



View from North West Corner

The overall character of the TLC design is a bold but simple building that is characterized by a rational plan, strategic compact massing and distinguished by four major unique exterior gestures:

1. A two-tiered Great Hall located adjacent to University Way, made expansive by its connection to the exterior through views and made dynamic through a visual relationship to other programme.
2. Windows cut into the north and east façades revealing the Galleria and main stair landing.
3. A cantilevered north overhang along University way.
4. An angled window creating a lifted dynamic gesture to the new plaza.

The building cladding is envisioned as metal to reflect sky and context with areas of solid (concrete or masonry) at the base of the building. The interiors are a limited palette of

regional materials and colours, inspired by the Okanagan context and it is anticipated that meaningful indigenous motifs will be incorporated into the Great Hall.

Site Plan

The UBCO Teaching and Learning Centre (TLC) project fulfills critical student needs on the UBCO campus. Located to the north over an existing parking lot, the TLC is directly affiliated with the Library and will provide informal study space, quiet study, and academic focused digital student and faculty support. Additionally, the building will provide the largest teaching and learning theatre on campus and provide new space to better protect the Library Archives and a new Graduate Student Commons. Beyond its programme, the building will contribute to the overall master planning of the campus and will anchor the north end of the campus, establishing a key intersection between the main campus street, University Way and the pedestrian boulevard — University Walk. Envisioned as the main connector between the residences and the south end of the campus, which is characterized by Wellness activities, the intersection of these two routes through the campus will represent a new heart to the UBCO student experience.

The placement of the building reveals the opportunities for:

- **Exploring strategies for seasonal design,**
- **Making legible the campus organization,**
- **Creating memorable interior spaces**

Beyond the much needed space requirements that the TLC will fulfill, the building will serve a key role in completing UBCO's vision for social sustainability and urban design. The Teaching and Learning Centre will be the south-eastern anchor for the University Way/University Walk Crossroad. This is an exciting opportunity to create an impression and set the tone for the expanding campus.

The TLC's design will balance elegant simplicity with **unique gestures befitting a Landmark building.** As visiting potential students and parents enter its doors, **the building should reflect a snapshot of the vibrant, practical, regional and progressive culture at UBCO.**

Some of the design priorities are:

- Building Profile:** Establish presence off of the new Plaza
- Ground Floor & Landscape:** Promote a street friendly and safe, accessible environment for pedestrians and a porous ground floor inviting the curious to explore the campus and the building
- Façade:** Could a major collective space be located on University Way, activating the façade and allowing in generous amounts of natural light while accounting for glare or heat gain to occupied spaces?
- Interior:** Warm Regional Materiality; inviting, active and clear spatial organization

Additionally the design must reflect these project goals:

- Social Sustainability & Urban Design:** Contribute to a memorable student experience through interior spaces and learning spaces and strengthen the campus while being vibrant, accessible and legible.
- Economic Sustainability:** Optimize planning, incorporate life cycle assessments, coordinate a project that is delivered in a coordinated way and prioritizes the operational effectiveness
- Environmental Sustainability:** Low carbon operations and construction and design for ambitious energy consumption targets

The major components that shape the project are:

- Study and Informal Learning Commons (600 seats)
- Graduate Student Commons; Digital Technology Centre with a Teaching and Visualization Lab and a Digital Media Production and Streaming Room
- Special Collection Reading Room, Archives and Art Collection
- Large, tiered Lecture Theatre (400 seats) with capacity for small group collaboration

The project scope includes the adjacent public space extending to the north sidewalk of University Way from the face of the proposed future academic building.

Landscape Strategy

The landscape for the new Teaching and Learning Centre building and University Way is both an expression of the interior spaces of the TLC building, an extension and integration of the pedestrianized University Way and plaza to the west and of broader landscape within which the UBC Campus is located.

Features of the landscape are:

- Accessible gathering areas to the North edge of the building that are extensions of the interior Great Hall, oriented to views of the mountains with terraced theatre seating, seat walls and movable seating.
- A new and Pedestrianized University Way that maintains current accessibility.
- Gathering areas at the edges of the Pedestrianized University way.
- Integration with Plaza to the west and the overall Campus public realm plan.
- Accessible building entries to the lower level on the east, main level at the north west off the Plaza and south west of the building off University Walk.
- The the west, seat walls for gathering and planting that reinforces the ceremonial nature of University Walk.
- Planting that fulfills the design in structure and texture, reflects the Ponderosa Pine ecozone and is hardy, drought tolerant and easy to maintain.
- Materials that are reflective of the campus and are durable such as hard woods and unit paving.
- Lighting to give life to the building and landscape at night and to provide a sense of safety.

