D E N G , B O E R

A I A | L E E D A P B D + C

CURRICULUM VITAE

CODEX
ICON Technology, 2022-Present

WIMBERLEY SPRINGS
ICON Technology, 2022-Present

BUILDING BLOCKS & PRODUCT CATALOG
ICON Technology, 2022-Present

MIT STEPHEN A. SCHWARZMAN COLLEGE OF COMPUTING | CAMBRIDGE, MA
Skidmore Owings & Merrill, 2020 - Present

NANJING WTC TOWER A | NANJING, CHINA
LMA Design, 2016 - 2017

DEJI PLAZA PHASE 3 | NANJING, CHINA
LMA Design, 2015 - 2017

NANJING WTC PODIUM | NANJING, CHINA
LMA Design, 2015 - 2017

THE LINE HOTEL | WASHINGTON DC, USA
Incorporated Architecture & Design (INC), 2013 - 2015

OVERLOOK HOUSE | NEW YORK, NY
Incorporated Architecture & Design (INC), 2013 - 2015

BUND X-CHANGE
Building Design Partnership (BDP), 2010 - 2011

EDUCATION

COLUMBIA UNIVERSITY | GSAPP | NEW YORK
Master of Architecture 2014 - 2017 | Studio X - Ethiopia, Studio X - Rio de Janeiro

UNIVERSITY OF CINCINNATI | DAAP | CINCINNATI, OHIO
BS Architecture 2009 - 2013 | University Global Scholarship, Dean's List, Al Neyer, Inc Scholarship.

PROFESSIONAL EXPERIENCES

ICON TECHNOLOGY
www.iconbuild.com | Austin, TX
Director, Codex & Architectural Technology | May 2022 - Present | Full-time

Codex & Home Productization | Digital Workflows | 3D-Printed Construction

- Directed the full product lifecycle for Codex, ICON's flagship digital home catalog, overseeing strategy, execution, and go-to-market to scale 3D-printed housing solutions; contributed to over $600M in project bookings.
- Led a multidisciplinary team spanning product, design, construction operations, and software to develop both customer-facing and internal tools that bridged architectural vision with automation. Drove the conception and execution of cross-functional programs — including Detail Catalog, Product Catalog, Cost Pipeline, Build Modules, Advanced Wall Geometry, and Design-to-Print Workflow — to streamline home productization, cost modeling, and 3D print readiness. Collaborated closely with R&D and engineering to define the core infrastructure and data models powering ICON's proprietary design-to-construction workflow, enabling home delivery in as little as 100 days.
- Transformed ICON's design digital workflows, redefining the framework and informing proprietary software development to streamline the end-to-end process from design to 3D printing.
- Led the creation of the *ICON Architect Handbook*, a design guide for 3D-printed architecture and collaboration with ICON technology.

SKIDMORE OWINGS & MERRILL
www.som.com | New York, NY
Senior Architect, & BIM Lead | Feb 2018 - May 2022 | Full-time

MIT Schwarzman College of Computing

- Led end-to-end project execution for an advanced computing research facility, managing technical design, coordination, and documentation from schematic design (SD) to construction administration (CA).
- Oversaw cross-functional collaboration, aligning architects, engineers, and contractors to ensure seamless integration across all trades.
- Directed a fast-tracked façade development, managing design-assist coordination and technical specifications for an innovative close-cavity facade system.
- Managed stakeholder relationships, securing approvals from regulatory bodies, including the Department of Buildings (DOB), planning bureau, and fire department.

Wellesley College Science Center

- Owned key project components from SD to construction documentation (CD), overseeing circulation planning and reflected ceiling plan (RCP) execution.
- Led multi-trade coordination, managing steel, mass timber, miscellaneous metals, and interior finishes to optimize construction workflows.

Technology and BIM Leadership

- Championed firm-wide digital transformation, leading large-scale project BIM strategies, standardizing workflows, and implementing weekly training programs.
- Participated in various key firm-wide research and training programs on digital transformation, improving architectural documentation standards and digitalization strategy adoption across project teams.

LMA DESIGN LLC
www.lmarchdesign.com | New York, NY
Architectural Designer & BIM Manager | Apr 2015 - Dec 2017 | Full-time & Part-time

- Led design development on large-scale projects including mixed-use super towers, commercial plazas, and museums from concept through construction.
- Drove firm-wide digital transformation, leading the CAD-to-BIM transition, establishing company-wide standards, and managing multiple concurrent projects.

INCORPORATED ARCHITECTURE & DESIGN (INC)
www.inc.nyc | New York, NY
Junior Architect | Sep, 2013 - Sep, 2014 | Full-time

Worked closely with the principals on interior design development for luxury hospitality and residential projects through Revit modeling, FF&E documentation, and shop drawings. Facilitated international project coordination through on-site work in China.

BUILDING DESIGN PARTNERSHIP (BDP)
www.bdp.com | Shanghai, China
Assistant Architect | Sep, 2011 - Sep, 2012 | Full-time

Primarily worked on business development activities in supporting principal partners in client relationship building and delivering presentations for large-scale master planning and high-profile commercial projects.

PRODUCTS & PROJECTS

CODEX | ICON'S DIGITAL HOME CATALOG WITH 60 READY-TO-BUILD HOME DESIGNS

Architects Handbook | ICON'S DESIGN GUIDELINE FOR 3D PRINTED ARCHITECTURE

MIT Schwarzman College of Computing | SOM

Wellesley College Science Center | SOM

The Line Hotel DC | INC

Overlook House | INC

PUBLICATIONS

Heritage, Tourism, and Urbanization -- The Landscape and Development of Lalibela Ethiopia | Report | 2017

In collaboration with EiABC and World Monuments Fund in Lalibela, Ethiopia; conducted site survey, worked with local scholars and involved in drafting and editing the preliminary report.

Trans-Versalidades | Journal | Spanish | 2014

Participated in the research studies of "Between the Earth and Sky", authored by Pro, Williamson, Rebecca.

Rapport Intermediaire | Journal | Oct 15 2012

Charrette "Reading Road of 2043" was selected in the publication in French under the supervision of Pro, Williamson, Rebecca.

Parametric Building Design in Autodesk Maya | Book | 2014

Project of "Parametric Urbanism" was selected to be included, authored by Ming Tang.

SKILLS

TECHNOLOGIES

Atlassian Confluence, Jira, Miro

Swift (xcode), Firebase, Google Cloud Service

m360, Asana, slack, Airtables, NOTION, Google Workspace

Adobe Creative Suite, Figma, lottie

Autodesk Construction Cloud, Autodesk Revit 2010-2021, Naviswork, ReCap, Dynamo, Auto CAD

Enscape, Unity & Stream VR applications, Vray, MicroStation, GISMap, Rhinoceros, Grasshopper

LANGUAGES

Bilingual Mandarin Chinese/English.

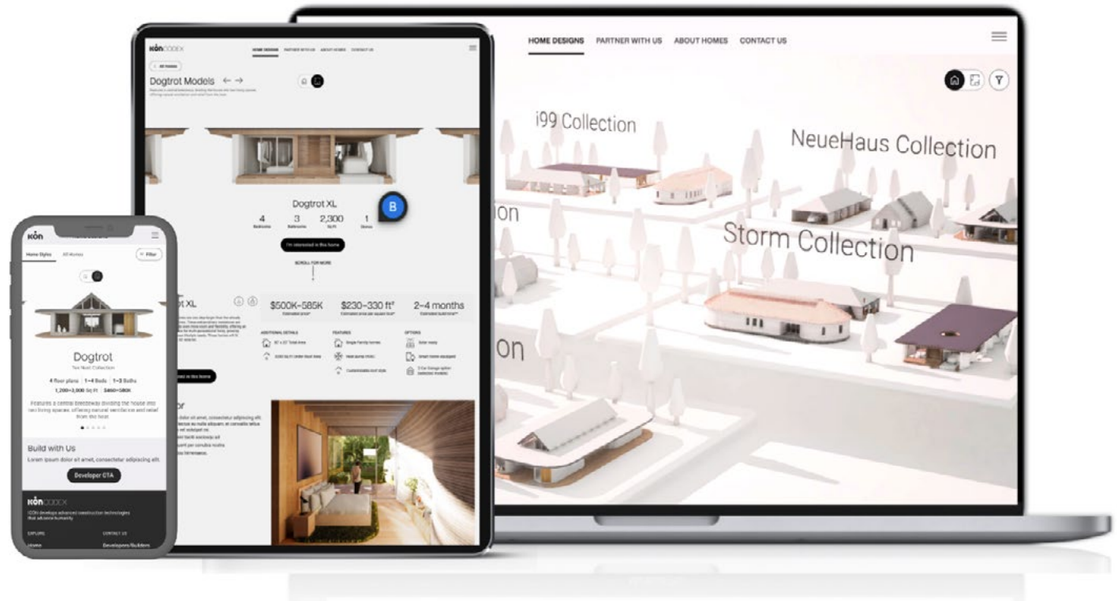
LICENSES & CERTIFICATIONS

Registered architect in Texas & New York State

LEED AP BD+C

CODEX

ICON’s digital catalog of ready-to-print homes with world-class architecture.



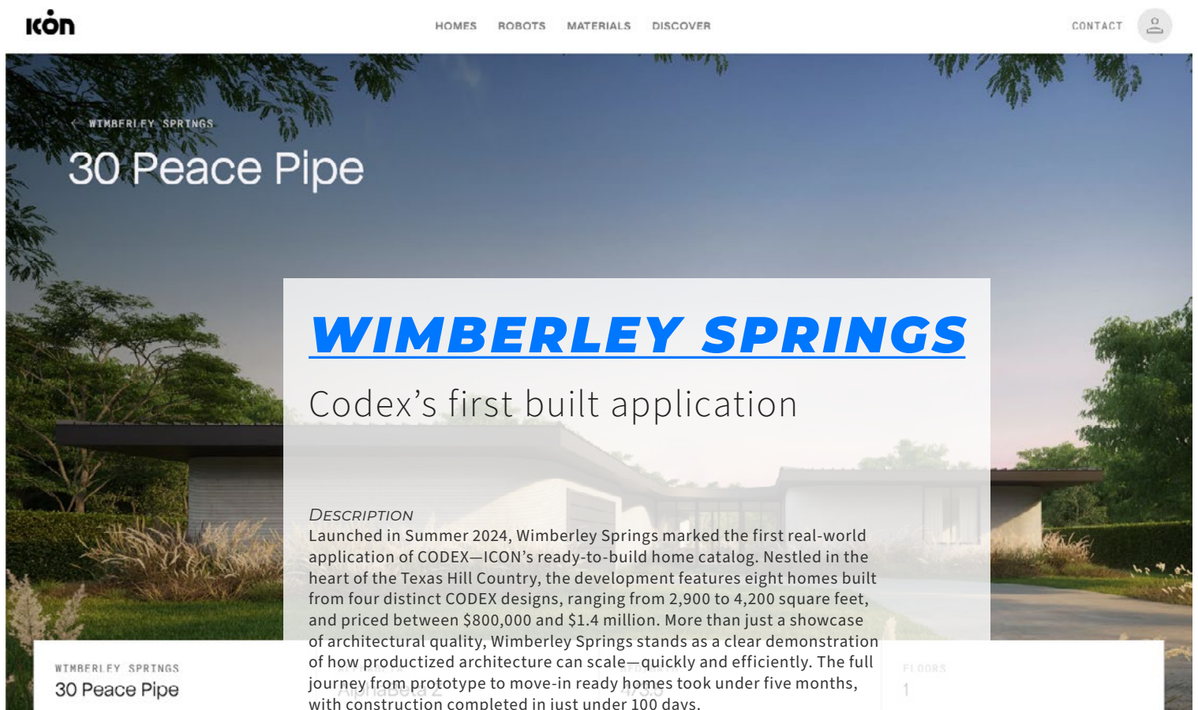
Professional Work, 2023 - PRESENT
ICON TECHNOLOGY

Role
Spearheaded the creation and implementation of ICON’s digital home catalog (*Codex*), driving architectural content strategy and quality standards across the platform. Led the product strategy to enter the market including architectural product development, the digital platfrom (website), and supporting initiatives that enables product delivery - built homes.

