

“Build the Block”

**Amplifying the liberal arts
experience at Colorado College**

Draft Presentation - May 2



***a team like
no other***

*innovation through
collaboration*



MASS

architecture
& strategy

brightspot

programming &
service delivery

Mazzetti

MEP Engineering
& Sustainability

AKT

Structural
Engineering

JE Dunn

Construction
Budgeting
Fast-Tracking

MASS DESIGN GROUP



Michael Murphy
Co-founder and CEO



Alan Ricks
Co-founder and COO



Sierra Bainbridge
Senior Director



Sophia Angelis
Research Associate



Kyle Barker
Associate



Alix Joseph
Intern Engineer



Brendan Kellogg
Associate



Nathan King
Director of Design Research



John Maher
Associate



Thatcher Bean
Media Producer



Christian Benimana
Associate



Jonathan Bongji
Intern Architect



Andrew Brose
Associate



Rachel Brose
DRC Operations



David Mistretta
Junior Associate



Sarah Mohland
Associate



Annie Moulton
Associate



Jeancy Mulela
Intern Architect



Wolfson Fedler Cazeau
Haiti Operations



Kyle Digby
Design Fellow



Kelly Doran
Manager



Beth Dunbar
Manager



Commode Dushimima...
Associate



James Martin
Associate



Amelie Ntigulirwa
Global Health Corps



Nicolas Rivard
Global Health Corps



Angela Rowland
Accountant



Josil Esnel
Haiti Operations



Patricia Gruits
Manager



Monique Guimond
Manager



Holly Jacobson
Associate



Robertho Jean Louis
Intern Architect



Bridgitte Mukandakujje
Rwanda Operations



Adam Saltzman
Associate



Chris Scovel
Director



Jean Paul Sebuyayi
Global Health Corps



John Rudikoff
General Counsel



David Saladik
Director



Amie Shao
Manager



Jen Stutsman
Operations and Research



Matt Swaidan
Associate



Christian Uwinkindi
Intern Engineer



Autumn Visconti
Associate



Tim White
Engineer



Regina Yang
Global Health Corps

brightspot

Elliot



Yen



Amanda K.



