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Louisiana Tech University School of Music

ARCH510-530

Coordinated by Damon Caldwell and Thomas Provost

A new School of Music at Louisiana Tech will provide a larger facility for the current Music Program to grow, learn, and practice in updated spaces as well as host events and recitals in new performance halls. The facility hopes to become a unified program with cutting edge technology, capable of growing with its students and preparing them for the future.

The School of Music is characterized by a series of long forms that slide and cantilever over the Tech Green Way. Its exterior is clad in a red, rust colored rain screen with sharp, angular windows that punch through the facade. In the evenings, windows that may be hidden by translucent panels during the day are activated from within. The building's most prominent feature is formed by a large cantilever that lifts the above ground floors and is supported by a large, slanted column. This column becomes the focal point as it creates a celebrated passageway to and from the "Heart of Campus."

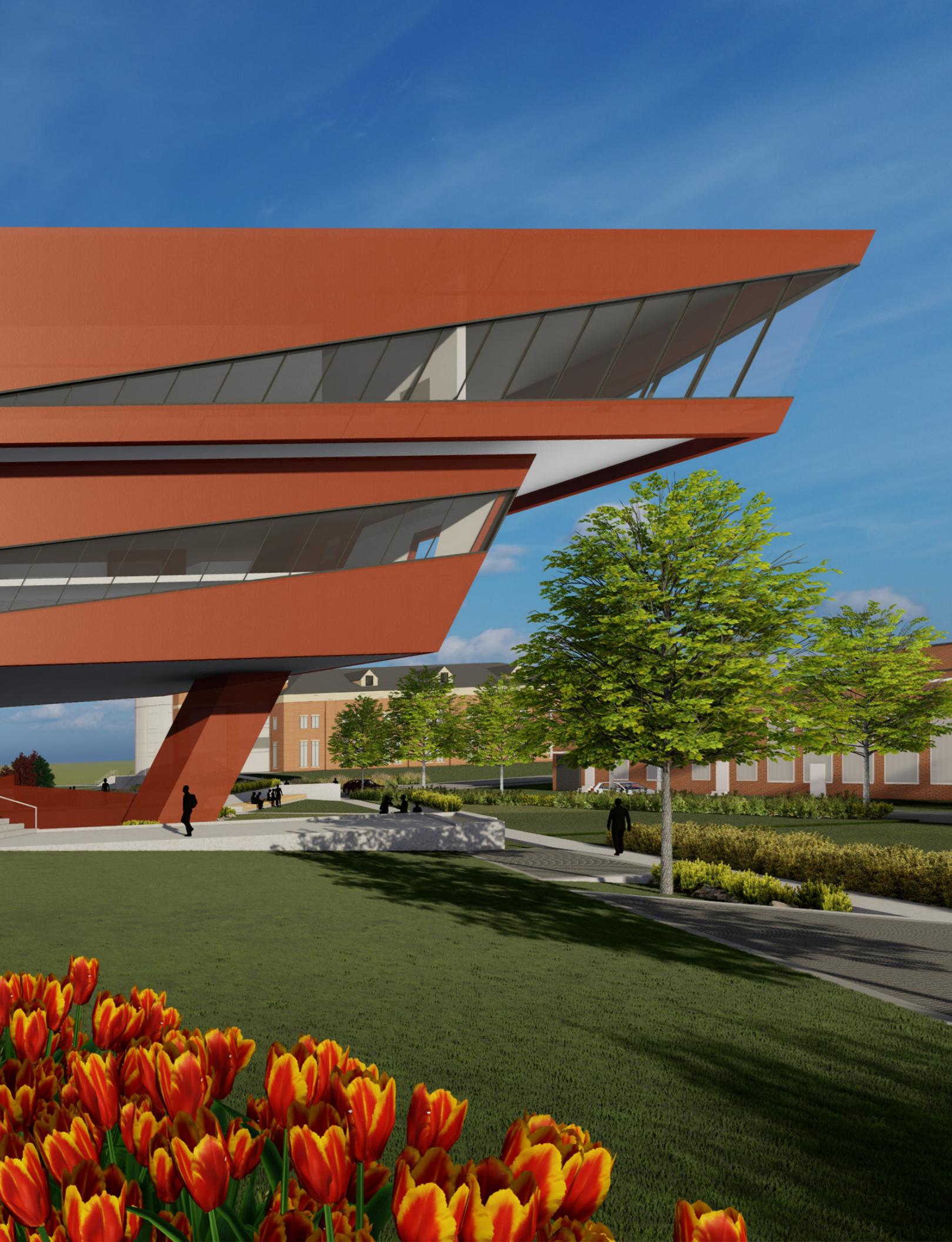
Performance halls are found on the first floor where they are the most accessible, while classrooms, practice areas, and faculty facilities are located on the upper floors. The main circulation path through the building acts as an axis that separates three different structural systems: structural concrete, composite steel, and a specialized box column and truss system.

The surrounding landscape is an extension between the Centennial Plaza and the southern edge of campus, encouraging overflow from popular events and providing more green space in contrast to the existing hardscape. Its shape is derived from and reinforces contextual and circulation patterns at the site.

The building's striking form and site placement intentionally disrupts pre-existing conditions to create new spaces and experiences for the university's School of Music and student life.

