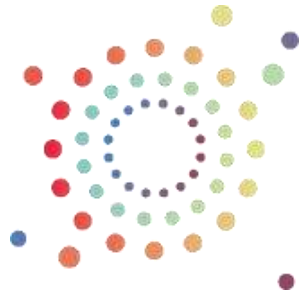
MAKING THE CASE – 21st Century Learning Spaces for 21st Century Learning Communities

Learning Spaces Collaboratory Webinar

JANUARY 22, 2018



Moderator
Jeanne L. Narum – LSC

Facilitators

Melissa Burns
Academic Planning and Design, Principal – EYP Architecture & Engineering

Joan Lippincott
Associate Executive Director – Coalition for Networked Information (CNI)

Laura Malinin
Director, Richardson Design Center and Assistant Professor, Design + Merchandising Dept.— Colorado State University

Jay Verspyck
Associate – Shepley Bulfinch

Facilitators

Melissa Burns

Academic Planning and Design, Principal – EYP Architecture & Engineering

Joan Lippincott

Associate Executive Director – Coalition for Networked Information (CNI)

Laura Malinin

Director, Richardson Design Center and Assistant Professor, Design + Merchandising Dept.— Colorado State University

Jay Verspyck

Associate – Shepley Bulfinch

Learning Goals: *Planning*

How to make the case for a planning process that:

- pushes the envelope
- understands the campus as an ecosystem for learning
- reflects an awareness of the changing context beyond the campus
- is transparent to all stakeholders—embracing the community.

Learning Goals: *Spaces*

How to make the case for learning spaces that:

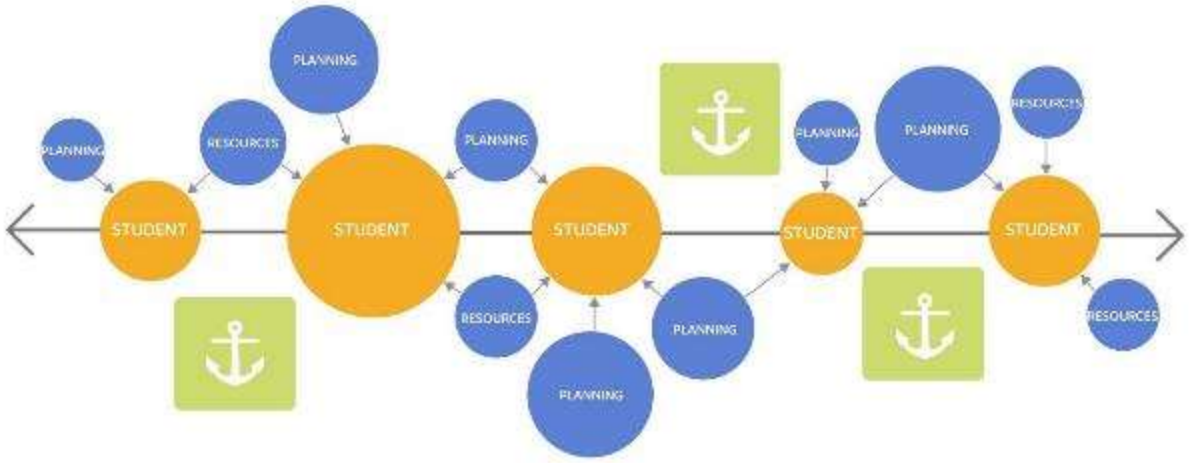
- push the envelope
- celebrate the campus as an ecosystem for learning
- connect to the world beyond the campus
- enhance institutional distinction into the future, embracing the community.

Prompting Question

… from the Roundtables

How does institutional context and culture (perhaps culture of planning) influence "making the case?"

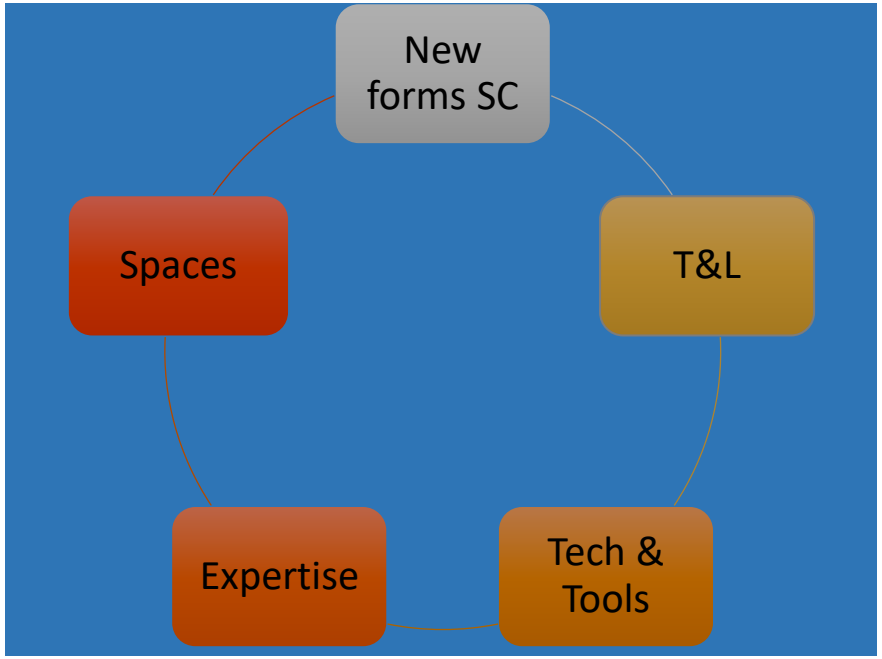
Melissa Burns



EYP Architecture & Engineering

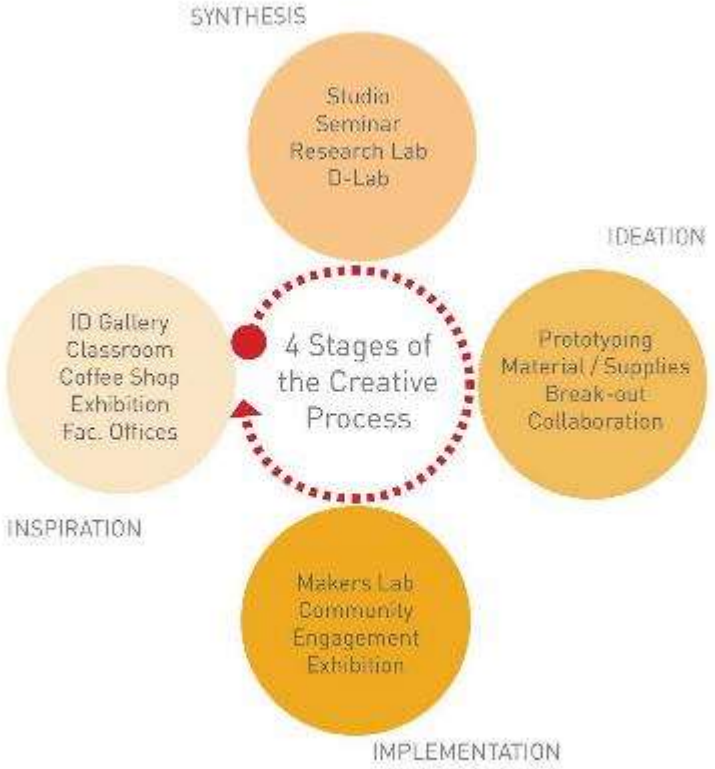
Joan Lippincott

CNI



Laura Malinin

Colorado State University



Jay Verspyck

Shepley Bulfinch

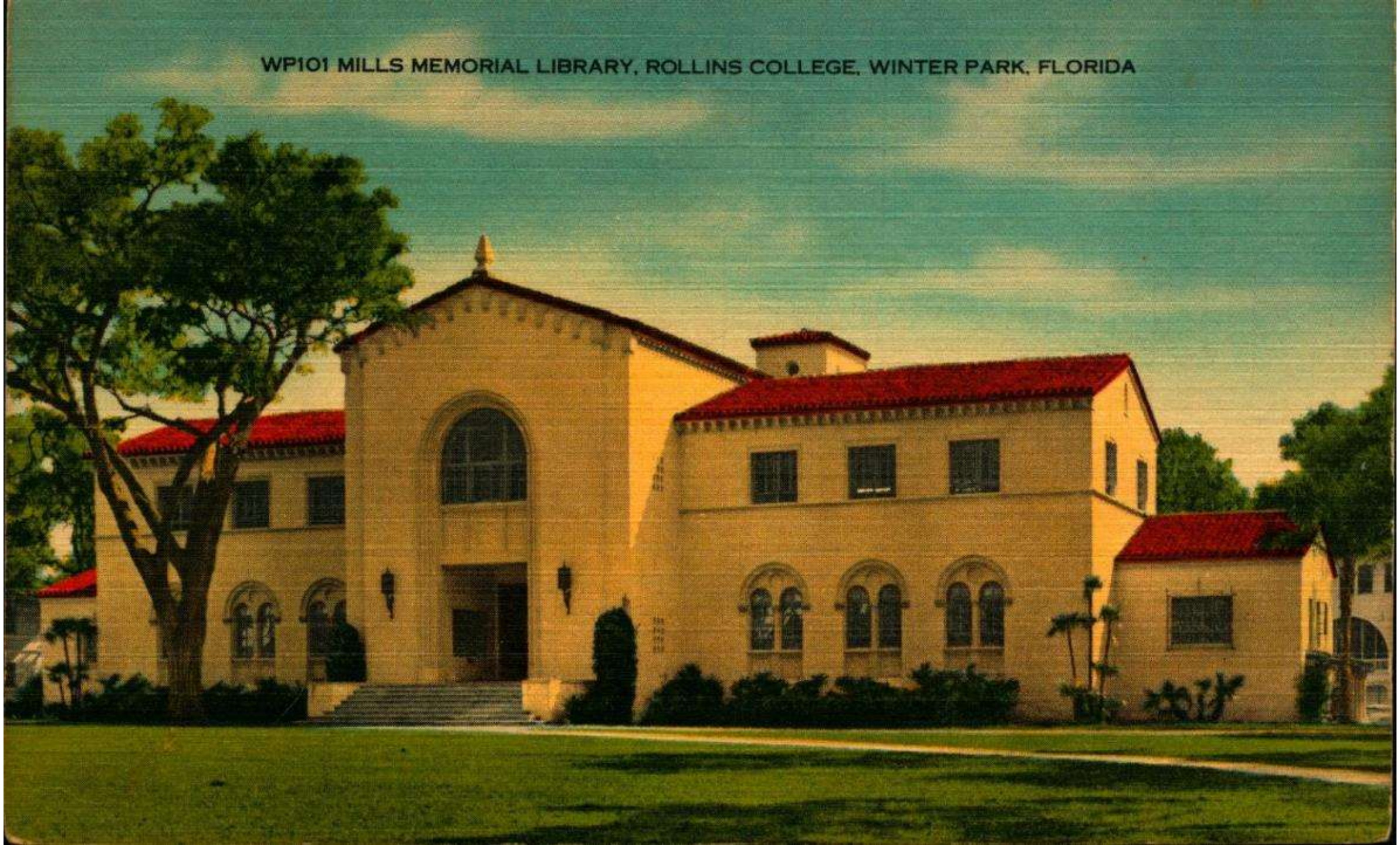
T

Change agents have a talent for speaking differently rather than for arguing well. …to produce second-order change… requires a strong alternative schema, presented clearly and persistently.

Karl E. Weick and Robert E. Quinn, *Organizational ChangeandDevelopment*. Annu. Rev. Psychol. 1999.

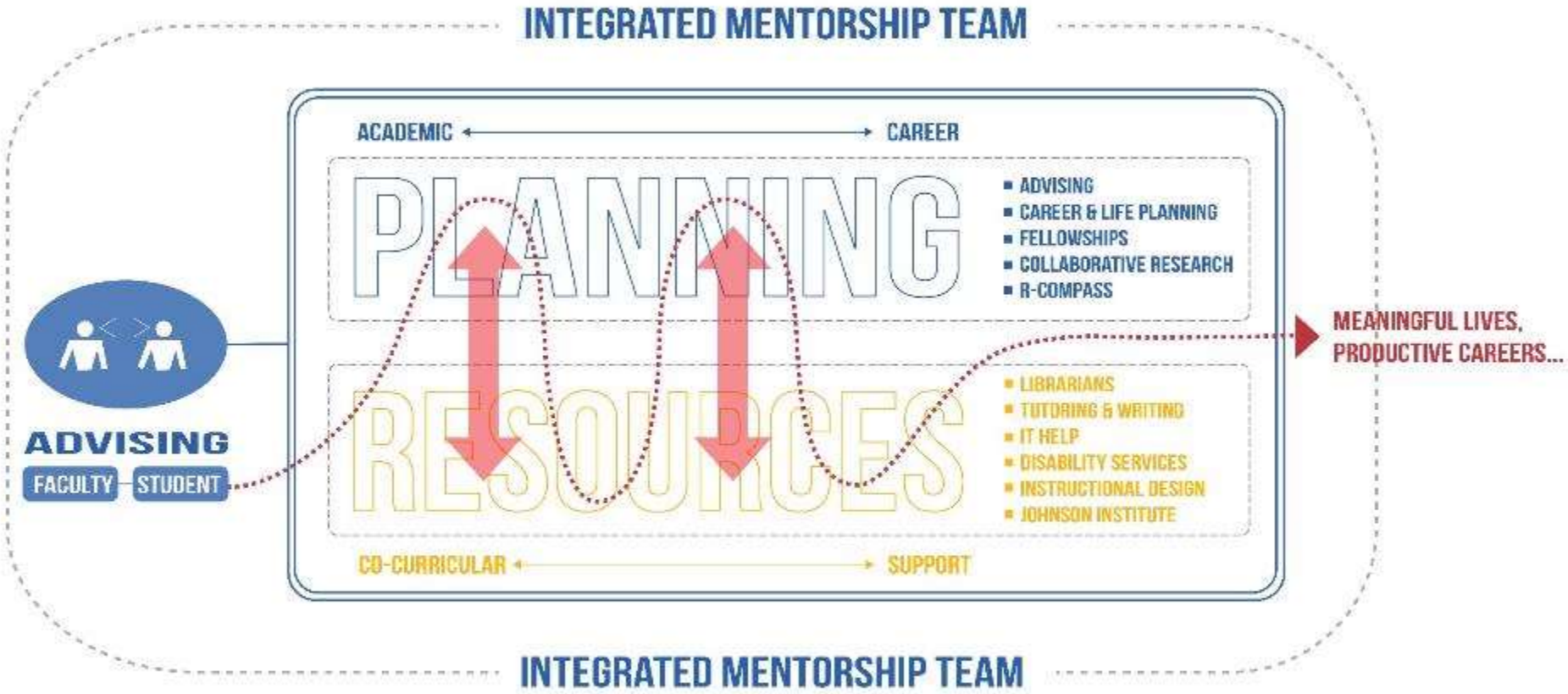
Melissa Burns

LAKE VIRGINIA

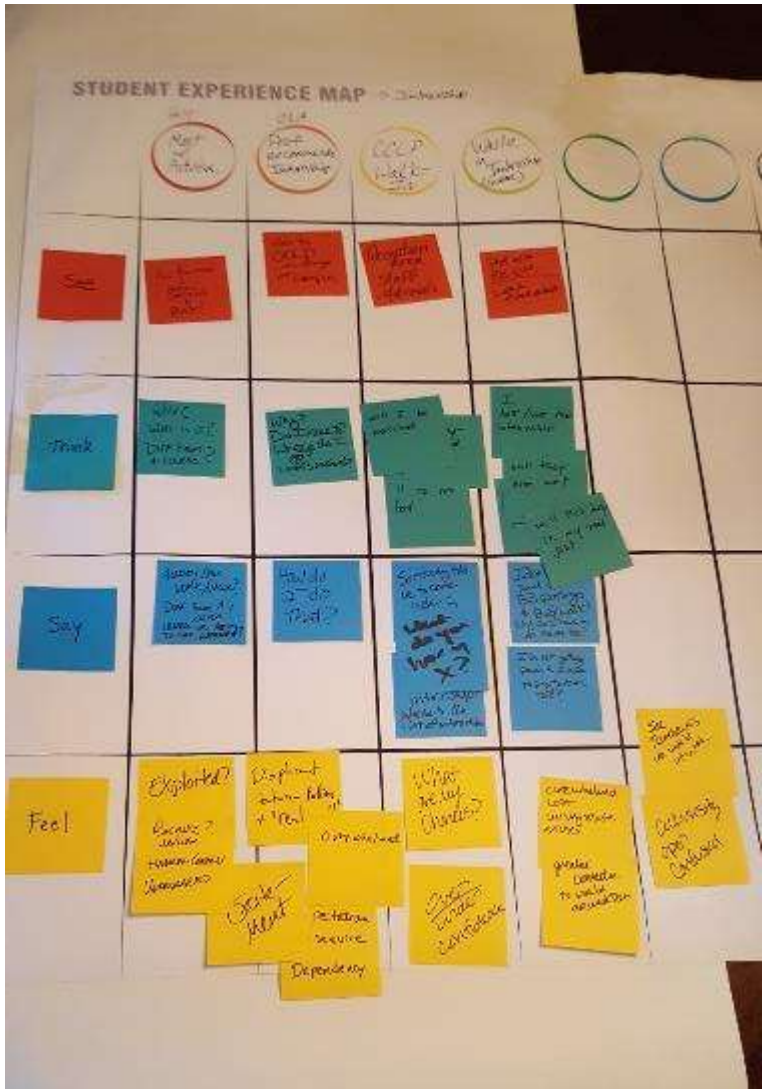

WP101 MILLS MEMORIAL LIBRARY, ROLLINS COLLEGE, WINTER PARK, FLORIDA

HALL

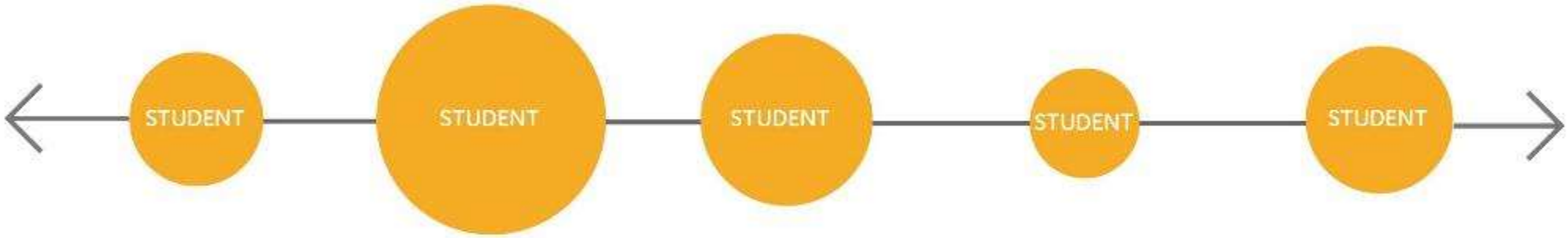
How did we begin?