Responsible for stakeholder alignment, scope of work definition, and execution planning and road mapping. Codex was one of the most multi-disciplinary program at ICON, including external and internal architectural and building performance teams, software development team, user interface and design team, construcction operations team, preconstruction team, marketing and business development team.

Led external and internal architectural design groups to design 4 collections of prototype designs addressing various social, environmental and cultural concerns through housing.

Description
ICON’s digital catalog of ready-to-print home architecture features more than 60 designs across five collections: Texas modern, fire resilient, storm resilient, affordable, and avant garde. The aim of CODEX is to make high-design and high-performance residential architecture available at all price points. CODEX allows builders, developers, and home buyers to build with ICON quickly and affordably using world-class architecture. ICON’s aim is for CODEX to be the most comprehensive digital catalog of buildable home designs in the world. It empowers ICON customers to select preferred designs as a starting point for their master planned communities and developments. Developers can explore today and get a build started by filling out the Contact Form.



WIMBERLEY SPRINGS

Codex's first built application

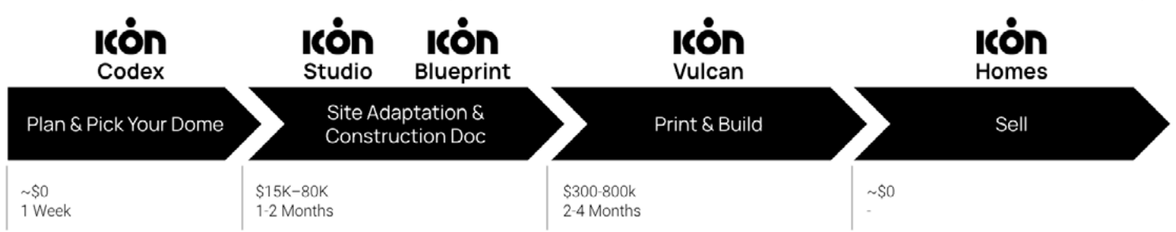
Description

Launched in Summer 2024, Wimberley Springs marked the first real-world application of CODEX—ICON's ready-to-build home catalog. Nestled in the heart of the Texas Hill Country, the development features eight homes built from four distinct CODEX designs, ranging from 2,900 to 4,200 square feet, and priced between $800,000 and $1.4 million. More than just a showcase of architectural quality, Wimberley Springs stands as a clear demonstration of how productized architecture can scale—quickly and efficiently. The full journey from prototype to move-in ready homes took under five months, with construction completed in just under 100 days.

Role

As the first deployment of CODEX, Wimberley Springs became both a proving ground and a blueprint. I was responsible for shaping and managing the full digital workflow—from transforming conceptual CODEX designs into buildable, site-specific homes, to refining operational processes that bridged design intent with execution on the ground.

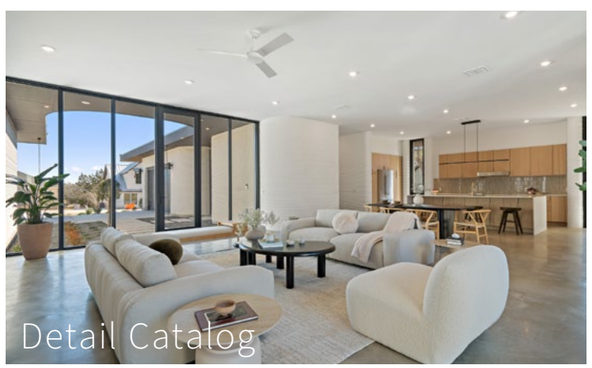
I led the integration of customizable options to broaden market appeal without compromising architectural integrity. Just as critically, Wimberley was the first project to fully run through the end-to-end pipeline I established—including the Product Catalog, Detail Catalog, Cost Pipeline, and Design-to-Build processes. This infrastructure was essential in enabling a smooth, accelerated delivery of high-quality homes, setting the stage for future CODEX developments.




Designed in 1 month


Instant Design-to-Print


Printed in under 2 weeks


Detail Catalog


Built in under 100 days


Product Catalog


Cost Pipeline

DESIGN TO PRINT

ICON's BIM ecosystem that translates designs in printable structures

Professional Work, 2022 - PRESENT
ICON TECHNOLOGY

Product Objective
Radically simplify the development of printable structures from architectural intent

Role
Acted as a principal product manager, bridging the gap between design professionals and software engineers. Led the architectural technology team to translated user and design requirements into actionable specifications, ensuring that engineering principles were accurately coded into software. Oversaw the development process to guarantee that the final product functioned as intended, aligning with both design intent and user needs.

Championed the firm-wide CAD-to-BIM transition and steered the architectural technology team in collaboration with software development team on Design-to-Print workflow on developing tools that reduced team working on print path and reinforcement translation from 7 FTE over 3 months to 0.5 FTE over 4 weeks with for each project.

Led the architectural technology team in developing in-house tools to bridge gaps in the Design-to-Print workflow, ensuring timely project delivery even when software development cycles extended beyond project deadlines. These tools provided critical solutions to maintain efficiency and meet project timelines while software platforms were still under development.

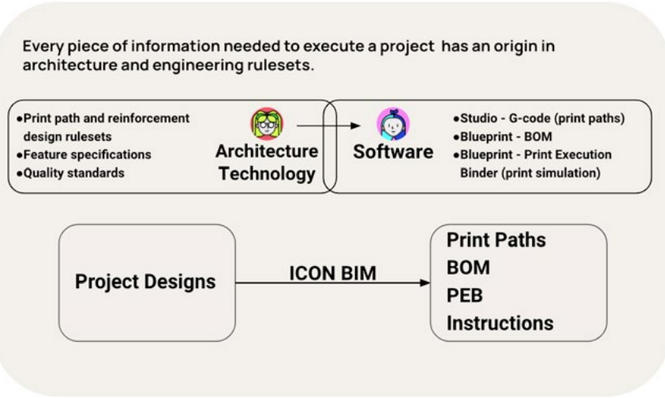
Served as a key contributor to shaping ICON's BIM ecosystem development, providing critical feedback from end users, including external and internal architectural, structural, and MEP design teams. Conducted in-depth analyses of workflow inefficiencies, prioritized feature requests and requirements, and developed strategic roadmaps that balanced resource constraints with broader company objectives and goals.

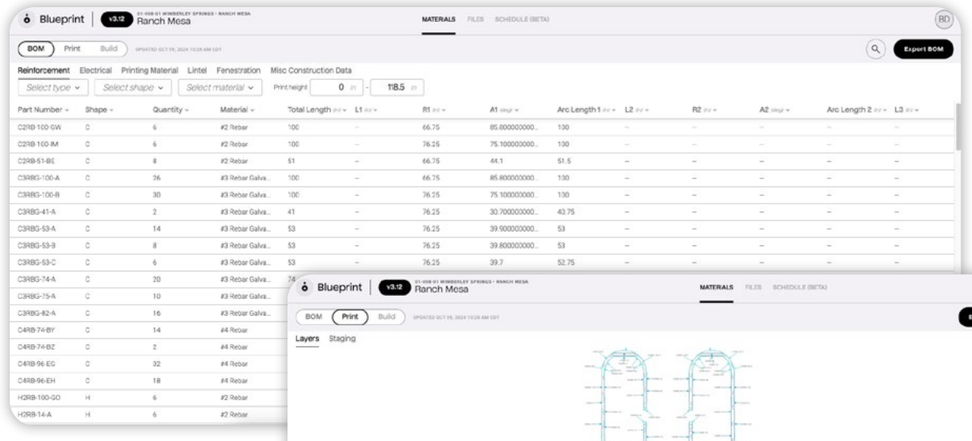
2022
The print path and reinforcement translation process were all manual from CAD to g-code.