01. Tech Green Way

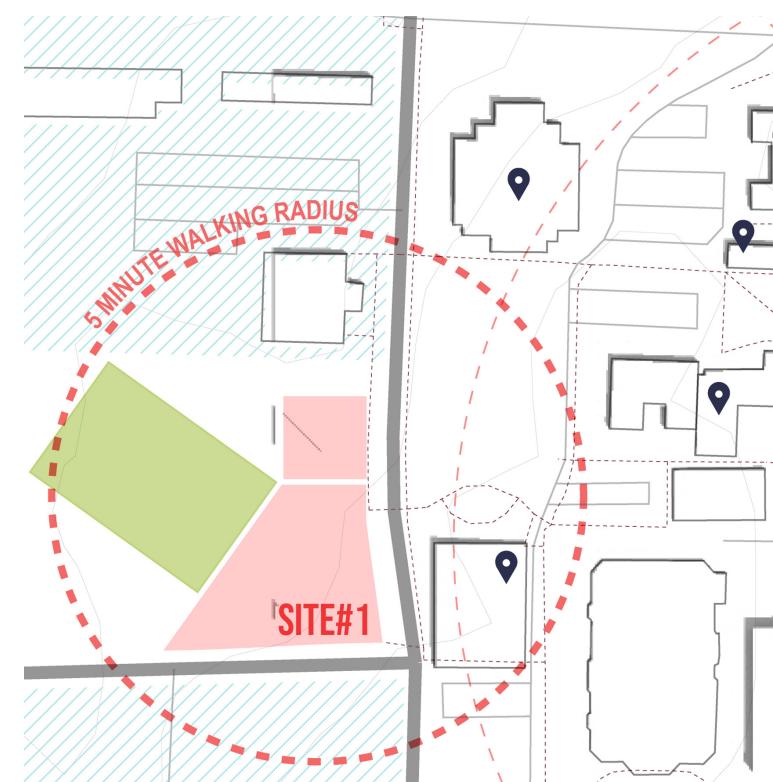
A render depicting Centennial Plaza's physical and visual connection to university buildings on the southern edge of campus; the Biomedical Engineering Building and Tolliver Hall.





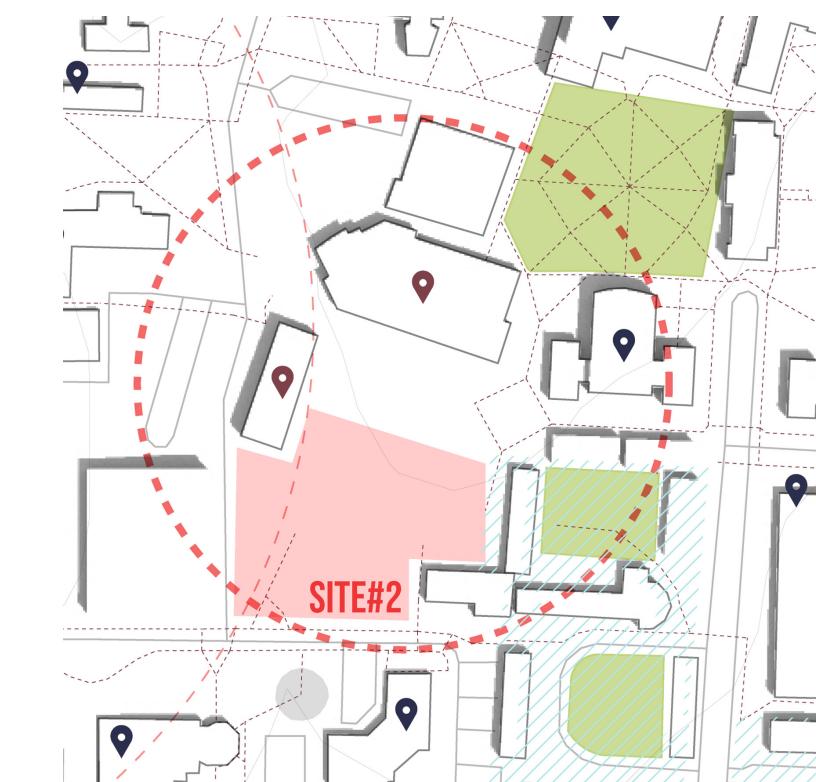
02 _ Activated Spaces

The base map showing both Site 1 and 2 are shown with its proximity to existing campus program, including residential, educational, and recreational spaces. Site 1 is within 5 minutes of Mitchell Dorms, Intramural Fields, and the F.J. Visual Arts Center on campus, while Site 2 is within 5 minutes of Tolliver Hall, the Student Center, Centennial Plaza, Aswell Dorms and Suites, as well as a few educational buildings.



