

Everything and the Kitchen Sink: How Hybrid Buildings Can Break Down Silos and Foster Interdisciplinary Learning Tues. Nov. 7 – 1:00 - 2:00 PM

#edspaces

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Learning Objectives

Identify restrictions...

...imposed by common, outdated patterns use of campus space Identify duplicate spaces or expertise...

...which can deliver higher value by being shared across disciplines Curare awareness of institutional barriers...

...and advocate for programming which empowers change Implement spatial strategies

...to support wide range of co-located activities How Can Hybrid Buildings Optimize Campus Space?

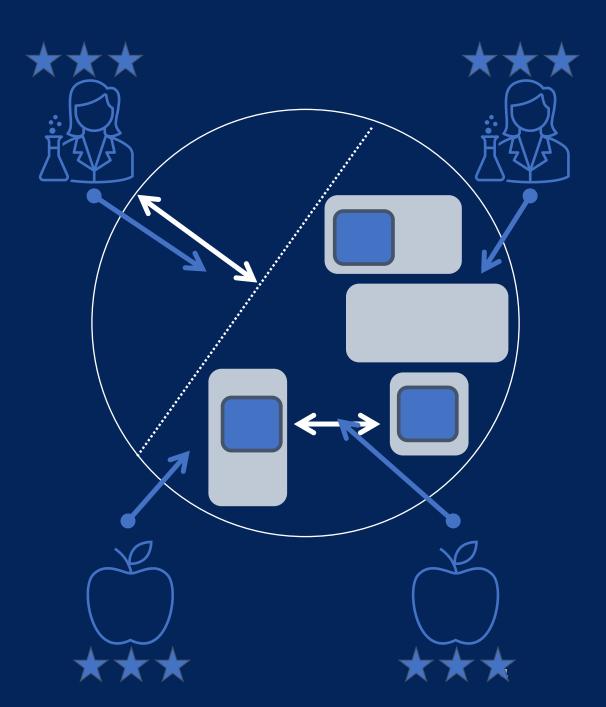


Based on your campus...

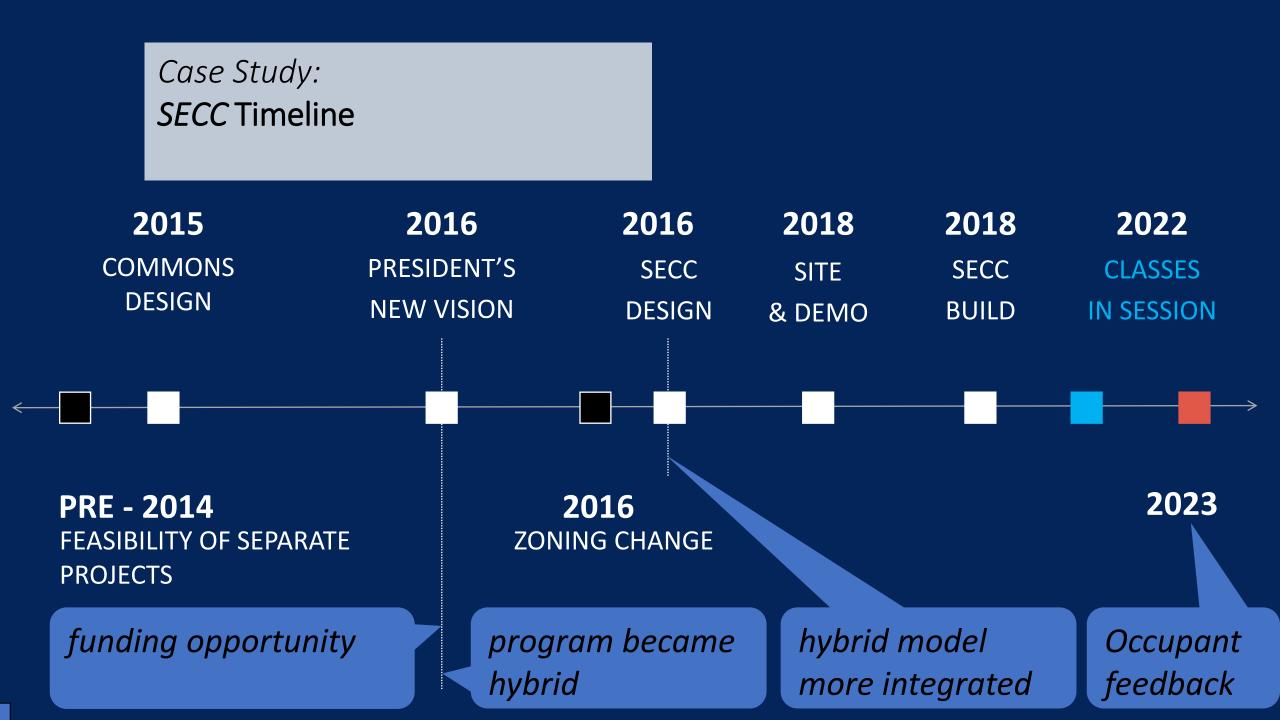
#1 – Know your space constraints

#2 – Evaluate highest & best value

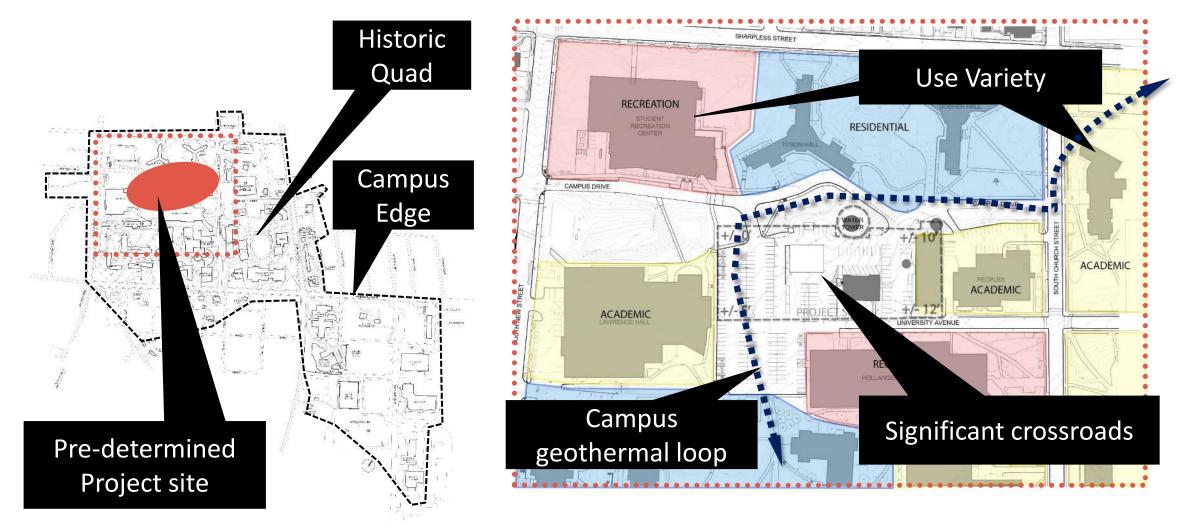
#3 – Consider domino effect



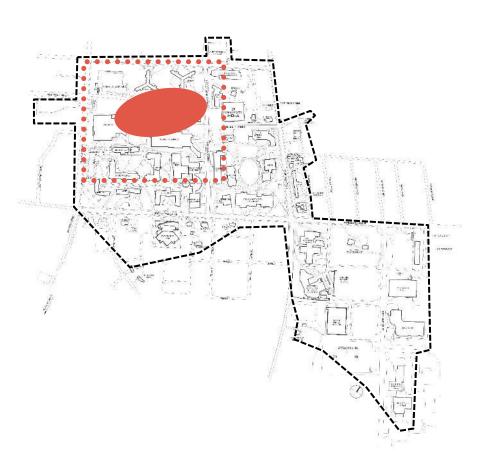
Case Study: The Sciences & Engineering Center and the Commons

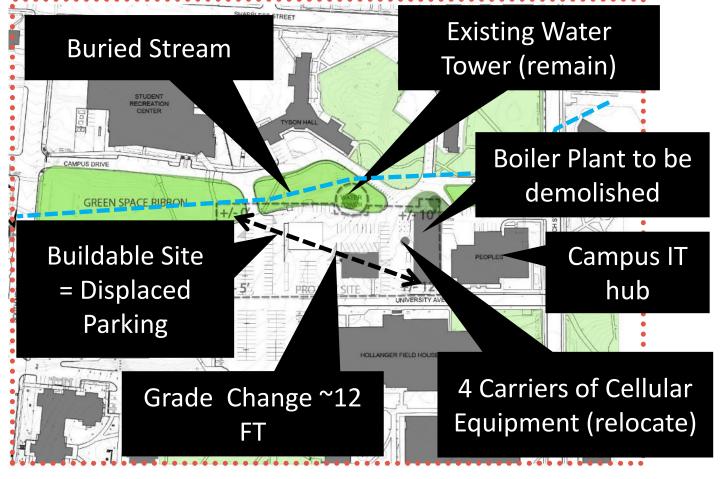


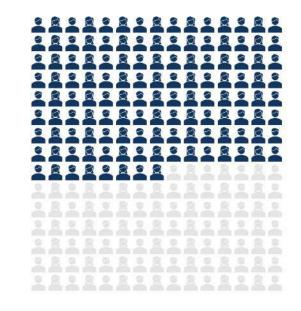
OPTIMIZE - #1 - KNOWING THE CONTEXT & ASSETS



