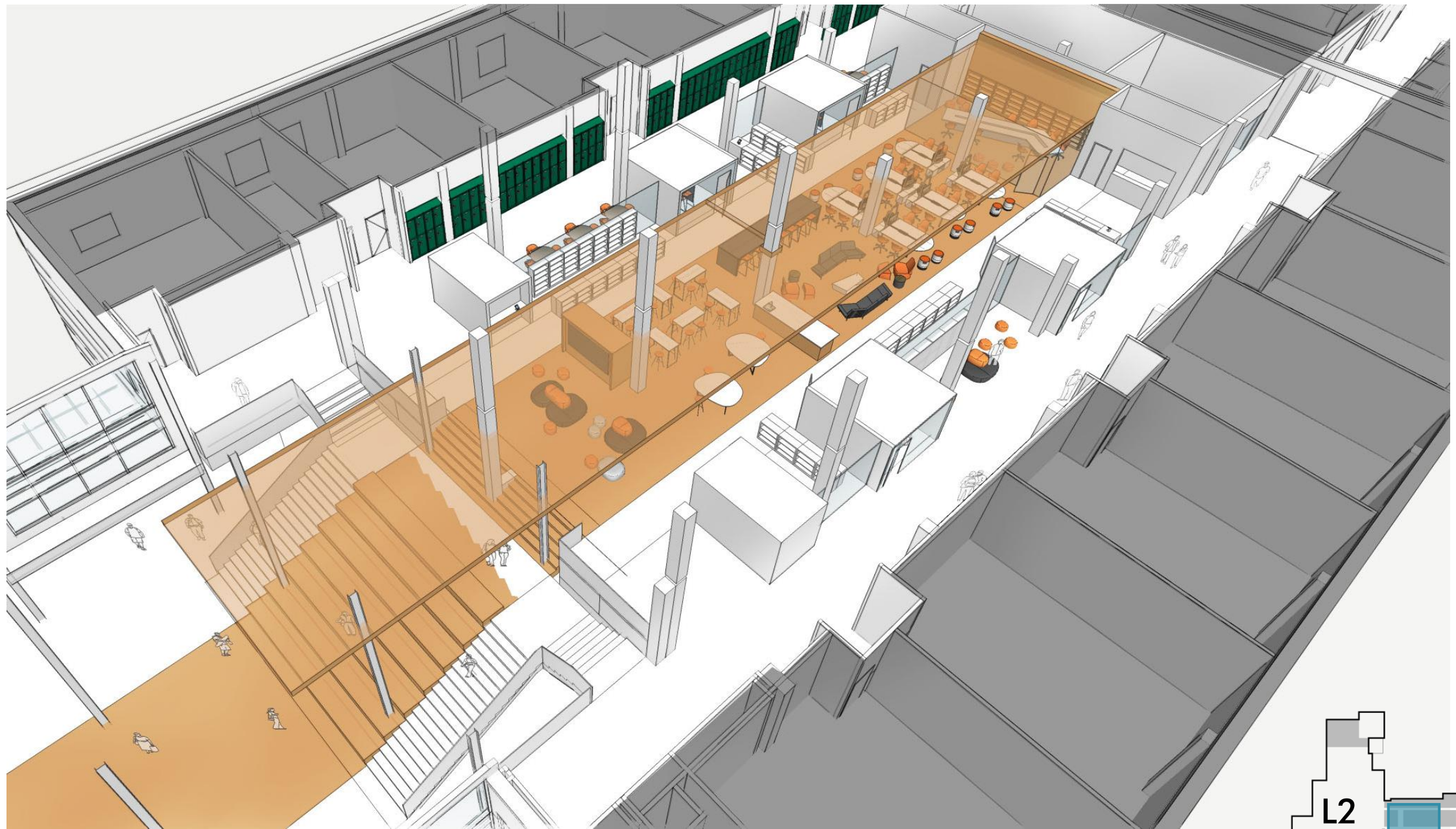
...place that is **flexible to evolve** with the future needs of the school

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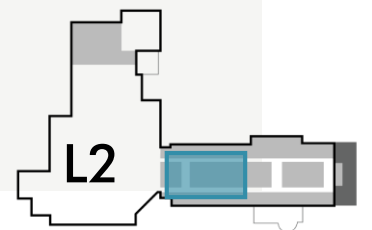