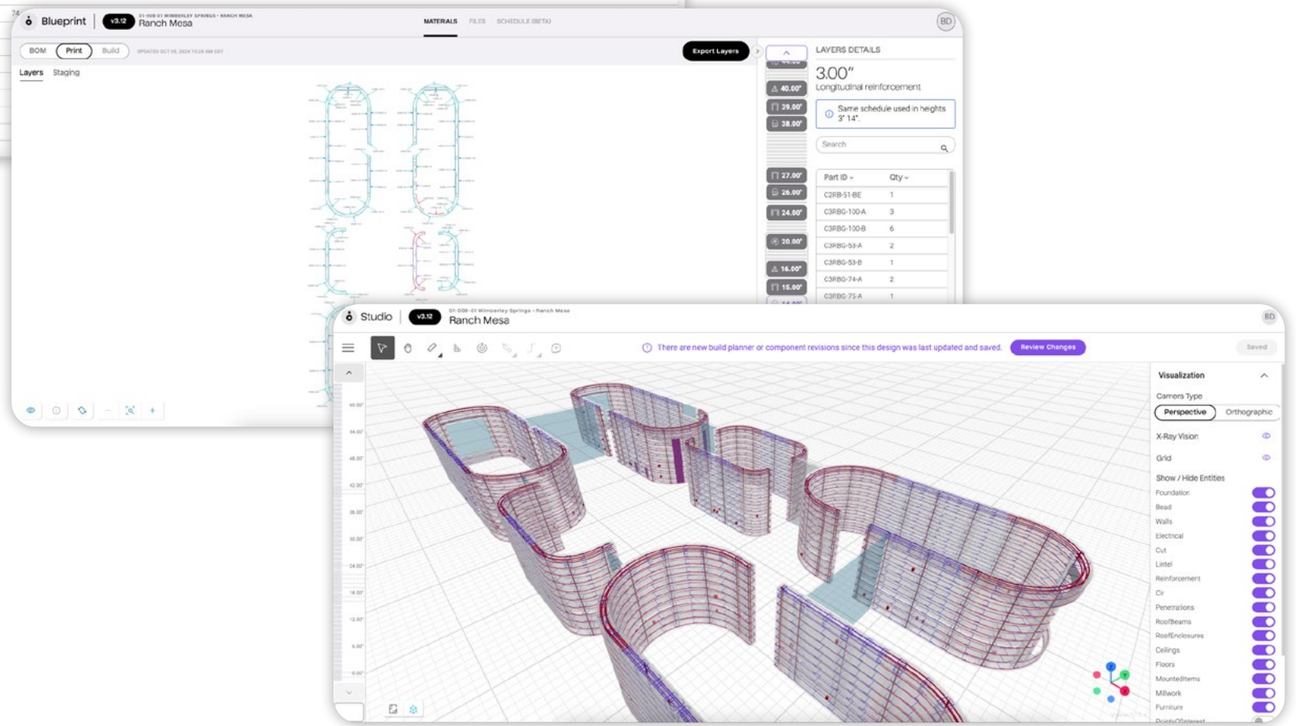
18 WKS + / PLAN

3 WKS

2024
The development translating all design and engineering principles into a backend BIM processor (BuildPlanner) .







BUILDING BLOCKS

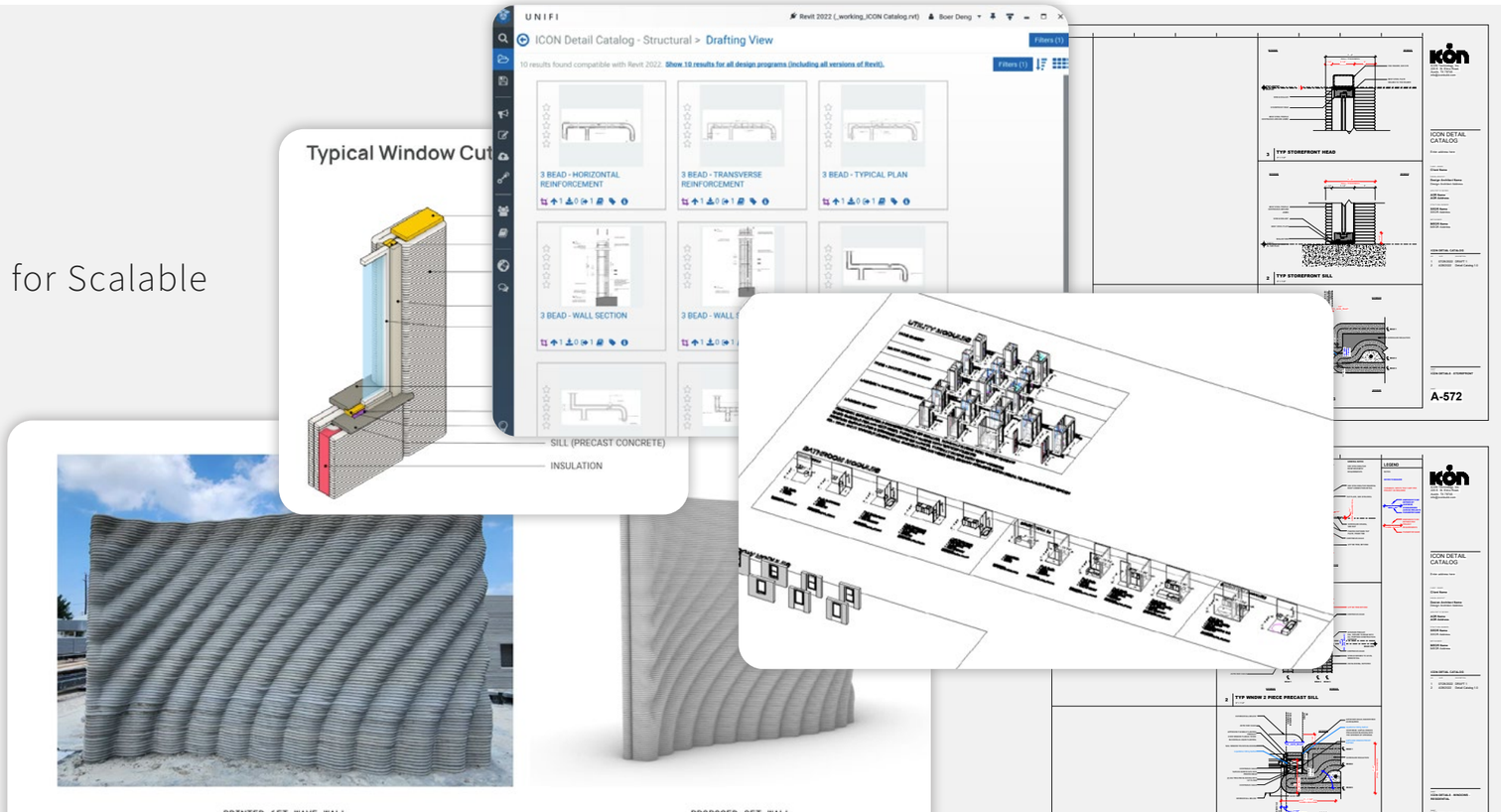
Standardizing Design and Construction for Scalable Solutions

Role

Product Owner, orchestrated the formation and development of the internal product from ground 0, including product vision, roadmapping and execution. Coordinated with architects, engineers, and construction teams to create accessible resources for design and construction workflows. Oversaw the creation of Revit families, detailed construction drawings, sequence diagrams, and field SOPs for broad usability. Led the integration of the catalog into ICON's proprietary BIM ecosystem, enhancing scalability and workflow efficiency. Ensured the catalog supports ICON's mission of standardizing processes and promoting large-scale project execution.

Description

ICON's Architectural Product Catalog serves as a comprehensive database of 3D printed architectural, structural and MEP features, details, and systems, designed to standardize both design and construction processes. It includes Revit families, detailed construction drawings for design professionals, sequence diagrams, and field SOPs tailored for construction crews for accessibility by various groups of users. These assets are systematically organized and are in the process of being integrated into ICON's proprietary BIM ecosystem, realizing a true 5D BIM.



PRODUCT CATLAOG

A scalable solution for cost-estimation

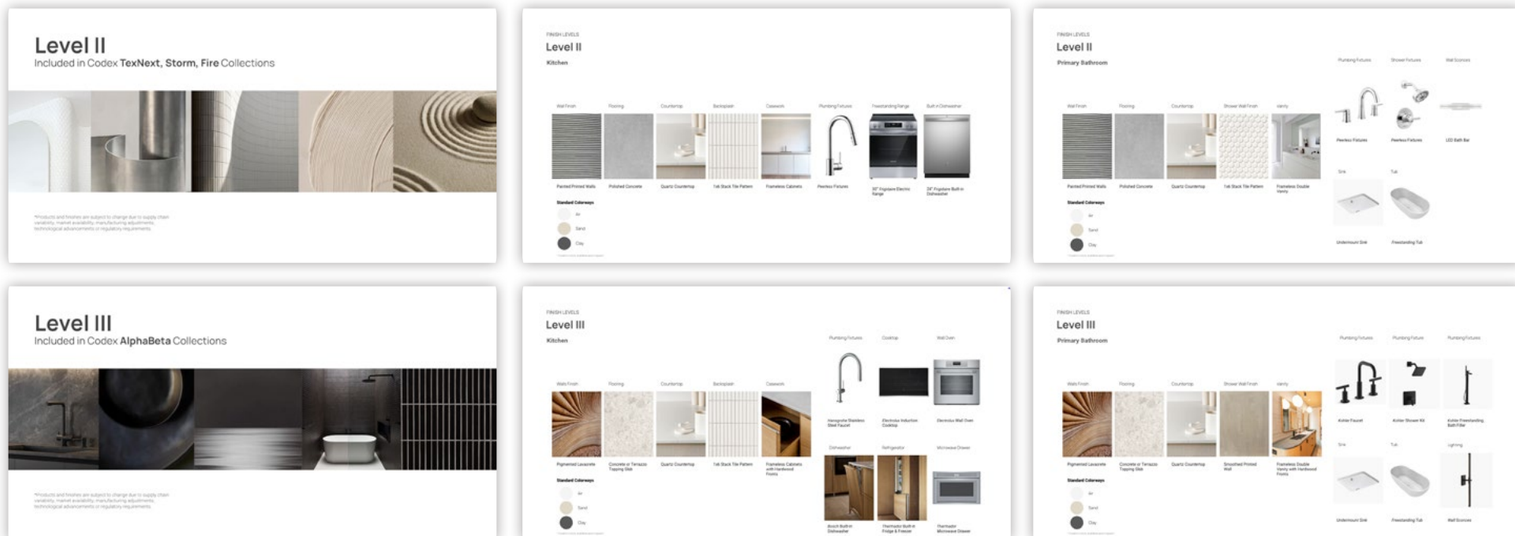
Role

Product Owner, initiated the product from concept to implementation, building the framework, content, and processes from scratch.

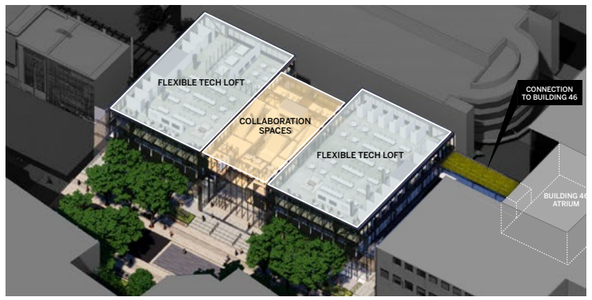
Led cross-disciplinary collaboration with Pre-Construction team to align the catalog with ICON's design principles and cost target, ensuring seamless adoption across projects at various price range.

Description

The Product Catalog is a carefully curated collection of building products, suppliers, and trades that embodies ICON's brand and design values while meeting cost-efficiency targets. There are currently 3 levels of within the catalog serving projects ranging from production level at $100/sqft to luxurious level at $600/sqft.



MIT STEPHEN A. SCHWARZMAN COLLEGE OF COMPUTING



Professional Work, 2020 - 2022
SKIDMORE OWINGS & MERRILL

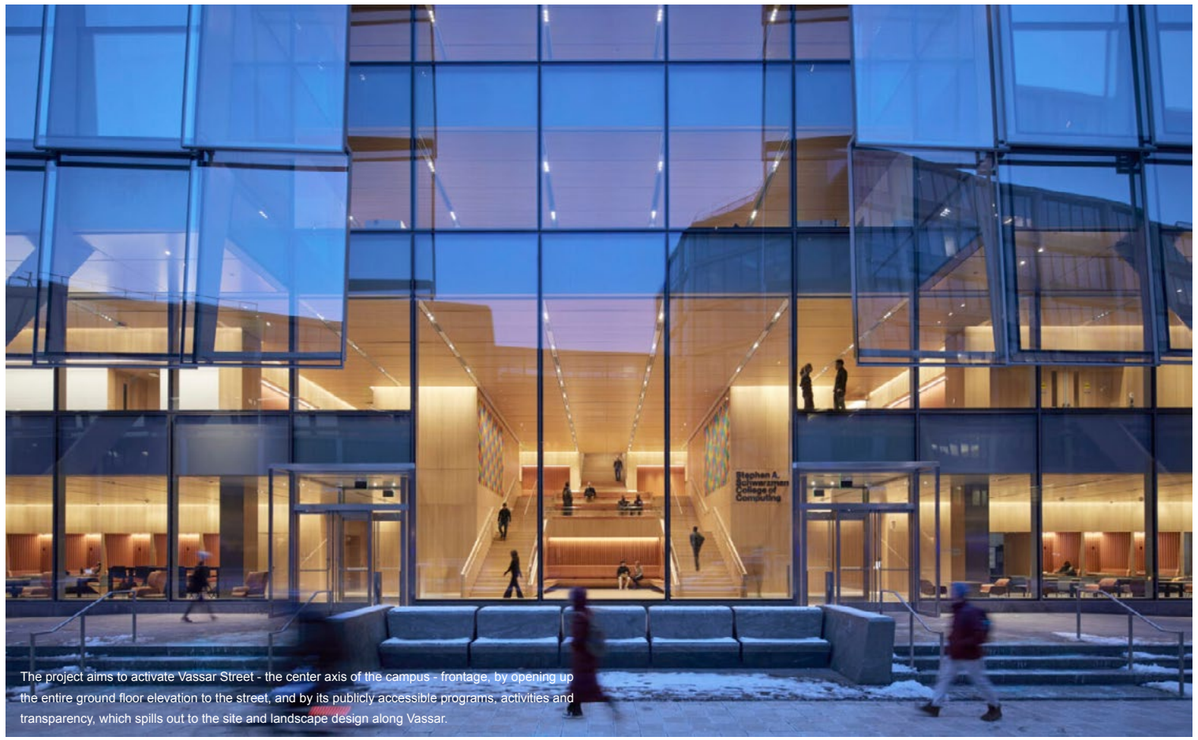
Role
Senior Architect responsible for the technical coordination and development of the project from SD to early construction administration phases, and led the production resources and schedules of documentation to meet project team requirement.

Managed a collaborative relationship with clients, external and internal consultants. Led presentations for client's facilities group and local authorities including DOB, planning bureau and fire department.

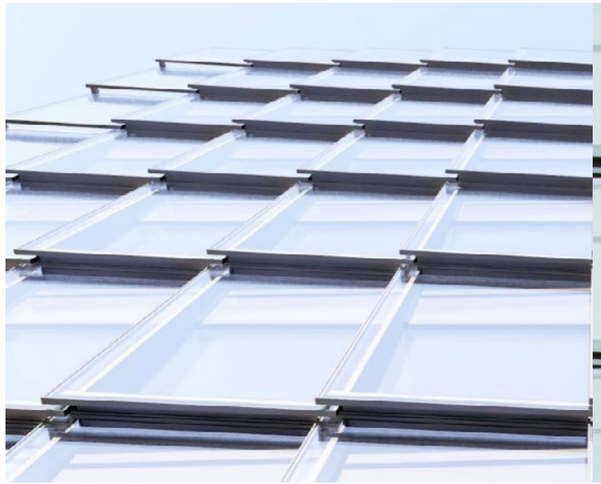
Performed and directed technical research and analysis required for the project. Supervised and mentored junior staff using project delivery approach to communicate design intent.