Matthew



Ashley



Melanie



Sana



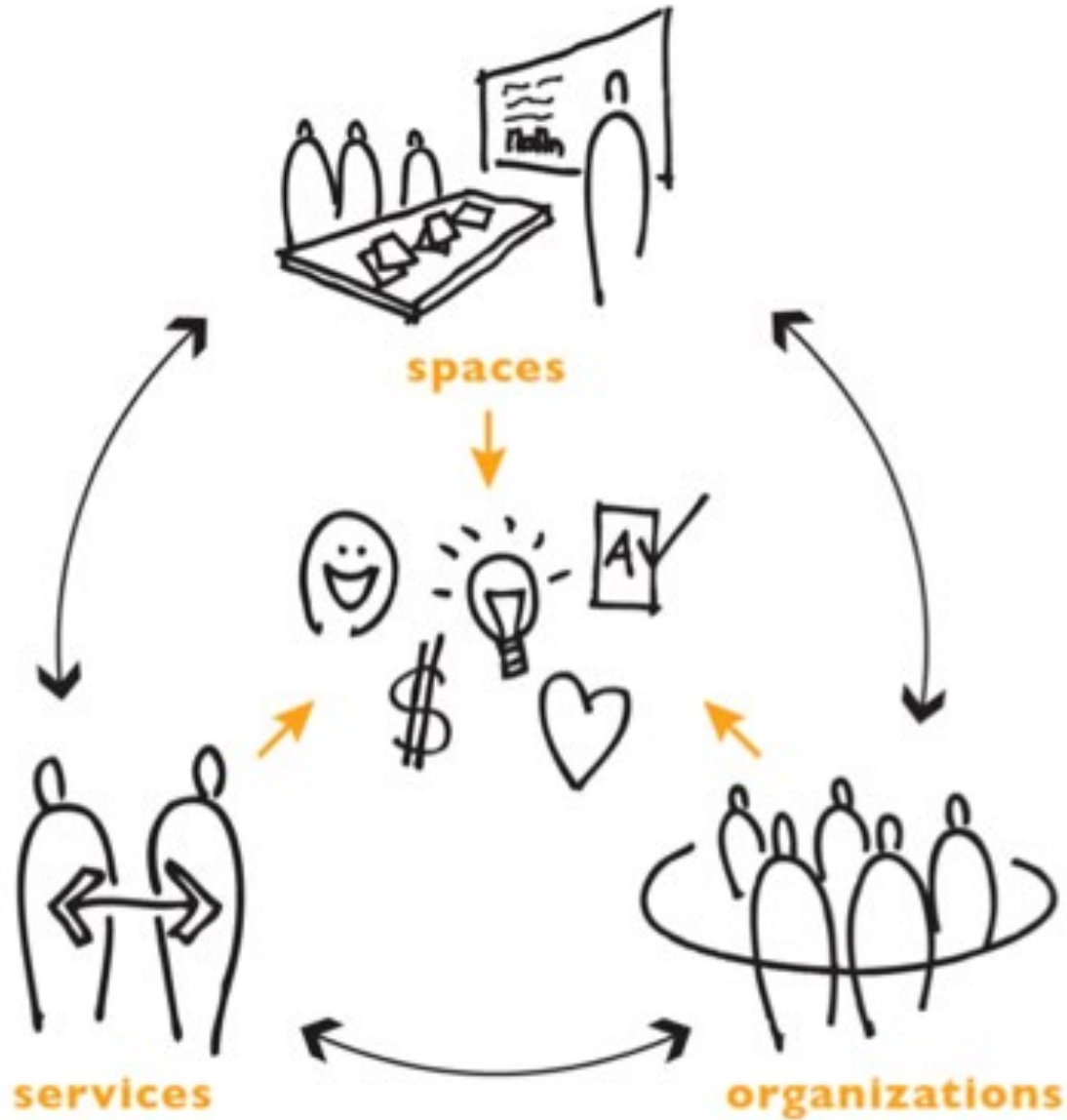
Winnie



Gabi



brightspot



Our Experience



canvas



Google



LIBERTY
UNIVERSITY



STANFORD
UNIVERSITY



SWEET
BRIAR
COLLEGE



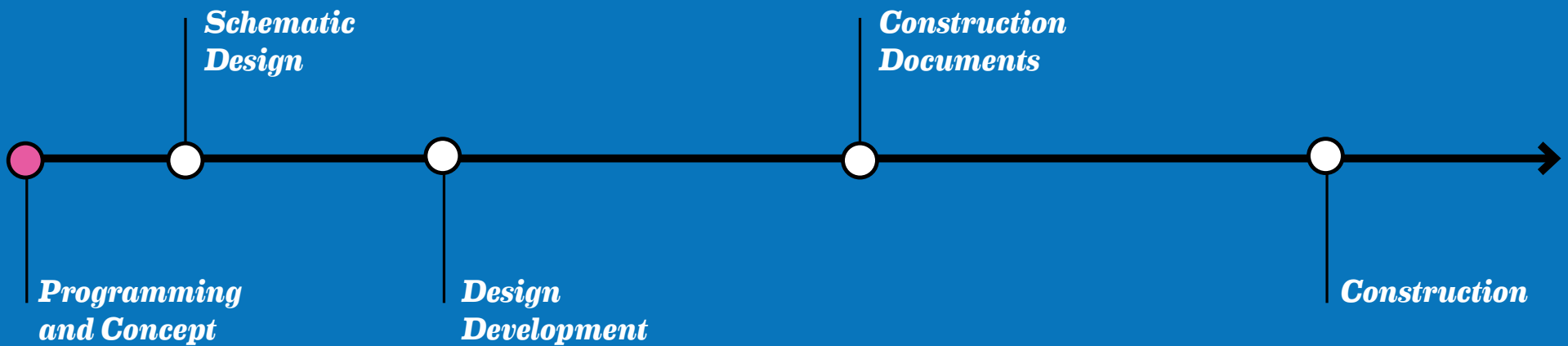
Vancouver
Artgallery

UNDERCURRENT

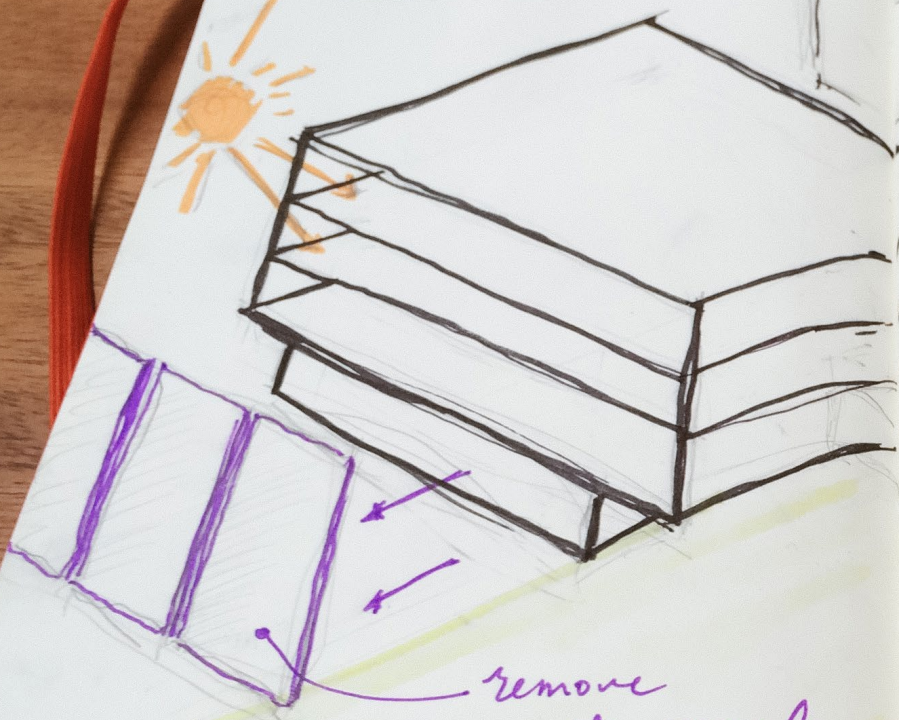


Yale

the Process

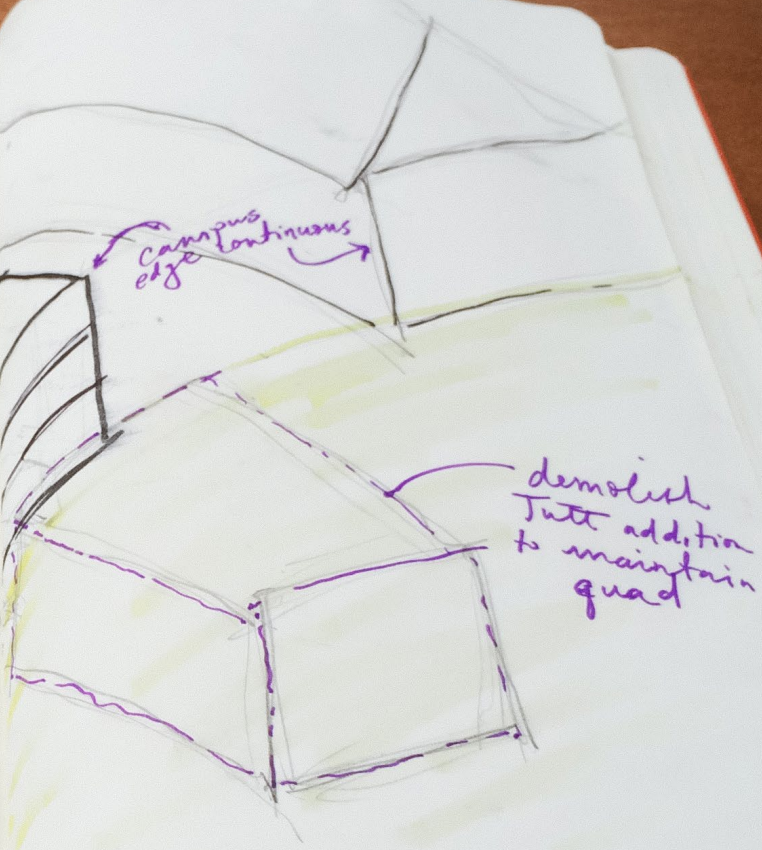


TUTT LIBRARY



remove
concrete panels

campus
edge

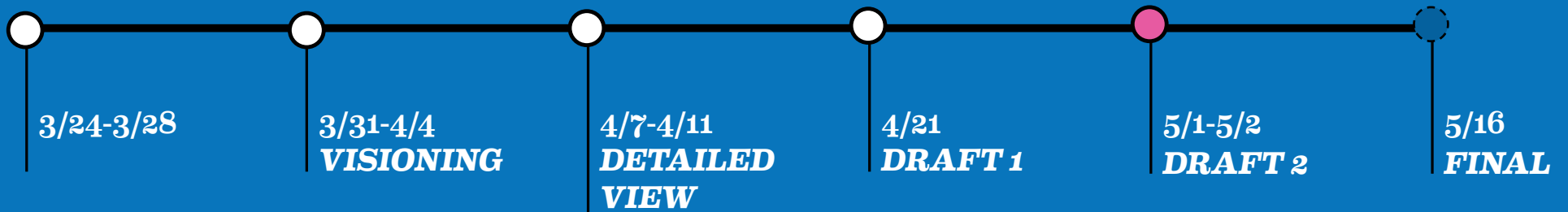


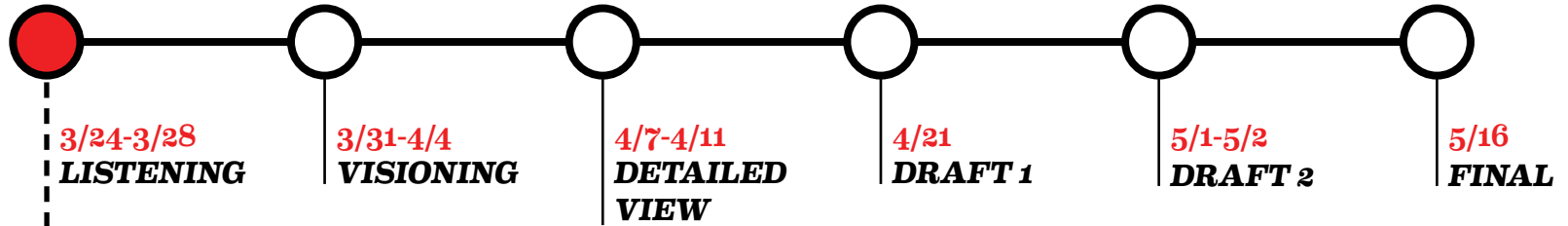
demolish
Tutt addition
to maintain
quad

2004 sketch

Schedule

8 weeks





Jill Tiefenthaler

Thayer Tutt

Ivan Gaetz

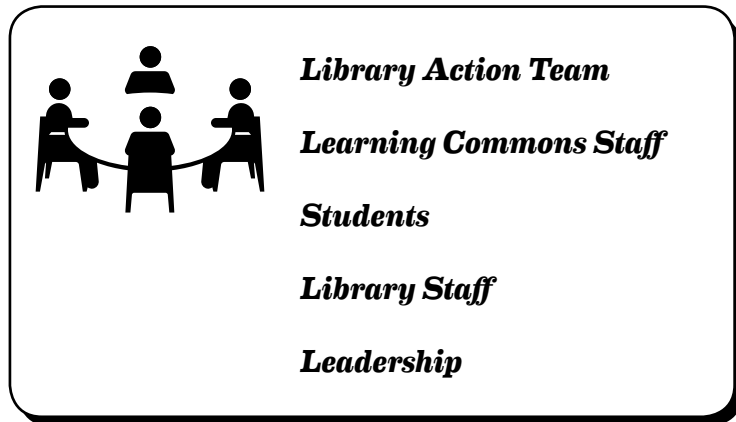
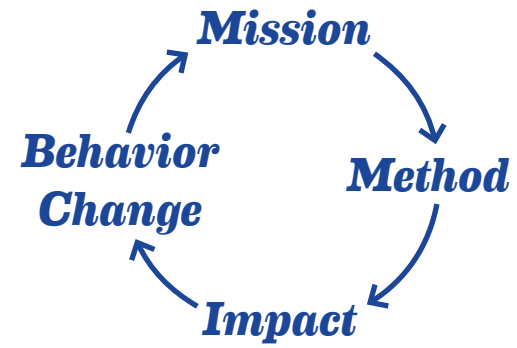
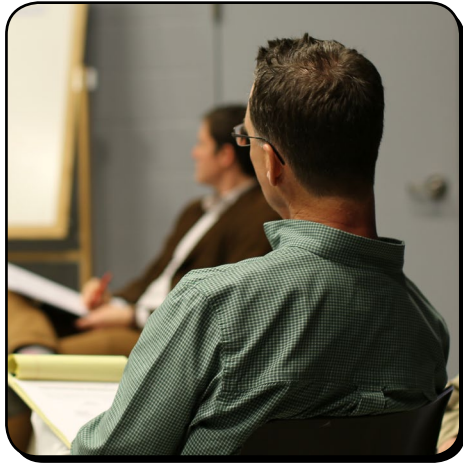
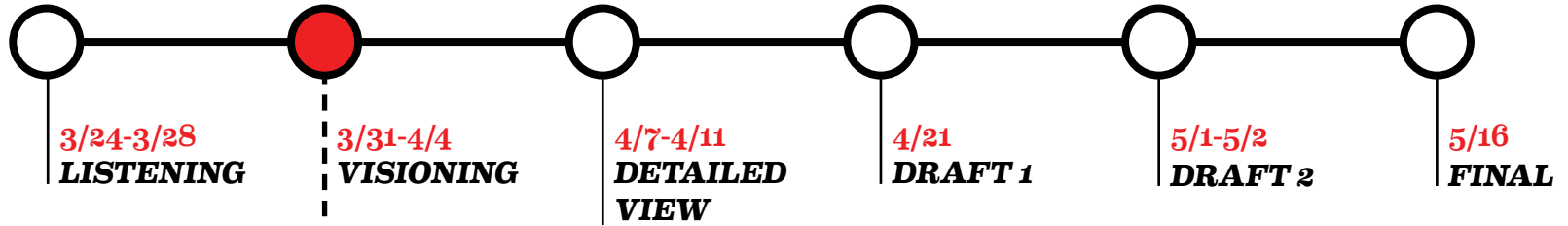
Traci Freeman

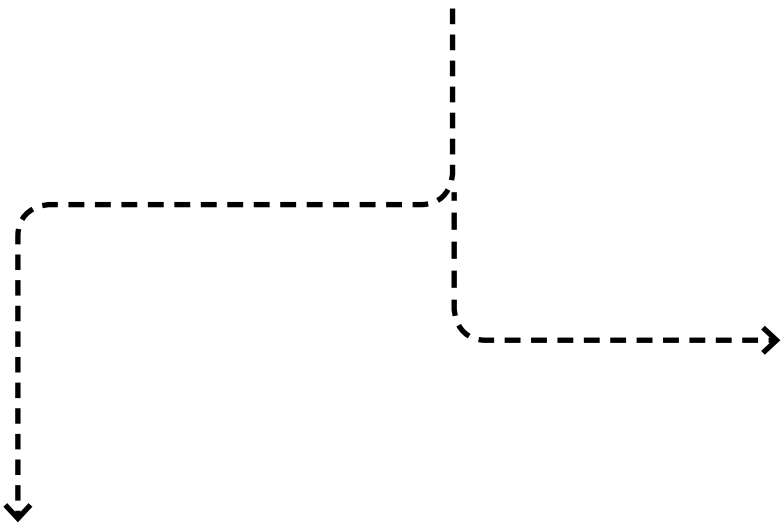
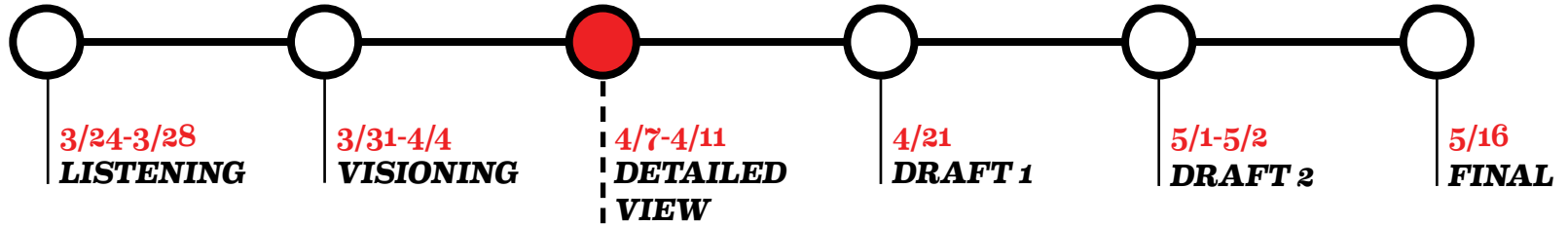
Brian Young

Sandi Wong

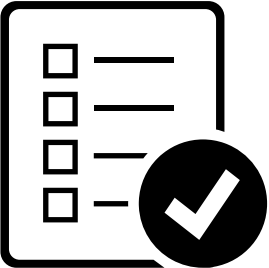
Mike Edmonds

Chris Coulter

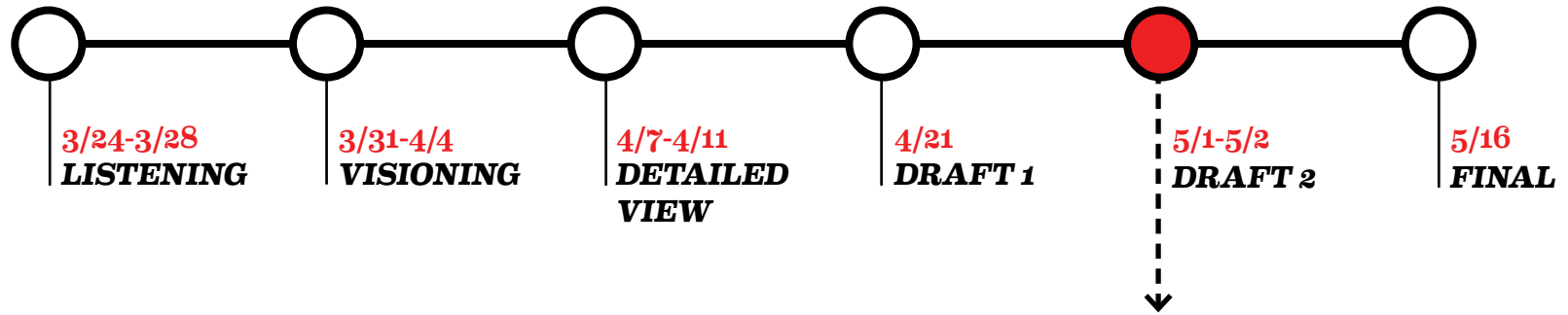




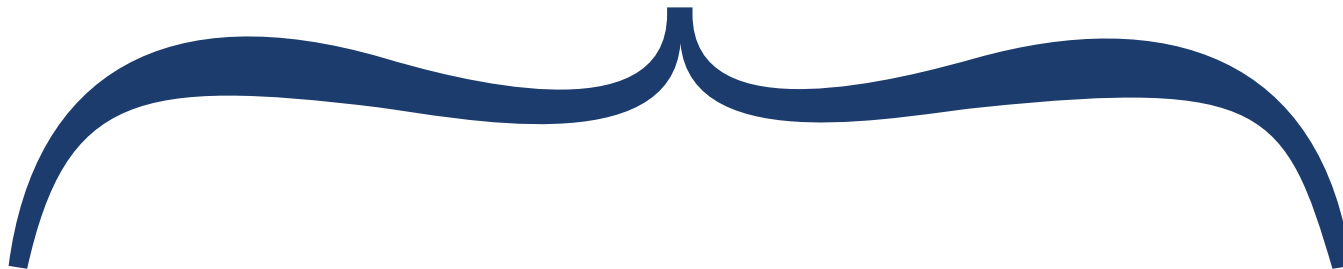
Programming Workshops



Technical Assessment



Today



*Program
Draft Update*

*Design
Strategies for
feedback*



240
Collaborators

13
Workshops

30
Interviews

Mission

What's the end goal?

***Behavior
Change***

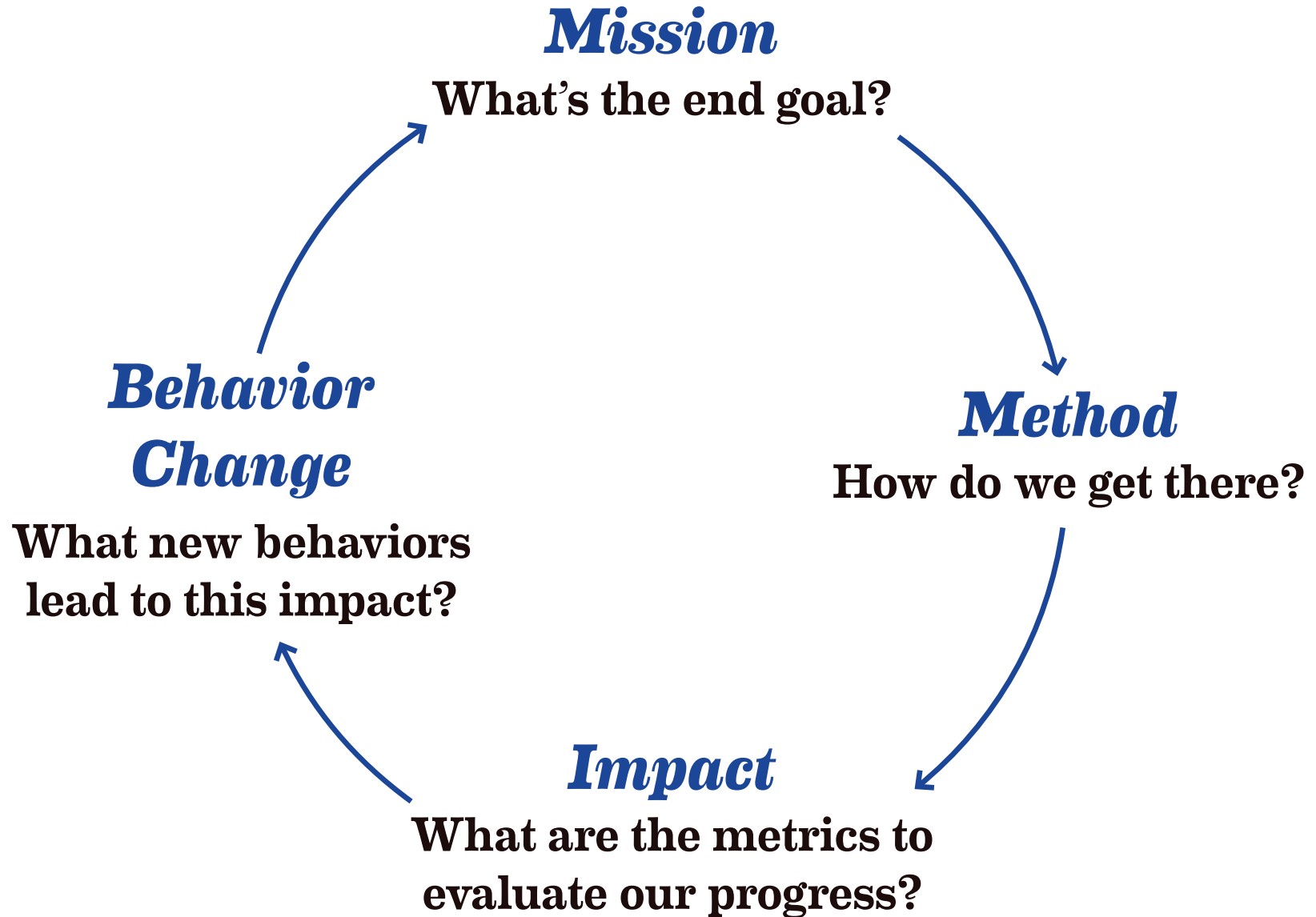
**What new behaviors
lead to this impact?**

Method

How do we get there?

