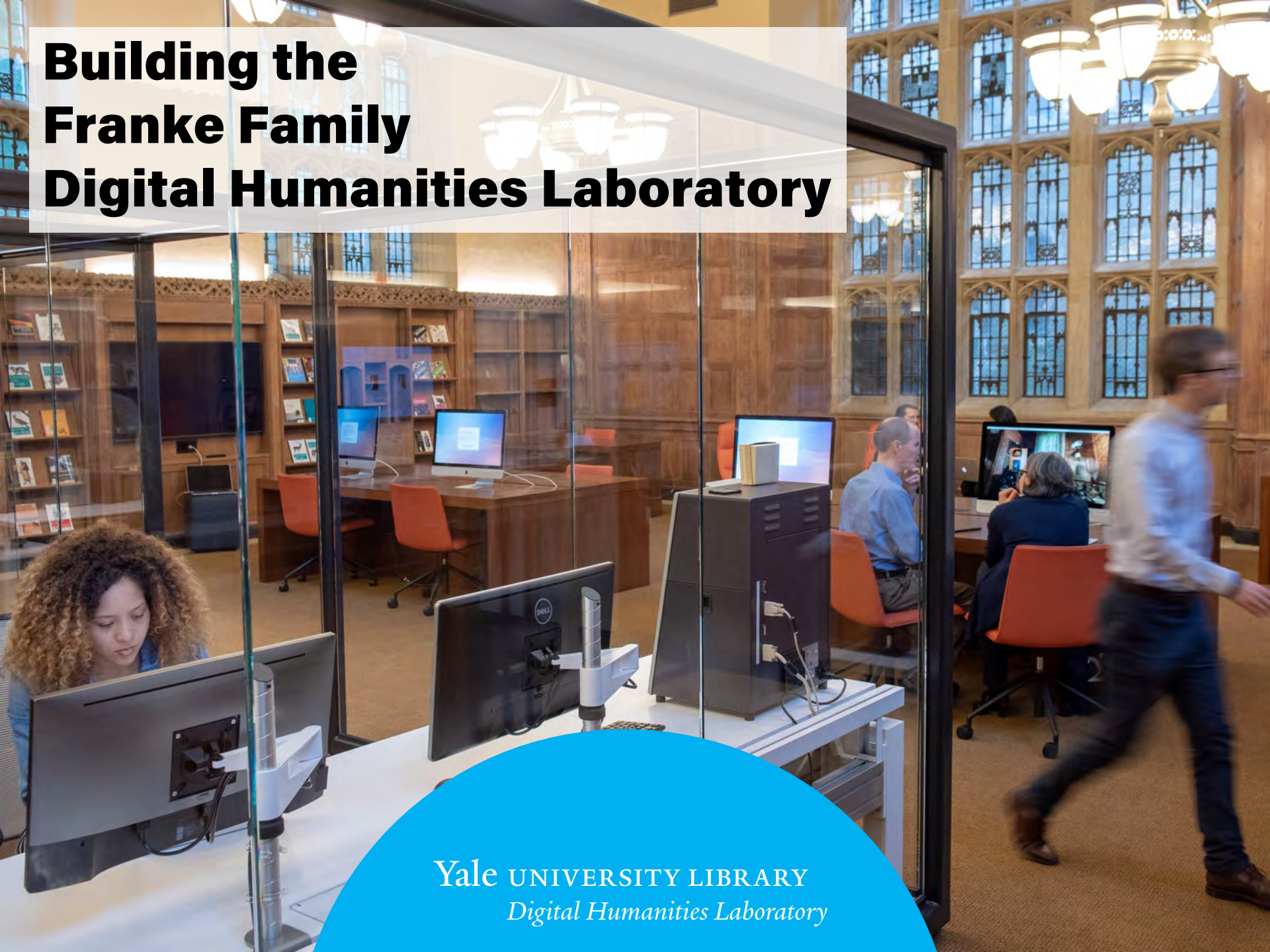
Building the Franke Family Digital Humanities Laboratory



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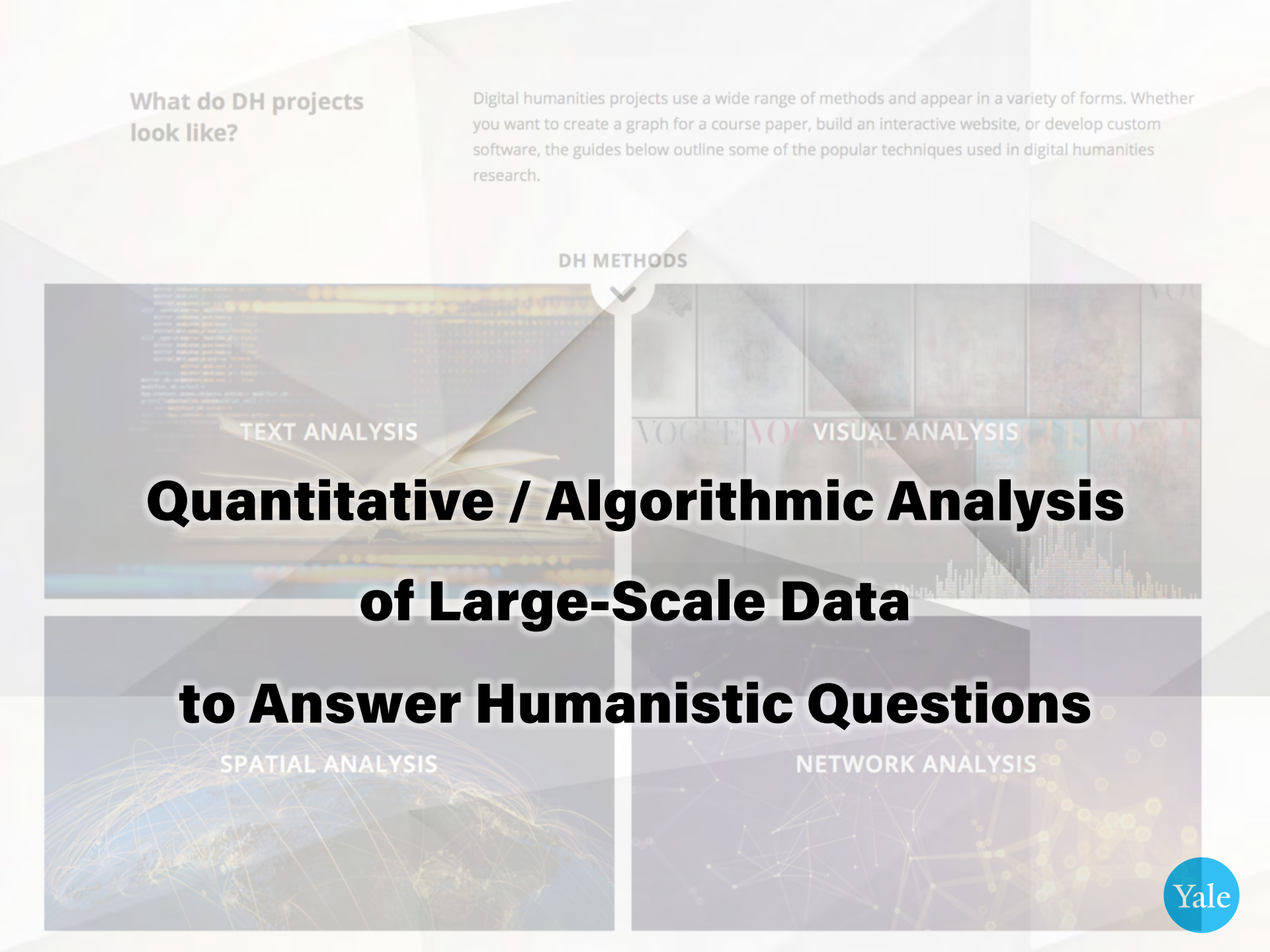
Digital Humanities Laboratory

What do DH projects look like?

Digital humanities projects use a wide range of methods and appear in a variety of forms. Whether you want to create a graph for a course paper, build an interactive website, or develop custom software, the guides below outline some of the popular techniques used in digital humanities research.

DH METHODS



Quantitative / Algorithmic Analysis of Large-Scale Data to Answer Humanistic Questions

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Yale University Library

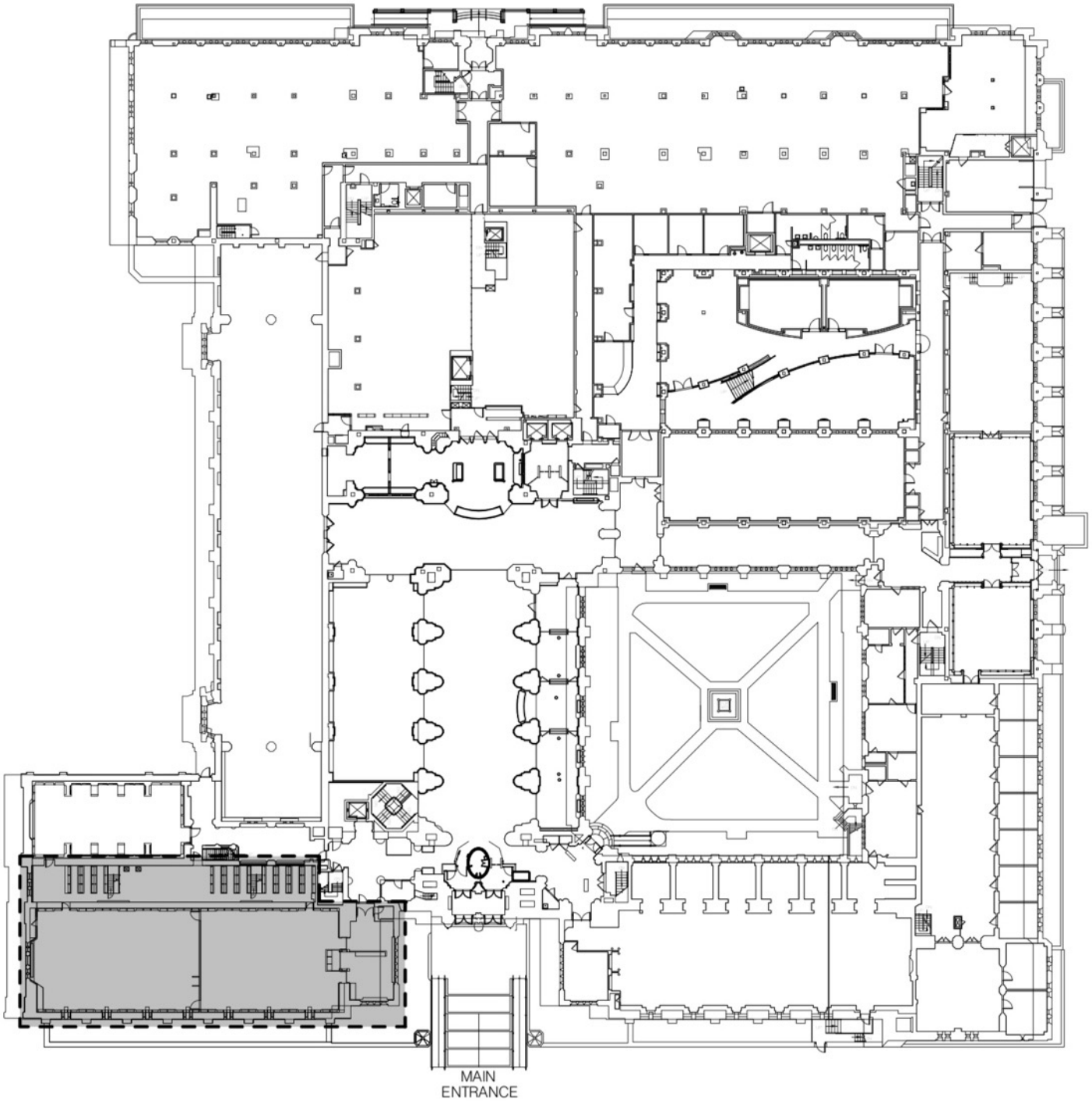
"The Library is the Heart of the University"