INTEGRATED MENTORSHIP TEAM
ACADEMIC
CAREER
PLANNING
ADVISING
CAREER & LIFE PLANNING
FELLOWSHIPS
COLLABORATIVE RESEARCH
R-COMPASS
RESOURCES
LIBRARIANS
TUTORING & WRITING
IT HELP
DISABILITY SERVICES
INSTRUCTIONAL DESIGN
JOHNSON INSTITUTE
ADVISING
FACULTY
STUDENT
MEANINGFUL LIVES,
PRODUCTIVE CAREERS...
CO-CURRICULAR
SUPPORT
INTEGRATED MENTORSHIP TEAM

DAY OF DESIGN THINKING @ BARKER HOUSE

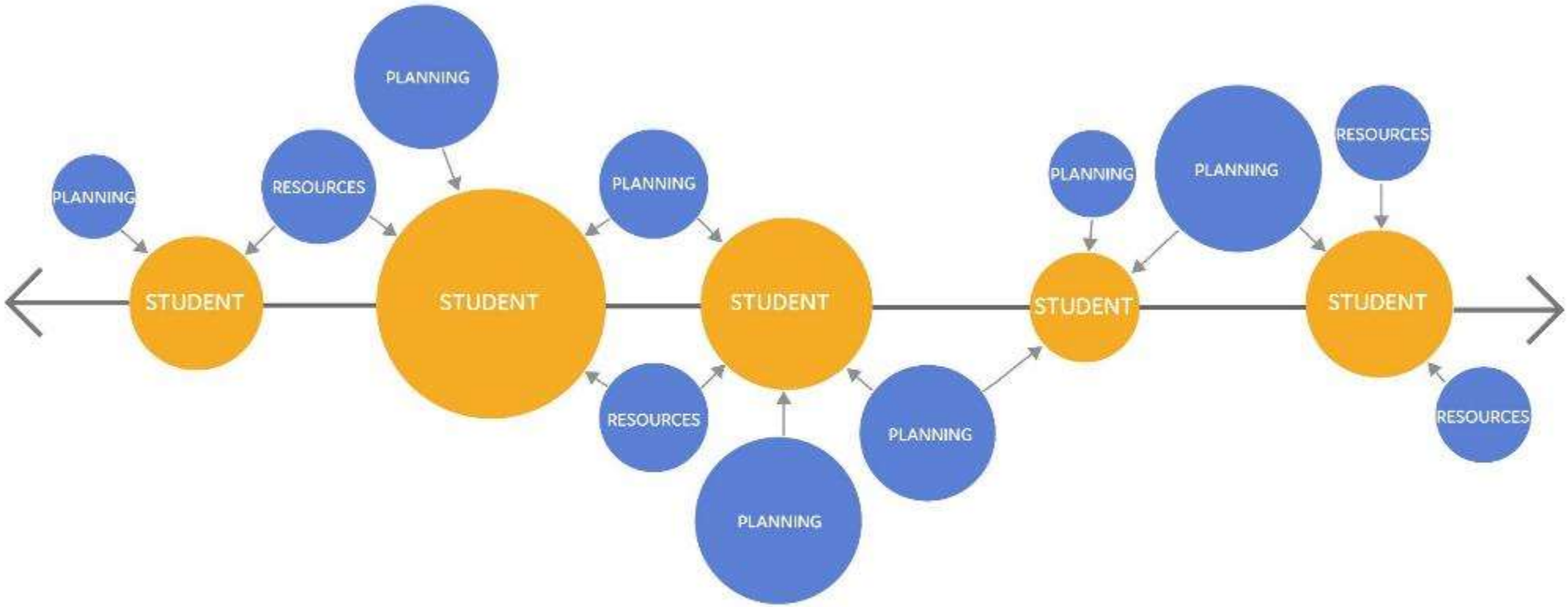


DAY OF DESIGN THINKING @ BARKER HOUSE



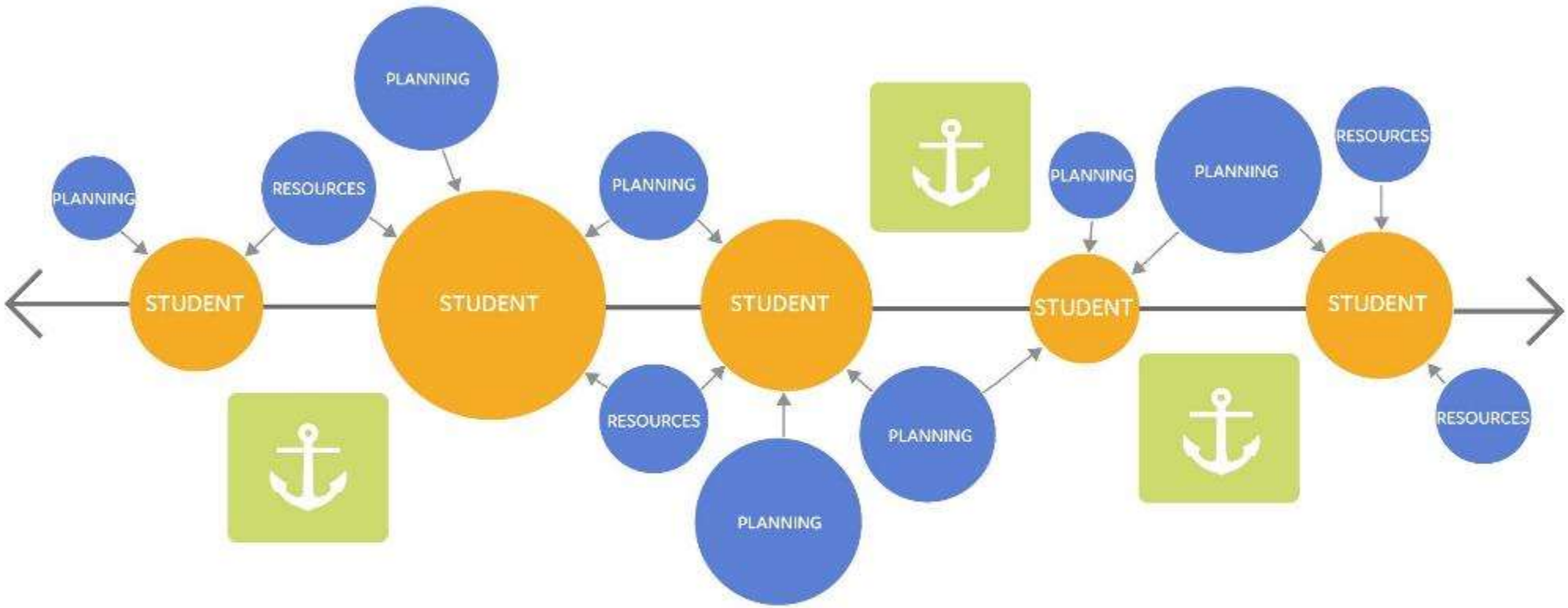
ROLLINS

Olin Academic Resource (OAR)



ROLLINS

Olin Academic Resource (OAR)

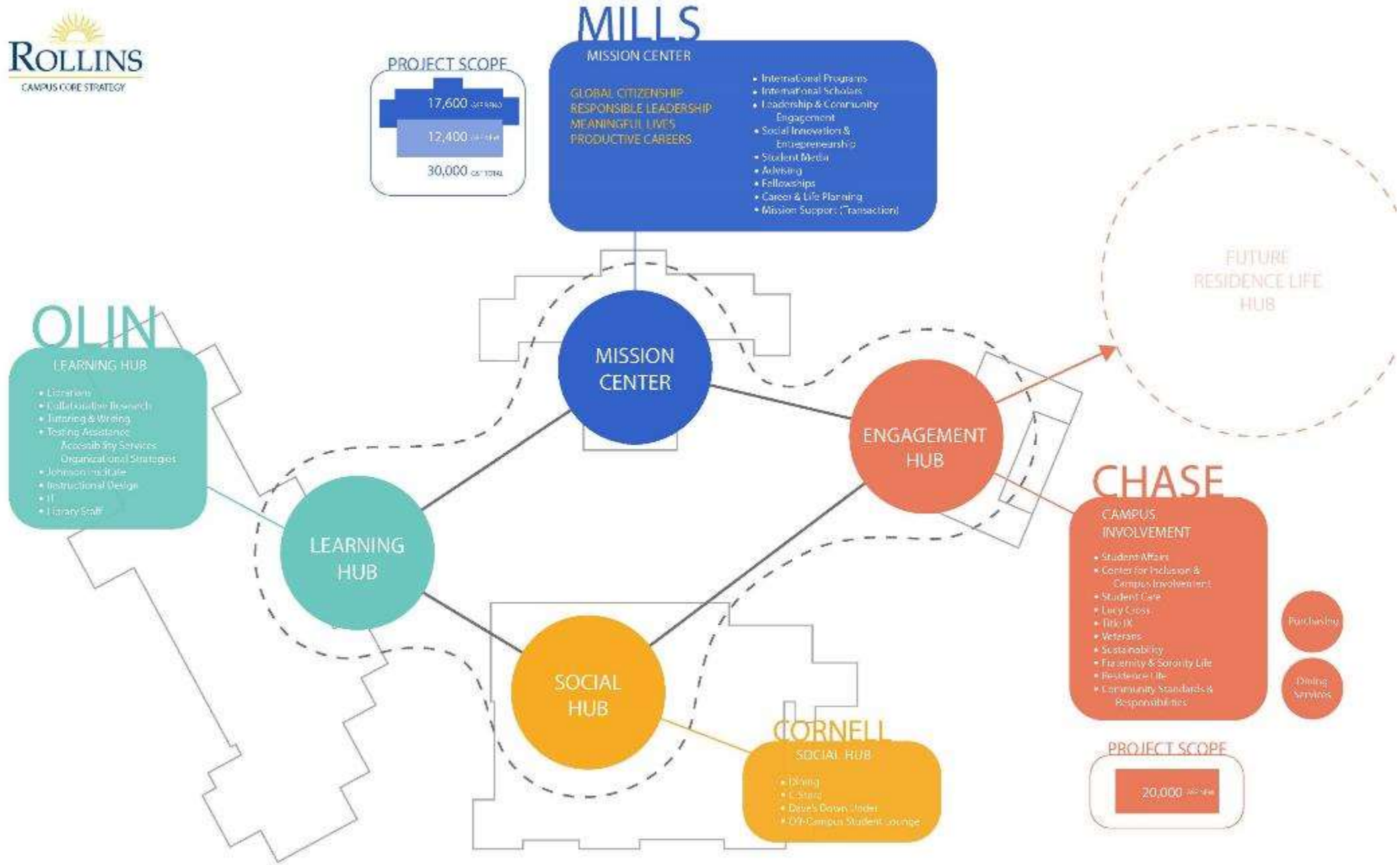


ROLLINS

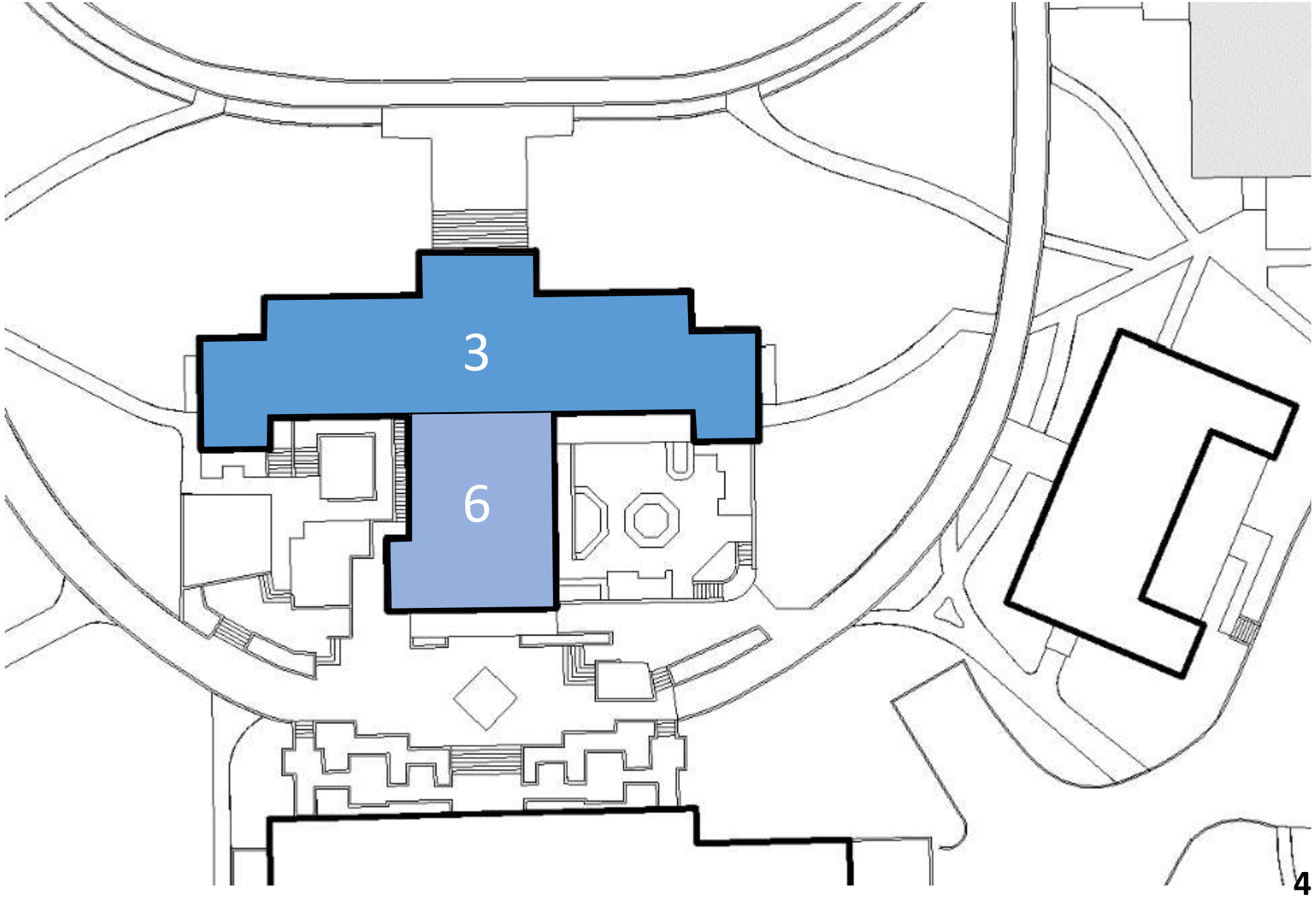
Olin Academic Resource (OAR)