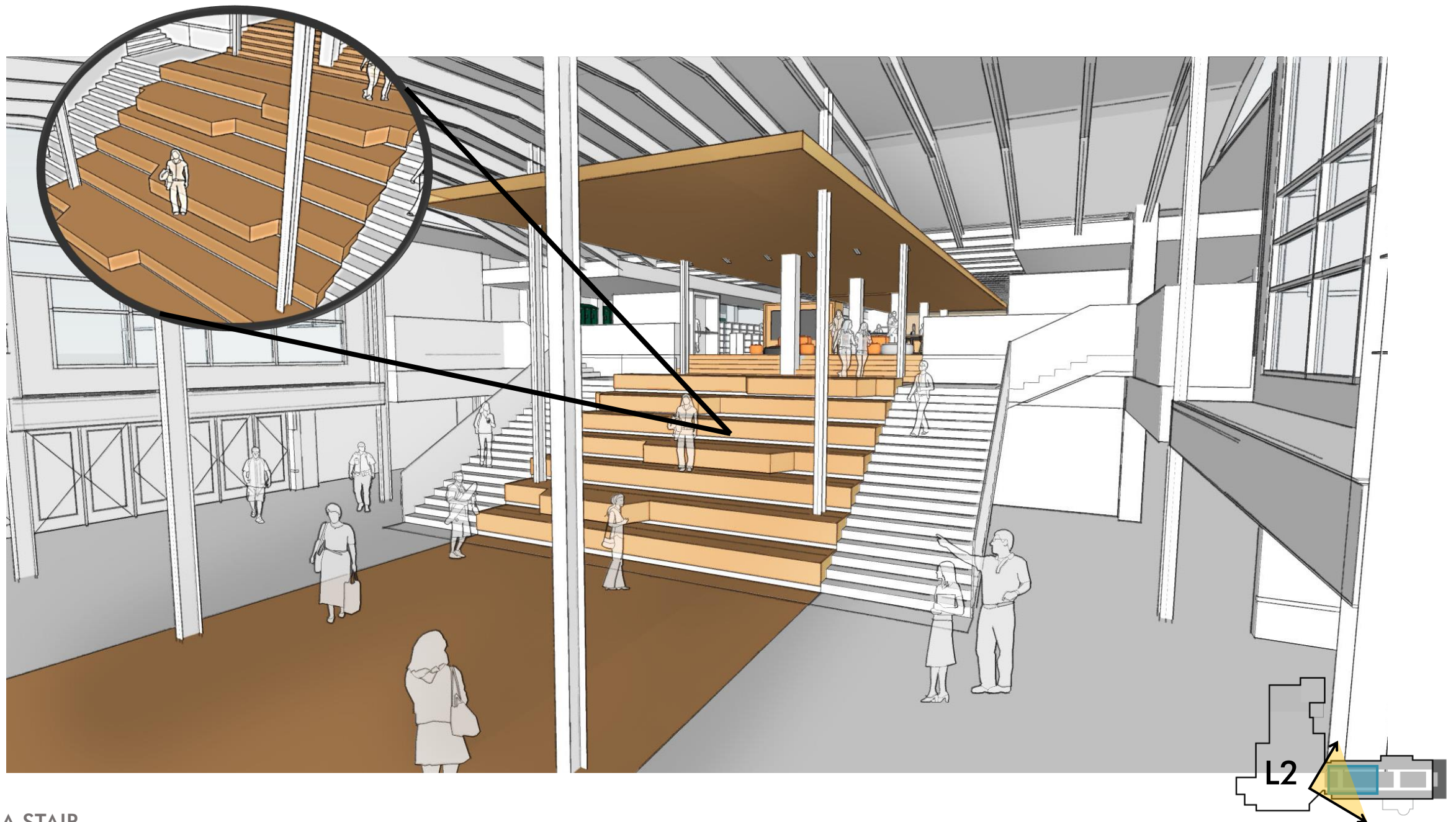


MEDIA COMMONS

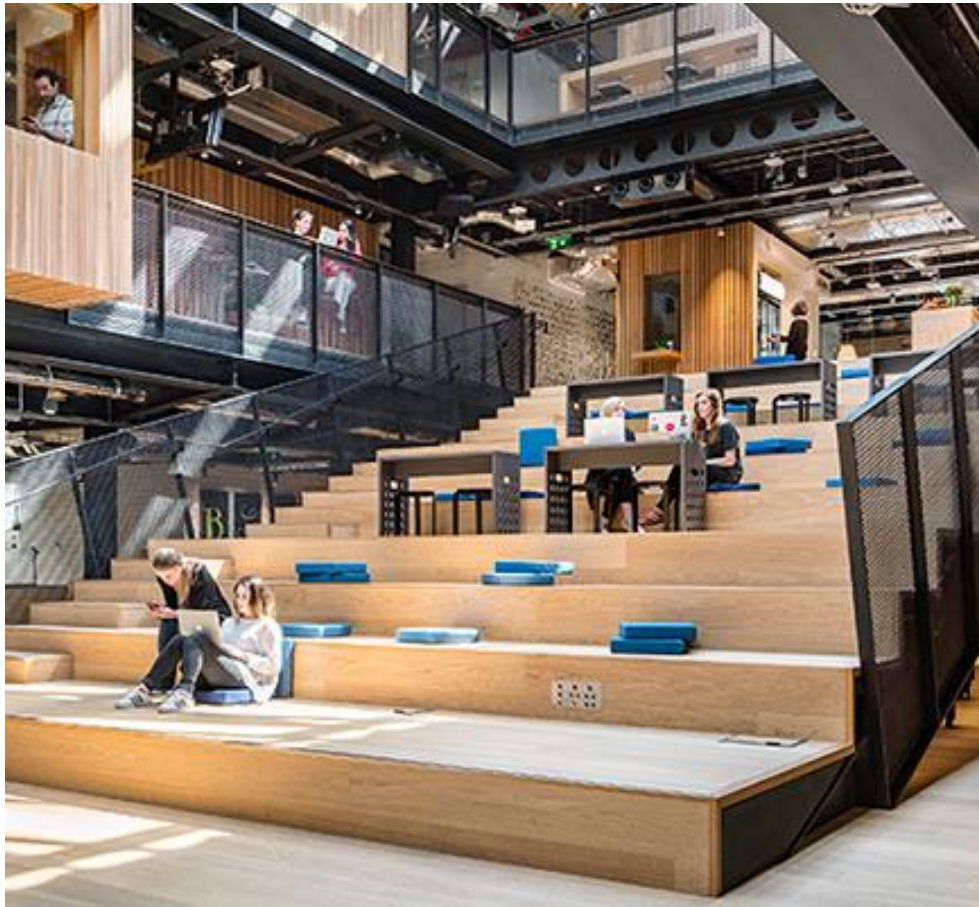


MEDIA COMMONS





MEDIA STAIR



LEARNING STAIR

MEDIA COMMONS

SELF CHECK-OUT

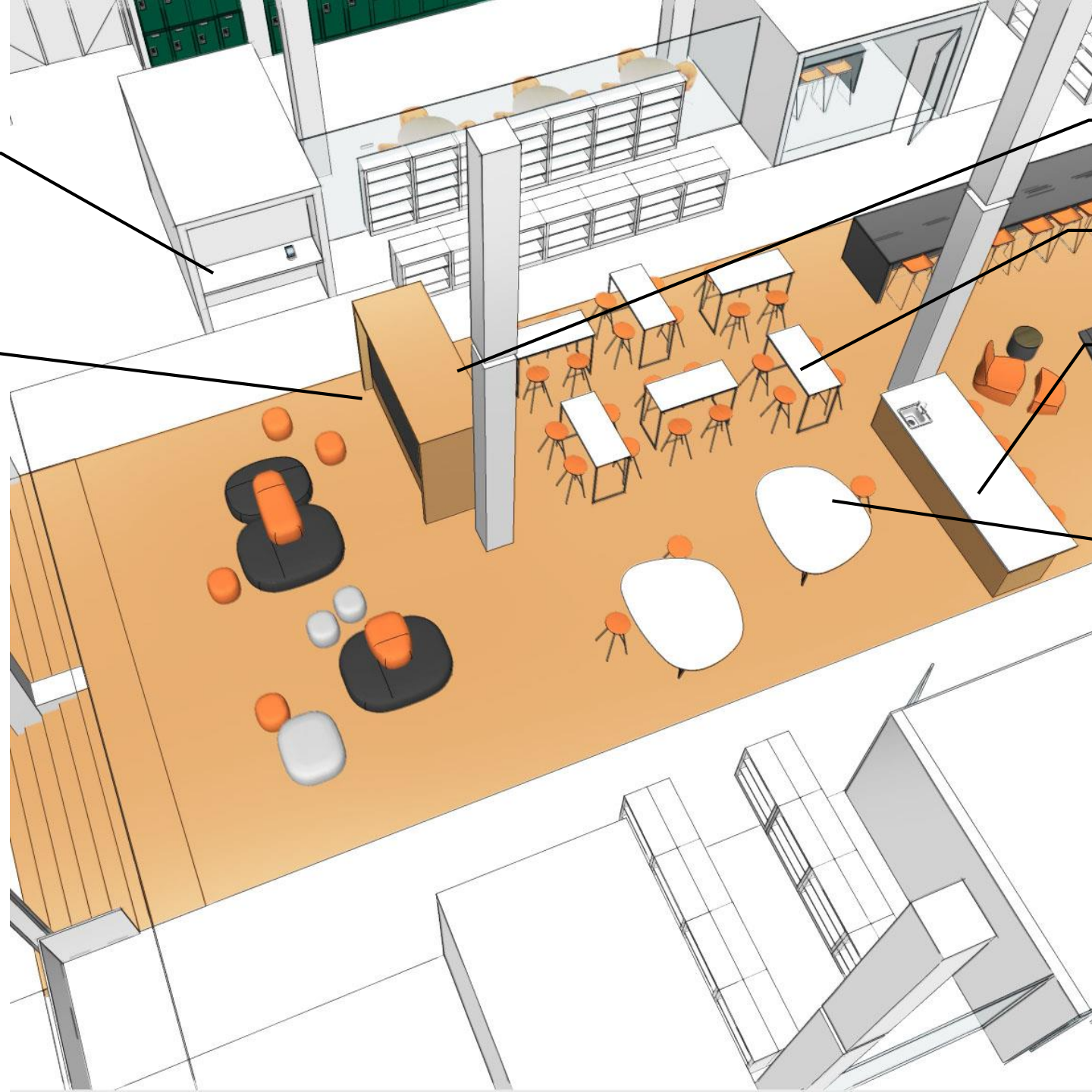
PITCH SPACE SCREEN

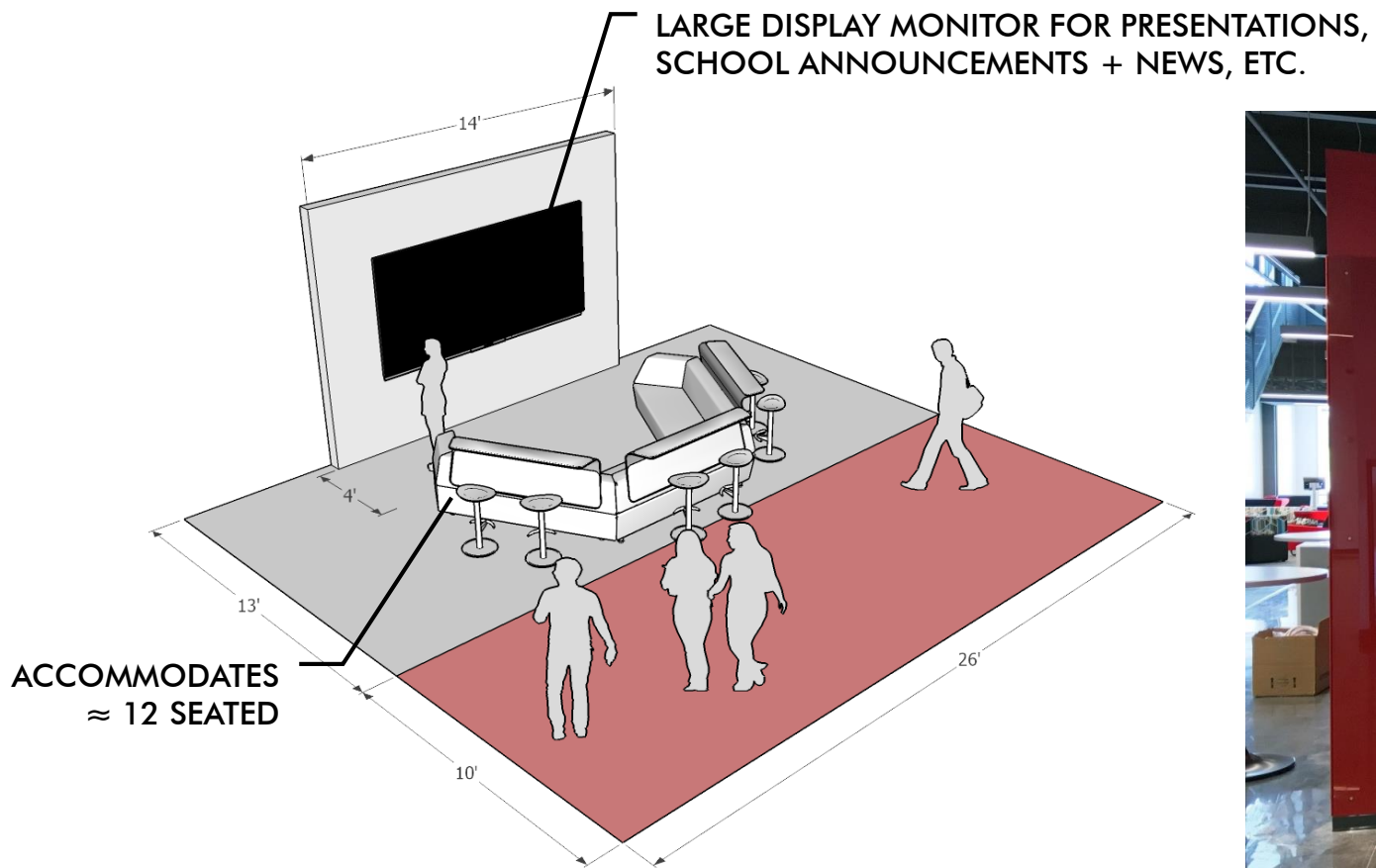
PRINTER BEYOND

PROJECT TABLES

SINK / SUPPLIES

LAY-OFF TABLES





PITCH SPACE



PROJECT CENTER

PRINTERS / SUPPLIES
LARGE WORK SURFACES



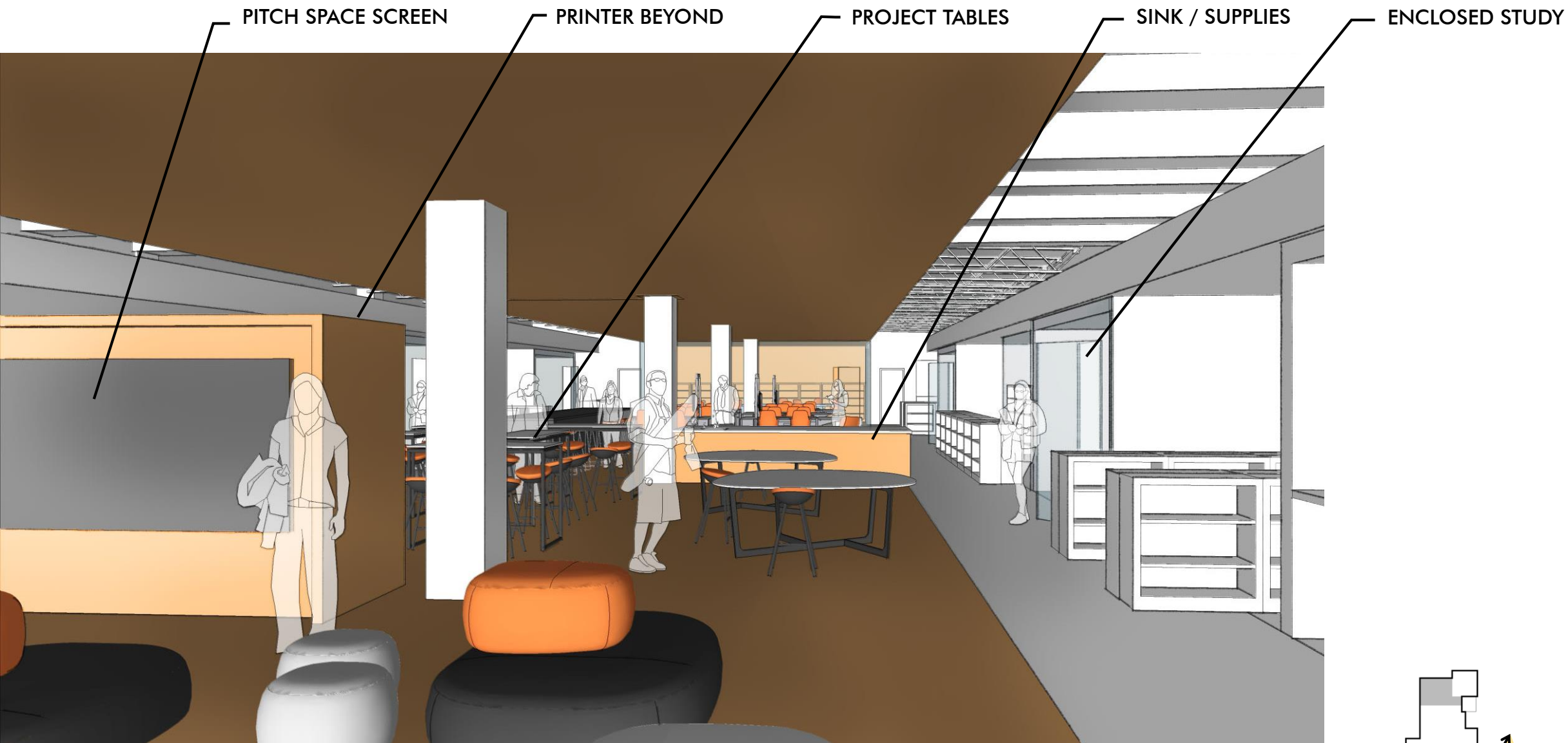


SUPPORT CENTER

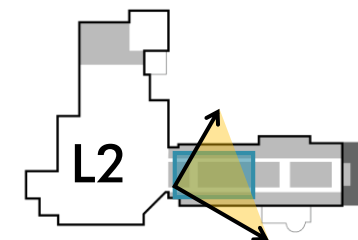
STUDENT SUCCESS
LIBRARIAN SUPPORT
IT SUPPORT

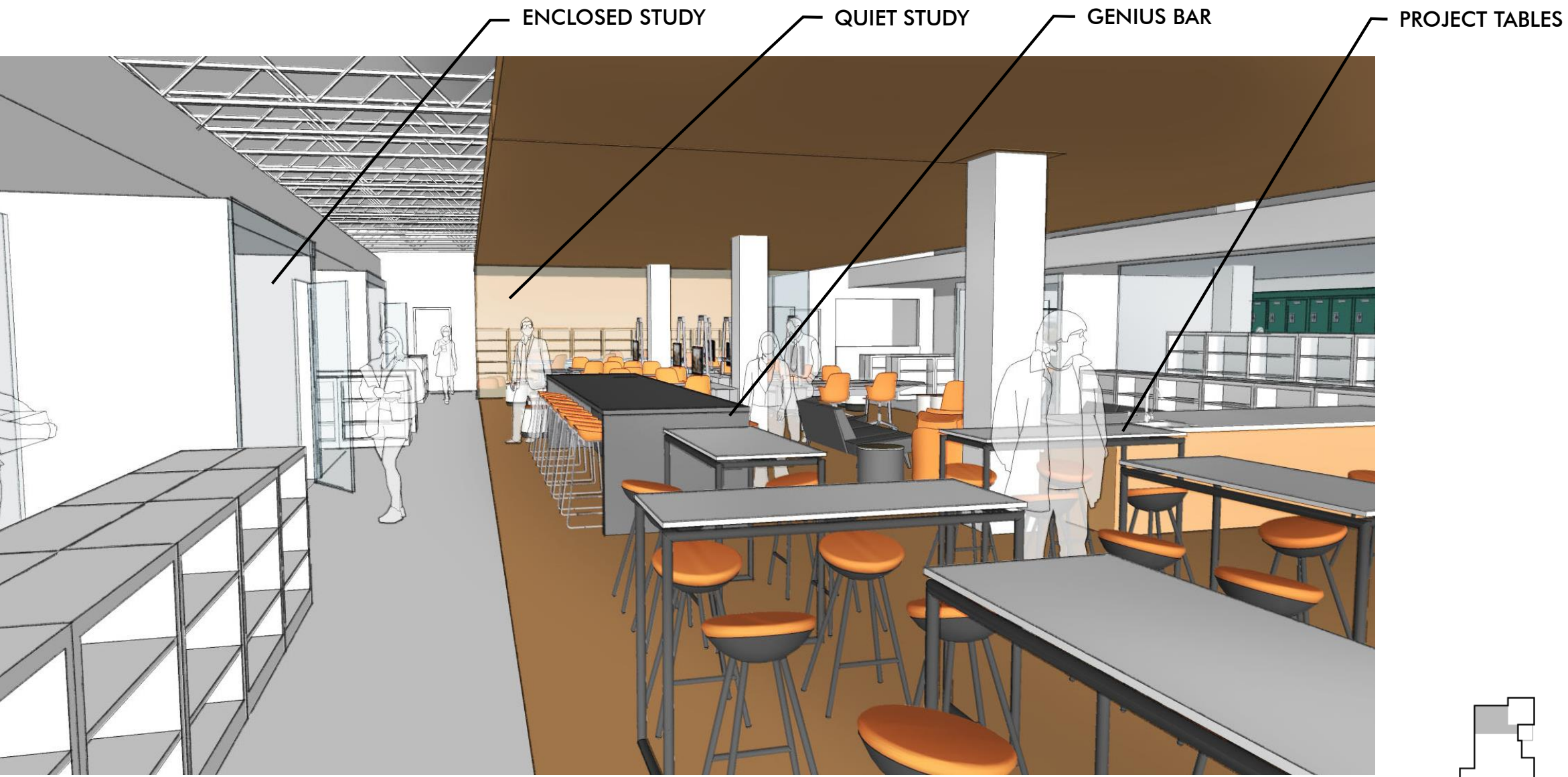


QUIET ZONES

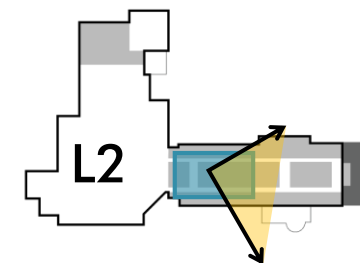


MEDIA COMMONS – VIEW OF PITCH SPACE + PROJECT CENTER



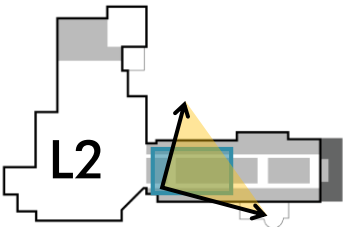


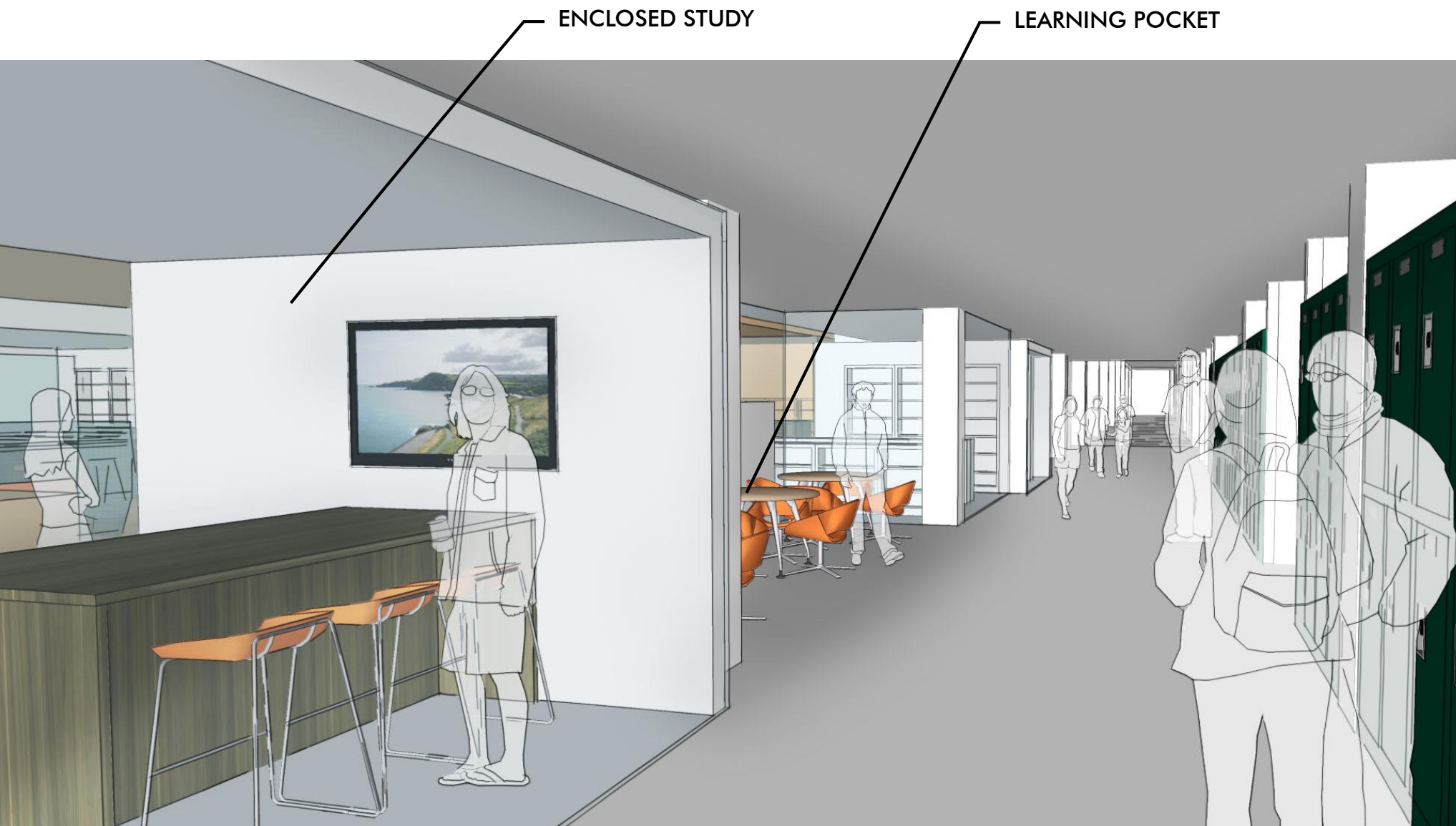
MEDIA COMMONS – VIEW OF PROJECT CENTER + GENIUS BAR