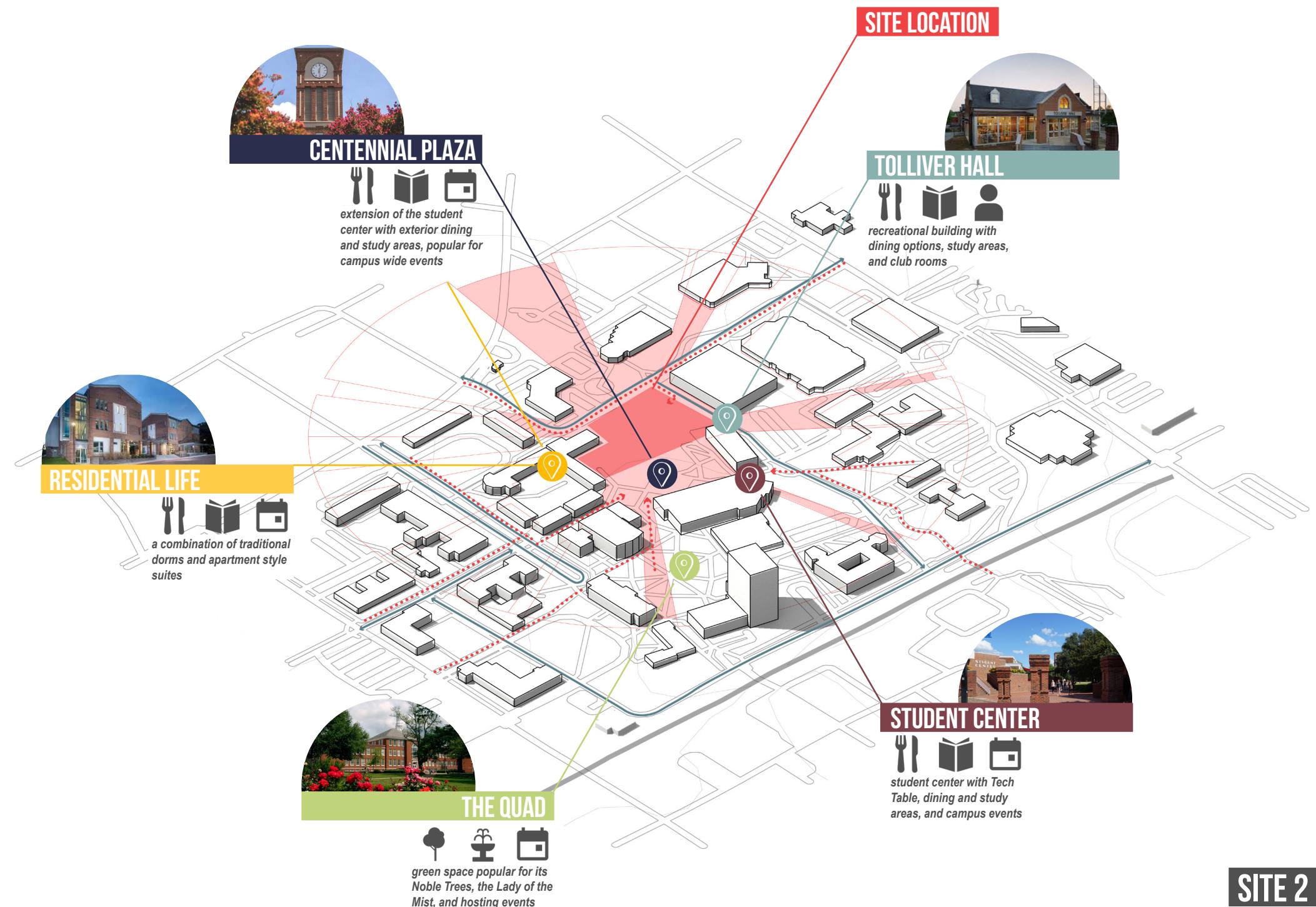
02.1 _ Program + Proximity, Site #1

Site 1 is located at the corner of Tech Drive and West Barnett Springs. The potential combination of an intramural field and a built music facility at this edge condition would produce low to medium energy at the site, and it is separated from the main campus by a high traffic, arterial road - Tech Drive. This isolates the site from campus engagement.



