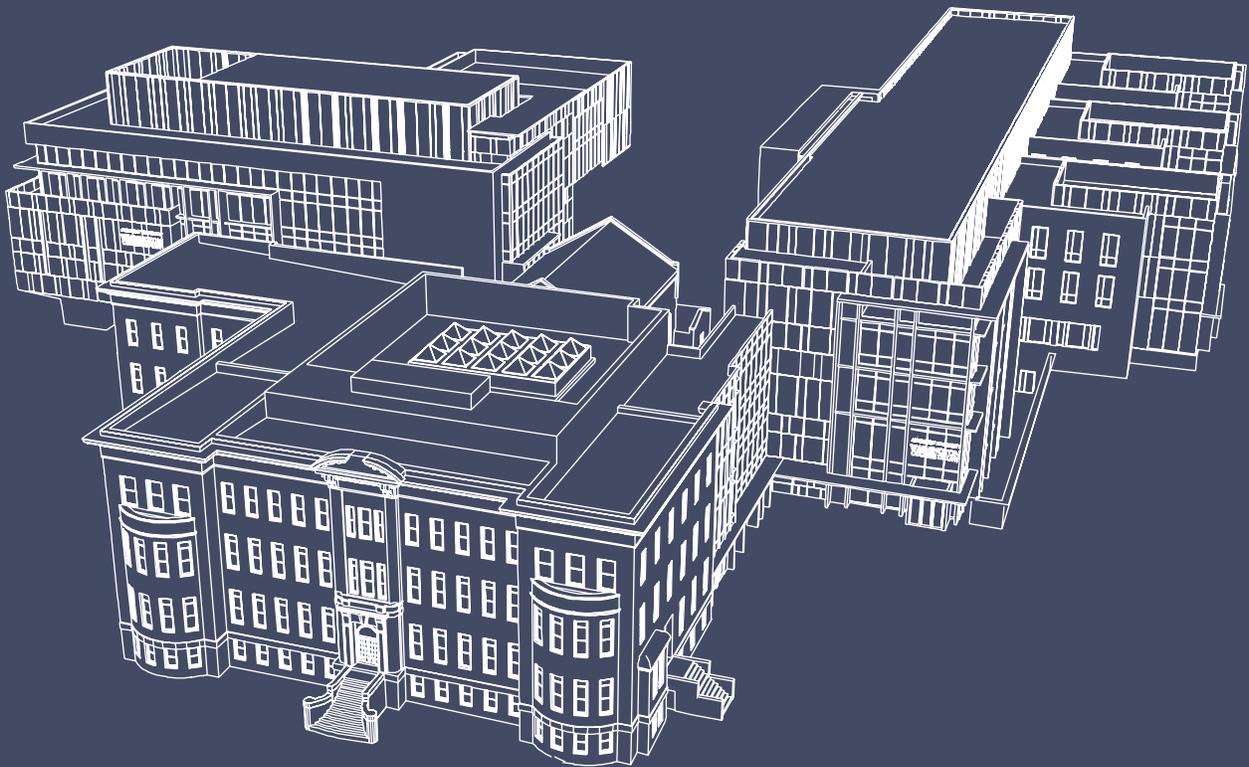


AMERICAN  UNIVERSITY
WASHINGTON
COLLEGE OF LAW

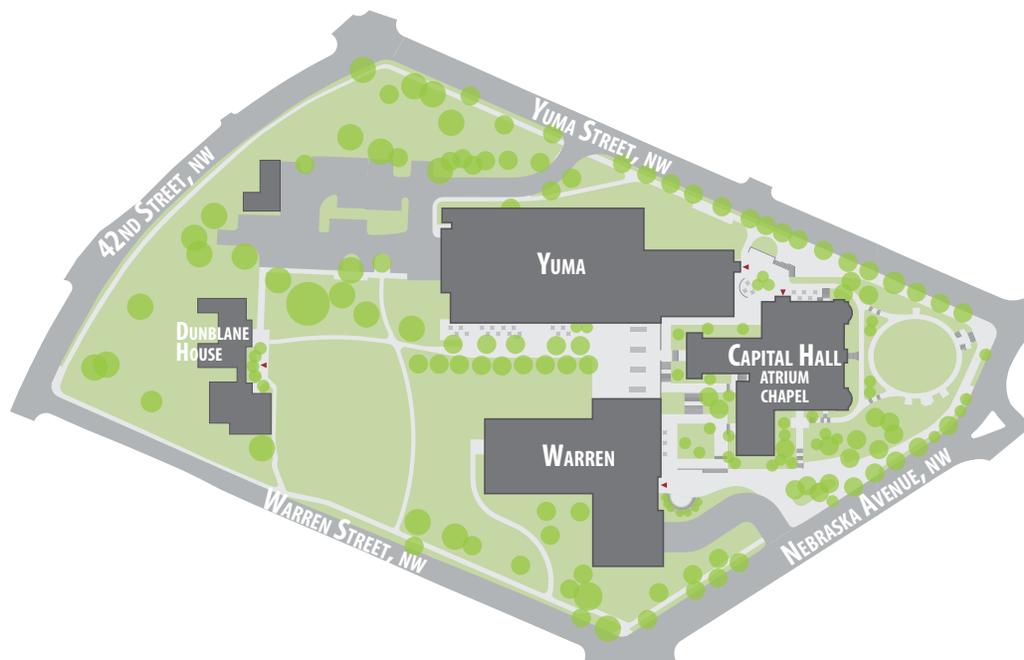


building tour

02.04.2016

WT SMITHGROUP JJR





Founded in 1896, American University Washington College of Law has evolved to meet the changing needs of legal education. Its new home on AU's beautiful Tenley Campus at the intersection of Nebraska and Wisconsin Avenues in Washington, DC enhances the institution's rich tradition of innovation, excellence and passion for the rule of law in the United States and beyond.

The 312,000 square foot facility is configured to define a prominent identity for American University Washington College of Law while honoring the legacy of the site, designated as a National Register Historic District. The 1904 Capital Hall, 1921 Chapel and circa 1839 Dunblane House contribute to its historic character.

New and renovated buildings form a connected complex of teaching spaces, conference facilities, legal clinic resources, teaching courtrooms, law library, alumni center, faculty and staff offices and multiple student study/meeting spaces. Outdoor spaces include a central quadrangle and an accessible front lawn that provide opportunities for interaction.

The facility is targeting LEED Gold certification by the USGBC and among its sustainable features is a progressive and energy-efficient DOAS radiant heating and cooling mechanical system.

Construction commenced in June 2013, and the facility opened for its first class in January 2016. Whiting-Turner is the Construction Manager and SmithGroupJJR is the Architecture/Engineering design firm.





AMERICAN UNIVERSITY
WASHINGTON
COLLEGE OF LAW

PENCE LAW LIBRARY

PROJECT GOALS

Express Washington College of Law's fundamental purpose and distinguishing features: breaking down barriers, creating connections, and reinforcing a strong sense of community.

Create highly-effective teaching and student-centric facilities in a state-of-the-art complex to support the school's diverse, internationally-renowned programs.

Maximize the advantages of the Tenley Campus site and its location in Washington, DC.

Incorporate meaningful sustainable design strategies achieved through an integrated design process.



PROJECT FACTS



Designed as a campus of buildings with activities interspersed throughout the three main structures to maximize opportunities for interaction and connections.

- Facilities emphasize collaboration, skills development, interaction with the public and legal community, and active participation in specialized programs.
- Among the most technologically advanced law schools in the nation.
- 8.5-acre site incorporating new construction sensitively built around remaining historic structures.
- Campus is designed to provide convenient access to metro and public transportation.