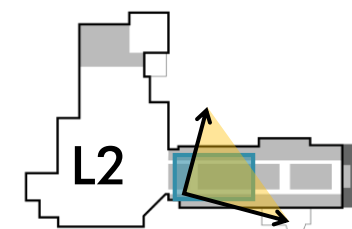


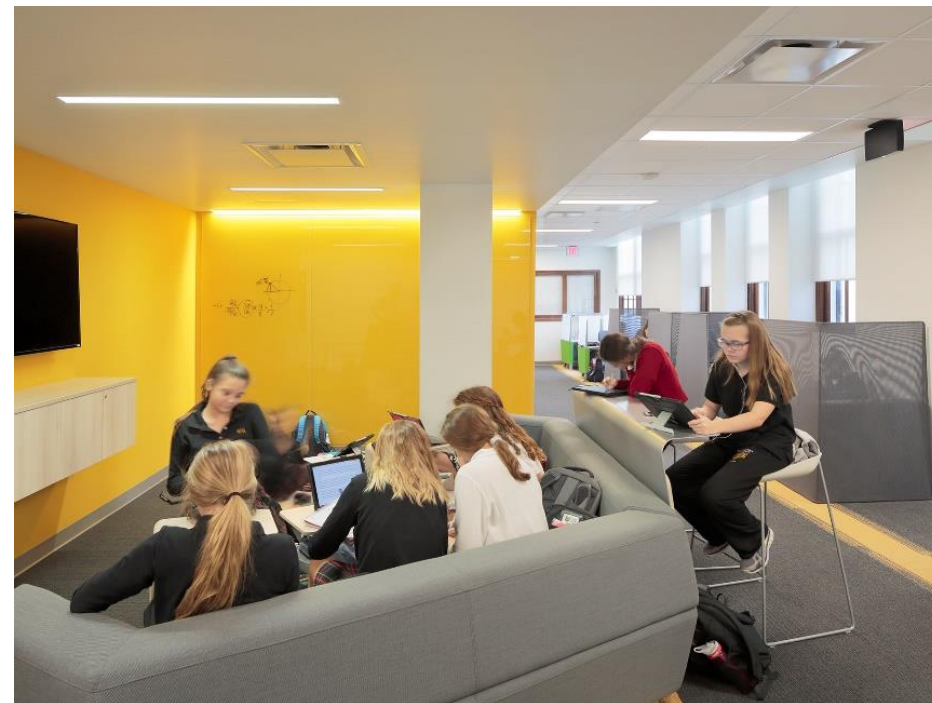
EXISTING LEVEL TWO CORRIDOR



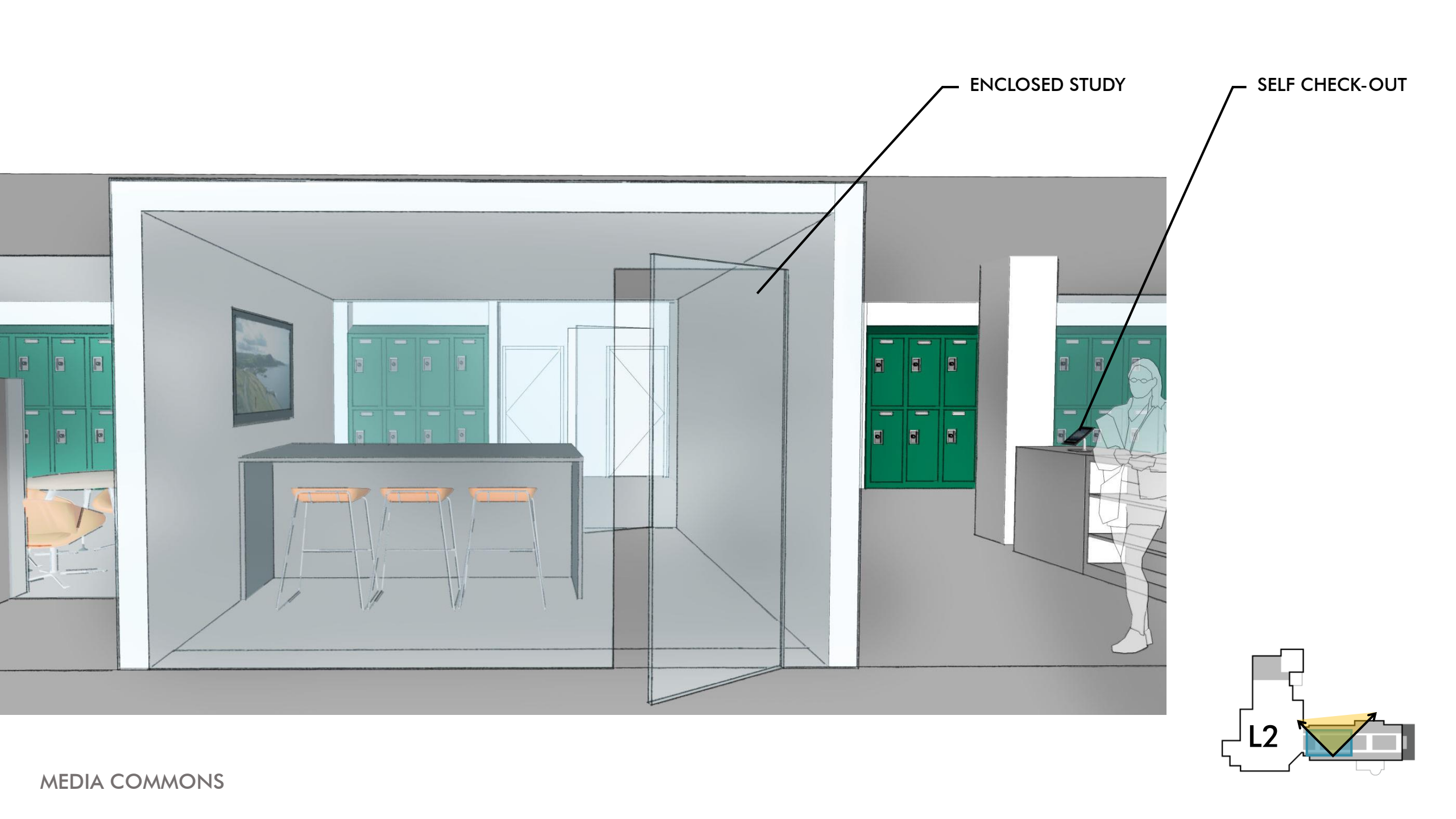


PROPOSED LEVEL TWO CORRIDOR – VIEW INTO MEDIA COMMONS





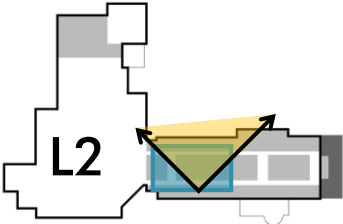
GROUP WORK

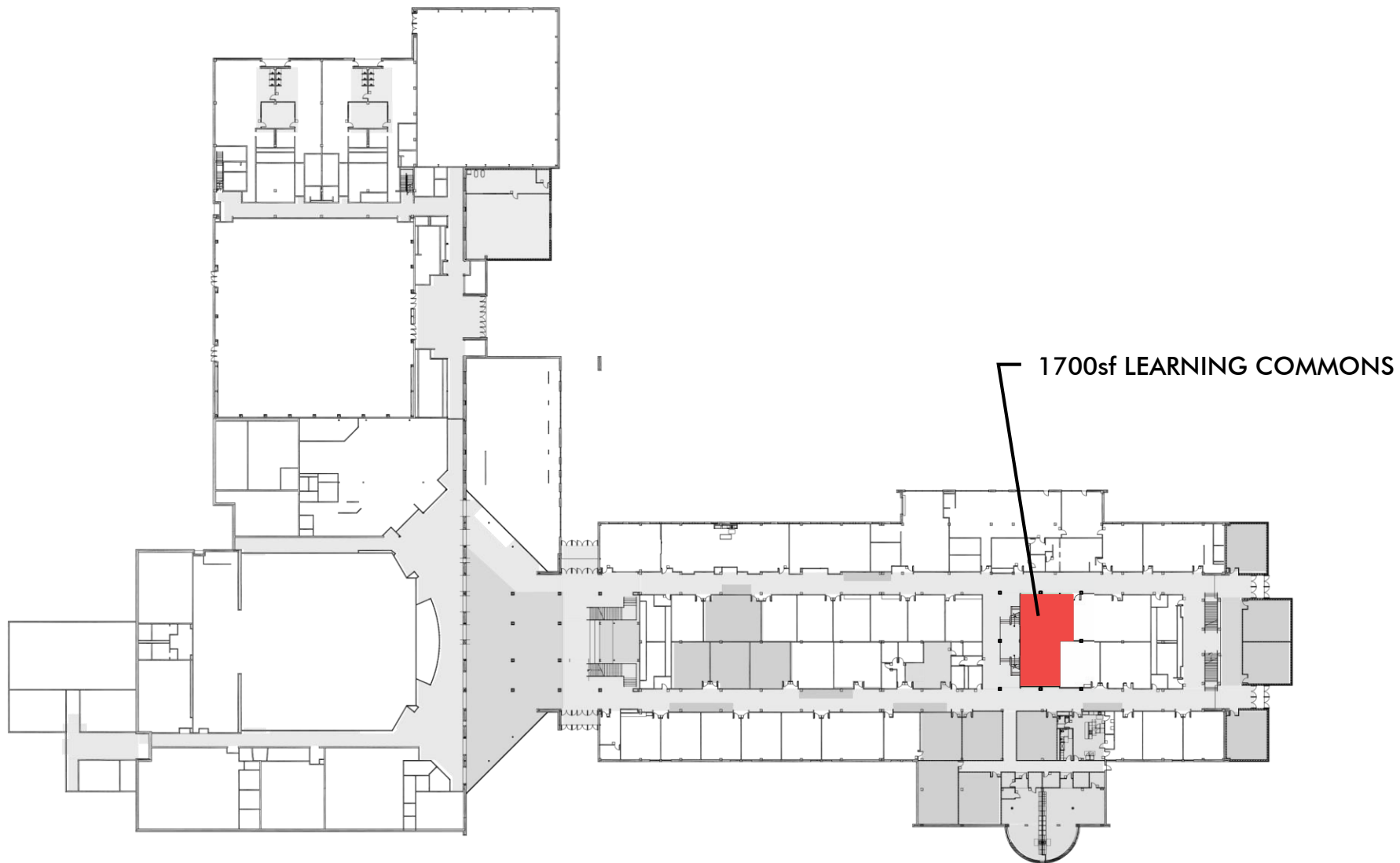


ENCLOSED STUDY

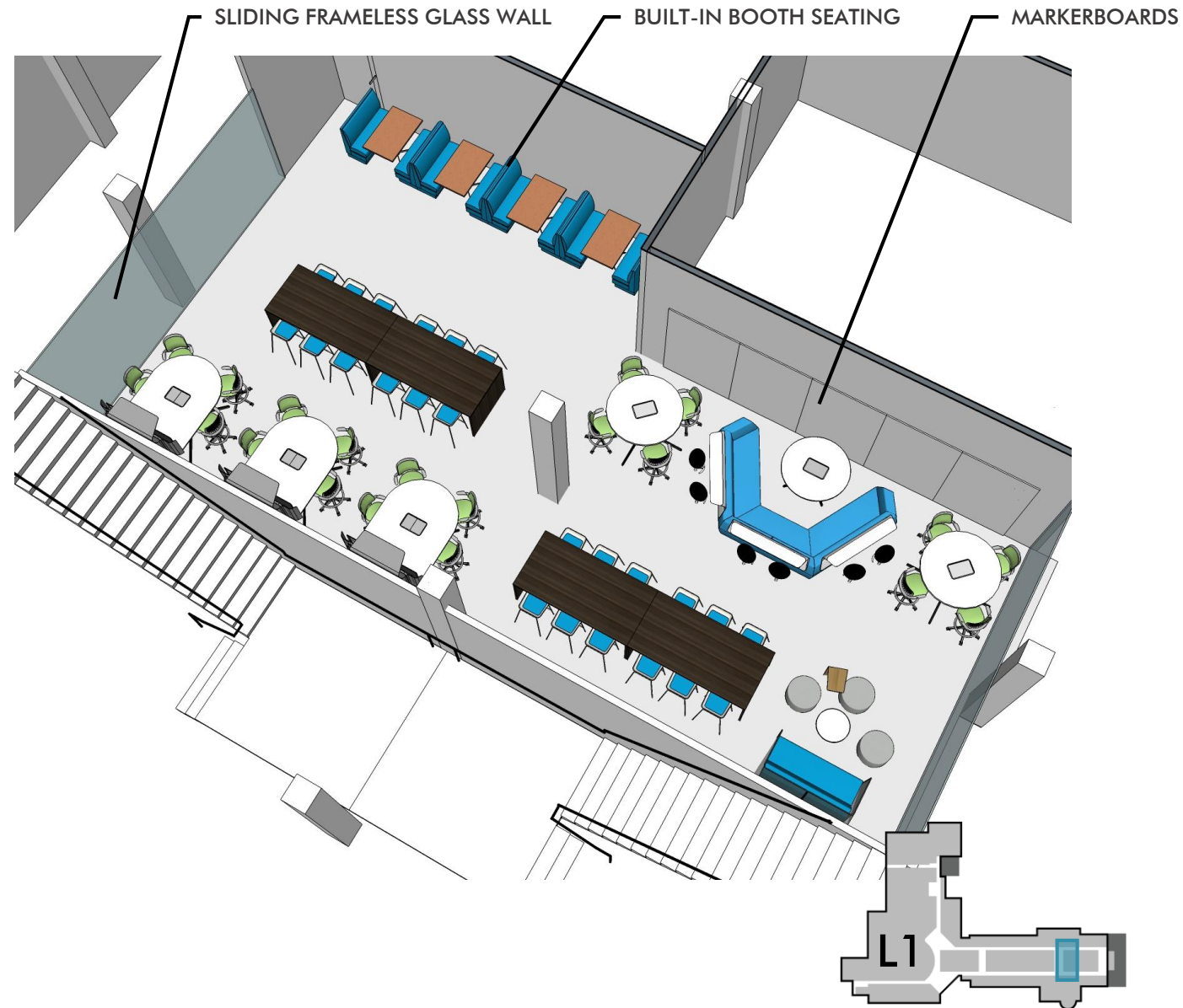
SELF CHECK-OUT

MEDIA COMMONS

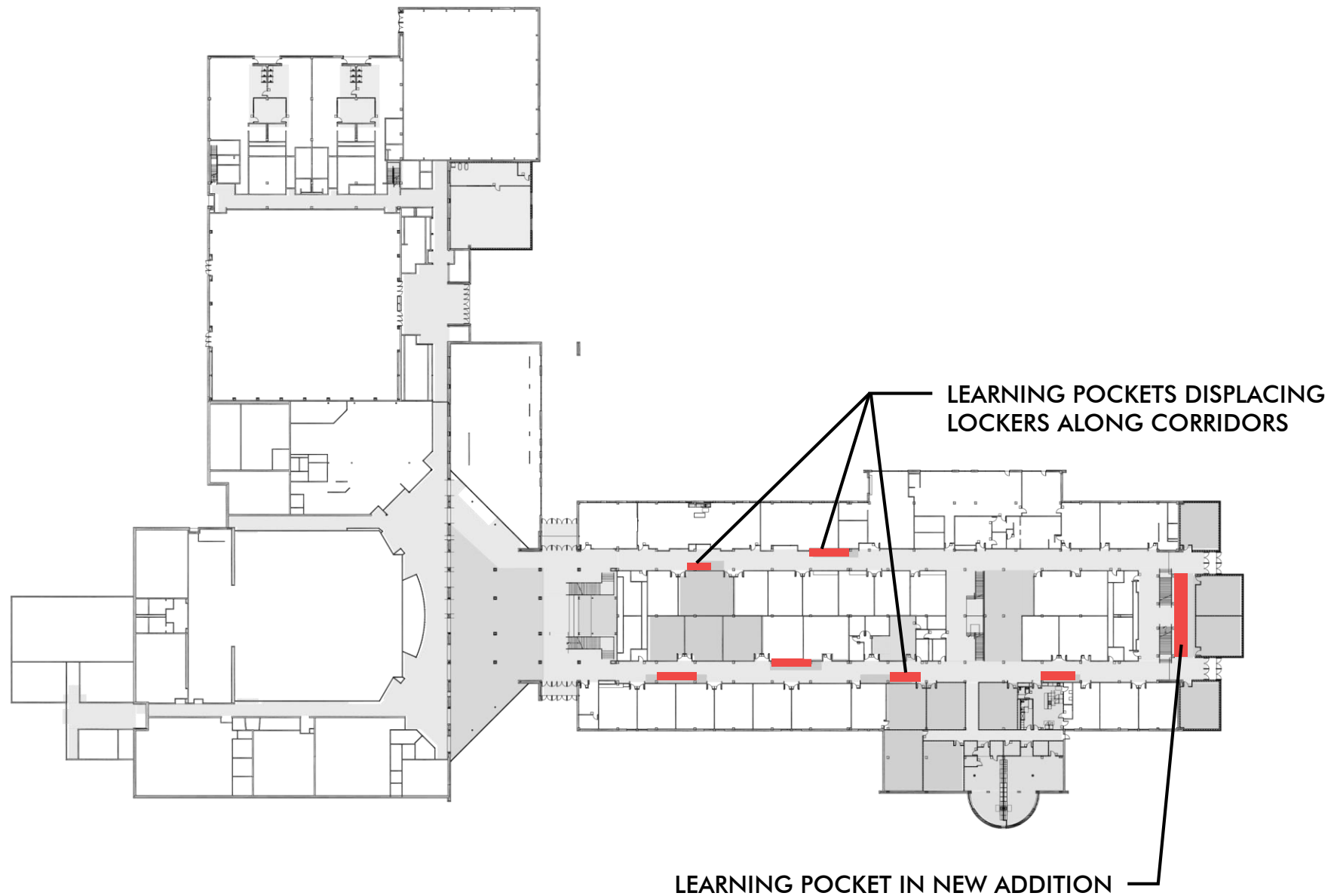




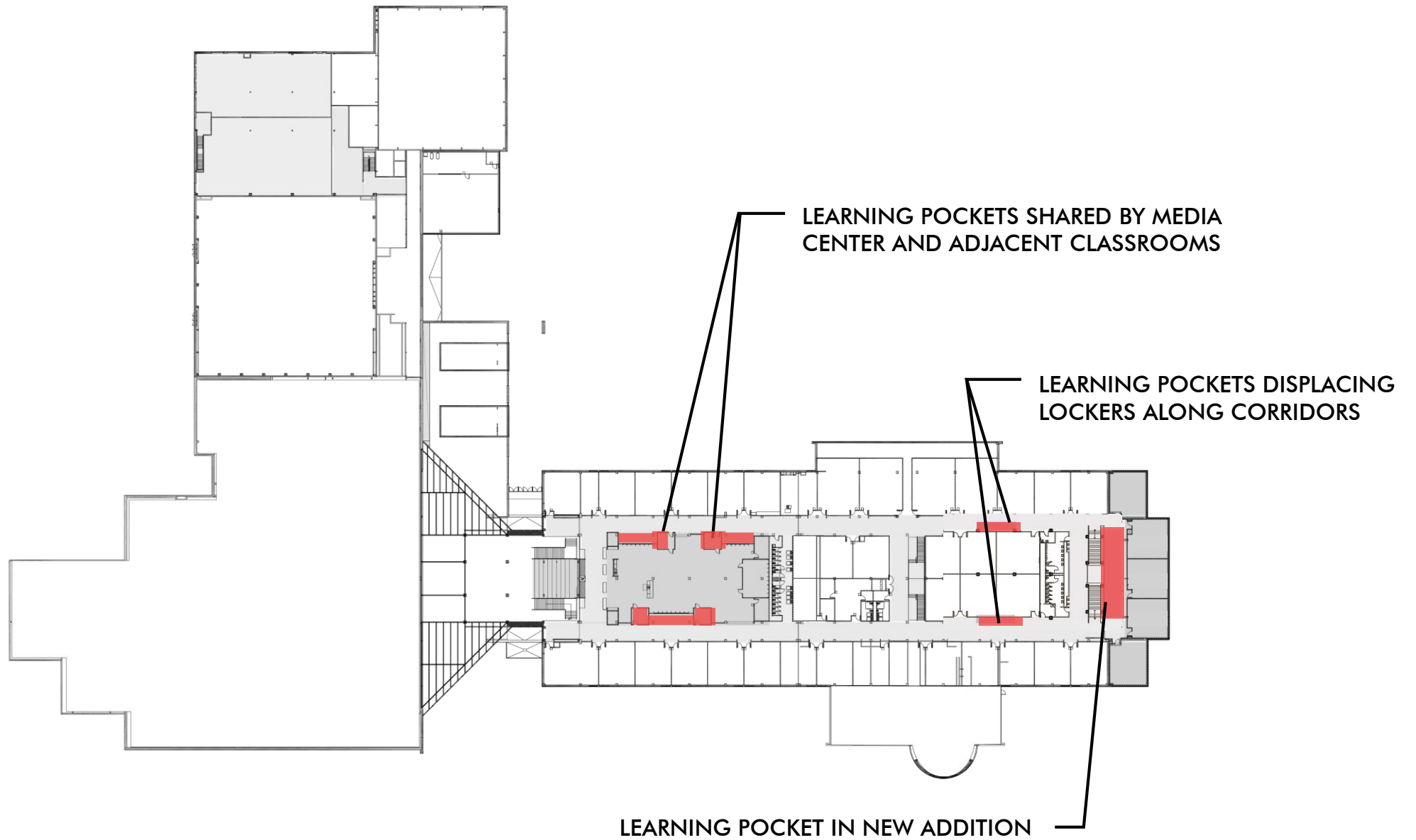
LEARNING COMMONS