OPTIMIZE - #1 - KNOWING THE CONSTRAINTS





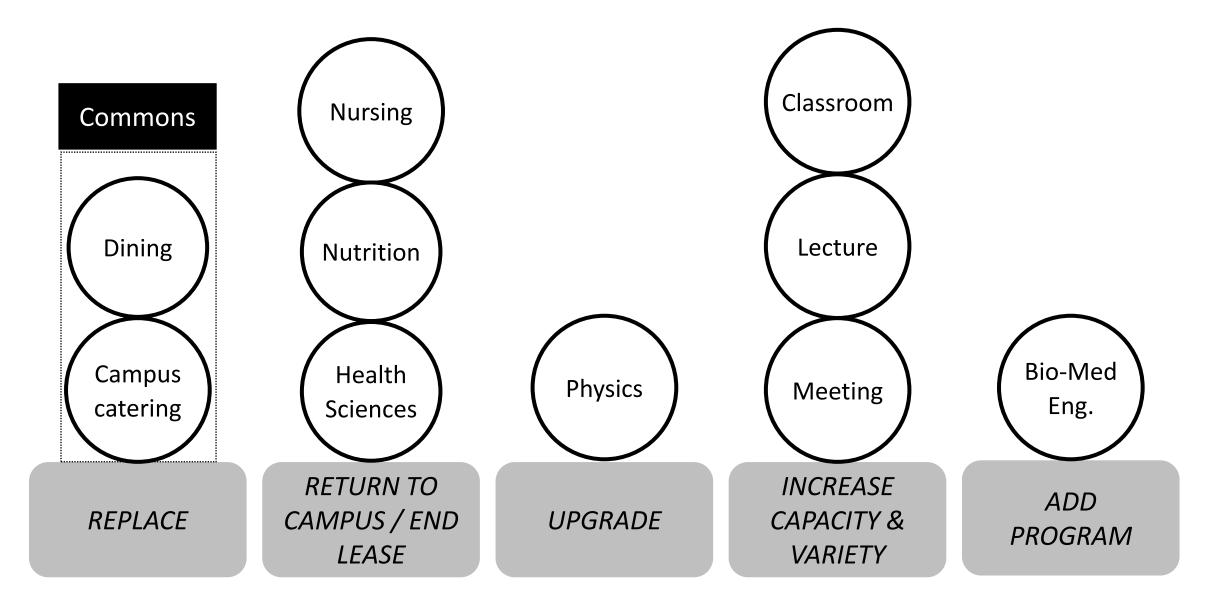


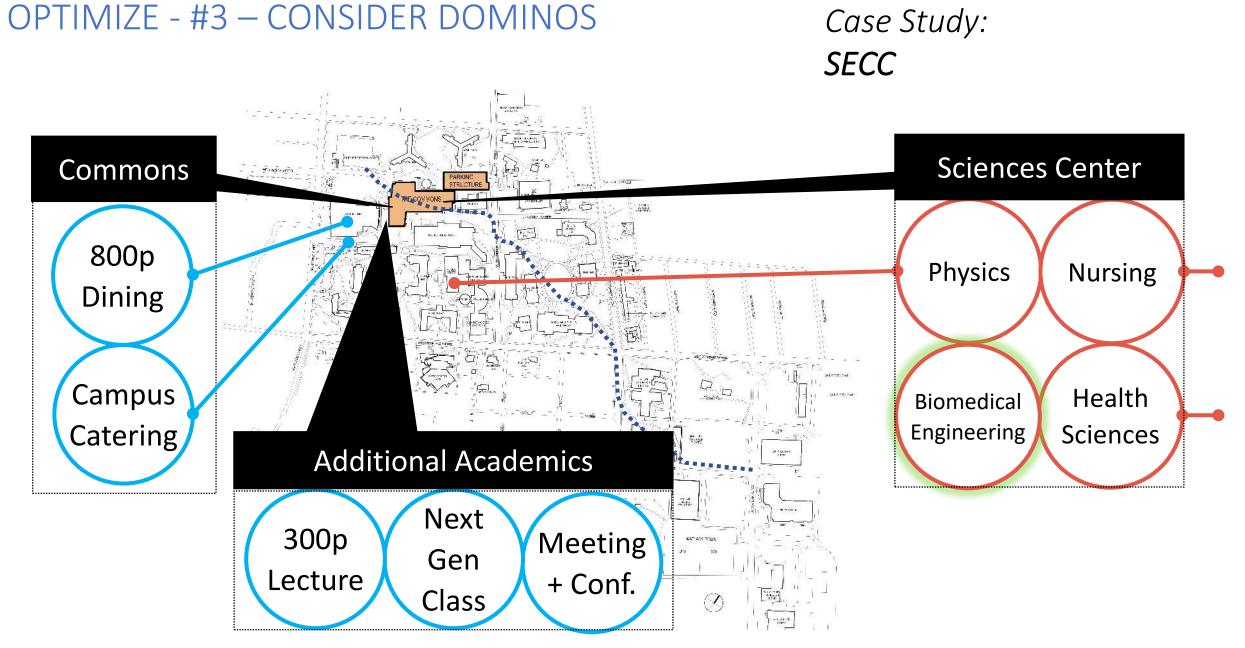






OPTIMIZE - #2 – HIGHEST AND BEST USE





BINDING TOGETHER - PROJECT GOALS

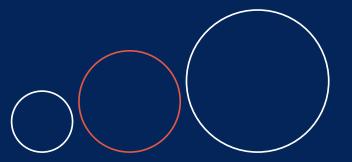
Case Study: **SECC**

Create	Protect & enhance	Foster	Recover	Establish
a multi-use learning and living center + focal point on campus	greenspace + pedestrian walkways + resilience	key interdisciplinary collaborations	lost parking spaces + underutilized campus space	cornerstone for sciences complex

Are we too dispersed to be effective?

Is there higher value by sharing space or expertise?

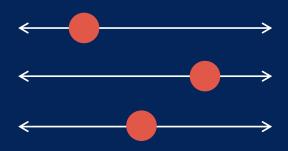
When does hybrid make sense?



How does geographic scale influence viability?



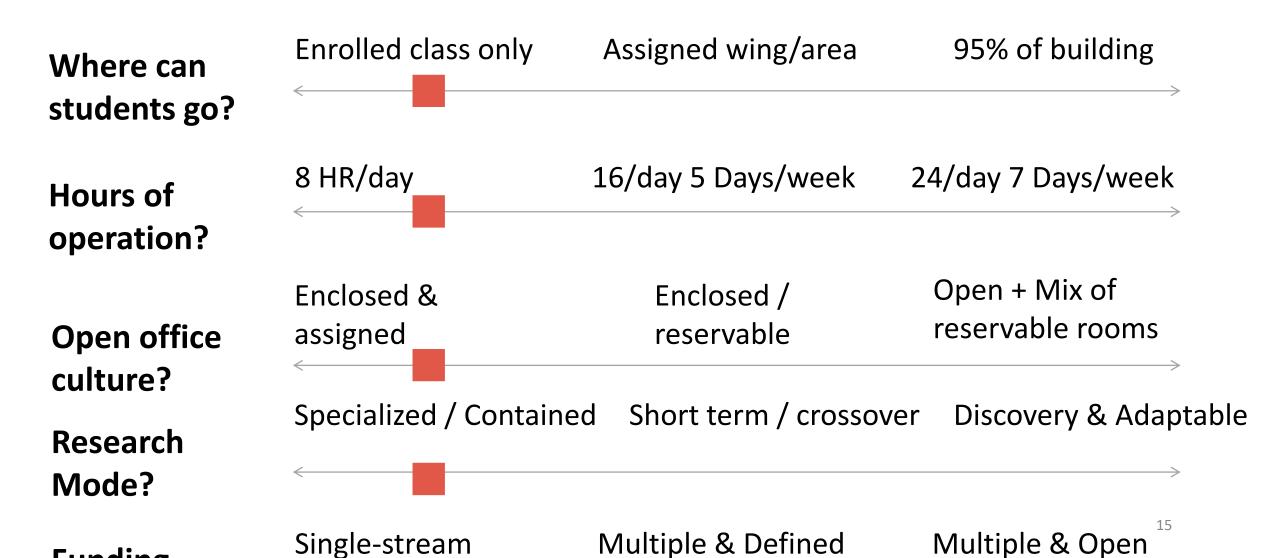
Is it there a threshold of enrollment?



What is the sweet spot? Which questions equip us best?

When does hybrid make sense?

The conversation includes asking...