Moving from Olin Library to MILLS

ROLLINS
CAMPUS CORE STRATEGY

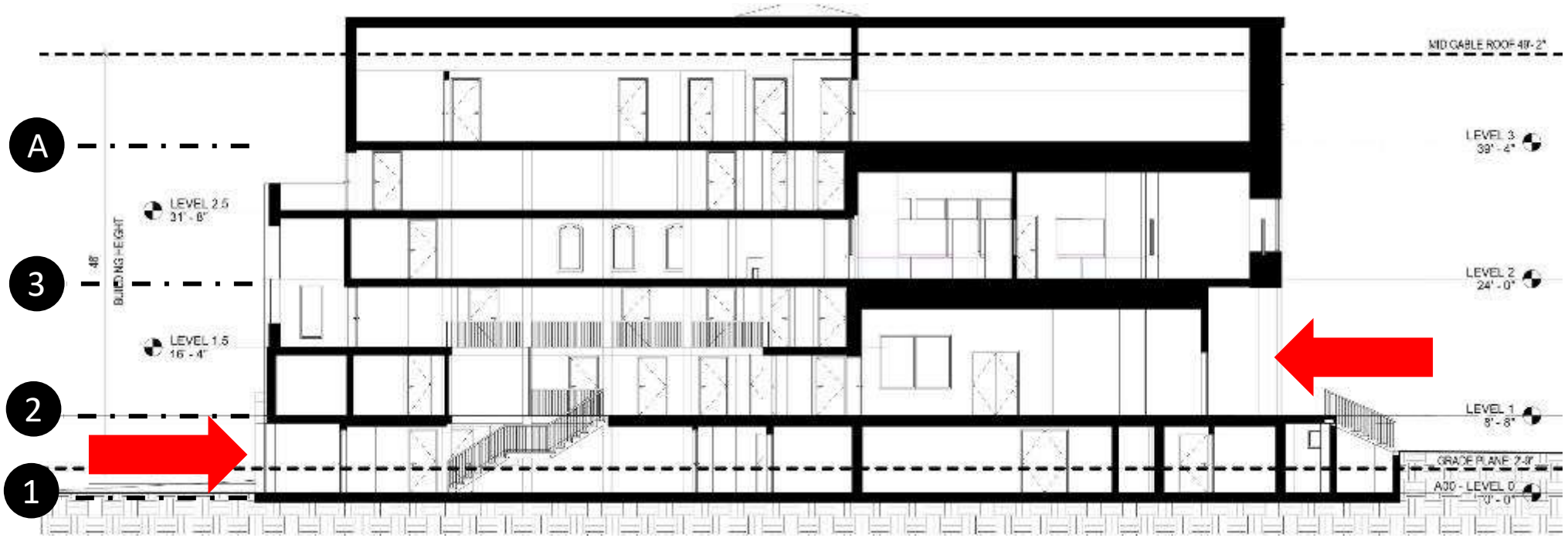


Mills – Existing



ROLLINS

Mills – Existing



Rita's Fountain | South Wing | North Wing | Mills Lawn

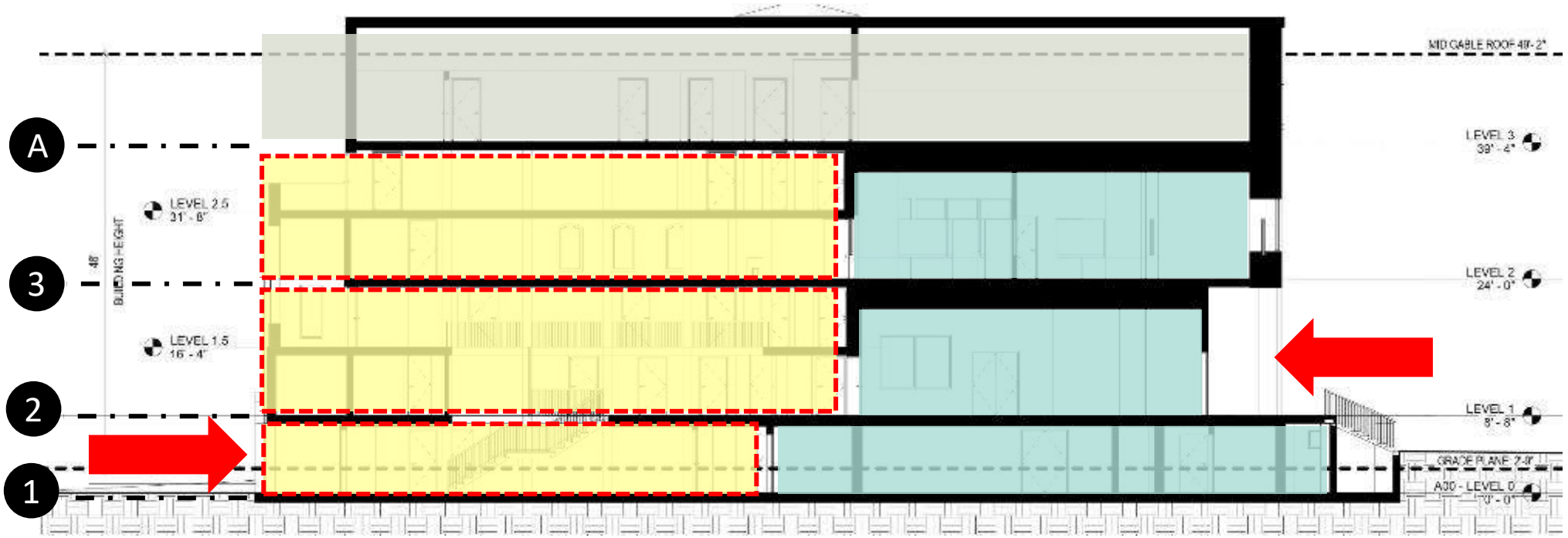
ROLLINS

Mills - Proposed

Attic / Mechanical

Renovation

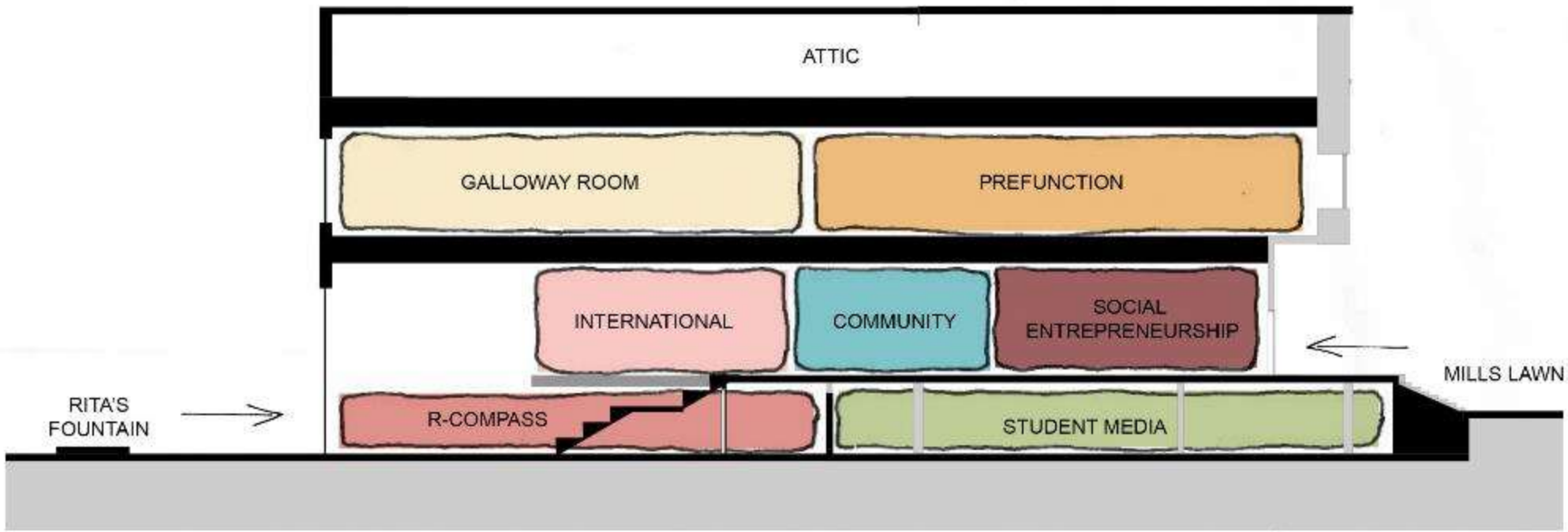
New Construction

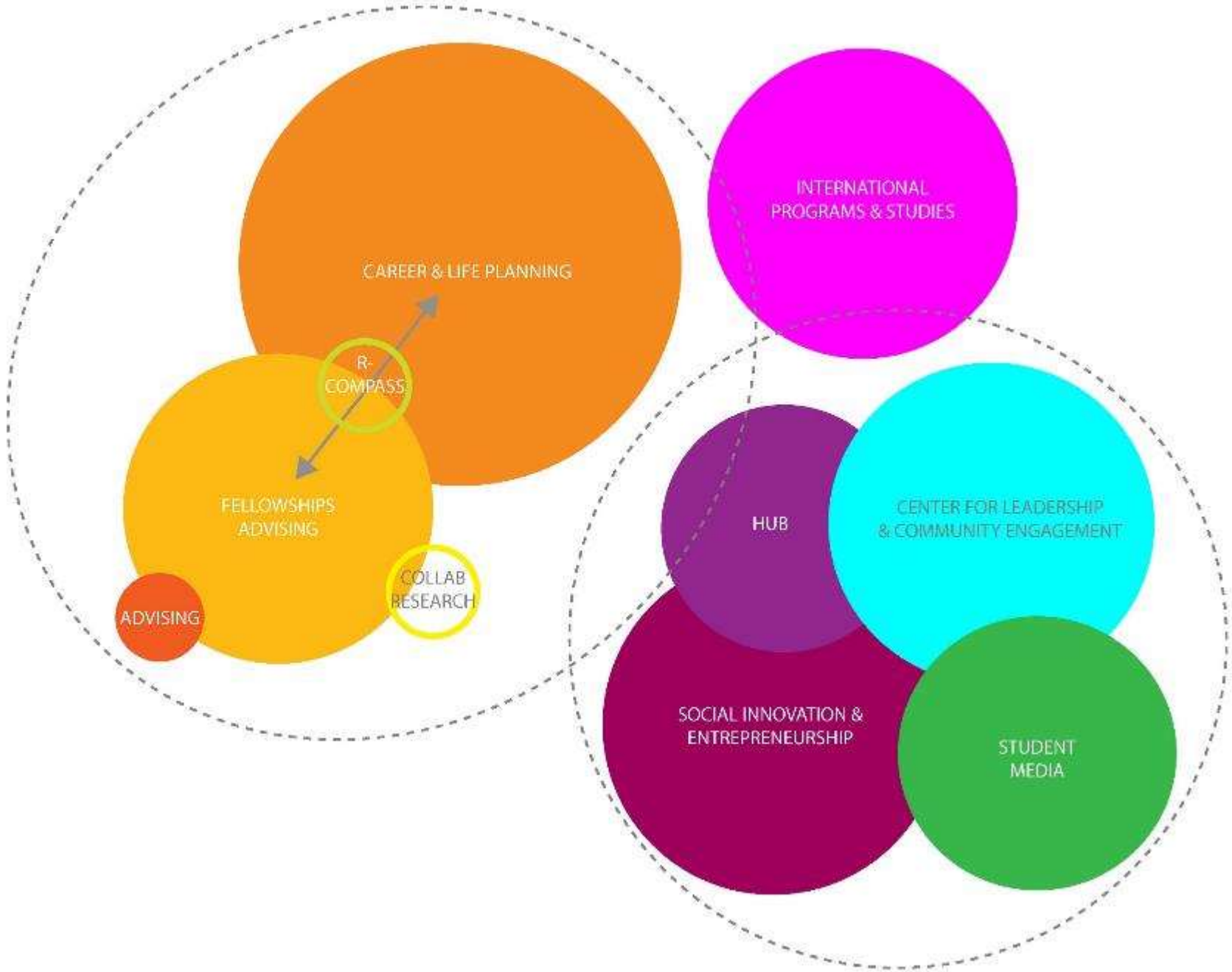


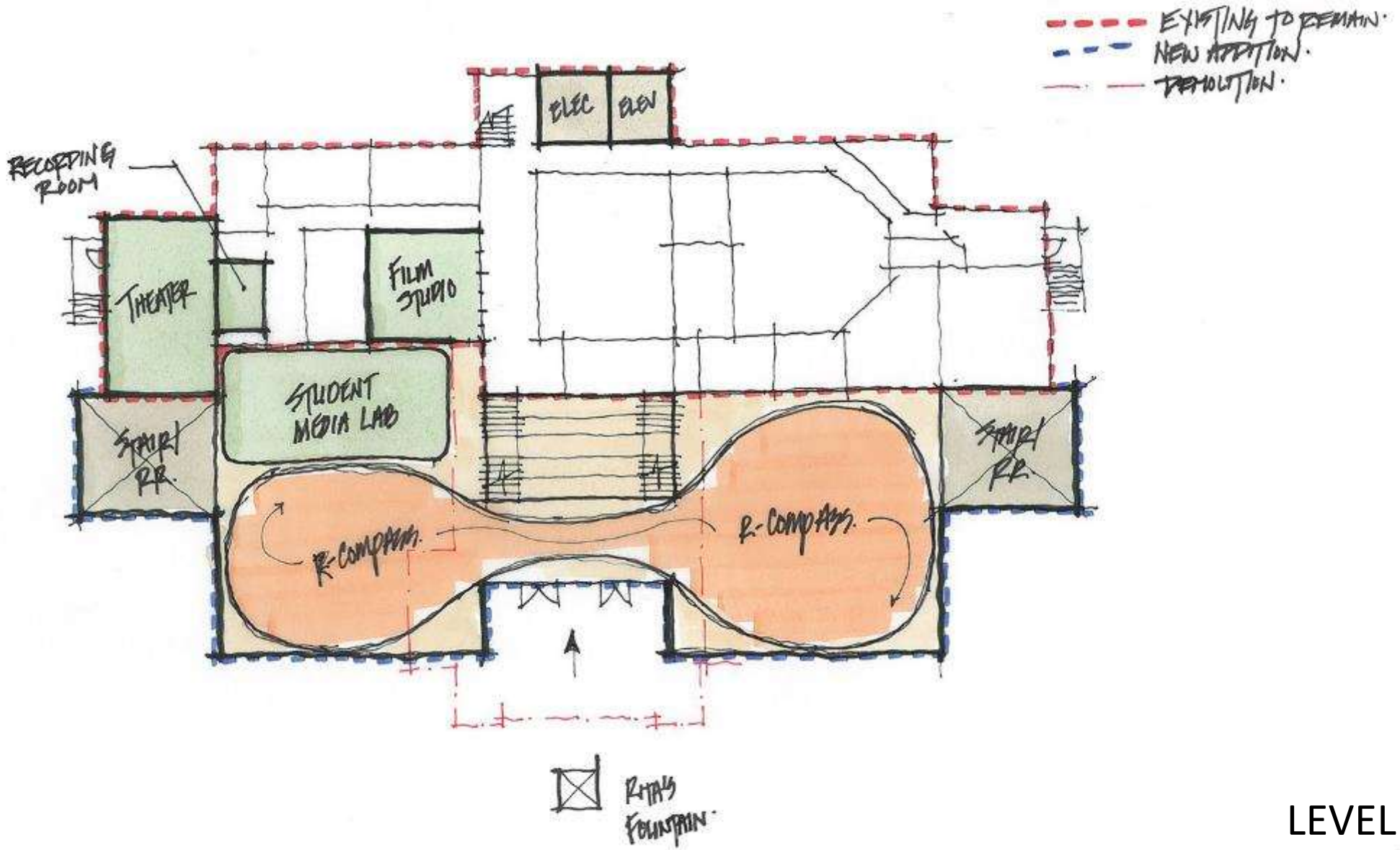
Rita's Fountain | South Addition | North Wing | Mills Lawn

ROLLINS

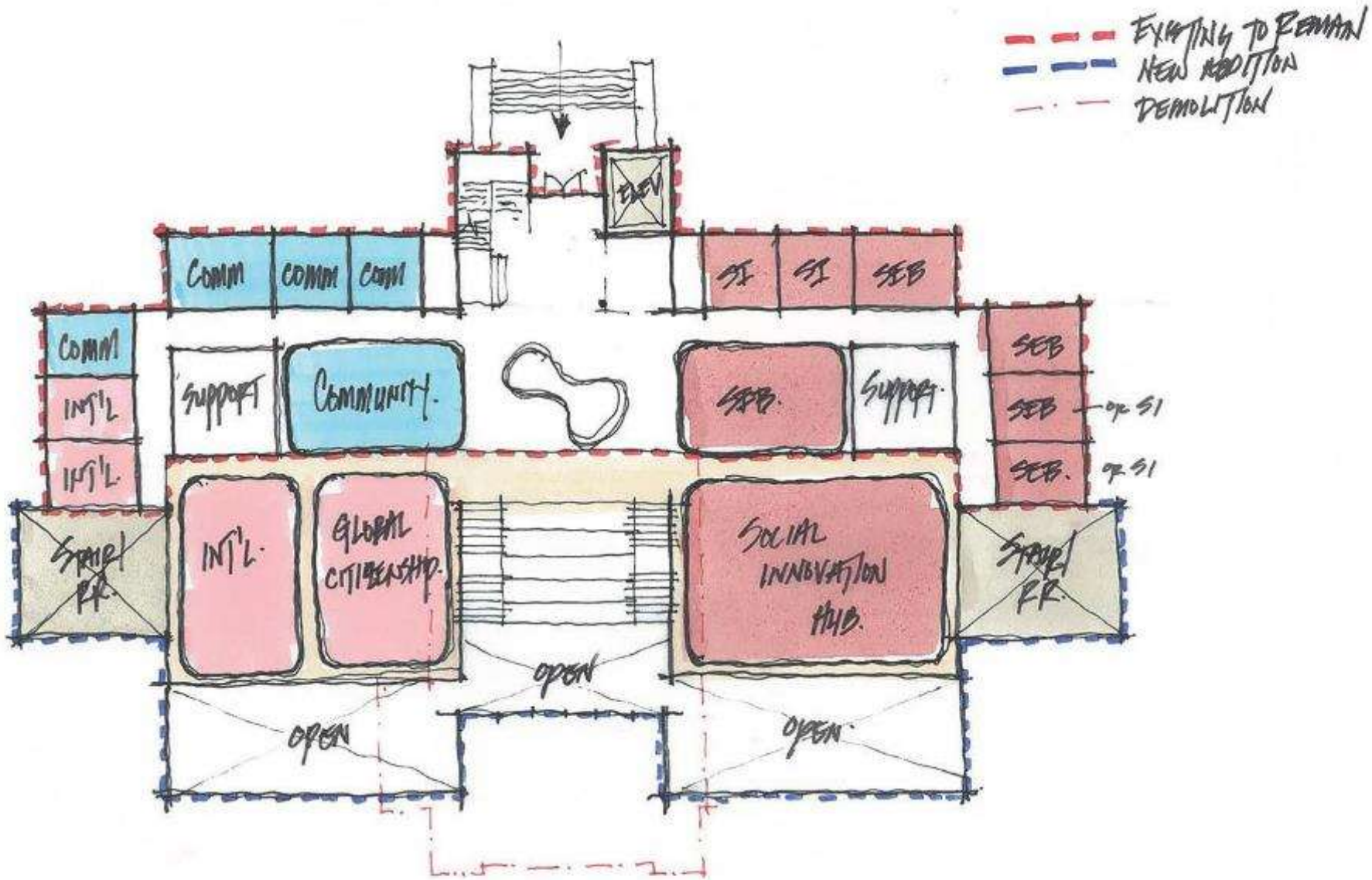
ROLLINS
125


ATTIC
GALLOWAY ROOM
PREFUNCTION
INTERNATIONAL
COMMUNITY
SOCIAL ENTREPRENEURSHIP
MILLS LAWN
RITA'S FOUNTAIN
R-COMPASS
STUDENT MEDIA

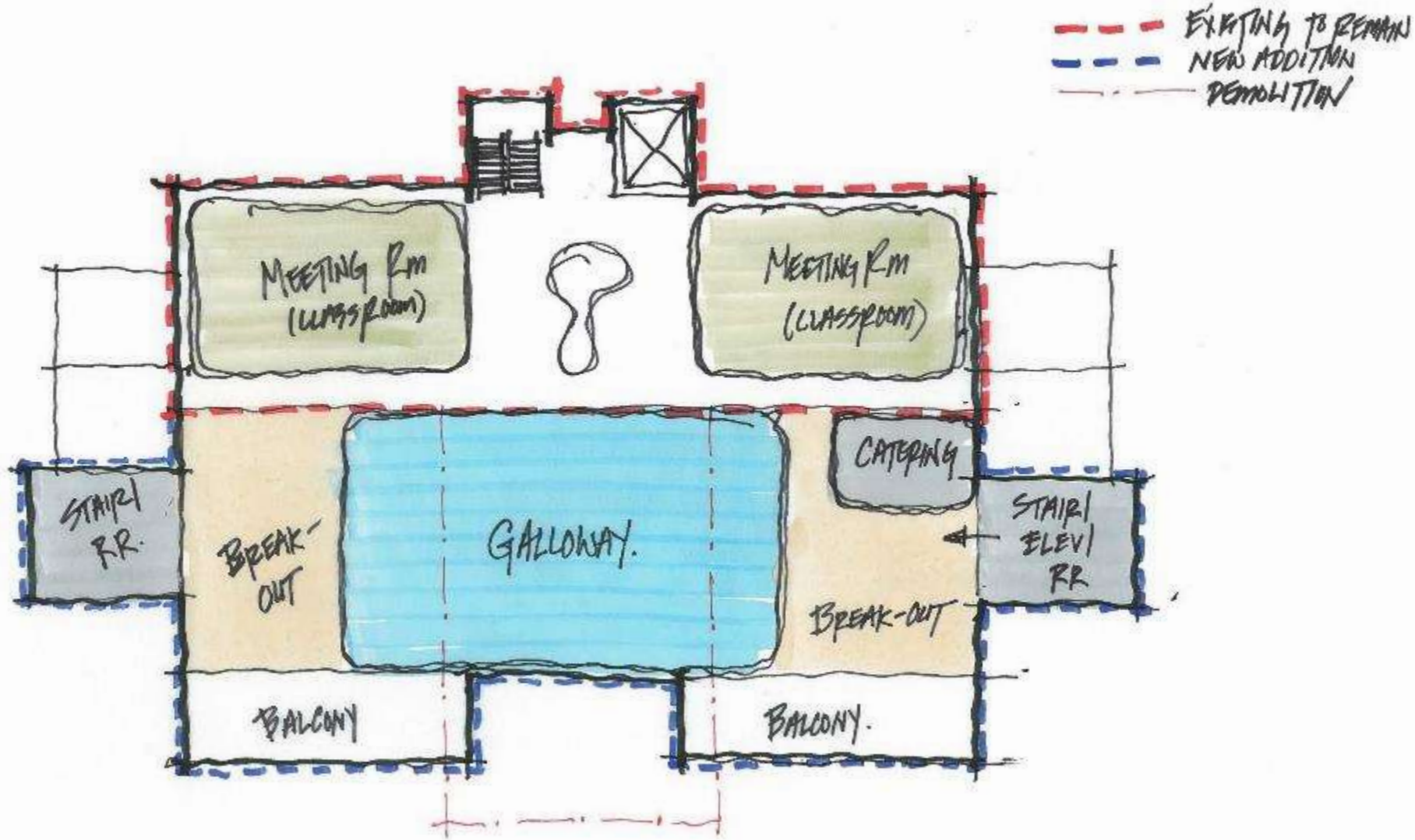

CAREER & LIFE PLANNING
R-COMPASS
FELLOWSHIPS ADVISING
ADVISING
COLLAB RESEARCH
INTERNATIONAL PROGRAMS & STUDIES
HUB
CENTER FOR LEADERSHIP & COMMUNITY ENGAGEMENT
SOCIAL INNOVATION & ENTREPRENEURSHIP
STUDENT MEDIA


EXISTING TO REMAIN.
NEW ADDITION.
DEMOLITION.
ELEC
ELEV
RECORDING ROOM
THEATER
FILM STUDIO
STUDENT MEDIA LAB
STAIR/ RR.
STAIR/ RR.
R-COMPASS.
R-COMPASS.
RITA'S FOUNTAIN.

LEVEL 1


EXISTING TO REMAIN
NEW ADDITION
DEMOLITION
ELEV
COMM
COMM
COMM
SI
SI
SEB
COMM
INT'L
INT'L
SUPPORT
COMMUNITY
SEB
SUPPORT
SEB
SEB
SEB
OR SI
SEB
OR SI
STAIR/ EL.
INT'L
GLOBAL CITIZENSHIP
SOCIAL INNOVATION HUB
STAIR/ EL.
OPEN
OPEN
OPEN

LEVEL 2


EXISTING TO REMAIN
NEW ADDITION
DEMOLITION
MEETING Rm (CLASSROOM)
MEETING Rm (CLASSROOM)
STAIR/ RR.
BREAK-OUT
GALLOWAY.
CATERING
STAIR/ ELEV/ RR
BREAK-OUT
BALCONY
BALCONY.

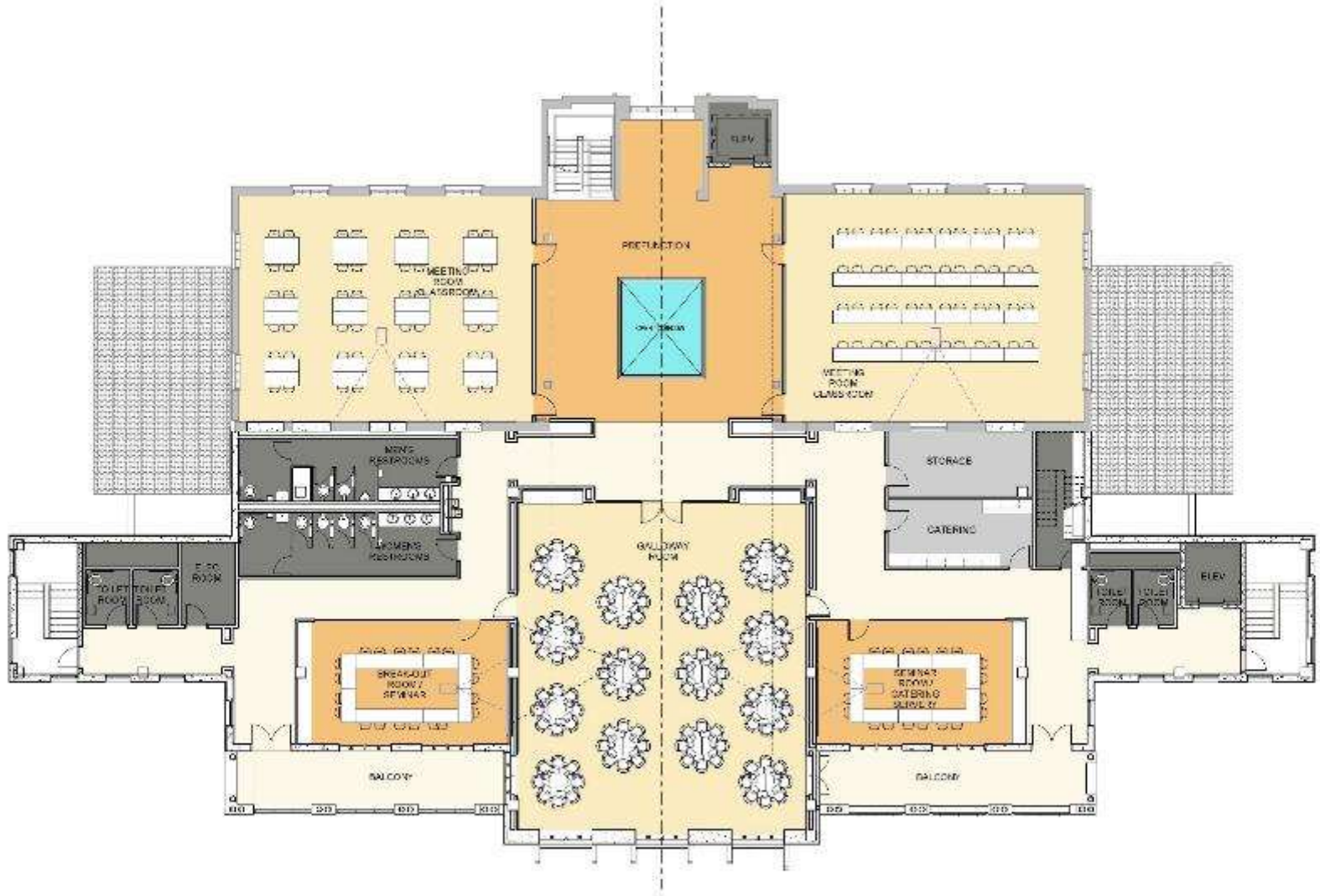
LEVEL 3

Where are we now?

EYP

50 GROUND LEVEL FLOOR PLAN

SD LEVEL 1 FLOOR PLAN



EYP/

SD LEVEL 2 FLOOR PLAN

"Stop by Mills and savor the buzz of activity as we develop responsible leaders and global citizens, prepared to lead meaningful lives,"

- Provost Susan Singer

Conversation with Colleagues

Joan Lippincott

Associate Executive Director – CNI

Making the Case for Inviting Spaces

- Collaborative spaces for informal learning
- Spaces with high-end technologies
- Spaces for innovation and for making things
- Spaces that allow and invite displays of cultural heritage and institutional context
- Spaces that are welcoming, designed as "community-building" spaces.

“Is this a library?”