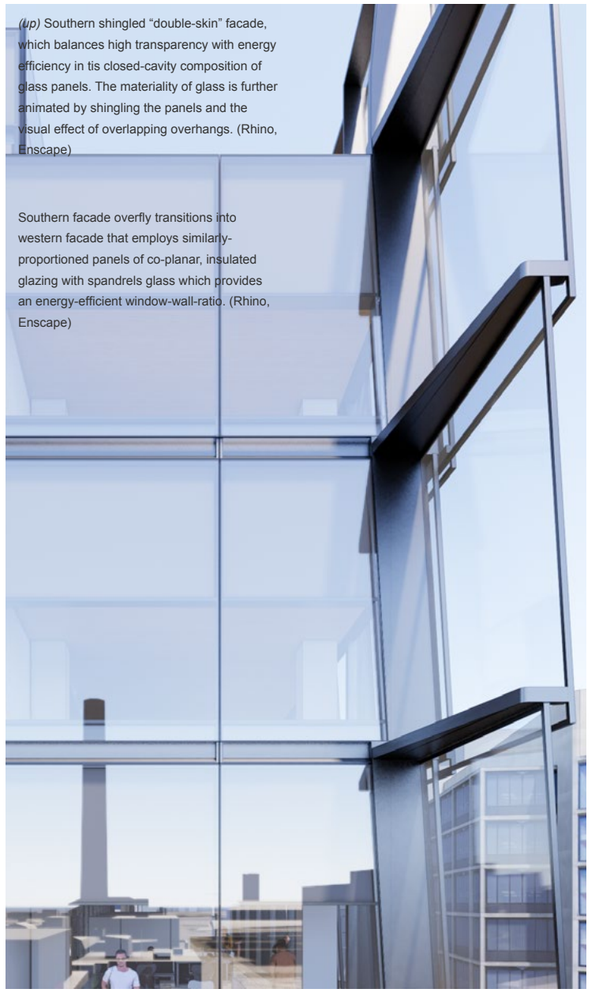
Co-led the development of the enclosure design including a close-cavity facade and the production of the design assist package. Led the design effort for the building massing, floor plan development, collaborative public spaces and circulations in the project. (Rhino)

Authored BIM Execution Plan and led the big project team BIM practice and coordination. Held weekly training sessions for team to efficiently use the model not only as a documentation tool but also an agent for design exploration and a presentation method. (Revit, Enscape, VR)



The project aims to activate Vassar Street - the center axis of the campus - frontage, by opening up the entire ground floor elevation to the street, and by its publicly accessible programs, activities and transparency, which spills out to the site and landscape design along Vassar.



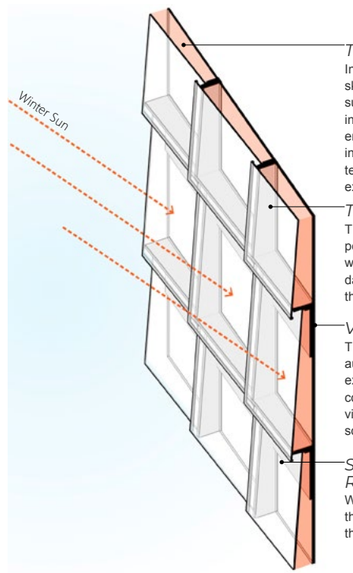


(up) Southern shingled "double-skin" facade, which balances high transparency with energy efficiency in tis closed-cavity composition of glass panels. The materiality of glass is further animated by shingling the panels and the visual effect of overlapping overhangs. (Rhino, Enscape)

Southern facade overfly transitions into western facade that employs similarly-proportioned panels of co-planar, insulated glazing with spandrels glass which provides an energy-efficient window-wall-ratio. (Rhino, Enscape)

Description
The new college of computing includes a mix of academic uses that totals approximately 174,000 (GFA), including offices, research laboratory spaces, academic classrooms, function/event space, collaboration and meeting rooms, a lecture hall and a community convening space and cafe that's open to the public.

The building design is comprised of two research pavilions, elevated above two levels of active, public, accessible uses. The shingled, closed-cavity glass facade on the south elevation breaks at the center of the building, providing views into a central zone of open stairs and collaboration spaces which connect the research wing pavilions. The collaboration center zone begins at the transparent, active street level, and continues up through the building to the signature event space at the rooftop level. On level 3-8, the building bridges over the railroad tracks north of the Project Site to create larger floor plates with appropriate floor to floor heights that accommodate the proposed institutional and research uses, and to enable future flexibility and expansion.



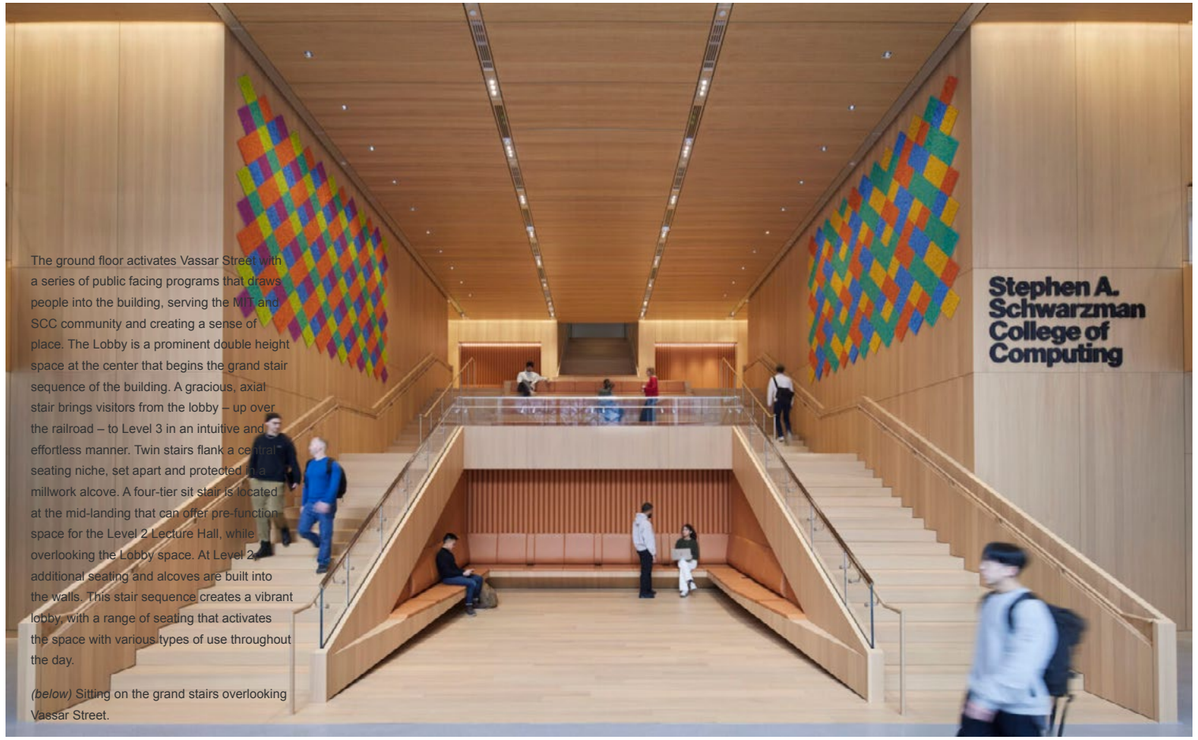
Thermal Insulation
In the winter, the air cavity on the double skin facade is heated by the low angled sun, proving an extra layer of thermal insulation reducing the building heating energy load. In the summer, the interior insulated glazing unit maintains the interior temperature. Hot air is allowed to slowly exit through exfiltration.

Transparency
The double skin facade has comparable performance to an opaque, insulated wall while offering building occupants access to daylight and views, and putting the life of the building on display form the exterior.

Visual Comfort
The double skin cavity is equipped with automatic roller blinds that are tuned to the exterior environment (sun position, cloud coverage, and season. The blinds improve visual comfort for occupants and reduce solar heat gain loads.

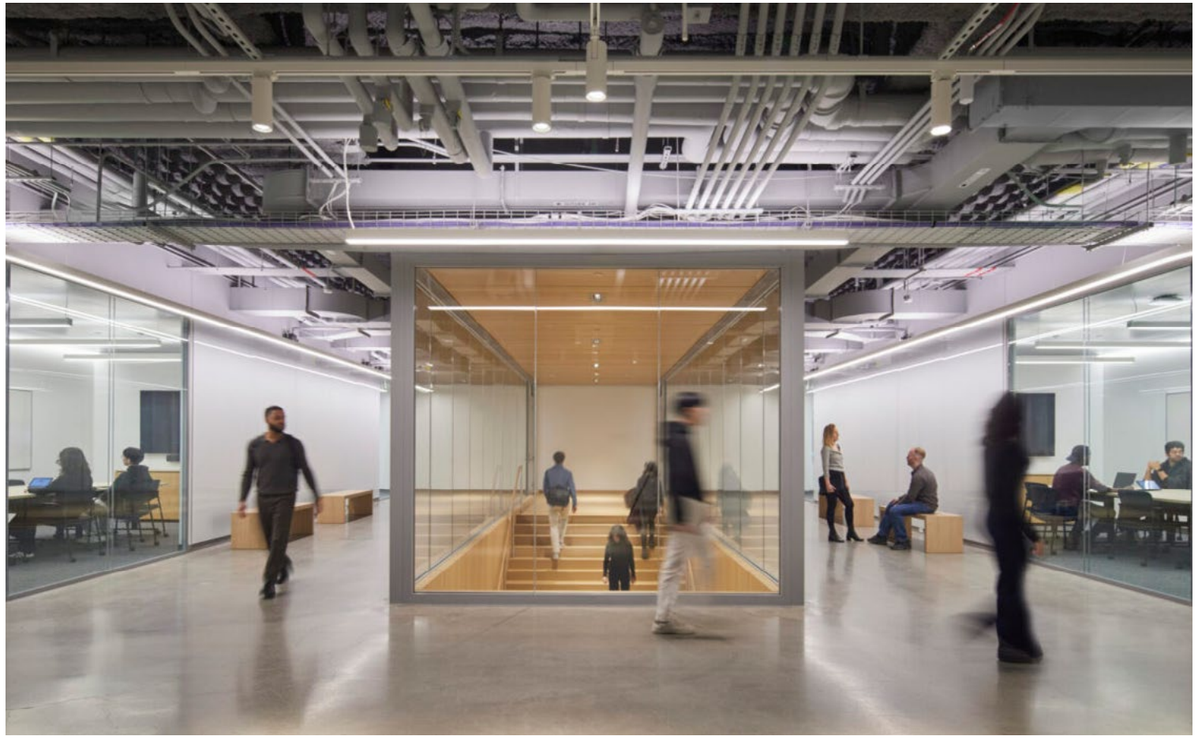
Skylight in the Public Realm
When viewed from the street, the angle of the shingled facade reflects more skylight than a traditional vertical glass facade.

Overall view of the southern facade. In response to the project's surrounding context of building facades - most having far greater opacity in their use of brick, concrete and stone, the college is an expression of prismatic glass that signifies a new transparency and engagement with Vassar Street corridor.



The ground floor activates Vassar Street with a series of public facing programs that draws people into the building, serving the MIT and SCC community and creating a sense of place. The Lobby is a prominent double height space at the center that begins the grand stair sequence of the building. A gracious, axial stair brings visitors from the lobby – up over the railroad – to Level 3 in an intuitive and effortless manner. Twin stairs flank a central seating niche, set apart and protected in a millwork alcove. A four-tier sit stair is located at the mid-landing that can offer pre-function space for the Level 2 Lecture Hall, while overlooking the Lobby space. At Level 2, additional seating and alcoves are built into the walls. This stair sequence creates a vibrant lobby, with a range of seating that activates the space with various types of use throughout the day.

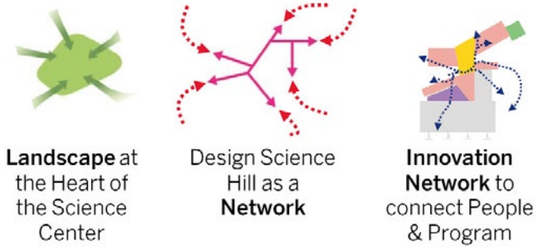
(below) Sitting on the grand stairs overlooking Vassar Street.