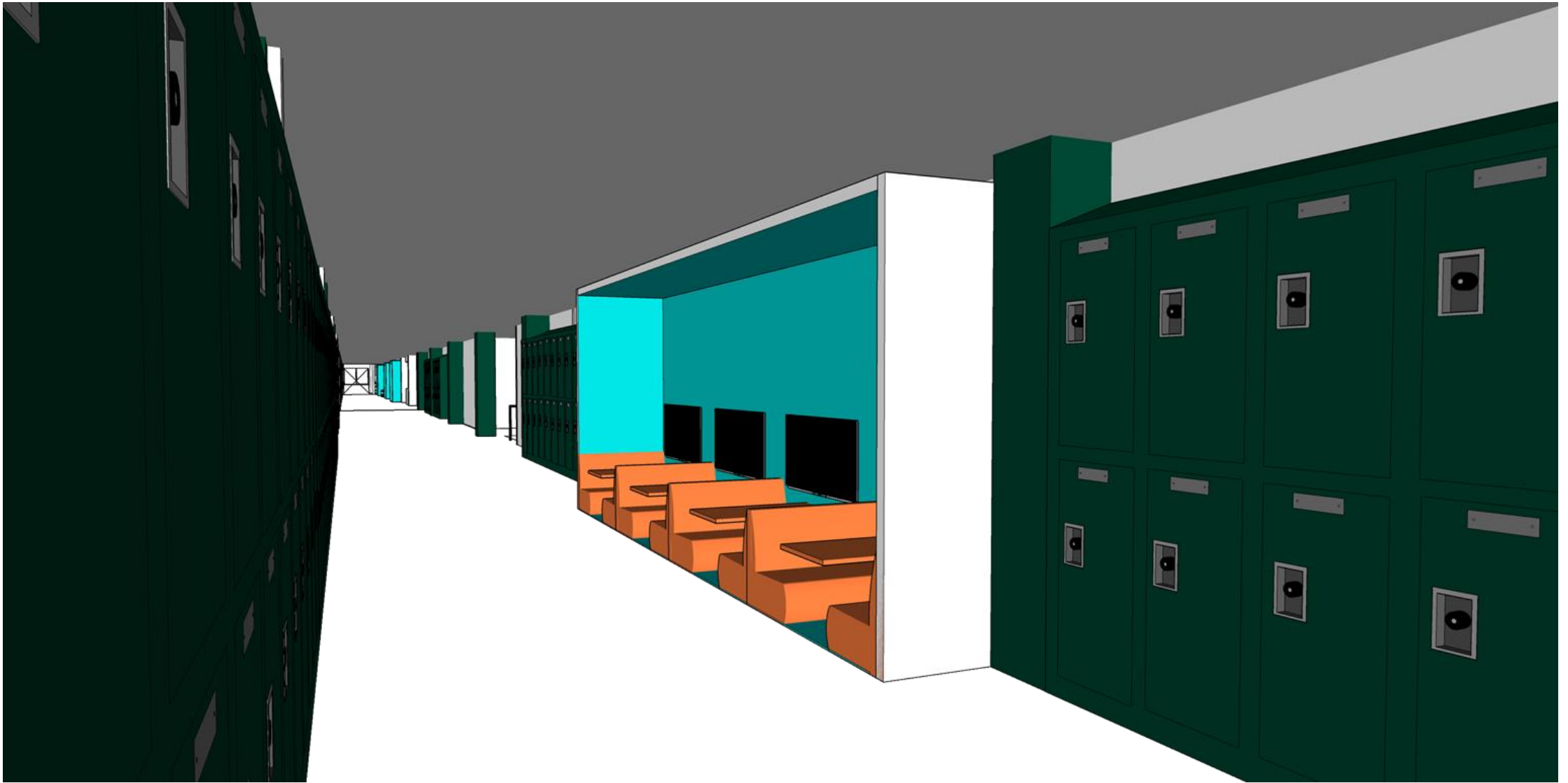
ENLARGED PLAN – LEARNING COMMONS



LEARNING POCKETS – level 1



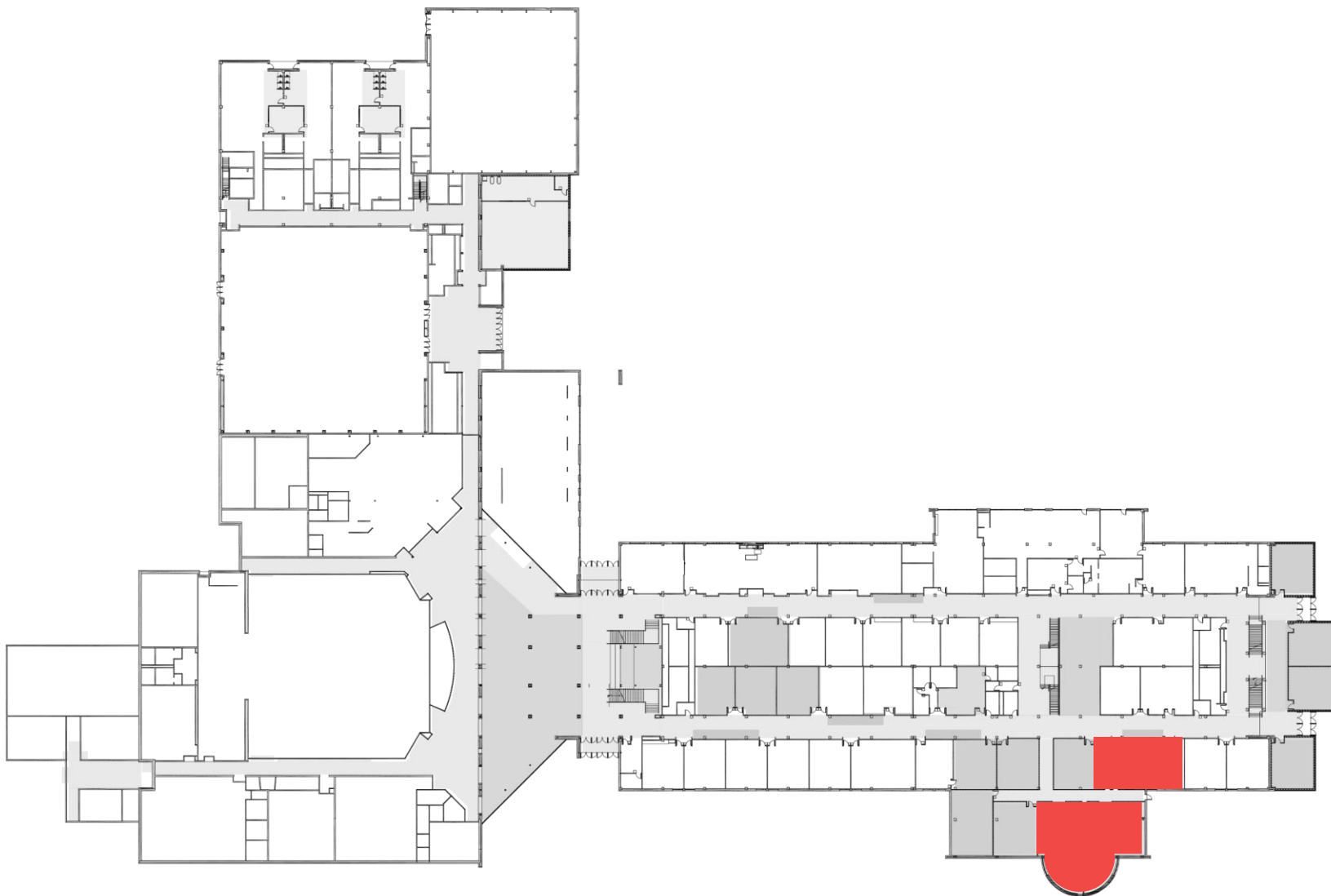
LEARNING POCKETS – level 2



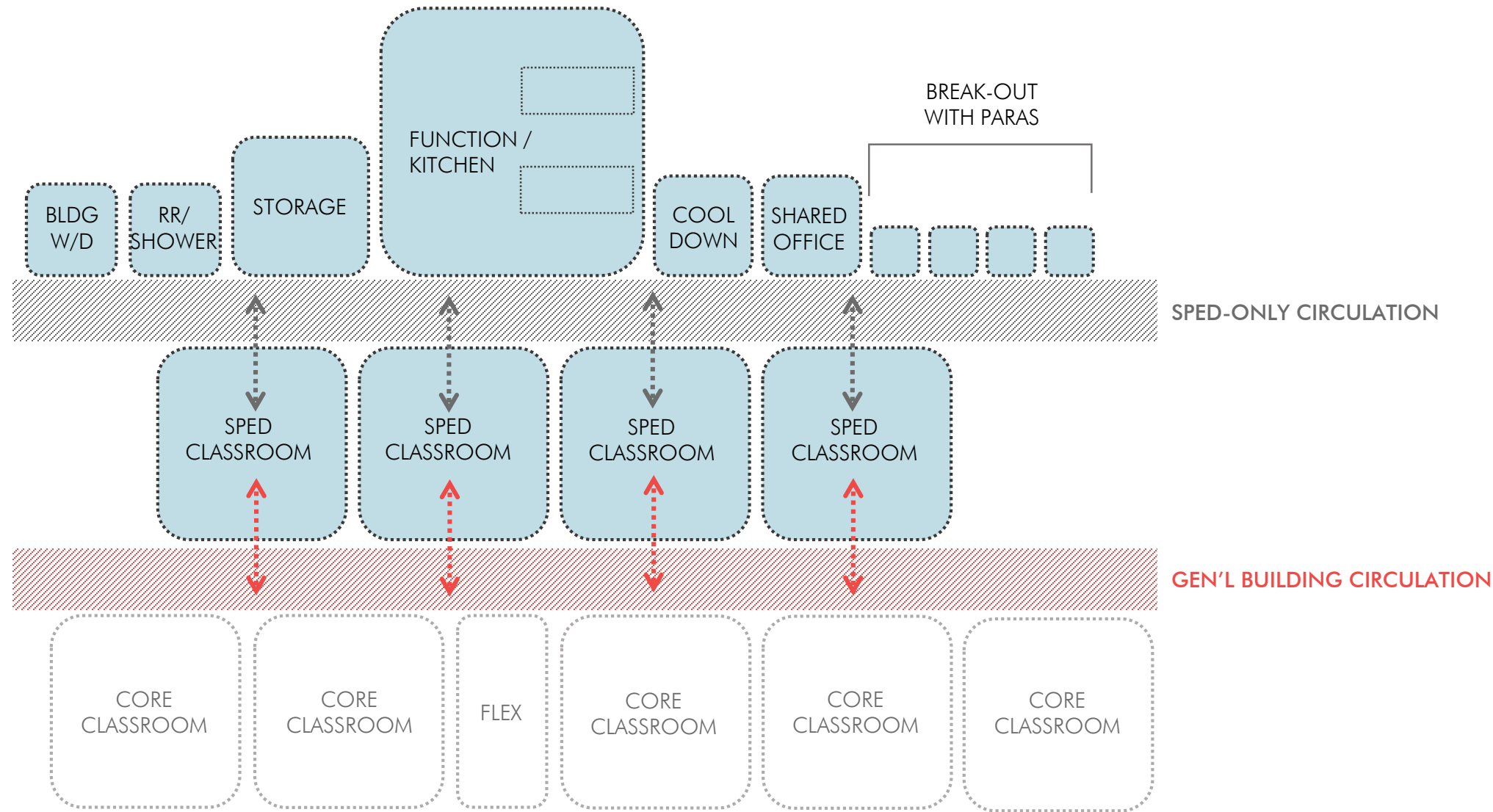
CORRIDOR LEARNING POCKETS



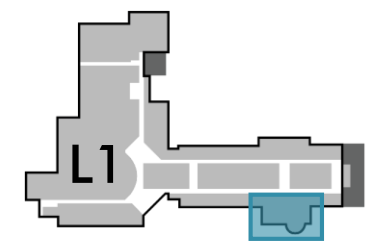
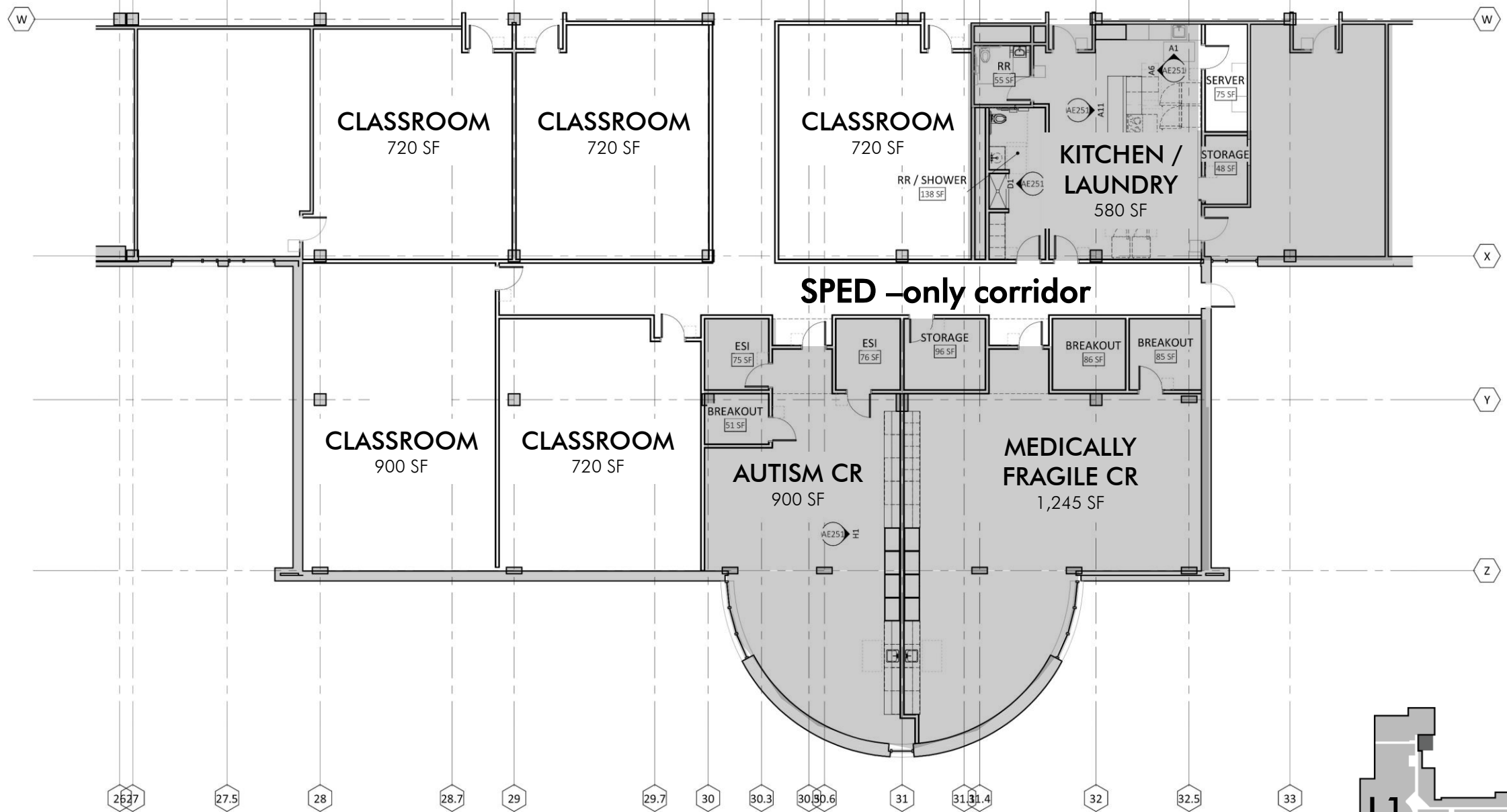
CORRIDOR LEARNING POCKETS

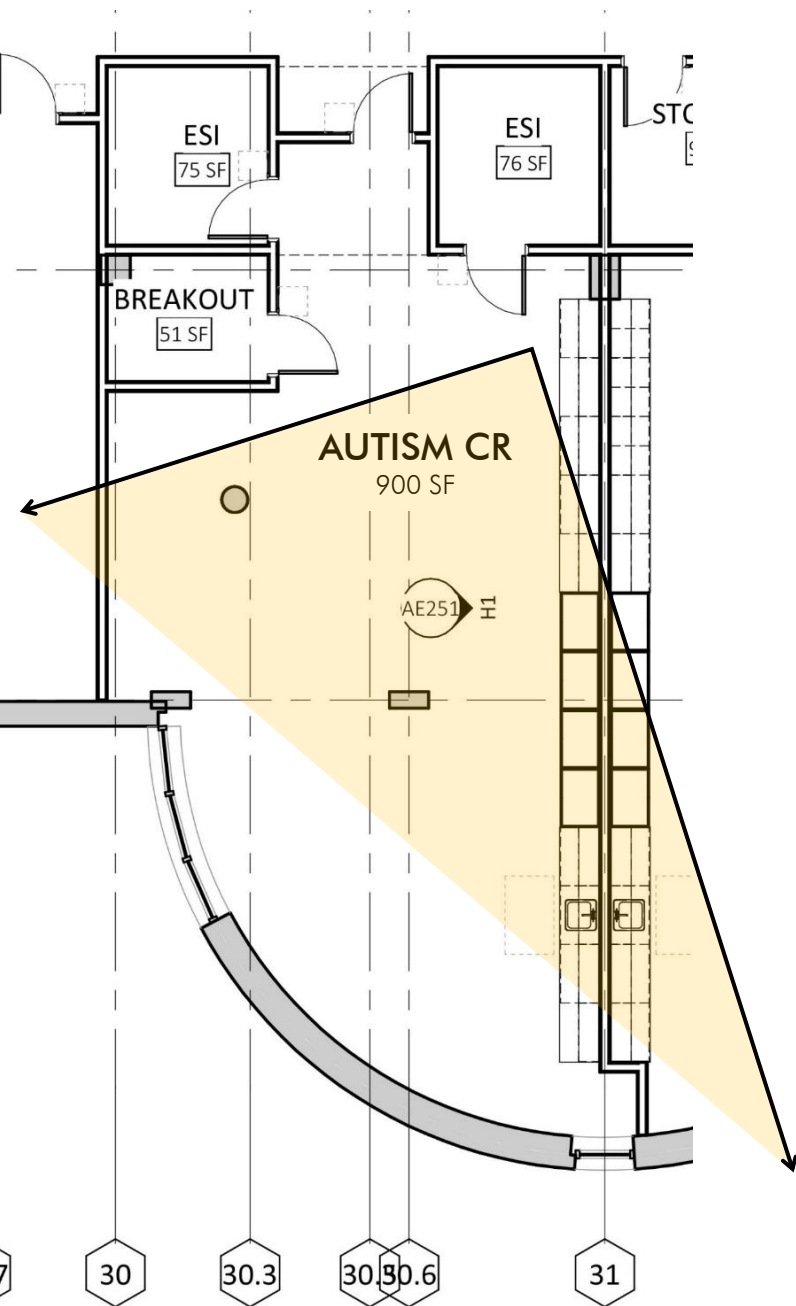


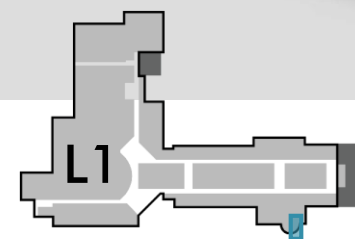
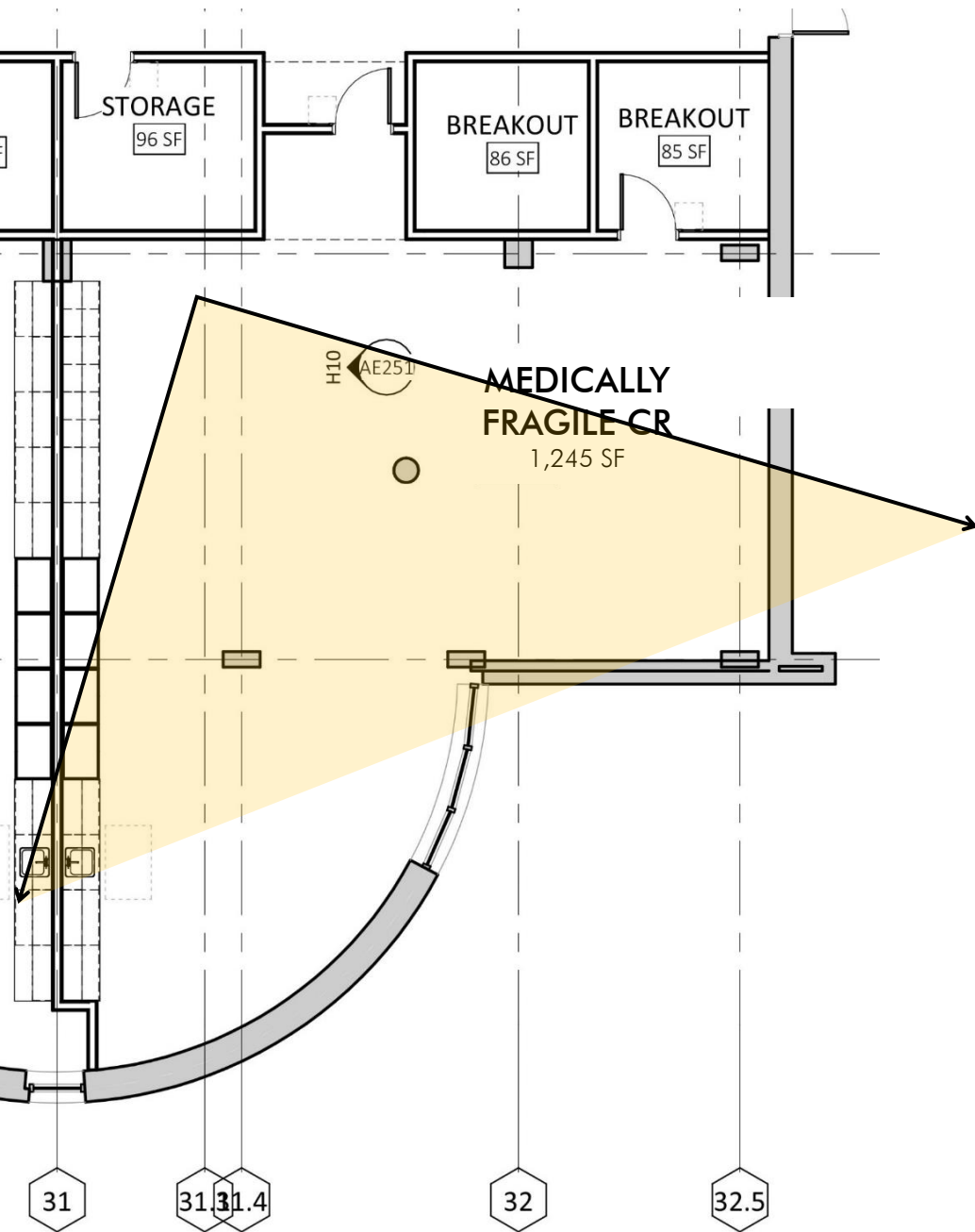
SPED