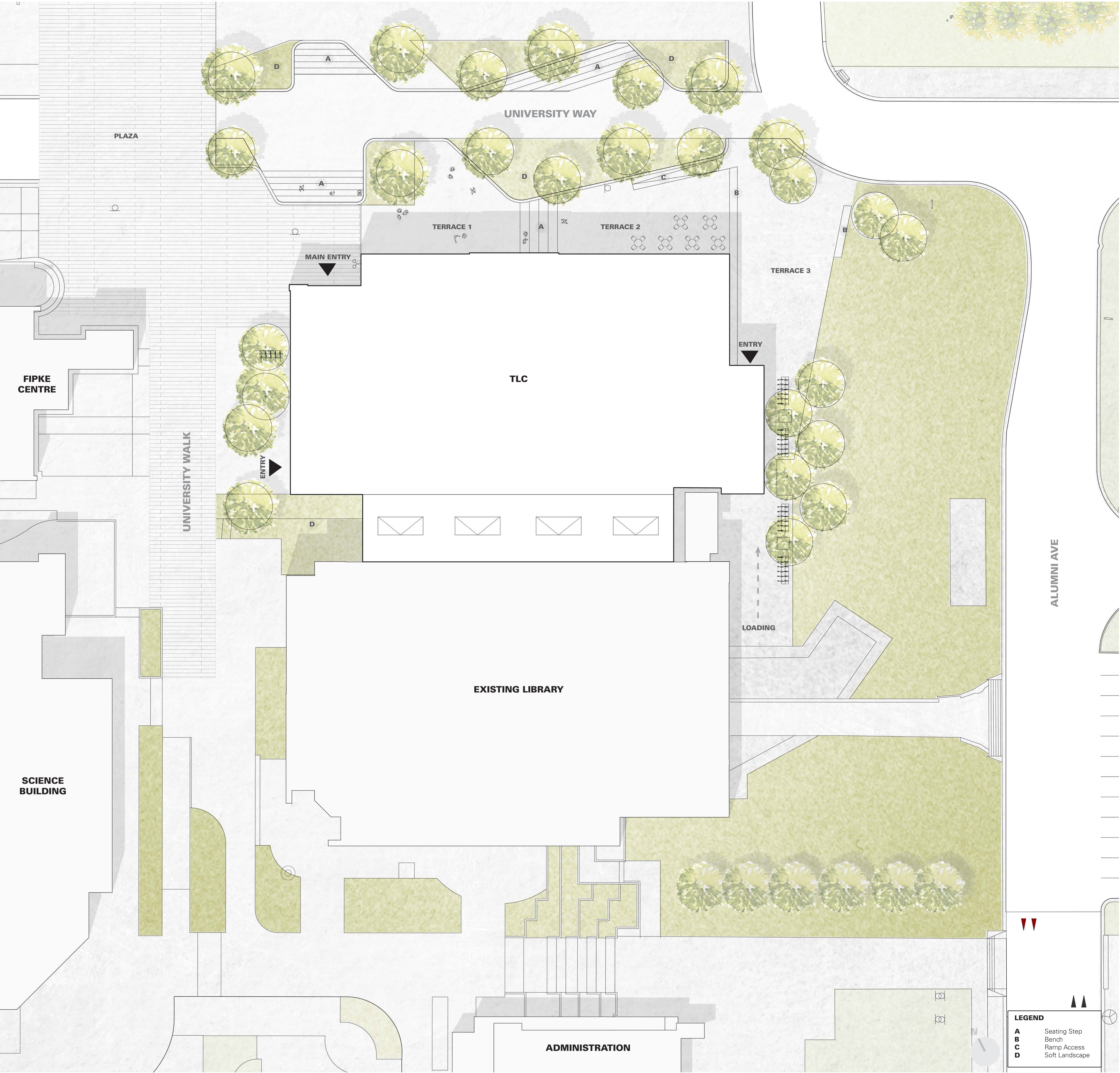




Fig. B

Building Organizational Principles

1. Establish legible Interior Pathways from interior to exterior (Fig. A)

Main Entry A

Located at the intersection of University Way and University Walk with direct cross axial relationship to the Great Hall (main Informal Study lounge) and the Library.

Secondary Entry B

Located at mid block on the East elevation anticipates traffic from the EME building, the Transit Stop and from Alumni Way.

Secondary Entry C

Located between the Library and the TLC anticipates pedestrian traffic from on University Walk and the Campus Court.

2. Seek opportunities for informal gathering spaces to orient and create memorable spaces (Fig. B)

Informal Study Lounge is centrally located and visible, intended to be a "collision space" where different types of activity accessible and showcased. Two tiers or platforms in the Great Hall are Barrier Free one accessed from the ground level at Alumni Way the other from the upper Plaza. There are views and relationship to the level terraces on the exterior. Group Study rooms for 4-10 students overlook the Great Hall. Above the Informal Study Lounge is the Galleria overlooking University Way. A clerestory window allows views to the activities below the Galleria.