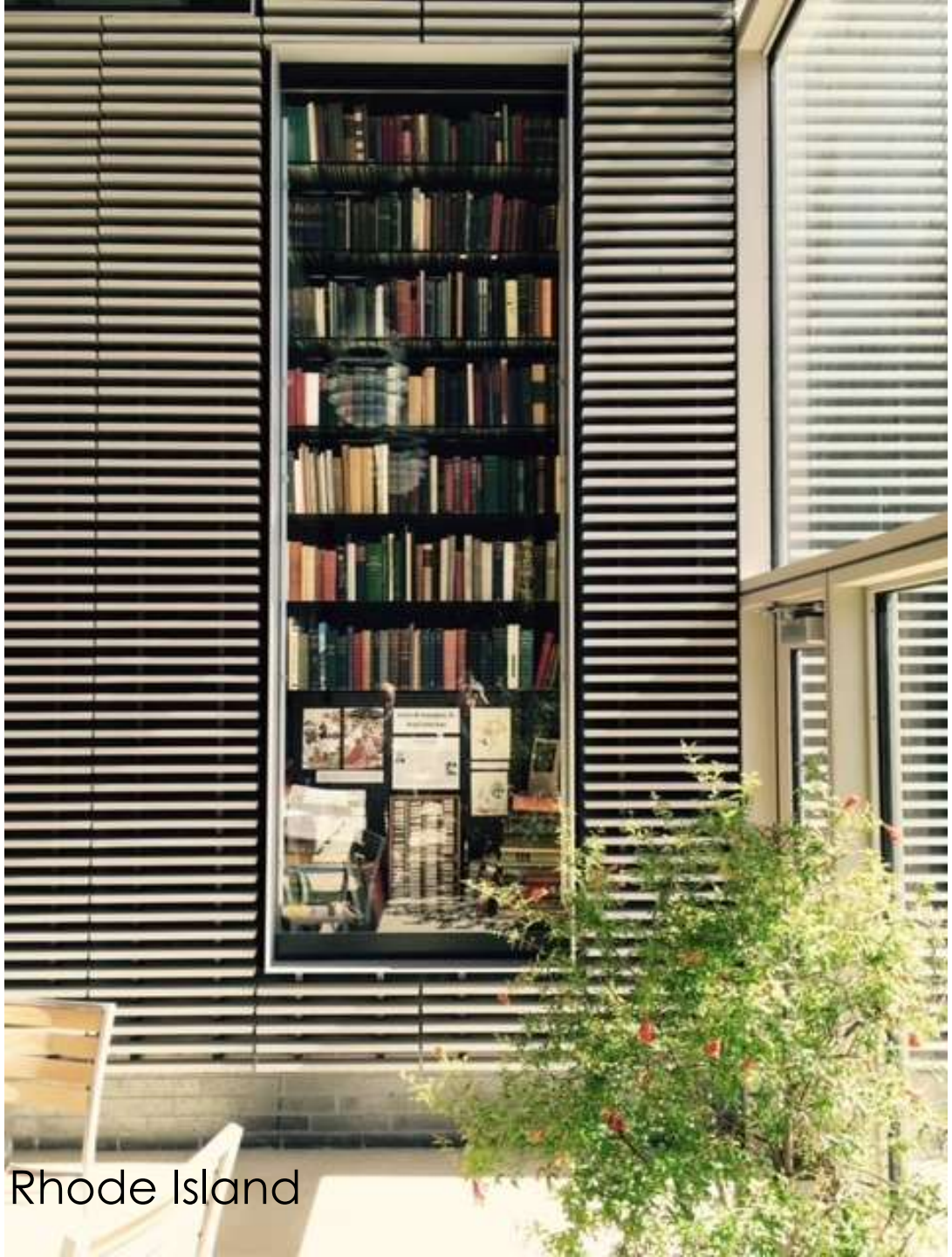
Learning Commons

Brigham Young University

Makerspace

Northeastern University Library

U. Wisconsin Madison



U. Rhode Island

Wilmeth Active Learning Center - Purdue

Making the Case: *Core Mission and Values*

- Supporting the institutional mission
  - research
  - teaching & learning
  - community service
- Supporting societal values
  - access to information
  - stewardship of and celebration of cultural heritage
  - fostering community

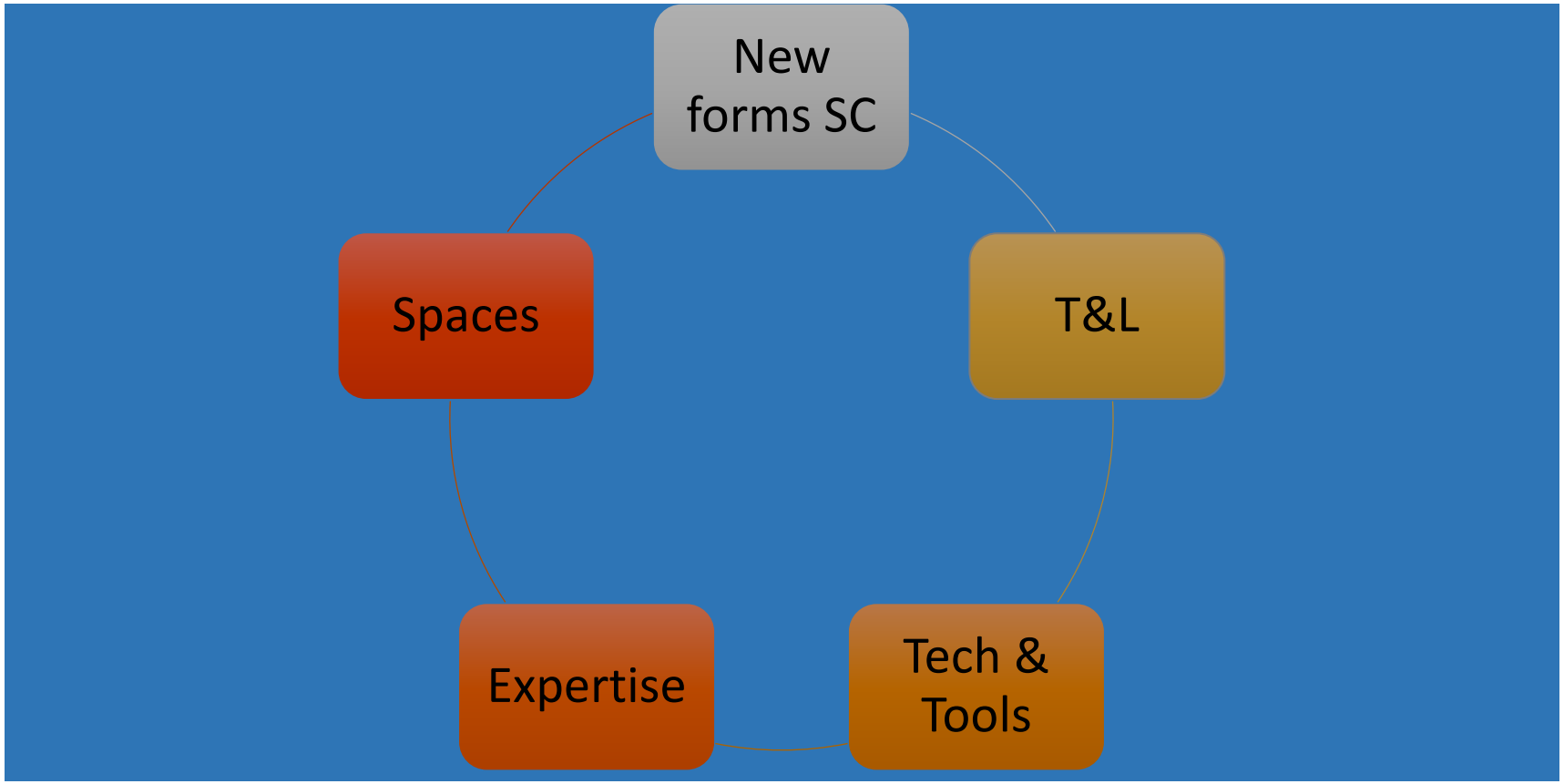
Making the Case: *Changes*

- Supporting research
  - digital scholarship centers
  - data centers
  - visualization, AI, and virtual reality facilities
- Supporting learning and teaching
  - active, social learning
  - service learning
  - undergraduate research

Making the Case: *Rationale*

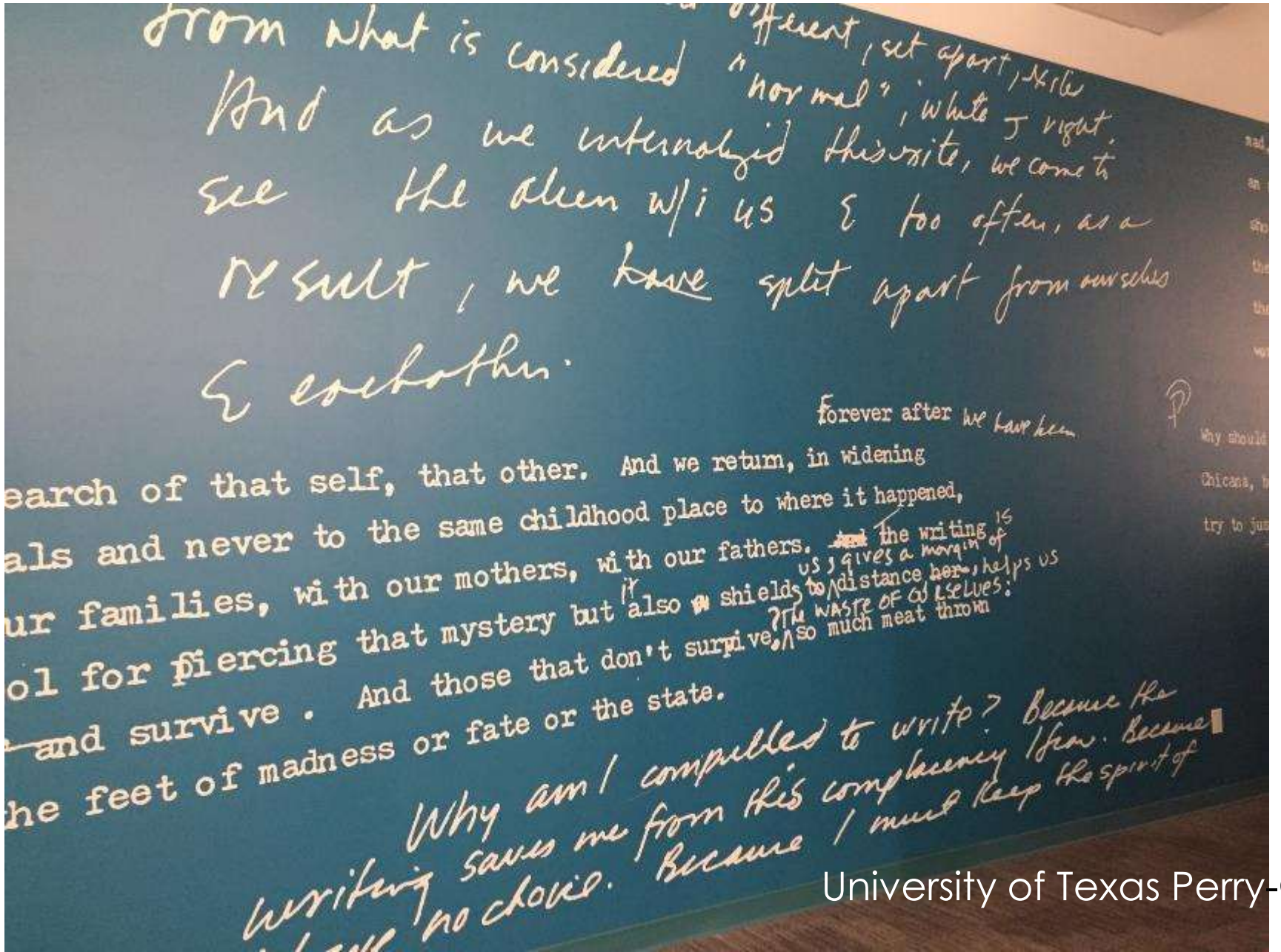
- Bring together expensive technologies for use by all campus departments or sectors of the public
- Bring together expertise to serve all campus departments or all sectors of the public
- Support graduate and undergraduate students and the public independently or through courses and workshops

Reconfigured library spaces create new synergies



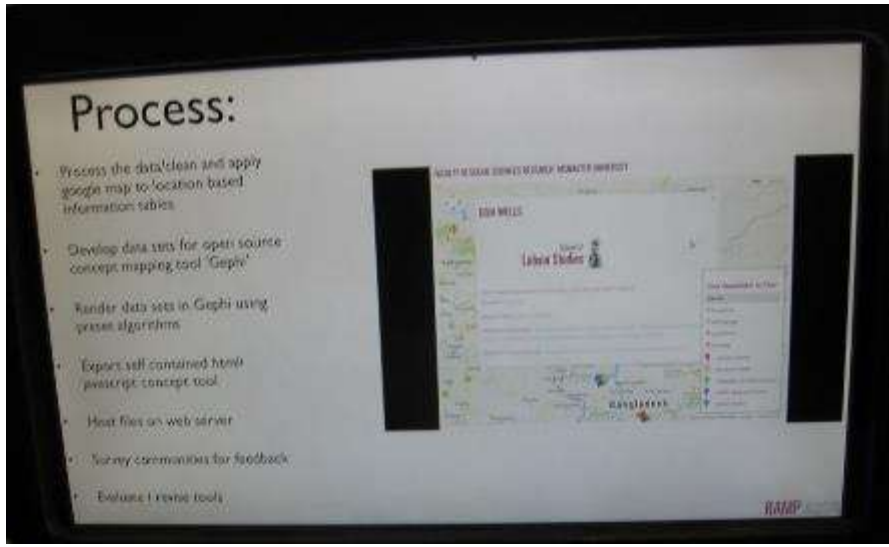
Joan K. Lippincott

… highlighting links of spaces to content

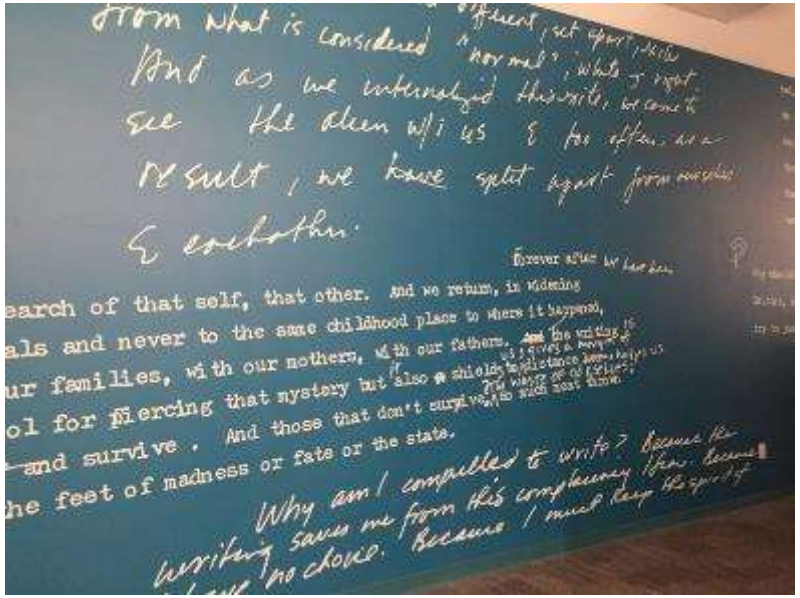


University of Texas Perry-Castaneda Library

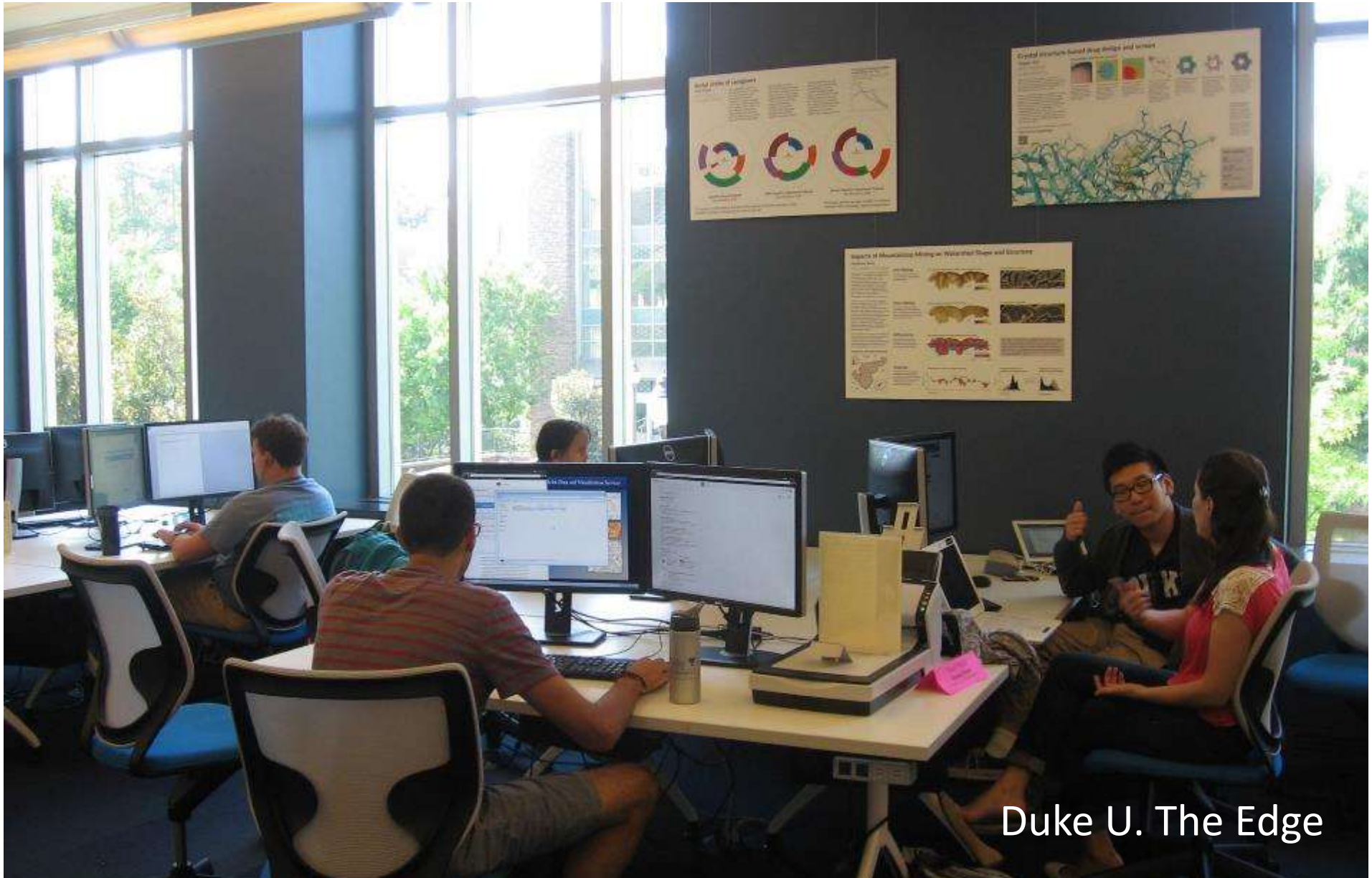
Reconfigured library spaces allow…



Reconfigured library spaces allow…



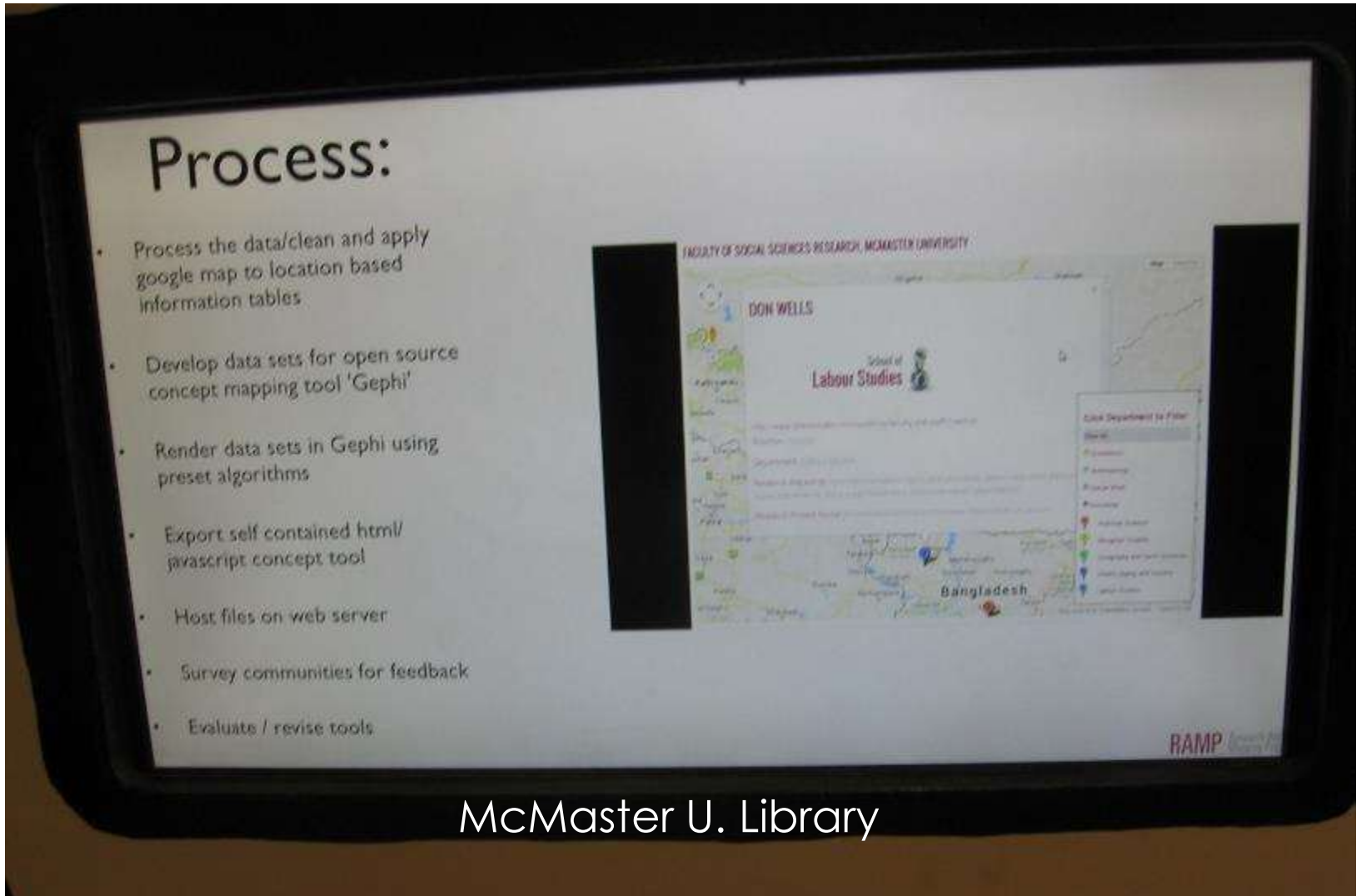
…the display of products of GIS and other specialized software