Impact

**What are the metrics to
evaluate our progress?**



MISSION

**Amplify the liberal
arts experience at CC**

METHOD

Create a project that expands, responds to, and showcases the block plan

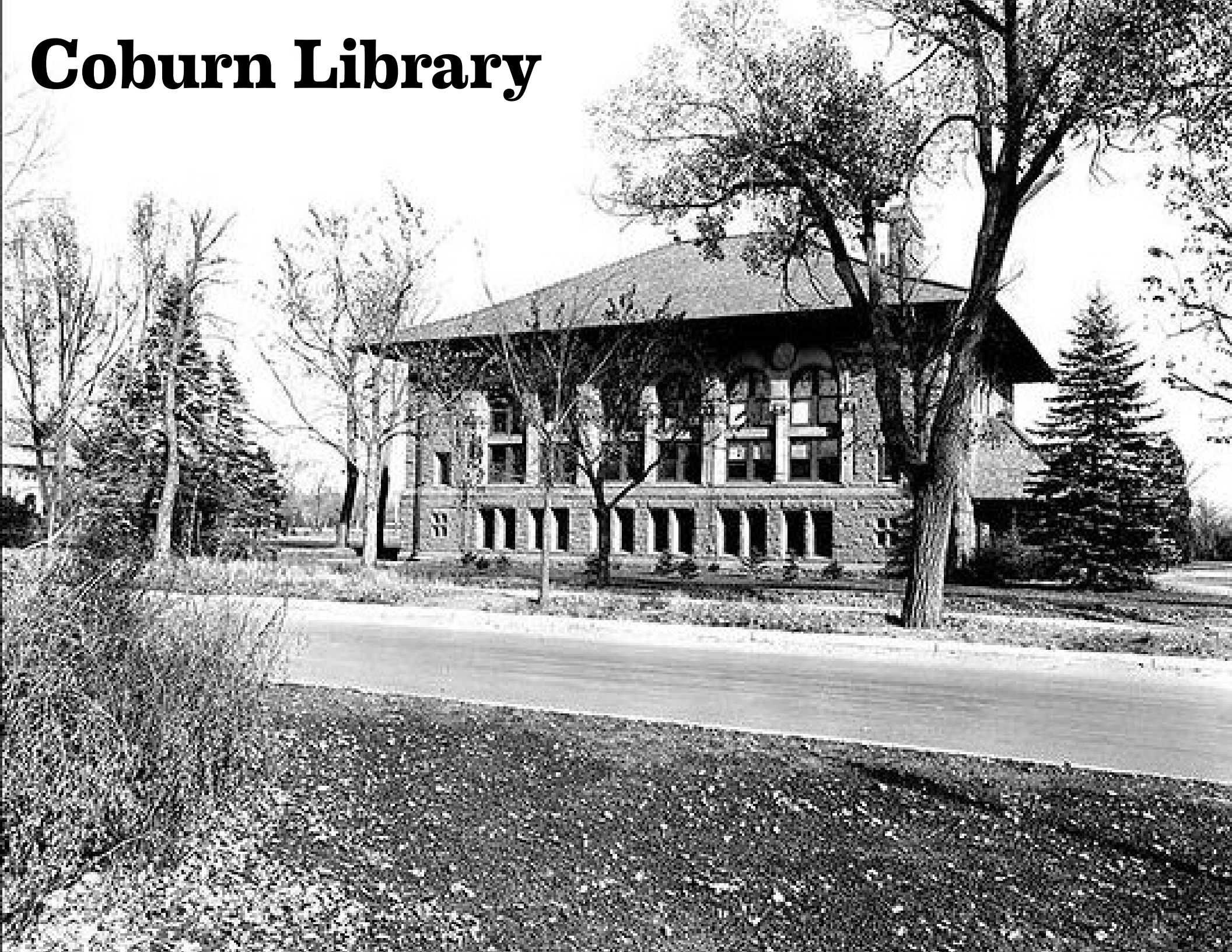
IMPACT

- 1. Improved student work**
- 2. Increased academic & social interactions**
- 3. Increased campus diversity**

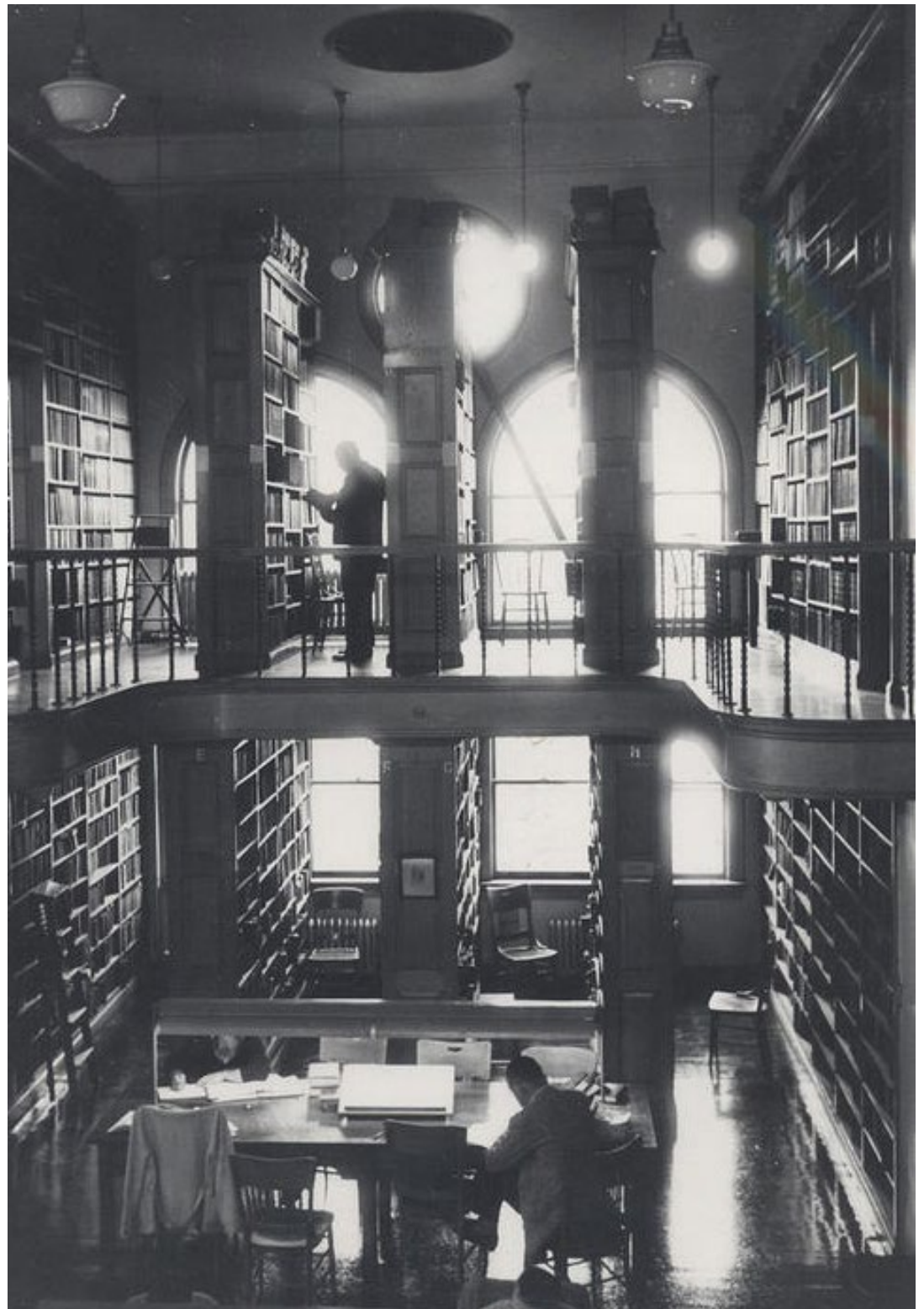
BEHAVIOR CHANGE

**All members of the CC
community regularly
utilize the full spectrum
of resources**

Coburn Library



Coburn Library

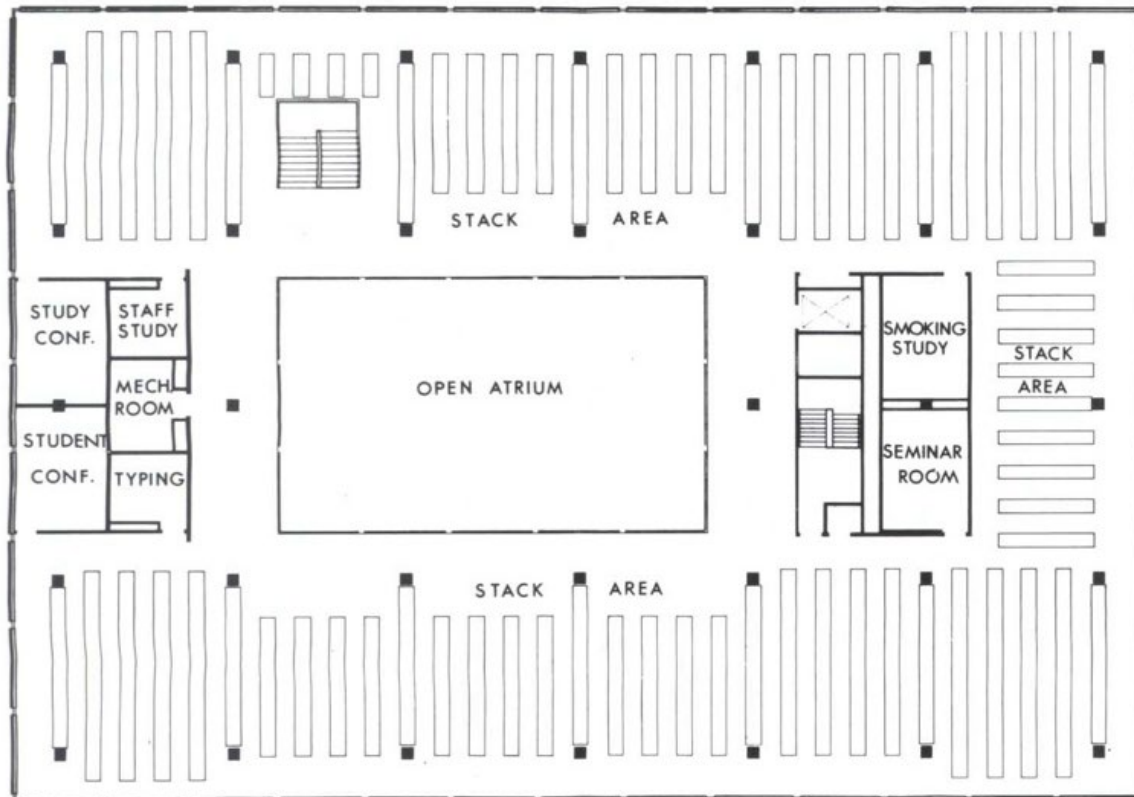




Tutt Library 1961

SOM designed the library as an inward looking building, with narrow windows to the bright outside.

Facades of the Library are reserved, narrowly windowed, but the bulk of the building is broken down into components, avoiding the massive character sought by yesterday's campus libraries.



Architectural Record Review 1962



Walter Netsch

*the architectural
legacy of Tut*

“Praiseworthy modern architecture is an absorption and synthesis of the society around us—the physical manifestation of the ability and drive to see beyond accepted solutions and aesthetics. The critical difference between good and mediocre architecture is the depth of the design search, with both its joys and sorrows.”



