“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
Our Experience
the Process

Programming and Concept
Schematic Design
Design Development
Construction Documents
Construction
Schedule

8 weeks

3/24-3/28
3/31-4/4 VISIONING
4/7-4/11 DETAILED VIEW
4/21 DRAFT 1
5/1-5/2 DRAFT 2
5/16 FINAL
LISTENING 3/24-3/28
VISIONING 3/31-4/4
DETAILED VIEW 4/7-4/11
DRAFT 1 4/21
DRAFT 2 5/1-5/2
FINAL 5/16

Jill Tiefenthaler
Thayer Tutt
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Traci Freeman
Brian Young
Sandi Wong
Mike Edmonds
Chris Coulter
LISTENING: 3/24-3/28
VISIONING: 3/31-4/4
DETAILED VIEW: 4/7-4/11
DRAFT 1: 4/21
DRAFT 2: 5/1-5/2
FINAL: 5/16

Programming Workshops
Technical Assessment
Today

Program Draft Update

Design Strategies for feedback
Mission
What’s the end goal?

Method
How do we get there?

Behavior
What new behaviors lead to this impact?

Change

Impact
What are the metrics to evaluate our progress?
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
All members of the CC community regularly utilize the full spectrum of resources
Coburn Library
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.
Walter Netsch
the architectural legacy of Tutt

“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.”
“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
“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
“...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
“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
Program & Strategy
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

Traditional

Current Trends

User Space
Collections
Staff Space
Support
Center & Partners
Current and future program

From 1/2 books to 2/3 people

<table>
<thead>
<tr>
<th></th>
<th>Before</th>
<th>After</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Space</td>
<td>0</td>
<td>60000</td>
</tr>
<tr>
<td>Collections</td>
<td>50000</td>
<td>40000</td>
</tr>
<tr>
<td>Staff Space</td>
<td>20000</td>
<td>30000</td>
</tr>
<tr>
<td>Support</td>
<td>10000</td>
<td>20000</td>
</tr>
<tr>
<td>Center &amp; Partners</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
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

Before

After

67,300 LF

5,000 LF

Now located off-site

55,000 LF

Legend:
- Reference
- Special Collections
- Government Documents
- Unbound Periodicals
- Bound Periodicals
- Art Reading Room
- Oversize Books
- Books
Space for students

Increased focus on creating space for a larger % of students

<table>
<thead>
<tr>
<th>University</th>
<th>Seats</th>
<th>Students</th>
<th>% of Students</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CC - Current</strong></td>
<td>425</td>
<td>1,900</td>
<td>22%</td>
</tr>
<tr>
<td>Wesleyan</td>
<td>982</td>
<td>2,900</td>
<td>34%</td>
</tr>
<tr>
<td>Mount Holyoke</td>
<td>747</td>
<td>2,183</td>
<td>34%</td>
</tr>
<tr>
<td>Smith</td>
<td>949</td>
<td>2,650</td>
<td>35%</td>
</tr>
<tr>
<td>Oberlin</td>
<td>1,053</td>
<td>2,900</td>
<td>36%</td>
</tr>
<tr>
<td>Vassar</td>
<td>907</td>
<td>2,400</td>
<td>38%</td>
</tr>
<tr>
<td>Vassar</td>
<td>605</td>
<td>1,534</td>
<td>39%</td>
</tr>
<tr>
<td>Middlebury</td>
<td>996</td>
<td>2,450</td>
<td>41%</td>
</tr>
<tr>
<td>Williams</td>
<td>909</td>
<td>2,131</td>
<td>43%</td>
</tr>
<tr>
<td>Wellesley</td>
<td>1,030</td>
<td>2,300</td>
<td>45%</td>
</tr>
<tr>
<td><strong>CC - Future</strong></td>
<td>850</td>
<td>1,900</td>
<td>45%</td>
</tr>
<tr>
<td>Amherst</td>
<td>859</td>
<td>1,785</td>
<td>48%</td>
</tr>
<tr>
<td>Bowdoin</td>
<td>874</td>
<td>1,792</td>
<td>49%</td>
</tr>
<tr>
<td>Bryn Mawr</td>
<td>747</td>
<td>1,300</td>
<td>57%</td>
</tr>
</tbody>
</table>
Increasing access

Current: 19.5% of students

Goal: 42% of students
### Diversity of user space

<table>
<thead>
<tr>
<th>Gathering &amp; Event</th>
<th>Exhibition Spaces</th>
<th>Neighborhoods, 24/7</th>
<th>Smart Booths</th>
<th>Touchdown Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collaborative Computing</td>
<td>Reading Room</td>
<td>Semi-Enclosed Nooks</td>
<td>Group Study &amp; Collab.</td>
<td>Presentation Practice</td>
</tr>
<tr>
<td>Multipurpose Instruct’N</td>
<td>Makerspace</td>
<td>Media Production</td>
<td>Immersive Visualizat’N</td>
<td>Digitization</td>
</tr>
<tr>
<td>Innovation &amp; Creativity</td>
<td>Faculty Services Center</td>
<td>Graduate Studio</td>
<td>One-Stop Service Zone</td>
<td>Café</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Organization</th>
<th>FTE</th>
<th>Storefront</th>
<th>Co-located</th>
<th>Embedded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colket Center</td>
<td>10.5</td>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Crown Center</td>
<td>1</td>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>International Programs</td>
<td>4</td>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Office of Sustainability</td>
<td>1</td>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Collaborative for Community Engagement</td>
<td>4.5</td>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Office of field study</td>
<td>1</td>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>Undergrad Research / Thesis &amp; Fellowship Support</td>
<td>0.5</td>
<td></td>
<td>or</td>
<td></td>
</tr>
<tr>
<td>In Residence Programs</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pedagogy Researcher</td>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>Alumni Liaison</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disability Services</td>
<td>1</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
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
Experience of the book
Engagement with committed library staff
Respond
Respond
Create collaboration space
Catalyze informal interaction with ‘Lily pad’ space
Create diverse learning environments
Showcase
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
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
the physical center
presently there is only one focal point - the entrance
A new outward looking hub
A beacon of CC
Uniting the quads and campus