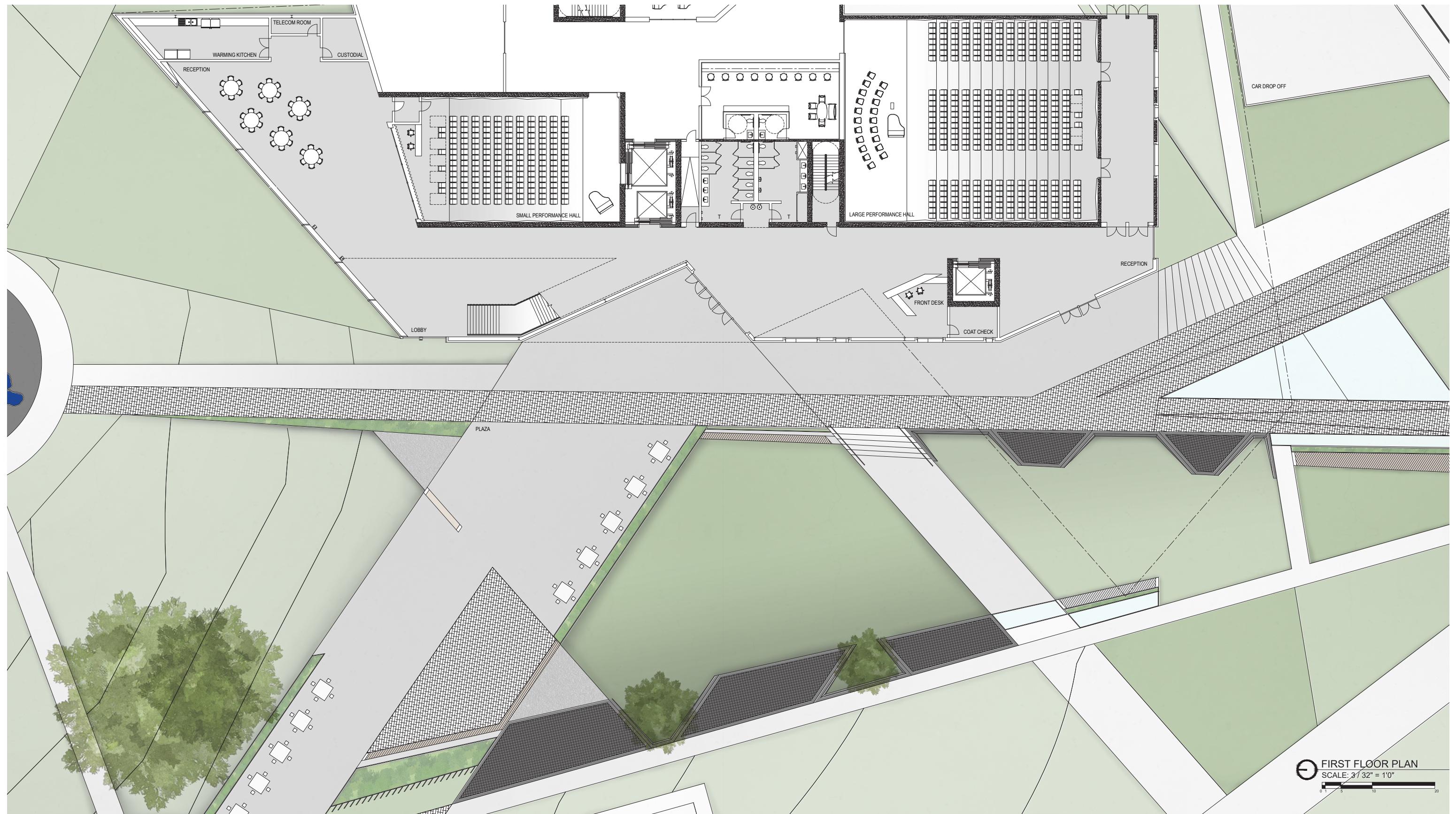
02.2 _ Program + Proximity, Site #2

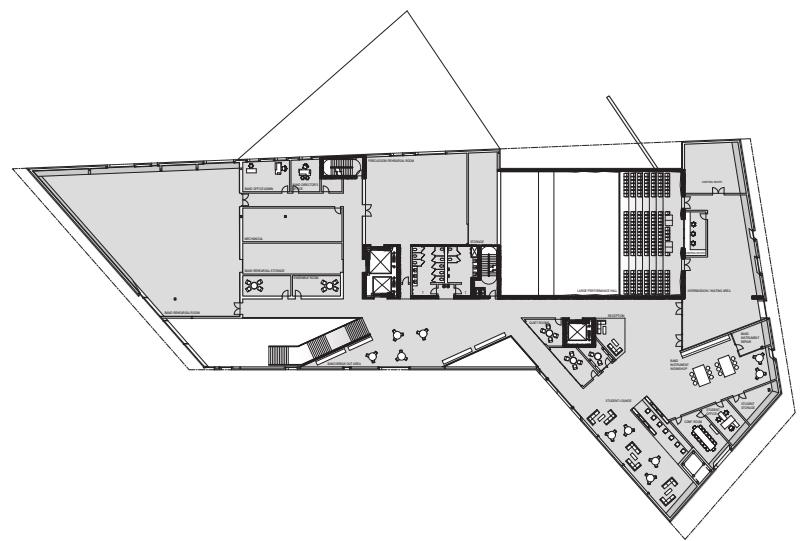
Site 2 is located at the intersection of Wisteria Street and Hergot Avenue. The potential combination of recreational, residential, and educational facilities at the 'Heart of Campus' would consistently produce medium to high energy at the site. The School of Music will experience higher levels of connection and engagement with student and faculty.



02.3 _ In Depth Site Analysis, Site #2

The "Heart of Campus" is an activated space involving several different types of program that range from residential life to campus wide events.