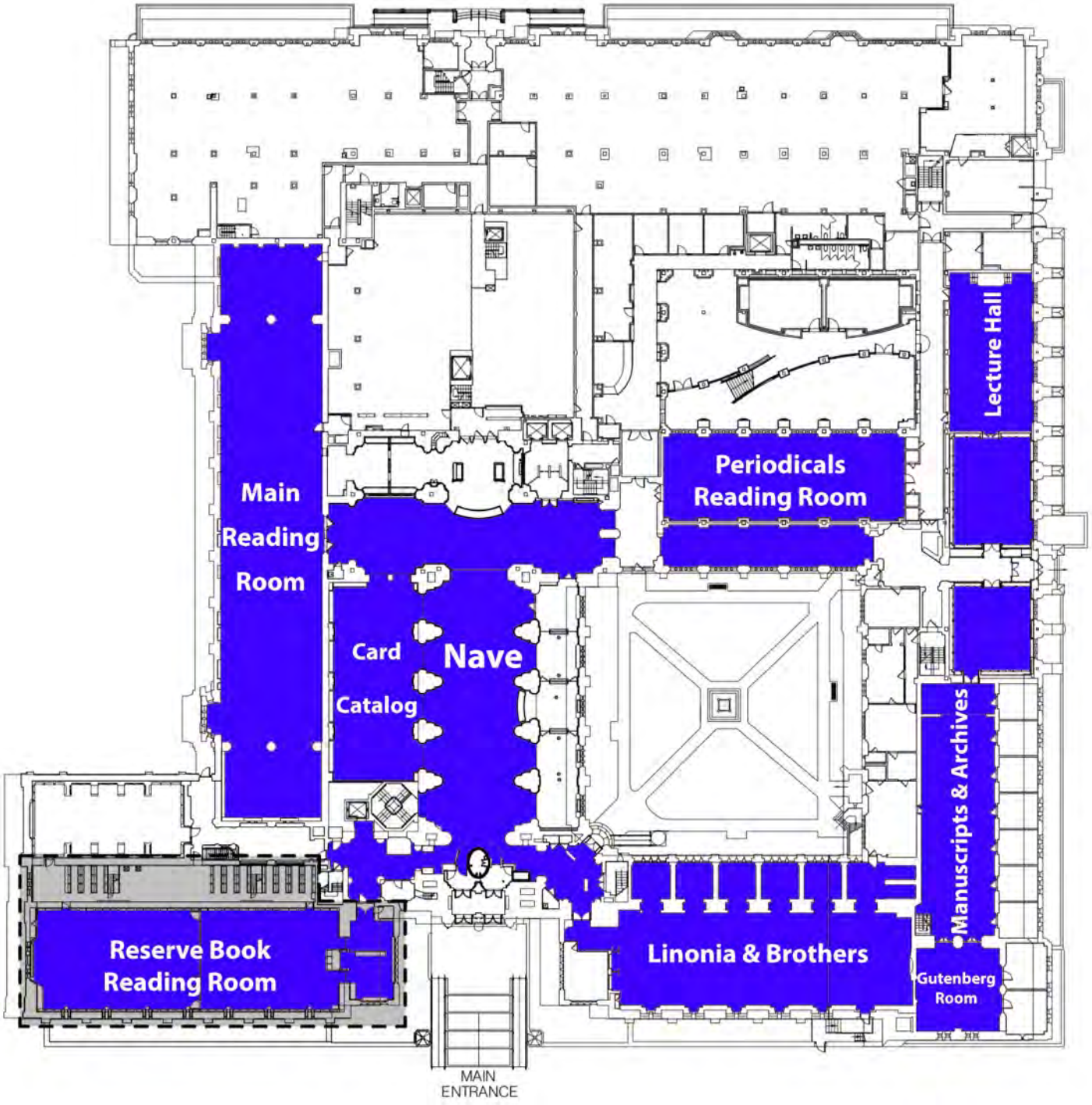
500+ employees

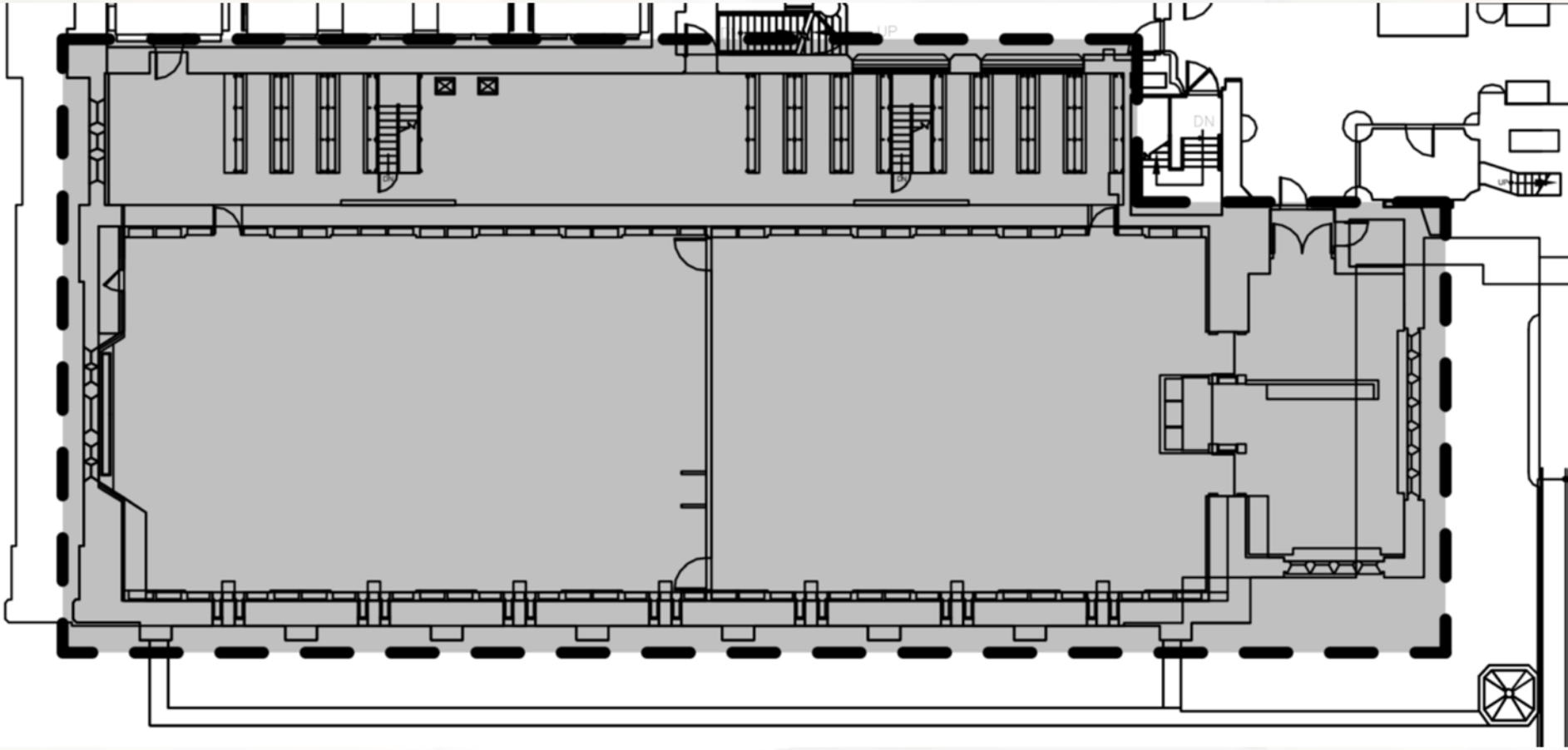
15 million+ print & electronic volumes

15 libraries across campus

Sterling Memorial Library


MAIN
ENTRANCE


Main Reading Room
Card Catalog
Nave
Periodicals Reading Room
Lecture Hall
Manuscripts & Archives
Reserve Book Reading Room
Linonia & Brothers
Gutenberg Room
MAIN ENTRANCE



4,800 sq ft / 450 m²

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Goals

...and Priorities

- Bring Digital Affordances into a Historic Room
  - **Materials**
  - **View corridors**
- Make Digital Humanities Labor Visible
  - **Security**
  - **Transparency**
- Balance Structured & Flexible Space
  - **Individual activities**
  - **Group projects**
  - **Larger workshops**

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Bring Digital Affordances into a Historic[izing] Room