Building section that shows the concept of attracting ground traffic through a series of inter-communication spaces to the roof top event space or future expansion on Level 3. (Revit, Enscape)

(up) A fire-rated atrium entrance seamlessly connects the public ground levels to the laboratories on Levels 2 and 3. This design transitions from a polished, public-facing environment to a 'raw' space that fosters creativity and unrestricted flexibility.

WELLESLEY COLLEGE SCIENCE CENTER RENOVATION & EXPANSION



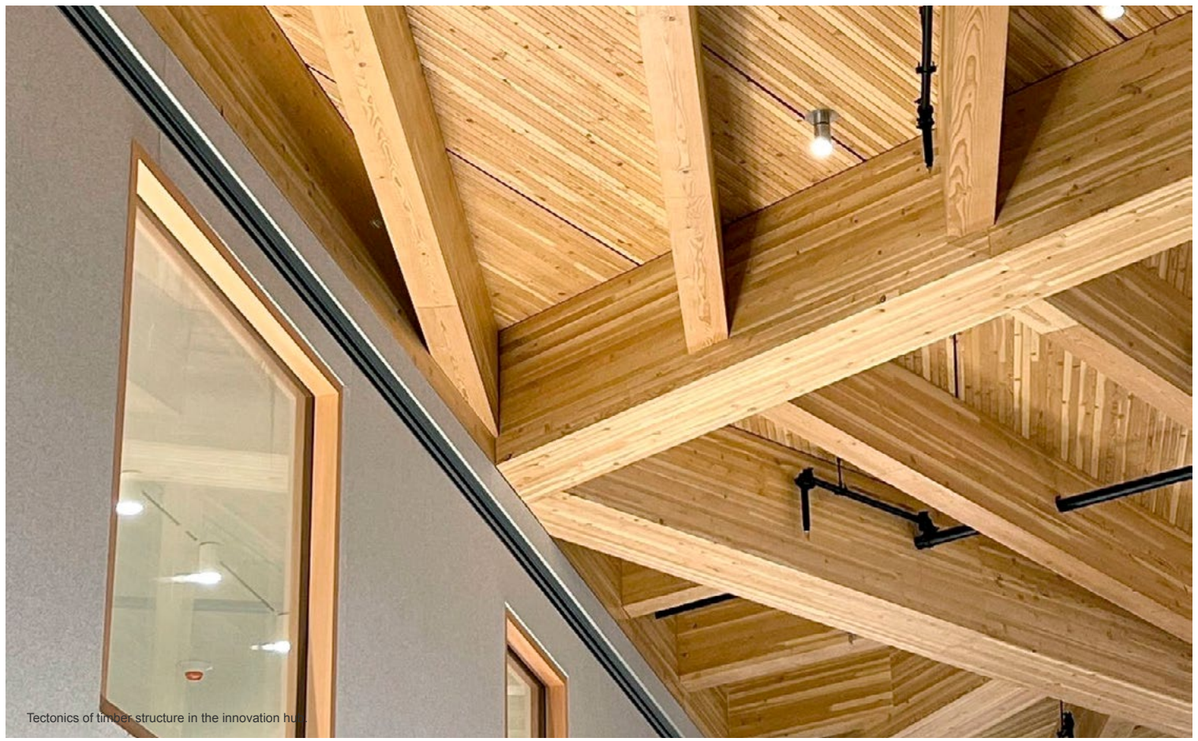
Professional Work, 2023 - 2024
ICON TECHNOLOGY

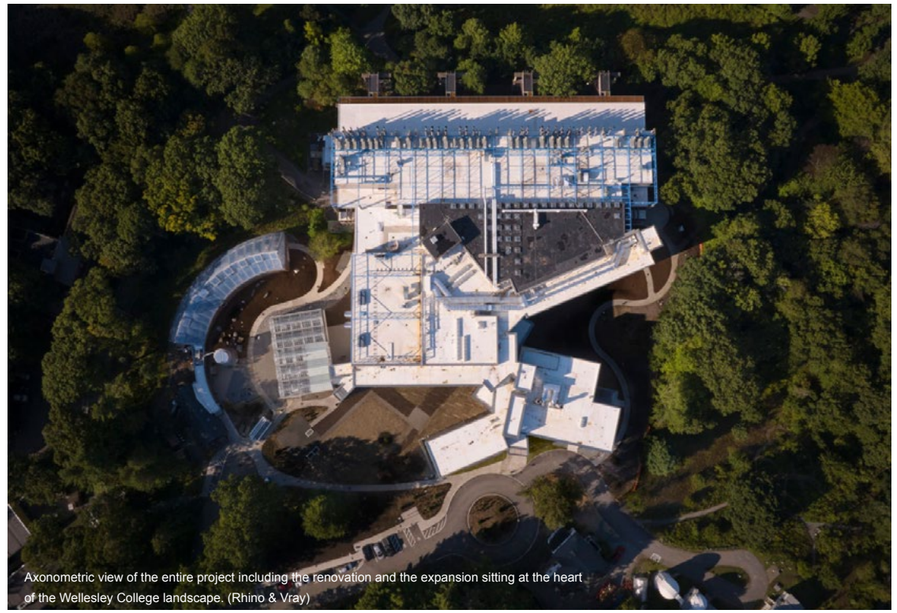
Role
Designer for New Expansion scope from SD to CD, including, all circulation spaces and elements including grand stairs with sit steps and communicating stairs (Revit, Dynamo, Enscape); Ceiling design for all spaces including ceiling technical coordinations (Revit);

Responsible for Design Assist coordinations with BensonWood on mass timber structure design and documentations; Responsible for coordinations and shop drawing reviews for all structural elements, misc. steel trades, and millwork.

BIM management for both Renovation scope and New Expansion scope from SD to CA. Holding weekly training sessions for both teams.

Description
The original Science Center comprises four existing structures sitting at the top of the Wellesley College landscape. After 3 years of programing analysis and exercises, the final proposal of demolishing the oldest structure Sage Hall while reserving the center atrium space Focus, and replacing it with a new addition that will transform the Science Center into a crossroad for the campus took place. The design concept of “living laboratory” with strong connections to the surrounding landscape and facilities on Science Hill, creates a innovation network. The design opens up the Fortress-like buildings to the outdoors, and also introduces two new gardens that will be used for scientific and ecological pedagogy.


Tectonics of timber structure in the innovation hub

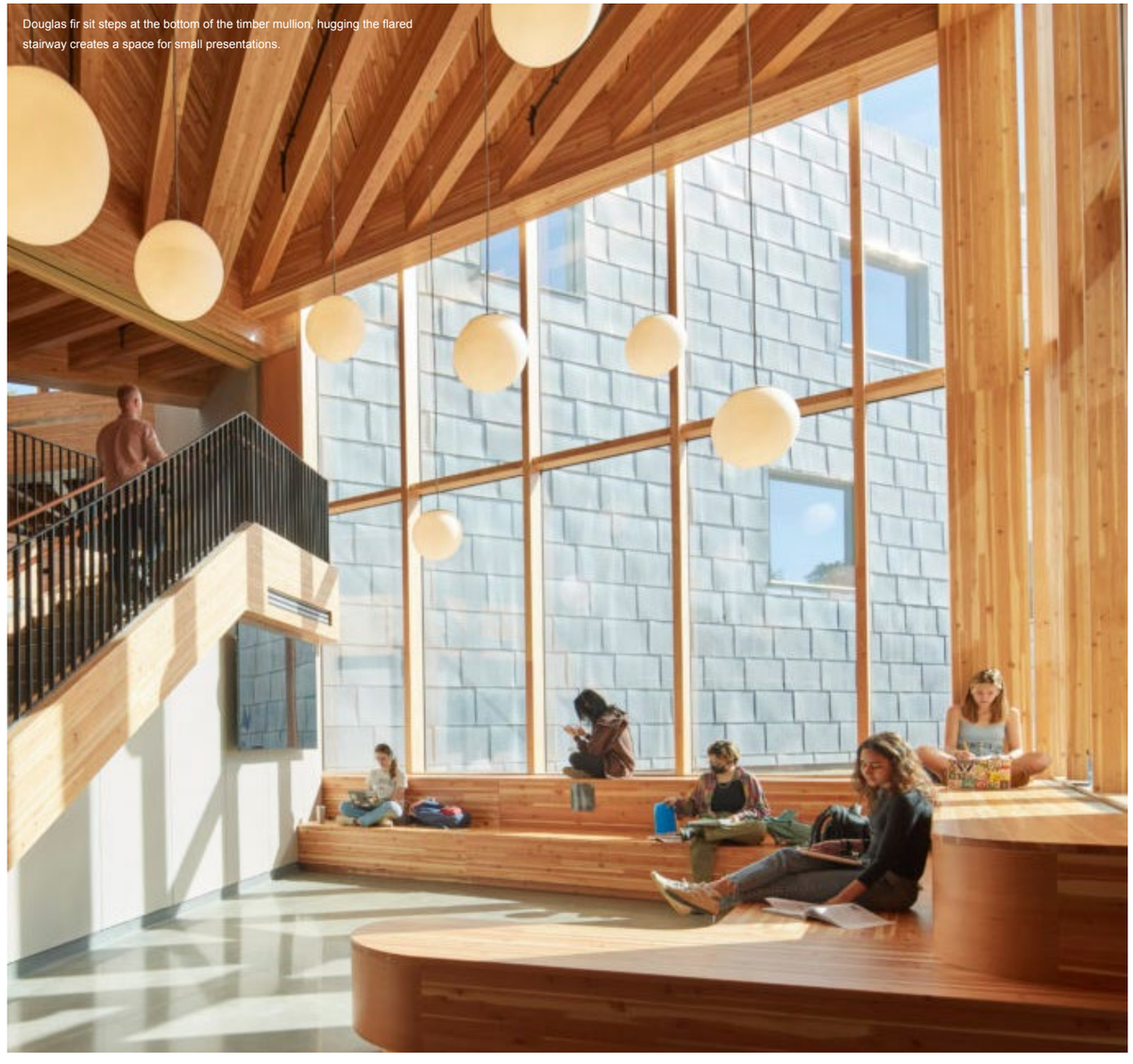

Axonometric view of the entire project including the renovation and the expansion sitting at the heart of the Wellesley College landscape. (Rhino & Vray)

The renovation will include new offices, meeting spaces, classrooms, a renovated vivarium and core research spaces. The Innovation Hub, a cluster of interdisciplinary teaching labs, will provide spaces to explore new pedagogies and put scientific work on display. The New Addition will include 2 wings of faculty offices, a new lecture hall looking into the Focus, a new green house and gardens that will be a part of the new Center of the Environment, which will become the headquarters for campus-wide initiatives on sustainability, ecology and the environment.

Innovation Hub near completion. The faculty ‘boxes’ that are served as a continuation of the existing structure and the newly placed research ‘boxes’ forms the village pathway - innovation hub - is built as a Type IV construction within Type IIB structure. The use of mass timber structure was the an attempt to approach net-zero architecture. The New Addition was a LEED Platinum project.

(below) Innovation Hub in use. The inside-out design concept is visible in this image. The interior ‘facade’ of the research wings uses fabric wrap panel on the upper portion for acoustic performance and tack board at traffic level to promote student collaboration.