Case Study – SECC Nursing Program



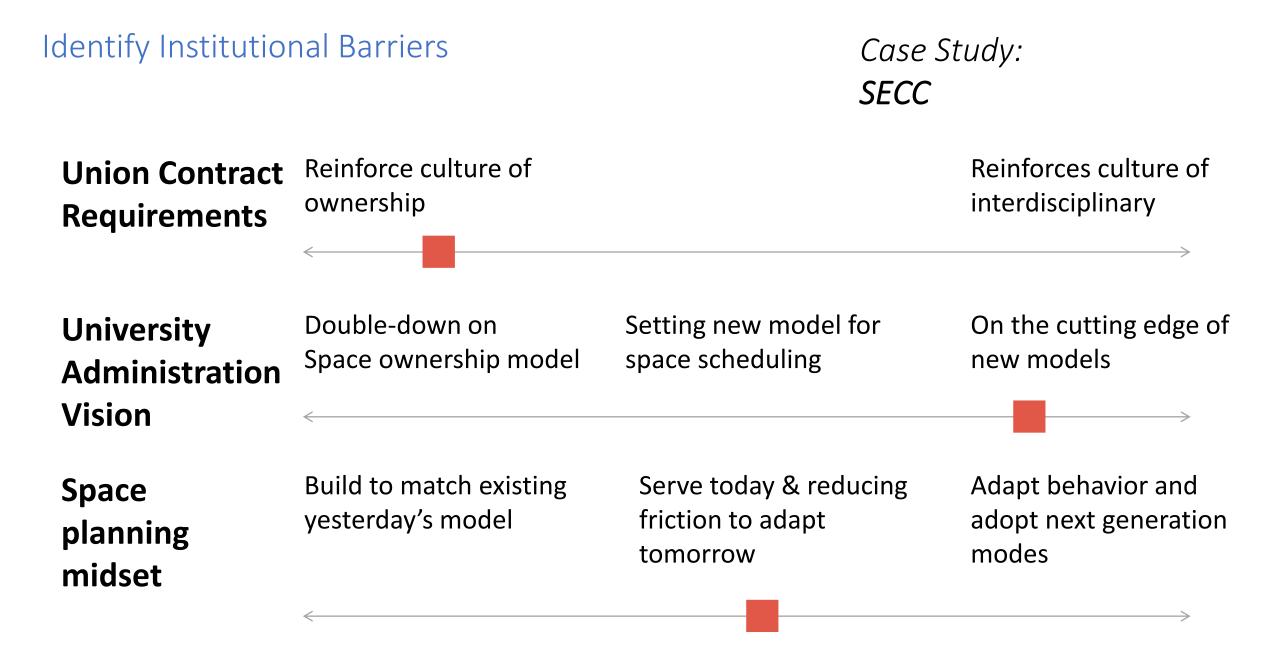


Which Battles are Worth Fighting?

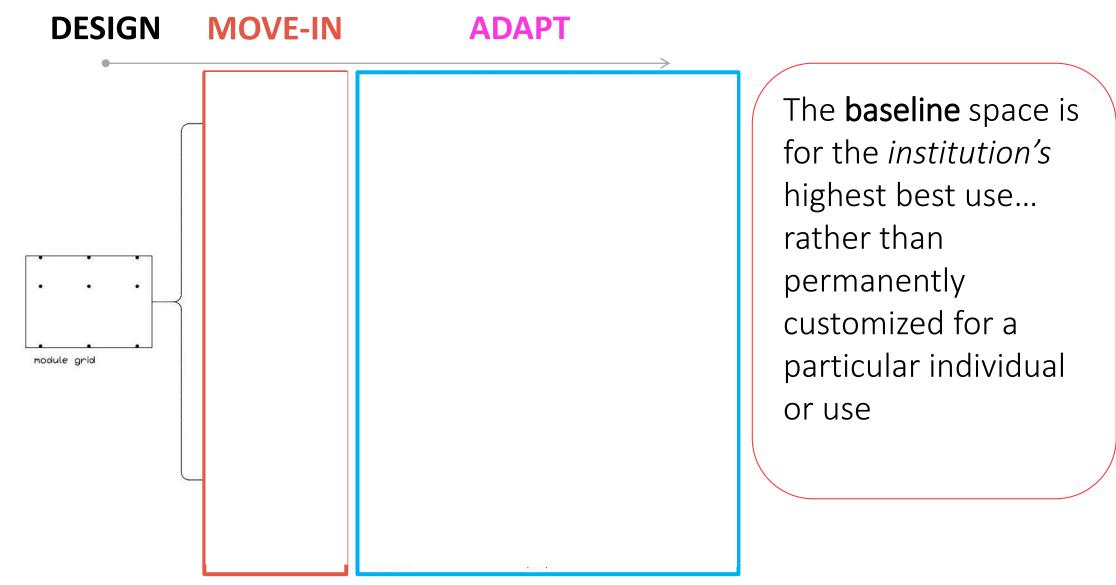


[Keeping the long view in mind...]

Have an increased awareness of institutional barriers to program co-location and space sharing and precedents for breaking those barriers.



Modular Planning – academic & lab



Modular Planning – research lab

Research lab – fit out A



Research lab – fit out B



Modular Planning – next gen classroom

Teaching Mode A



Teaching Mode B



Teaching Lab [Set up for Physics]



Learning On Display + Shared access between instructors



Describing study spaces





 M

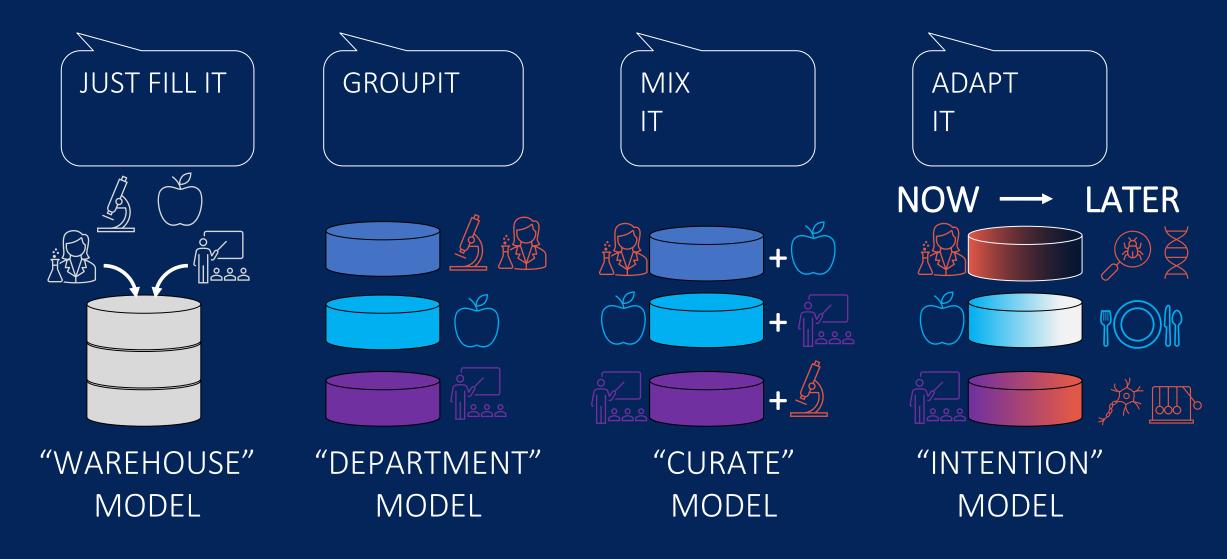


S

What Are the **Building Organization Strategies that** Encourage, Support, and Integrate Disciplines?

Implement space strategies that support wide ranges of colocated activities from quiet study to collaboration to socialization

Strategies ... and their yields



If we're going to group, mix, or adapt...