Or, Digital Scholarship in the Tudor Court

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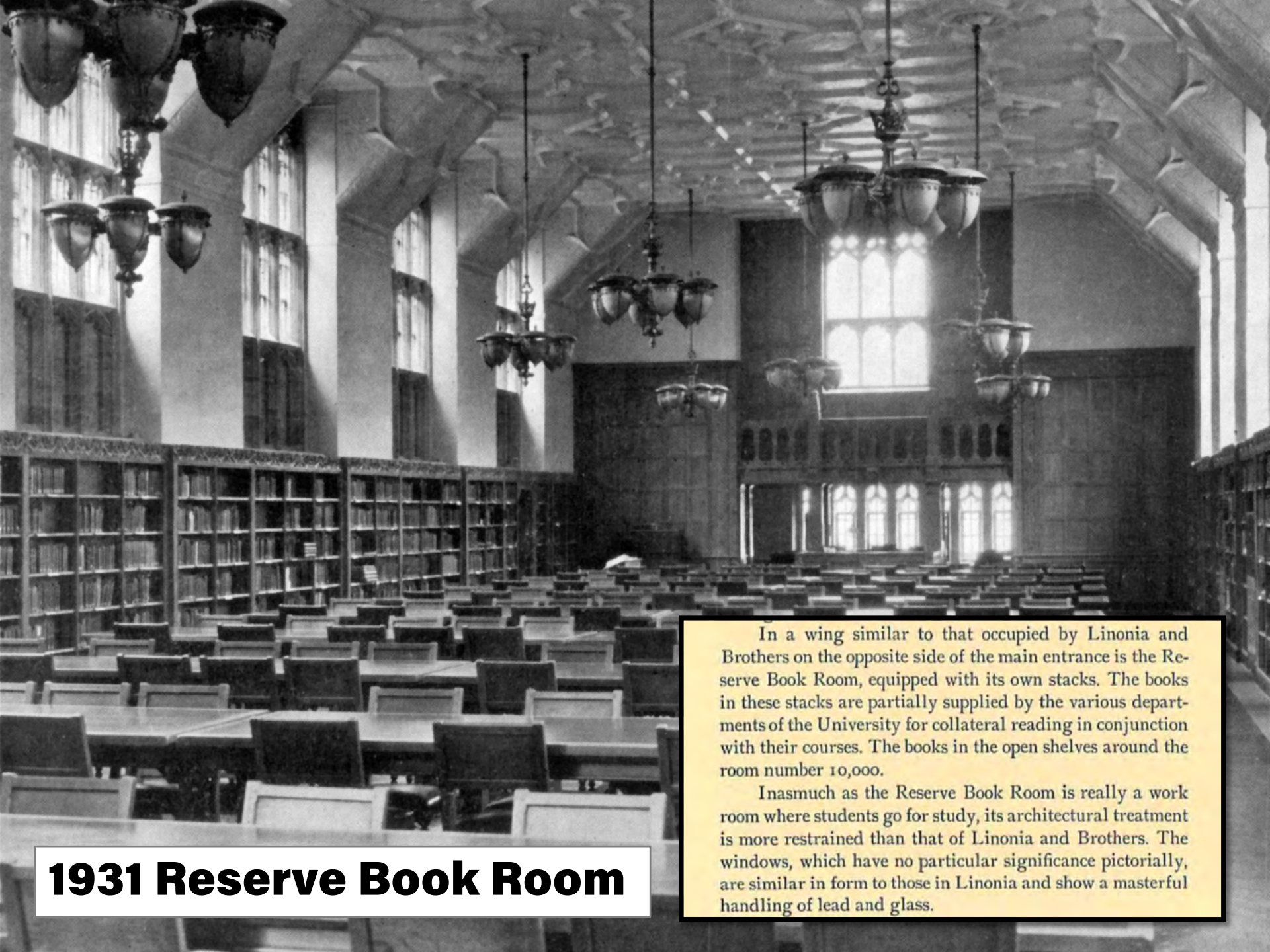
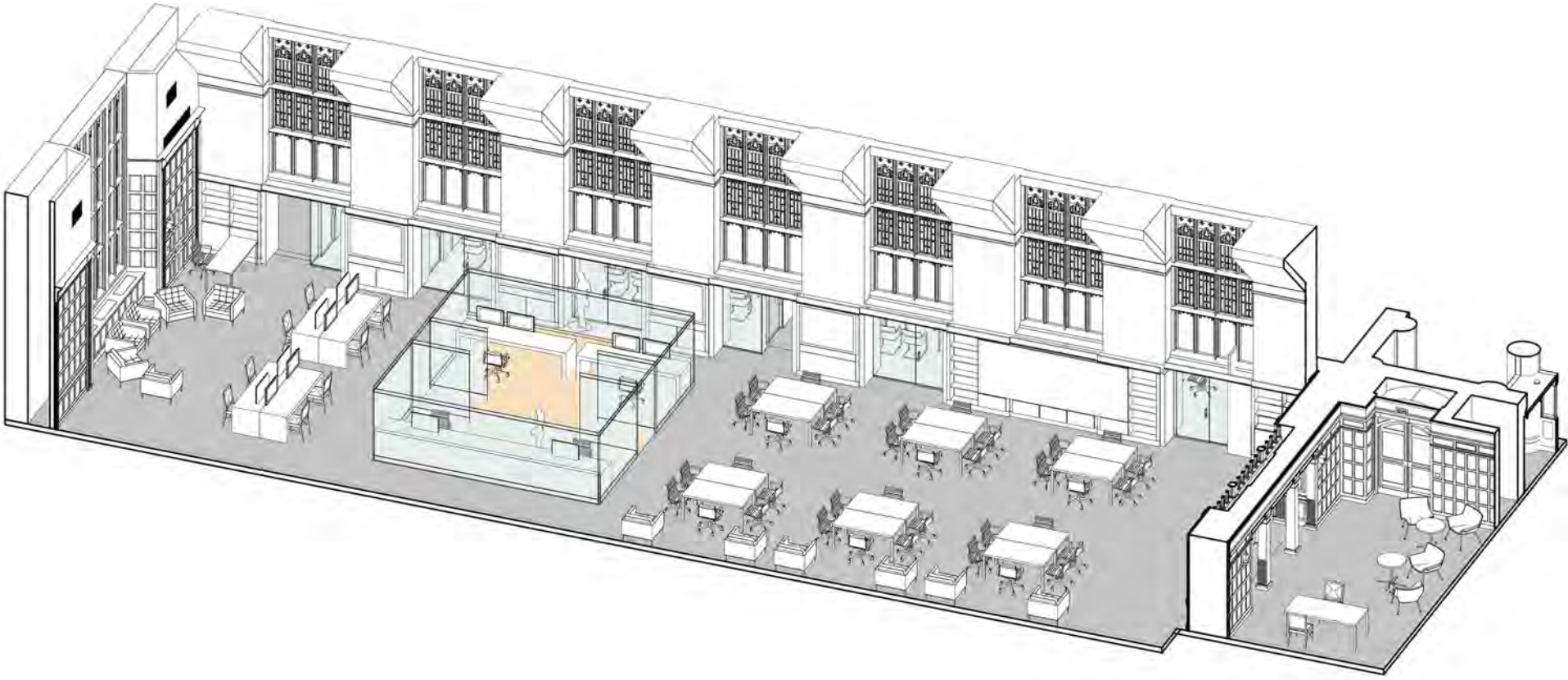
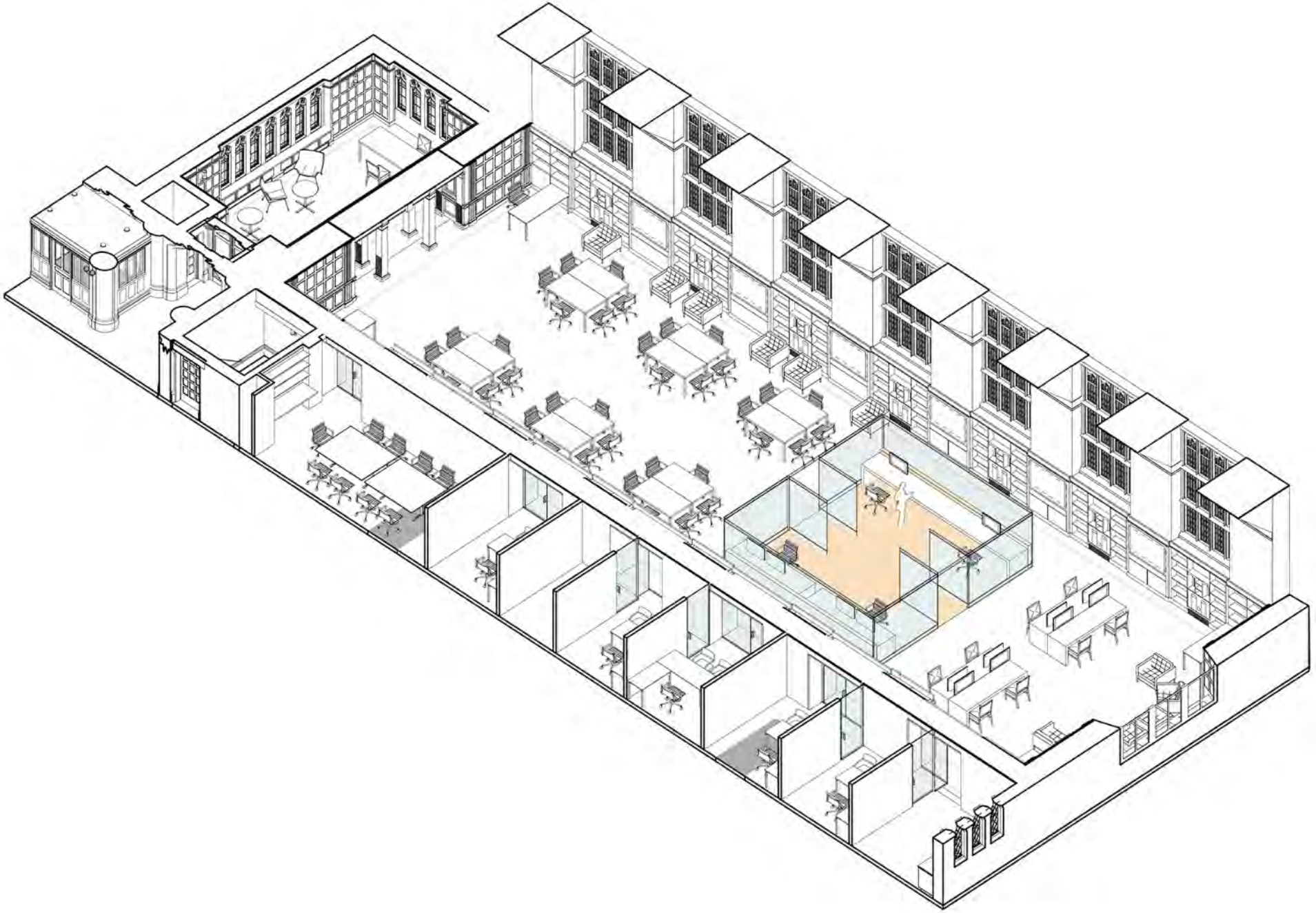