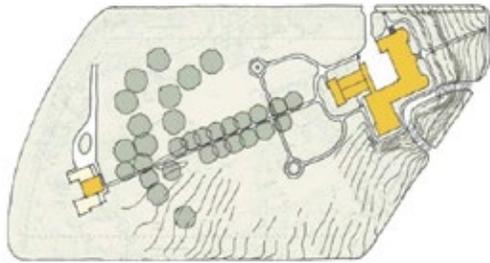
- 312,000 Square Feet Total Gross Floor Area
 - Instructional Facilities 74,400 GSF
 - Law Library 67,500 GSF
 - Administrative Offices 35,500 GSF
 - Faculty Offices 37,500 GSF
 - Law Clinics 8,000 GSF
 - Student Spaces 64,000 GSF
 - Centers and Programs 22,000 GSF

Project Team:

- SmithGroupJJR - Programming, Planning, Architecture, Interior Design, Historic Restoration, Mechanical Engineering, Electrical Engineering, Landscape Architecture
- A & F Engineers - Structural Engineering
- Wiles Mensch Corporation - Civil Engineering
- MCLA Inc. - Lighting Design
- TCT Cost Consultants, LLC - Cost Consulting
- Acoustical Design Collaborative, Ltd. - Acoustics
- Whiting-Turner Contracting Company - General Contractor

HISTORY AS GUIDE

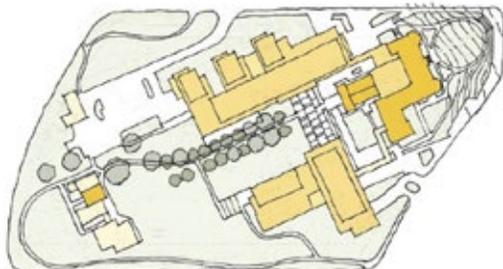
The Tenley Campus site was listed as a historic district by the DC Historic Preservation Review Board in 2011, including Capital Hall, Dunblane House and the Chapel.



1904-1955 1839 Dunblane, 1904 Immaculata, 1920s Extension, Chapel



1955-2013 Immaculata Expansion & Site Modifications



2015 American University Washington College of Law



Capital Hall (1904)



Chapel (1921)



Capital Hall (1904)



Capital Hall (1921)

PROJECT FEATURES

The new building configuration creates a prominent identity for the law school while remaining sensitive to the historic nature of the site.

- The campus is organized around a central courtyard space.
- The Tenley Circle front lawn with historic Capital Hall/College of Law administration building as the backdrop creates a new face for the community.
- Sculptural skylights at the quadrangle terrace illuminate the courtyard at night and allow natural light to spill into the law school commons space below.

The massing and facades of new buildings relate to the neighboring scale and context, and provide transparency to the activities within.

- The main entry at Nebraska is more prominent with larger expanses of openings to reveal the Pence Law Library.
- The ceremonial classroom is prominently located at the corner at the Warren wing.
- The facade along Yuma is reduced in scale with smaller openings to conform with the character of the neighborhood.
- Facades fronting the main courtyard/quadrangle are more open to maximize physical and visual connection between the outdoor spaces and interior spaces.

Use of natural building materials: limestone, brick and zinc to meet sustainability goals and relate to site context.

- Panelized natural zinc and variegated limestone rainscreen systems lend a light appearance to the façade and help break down the scale of the buildings.
- Architectural frame elements are paired with limestone volumes to signify building entries.
- The architectural frames also provide required solar shading at the east and west facades.
- The south façade at the courtyard is treated with an integrated sunshading system.





The design of the interior establishes and strengthens connections among the school community and with external communities.

Functions are intentionally distributed to encourage connectivity:

- Classrooms are found in multiple locations, including in the faculty wing, to promote faculty/student interaction.
- Glass-walled training courtrooms are adjacent to the atrium/café to display learning activities.
- The library commons is located at the major crossroads of the entire complex, linking various law school functions and containing multiple collaborative learning settings.

The campus appears to be organized as separate buildings however internal and external configurations create linkages:

- Vertical circulation and activity are concentrated around the interior quad to provide orientation through the complex of buildings.
- Both the Yuma and Warren Buildings contain large glass-enclosed stairs for transparency.
- Study areas flank a paved seating area within the interior quad.