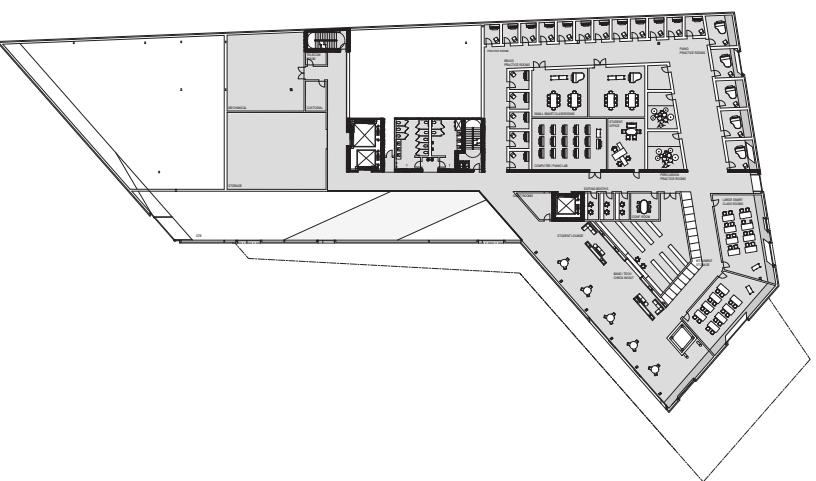




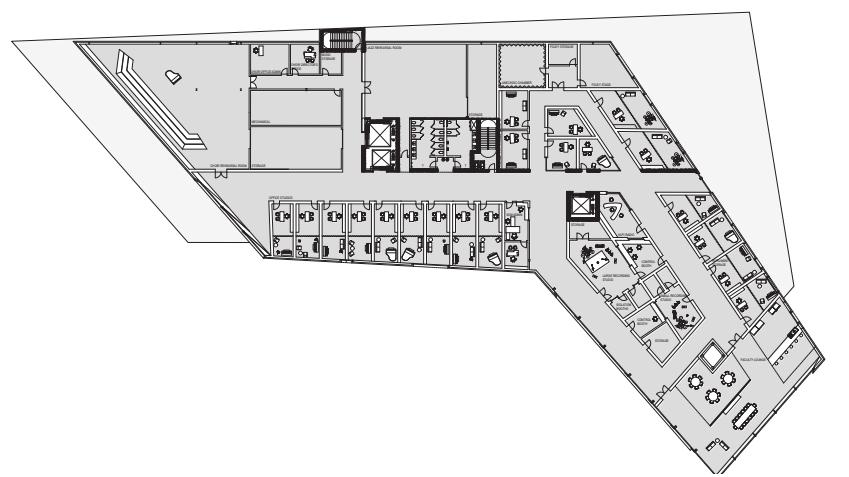
03.1 _ Second Floor Plan

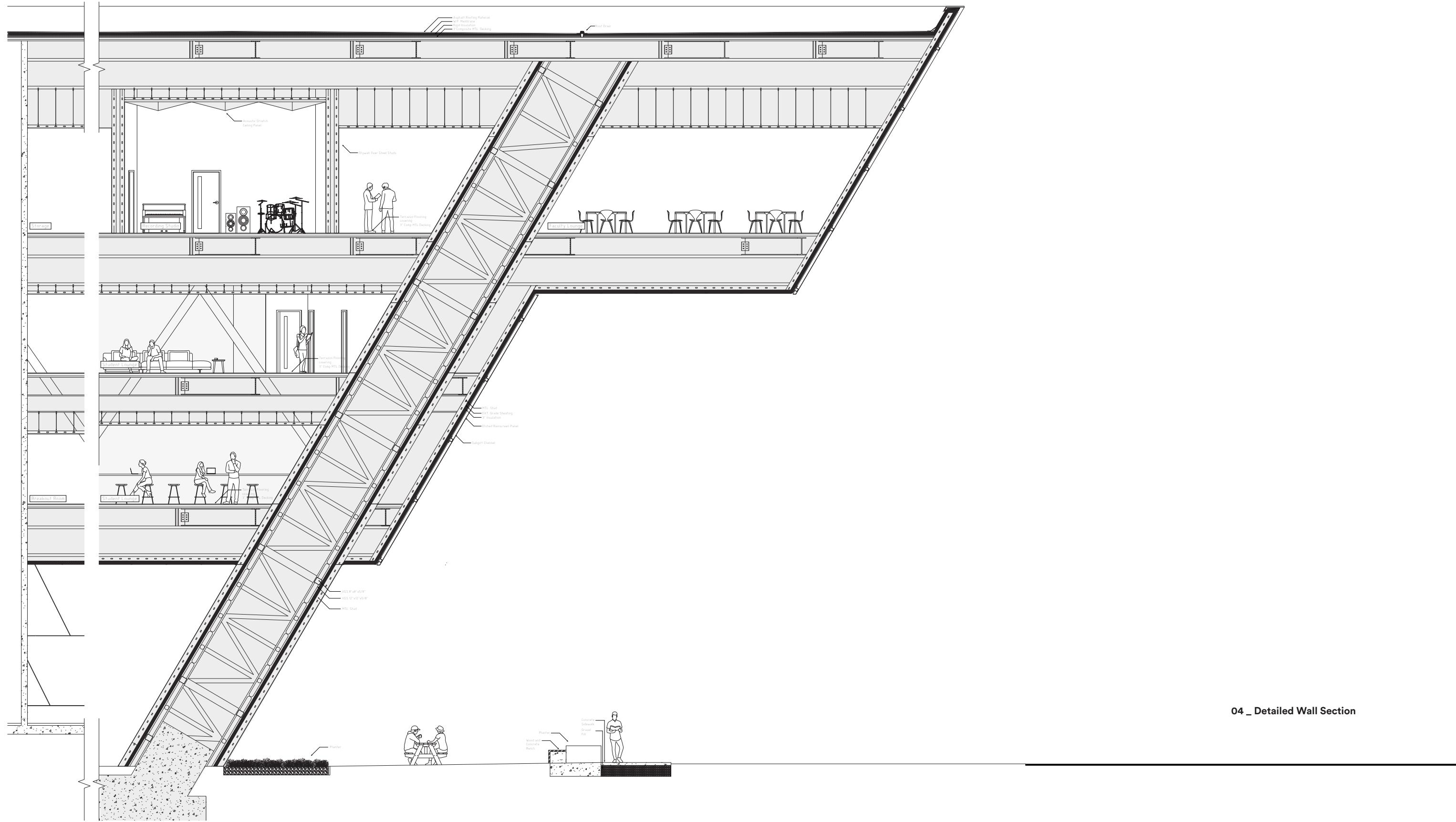
Design investigations continue as the plans evolve to accommodate more informed decisions and information concerning program, construction methods, and drawing details.