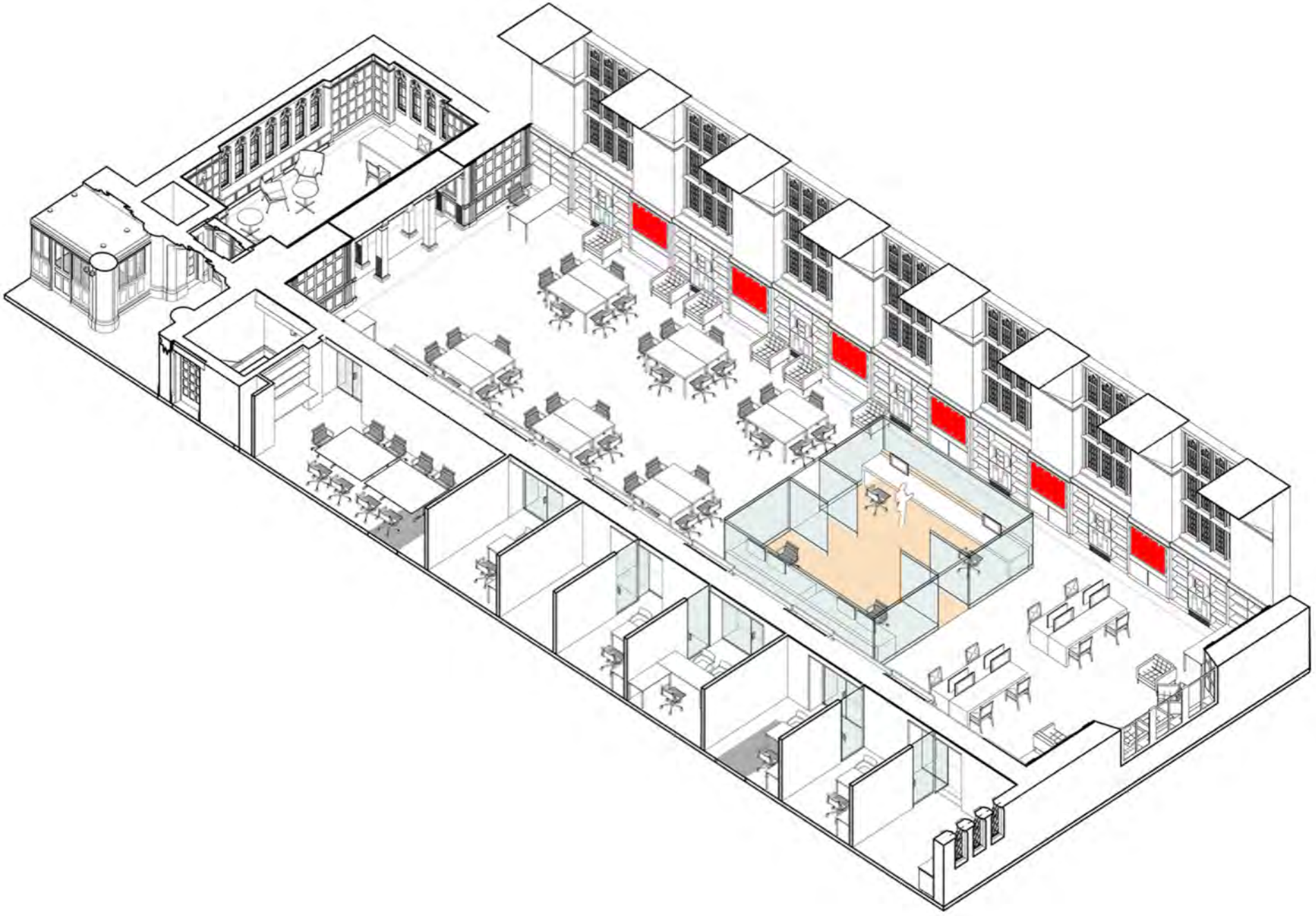
1931 Reserve Book Room

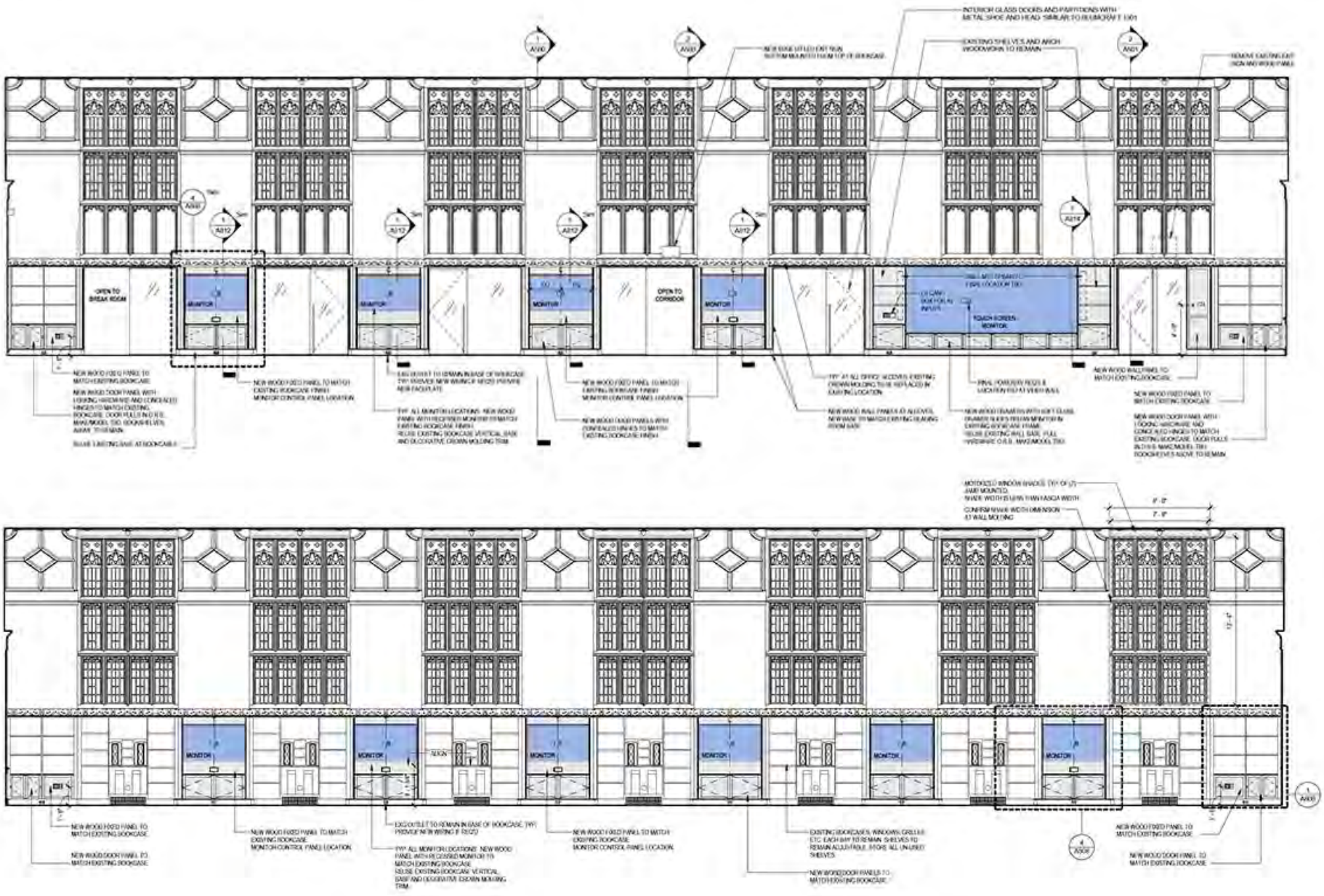
In a wing similar to that occupied by Linonia and Brothers on the opposite side of the main entrance is the Reserve Book Room, equipped with its own stacks. The books in these stacks are partially supplied by the various departments of the University for collateral reading in conjunction with their courses. The books in the open shelves around the room number 10,000.

Inasmuch as the Reserve Book Room is really a work room where students go for study, its architectural treatment is more restrained than that of Linonia and Brothers. The windows, which have no particular significance pictorially, are similar in form to those in Linonia and show a masterful handling of lead and glass.








INTERIOR GLASS DOORS AND PARTITIONS WITH METAL SHOE AND HEAD SIMILAR TO BLUMCRAFT 1301
EXISTING SHELVES AND ARCH WOODWORK TO REMAIN
OPEN TO BREAK ROOM
MONITOR
OPEN TO CORRIDOR
TOUCH SCREEN MONITOR
NEW WOOD FIXED PANEL TO MATCH EXISTING BOOKCASE
NEW WOOD DOOR PANEL WITH LOOKING HARDWARE AND CONCEALED HINGES TO MATCH EXISTING BOOKCASE. DOOR PULLS IN O.R.B. MAKE/MODEL TBD. BOOKSHELVES ABOVE TO REMAIN
NEW WOOD FIXED PANEL TO MATCH EXISTING BOOKCASE FINISH MONITOR CONTROL PANEL LOCATION
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NEW WOOD DOOR PANEL WITH LOOKING HARDWARE AND CONCEALED HINGES TO MATCH EXISTING BOOKCASE. DOOR PULLS IN O.R.B. MAKE/MODEL TBD. BOOKSHELVES ABOVE TO REMAIN
MOTORIZED WINDOW SHADES (TYP. OF 17) JAMB MOUNTED. SHADE WIDTH IS LESS THAN FASCIA WIDTH
CONFIRM SHADE WIDTH DIMENSION AT WALL MOLDING
NEW WOOD FIXED PANEL TO MATCH EXISTING BOOKCASE
NEW WOOD DOOR PANEL TO MATCH EXISTING BOOKCASE
NEW WOOD FIXED PANEL TO MATCH EXISTING BOOKCASE MONITOR CONTROL PANEL LOCATION
EXIST. OUTLET TO REMAIN IN BASE OF BOOKCASE. TYP. PROVIDE NEW WIRING IF REQ'D
TYP. ALL MONITOR LOCATIONS: NEW WOOD PANEL WITH RECESSED MONITOR TO MATCH EXISTING BOOKCASE. REUSE EXISTING BOOKCASE VERTICAL BASE AND DECORATIVE CROWN MOLDING TRIM
NEW WOOD FIXED PANEL TO MATCH EXISTING BOOKCASE MONITOR CONTROL PANEL LOCATION
EXISTING BOOKCASES, WINDOWS, GRILLES ETC. EACH BAY TO REMAIN. SHELVES TO REMAIN ADJUSTABLE. STORE ALL UNLIKELY SHELVES
NEW WOOD DOOR PANELS TO MATCH EXISTING BOOKCASE
NEW WOOD FIXED PANEL TO MATCH EXISTING BOOKCASE
NEW WOOD DOOR PANEL TO MATCH EXISTING BOOKCASE

Materials

Materials

Materials

Unobstructed Axial View

Unobstructed Axial View

Unobstructed Axial View

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Make Digital Humanities Labor Visible

Or, why do you need a special room?