US Air Force Academy 1959

*“We believe that the architectural concepts of the Academy buildings should represent ...in steel and glass, marble and stone the simple, direct, **modern way of life**—that they should be as modern, as time-less, and as style-less in their architectural concept, as efficient and as flexible in their basic layout as the most modern projected aircraft.”*

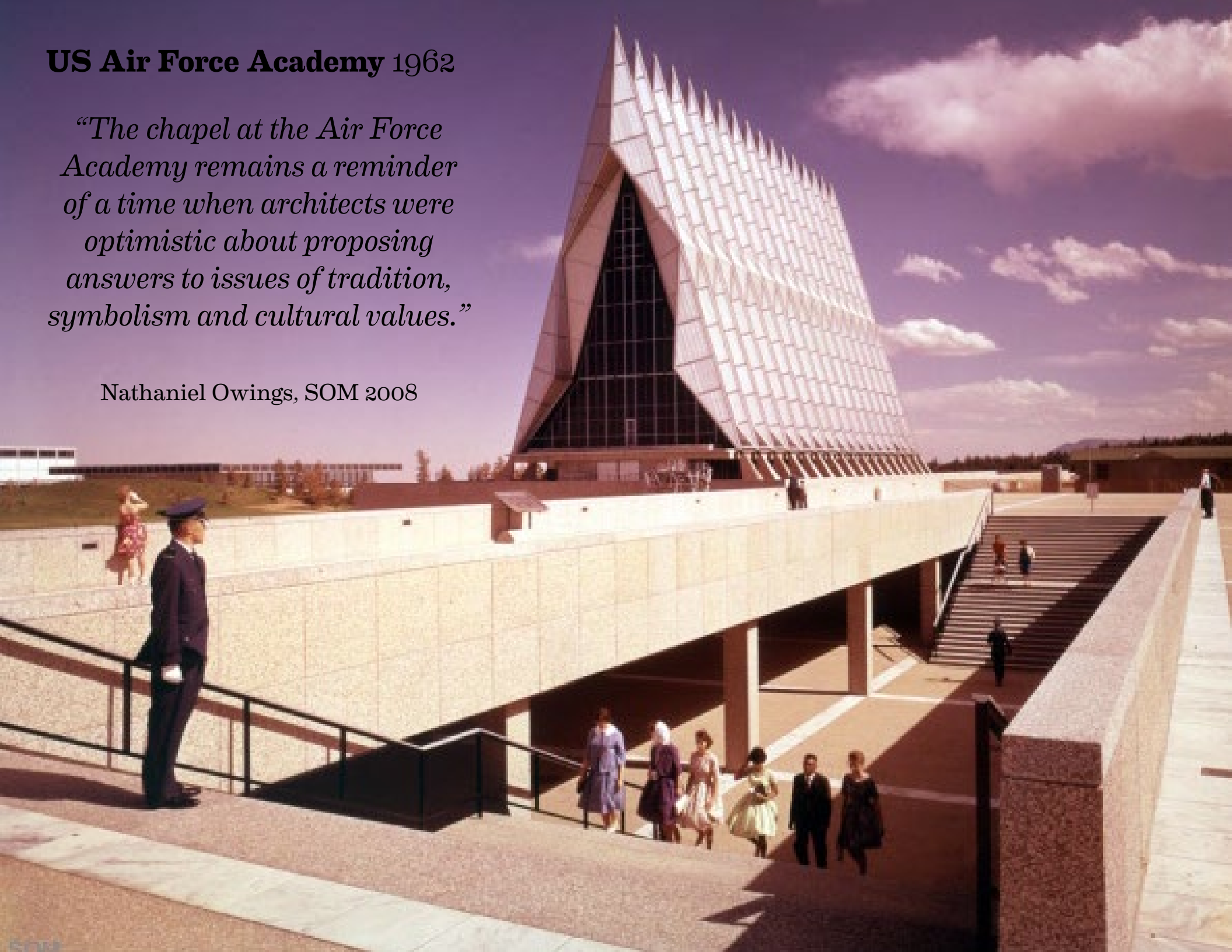
Walter Netsch

From Martin Felsen and Sarah Dunn,
Field Theory: Walter Netsch's Design Methodology
2008

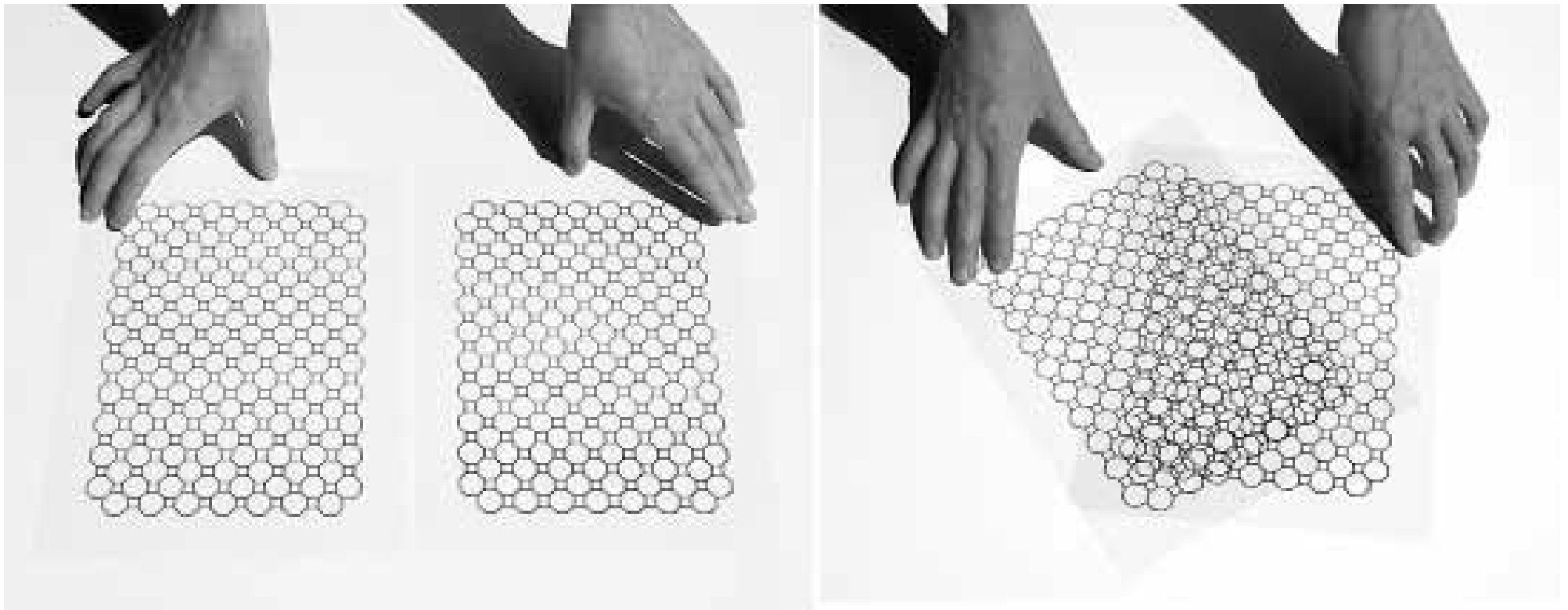
US Air Force Academy 1962

“The chapel at the Air Force Academy remains a reminder of a time when architects were optimistic about proposing answers to issues of tradition, symbolism and cultural values.”

Nathaniel Owings, SOM 2008



Field Theory



“We were interested in a systems-based approach to design, not an a priori approach,”
“We keep trying to find new ways to see things,”
“Our Field Theory is a process of looking at things differently, and of ordering too.”

Walter Netsch

C. Ray Smith, *Supermannerism: New Attitudes in Postmodern Architecture* (New York: Dutton, 1977), 28.

Field Theory

“...Field theory allowed Netsch to break the Miesian box by three primary functions...”

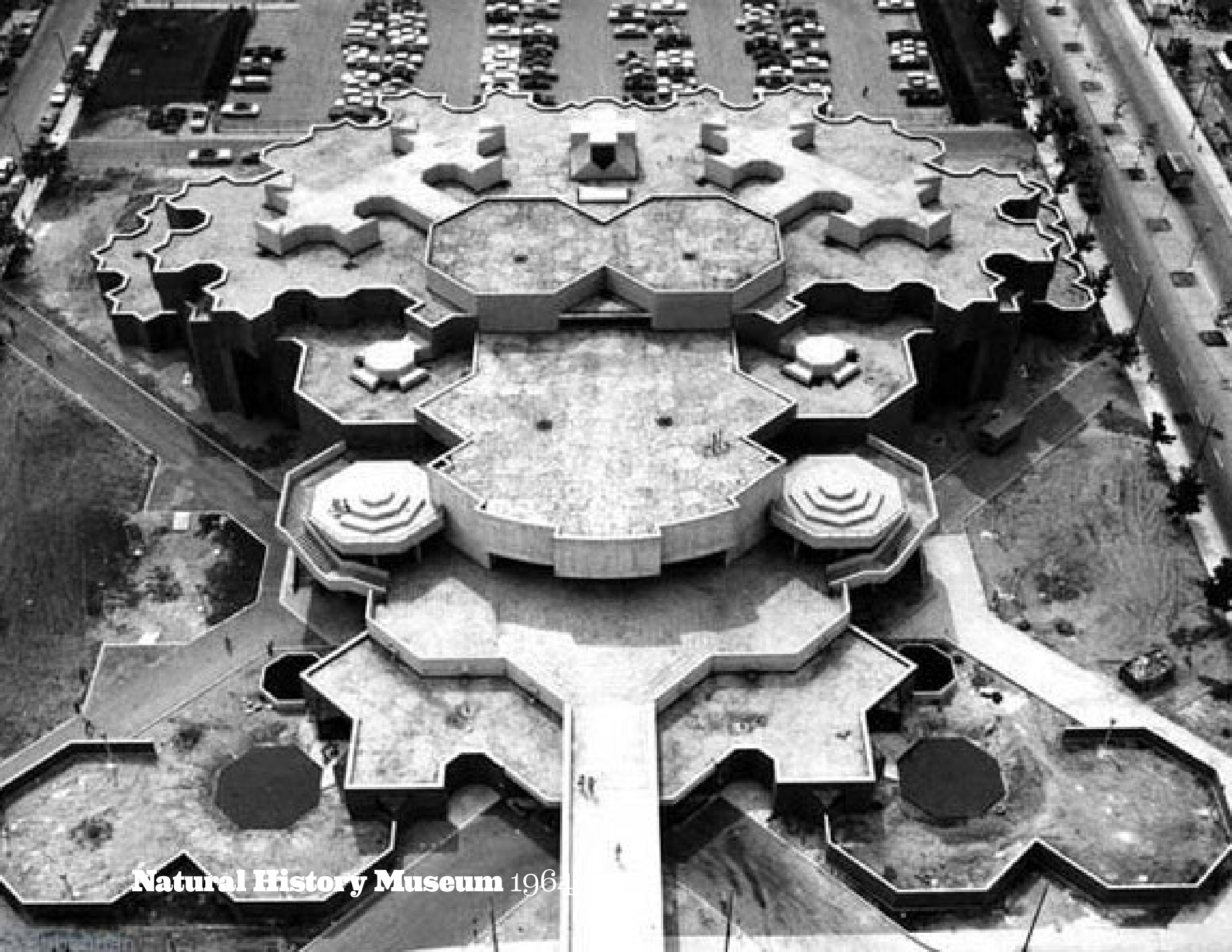
*- **1st**, it provide aesthetic and psychological variety;*

*- **2nd**: it provided programmatic and structural flexibility in that it was used as an open-ended design system*

*- **3rd**: it allowed for economical change over time because it reestablished a unifying design objective.*

*Walter Netsch: Field Theory:
Martin Felsen and Sarah Dunn,
Chicago Architecture: Histories, revisions,
alternatives ed. Charles Waldheim*