Other spaces that encourage awareness of activities and amenities include the Media Lab overlooking the Quiet Study Lounge, the Immersive Theatre adjacent to the main building lobby, the Visualization Lab adjacent to the Lecture Theatre crush space.

The café is located at the main entry allowing for spill out seating under a protected overhang viewing back to the new plaza and University Walk.

3. Create Porous Ground floor accessible 24/7 (Fig. C)

The Lecture Theatre is lifted off of the ground plane to create continuous flow throughout the building and connections to both the lower Alumni Way Level and the Upper University Way Level.

Placing the Theatre on the second level of the TLC creates an opportunity to connect to the classrooms on the third floor of the Library.

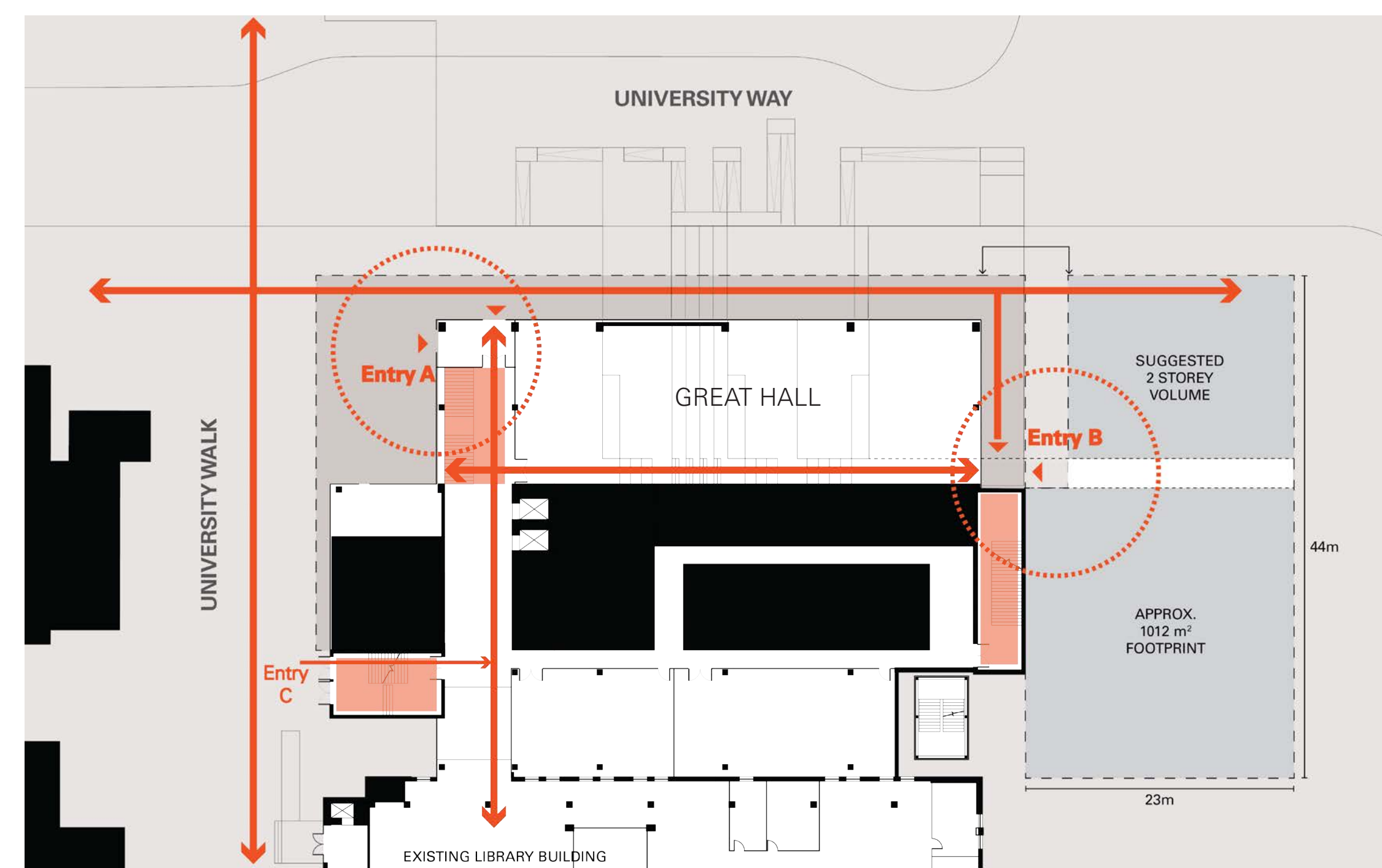


Fig. A

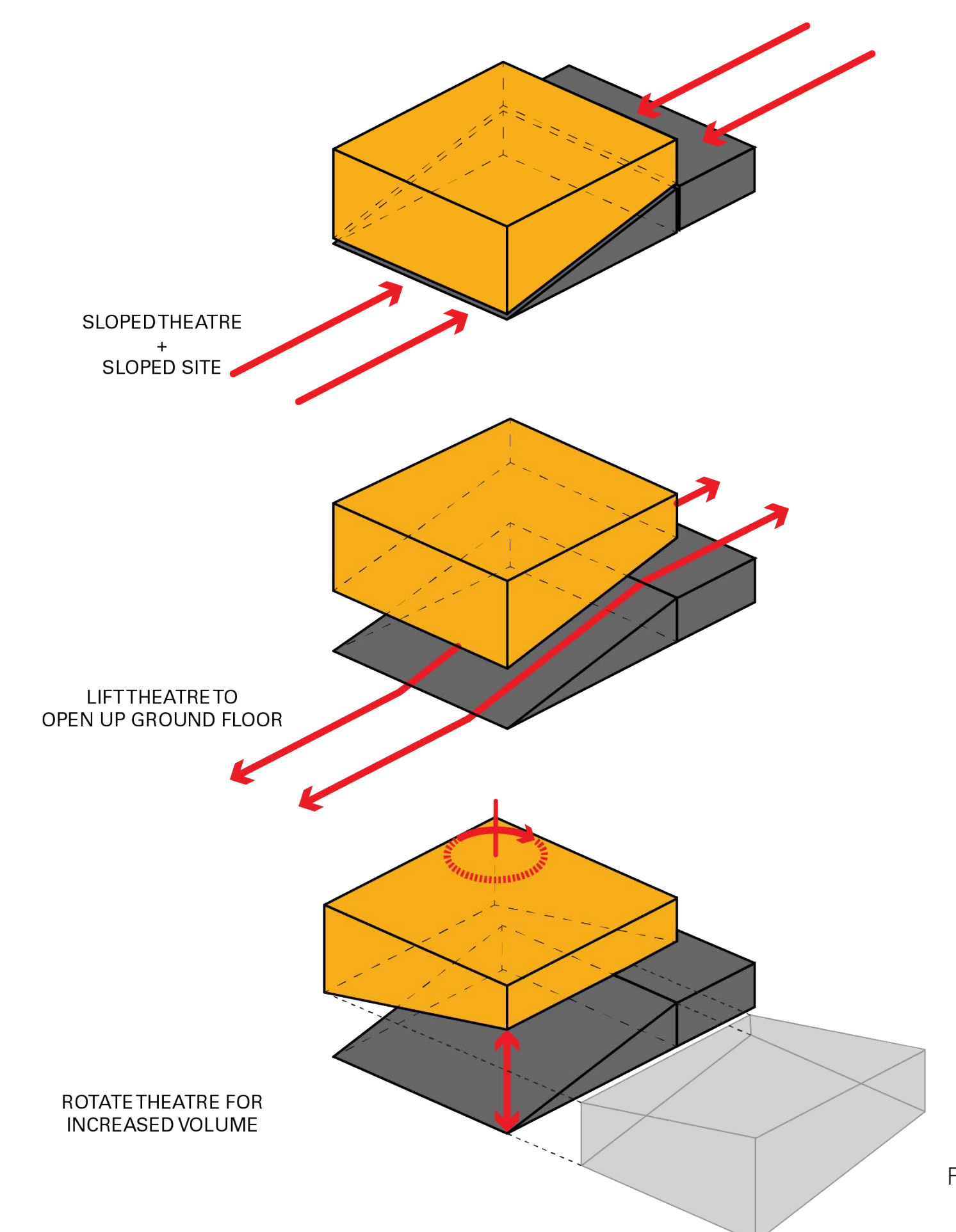


Fig. C

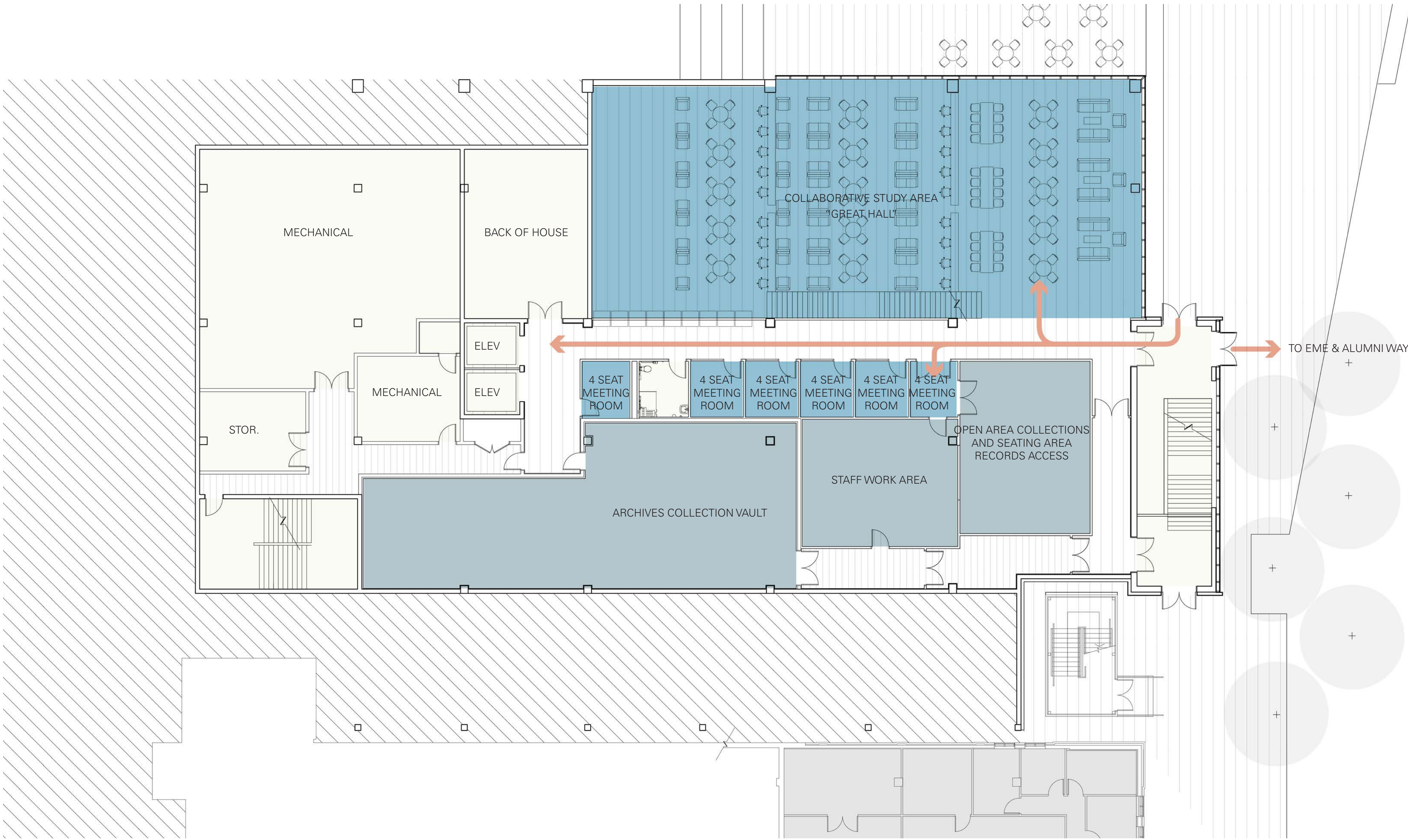
Lower Floor Plan

The TLC entrance from Alumni Way is through the South-East vestibule and stair. This connection gives easy access to the lower level of the Great Hall to those traveling from the transit stop and to and from the EME building.

The largest feature of the lower level is the Great Hall or main Informal Study space with views and connections to the lower terrace along alumni way. This double storey space is overlooked by the upper tier of the Great Hall and the Group Study Rooms on the Ground level making this a dynamic room, with soft north light and views to the landscape.

The lower level is the new location of the Library Archives. The Archives will be distinguished by appropriate mechanical systems to protect and celebrate the collection and students, faculty and researchers will be given access to the area that will be staffed and supervised.

The lower level also houses additional meeting rooms, vending machines and is the location of the major building mechanical systems, loading and services.