Materials create visual connections between the interior and the natural character of the spectacular 8.5-acre site:

- A neutral palette is complemented by the warmth of wood paneling on walls and ceilings.
- Fabrics provide strong color accents throughout.
- Sculptural lighting fixtures animate the interior.
- Unity and variety distinguish the overall effect, for the large 310,000 SF building containing a wide variety of functions.

Notable spaces include the Commons, formal reading room, ceremonial classroom, Weinstein Courtroom (in the former chapel), atrium, conference center (Claudio Grossman Hall), and student dining room.

Clear distinction is made between the historic buildings and the design of the new buildings. The new construction is modern and forward-looking to reference the innovative focus of the Washington College of Law.

SUSTAINABLE DESIGN



The new Washington College of Law Campus is targeting LEED-NC Gold certification. Sustainable features include:

- Maximized green open space
- 35% energy and 40% water usage reduction
- Light colored roofing minimizes heat-island effect
- Encapsulated fly ash brick used (85% less energy and CO2)

The project was achieved through an integrated design approach.

- From the onset of the creative process, all architecture and engineering disciplines were collaboratively involved.
- This integrated process resulted in detailed Revit models to coordinate building systems and optimize design solutions.
- Whiting-Turner was included early in design providing both design-assist services and constructability reviews.

“ The College of Law and University’s deep commitment to environmental responsibility resulted in a number of unique solutions that influenced the success of the building design.

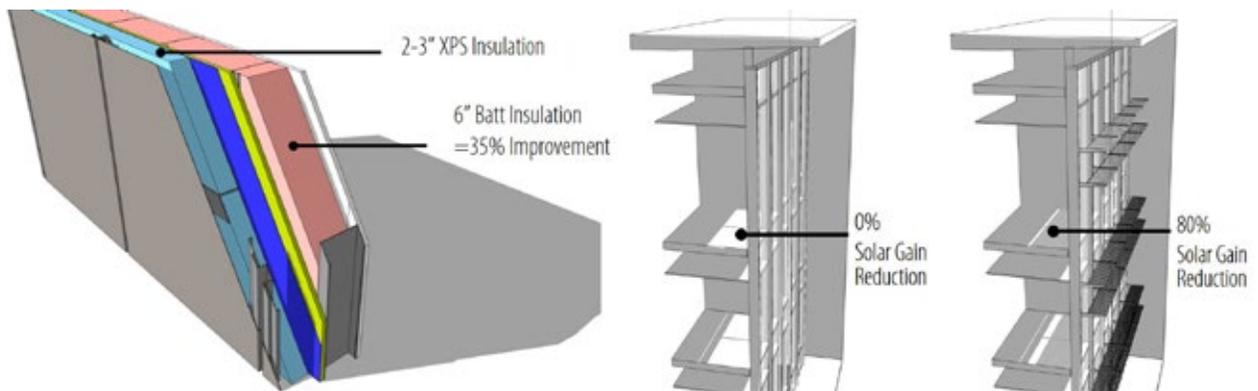
-- Tom Butcavage, Design Principal





The design team developed a solution for the building envelope to maximize daylighting throughout the campus while also reducing energy consumption.

- Continuous insulation combined with thick Batt insulation at strategic locations lightens heating and cooling loads in the building to save energy.
- Careful placement of sunshades on the south and west facades reduce solar heat gain by 80% and minimize glare, while maintaining high-levels of daylighting within the buildings.