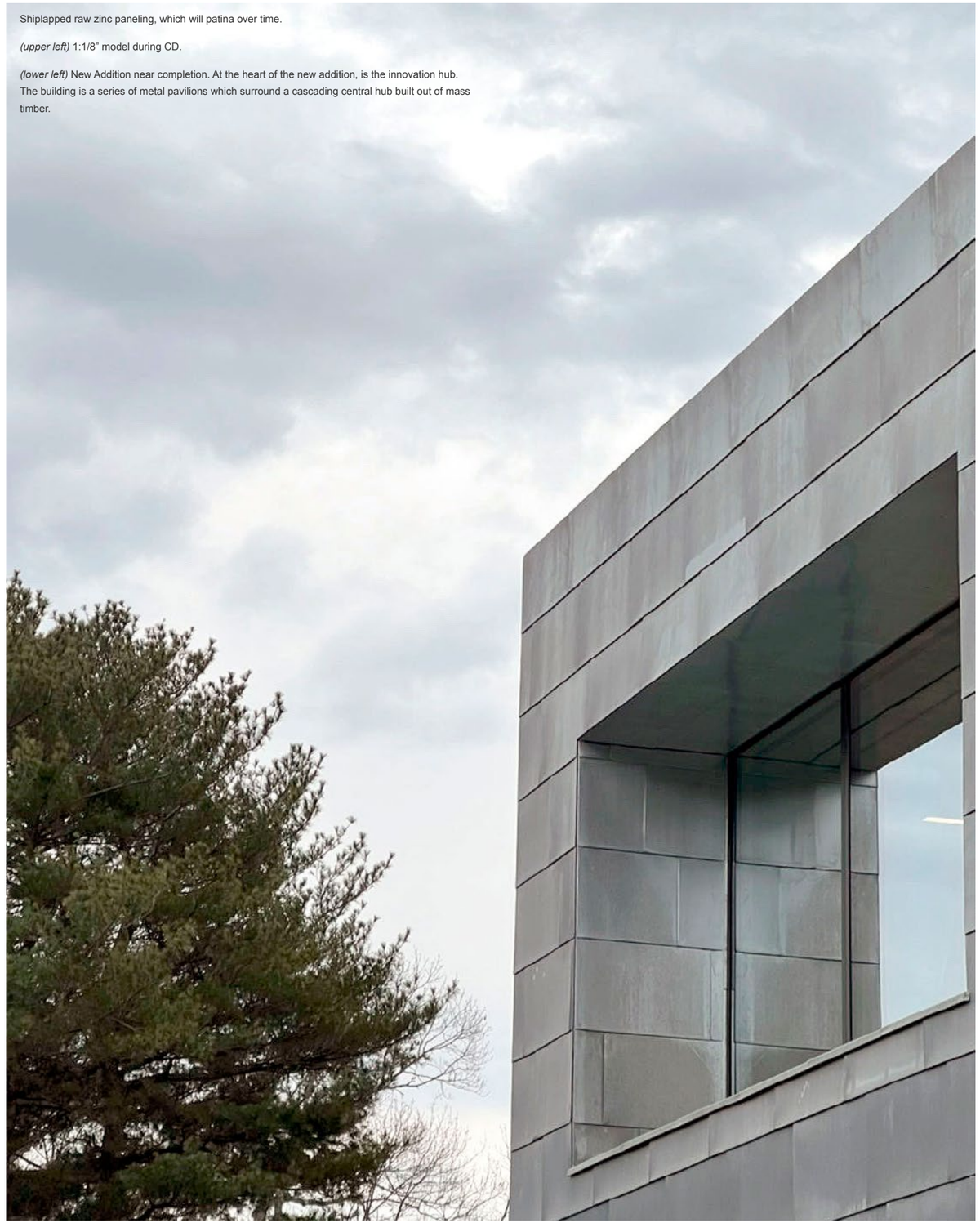
Douglas fir sit steps at the bottom of the timber mullion, hugging the flared stairway creates a space for small presentations.



Shiplapped raw zinc paneling, which will patina over time.

(upper left) 1:1/8" model during CD.

(lower left) New Addition near completion. At the heart of the new addition, is the innovation hub. The building is a series of metal pavilions which surround a cascading central hub built out of mass timber.



NANJING TRADE CENTER WORLD TOWER

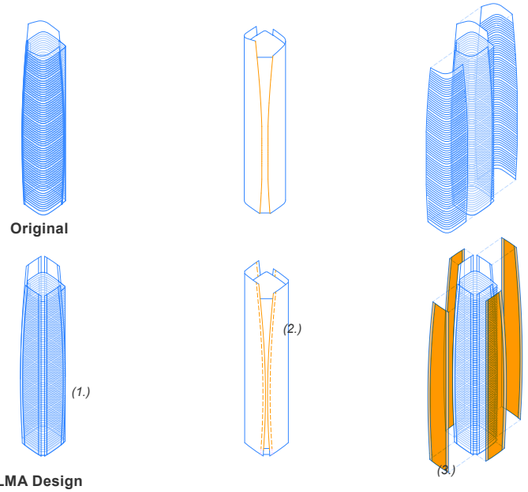
Professional Work, 2016 - Present
LMA DESIGN, LLC

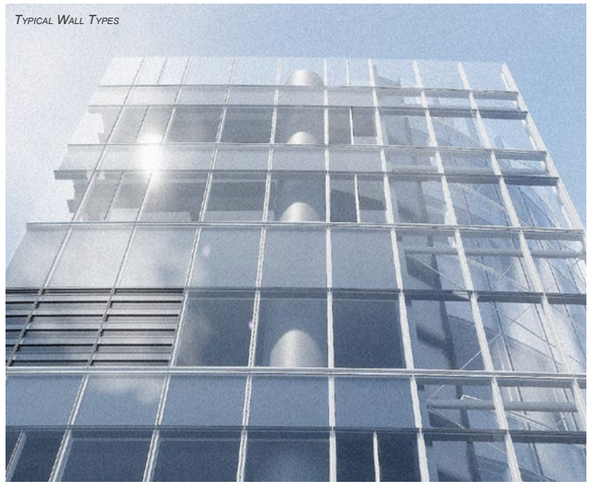
Scope
BIM Manager, Architectural Designer, Re-cladding Concept Design to 50% CD (Revit, Dynamo, Rhino), Proposal Illustration (Revit, Illustrator, InDesign).

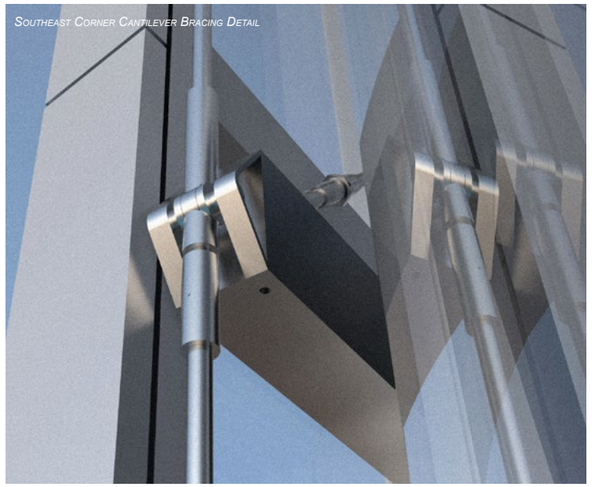
Collaborators
Liming Chin (Principal), Xiaoxue Xiao, Zhuo Guo

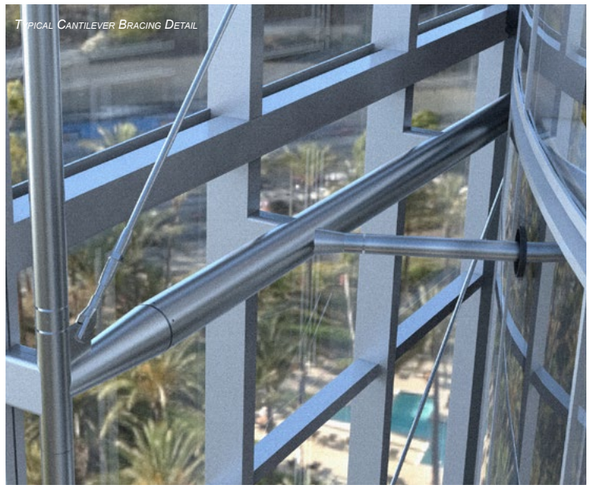
Description
This is a re-cladding project for a 67 story office tower in the center of Nanjing, China. The tower is 343.1m / 1,125.7ft and 151,100 sqm / 1,626,427 sqft. The proposal is aim to re-shape the massive rounded tower with cantilevered curtain-wall extension that opens up all four corners to embrace the rigidity of its formal expression while unifying the tower from the podium (designed by LMA) (3.). The new proposal possesses a seemingly seamless glass veil to the brute concrete structure behind it by eliminating the decorative characteristics of exposed vertical and horizontal fins (1.). And the tapered edging extension seeks to contrast its shell to the core in addition to employ tectonic complexity from high-tech detailing (2.).

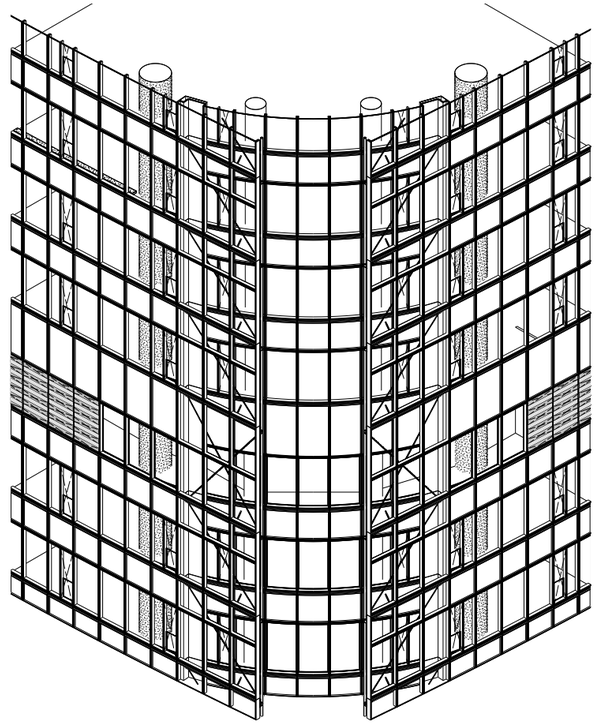
Role
Responsible for BIM management and modelling, and projects' day to day coordination with curtain wall consultants, LDI and clients.
Worked on detailing curtain wall and cantilevered structures with the curtain wall consultants. Studied different options of assemblies of the curtain wall panel units and produced study models of connectors.
Producing construction documents, coordination sketches, presentational materials; reviewing shop drawings.
Trouble shooting and training the office with Revit & Dynamo.

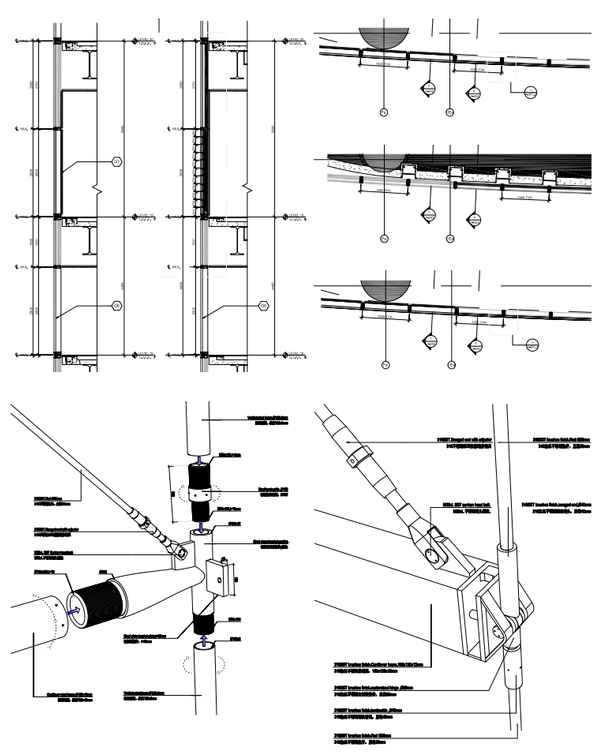




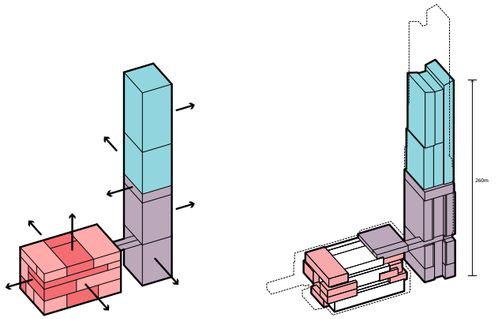


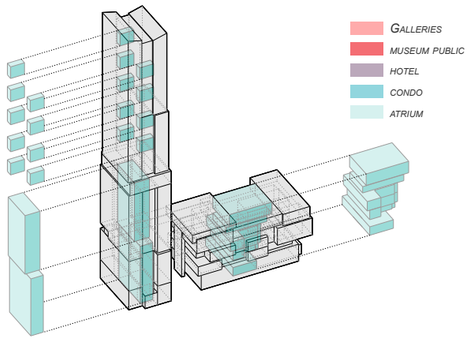






DEJI PLAZA PHASE 3





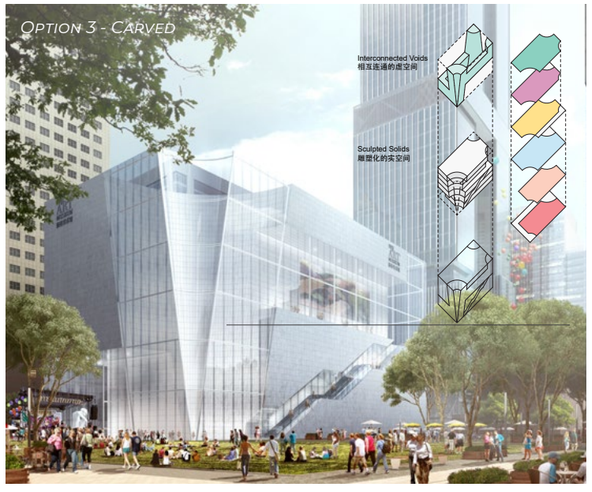
PROFESSIONAL WORK, 2015 - 2017
LMA DESIGN, LLC