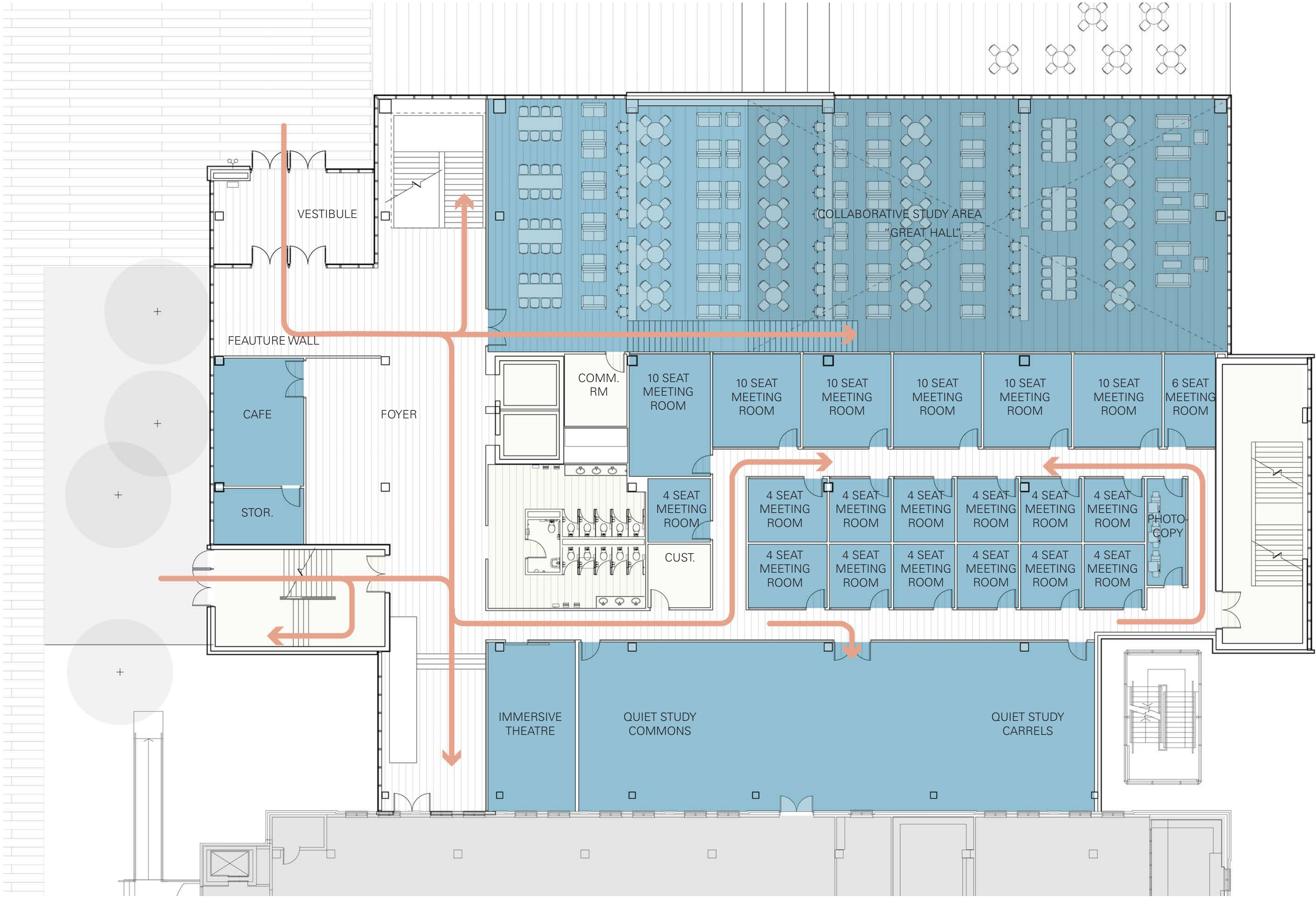
Ground Floor Plan

The main floor is accessed from North West intersection of University Walk and University Way as well as from the South West closer to the Library.

Amenities on the Ground floor include the café, a variety of Group Study rooms for 4-10 students, a photocopy room, the immersive theatre and the Quiet Study Commons. The main feature of the ground floor is the Great Hall or main Informal Study space located on the north of the building and characterized by two tiers, one overlooking the other.

Throughout the building, on every level, are washrooms that are gender neutral, each with individual stalls. Additionally there are universal washrooms elevators and ramps to enable access to all areas of the floor.

There is a direct connection to the existing library located at the South-West end of the building in axis with the main circulation of the building that is characterized by a generous convenience stair that connects the ground and second floors.



LEGEND

- Study & Informal Learning
- Graduate Student Commons
- Digital Technology Centre
- Special Collections
- Classrooms
- Support
- Existing Library