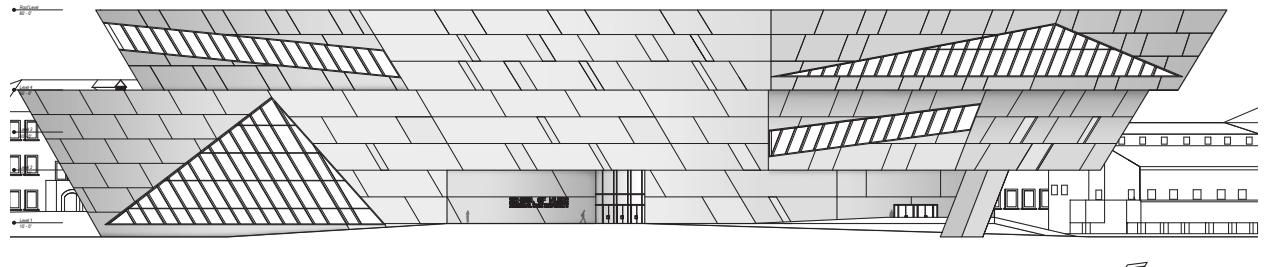
03.2 _ Third Floor Plan



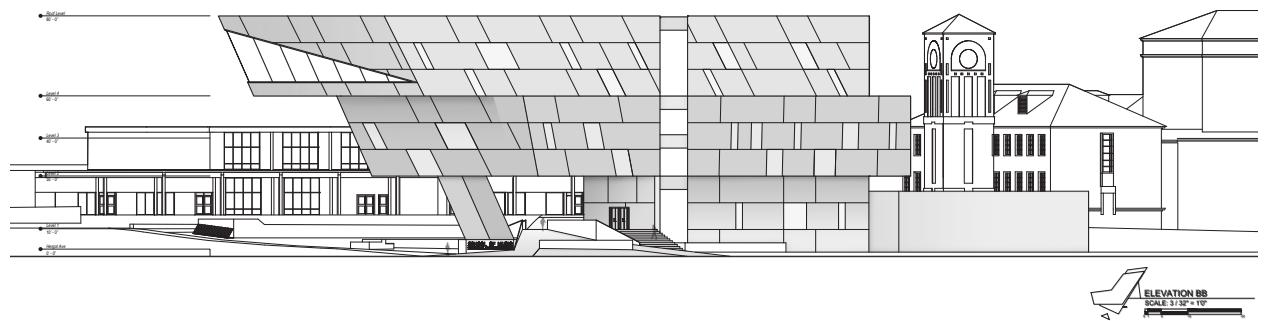
03.3 _ Fourth Floor Plan



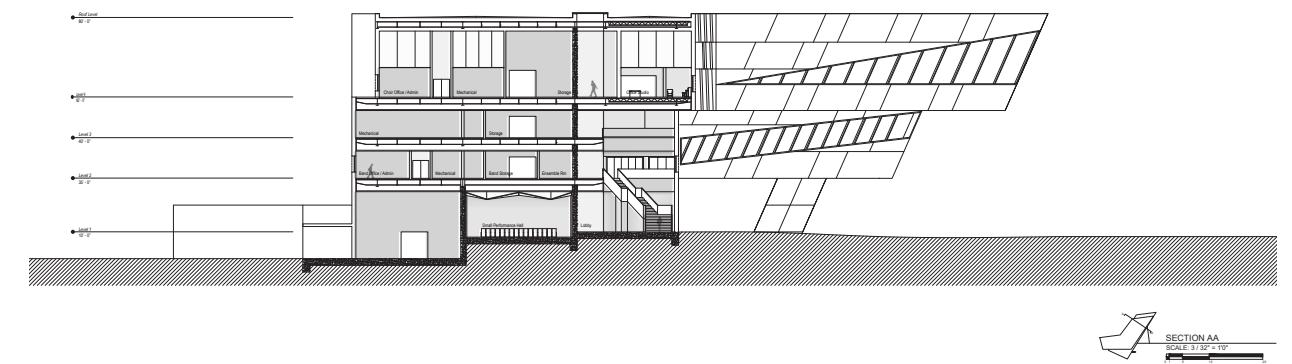




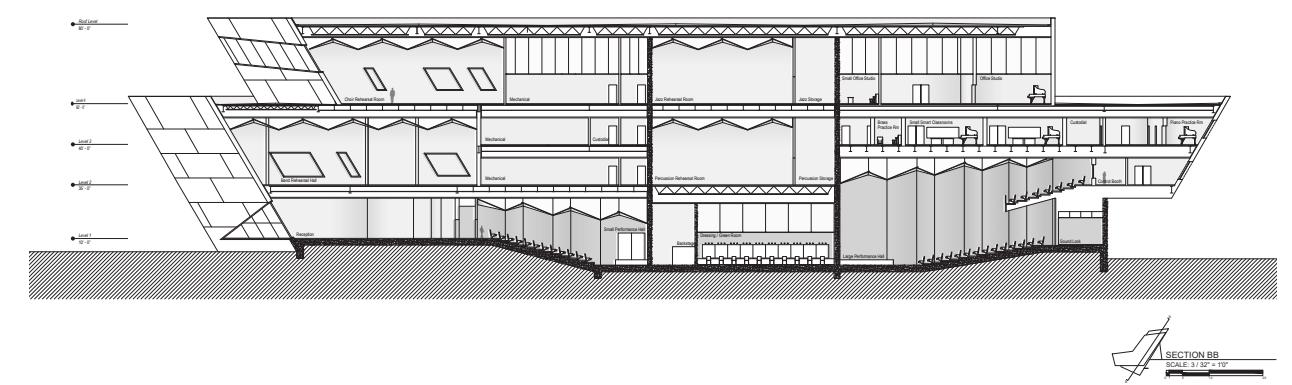
ELEVATION AA
SCALE: 1/16" = 10'



ELEVATION BB
SCALE: 1/16" = 10'



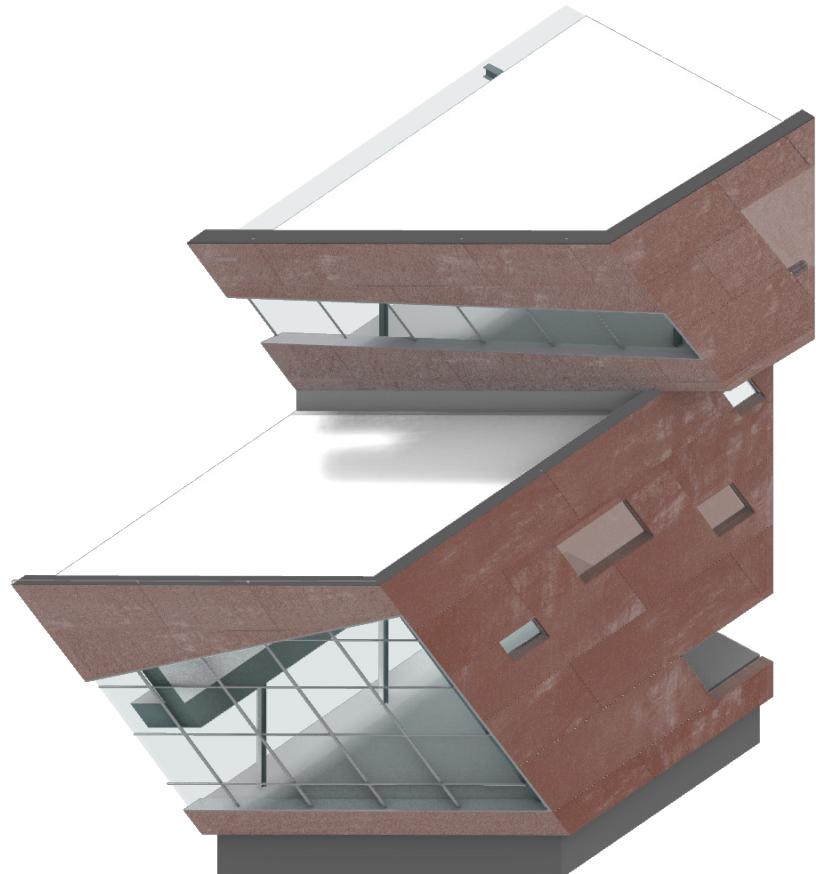
SECTION AA
SCALE: 3/16" = 10'



SECTION BB
SCALE: 3/16" = 10'