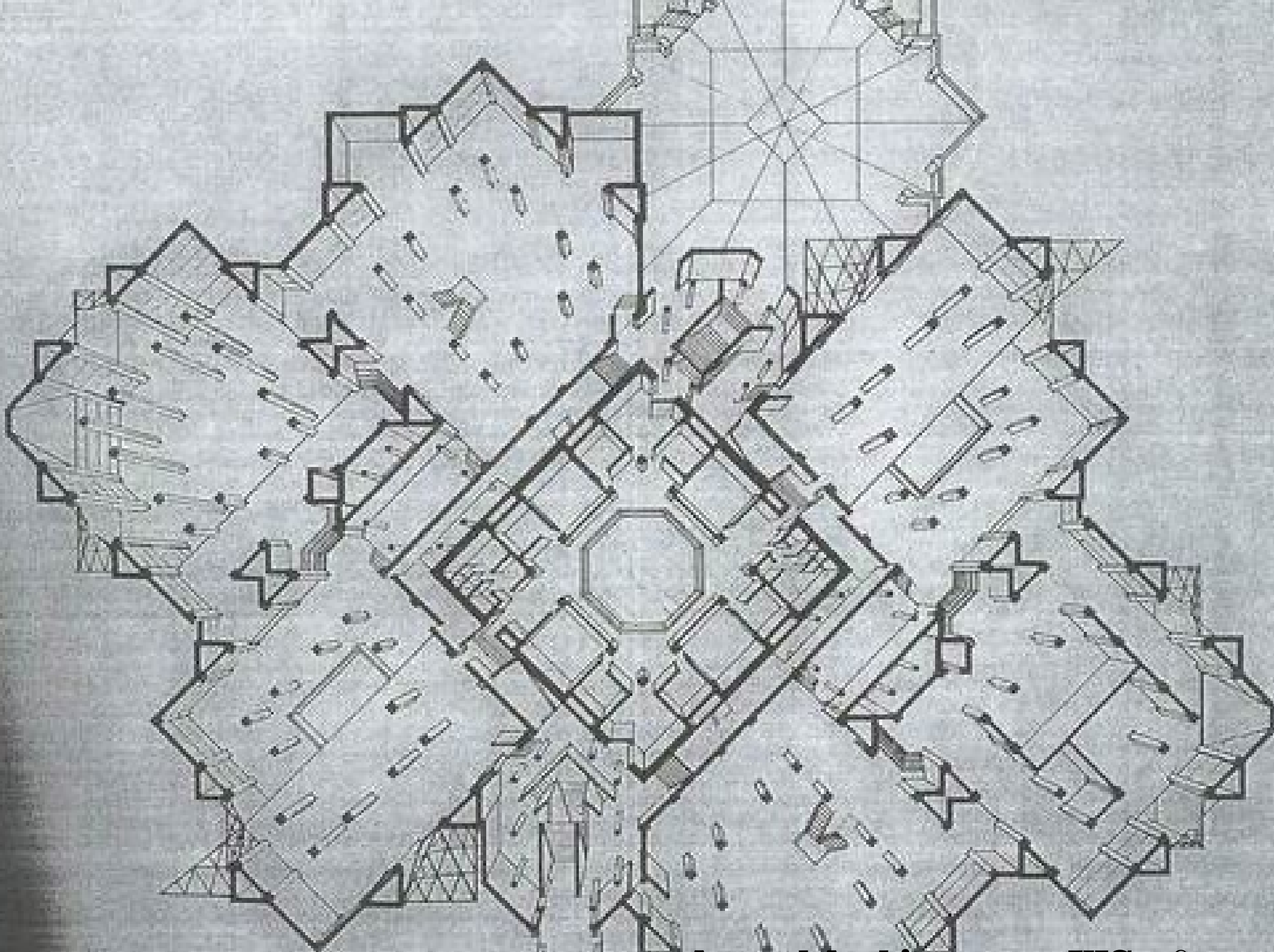
Natural History Museum 1964



Natural History Museum 1964

University of Illinois Chicago Campus 1964





Art and Architecture at UIC 1964

Northwestern Library 1964



“Books and readers would be interwoven, and the entire building would become a system for simultaneous storage, display, and use of books by unsupervised students.”

“By developing an individual-centered use...the concept reflects the direction toward self-study.”

Walter Netsch

*Quoted by David Goodman Five Histories in
Walter Netsch: Critical Appreciation and Sourcebook: 2008*



University of Chicago Library 1971

Program & Strategy

24/7

CAFE
(5 seats)

Open Study
40

COMPUTER STATIONS (20)
PRINT

Ref Collection
+ DISK

LIB SVCS
REF

INFO SECURITY

ENTRY 1

STAFF WORK (5 OFFICES)
STAFF WORK (5 OFFICES)

Special Collections
gorgons reading room +
in-student-space
open against

SC ARCHIVES
SHOWCASE FROM ENTRY

Partner Commons

OPEN STUDY 40

QUIET STUDY 40

QUIET STUDY 40

QUIET STUDY 40

MEDIUM 6-12p
STUDY ROOM (40)

COMPACT SHELVES IN BASEMENT

SMALL STUDY ROOM (40)

SMALL STUDY ROOM (40)

STAFF WORK (5 OFFICES)
Acq + Ref (5 OFFICES)

LOADING DOCK

Tech Services
STAFF WORK (5 OFFICES)

OPEN STUDY 40

OPEN STUDY 40

OPEN STUDY 40



How libraries are changing



network of collections



partnerships, new services



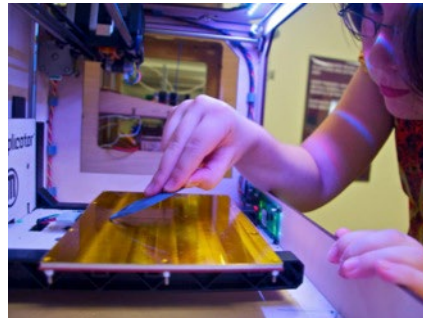
lectures & courses



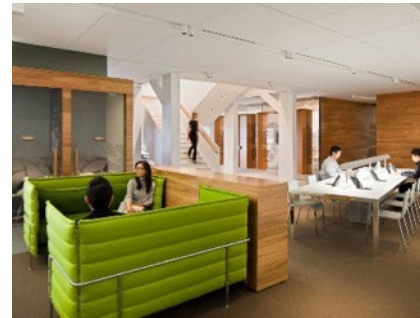
exhibitions



more, varied, flexible



activity & user specific



for staff and users



community building



convenient



where you need it



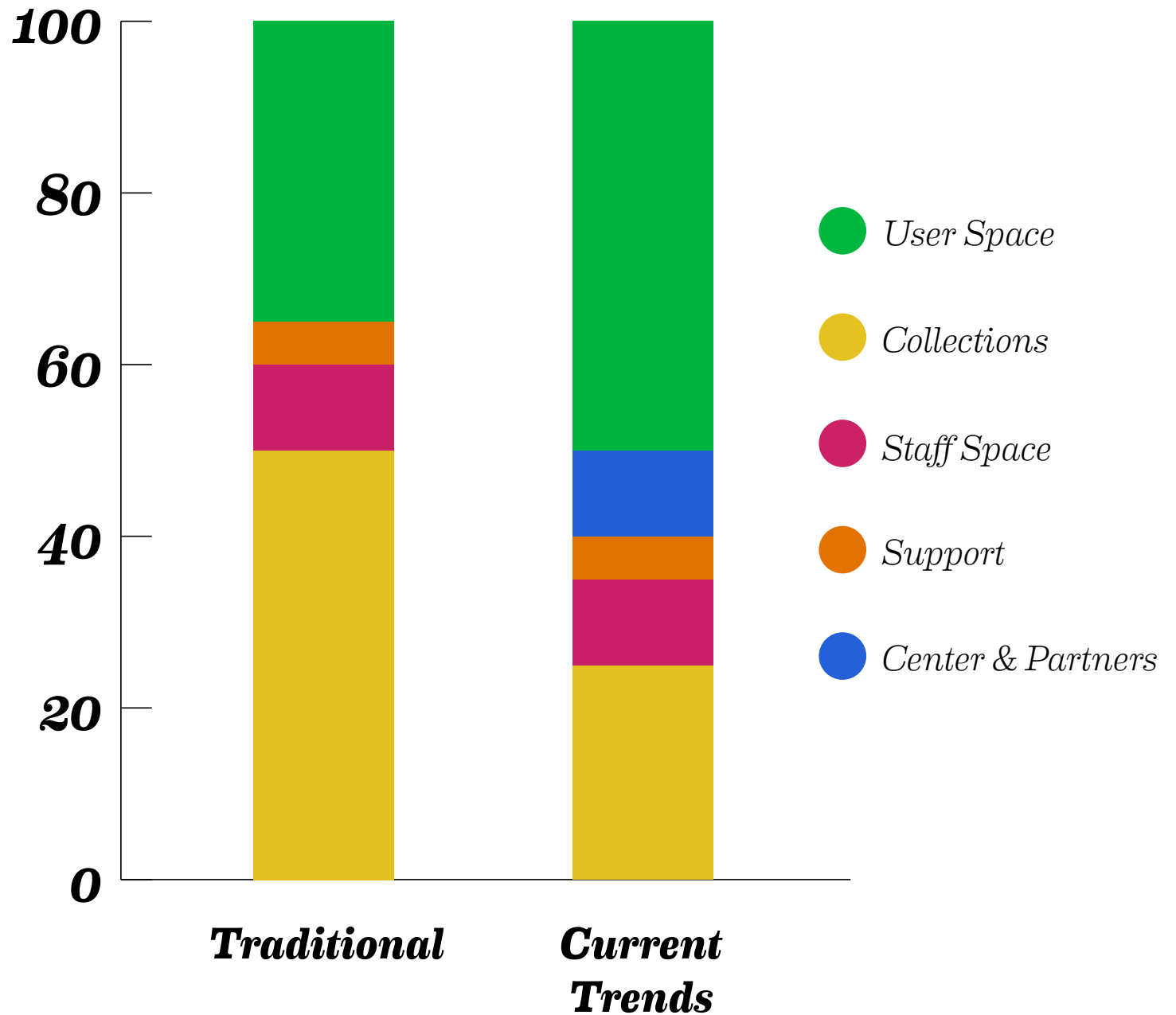
beyond the walls



consultative support

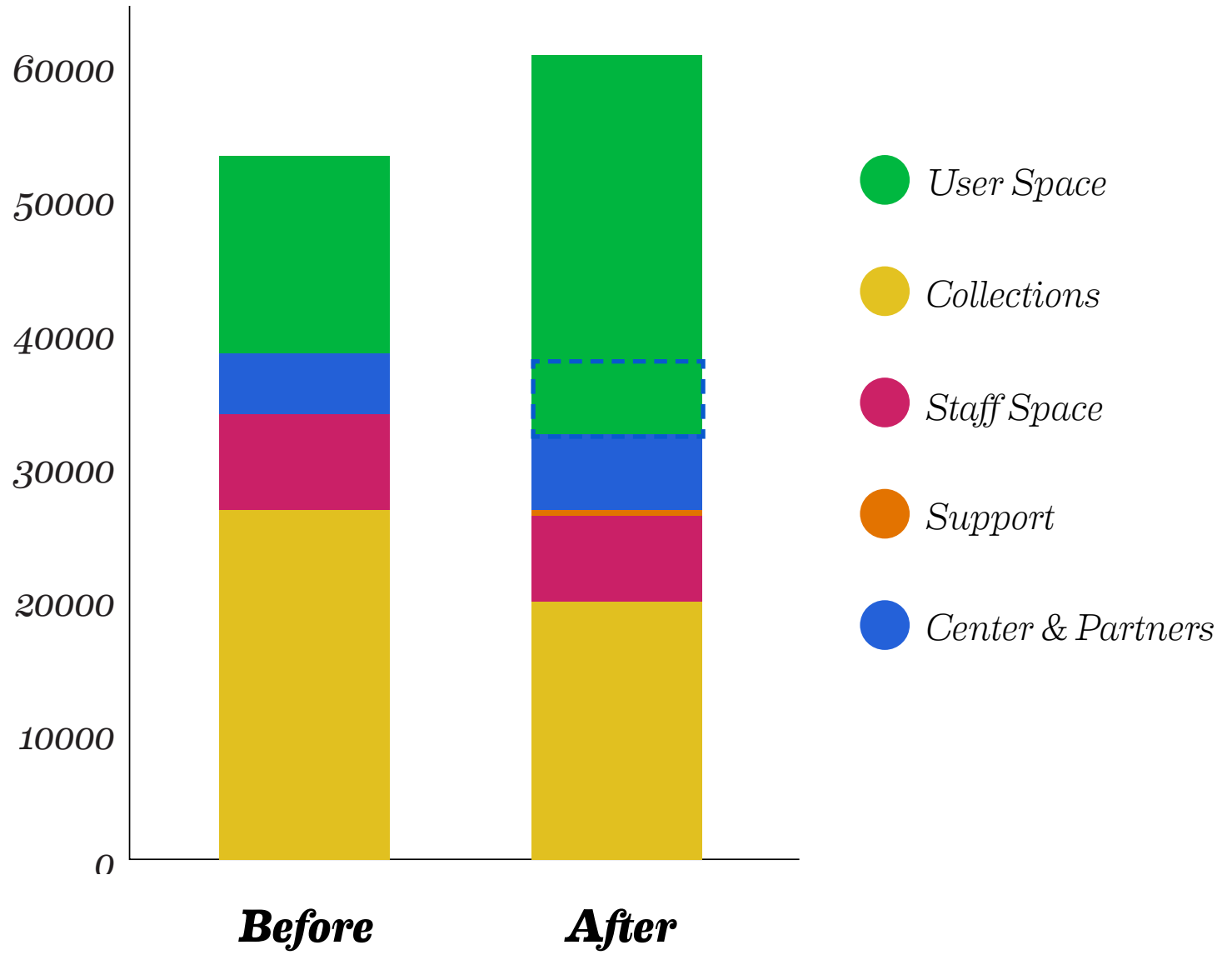
Where libraries are going

Shifting from collections focus to user space

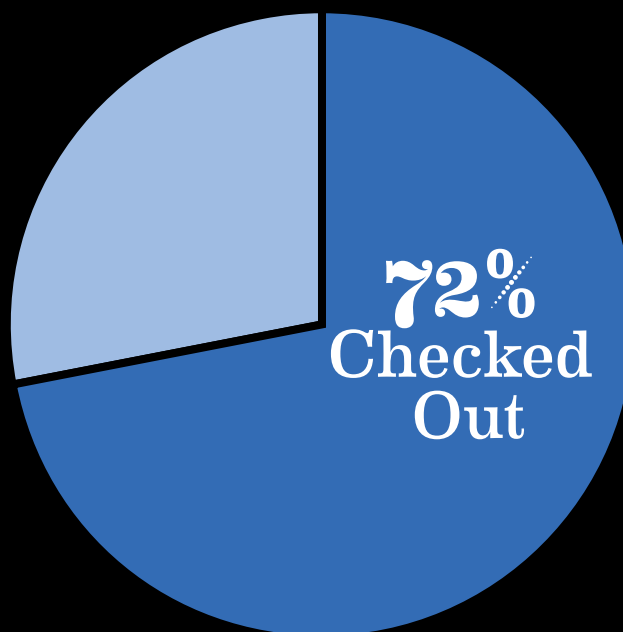


Current and future program

From 1/2 books to 2/3 people



the Block & the Book

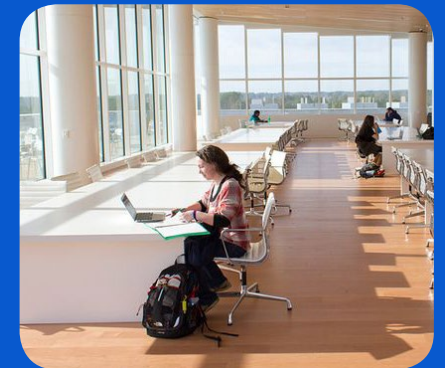


Last 20 years

The nature of the block plan creates demand for immediate access to resources. This rate of circulation significantly exceeds that of other comparable libraries. Specific collections have greater opportunity for weeding / off-site storage, while others show clear demands for immediate access.