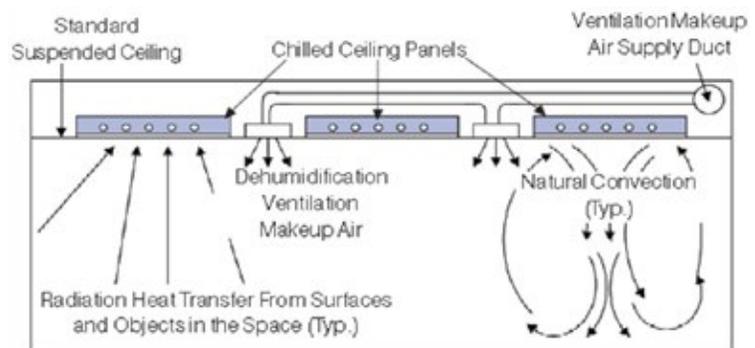
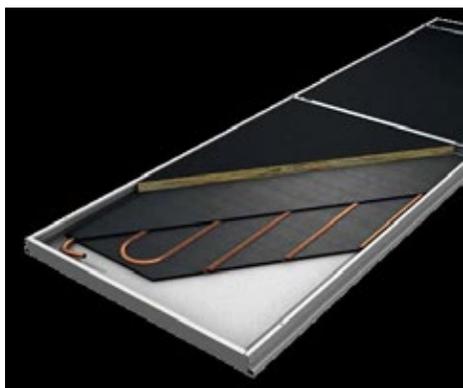
The building envelope solution and sunshades optimize the interior environment.

SUSTAINABLE DESIGN



SmithGroupJJR designed an innovative dedicated outside air system (DOAS) coupled with radiant ceiling panels (RCPs) for the new construction portion of the project. The advantages of this system include:

- It is low-noise, low-maintenance, and easy to reconfigure.
- The DOAS/RCP system offers lower first, operating and life-cycle costs as well as lower carbon emissions, meeting AU's goals for carbon emission reduction and operating cost savings.
- The hydronic-based conditioning system is well-suited to the expansive building arrangement, and offers greater efficiency given that water is over 24-times more effective at transferring energy than air.
- The dedicated outside air system (DOAS) approach eliminates the costly conditioning of excessive outside airflow rates found in conventional systems. This reduced the space required for shafts, mechanical rooms and ducts, allowing for higher ceiling heights.



The Dedicated Outside Air System (DOAS) coupled with Radiant Ceiling Panels (RCPs) provide optimal comfort.

RECOGNITION



The Beverly Willis Architecture Foundation, created to advance women in architecture, engineering and construction, honors projects where women play lead roles in the development of the design or construction.