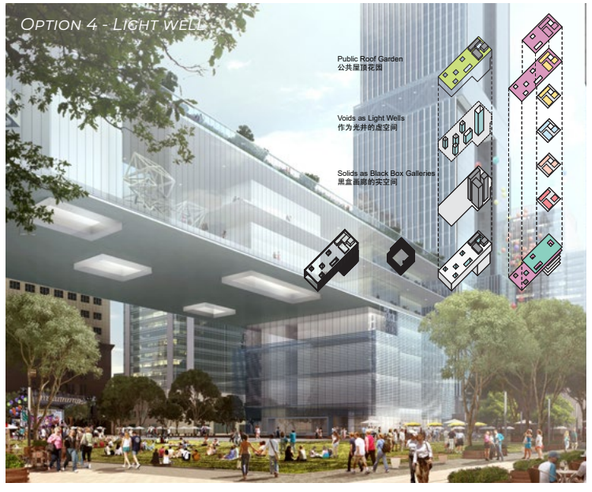
SCOPE
BIM Manager & Architectural Designer, Conceptual Design (Rhino), Schematic Design (Revit), Design Development (Revit), Proposal Illustration (Revit, Illustrator). Area Calculation (Revit & Excel)

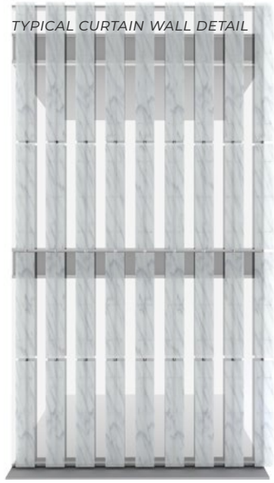
COLLABORATORS
Liming Chin (Principal), Xiaoxue Xiao, Zhuo Guo

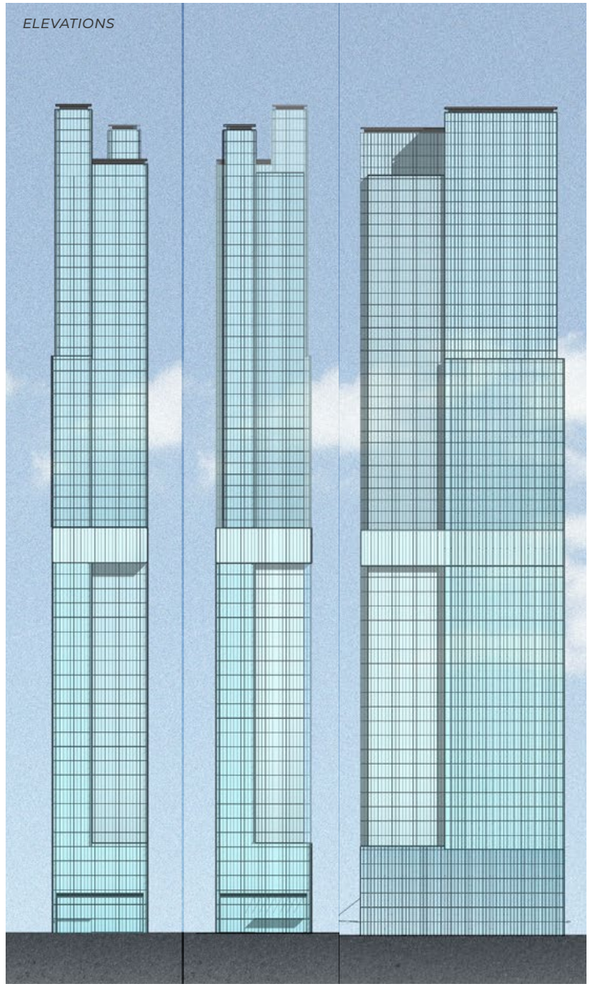
DESCRIPTION
Located at the city center of Nanjing, Deji Plaza phase 3 is an extension of the two other retail malls on the same block. It is programmed as a private collection museum and a mixed-use tower combining hotel and residential with an overall project size of 95,000 sm. The mixed-use tower is intended to echo with the Deji Plaza phase 2 tower while the museum aims to announce its presence as an architectural attraction of the city.

ROLE
Responsible of transferring the project from CAD to Revit, managing all BIM related matters within the project, modeling and drafting in Revit for all purposes.
Rhino modeling and presentational material production.
Conducting schematic plan layout studies for the museum, hotel and condominiums, structure option studies.









NANJING WORLD TRADE CENTER (RETAIL PODIUM)

Professional Work, 2015 - Present
LMA DESIGN, LLC

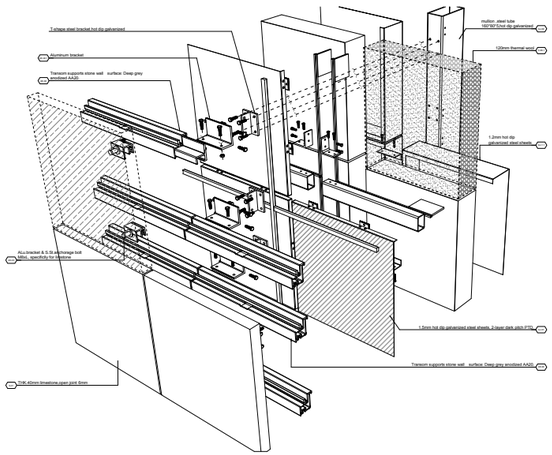
Scope
Architectural Designer & BIM Manager, Design Development (Rhino, AutoCAD), Construction Documentation (AutoCAD), Contract Administration. Coordinations with clients, consultants, LDI & contractors.

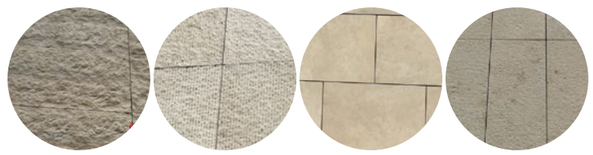
Collaborators
Liming Chin (Principal), Xiaoxue Xiao

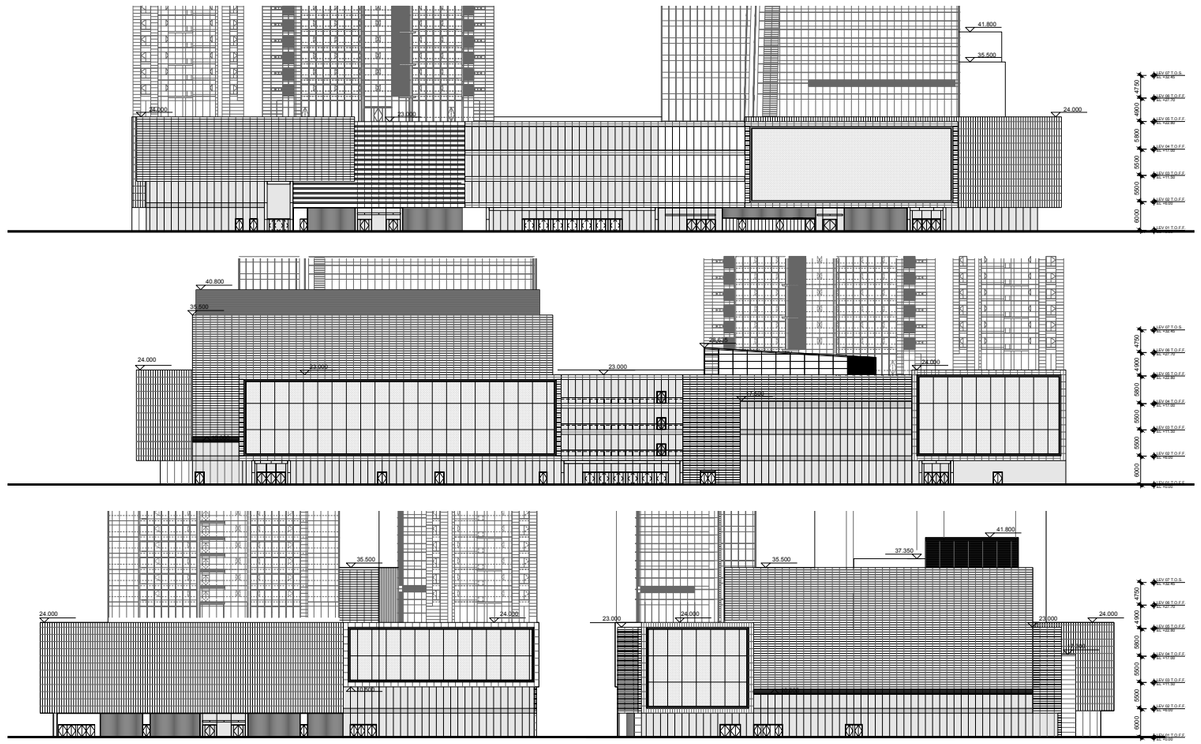
Description
Located in the new business district of Nanjing, Hexi - CBD, The 71,000 square meter (764,000 sq. ft.) Retail Podium of the Nanjing Deji World Trade Center Retail Podium project houses high end luxury brands. The retail podium incorporates a series of towers that were separately designed and includes residential and hotel uses.

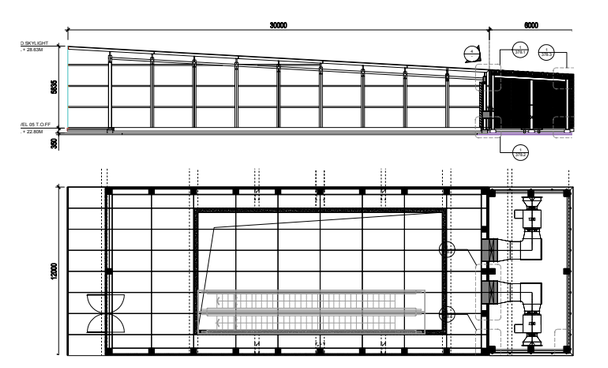
The design incorporates separate massing elements compositionally arranged to maximize its presence within the surrounding context.

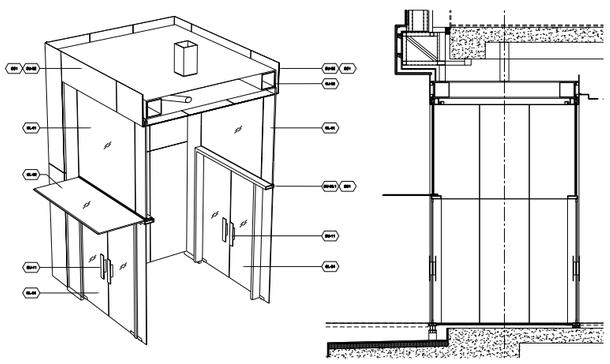
The use of similar stone differentiated by the finish helps to unify the retail podium. The design is related to Deji Plaza Phase 3 as an extension of the Deji Brand.