…the display of work in media

University of Miami Library

…the display of the research process

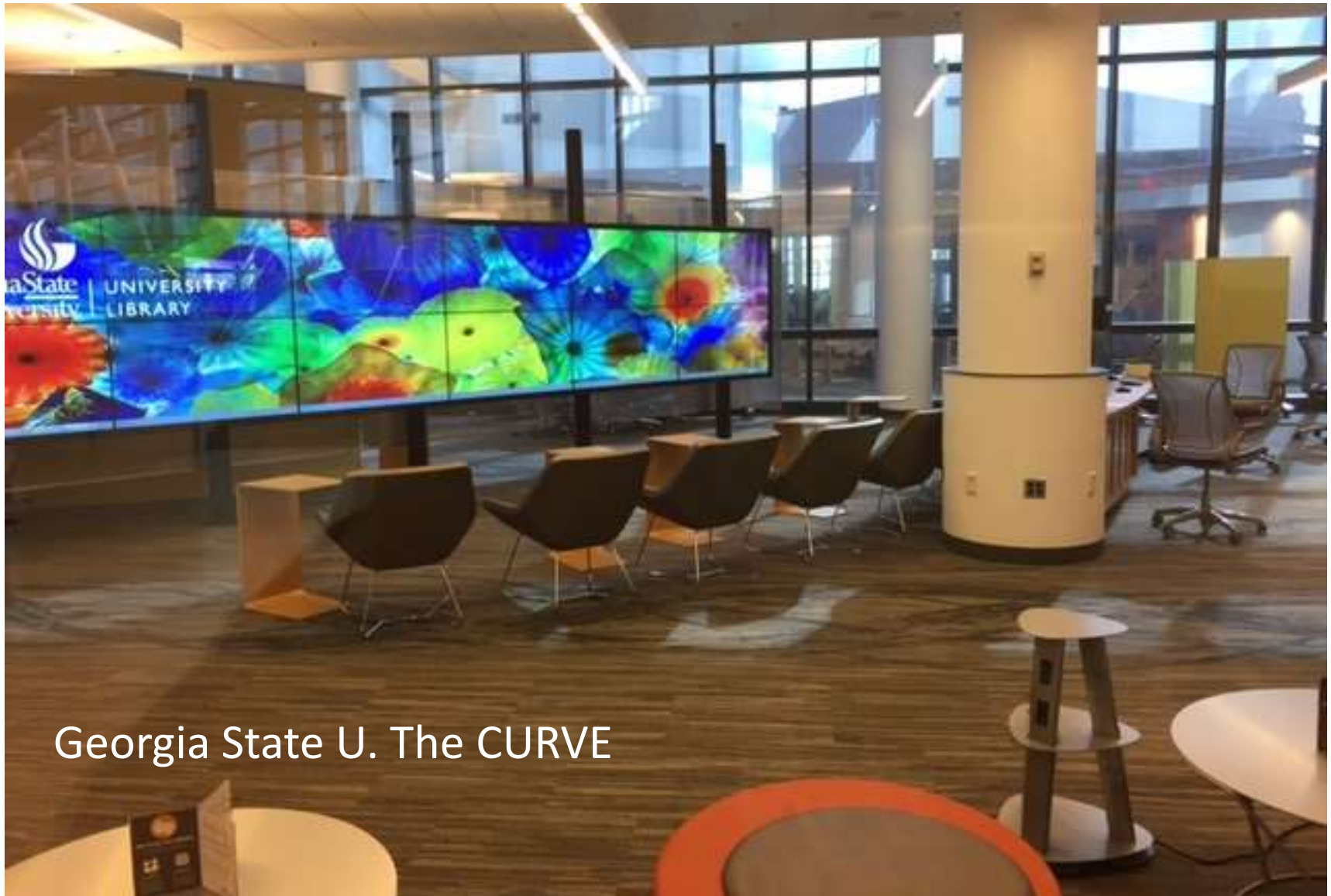


McMaster U. Library

… the visual representation of data

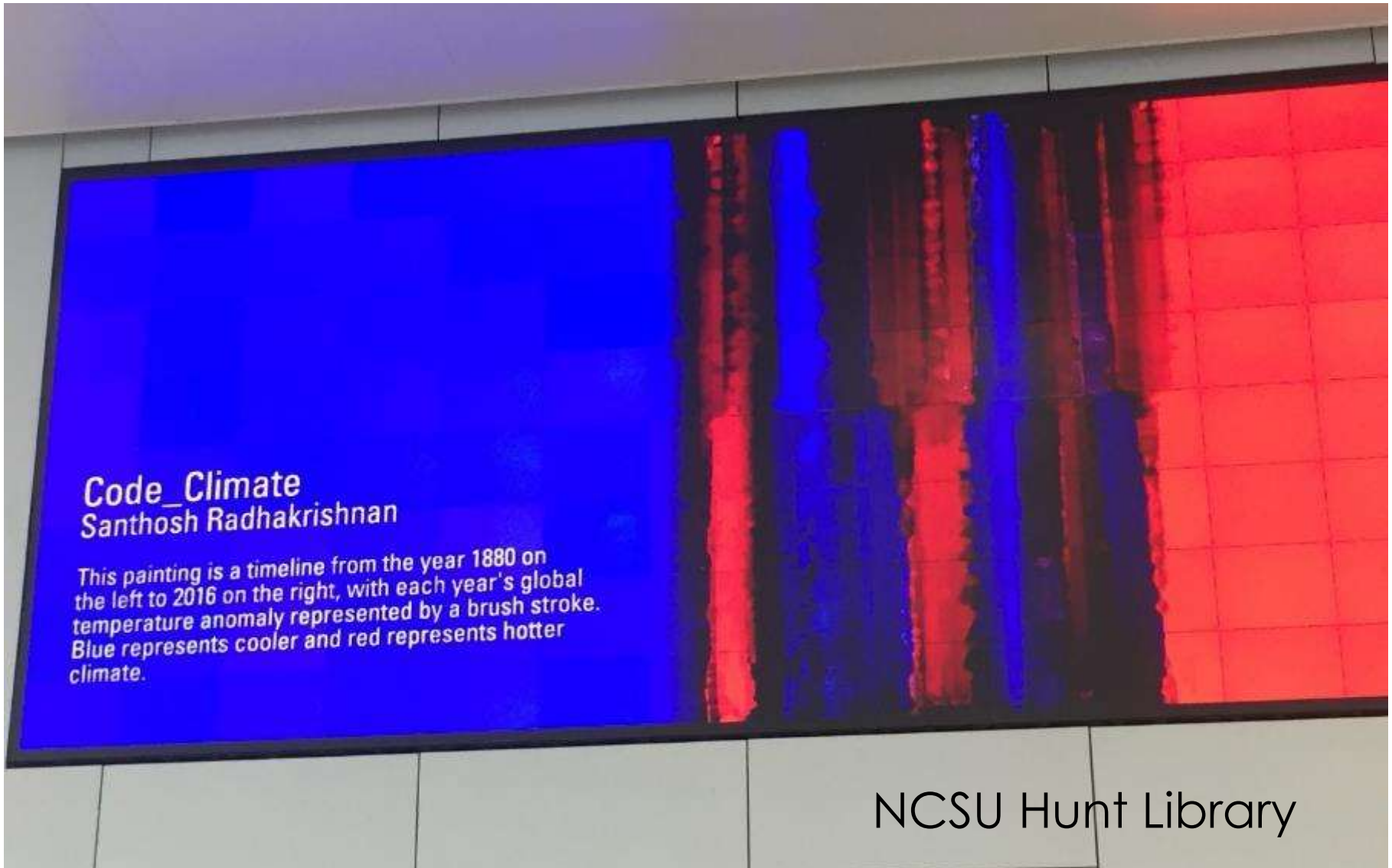
NCSU Hunt Library

… for large displays for analysis and interaction



Georgia State U. The CURVE

… to represent information through art



NCSU Hunt Library

… for celebrating readers and reading

Brigham Young U.

U. Calgary TFD

…for making as learning

Hill Library

NCSU

…for making connections, creating community

Photo courtesy of W. Lee Hisle

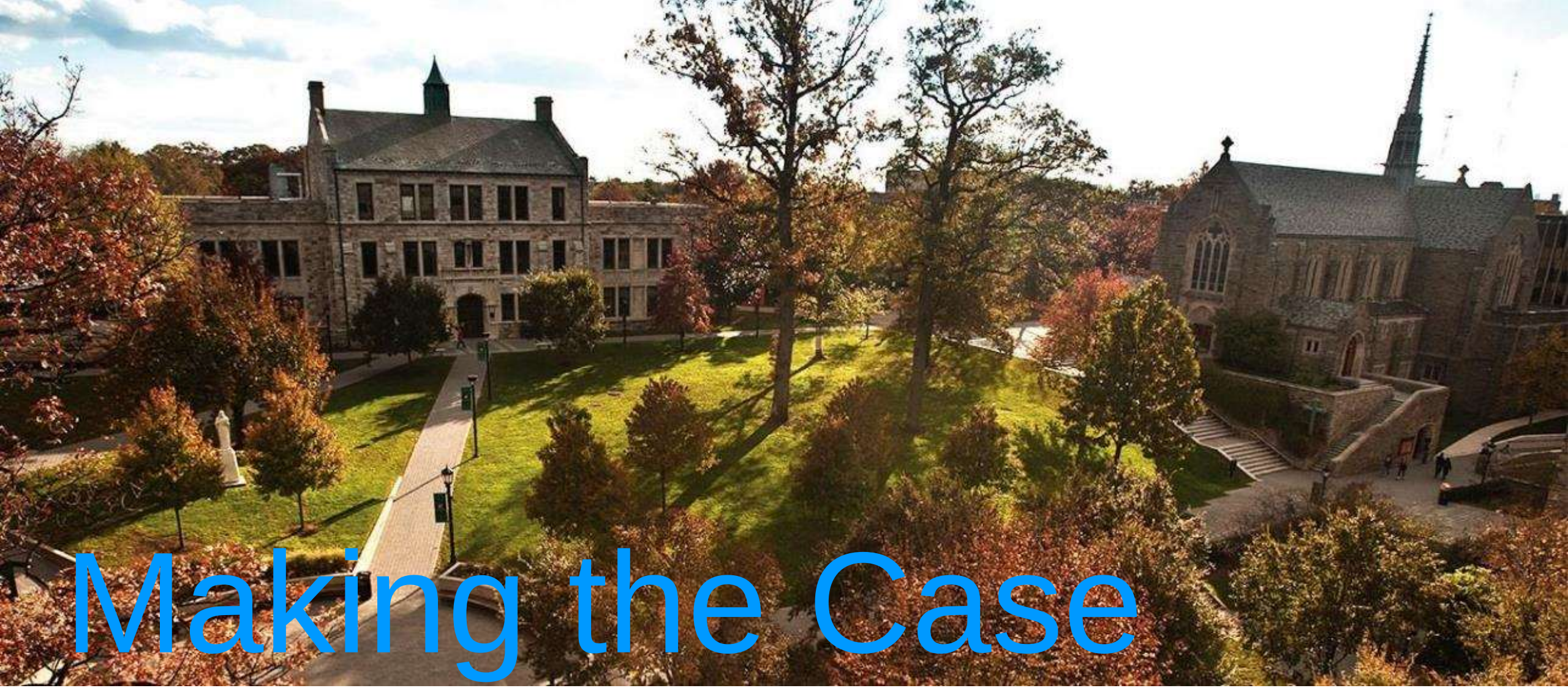
Connecticut College

…for celebrating heritage, connecting to archives

Making Changes While Retaining Core Mission and Values

- Supporting the institutional mission
  - research
  - teaching & learning
  - community service.
- Supporting societal values
  - access to information
  - stewardship of and celebration of cultural heritage
  - fostering community.

Conversation with Colleagues



Making the Case

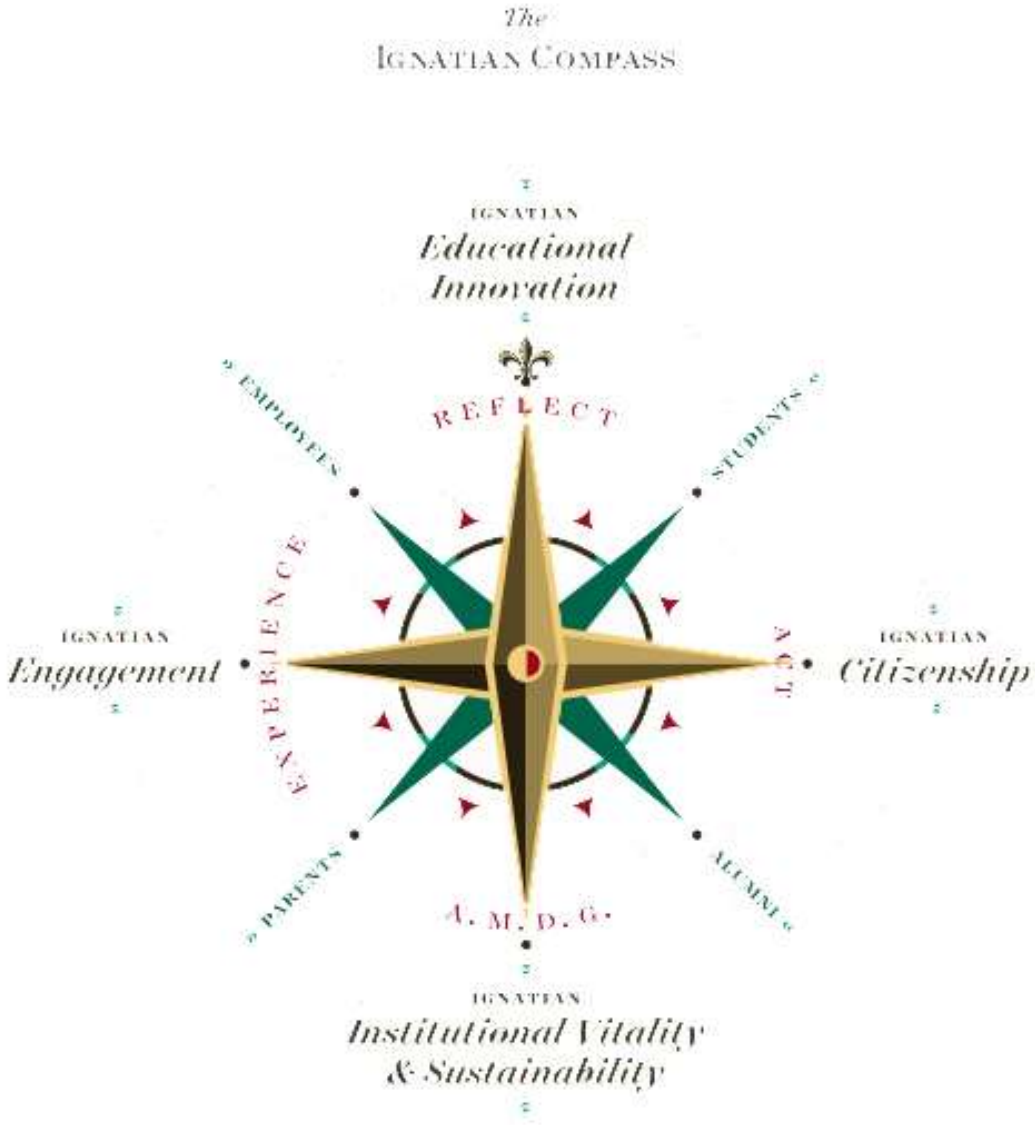
Loyola University of Maryland: how rethinking a building can help make the Strategic Plan real

Jay Verspyck

Shepley Bulfinch

Guiding Principle

- Represent Ignatian roots & the Jesuit mission
- Make academic learning visible on Loyola's Evergreen Campus
- Promote interdisciplinary connections, increased student engagement, and active learning.
- Represent Loyola's dedication to sustainability
- Be welcoming and representing of different cultures
- Provide a home for interdisciplinary majors and minors



Shepley Bulfinch

The Ignatian Citizenship Commons

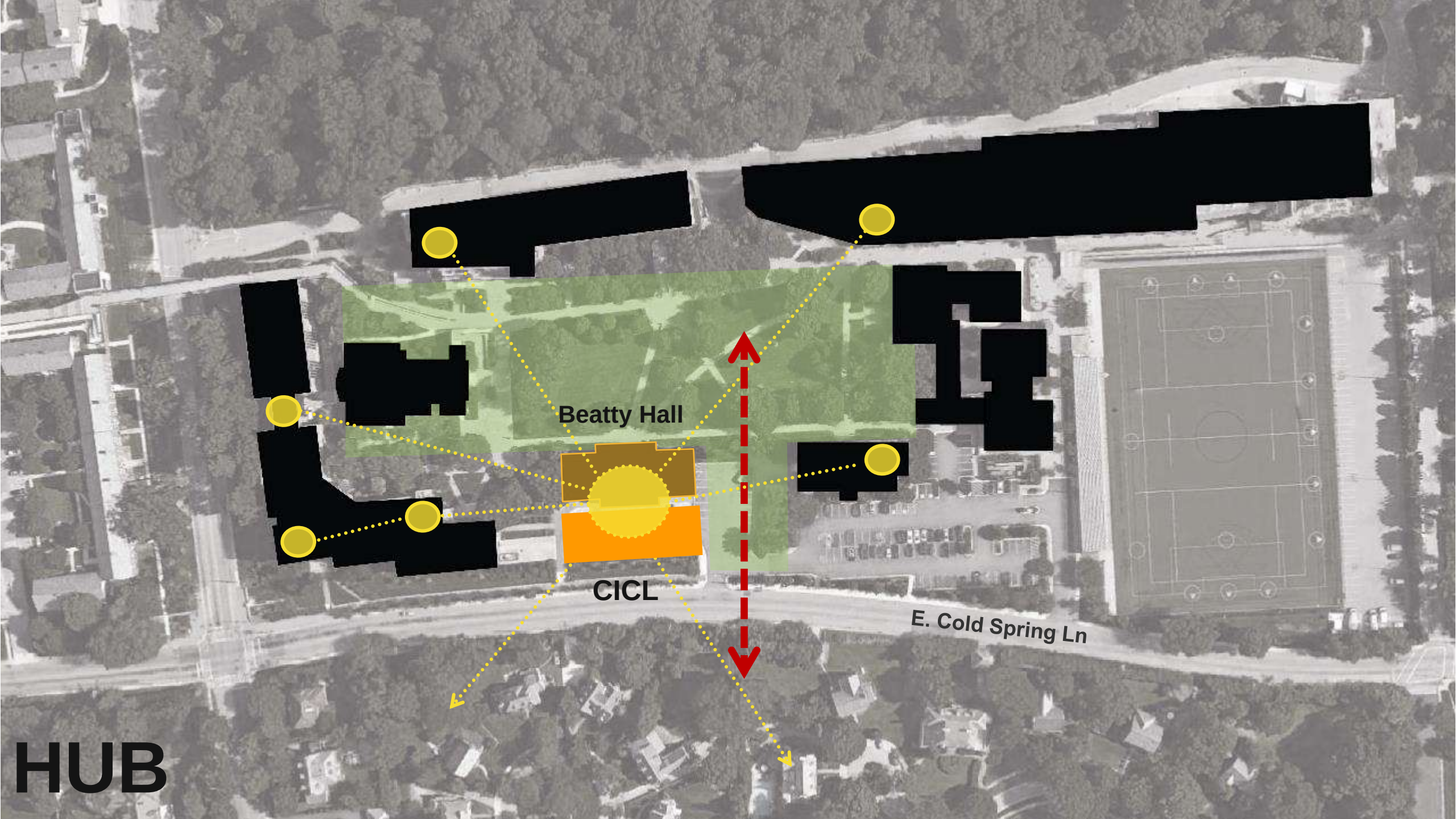
"... the Commons will build community, foster deeper engagement, and collaboratively welcome partners in promoting Ignatian citizenship."

Experience

Reflection

Action

Evolution of the Commons


Beatty Hall
CICL
E. Cold Spring Ln
HUB

What we Heard…

Demystifying Classrooms

Coffee!!!