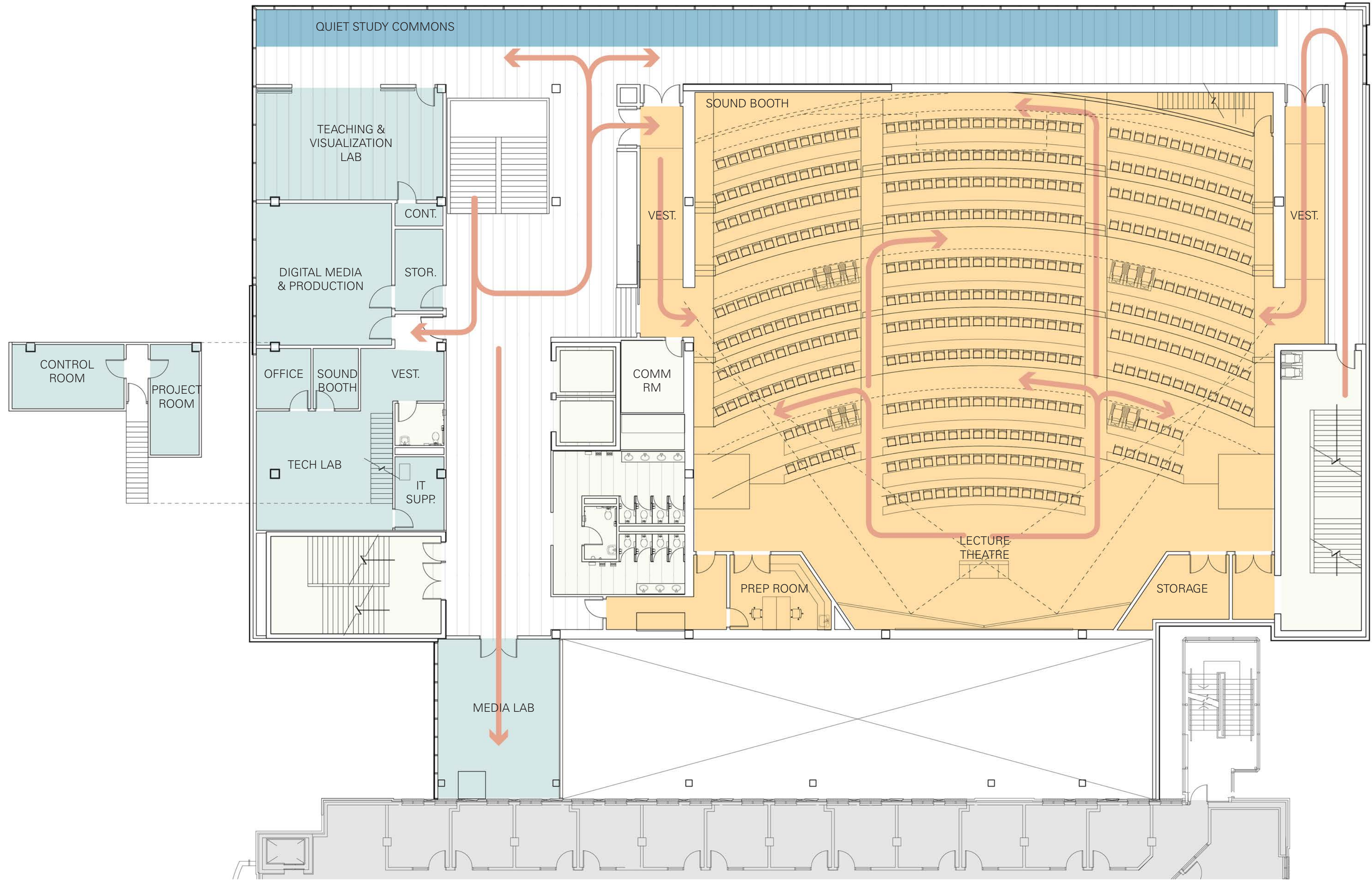


Second Floor Plan

The Second level of the TLC houses the Teaching and Learning Theatre. Additionally the Digital Media Lab is located on the second level.

The Theatre is designed to support collective learning and collaboration. Designed with two rows per tier with the rear row of each tier designed with a larger writing surface, it is intended that students can turn around and work in groups of 6-8. The space is also distinguished by several aisles and cross aisles allowing instructors to move with ease to the groups. The theatre has several options for barrier free access to the front, mid and rear sections of the room. Other features of the theatre include a preparation room for demonstrations, writable surfaces at the side walls to encourage active problem solving, a rear projection room and three entry points – 2 on the west side of the room and 1 from the east. While the primary function of the space is intended for collaborative learning, as the largest theatre on the campus, it is anticipated that it would also be used for special presentations, lectures and performances.

The Digital Media Lab is a staffed area intended to support video recording and production for staff, students and faculty. This space is purposefully designed to be adjacent to the Theatre to facilitate any broadcasting and is within easy access off of the main convenience stair. Adjacent to the Digital Media Lab is the Teaching and Visualization lab meant as a bookable space, technology enabled and supported by staff, this space is imagined as a space that could spill open and made public.