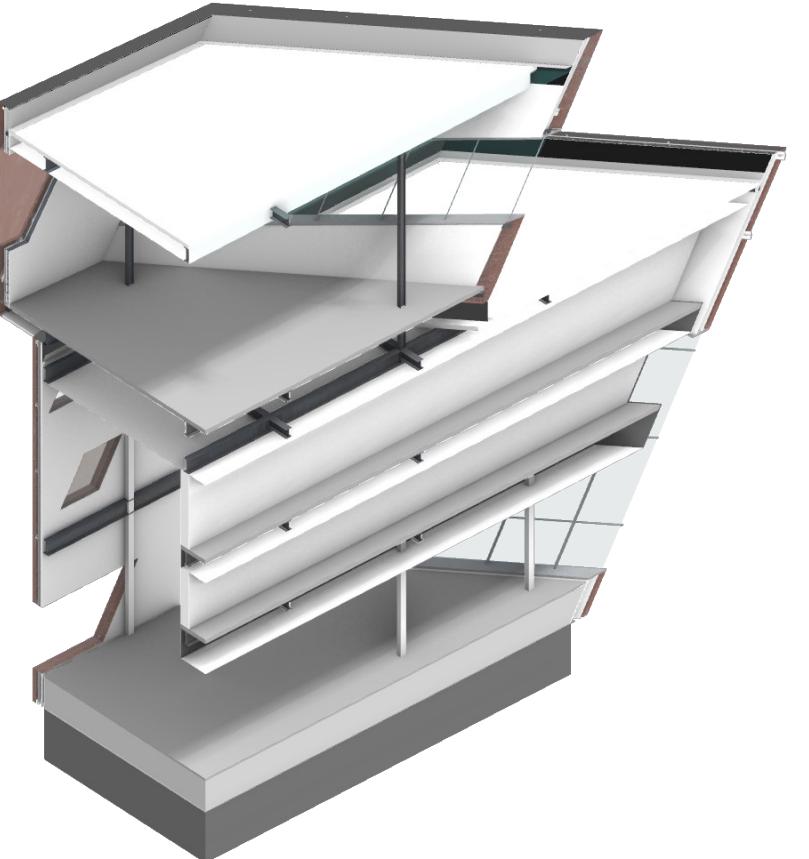
05 _ Elevation Drawings

06 _ Section Drawings



07.1 _ Building Envelope, Front View

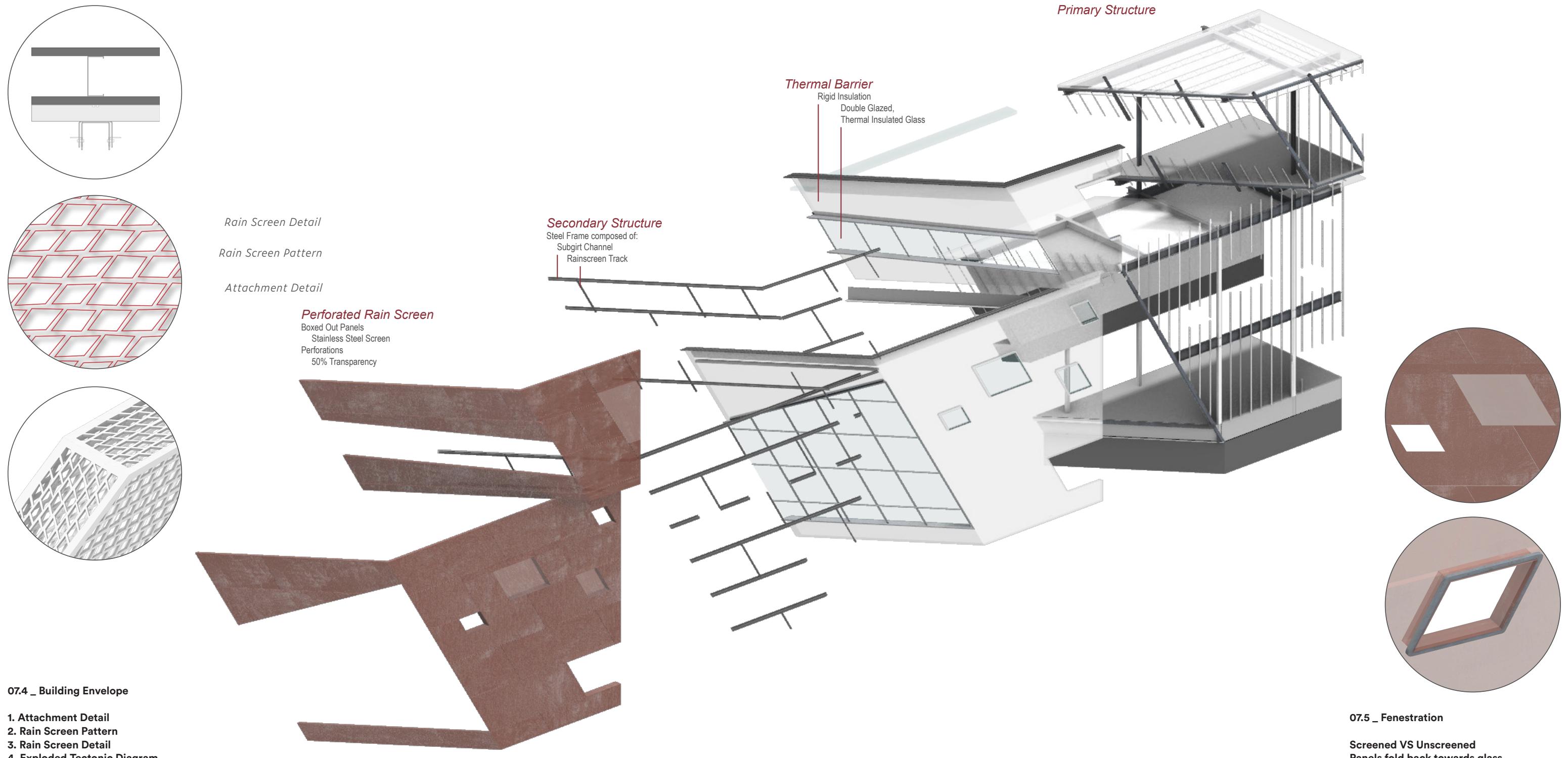
An in depth tectonic investigation about how particular materials, structural systems, and the building envelope come together.
The diagrams show a 'slice' of the project detailed as a whole and then as an exploded axonometric.