Variety of spaces and flexible furniture

Maintain connections within departments

More focused work areas

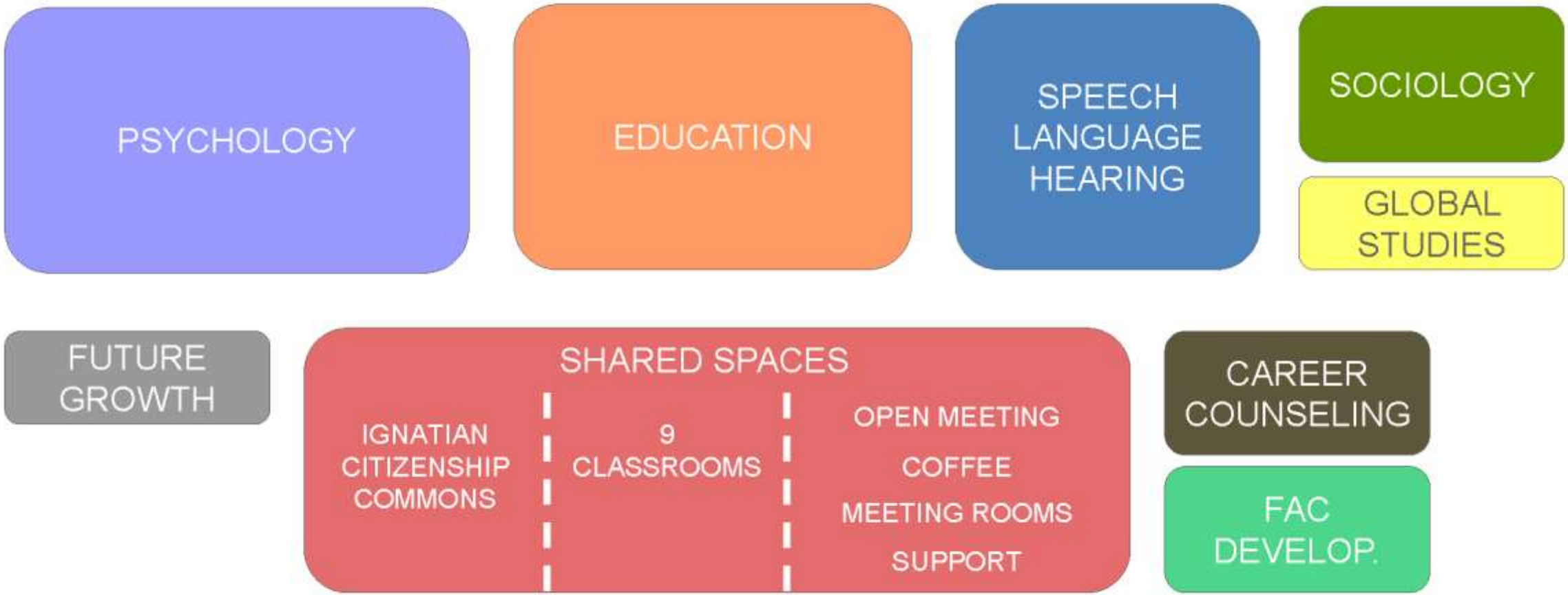
Outdoor seating

Power everywhere

Create a Buzz

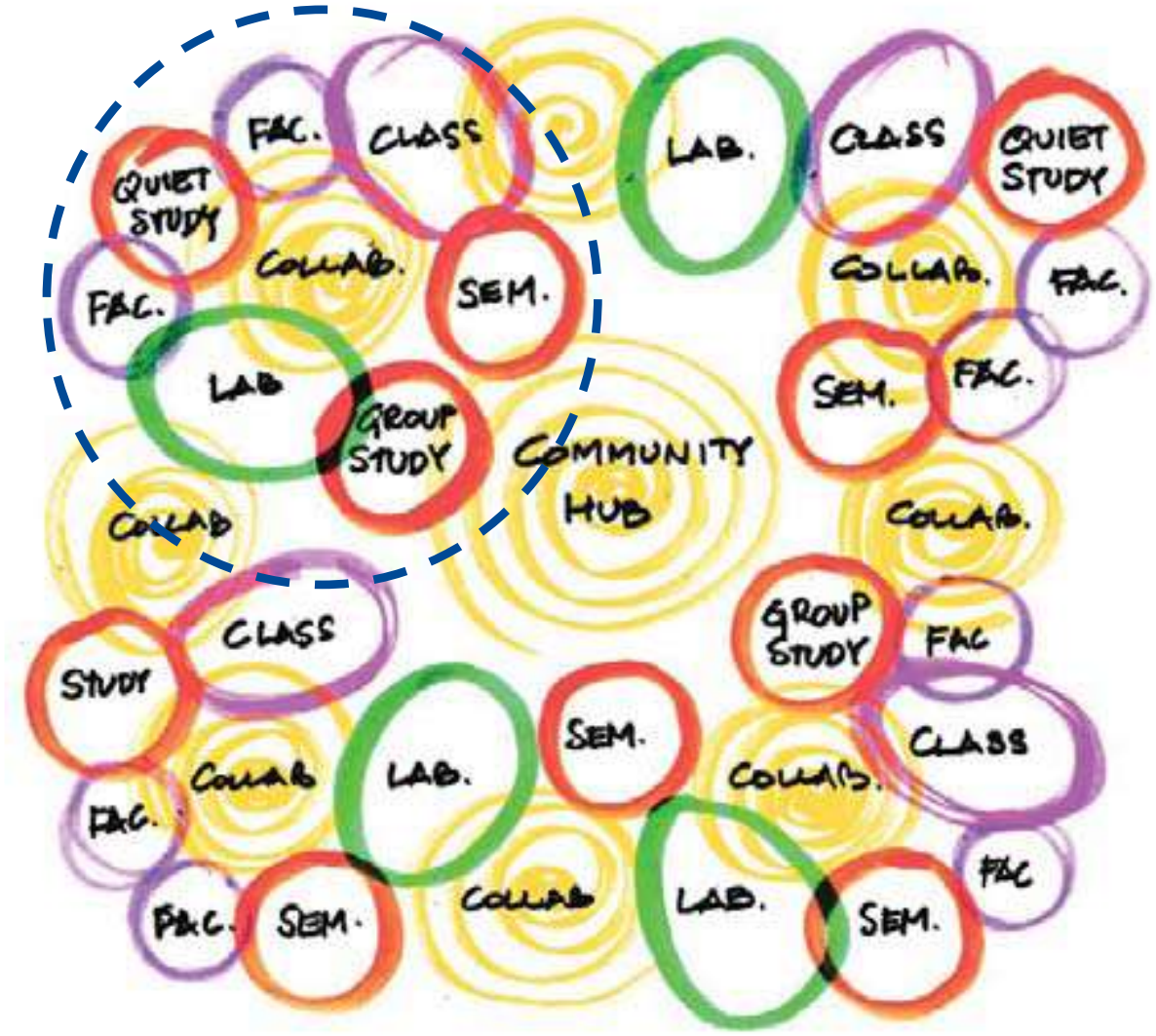
Inclusive Branding

From Integrated Behavioral Science Center to…



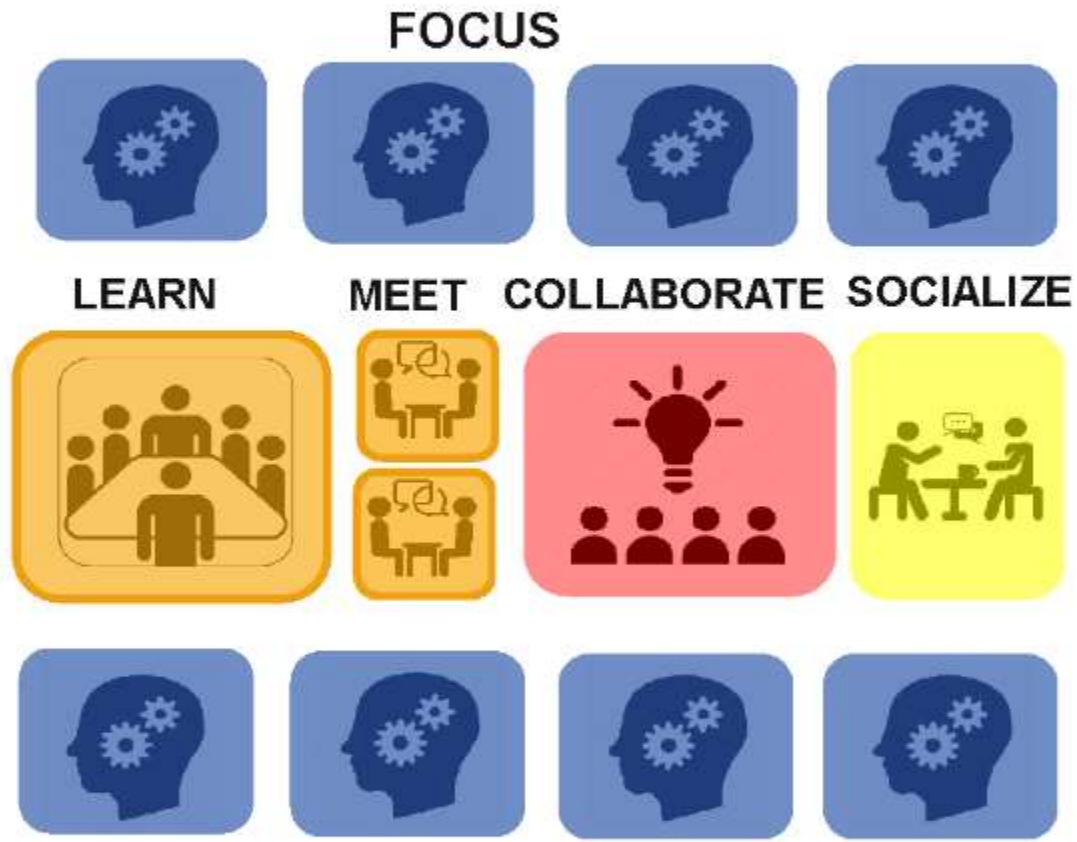
Shepley Bulfinch

Center for Innovation and Collaborative Learning



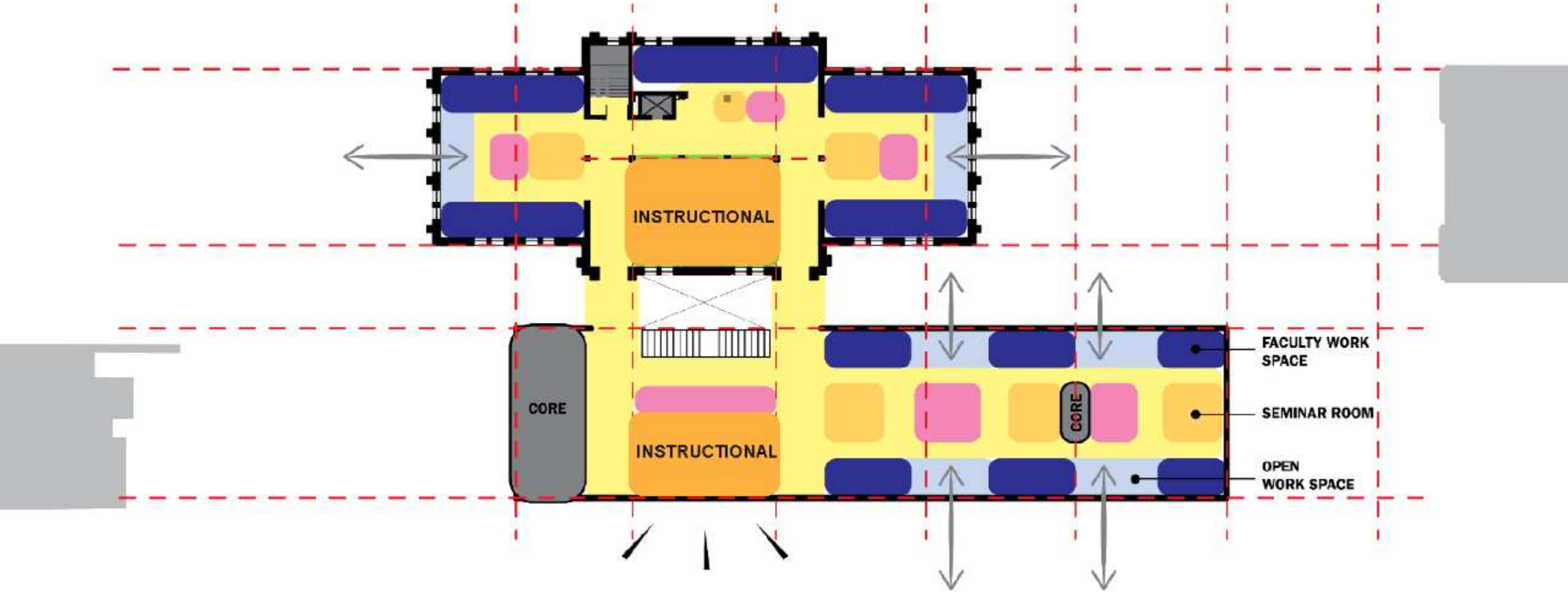
The Academic Community

Shepley Bulfinch



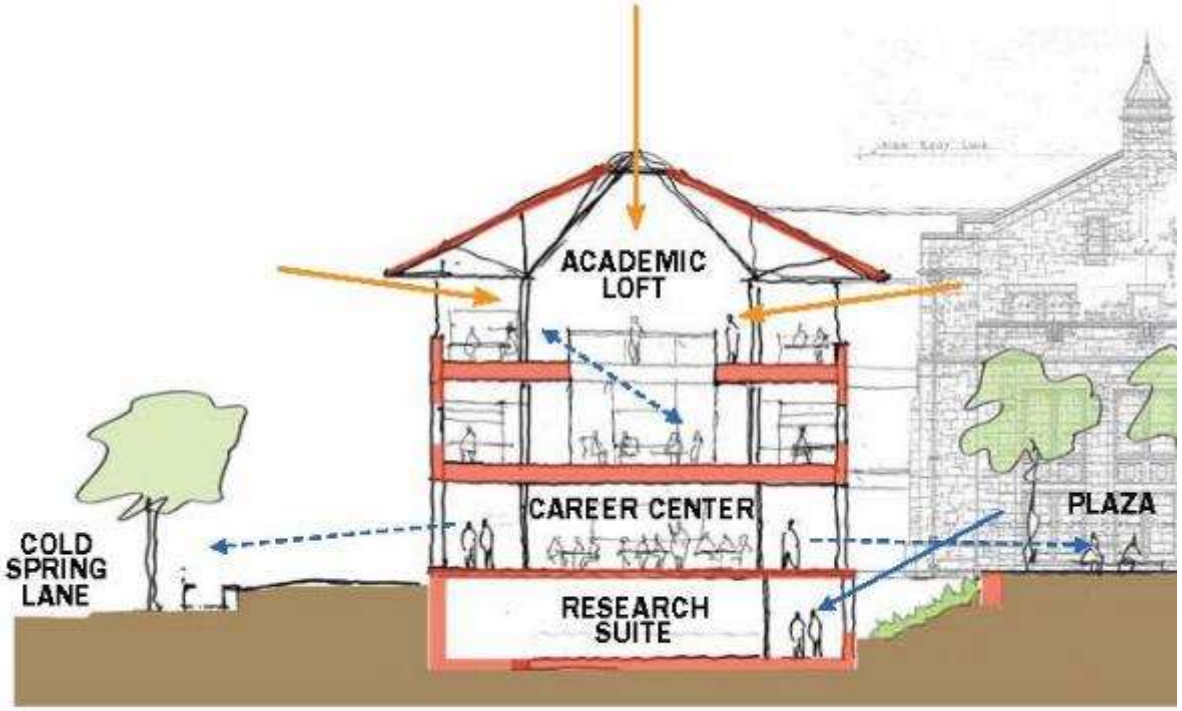
The Academic Neighborhood

Shepley Bulfinch



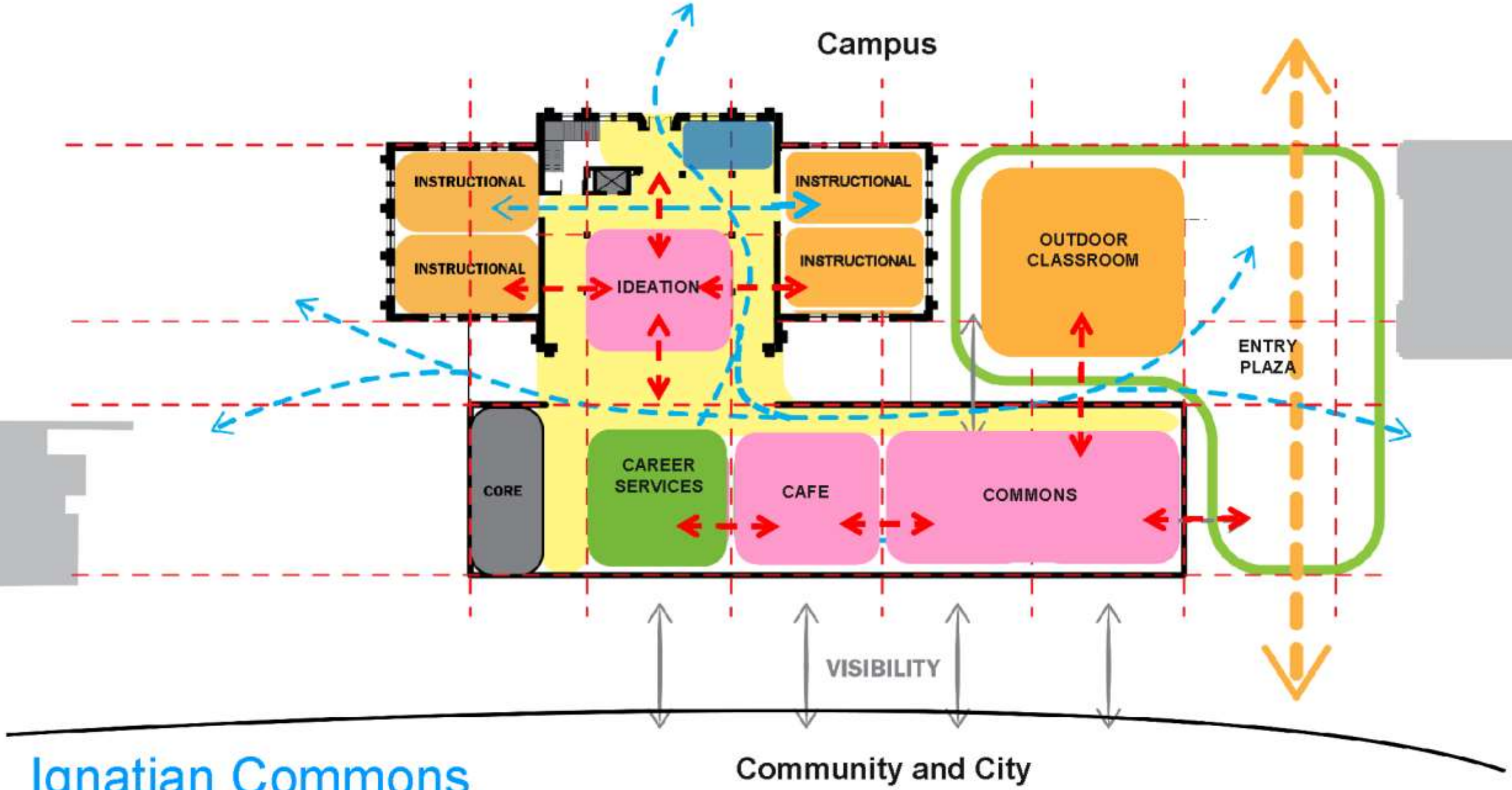
The Academic Loft

Shepley Bulfinch



The Academic Loft

Shepley Bulfinch



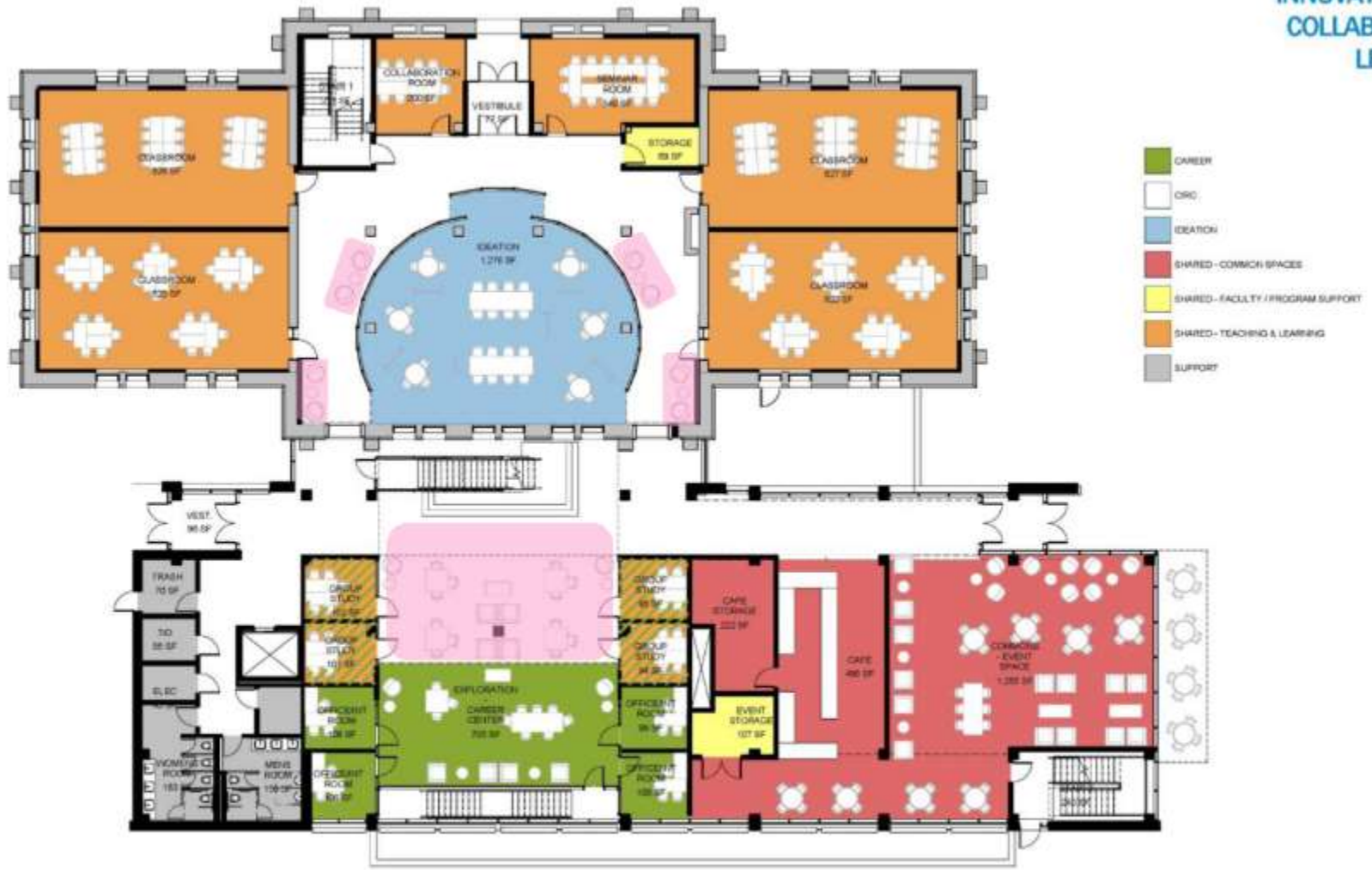
Ignatian Commons

Shepley Bulfinch

Ideation as the catalyst

Shepley Bulfinch

CENTER FOR INNOVATION AND COLLABORATIVE LEARNING



Ignatian Commons

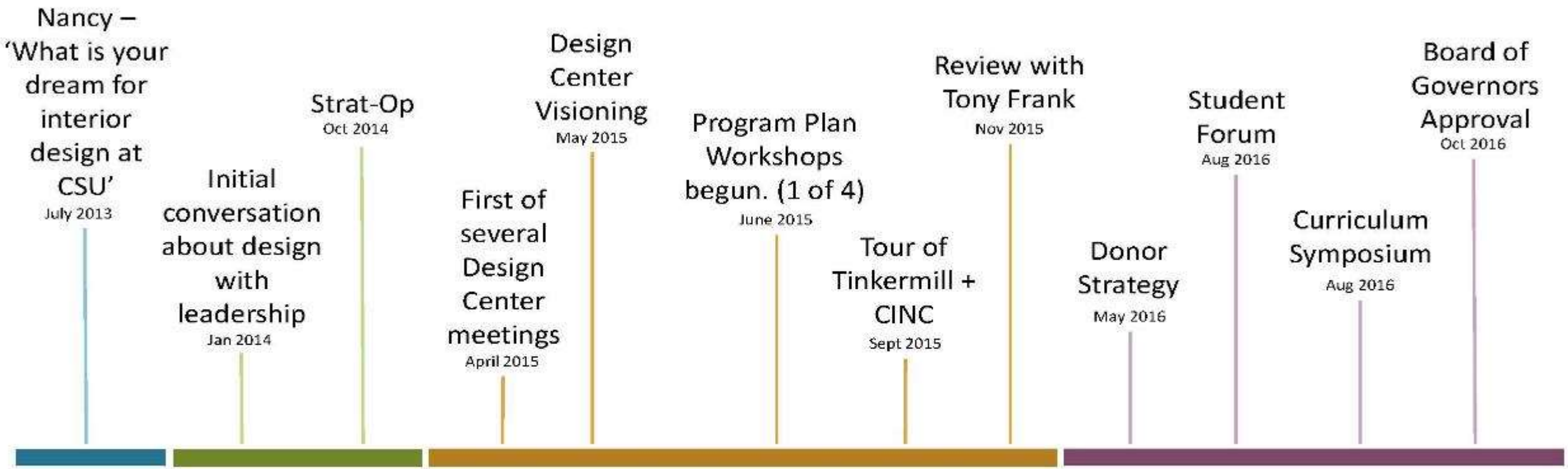
Shepley Bulfinch

Porch and Gateway

Shepley Bulfinch

Conversation with Colleagues

Laura Malinin



62 meetings from July 2013 to November 2016

COLORADO STATE UNIVERSITY

Strat-Op

The Richardson Design Center: an iconic destination that inspires creative influential discovery. Through powerful ideation and inspired synergy, students explore complex problems using cutting-edge resources to create a meaningful impact on the quality of life.

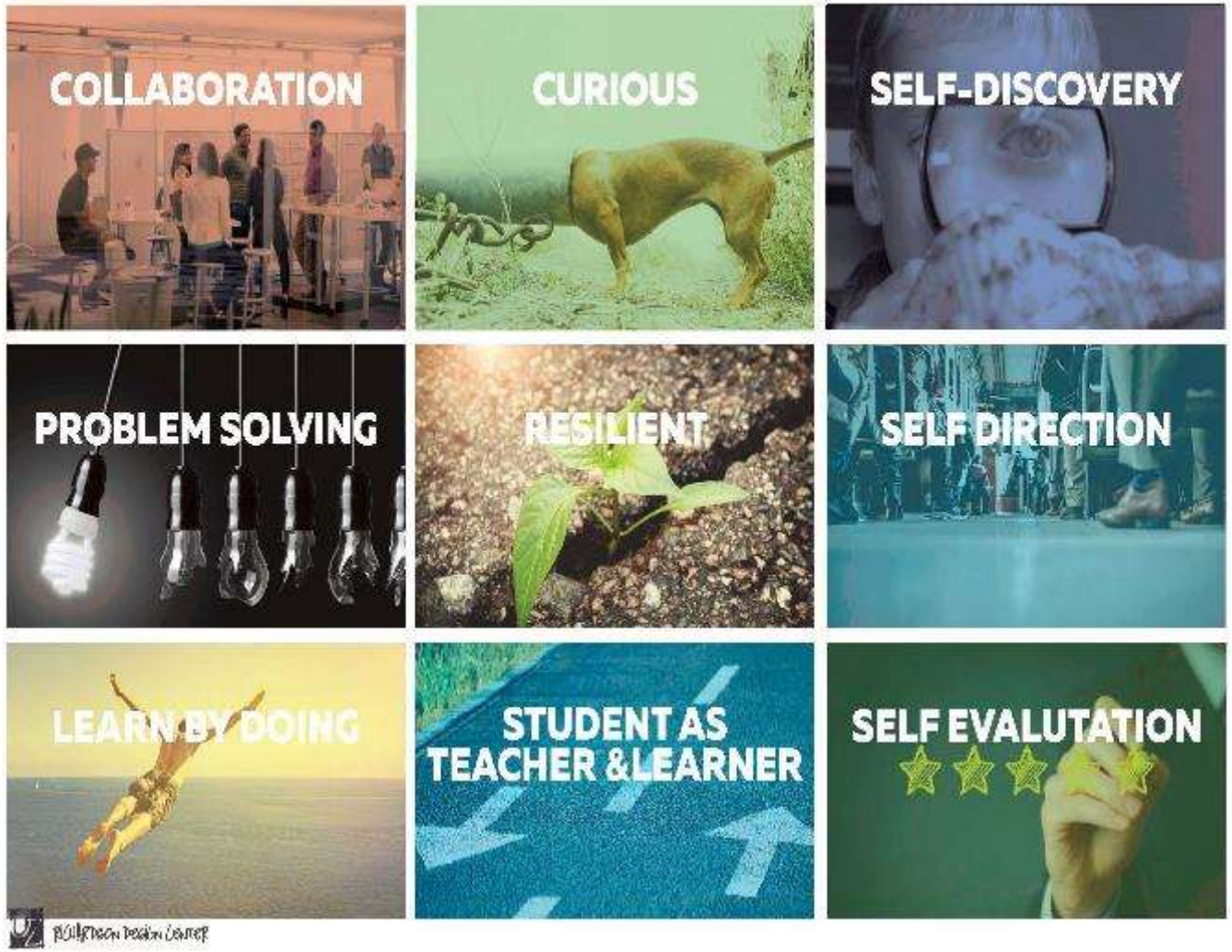
The Primary Customer

The Primary Customer of the Building is THE STUDENT.
The Supporting Customers are CSU, Community, Industry, and Faculty.

- A **design district**