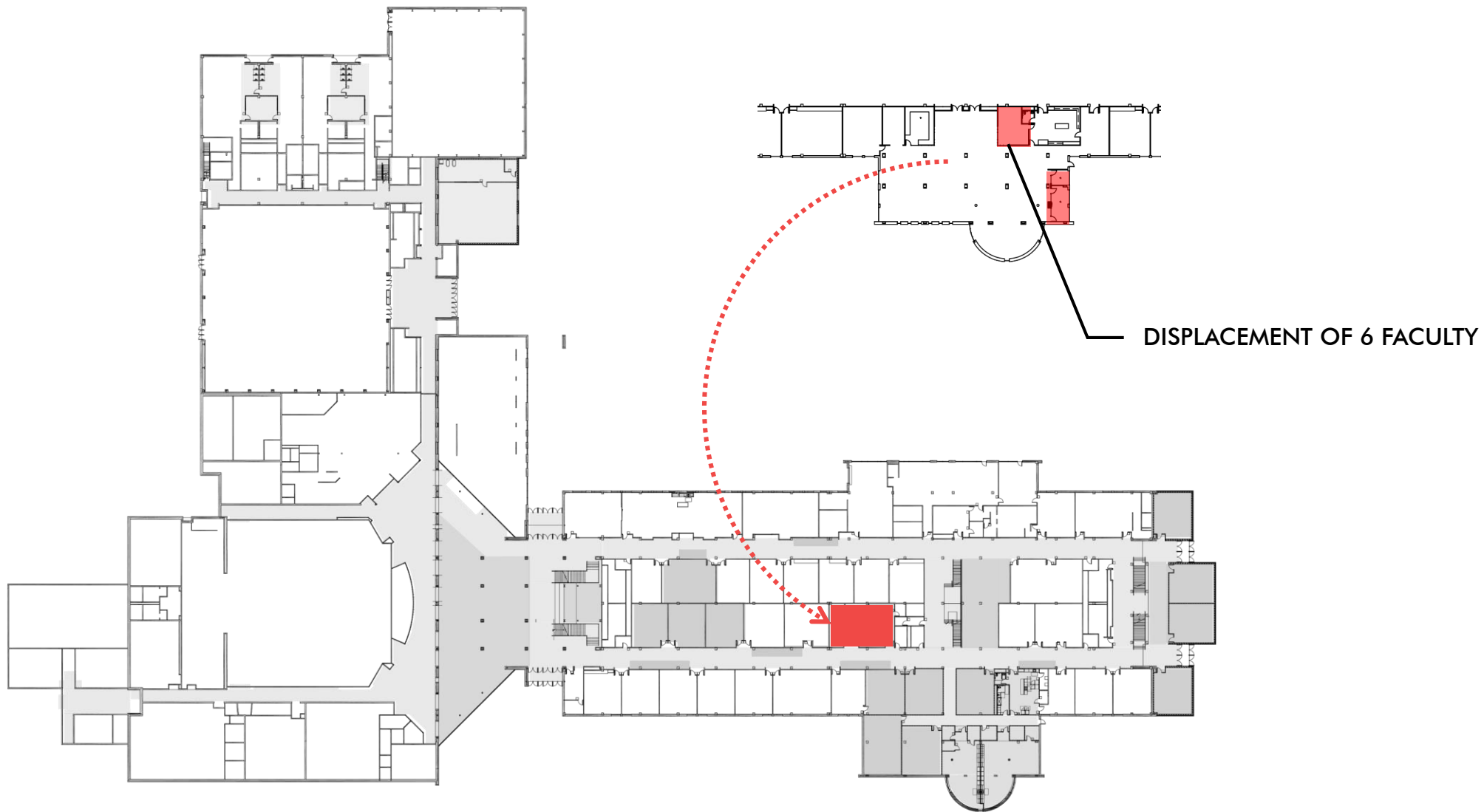


SPED CONCEPTUAL DIAGRAM - PROPOSED

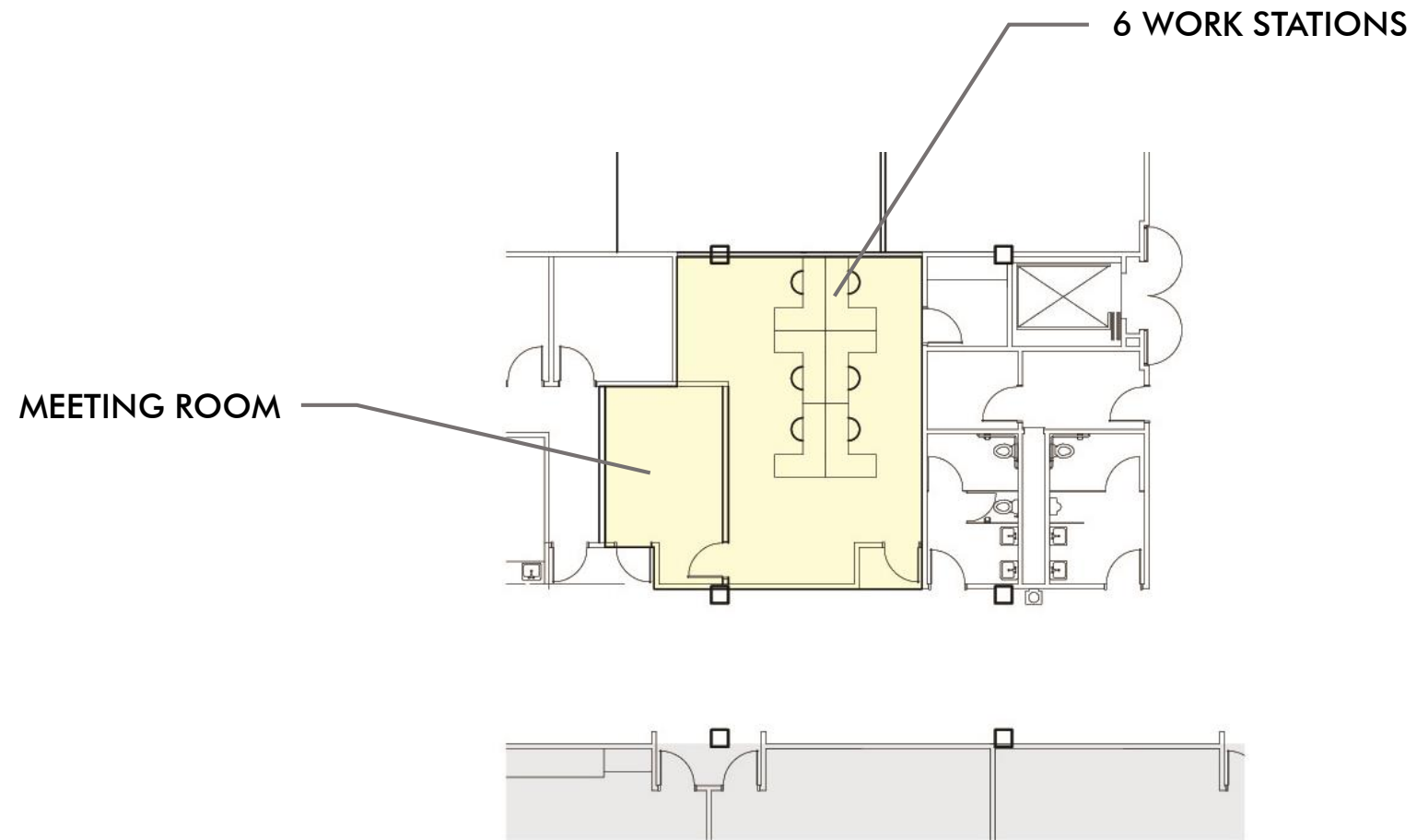


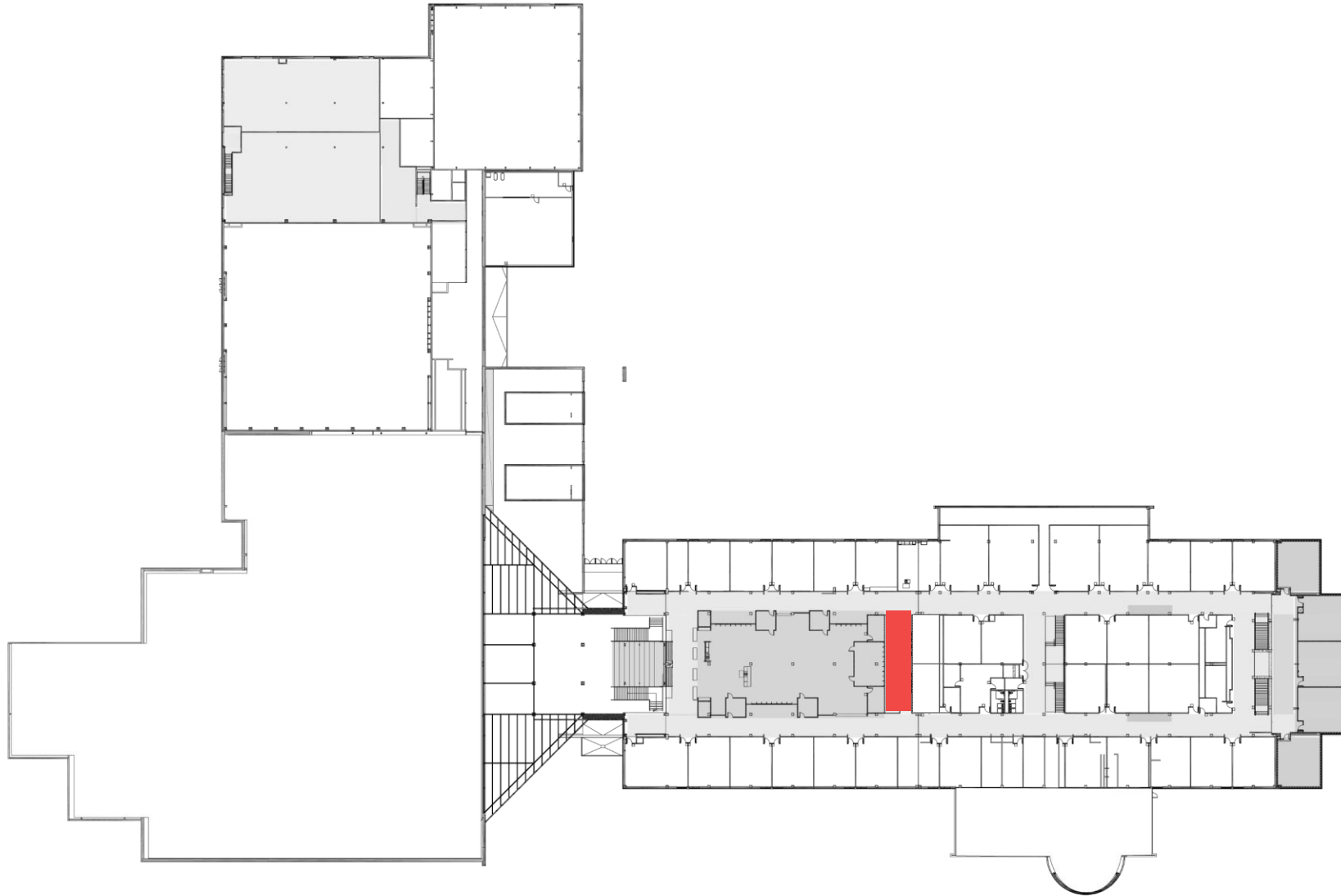




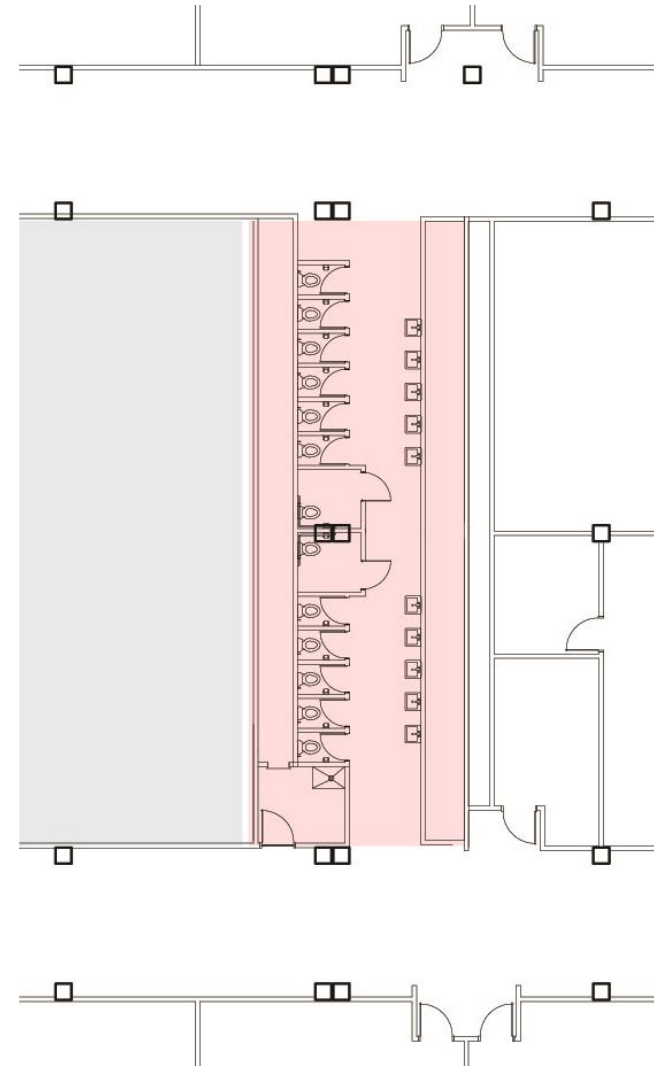


FACULTY OFFICES

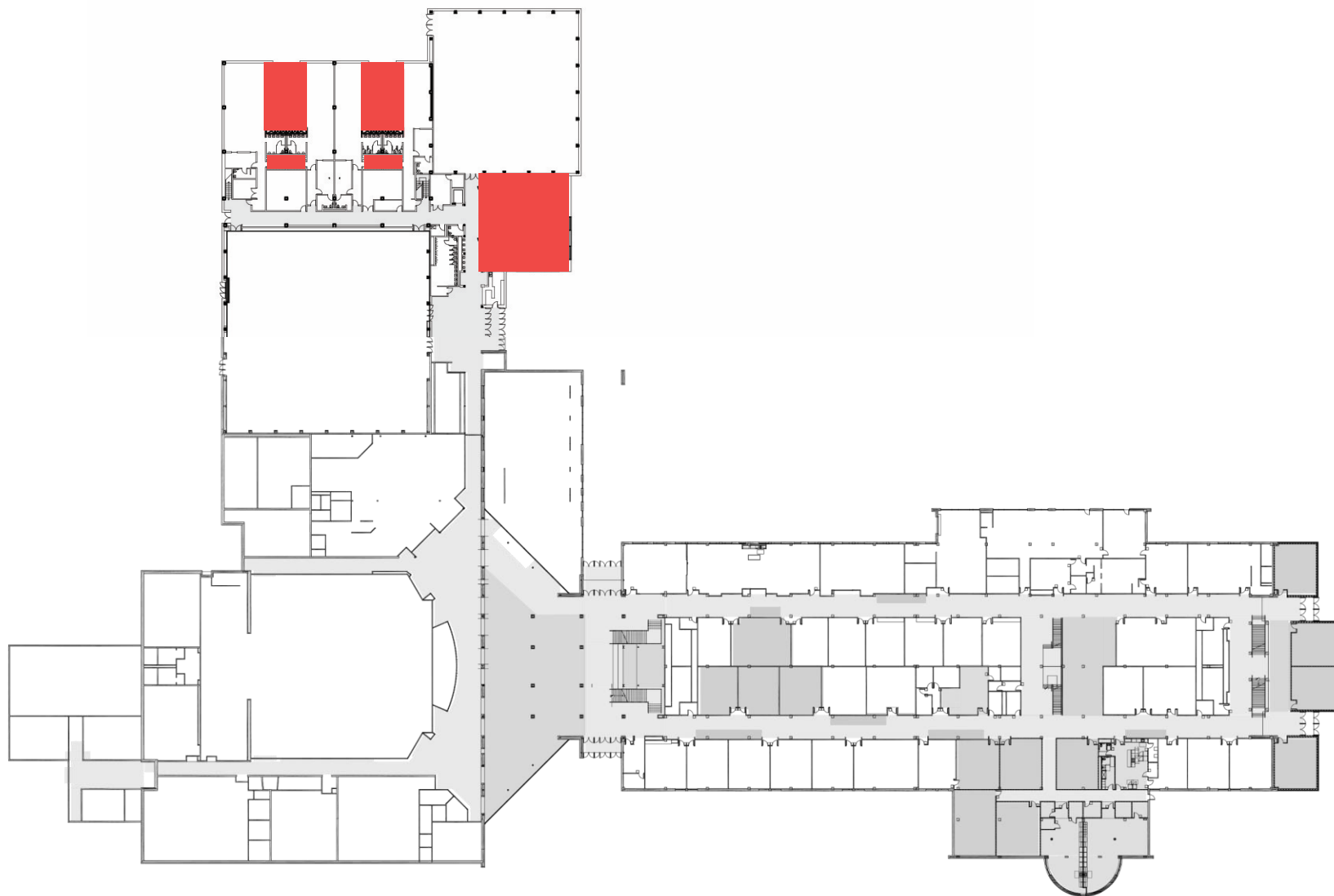




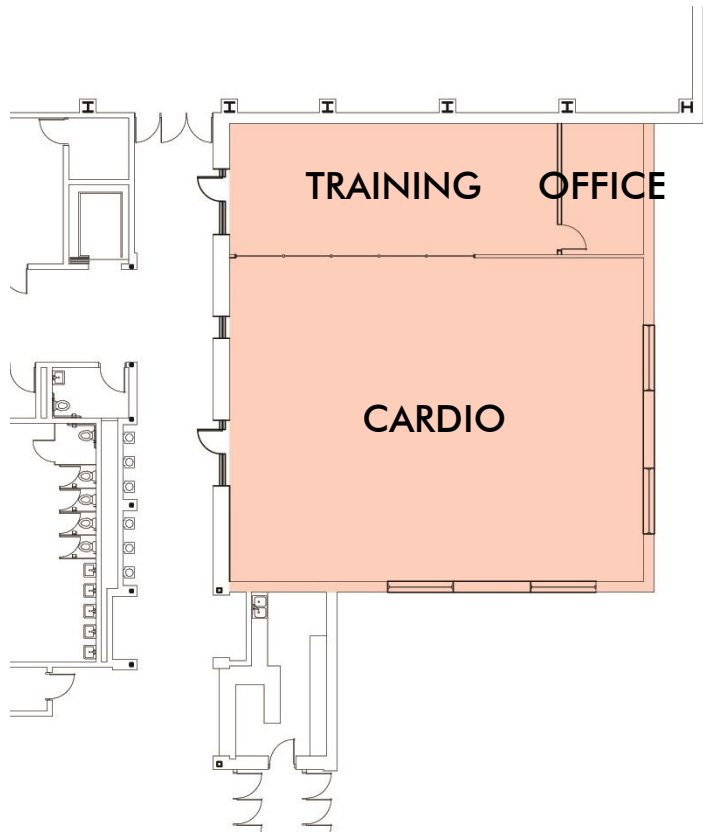
ALL-GENDER FACILITIES



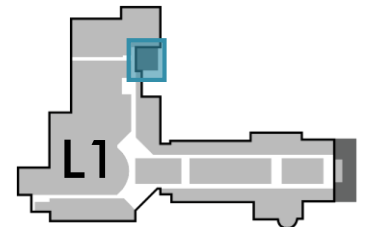
ALL-GENDER FACILITIES



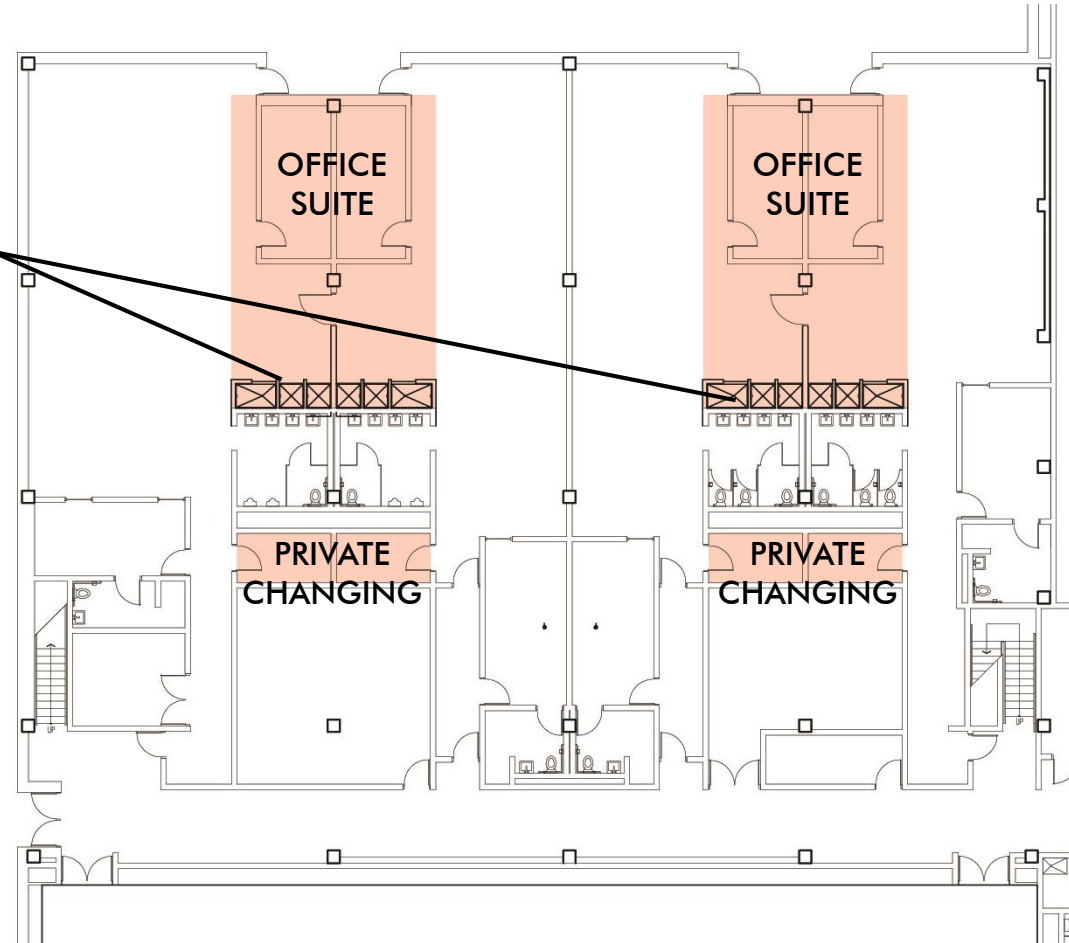
ATHLETICS



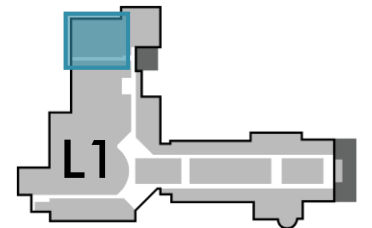
CARDIO / TRAINING ADDITION