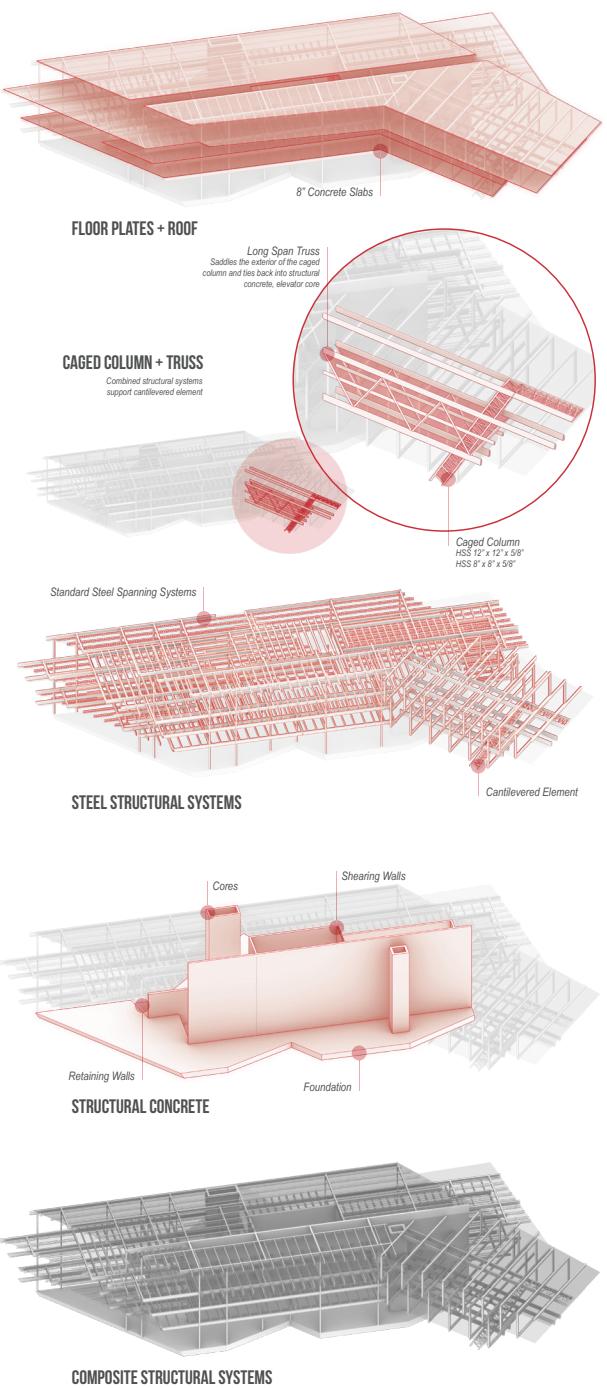


07.2 _ Building Envelope, Interior View



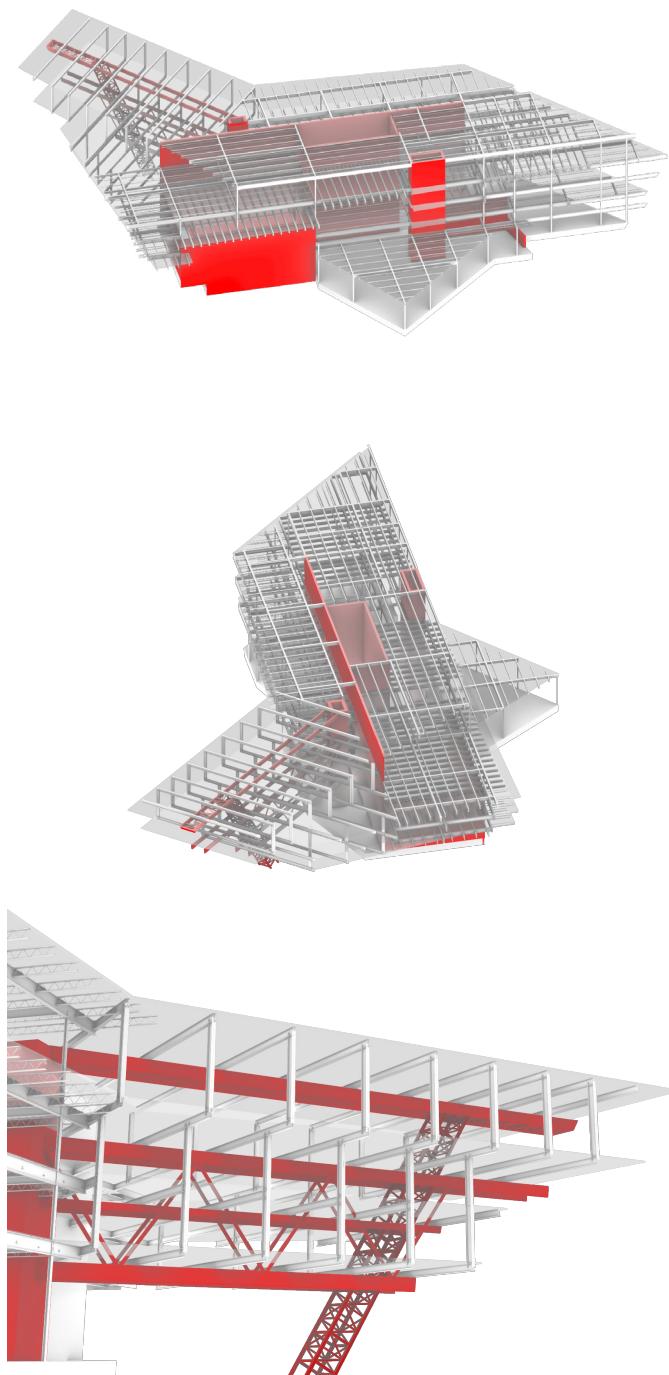
07.3 _ Building Envelope, Side View



**08.1 _ Exploded Structural Diagrams**

An indepth investigation of the structural systems used for the project.

The diagrams depict which systems were chosen for certain areas of the building and how they interact with one another.

**08.2 _ Isometric and Perspective Renderings**