- A **gallery** of students' **innovations**
- A **modeling of the creative process** from ideation to prototype to fabrication
- A visibly **compelling culture**
- A **leader** in developing **new technology** and **processes**
- A campus wide **transformation**

COLORADO STATE UNIVERSITY

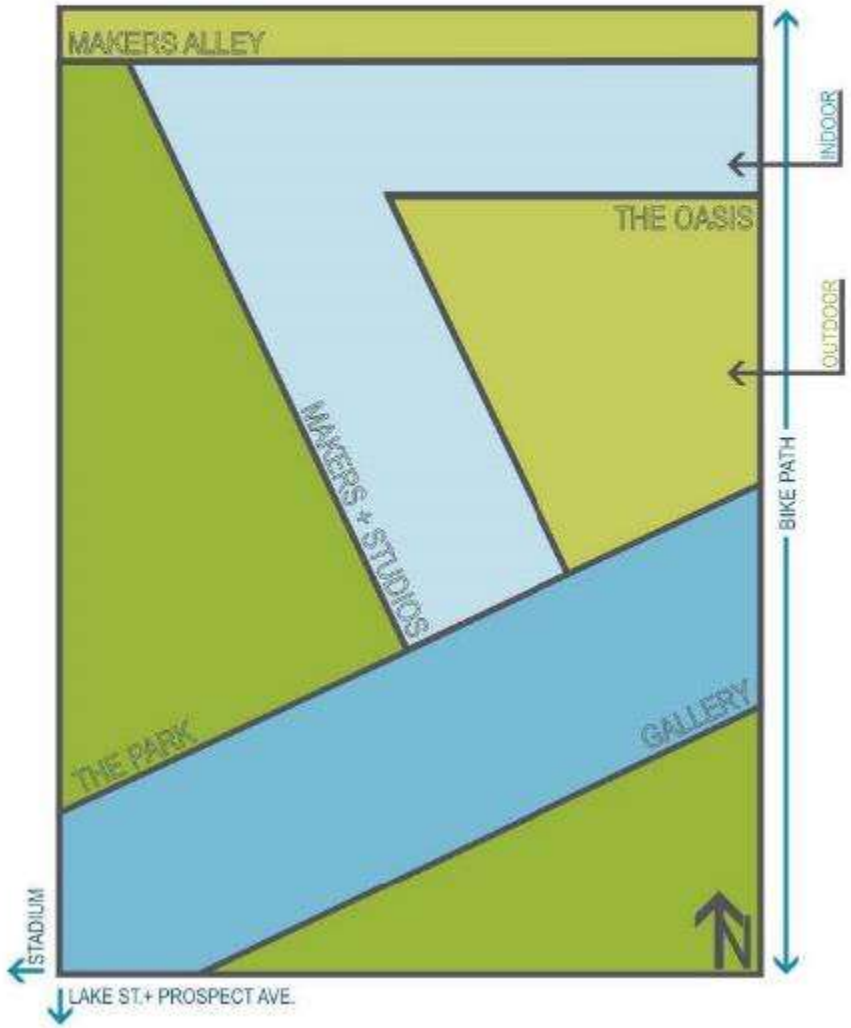
BEHAVIORS


COLLABORATION
CURIOUS
SELF-DISCOVERY
PROBLEM SOLVING
RESILIENT
SELF DIRECTION
LEARN BY DOING
STUDENT AS TEACHER &LEARNER
SELF EVALUTATION

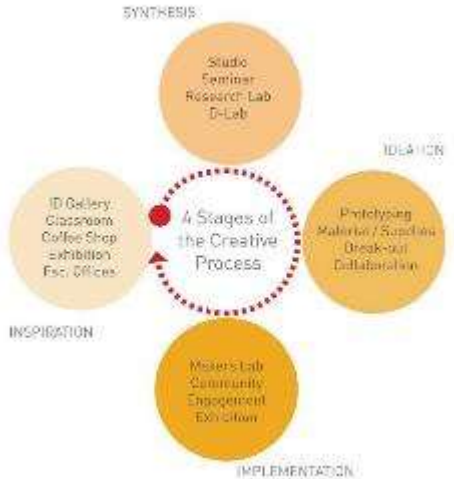
SYNTHESIS
Studio
Seminar
Research Lab
D-Lab
IDEATION
ID Gallery
Classroom
Coffee Shop
Exhibition
Fac. Offices
4 Stages of the Creative Process
Prototyping
Material / Supplies
Break-out
Collaboration
INSPIRATION
Makers Lab
Community
Engagement
Exhibition
IMPLEMENTATION

Building + Site

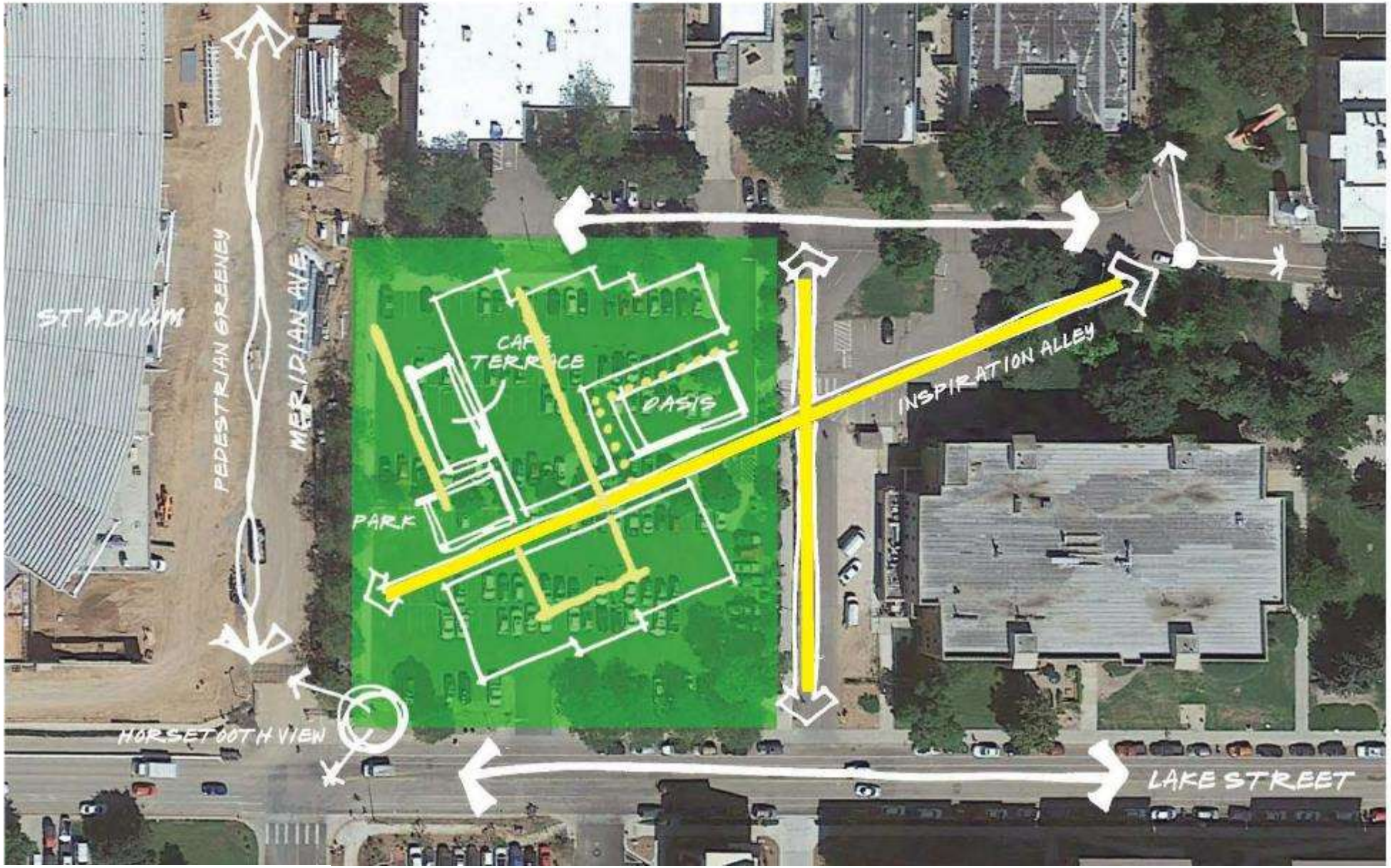
4240



- Gallery
- Presentation
- Exhibit
- Collaboration Corridors
- Networking/Social Space
- Ideation, Fabrication, Makers



COLORADO STATE UNIVERSITY



RICHARDSON DESIGN CENTER

WHERE OUR PATHS INTERSECT LIES AN OPPORTUNITY TO LEARN FROM EACH OTHER.

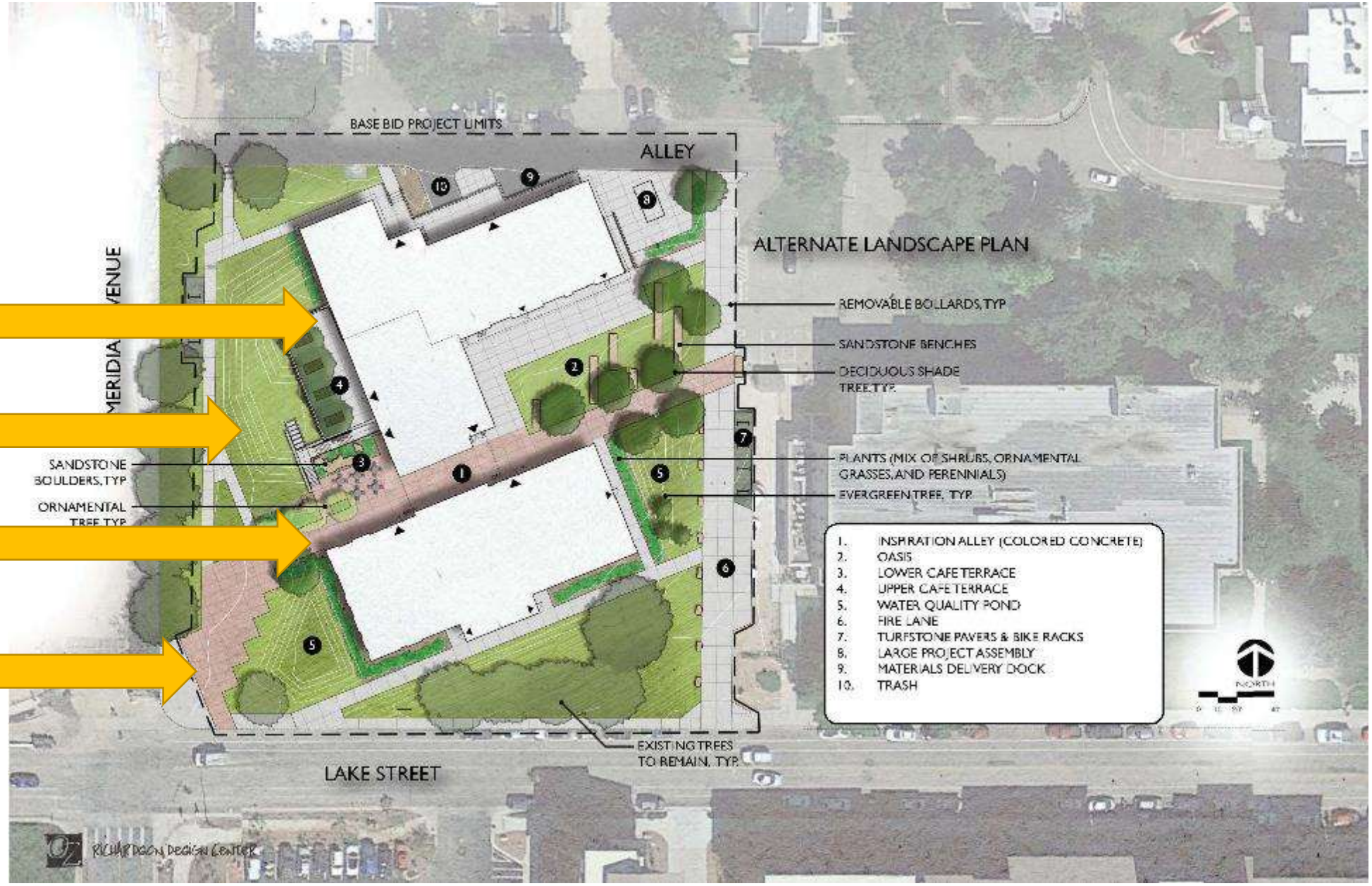
COLORADO STATE UNIVERSITY

Collaboration

Incubation

Inspiration

Presentation



SAUNDERS

RICHARDSON DESIGN CENTER

RICHARDSON DESIGN CENTER

FLOOR PLAN

LEVEL 1

- MAKER SPACES
- DESIGN + MERCHANDISING
- DESIGN EXCHANGE
- COMPUTER LABS
- BUILDING SERVICES

IDEATION LAB

DESIGNING FOR BEHAVIORS

ANALOG & DIGITAL

COLLABORATION PROBLEM SOLVING
LEARN BY DOING CURIOUS RESILIENT
STUDENT AS TEACHER AND LEARNER
SELF-DISCOVERY SELF-DIRECTION SELF-EVALUATION