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What can’t be done on a laptop?

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Specialized Computation

- Deep Learning / GPU
- High RAM (128gb)
- Large Storage (>4tb)
- Multi-core/thread (18/36)
- VR/AR Headsets
- 5k/8k monitors

Digitization

- Book Scanner
- Microfilm Scanner

27” iMacs

- GIS (ArcGIS, QGIS)
- TEI-XM (Oxygen)
- Text Analysis (Mallet)
- Stats (R)

Special Projects Cube & Workstations

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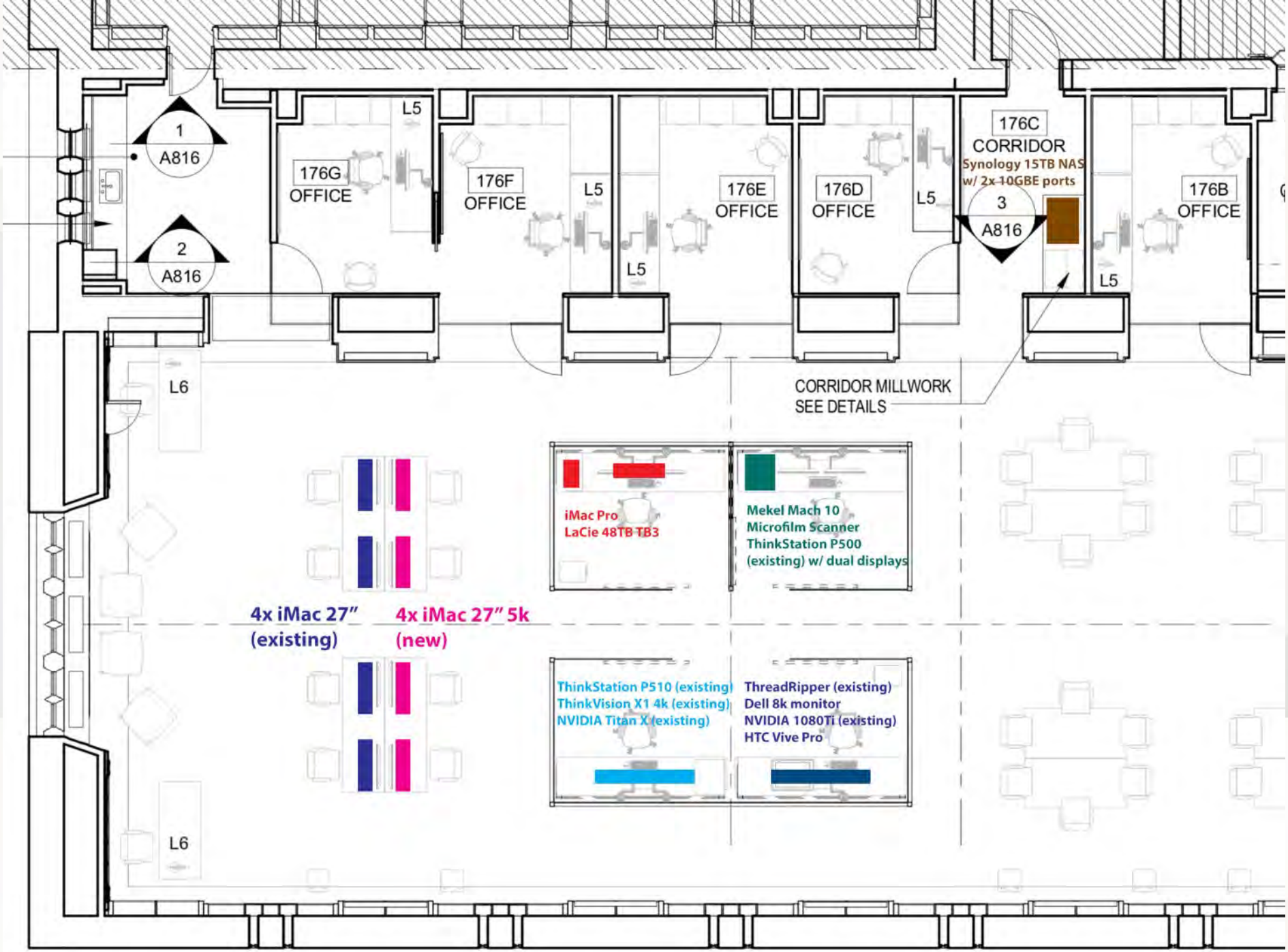
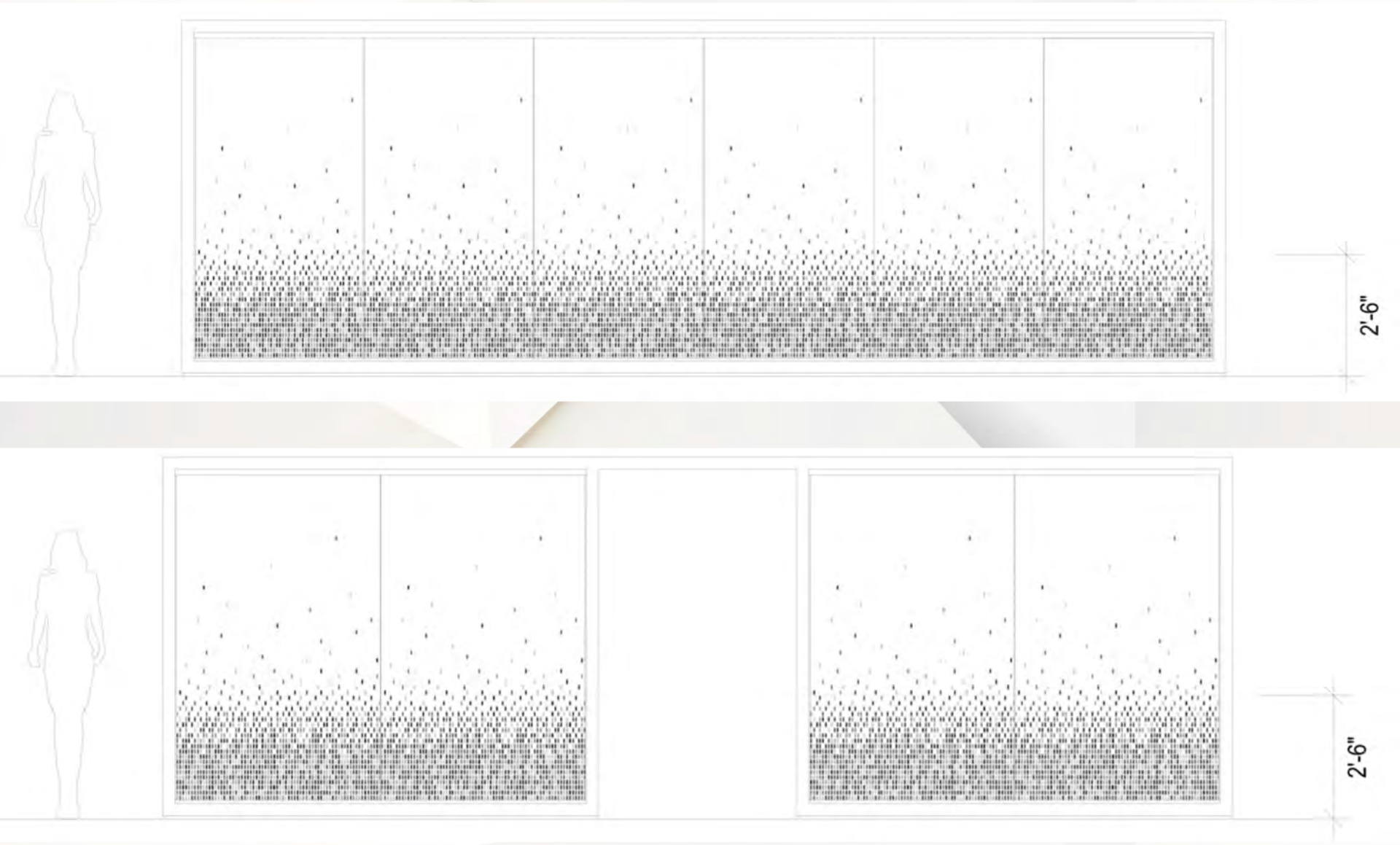

1
A816
2
A816
176G
OFFICE
L5
176F
OFFICE
L5
L5
176E
OFFICE
176D
OFFICE
L5
176C
CORRIDOR
Synology 15TB NAS
w/ 2x-10GBE ports
3
A816
L5
176B
OFFICE
L6
CORRIDOR MILLWORK
SEE DETAILS
iMac Pro
LaCie 48TB TB3
Mekel Mach 10
Microfilm Scanner
ThinkStation P500
(existing) w/ dual displays
4x iMac 27"
(existing)
4x iMac 27" 5k
(new)
ThinkStation P510 (existing)
ThinkVision X1 4k (existing)
NVIDIA Titan X (existing)
ThreadRipper (existing)
Dell 8k monitor
NVIDIA 1080Ti (existing)
HTC Vive Pro
L6