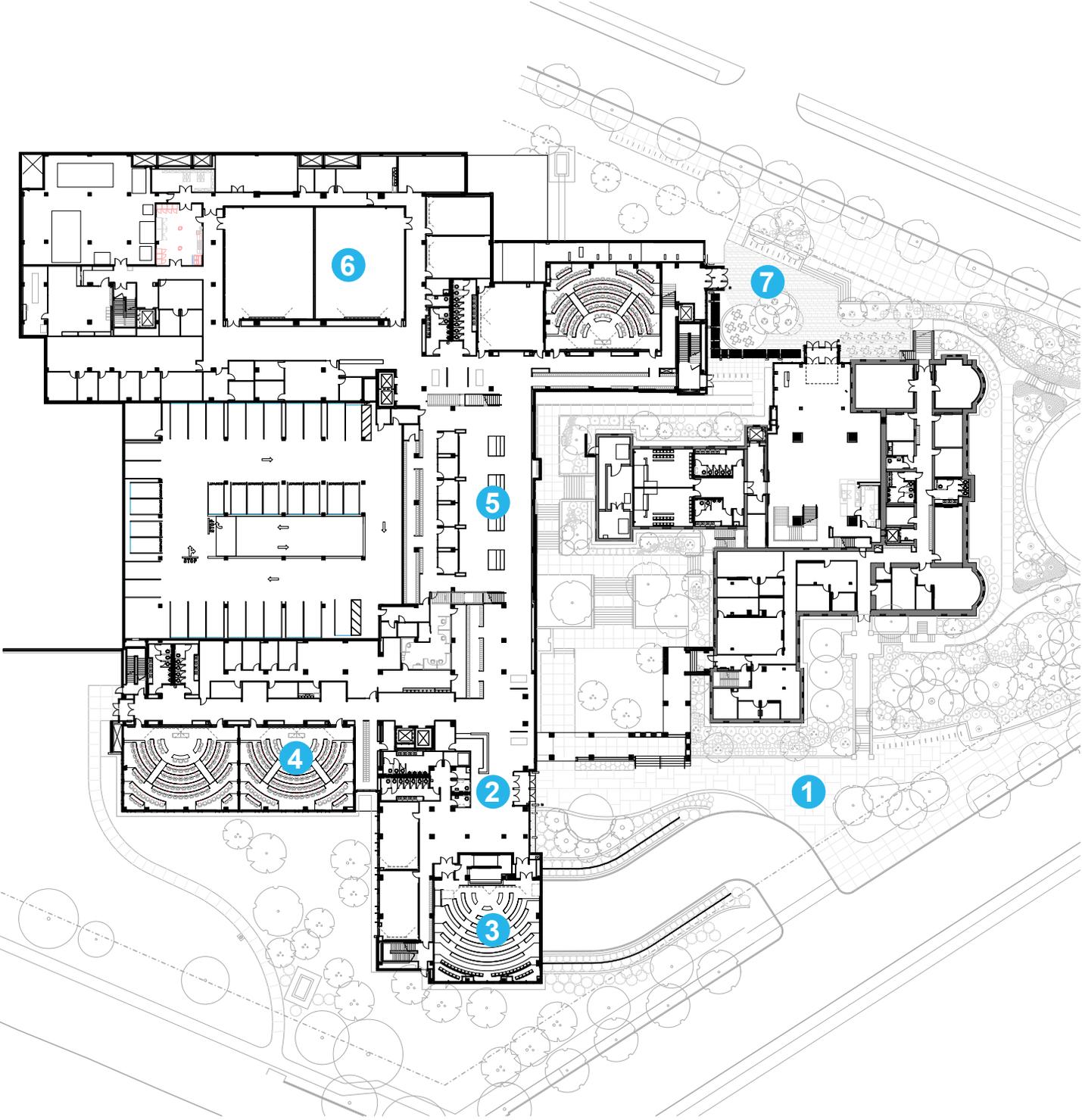
The Washington College of Law team has been honored with a “Built by Women” award, recognizing the significant contributions of SmithGroupJJR’s Project Manager Lori Cappuccio, Project Architect Jamie Lee, Project Architect Cristina Bump, Lead Mechanical Engineer Cynthia Cogil, Lead Electrical Engineer Sara Lappano, Lead Interior Designer Cheryl Brown, and American University’s Project Manager Ferda Guzey and Building Committee Chair Associate Dean Billie Jo Kaufman.

“ As a law school founded by women, we are proud and excited that so many talented women played such vital roles in the planning and implementation of this process.