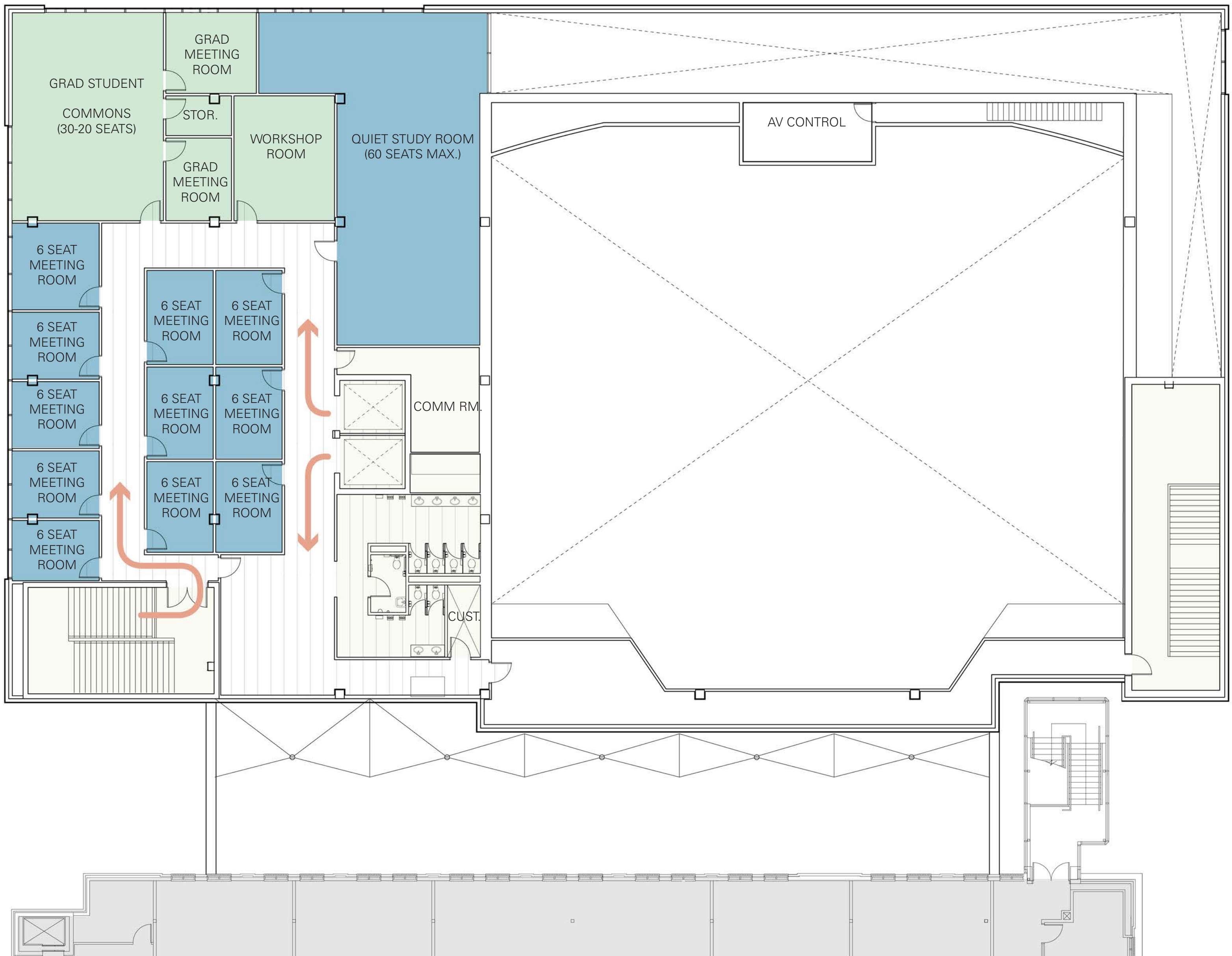


Third Floor Plan

The Third floor is intended to me the quietest floor of the TLC.

Additional bookable Group Study rooms are located on the third floor along with a group quiet study room.

The Third floor is also the location of the Graduate Student Commons. Intended as an academic space where graduate students can meet, share research and convene in a distinct space. Both the group Quiet Study Room and Graduate Student Common have north facing light and views to the landscape with the Graduate Commons also has west exposure views back to the campus.



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- Graduate Student Commons
- Digital Technology Centre
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Archive

- Secure Environment with appropriate humidity for the special collections
- Staff in a separate space with visual connection to the public zone of the collection
- Vault space for the collection and storage of both print material and art
- Archive accessed from the Great Hall and ease of access to Loading



Teaching & Learning Theatre

- Collaborative learning centre distinguished by 2 rows per tier
- Larger table surfaces in the rear row to facilitate groups
- 4 aisles and 3 cross aisles to facilitate easy instructor access to the entire room
- Multiple screen projection
- Choice for Barrier Free accessibility



Visualization Lab

- Flexible/Bookable Space Supported by Technology Staff
- Intended for researchers and students to access technology to work with high-definition data visualization on simulation activities
- Training, experimentation and instruction of technology enabled digital/human interaction



Group Study Rooms

- Large expanses of glass for visibility, natural light and writable surfaces
- Projection surface and/or screens for digital display
- Sound isolation
- Variety of sizes



Immersive Theatre

- Interactive learning and display resource
- Bookable for such activities as thesis defence in a high-definition digital environment
- Content programmable with options for UBCO greater community to submit content



Quiet Study Commons

- Collective quiet study space
- Enclosed Sky lit space adjacent to Library
- Double storey volume acoustically controlled
- Variety of furniture primarily intended for individual study



View from North East Corner



UNIVERSITY OF BRITISH COLUMBIA OKANAGAN
TEACHING AND LEARNING CENTRE

JANUARY 11, 2017

MQN ARCHITECTS + MORIYAMA & TESHIMA ARCHITECTS



View into the Great Hall



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