Special Projects Cube

Special Projects Cube



Special Projects Cube – Frit Pattern

Special Projects Cube & Workstations

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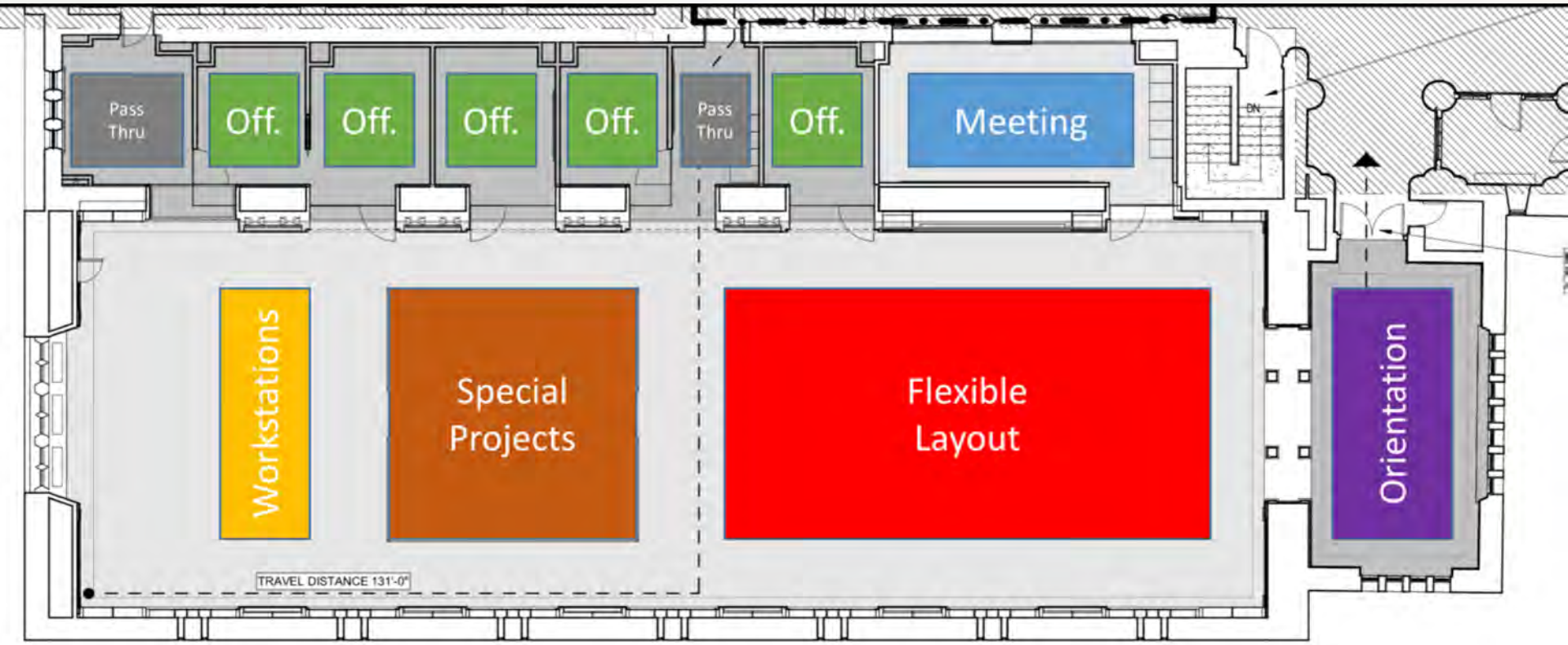
Workstations

Balance Structured & Flexible Space

Or, Building for the Unexpected



One Room, Multiple Zones

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Scales of Interaction: 1

Scales of Interaction: 2

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Scales of Interaction: 2

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Scales of Interaction: 3

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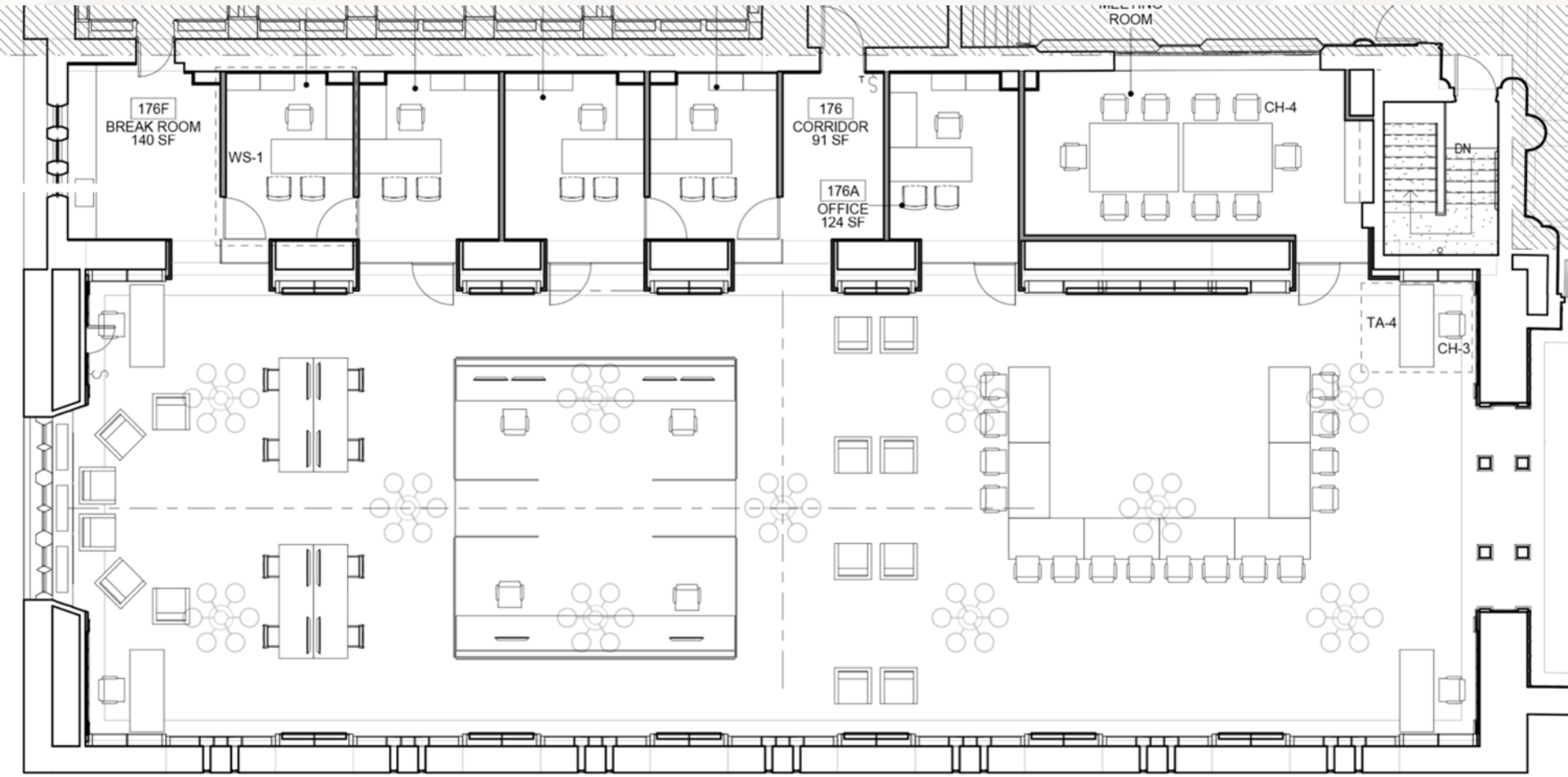

Scales of Interaction: *n*

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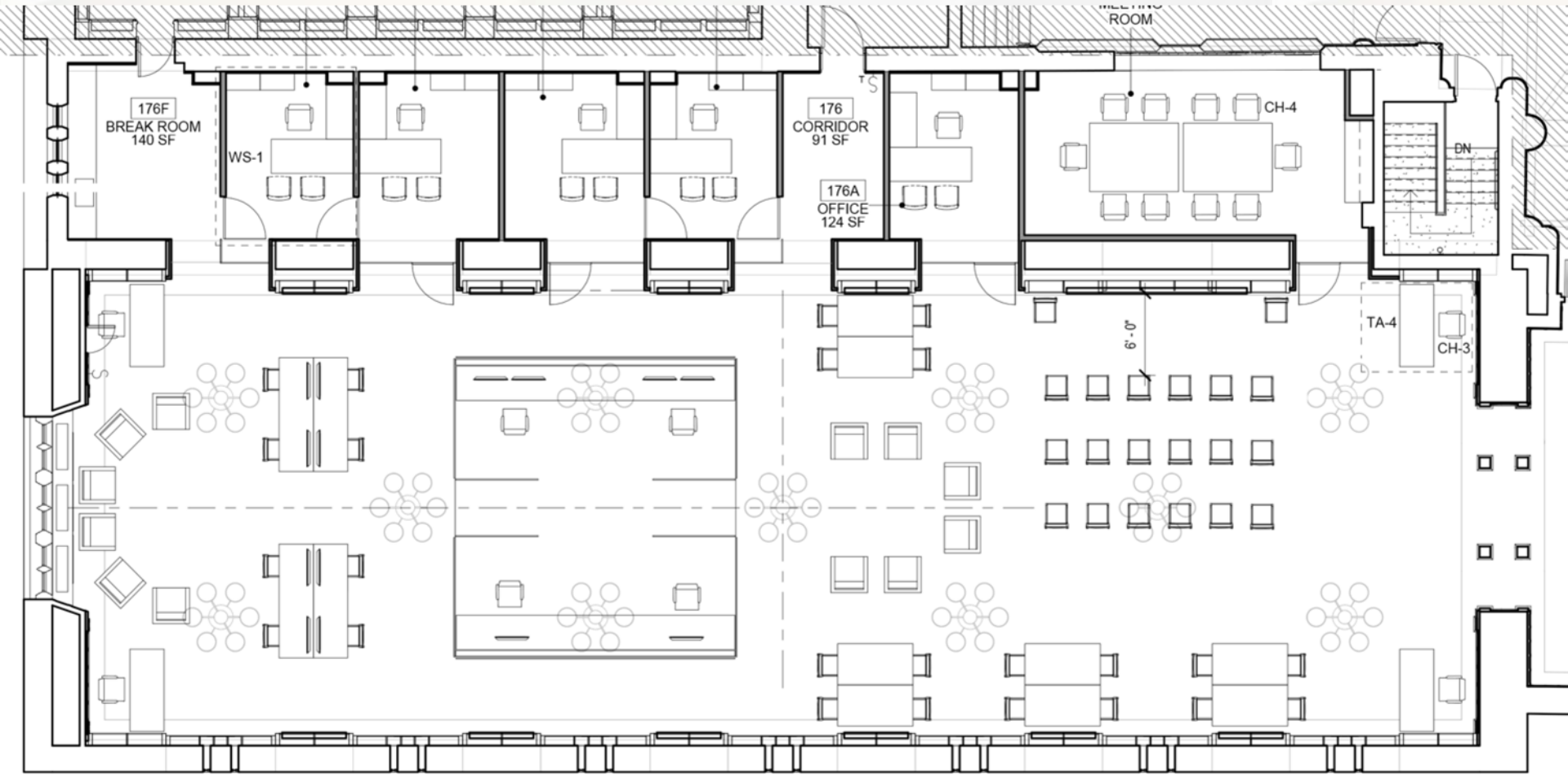