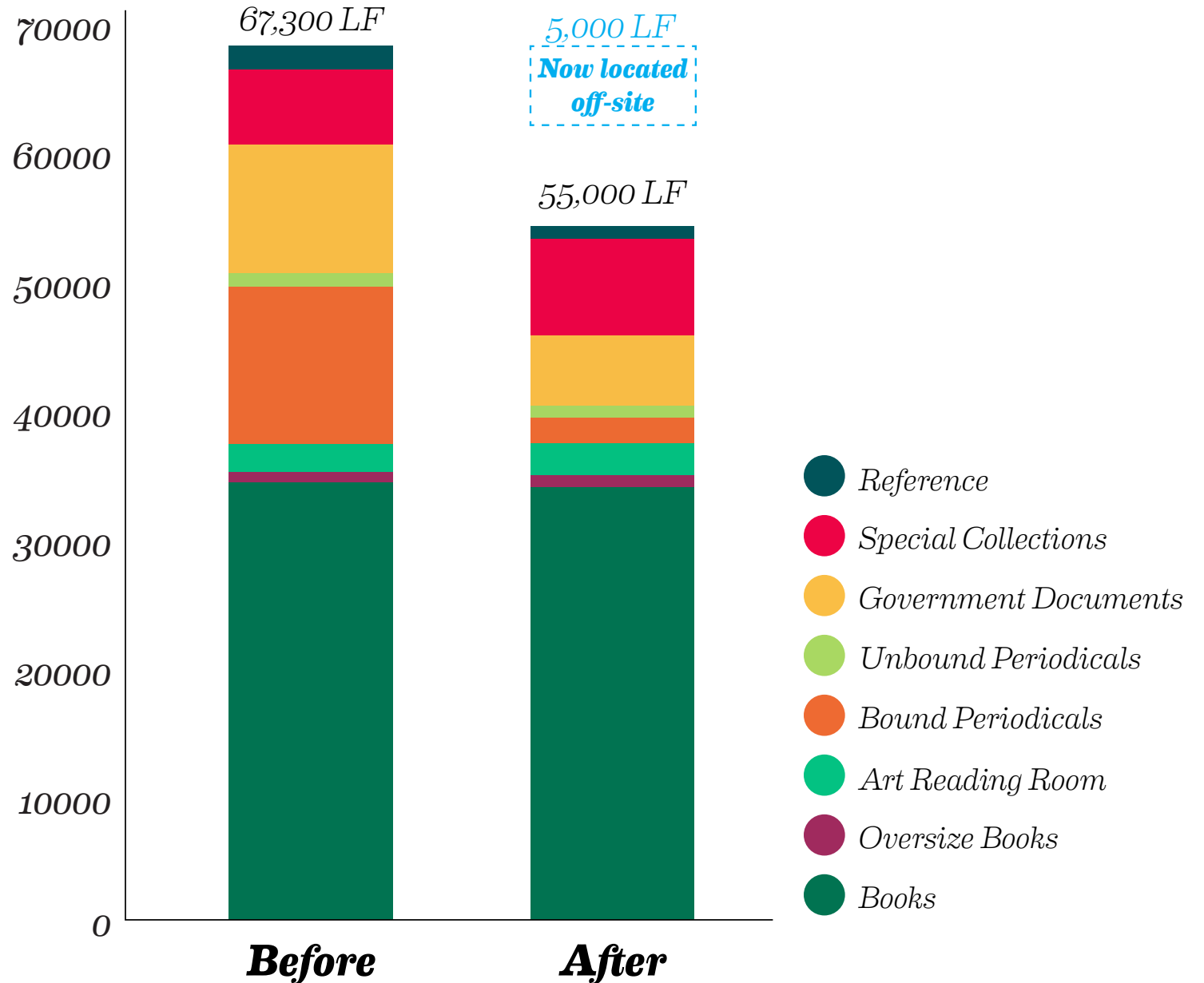
Collections Strategy

- **Rebalance collections and user space - implement weeding and off-site strategy**
- **Preserve access to key collections**
- **Highlight special collections and archives**
- **Keep off-site collections readily available**
- **Continue to increase digital collections**



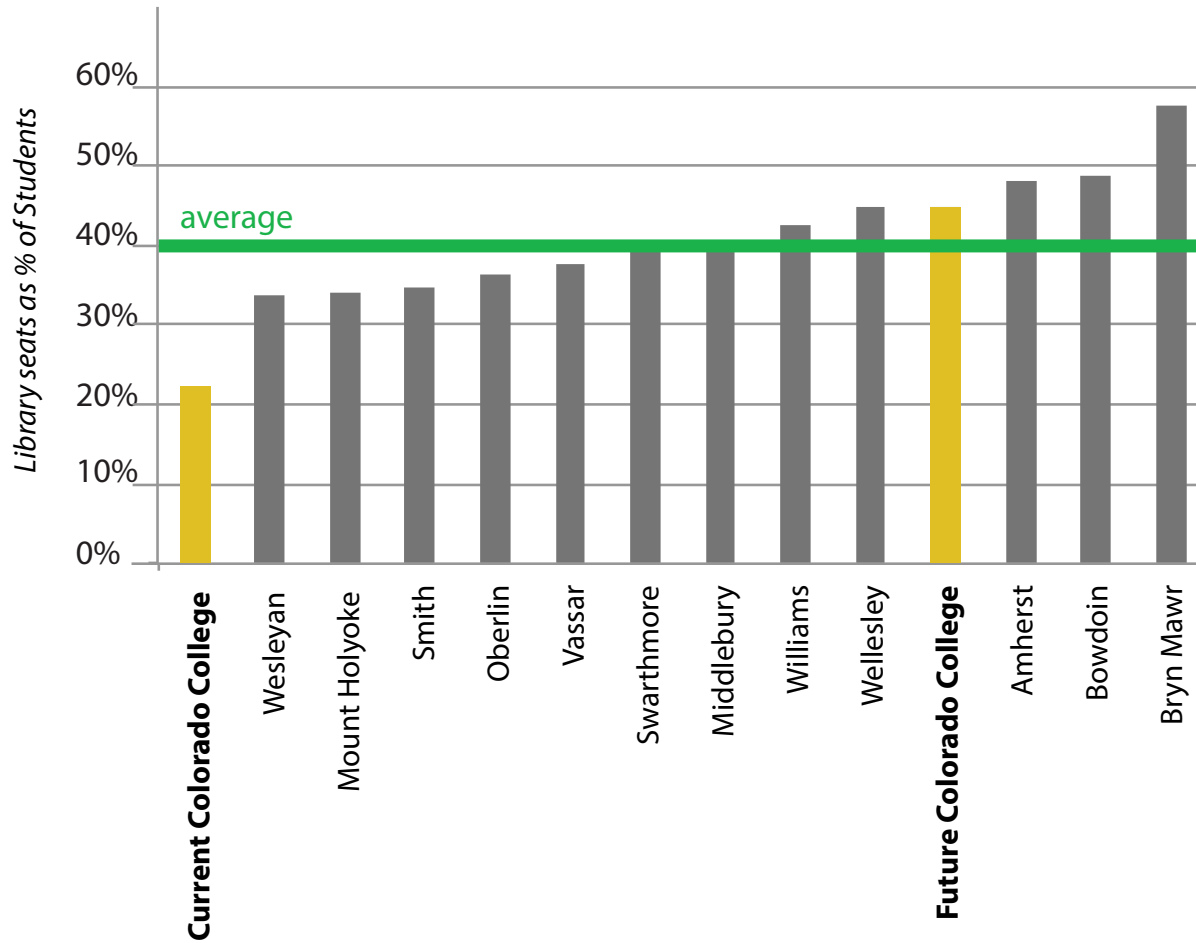
Collections

Space reduced by 25% while enabling growth in key areas



Space for students

Increased focus on creating space for a larger % of students



University	Seats	Students	% of Students
CC - Current	425	1,900	22%
Wesleyan	982	2,900	34%
Mount Holyoke	747	2,183	34%
Smith	919	2,650	35%
Oberlin	1,053	2,900	36%
Vassar	907	2,400	38%
Swarthmore	605	1,534	39%
Middlebury	996	2,450	41%
Williams	909	2,131	43%
Wellesley	1,030	2,300	45%
CC - Future	850	1,900	45%
Amherst	859	1,785	48%
Bowdoin	874	1,792	49%
Bryn Mawr	747	1,300	57%

Increasing access



425
seats

Current:
19.5% of students



850+
seats

Goal:
42% of students

Diversity of user space



gathering & event



exhibition spaces



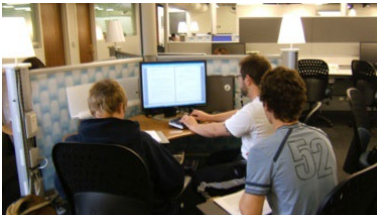
neighborhoods, 24/7



smart booths



touchdown space



collaborative computing



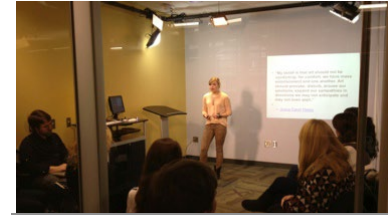
reading room



semi-enclosed nooks



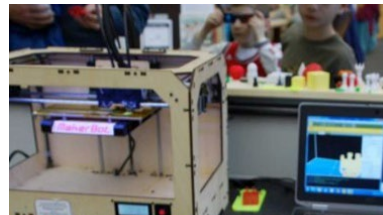
group study & collab.



presentation practice



multipurpose instruct'n



makerspace



media production



immersive visualizat'n



digitization



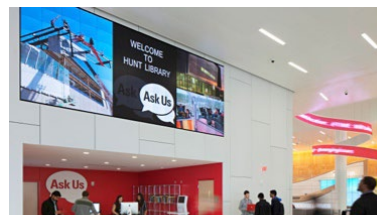
innovation & creativity



faculty services center



graduate studio



one-stop service zone



café

Service Strategies

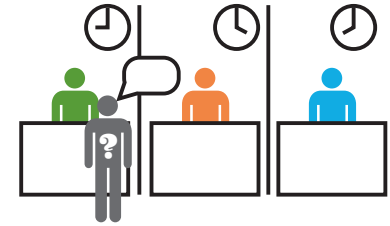
- **Integrate Partners**
- **Co-locate service points**
- **Preserve face-to-face, personalized services**
- **Design flexible consult spaces**
- **Provide access to experts**



How can services share space?

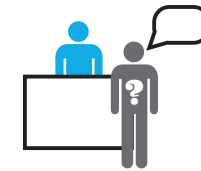
Visiting

Schedule hours in the library in spaces shared with other partners or users



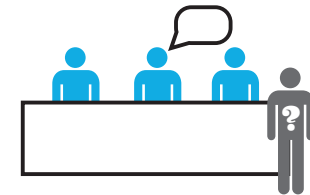
Satellite

Dedicated space for select services and/or hours; key service point elsewhere



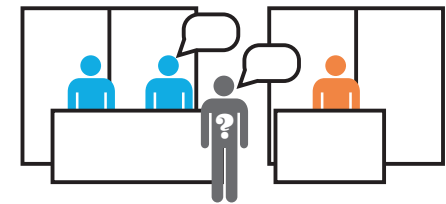
Storefront

Key service point is in the library, but offices/ back of house are elsewhere



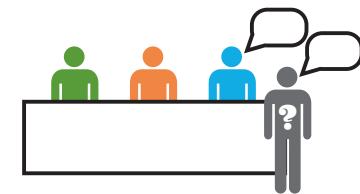
Co-located

All front and back of house spaces are located in the library, but partners remain separate



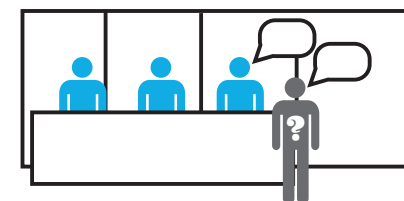
Collaborative

Campus partners provide complementary services in an integrated manner.