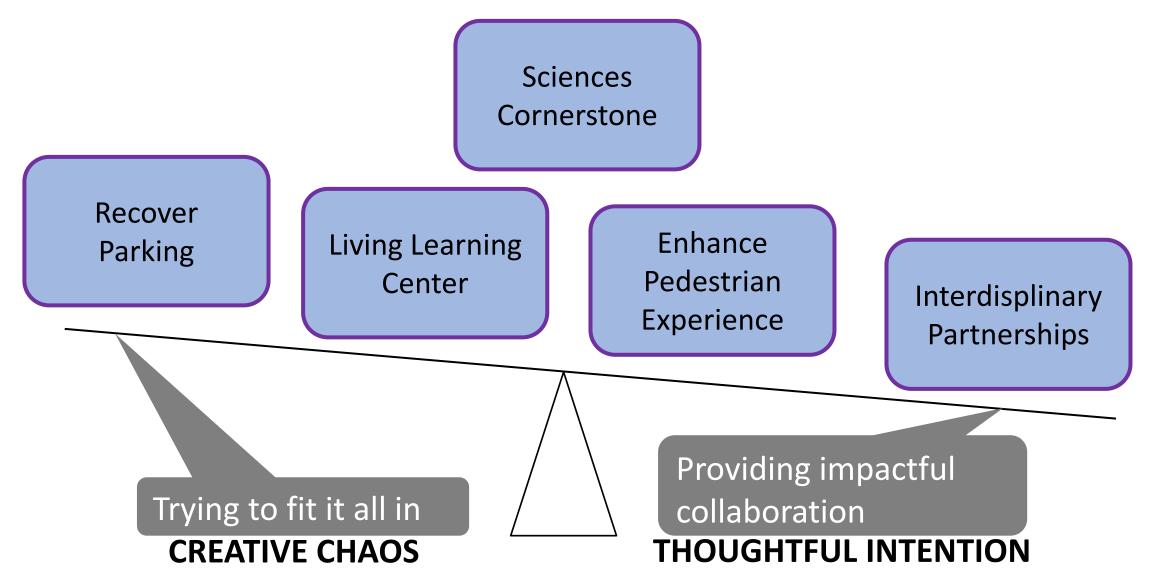
we'll seek to

Evaluate

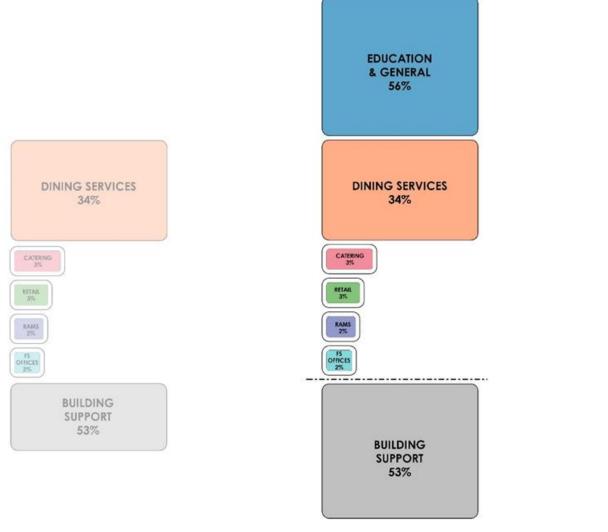
Synthesize

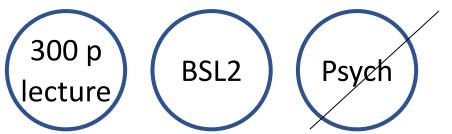
Thread together

Evaluating while balancing the tension



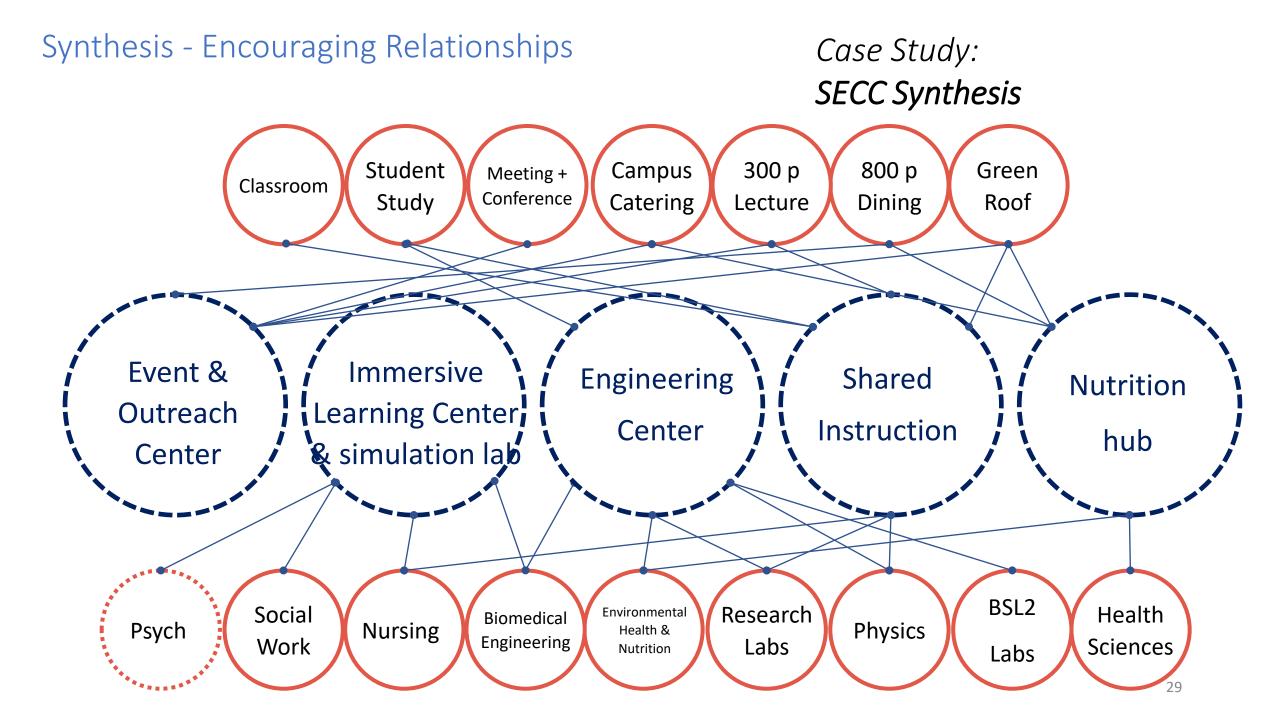
Evaluating what makes the cut







60,000 GSF 142,000+ GSF 175,000 GSF



CASE STUDY HYPOTHESIS #1

When space is premium on a blank slate, you might go up...

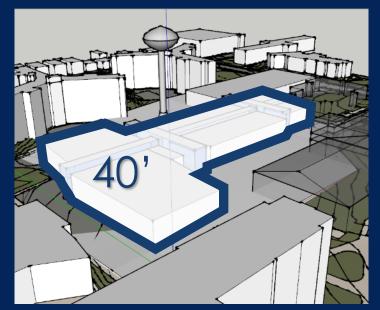


...and work against the separation of floor-based departmental silos.

The constraint which could derail your project, *if harnessed*, could become a direct force for success.

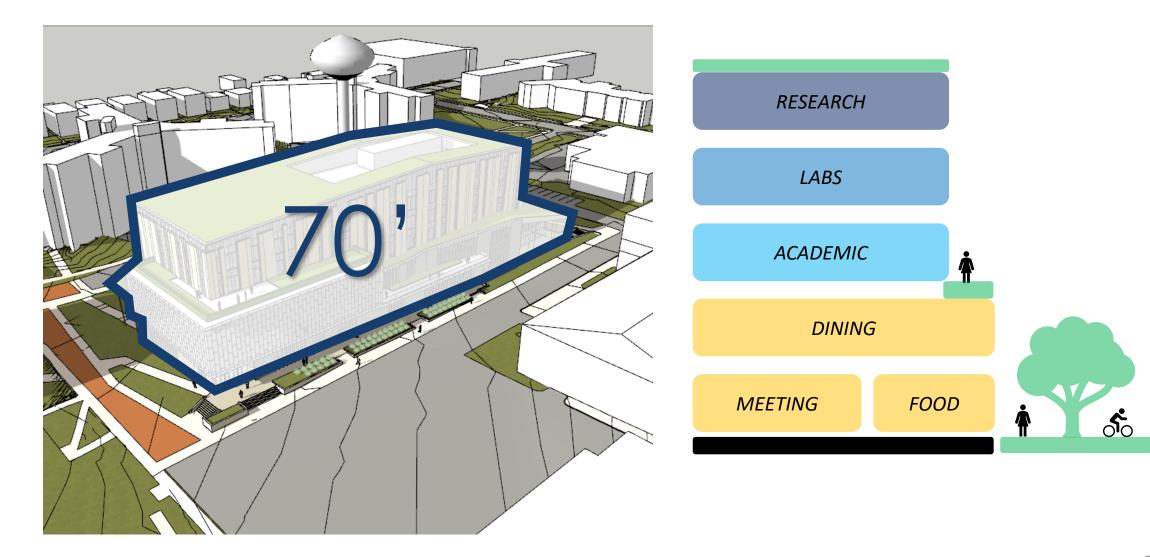
VS

With exterior force, such as new zoning constraints – you might spread out.