Scales of Interaction: *n*

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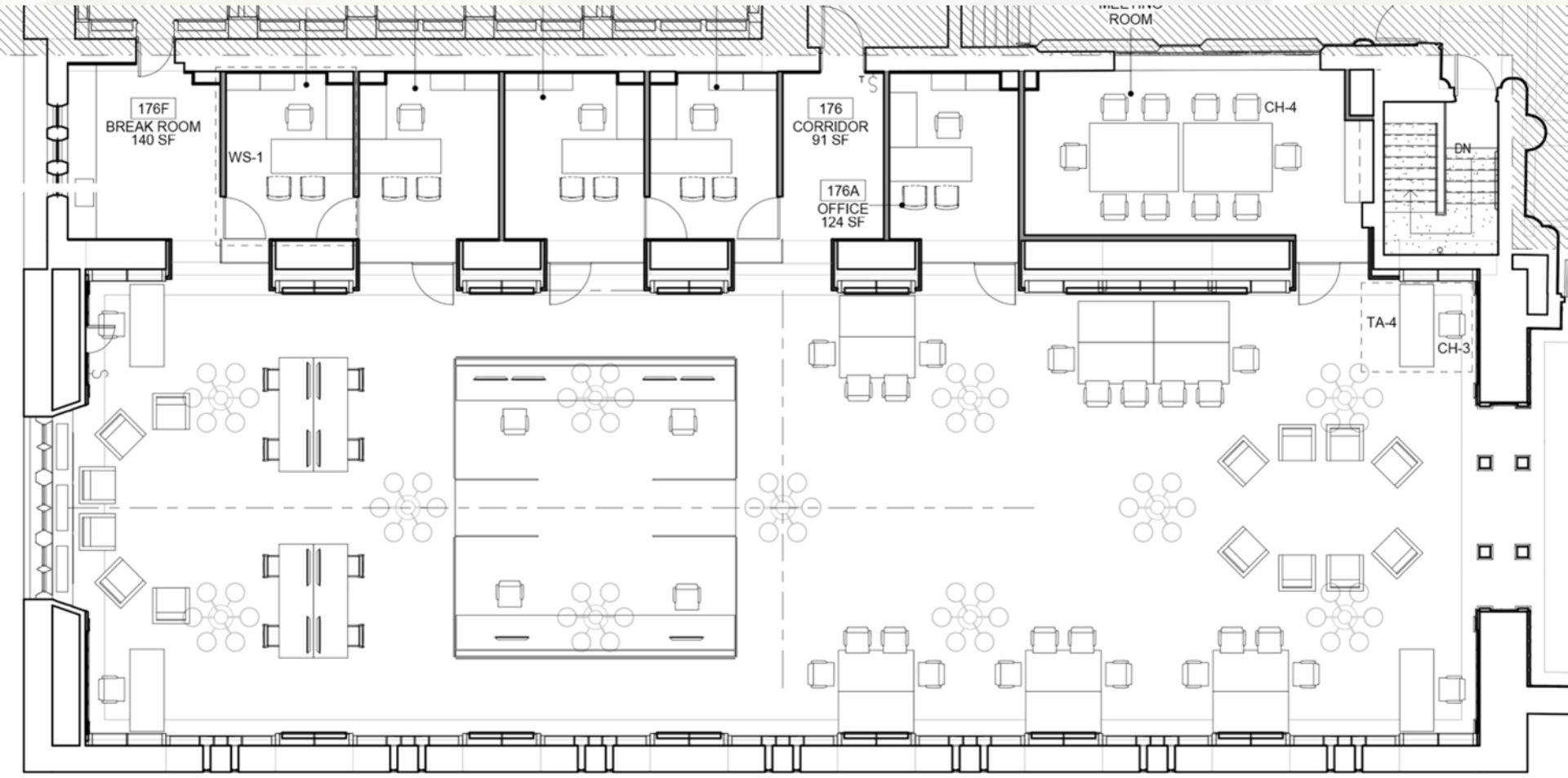

Scales of Interaction: *n*

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Relationships with Campus Programs & Facilities

- Activate Physical Collections
  - Books
  - Microfilm
- Locate DH Support Close By
  - Office Space
  - Meeting Rooms
- Support Non-Resident Team Members
  - Touchdown Desks

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Activating Physical Collections: Research Digitization

1) Scan material 2) Recognize text 3) Discard images

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MEKEL
MACH10
WELCOME TO THE
Special Projects Cube
This specialized workstation is optimized for digital humanities research, and includes software for high-performance computing, text mining, spatial analysis, network analysis, data cleaning and visualization, and more. Please review the Terms of Use when logging in.
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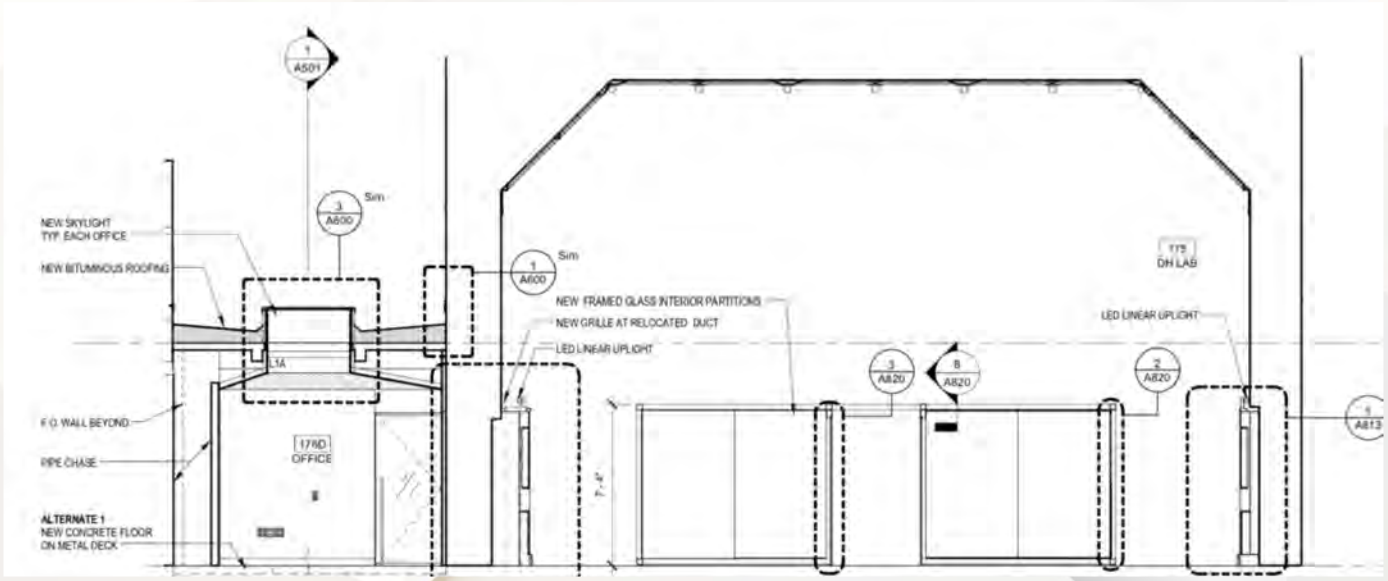
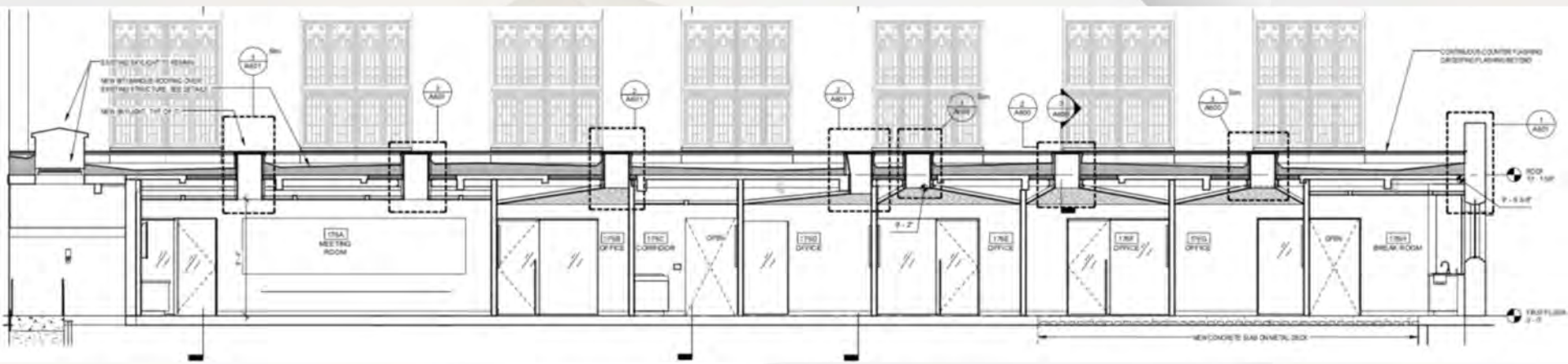
Digital Humanities Laboratory
DELL





Adjoining Office Space (Former Bookstacks)

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Adjoining Office Space (Former Bookstacks)

Adjoining Office Space (Former Bookstacks)

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Adjoining Office Space (Former Bookstacks)