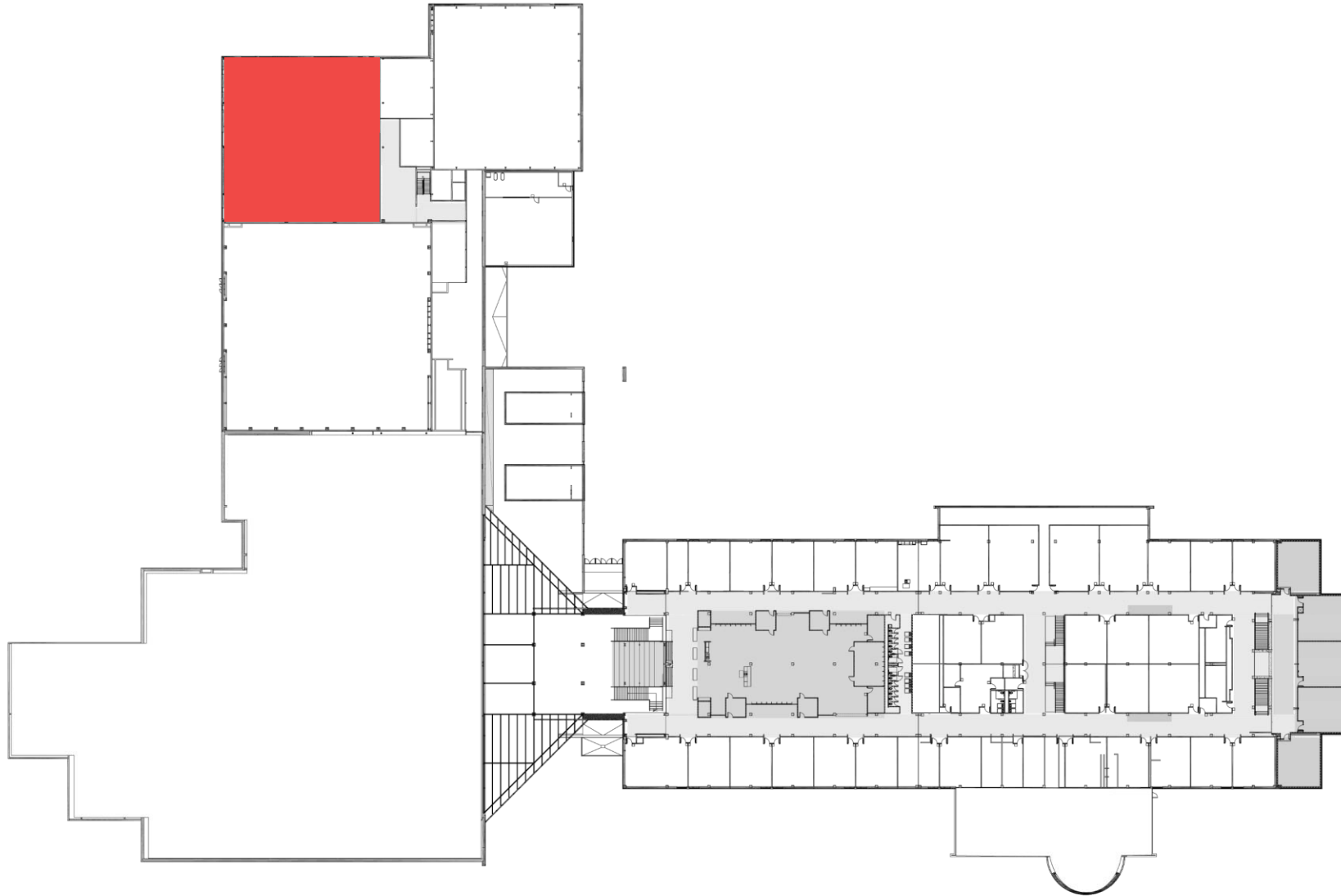


INDIVIDUAL SHOWER STALLS

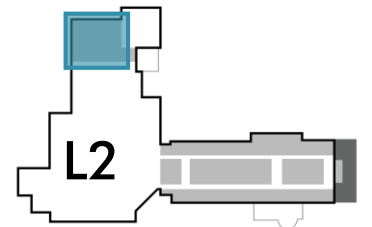


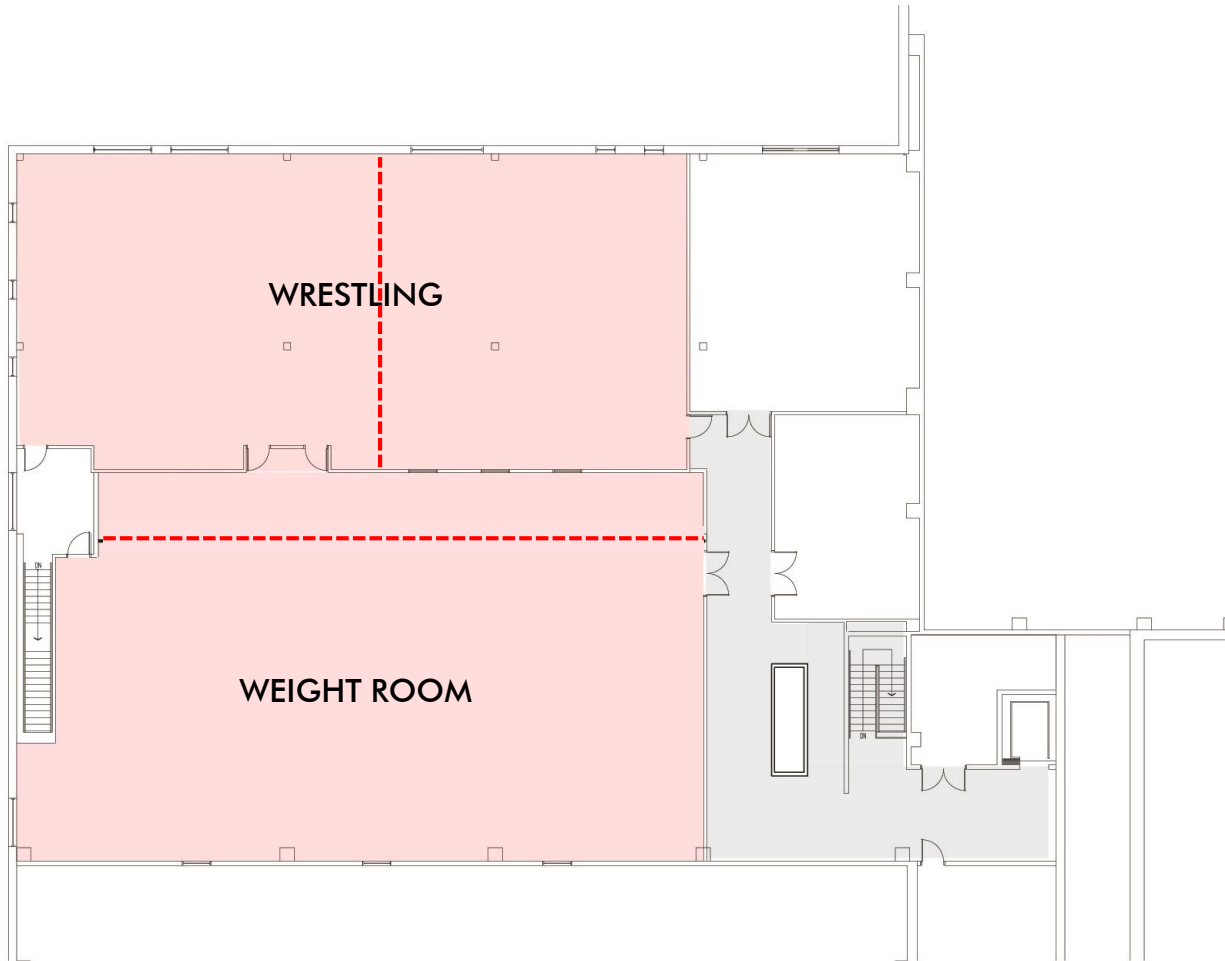
LOCKER ROOM RENOVATIONS



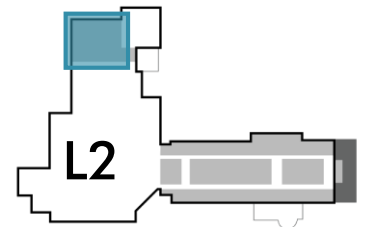


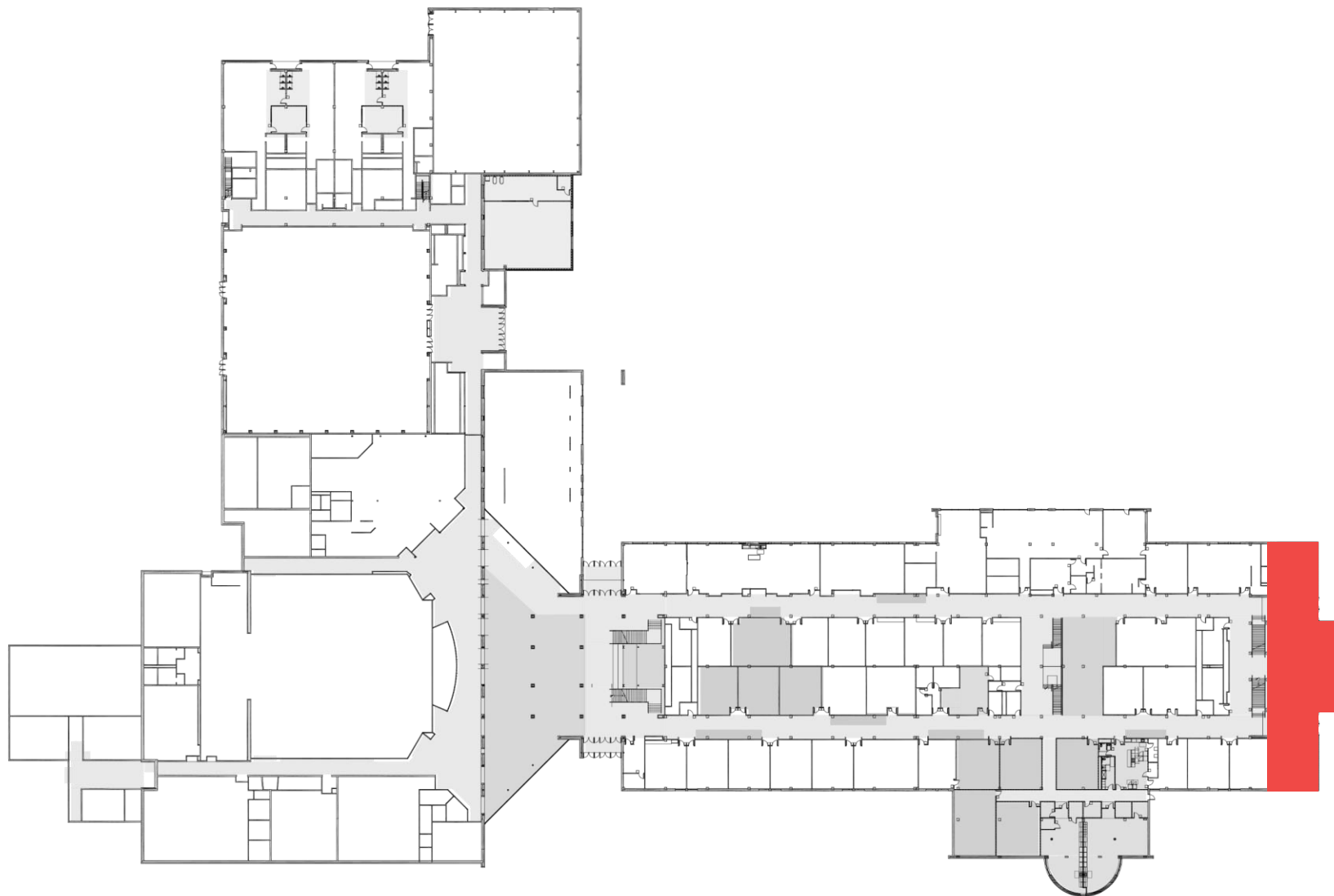
WEIGHT ROOM & WRESTLING ROOM EXPANSIONS



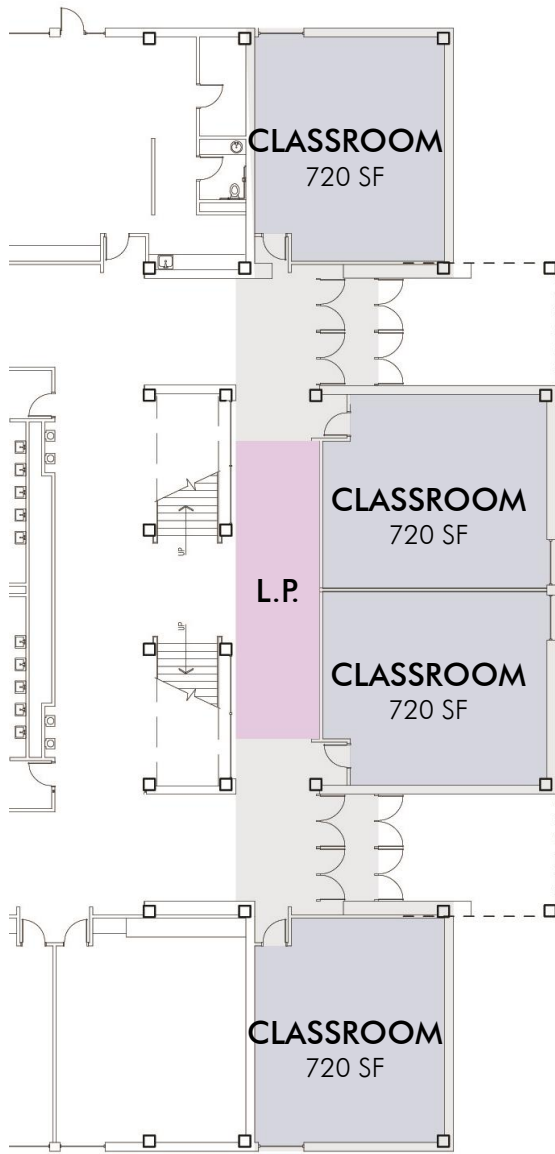


WEIGHT ROOM & WRESTLING ROOM EXPANSIONS

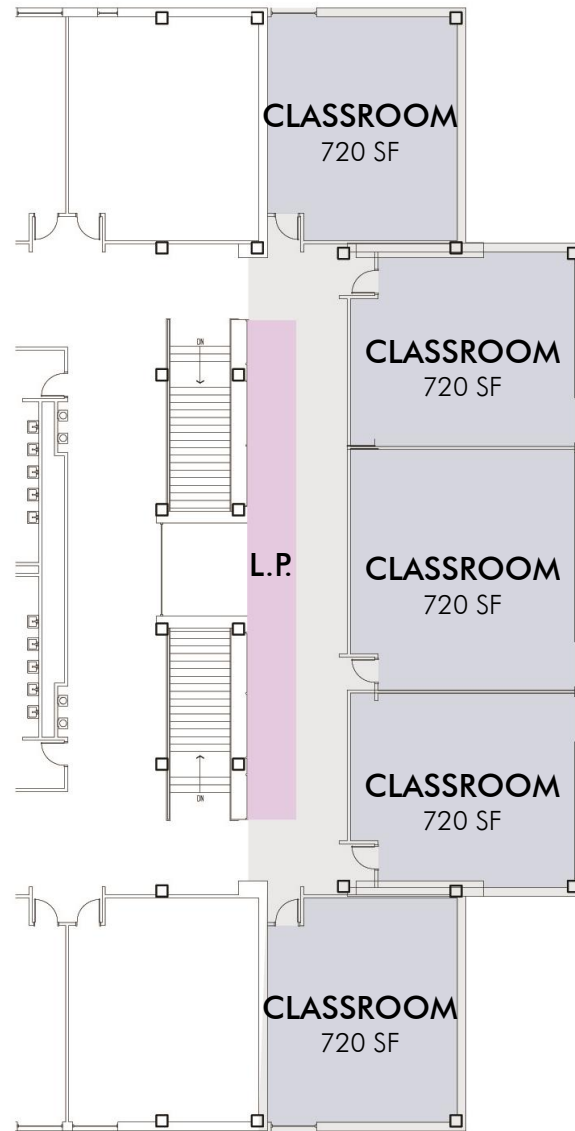




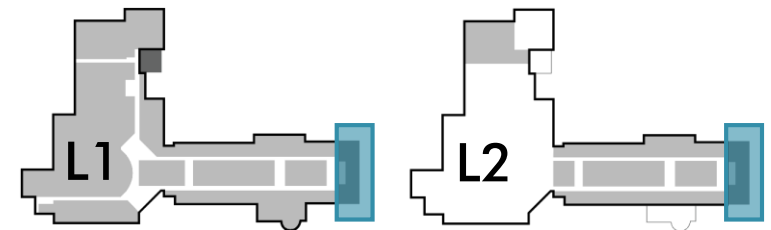
ADDITION (NET +8 CLASSROOMS)