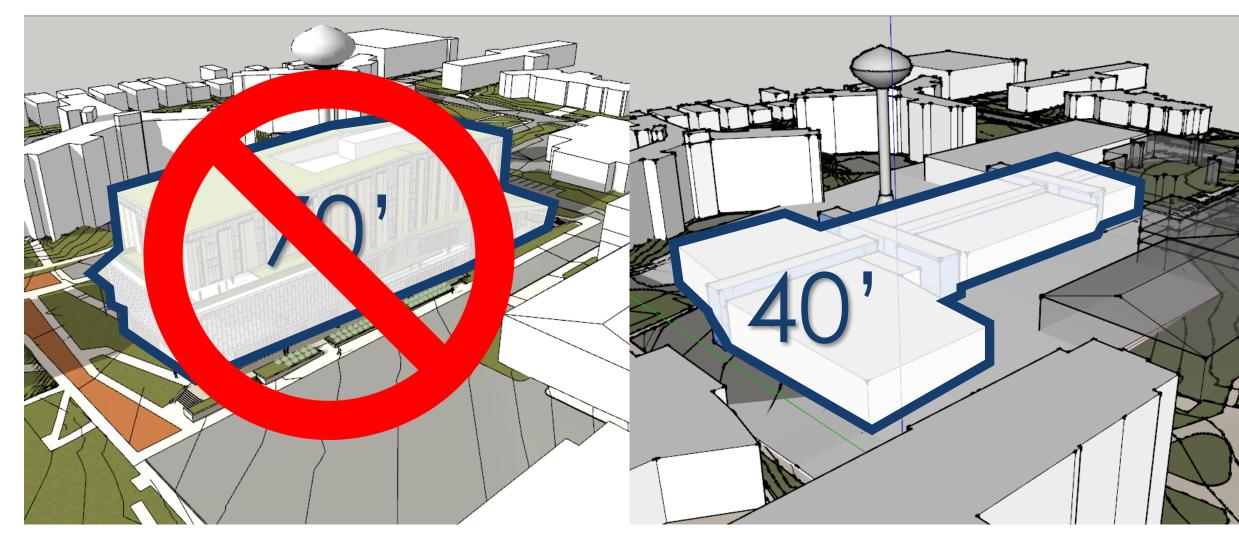


...and lean into productive pairings leading tovibrancy.

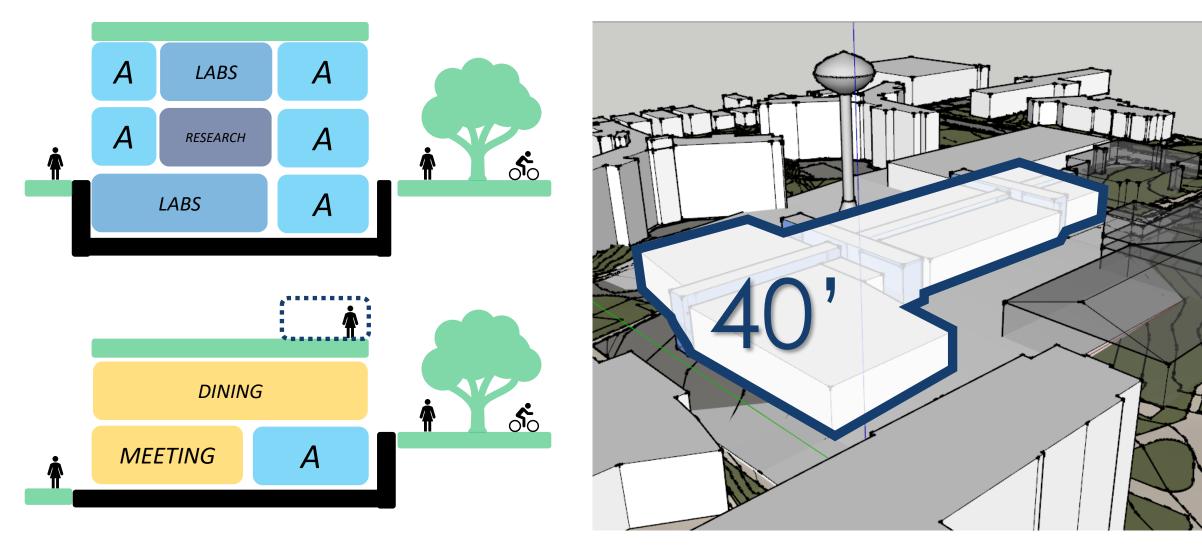
Threading together



Threading together

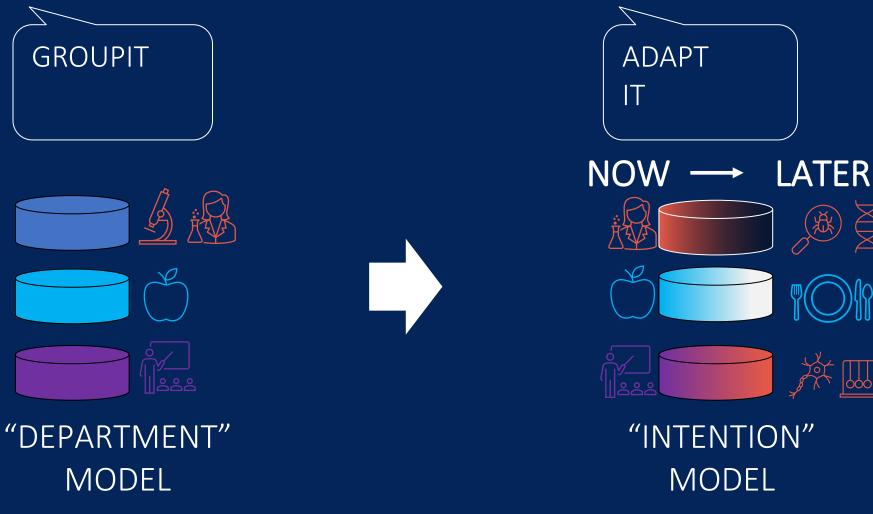


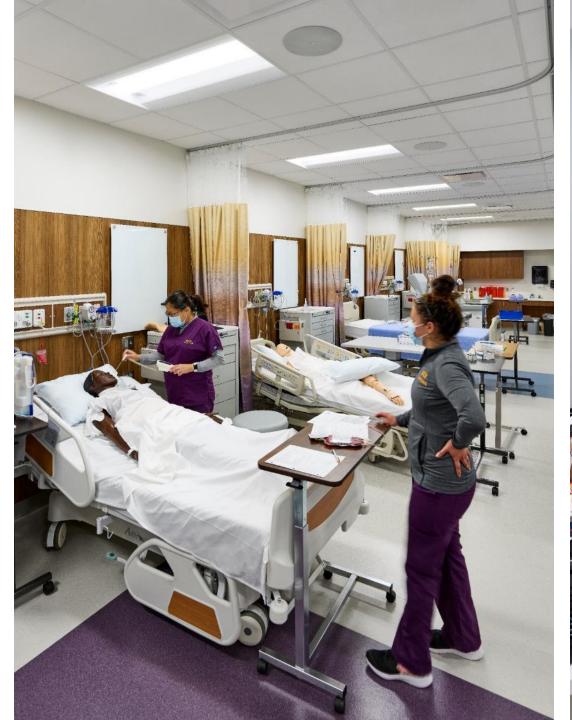
Threading together



CASE STUDY HYPOTHESIS #2

If planning can intentionally bring knowledge centers together, then we support a culture of shared discovery.















Learning on Display



Traditional Lecture Spaces



Next Gen Collaborative Classrooms

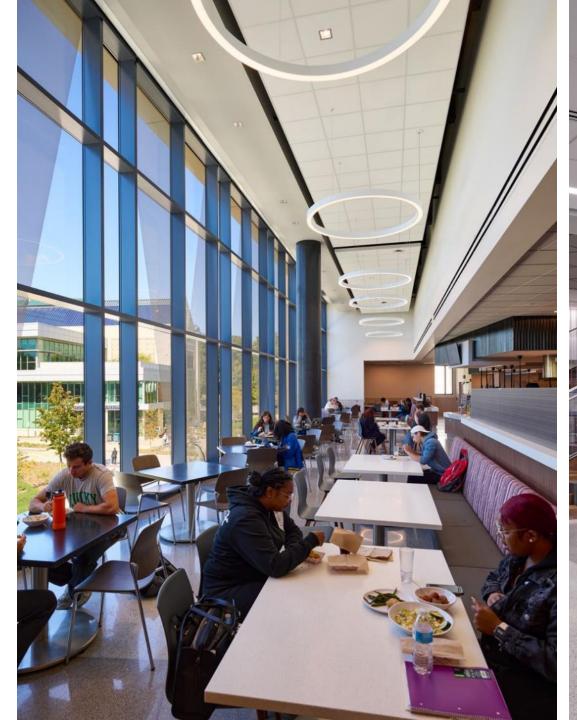








In







...engineers maintain, troubleshoot, & improve performance of valves used in nursing program...

Nursing



Biomed



Nutrition Food Lab



...partnership to develop a sustainable and climate-friendly menu to be offered by campus food provide...

Environmental Health Science



...wider range of research capabilities under one roof when BioMed brought in BSL2



BioMed





Biology

[program in another building]

New partnership established from exchanges which occurred within SECC ... studying applications for technologies influenced by dolphin tail propulsion research ...