Embedded

All partner spaces are located in library and retain distinct identity, yet staff integrated.



New Service Strategies

Organization	FTE	Storefront	Co-located	Embedded
Colket Center	10.5		●	<i>or</i> ●
Crown Center	1		●	<i>or</i> ●
International Programs	4		●	<i>or</i> ●
Office of Sustainability	1		●	<i>or</i> ●
Collaborative for Community Engagement	4.5		●	<i>or</i> ●
Office of field study	1		●	<i>or</i> ●
Undergrad Research / Thesis & Fellowship Support	.5		●	<i>or</i> ●
In Residence Programs	1	●		
Pedagogy Researcher	1	●		
Alumni Liaison	1	●		
Disability Services	1	●		

METHOD

**Create a project that
expands, responds to, and
showcases the block plan**

METHOD



Expand

- 1. Connection to landscape**
- 2. Engagement with committed library staff**
- 3. Experience of the book**
- 4. Integrated support services**
- 5. Multi-use public space**
- 6. Accessible technology**

Respond

- 1. Make it accessible and welcoming**
- 2. Create diverse learning environments**
- 3. Create maker space**
- 4. Encourage collaboration**
- 5. Catalyze informal interactions**
- 6. Allow for private but visible study**

Showcase

- 1. History of the book**
- 2. Character of Colorado**
- 3. Learning as performance**
- 4. Immersive technology**
- 5. Interior ecology**
- 6. Bringing field work in**

Expand

Expand Connection to Landscape



Expand Experience of the book

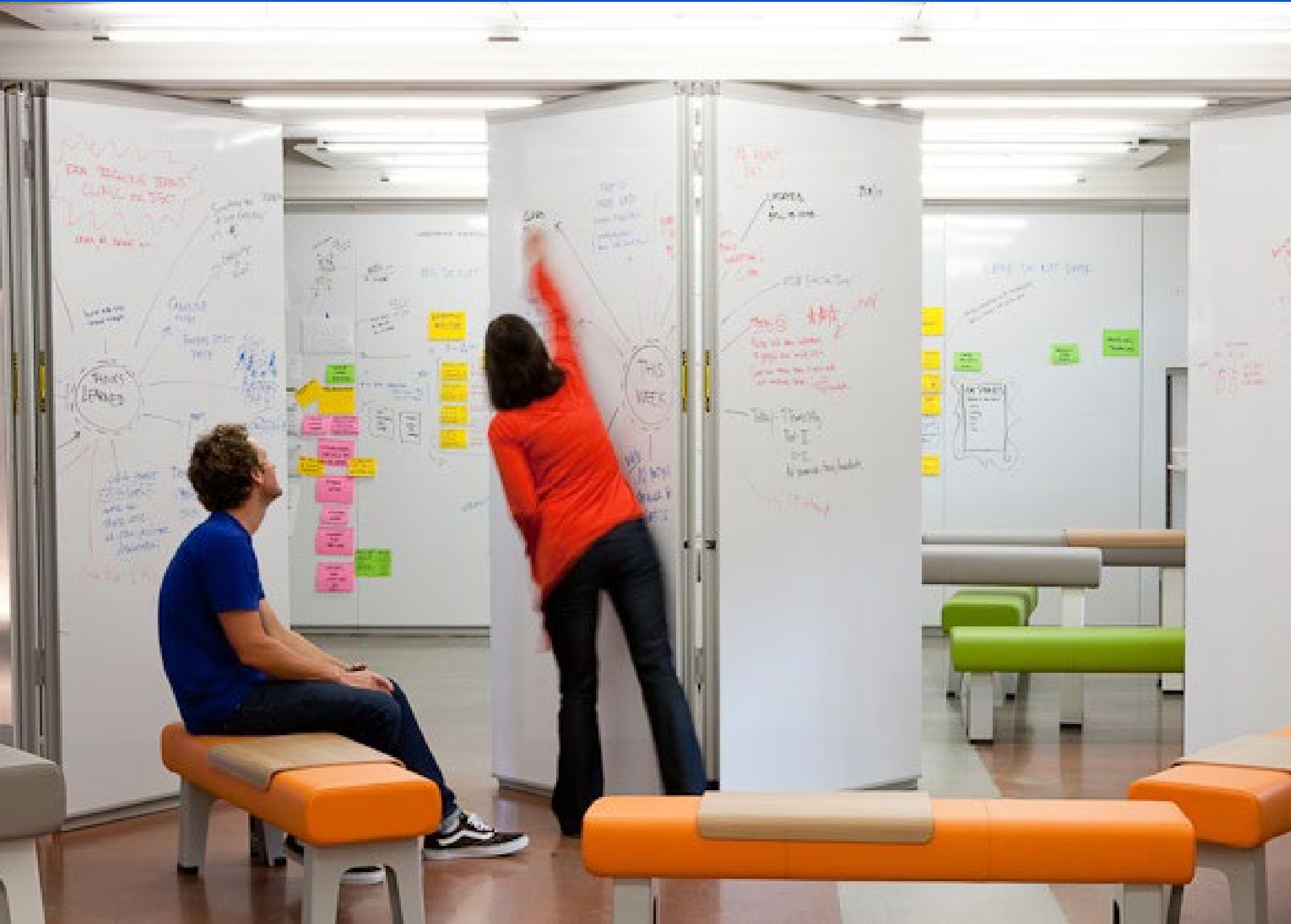


Expand Engagement with committed library staff



Respond

Respond Create collaboration space



Respond Catalyze informal interaction with 'Lily pad' space



Respond Create diverse learning environments



Showcase

Showcase Character of Colorado



Showcase Bring field work in



Showcase Spirit of adventure



Budget

\$45,424,000*

A. Contracted Construction	\$31,000,000.00
B. In-House Services	\$428,000.00
C. Professional Services	\$5,650,000.00
D. Fixed Equipment	\$400,000.00
E. Movable Furniture and Equipment	\$2,190,000.00
F. Relocation Costs	\$720,000.00
G. Utility Extensions and Diversions	\$332,000.00
H. Government Permits and Fees	\$184,000.00
I. Overall Project Contingency	\$4,520,000.00

**Preliminary budget based on combination of construction costs estimated by JE Dunn using typical per square foot multipliers and additional costs based on 2008 study. More specific costing to be developed in later stages.*

Construction

\$31MM

Option A

(New Building)

Renovate Tutt Library

17.2MM

Demolish Tutt South

435K

29,000 ft² New

13.4MM

Option B

(Up and Over)

Renovate Tutt Library

17.2MM

Demolish Tutt South

435K

15,000 ft² New Floor on Tutt

5.9MM

16,000 ft² New

7.5MM

Option C

(Recycle + Expand)