RICHARDSON DESIGN CENTER

DESIGN EXCHANGE | HEARTH

DESIGNING FOR BEHAVIORS

CANVAS - CURATED BY STUDENTS OVER TIME

COLLABORATION PROBLEM SOLVING
LEARN BY DOING CURIOUS RESILIENT
STUDENT AS TEACHER AND LEARNER
SELF-DISCOVERY SELF-DIRECTION SELF-EVALUATION

RICHARDSON DESIGN CENTER

DESIGN EXCHANGE | HEARTH

DESIGNING FOR BEHAVIORS

CANVAS - CURATED BY STUDENTS OVER TIME

COLLABORATION PROBLEM SOLVING
LEARN BY DOING CURIOUS RESILIENT
STUDENT AS TEACHER AND LEARNER
SELF-DISCOVERY SELF-DIRECTION SELF-EVALUATION

RICHARDSON DESIGN CENTER

TEACHING ELEMENTS

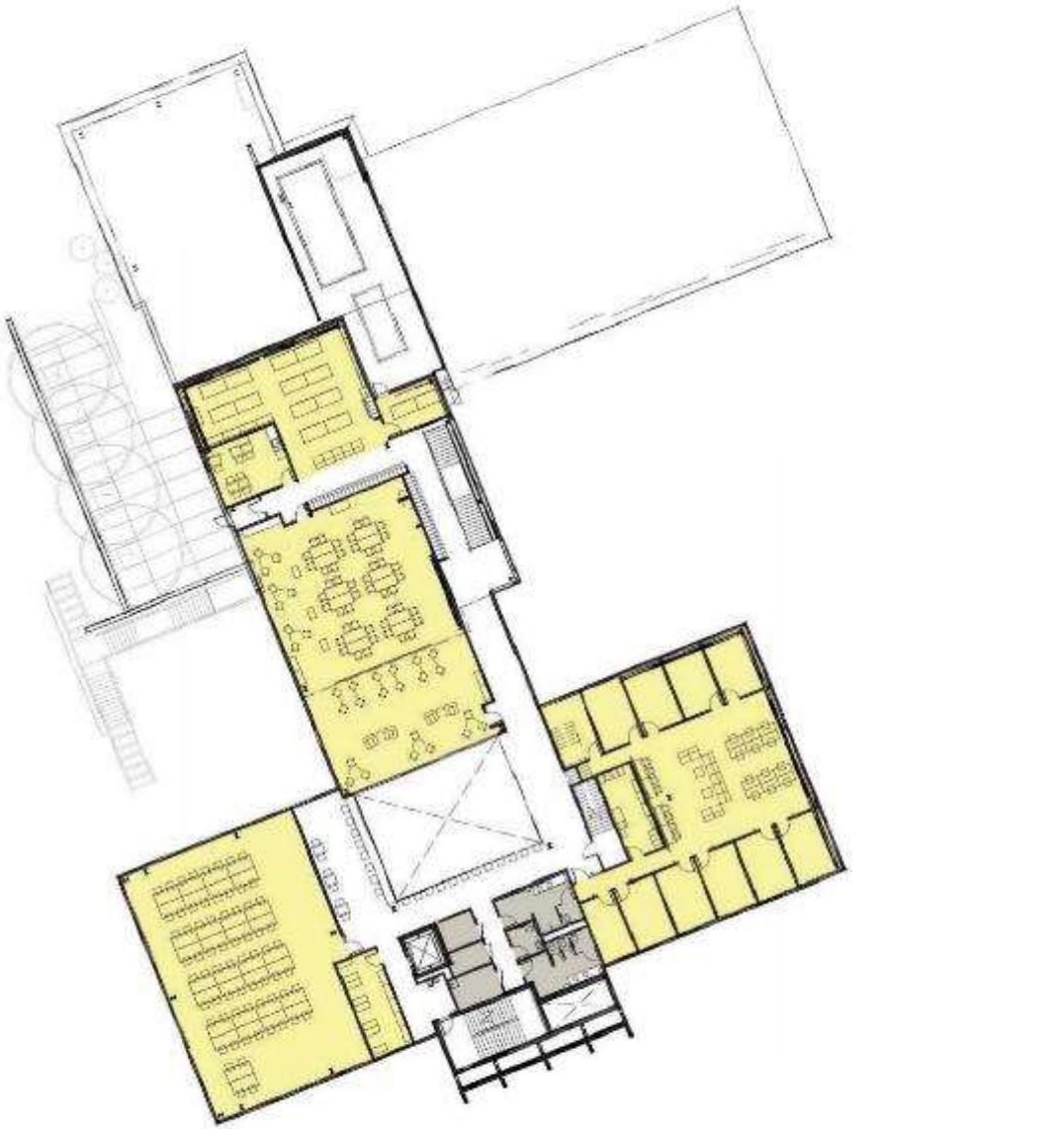
DESIGNING FOR BEHAVIORS

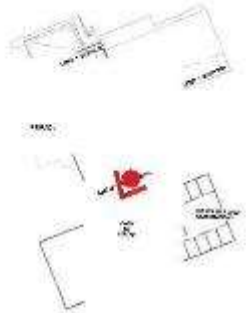
COLLABORATION PROBLEM SOLVING
LEARN BY DOING CURIOUS RESILIENT
STUDENT AS TEACHER AND LEARNER
SELF-DISCOVERY SELF-DIRECTION SELF-EVALUATION

RICHARDSON DESIGN CENTER

FLOOR PLAN
LEVEL 2

- MAKER SPACES
- DESIGN + MERCHANDISING
- DESIGN EXCHANGE
- COMPUTER LABS
- BUILDING SERVICES





Inspiration

D-LAB

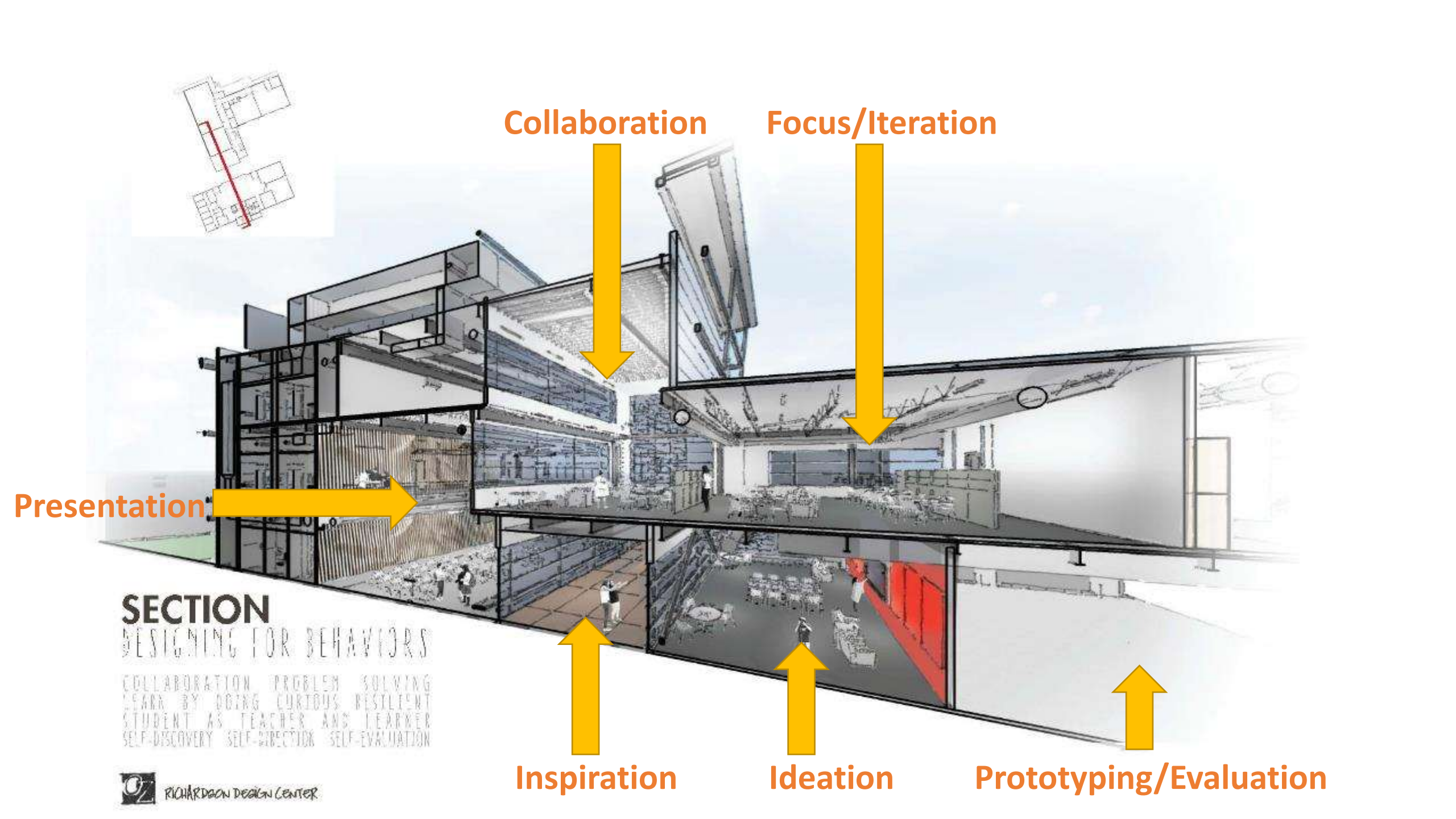
DESIGNING FOR BEHAVIORS

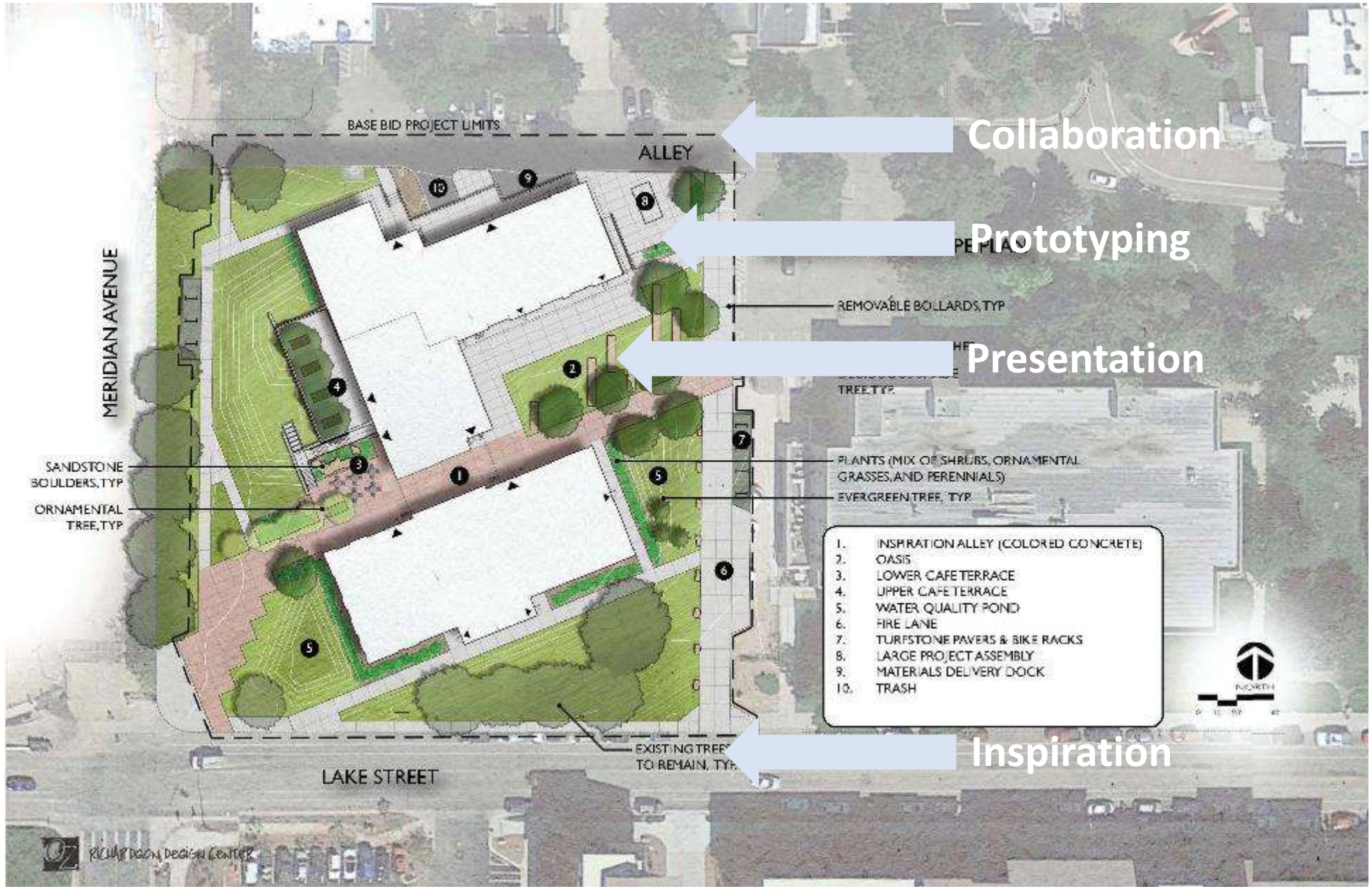
CREATIVE BRAIN MODES

ABSORB - OPEN ATTENTION
ENVISION - VISUALIZE & IMAGINE
CONNECT - IDEA GENERATION
STREAM - IMPROVISE & FLOW
REASON - RATIONAL PROBLEM SOLVER
EVALUATE - JUDGING & CATEGORIZING

COLLABORATION PROBLEM SOLVING
LEARN BY DOING CURIOUS RESILIENT
STUDENT AS TEACHER AND LEARNER
SELF-DISCOVERY SELF-DIRECTION SELF-EVALUATION

RICHARDSON DESIGN CENTER


Collaboration
Focus/Iteration
Presentation
SECTION
DESIGNING FOR BEHAVIORS
COLLABORATION PROBLEM SOLVING
LEARN BY DOING CURIOUS RESILIENT
STUDENT AS TEACHER AND TEARKER
SELF-DISCOVERY SELF-DIRECTION SELF-EVALUATION
RICHARDSON DESIGN CENTER
Inspiration
Ideation
Prototyping/Evaluation



Collaboration

Prototyping

Presentation

Inspiration

SAUNDERS

RICHARDSON DESIGN CENTER

SECTION

DESIGNING FOR BEHAVIORS

COLLABORATION PROBLEM SOLVING
LEARN BY DOING CURIOUS RESILIENT
STUDENT AS TEACHER AND LEARNER
SELF-DISCOVERY SELF-DIRECTION SELF-EVALUATION

DESIGN CENTER HALL

DESIGNING FOR BEHAVIORS

NURTURE CREATIVE CONFIDENCE

-TOOLS FOR CO-CREATION & VISUALIZATION

CURATION BY STUDENTS

COLLABORATION PROBLEM SOLVING
LEARN BY DOING CURIOUS RESILIENT
STUDENT AS TEACHER AND LEARNER
SELF-DISCOVERY SELF-DIRECTION SELF-EVALUATION

RICHARDSON DESIGN CENTER

RICHARDSON DESIGN CENTER

Conversation with Colleagues

Melissa Burns

Academic Planning and Design, Principal – EYP Architecture & Engineering

Joan Lippincott

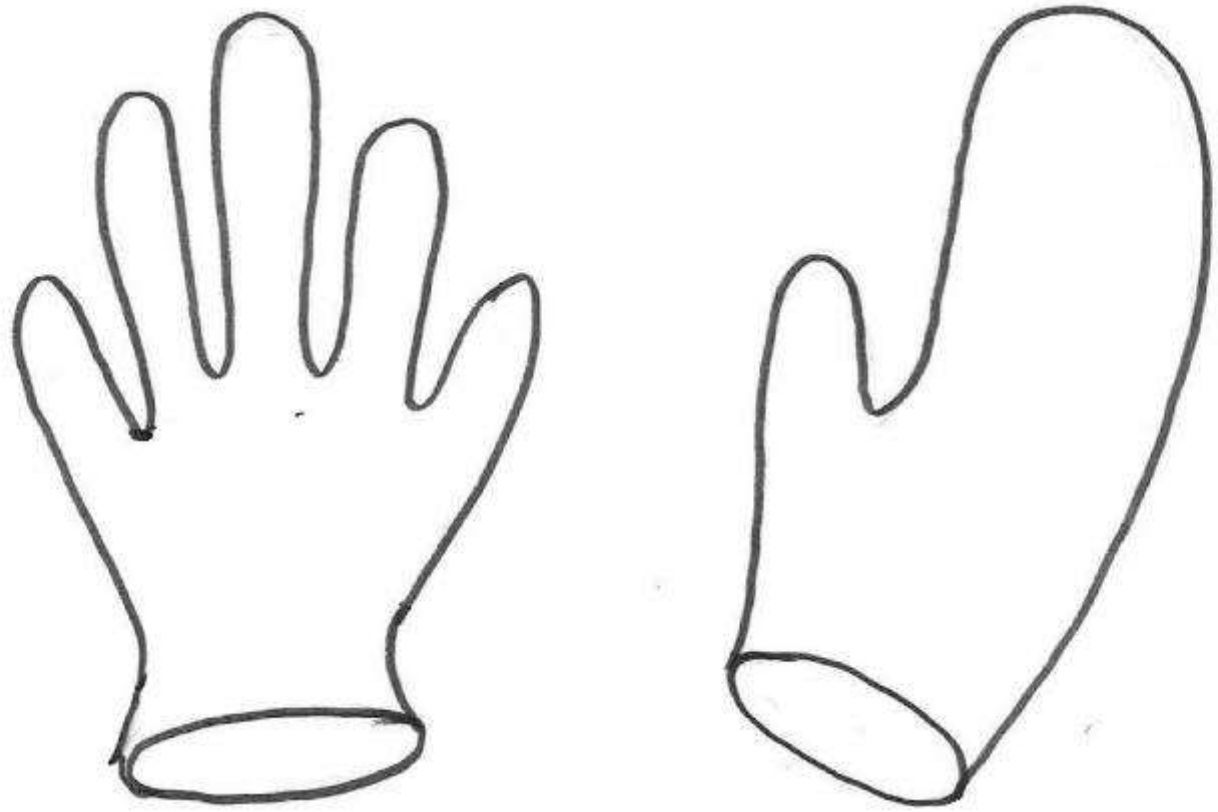
Associate Executive Director – Coalition for Networked Information (CNI)

Laura Malinin

Director, Richardson Design Center and Assistant Professor, Design + Merchandising Dept.— Colorado State University

Jay Verspyck

Associate – Shepley Bulfinch



PARTICIPANTS

Alexandria University - Egypt ■ Bentz/Thompson/Rietow, Inc ■ Binghamton University ■ Brigham Young University ■ Cal Poly SLO, Robert E. Kennedy Library ■ California State University East Bay ■ Calvert Wright Architecture PC ■ Carolina Day School ■ Catawba College ■ Central College ■ Cornell University ■ Cuyahoga Community College ■ Dartmouth College ■ Dugdale Strategy LLC ■ Emma Willard School ■ Georgetown University ■ Harvard University ■ Herman Miller Inc. ■ HGA Architects and Engineers ■ Hiram College ■ Lethbridge College ■ Loyola University-Monroe Library ■ Northern Arizona University ■ OZ Architecture ■ Perkins+Will ■ Reed College ■ Research Facilities Design ■ Syracuse University ■ The Beck Group ■ The Ohio State University, University Libraries ■ The Sextant Group ■ The University of Alabama, University Libraries ■ Toronto Public Library ■ UCLA Library ■ University of Alberta Libraries ■ University of British Columbia Library ■ University of California, Merced ■ University of Nevada Las Vegas, University Libraries ■ University of North Carolina Chapel Hill ■ University of Richmond ■ University of Rochester River Campus Libraries ■ University of Ontario Institute of Technology Library ■ University of Windsor ■ University of Wyoming

UPCOMING LSC ACTIVITIES

- SPRING 2018: NEW LSC WEBSITE

LSC ROUNDTABLES

- March 25, Austin, TX in collaboration with VentureWell: Spaces for Making
- May 18: Philadelphia, PA (Jefferson University).
- May/June (TBD): Cambridge, MA (Harvard University)
- June (TBD): Charlotte, NC
- June 19: Stanford, CA (Stanford University)
- Fall 2018 (TBD): San Antonio, TX (Trinity University)
- Fall 2018 (TBD): Harrisonburg, VA (James Madison University)
- December 12: Washington, DC in collaboration with CNI