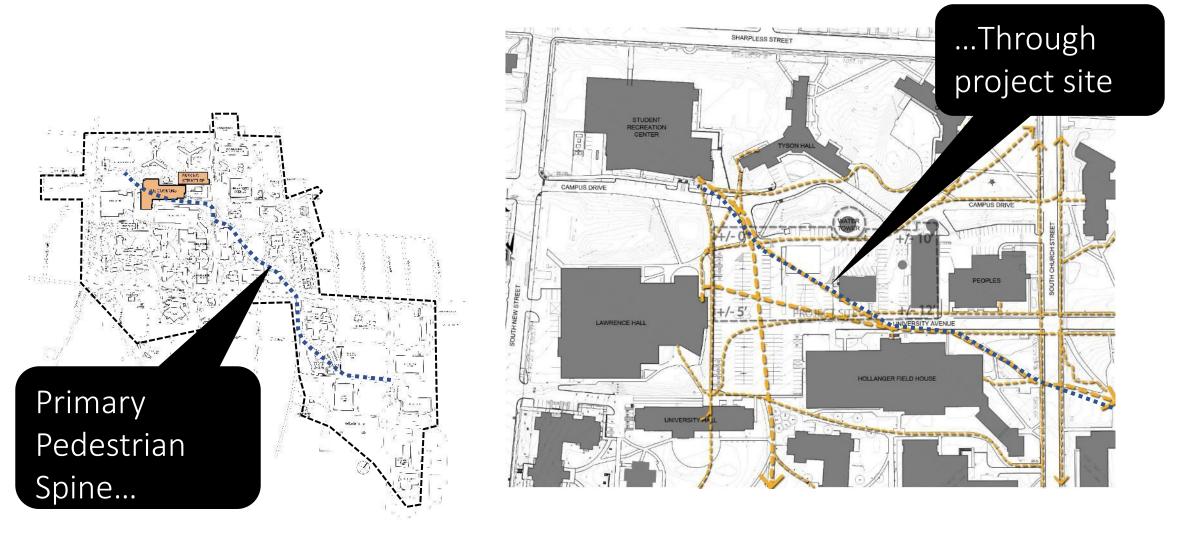
Biomedical Engineering



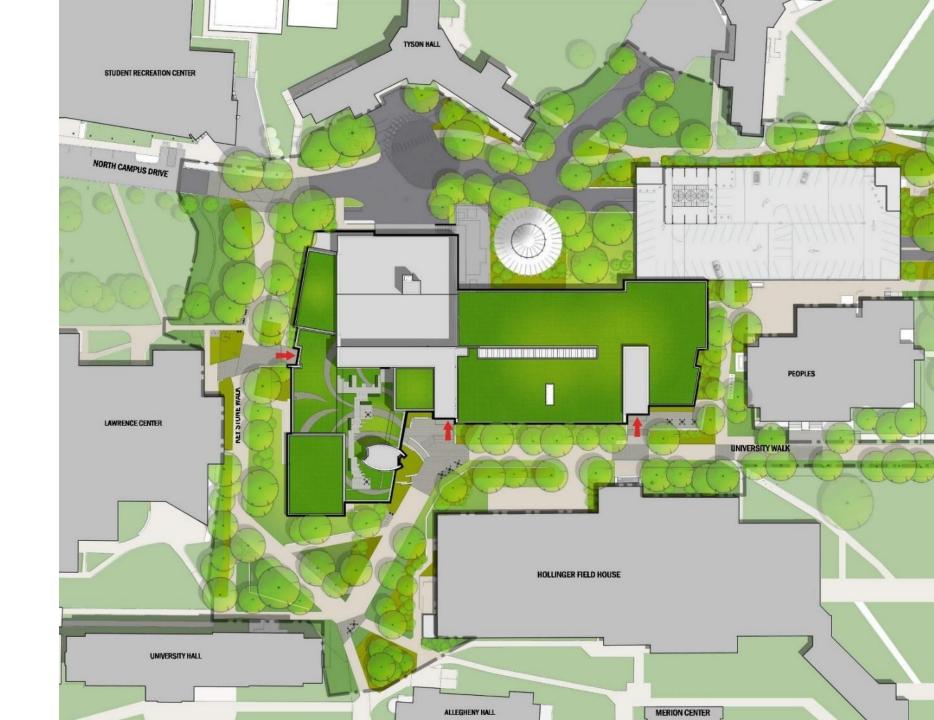
When transitioning from where you taught and conducted research before into this building (SECC), can you compare and contrast the dynamic of watching the students in the spaces, in classes or between classes and how things have changed.... How it shapes up

BONUS

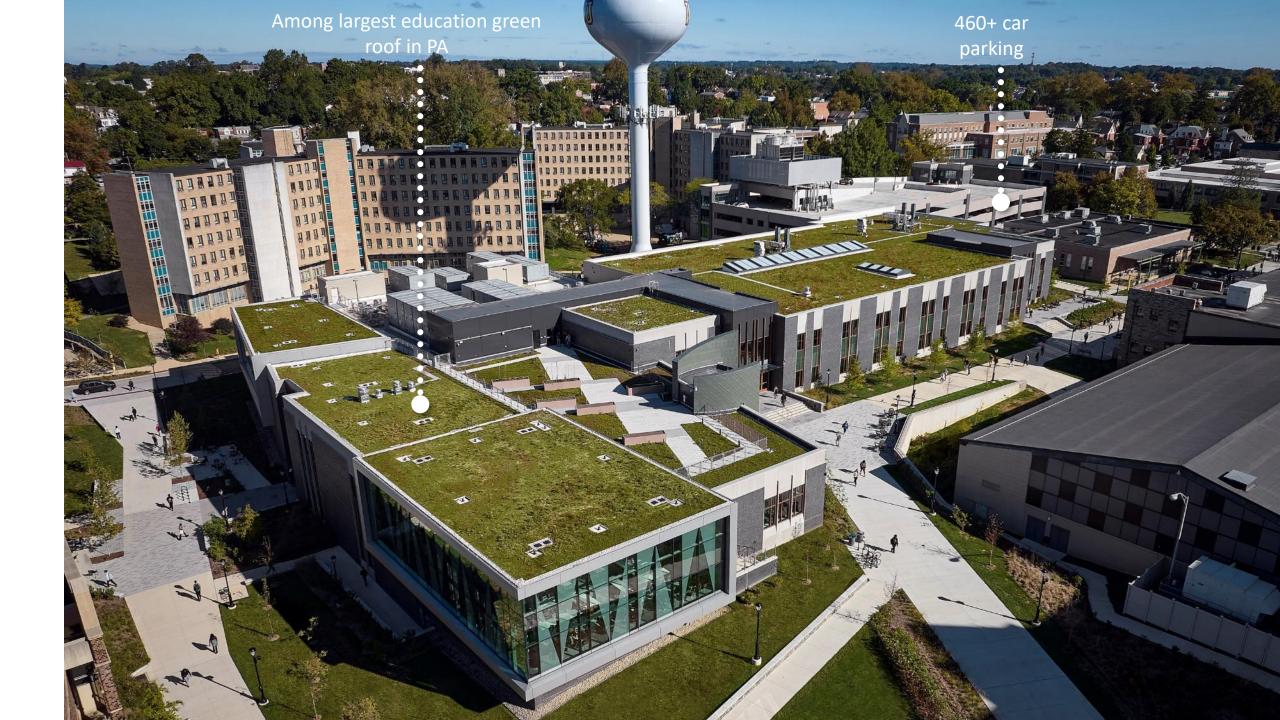
Threading together – knowing the larger story