Level 1



Level 2



LOCKER ROOM UPGRADES

3000sf CARDIO / TRAINING ADDITION

LEARNING COMMONS

LEARNING POCKETS

NET+8 CLASSROOM ADDITION

MEDIA STAIR

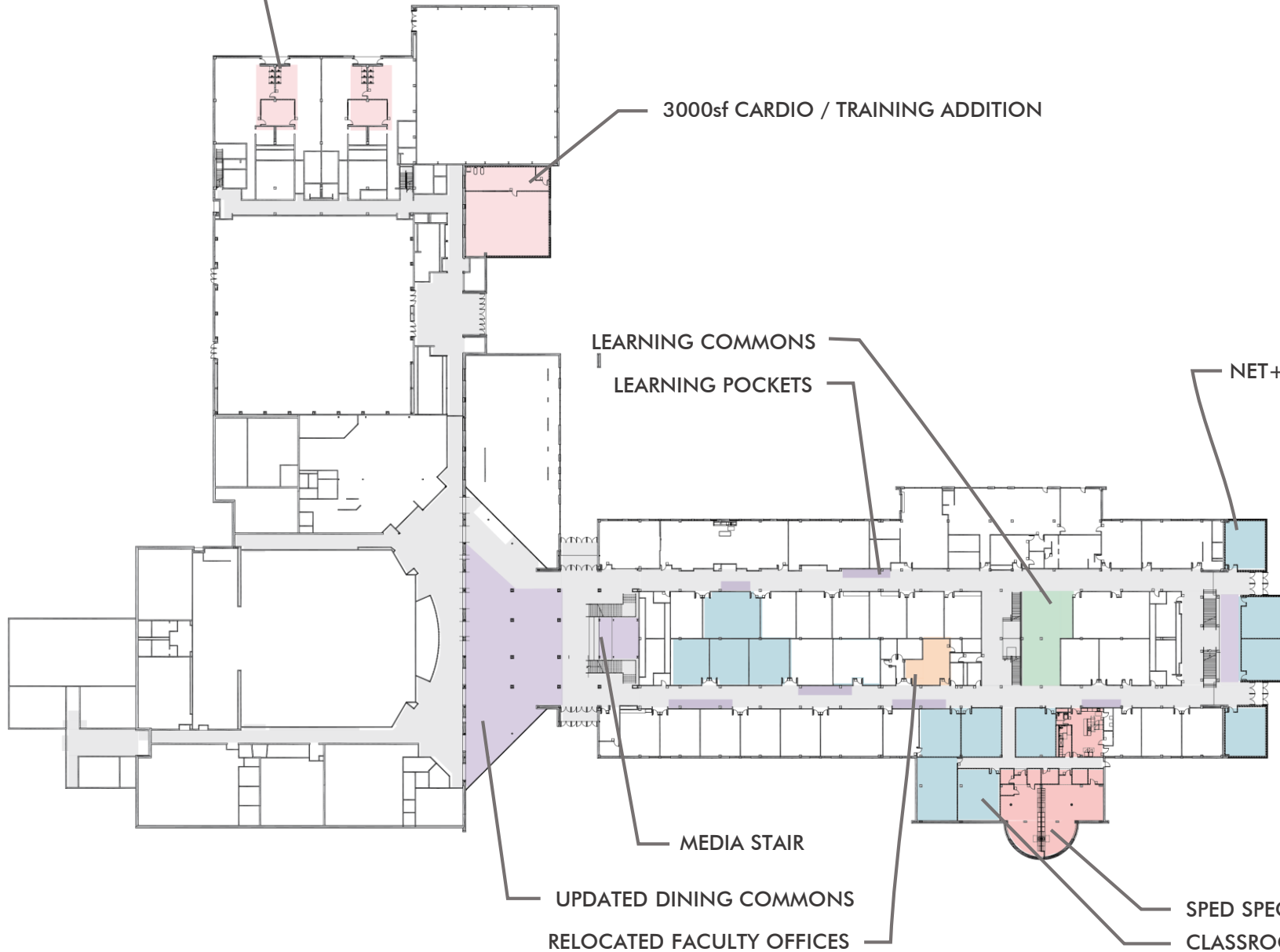
UPDATED DINING COMMONS

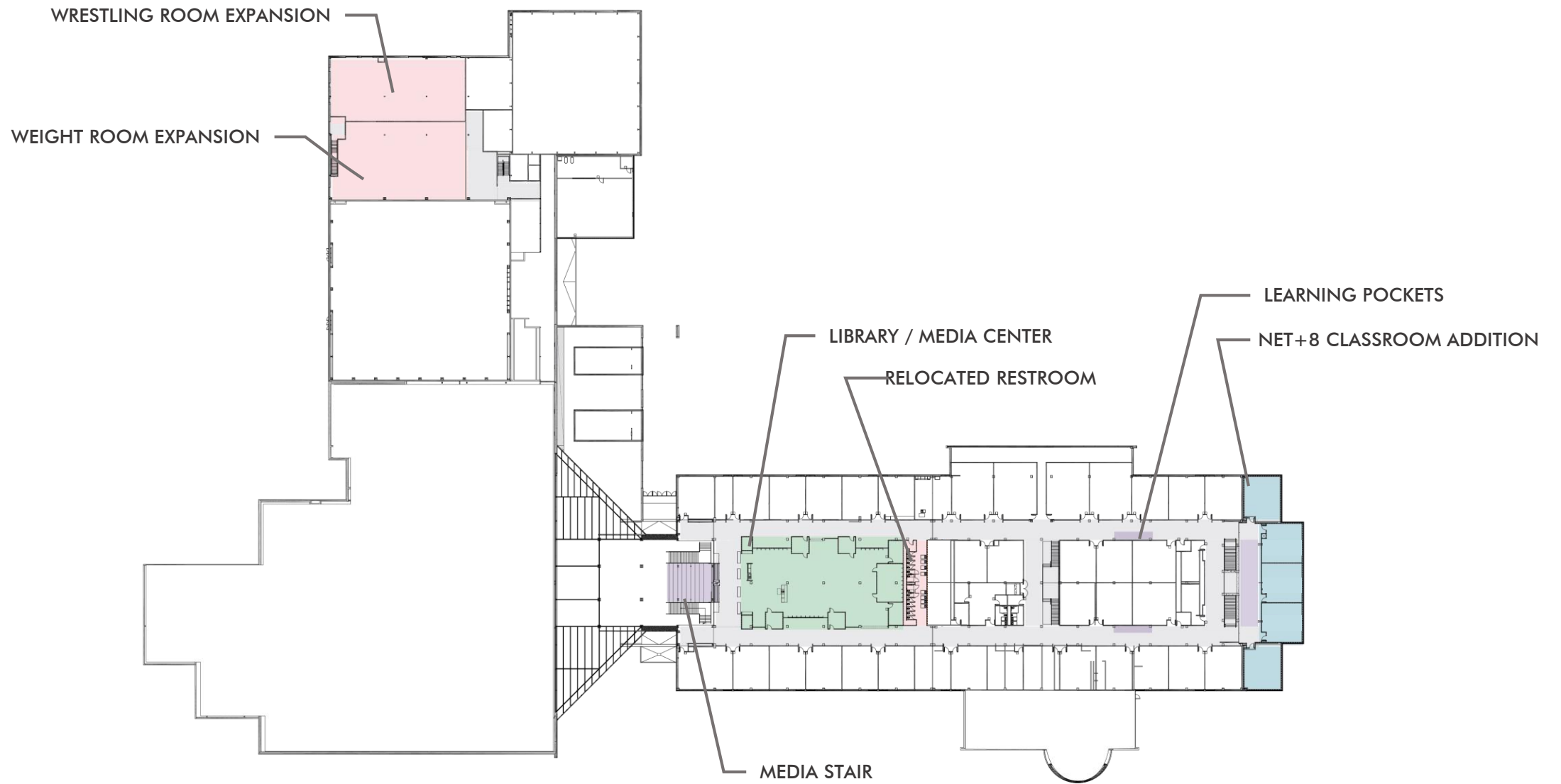
RELOCATED FACULTY OFFICES

SPED SPECIFIC CLASSROOMS

CLASSROOMS

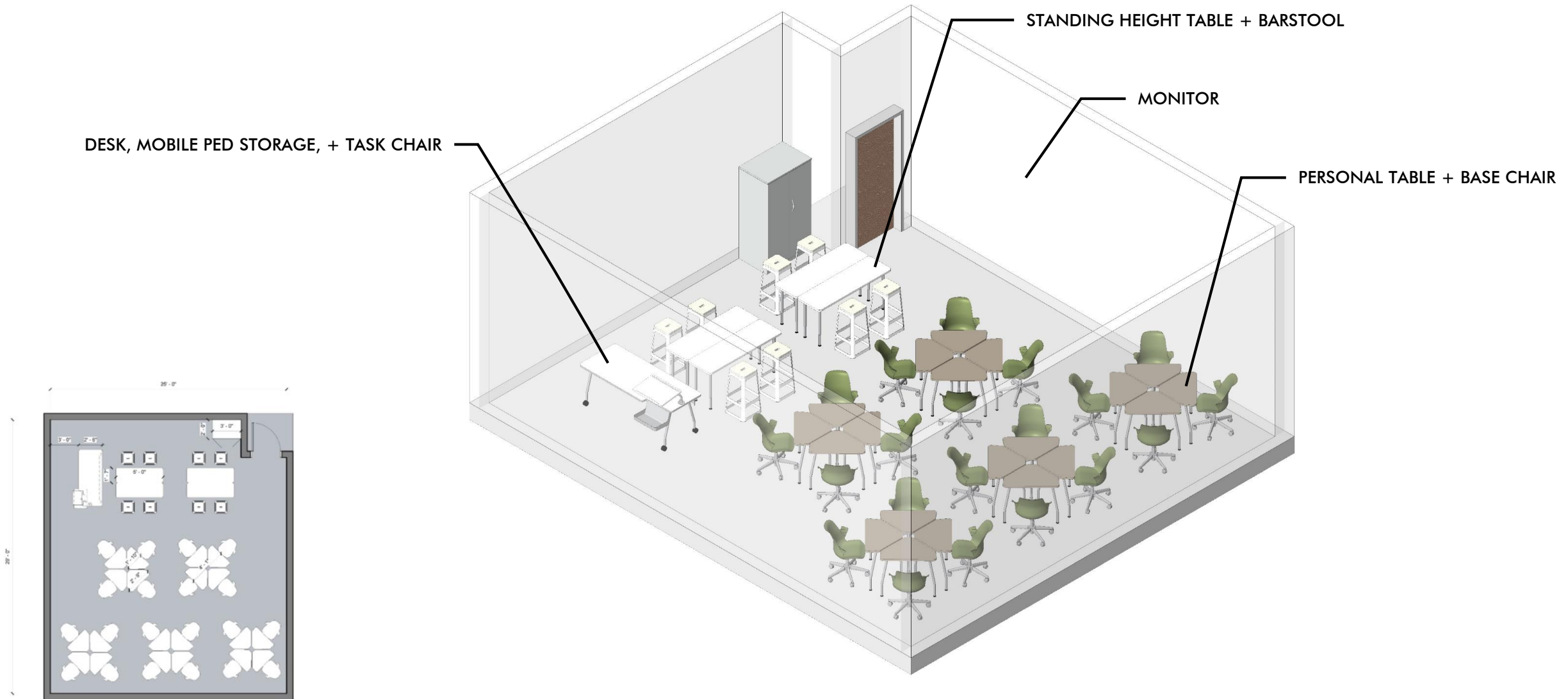
LEVEL 1 PROPOSED



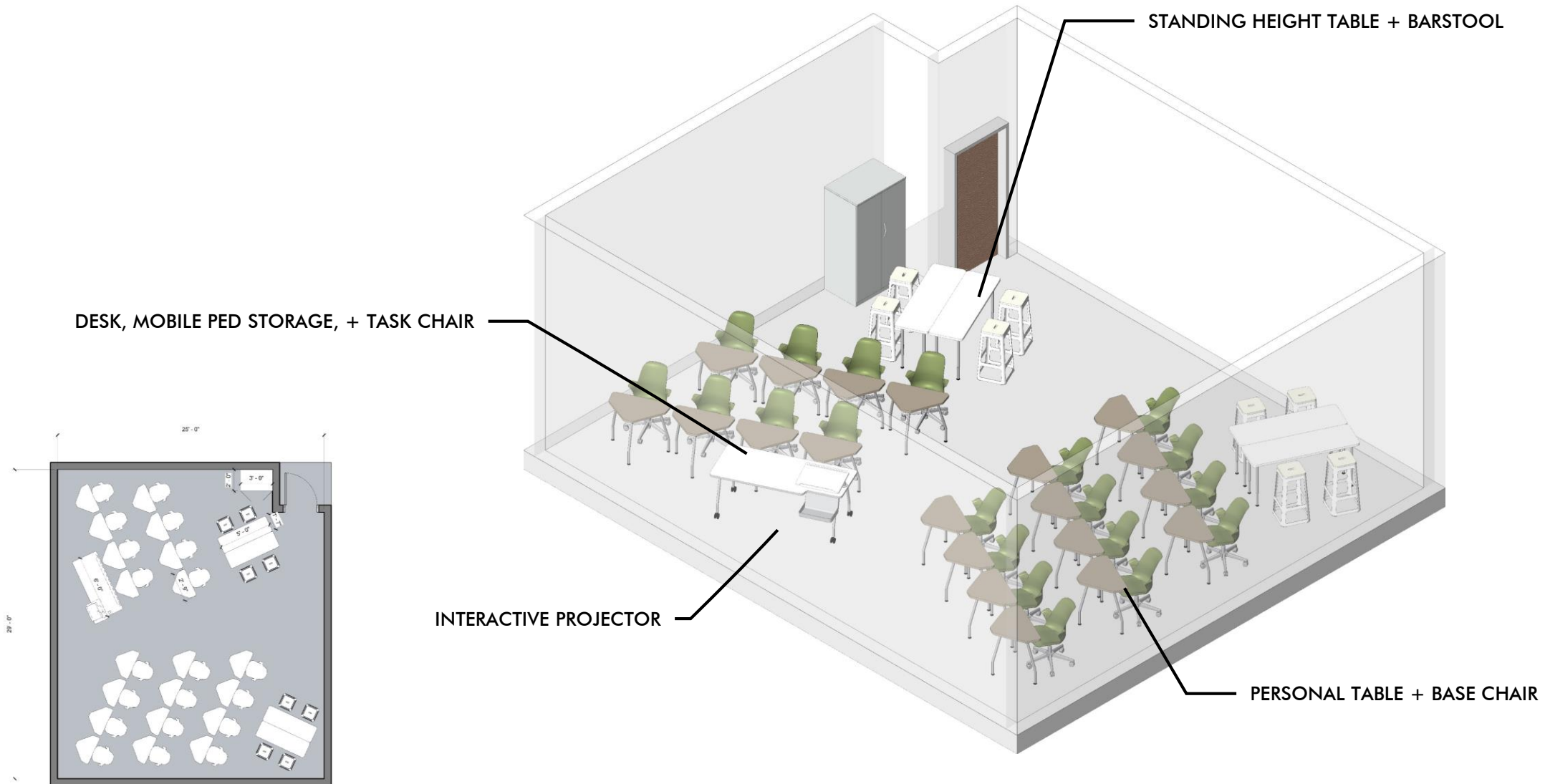


LEVEL 2 PROPOSED

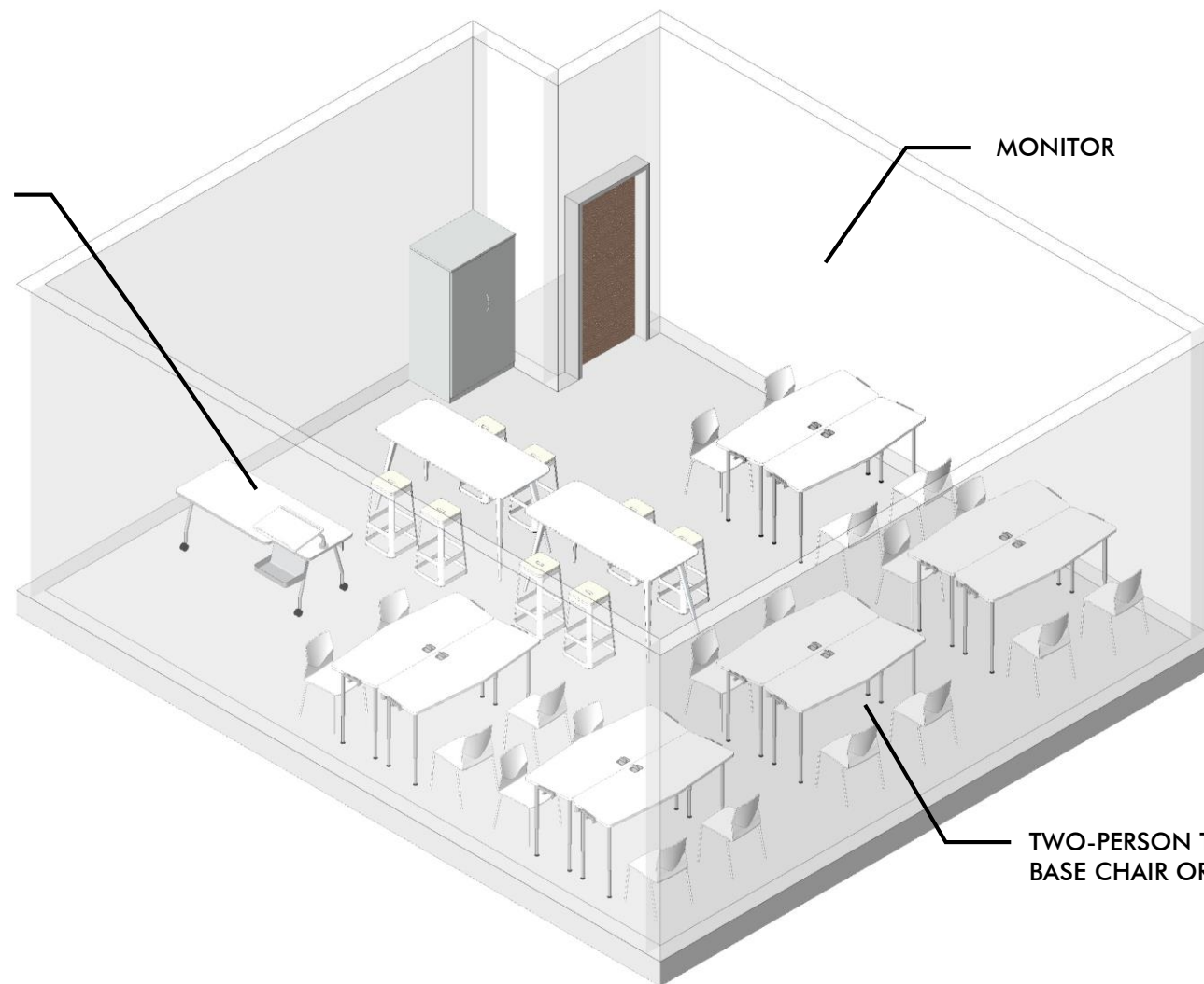
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PERSONAL TABLE, GROUP SETUP



PERSONAL TABLE, LECTURE SETUP

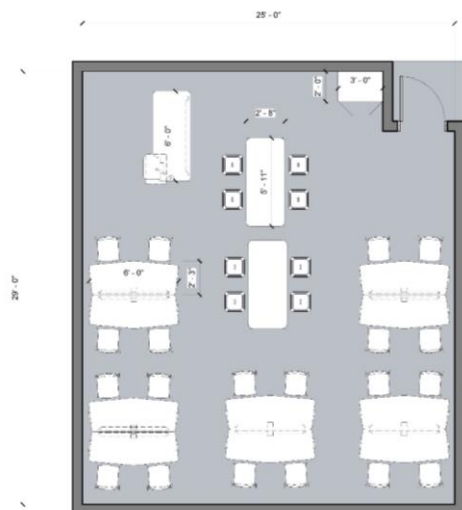


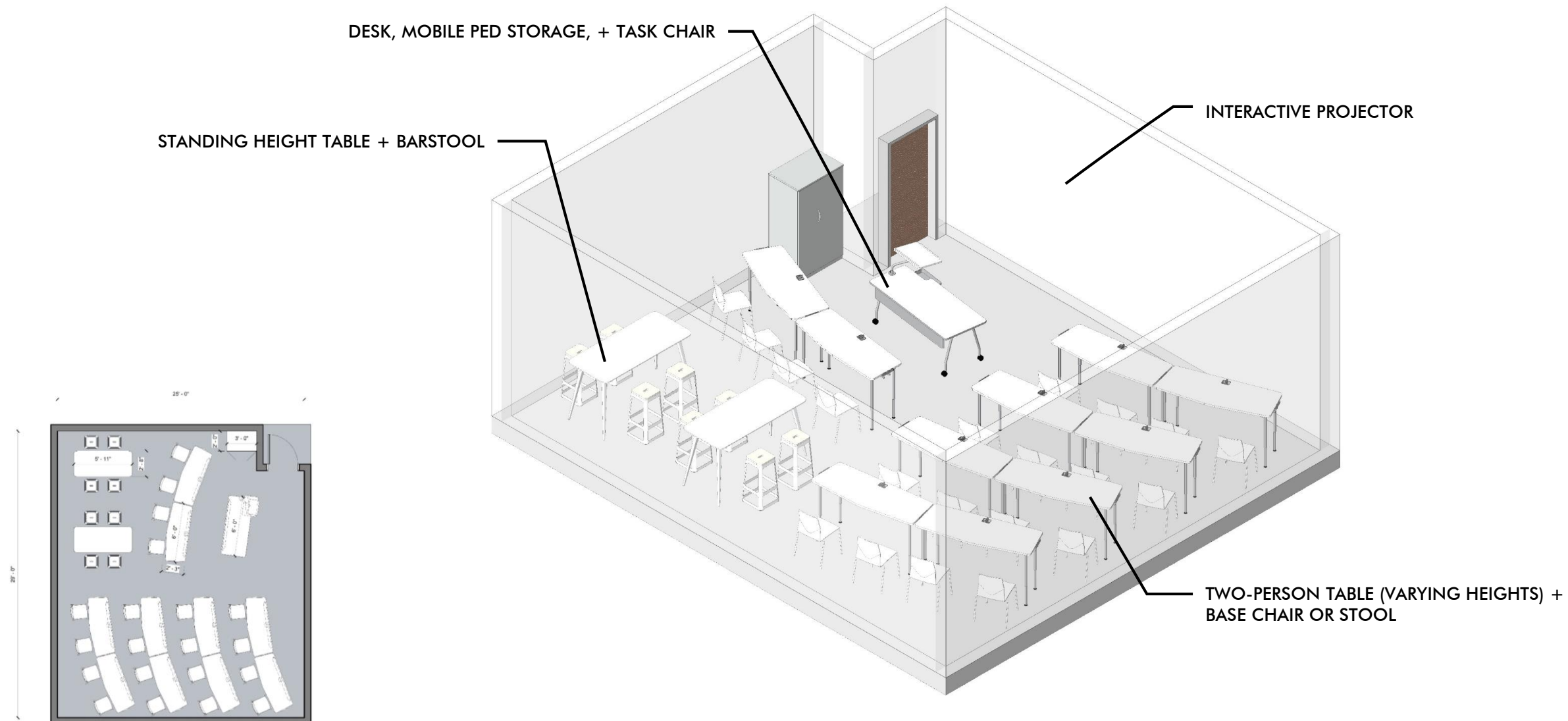
DESK, MOBILE PED STORAGE, + TASK CHAIR

MONITOR

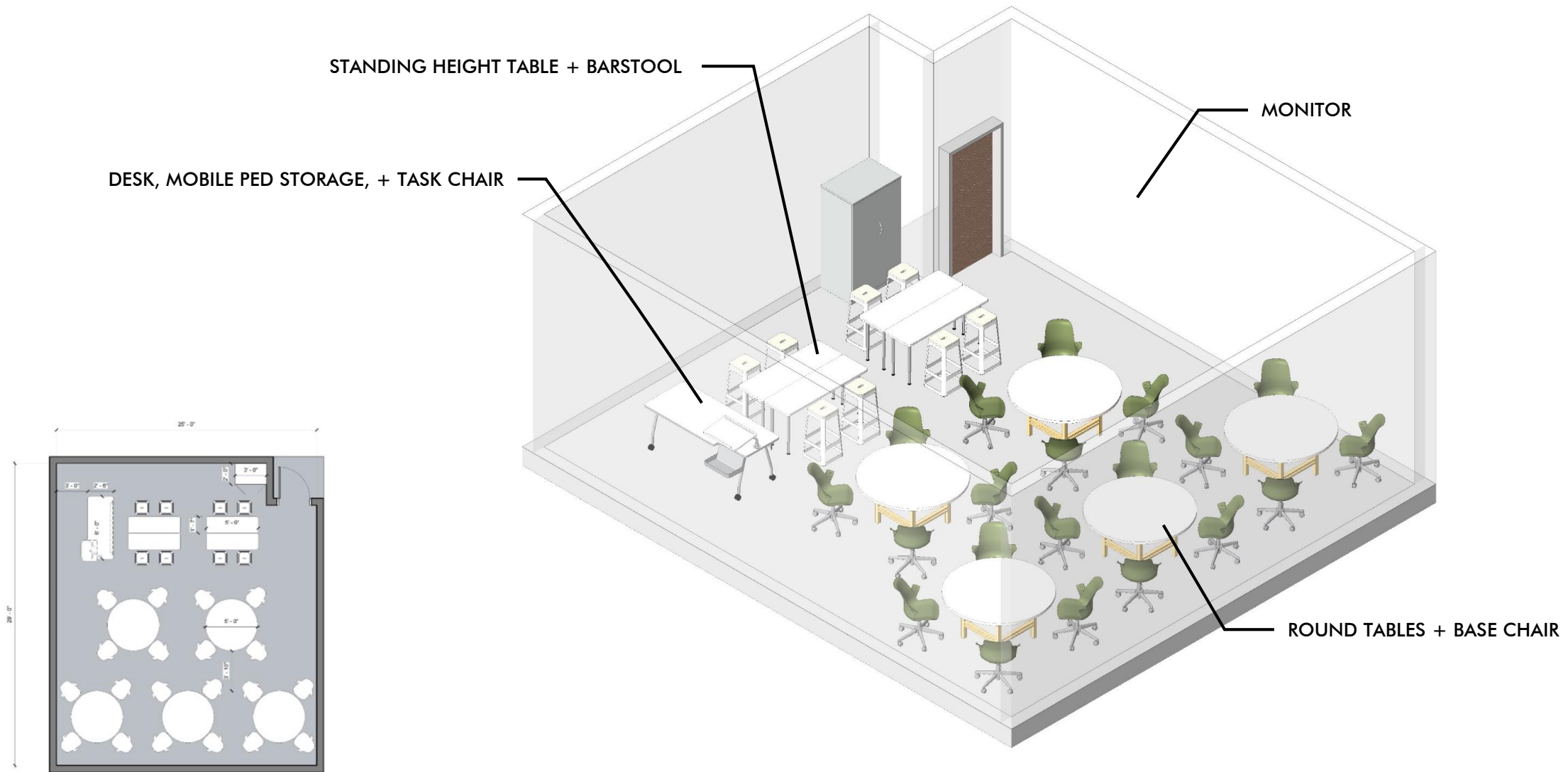
TWO-PERSON TABLE (VARYING HEIGHTS) +
BASE CHAIR OR STOOL

TRAINING TABLE, GROUP SETUP



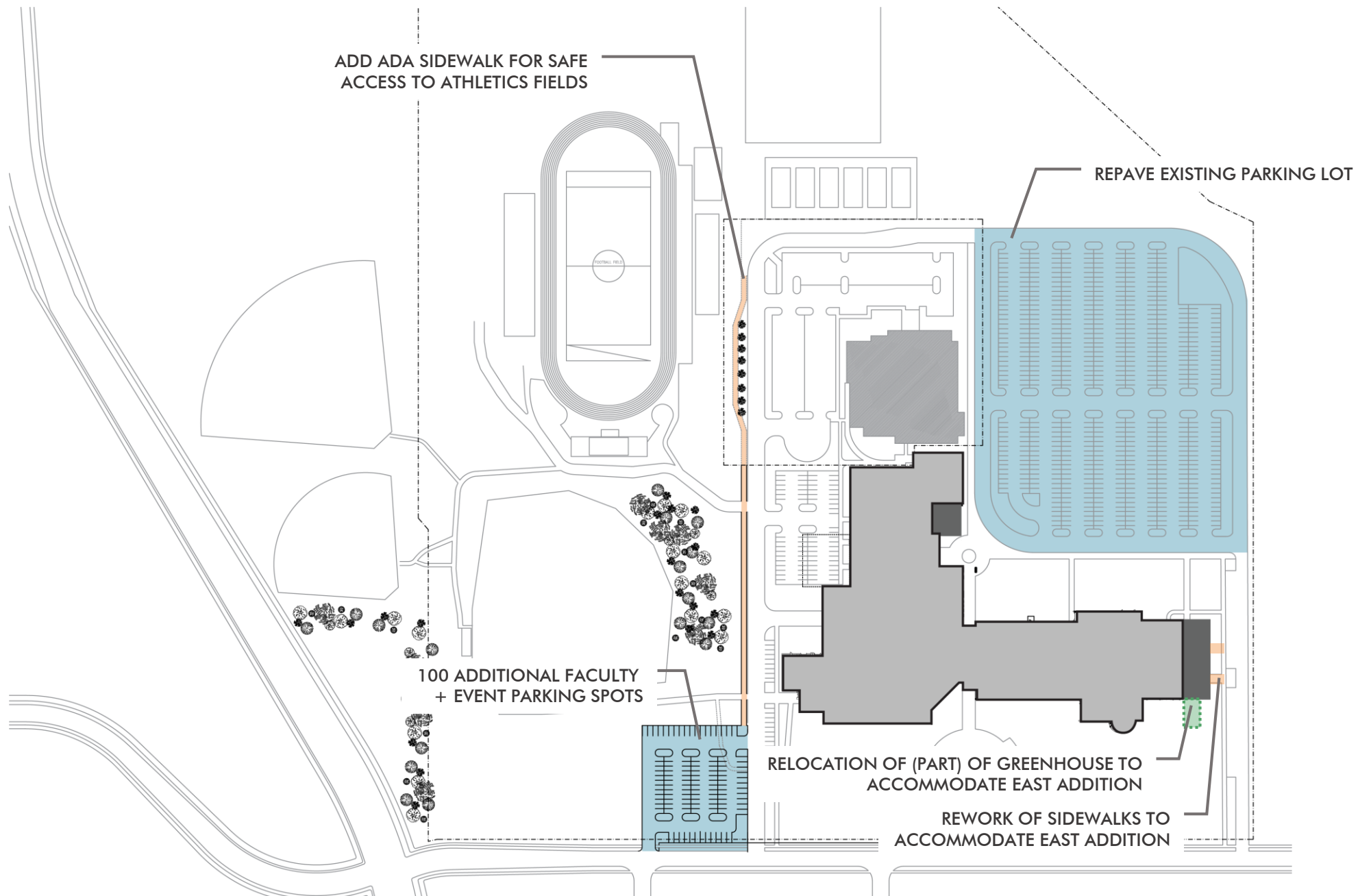


TRAINING TABLE, LECTURE SETUP



GROUPWORK TABLE, GROUP SETUP

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SITE PLAN

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USD 497 - Lawrence School District

Free State High School Master Planning



Improvement Measures Summary

MEP

School	Improvement Item	Maint.	Critical	Energy	Capacity	Priority	Notes
FSHS	Replace Chiller AC-1	X		X		2	
FSHS	Replace Chiller AC-2	X		X		2	
FSHS	Replace Chiller AC-3	X		X		2	
FSHS	Replace Chiller AC-4	X		X	X	1	Runs more than AC-1 through AC-3 from Maintenance Staff perspective
FSHS	Provide primary chilled water loop tying chiller plants together					2	Re: Assessment diagram. Provides better diversity, lengthens run-time