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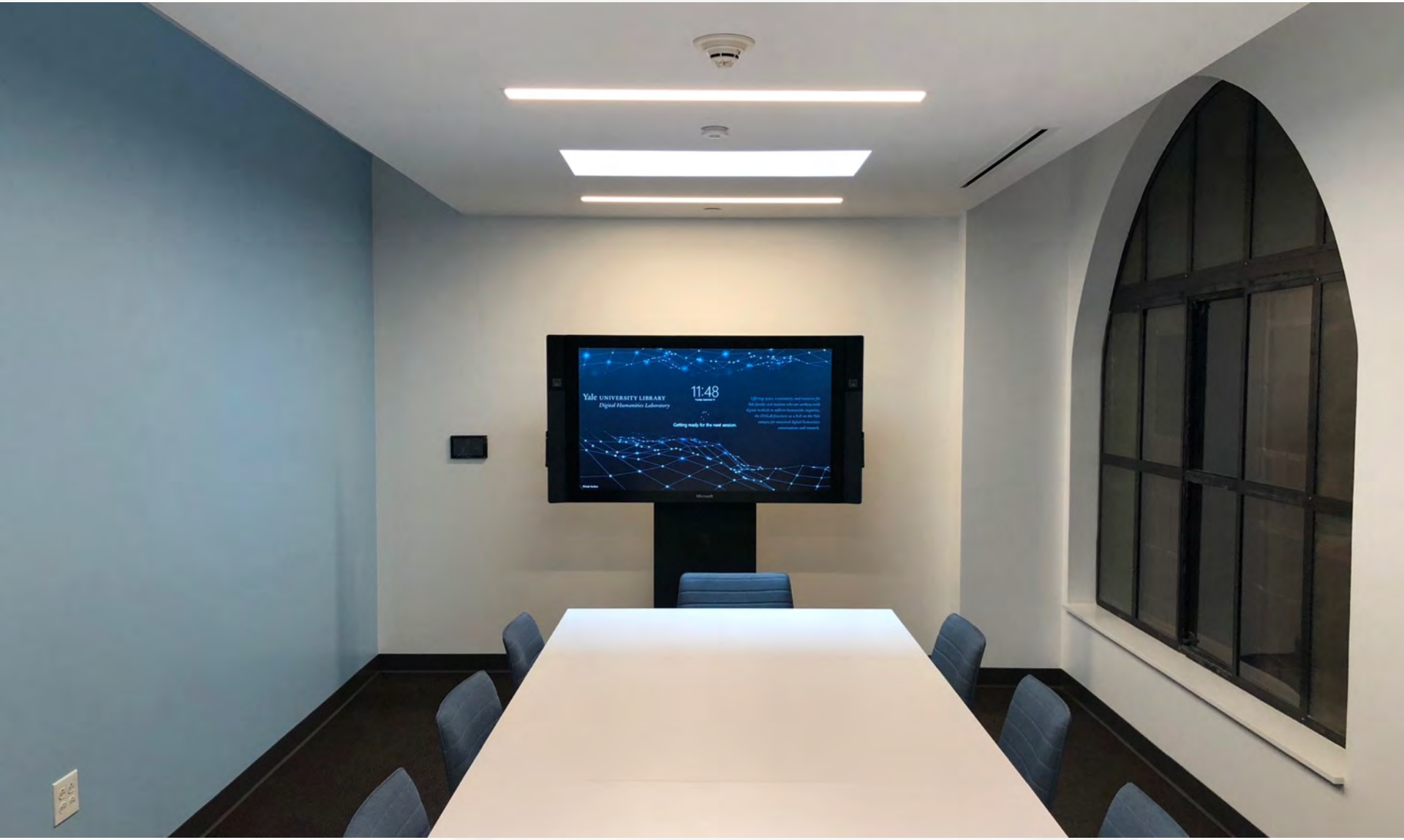

Adjoining Meeting Room (Former Bookstacks)

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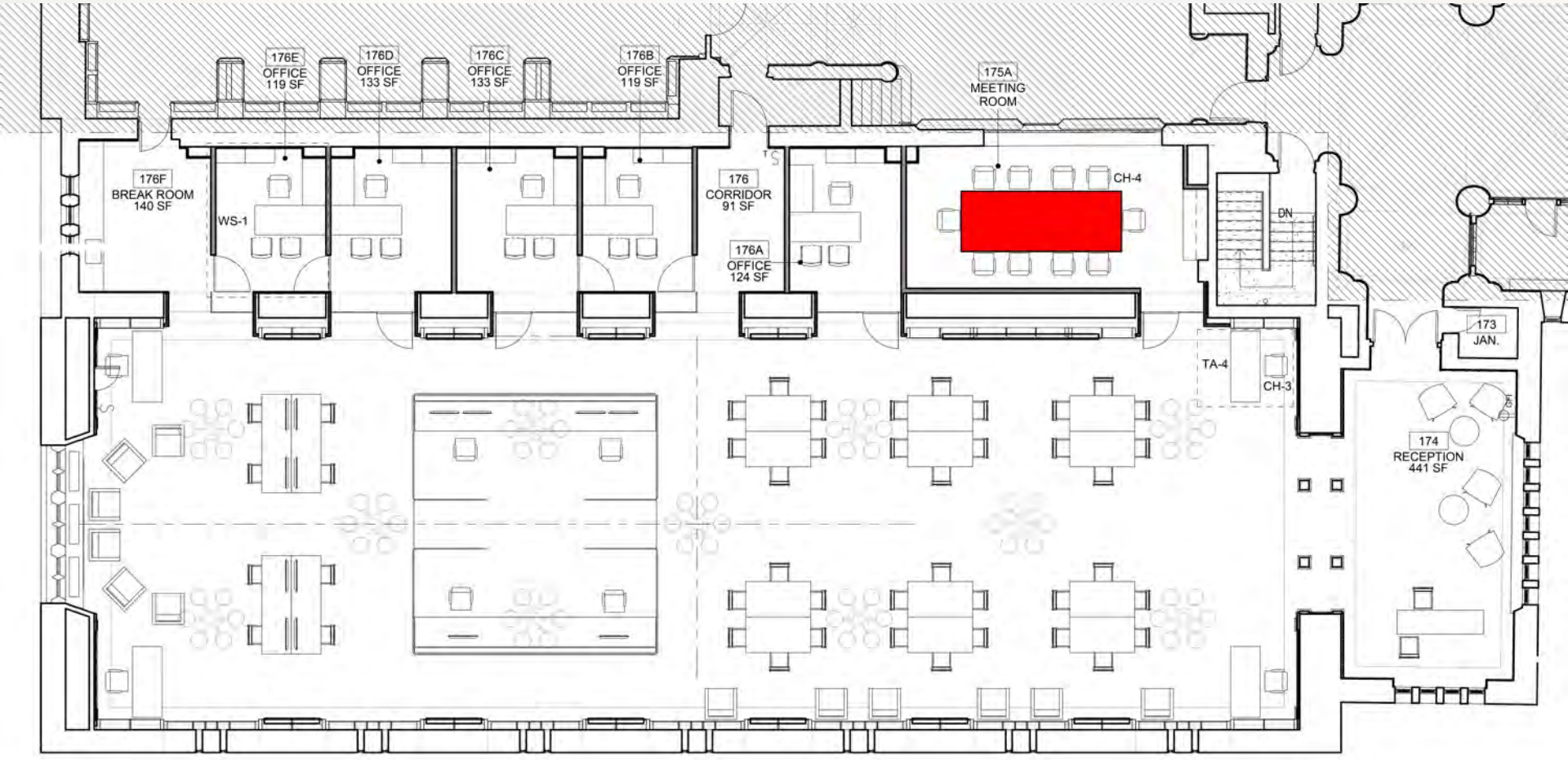

Adjoining Meeting Room (Former Bookstacks)

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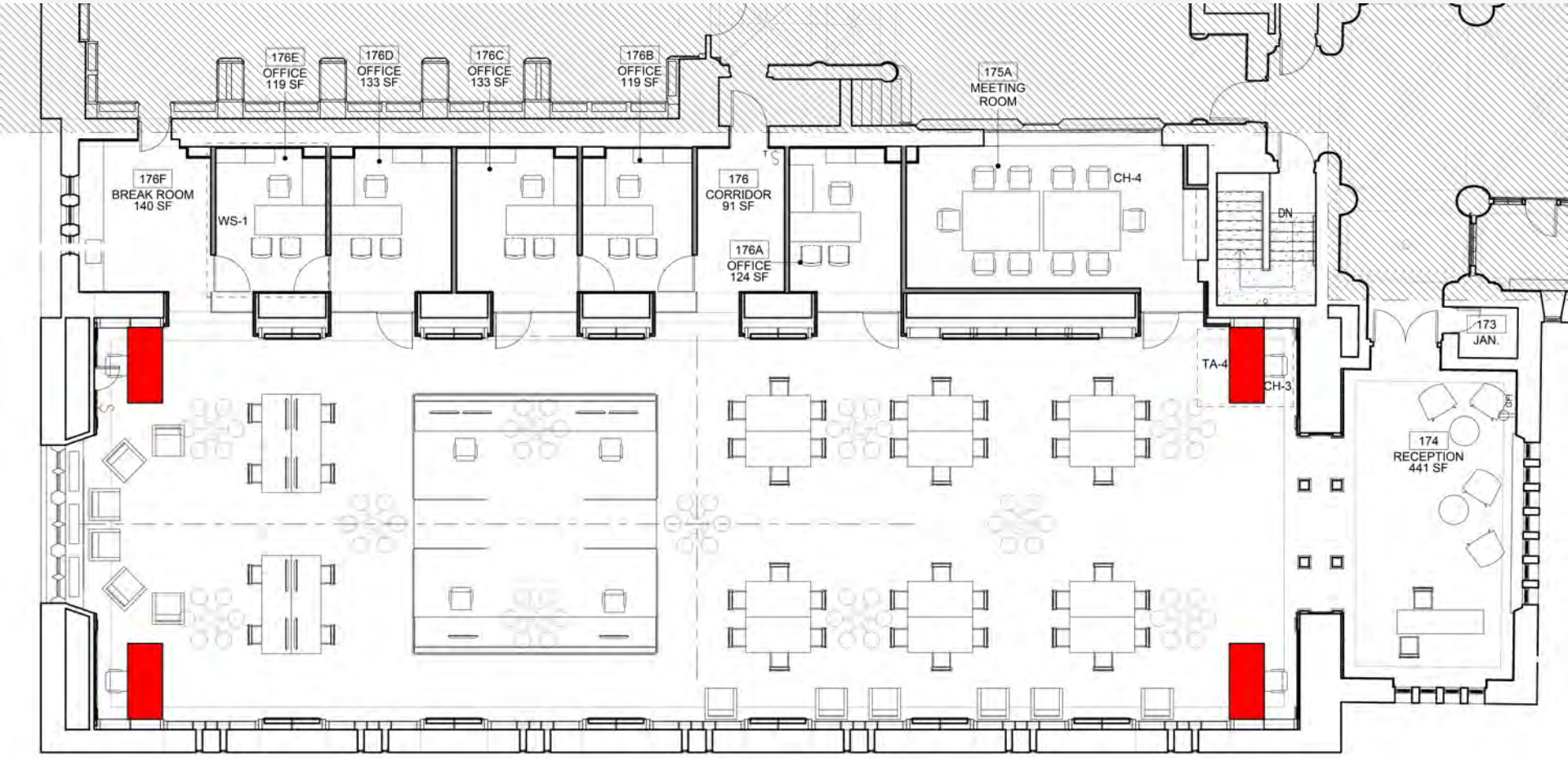
Touchdown Desks

Yale



Touchdown Desks

Goals & Priorities

- Bring Digital Affordances into a Historic Room
  - Materials
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