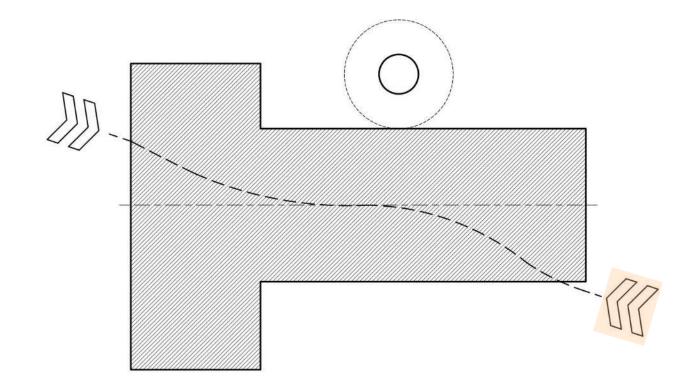


"VIBRANT... VITALITY..." -WCU GOALS

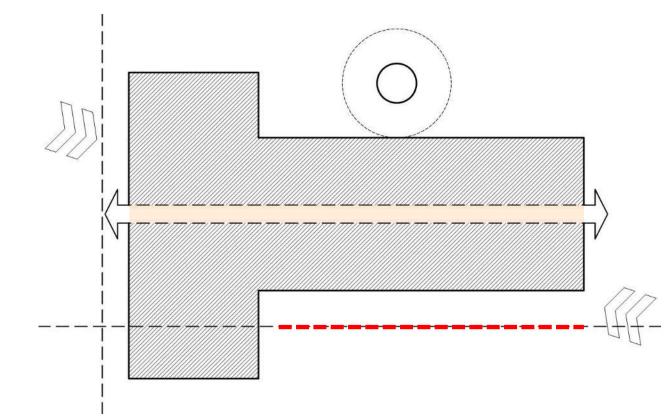


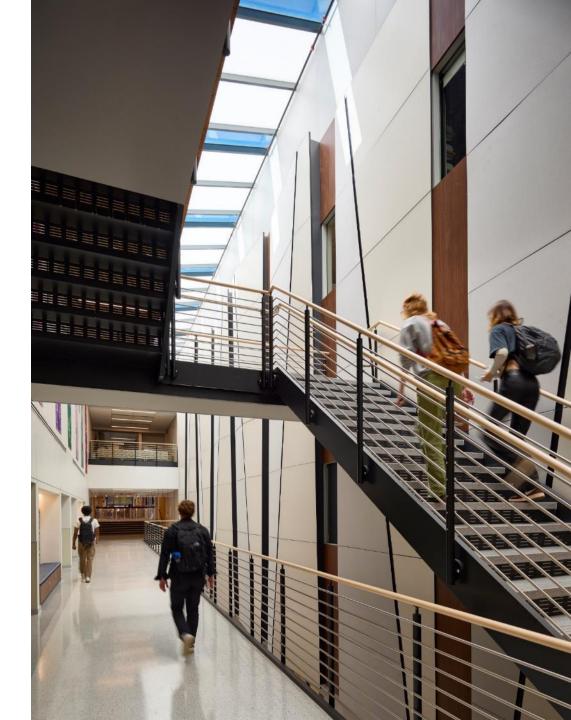


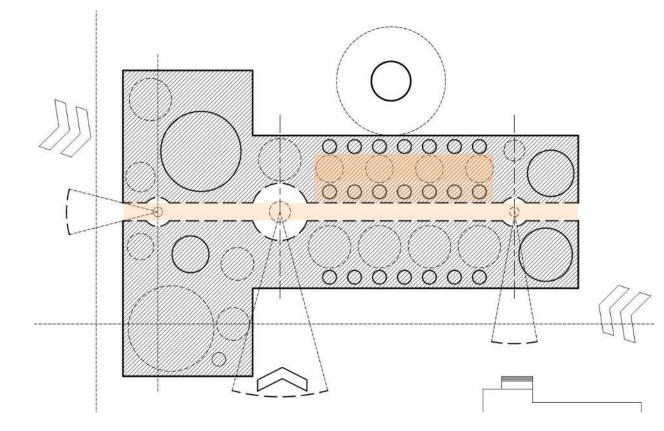










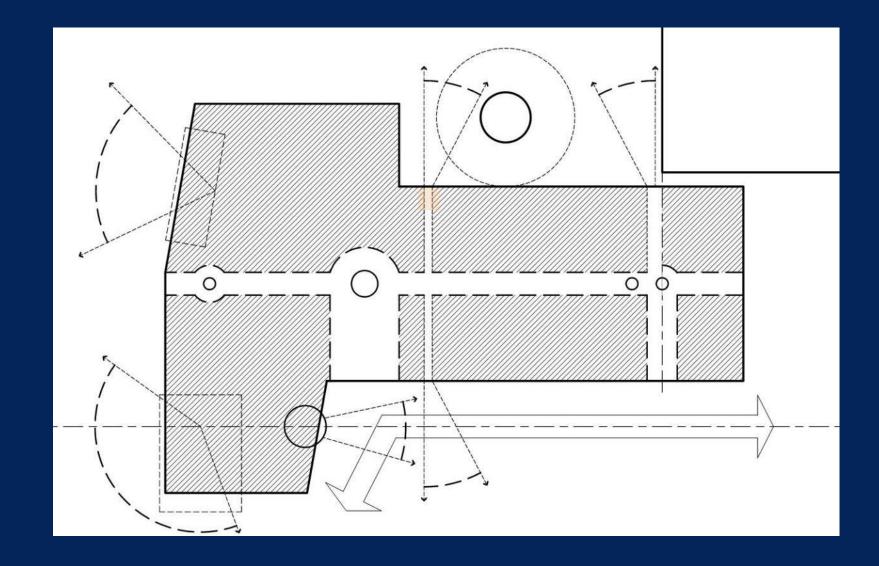


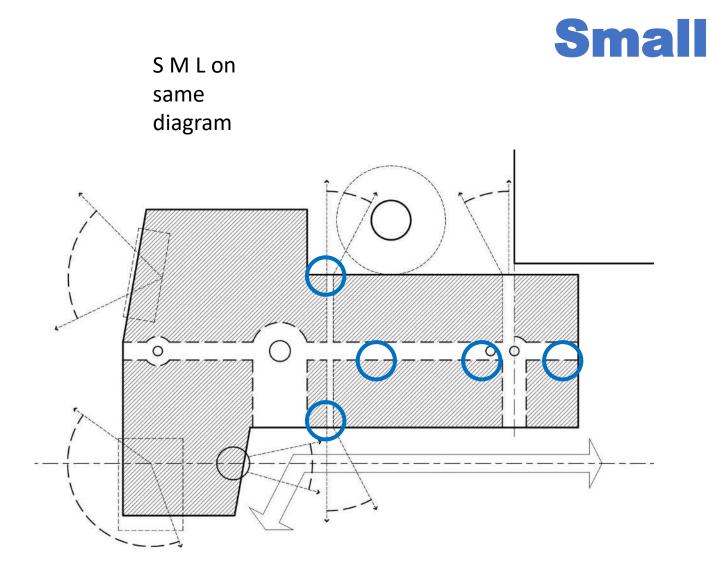


CASE STUDY HYPOTHESIS #3

S

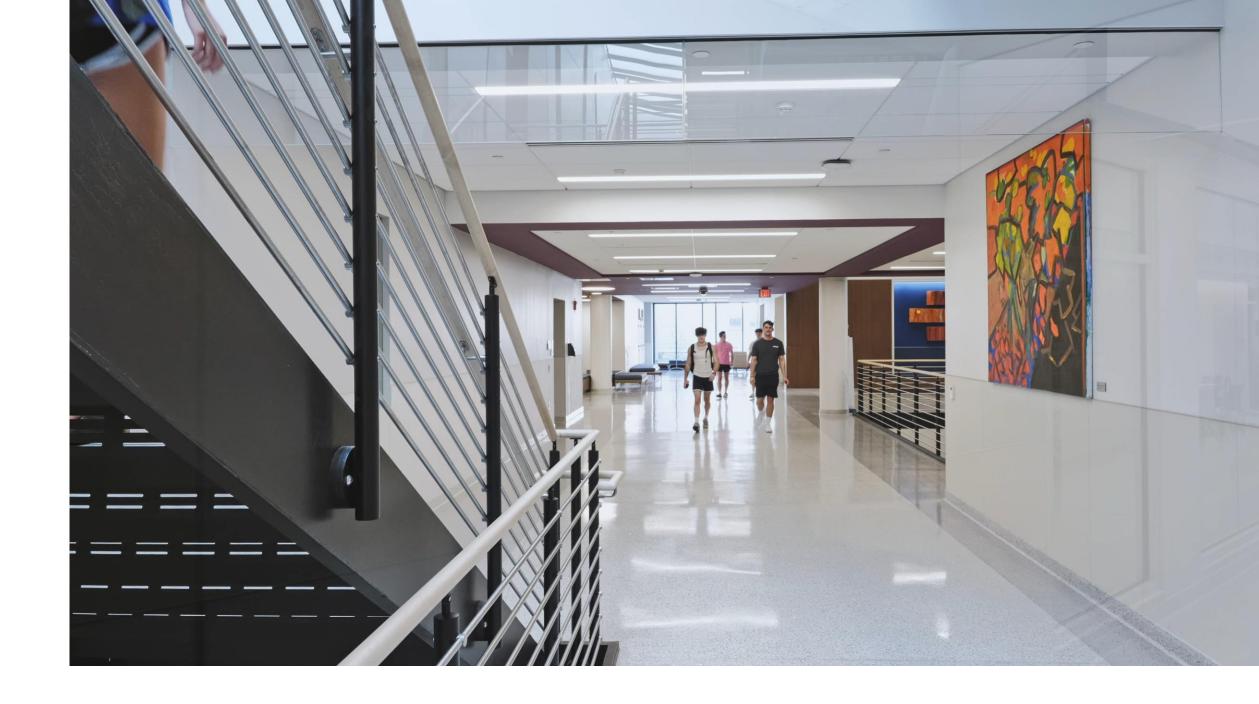
If it is built for everyone, then people notice.