FSHS	Replace 1st Level Main Boiler Plant	X		X		1	Need replaced per district staff.
FSHS	Penthouse Boiler Capacities to allow reheat tie-in at 1st level CRs		X		X	2	Would allow main boiler plant to not be utilized for classroom reheat.
FSHS	Upgrade/Replace Kitchen Water Heaters		X			1	
FSHS	Upgrade/Replace Locker Water Heaters					1	
FSHS	Locker Water Heater Combustion Air		X			3	
FSHS	MZ-3 Heating Temp Maintenance				X	1	
FSHS	Motor Control Center Switches		X			2	Plastic Disconnects are unreliable and can't be replaced when they fail
FSHS	Main Switchboard		X		X	2	Plastic Disconnects are unreliable and can't be replaced when they fail
FSHS	Lighting Controls upgrades - add occupancy sensors, low voltage switching	X		X		2	
FSHS	Upgrade exterior parking lighting to LED	X		X		2	
FSHS	Upgrade interior lighting to newer more efficient sources	X		X		2	
FSHS	TVSS Upgrades - upgrade SPDs in existing computer panels	X				1	
FSHS	Additional receptacles in classroom spaces to support curriculum, laptop/i	X			X	2	
FSHS	Potential for added submetering to allow for trouble shooting, trending.	X		X		2	
FSHS	Additional data to support curriculum					2	
FSHS	Auditorium lighting upgrade to more efficient sources	X		X		1	

MASTERPLAN

NEW CONSTRUCTION: **18,490 SF**
RENOVATION: **21,522 SF**

SCHEMATIC DESIGN

NEW CONSTRUCTION: **13,036 SF**
RENOVATION: **47,319 SF**

MASTERPLAN

NEW CONSTRUCTION: **18,490 SF**

RENOVATION: **21,522 SF**

SCHEMATIC DESIGN

NEW CONSTRUCTION: **13,036 SF**

RENOVATION: **47,319 SF**



25,800SF RENOVATION BEYOND MASTERPLAN

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