-- Dean Claudio Grossman



LOWER LEVEL



3

Ceremonial Classroom



4

100 person classroom

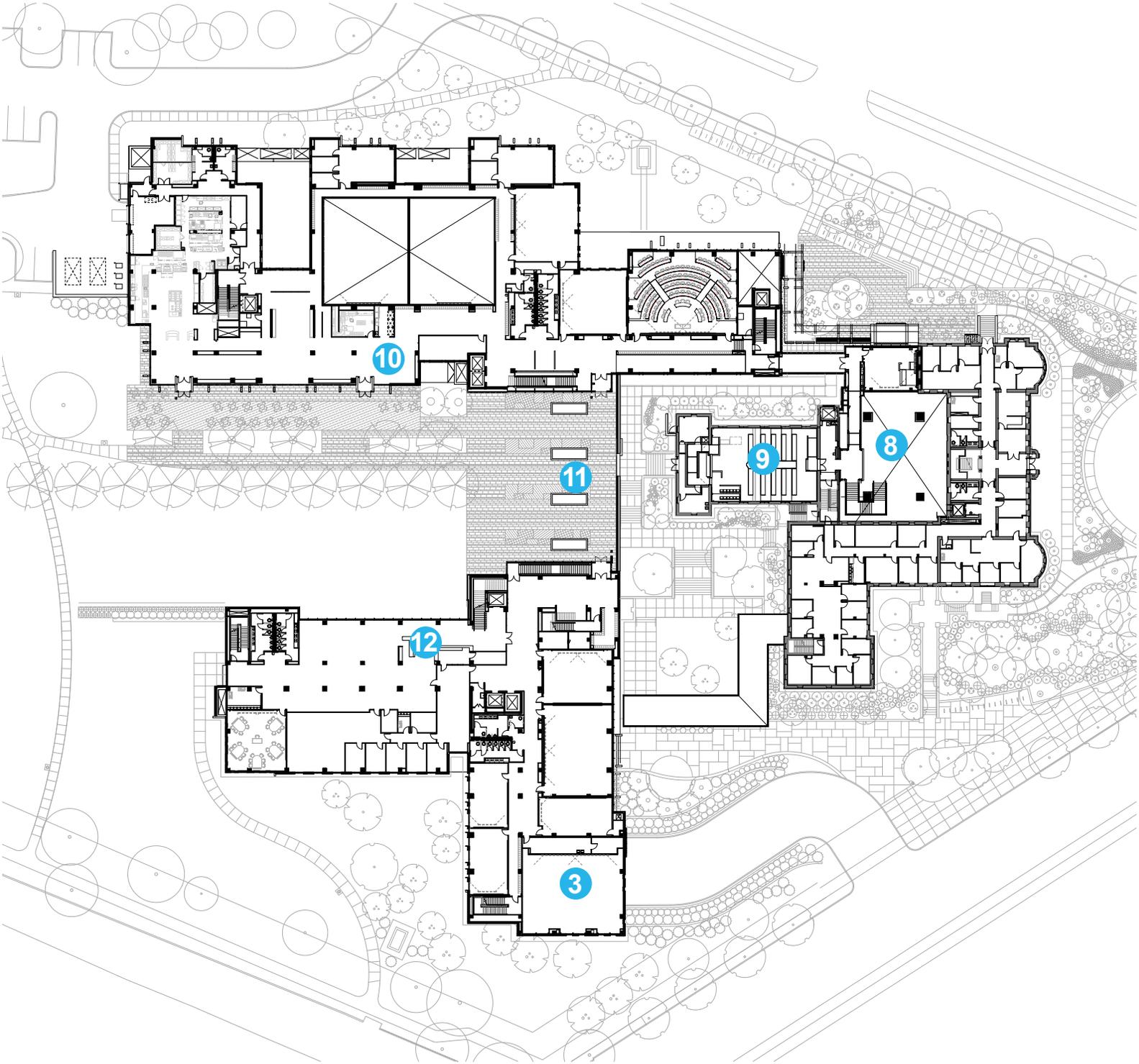


5

Commons



FIRST LEVEL



8
Atrium



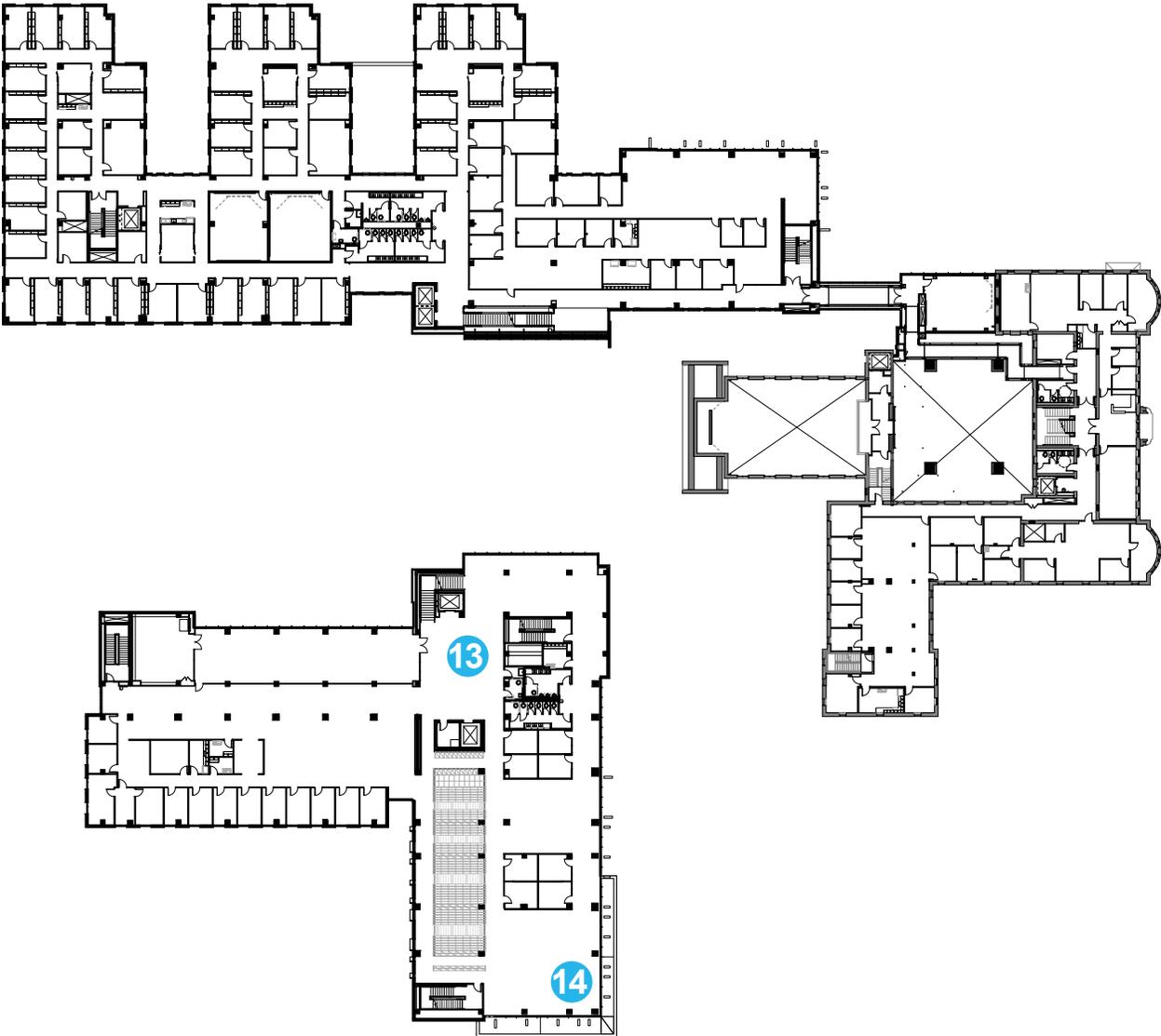
9
Weinstein Courtroom



11
Courtyard



SECOND / THIRD LEVELS



13

Pence Law Library
Reading Room



14

Library Study Area



“ The design captures the dynamism and innovation of the Washington College of Law’s leading academic programs and community.

-- Tom Butcavage, Design Principal



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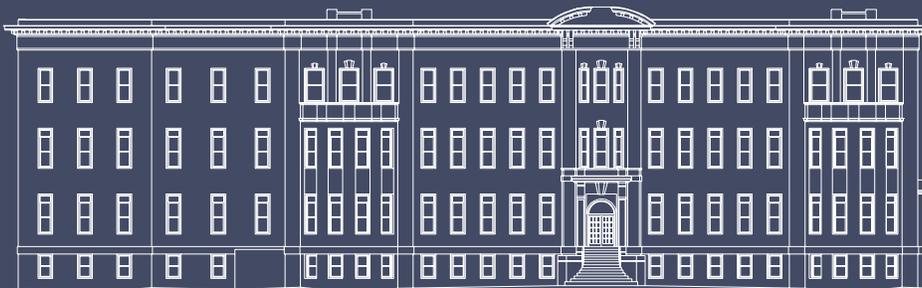
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“ This is more than a leading law school. It’s an environment of opportunity, and a uniquely collaborative place where students, faculty, and alumni champion what matters in all areas of the law.

-- Dean Claudio Grossman

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