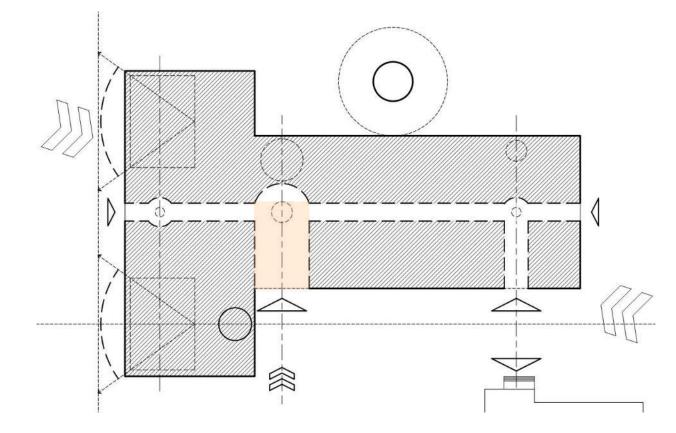


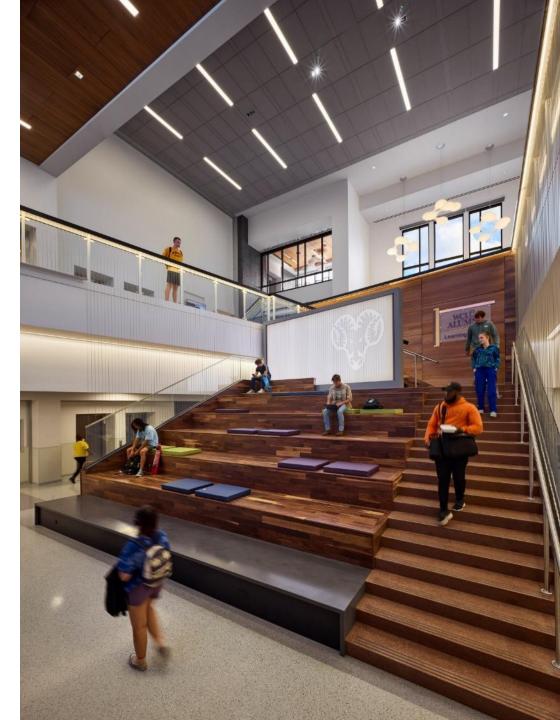




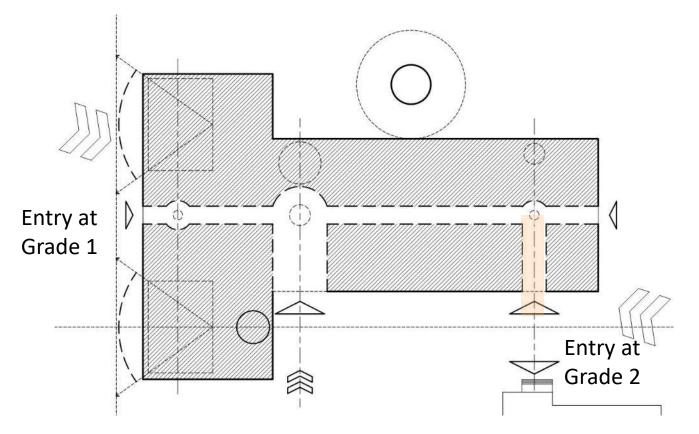




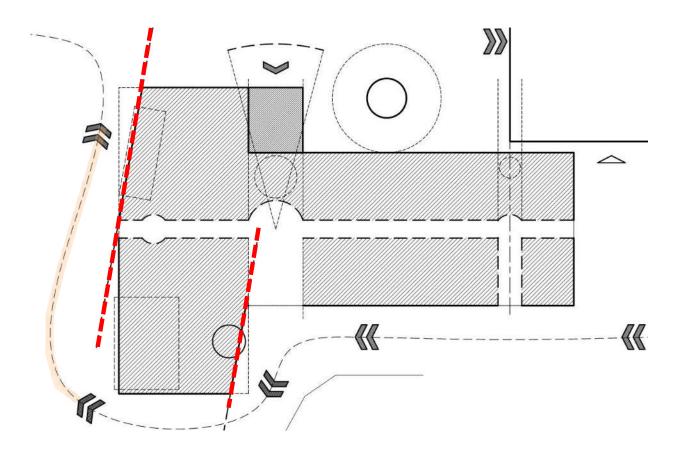




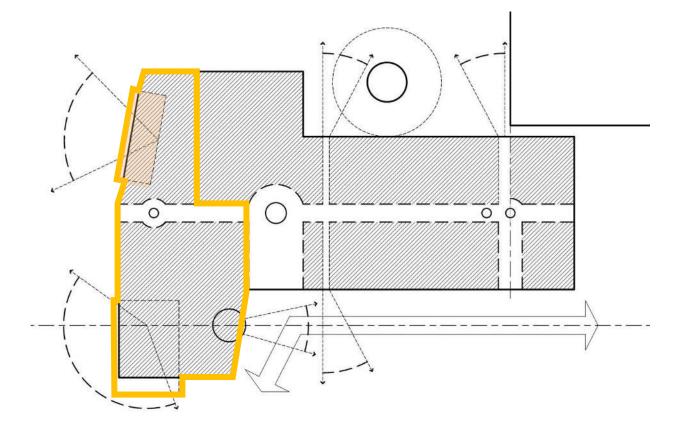




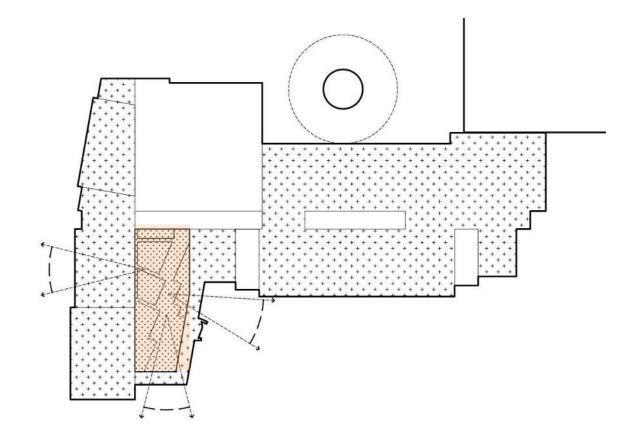






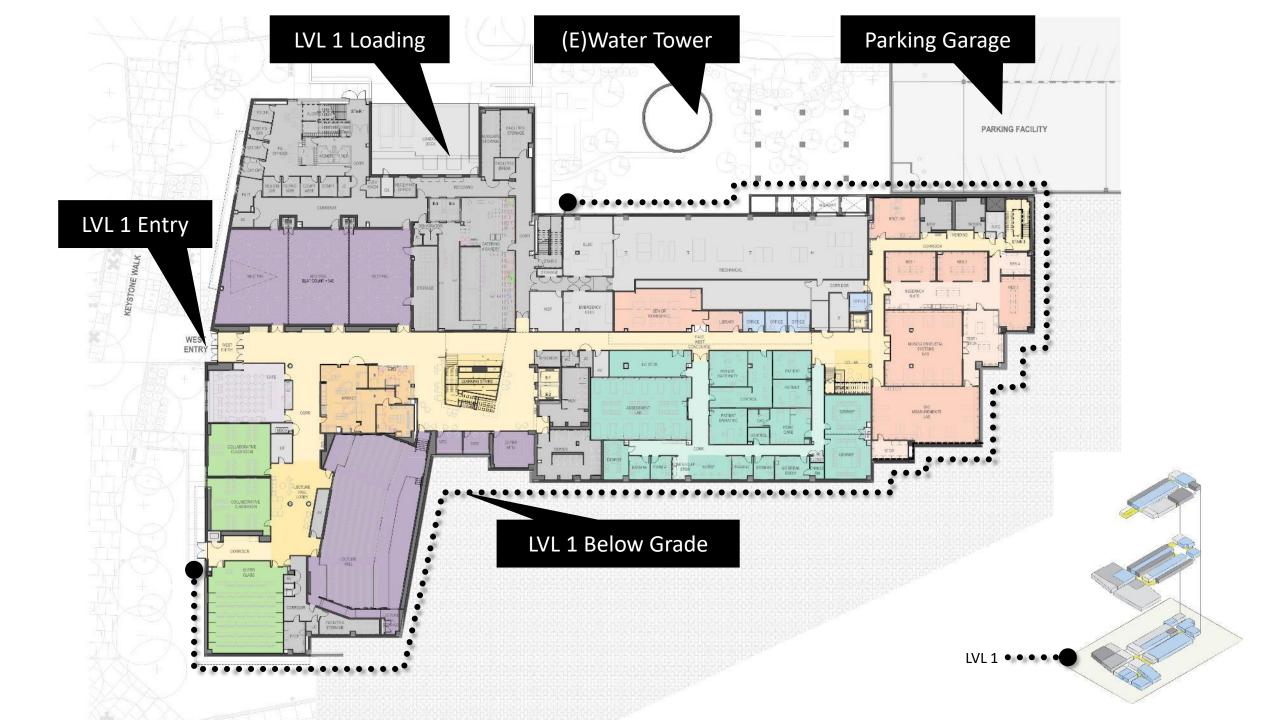








Threading together **Geothermal:** Tie-in Independent Charge Loop Green roof contributing to SWM quality criteria **Existing Underground SWM Reclaimed green-space** & Stormwater planning LEED GOLD









"There are lots of schools fighting it out for that top 1% of students who can pay top dollar for a college education. We'll focus our attention on the remaining 99%." - Executive Vice President and Provost Laurie Bernotsky



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Thank You!

Please scan the QR code to provide session feedback.