Renovate Tutt Library

17.2MM

Renovate Tutt South

6.5MM

16,000 ft² New

7.5MM

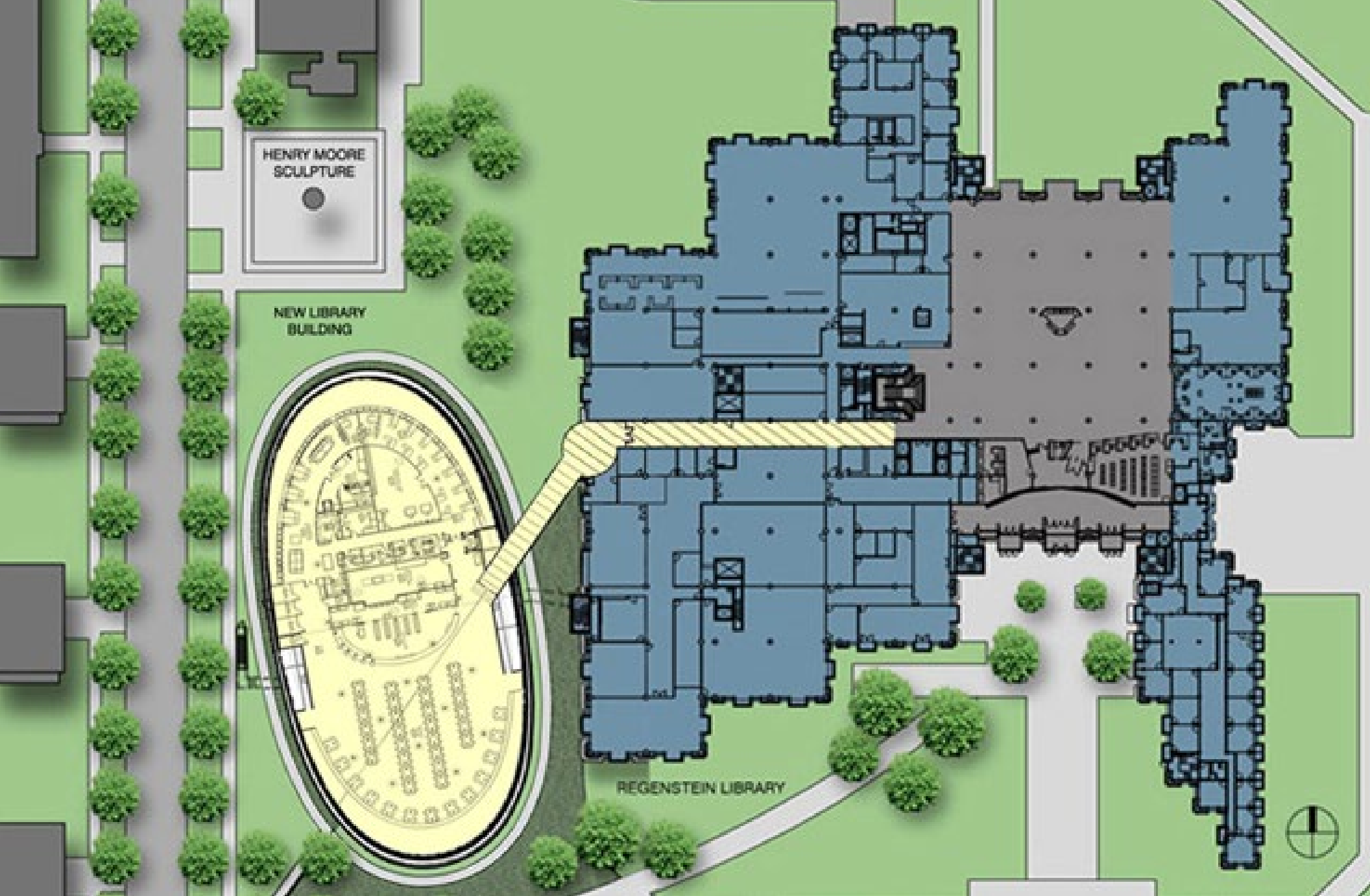
Renovate

&

Expand



University of Chicago Library 1971



University of Chicago Library 2011
Renovated by Helmet Jahn



University of Chicago Library 2011
Renovated by Helmet Jahn



Two Columbus Circle

Edward Durell Stone 1964
renovated by Allied Works 2008



Yale Art and Architecture School

Paul Rudolph 1963

renovated by Gwathmey Siegel & Associates 2008



Clare T. Carney Library UMass Dartmouth

Paul Rudolph 1963
renovated by Design Lab 2012

Tutt

***the center
of CC***



Weber St

Canam Hwy

N

N Cascade Ave

W Cache La Poudre St

N Cascade Ave

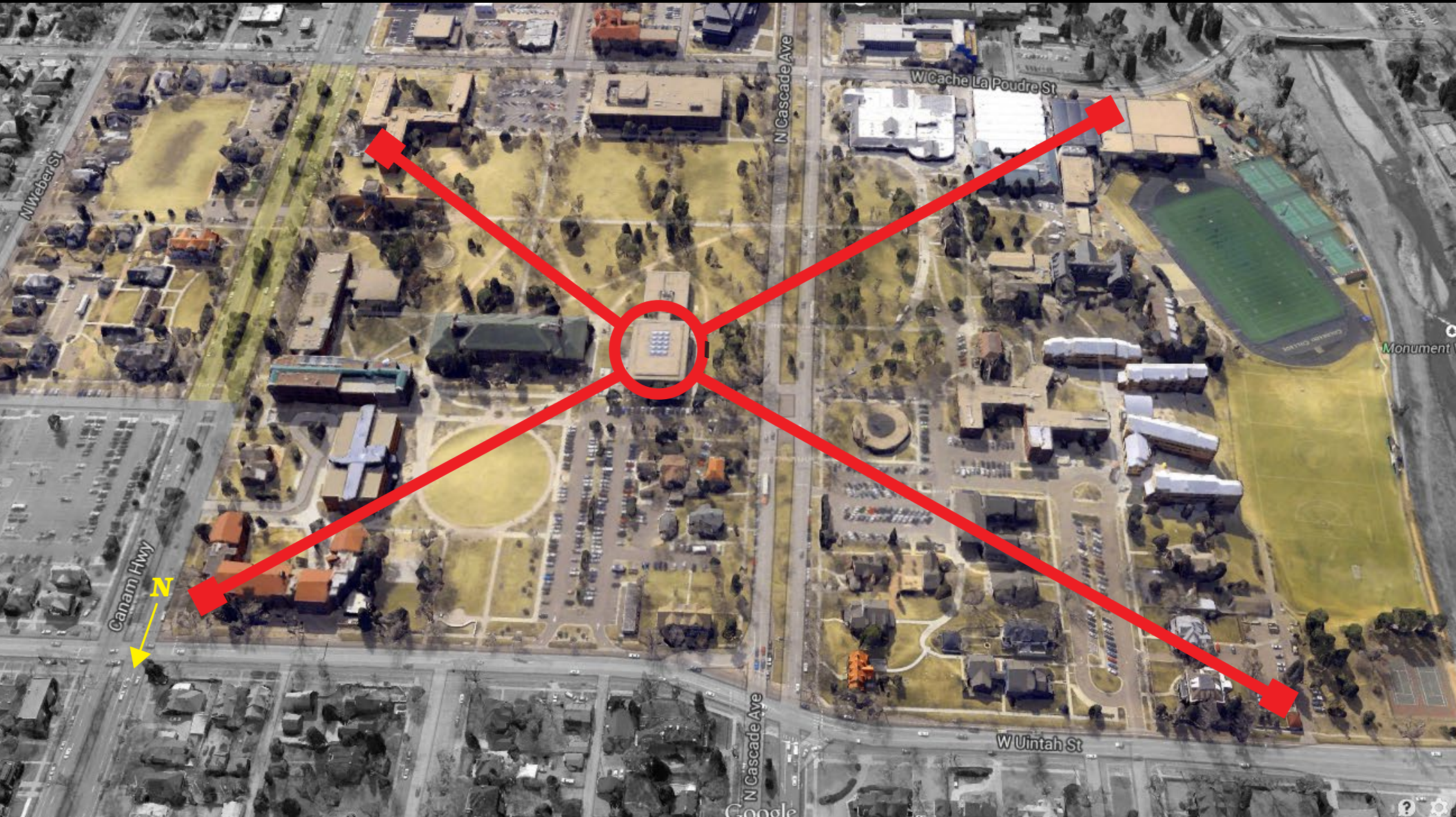
W Uintah St

Monument

Google

?

the physical center



the physical center



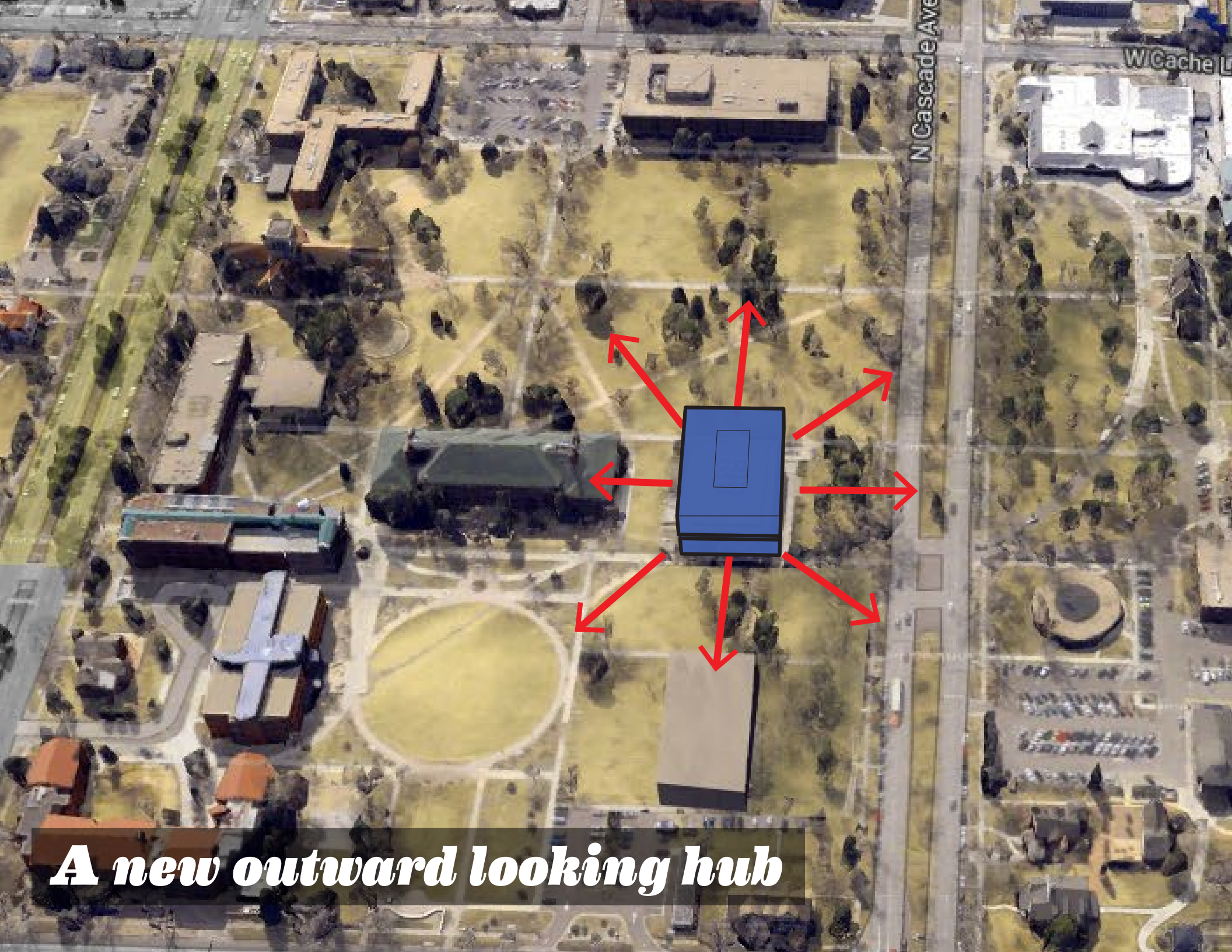


N Cascade Ave

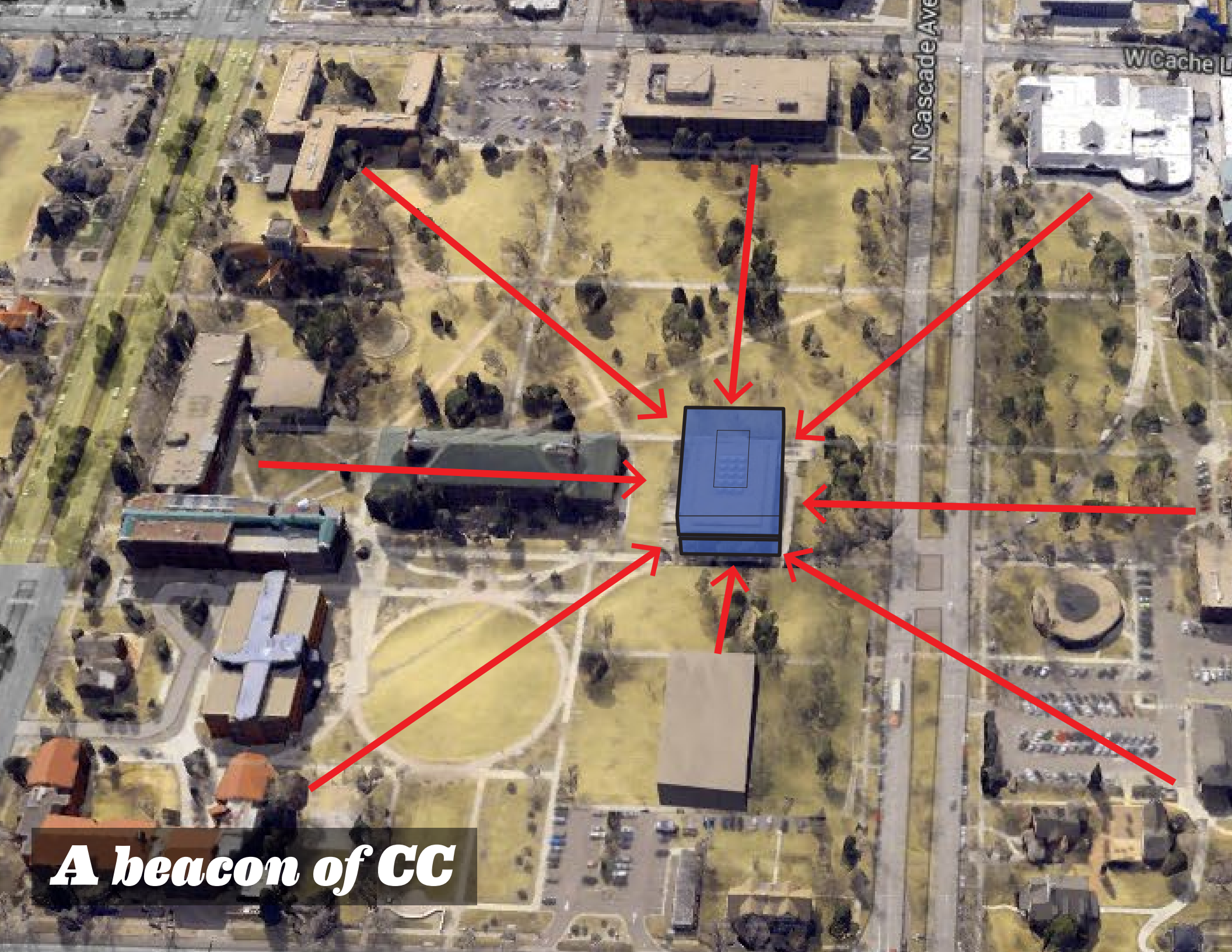
W Cache L



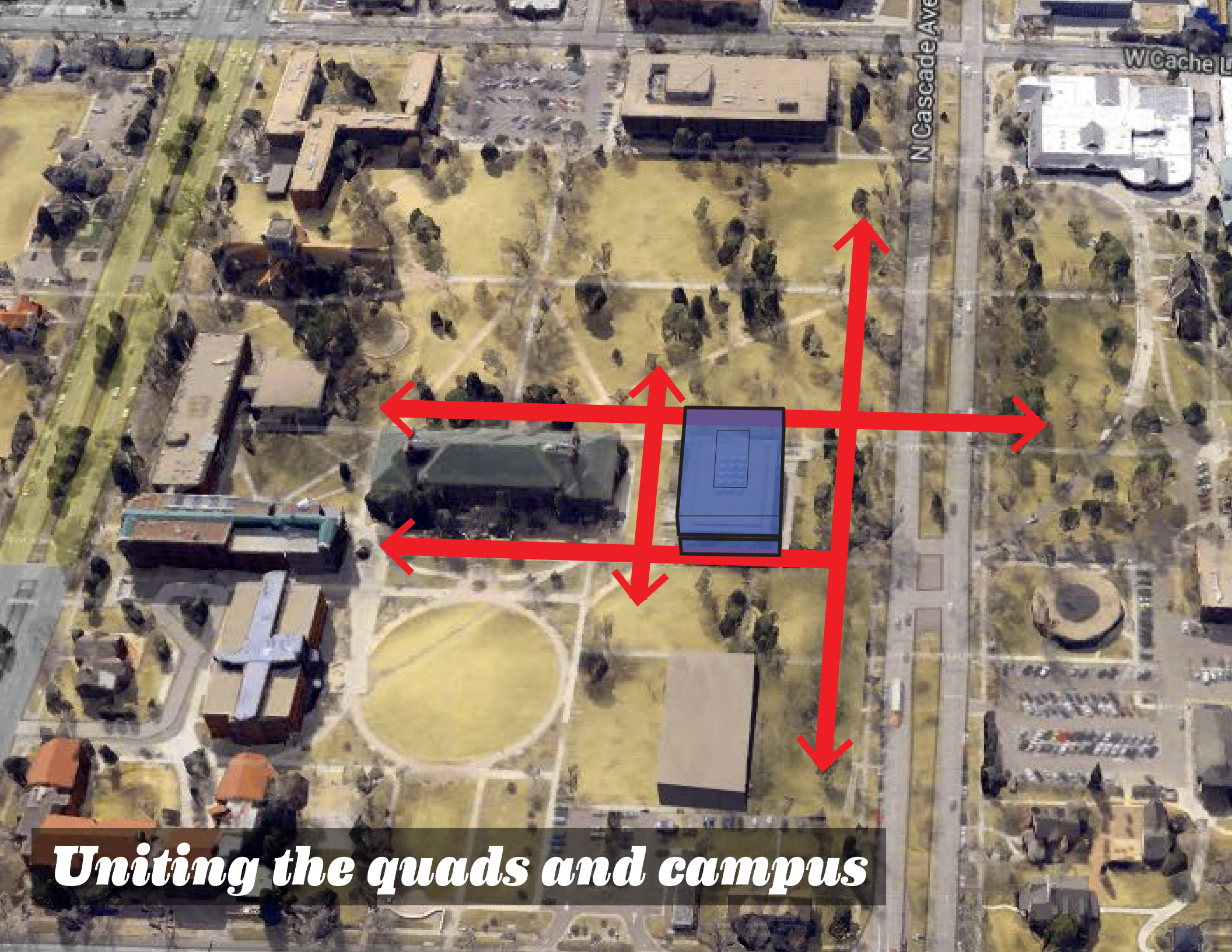
presently there is only one focal point - the entrance



A new outward looking hub



A beacon of CC



Uniting the quads and campus