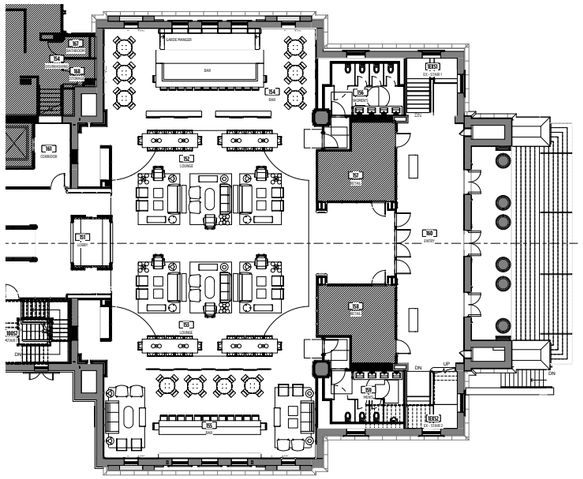








THE LINE DC - ADAMS MORGAN

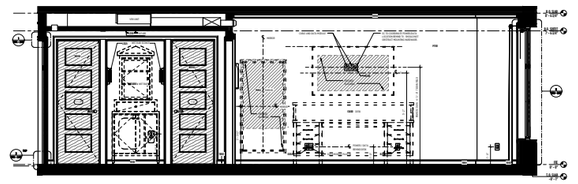


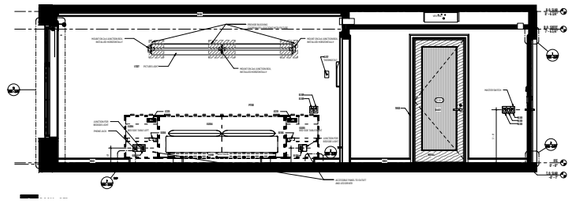
Professional Work, 2013-2015
Incorporated Architecture & Design

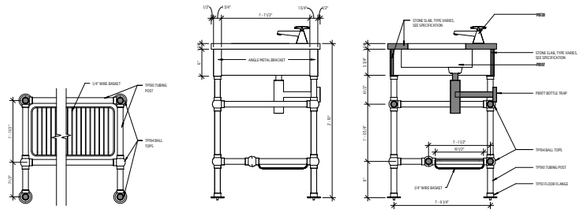
Scope
Junior Architect, SD to CD (Revit), Model Room CD (Revit), Furniture detailing, modeling and FF&E specification (Revit),

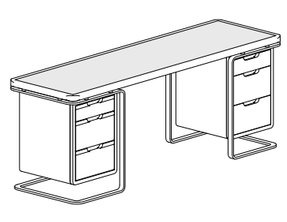
Collaborators
Gabriel Benroth(Principal), Adam Rolston (Principal), Hilary Fulmer (Project Manager), Louisa Brown (Interior Project Manager), Moe Askarzadeh, Anthony Zamplin

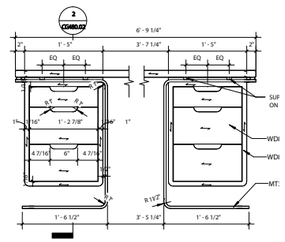
Description:
Located in Adams Morgan one of Washington DC's most diverse neighborhoods, inspired by the district and housed inside a 110-year old historic church, the LINE DC aims to deliver a richly layered experience of old & new, young & established, local & global. The church interiors were re-purposed to include the hotel lobby, two bars, two restaurants and banqueting spaces. A new INC designed old school mid-rise masonry building was developed at the rear of the property, for the hotel rooms. Imagined as the "parsonage" or "seminary" backdrop to the church's iconic figure, the new structure was elaborated as a back-to-the-future homage to the history of the site.

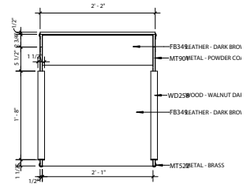


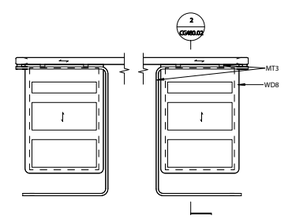


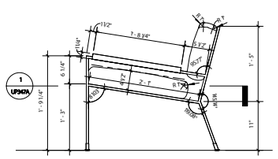




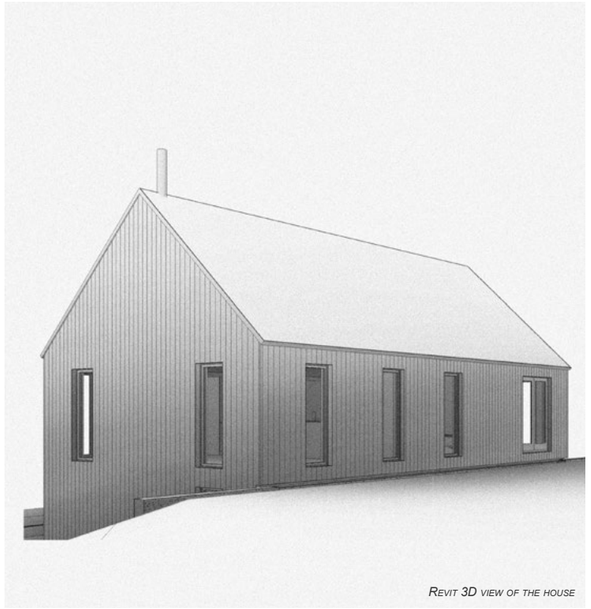








OVERLOOK HOUSE



Revit 3D view of the house

Professional Work, 2013-2014
Incorporated Architecture & Design

Scope
Junior Architect, Concept design to schematic design (Revit), Proposal Illustration (Revit, InDesign).

Collaborators
Adam Rolston (Principal), Gabriel Benroth (Principal), Boer Deng

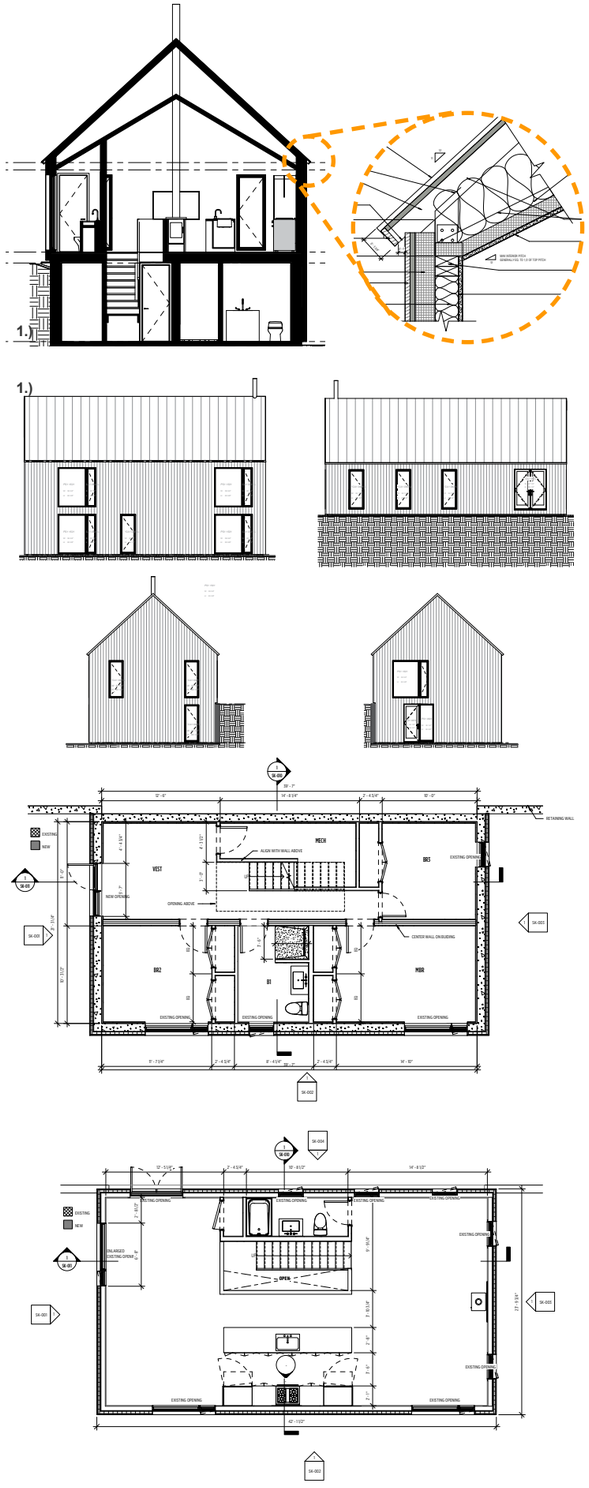
Description
This 1,760-square foot home in at the foothills of the Berkshire mountains was a renovation of a “Hideous Ranch” home purchased as a “fixer-upper”. Only the foundation was retained of the original structure located on Overlook Road in Hillsdale, New York. It’s single redeeming characteristic being the home’s orientation, which is nicely related to a view. True to its sub-urban typology the house had a full “walk-out basement” with living spaces on this lower level and several bedrooms on the upper one.

Photograph of the house with the [illegible]

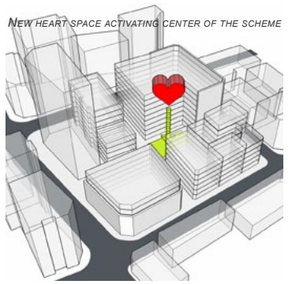
Photograph of the backside of the house

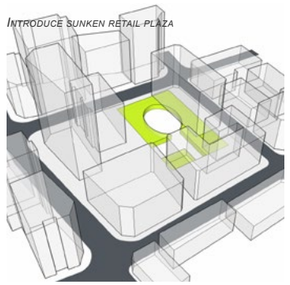
Photograph of living room

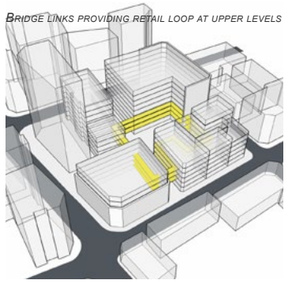
Photograph of kitchen

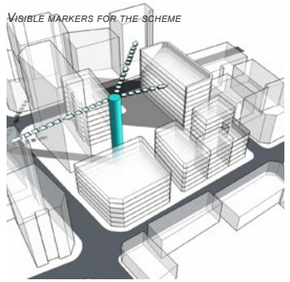


THE BUND X-CHANGE


New heart space activating center of the scheme


Introduce sunken retail plaza


Bridge links providing retail loop at upper levels


Visible markers for the scheme

Professional Work, 2011 -2012
Building Design Partnership (BDP)

Scope
Assistant Architect, Concept Design (SketchUP), Model Making, Supervision on professional rendering and model making, Presentation Illustrations (SketchUp, Illustrator)

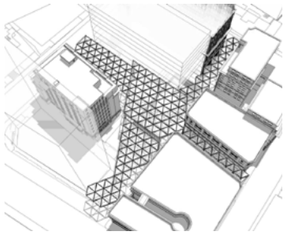
Collaborators
Ken Moth (Principal, Head of Historic Preservation), Peter Coleman (Principal), Tim Leach (Architect Director), Jeremy Farrington (Office Director), Tao Wang (Senior Architect), Jude Ho, Alex Sung, Adam Wu, Waimond Ip, Qianru Ouyang.

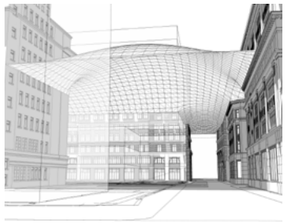
Description
The project is situated along a key retail axis within Shanghai, directly connecting the historic Bund with the famous Nanjing Road. As such the importance of movement into the site and to unify it with the grain of the city is paramount.

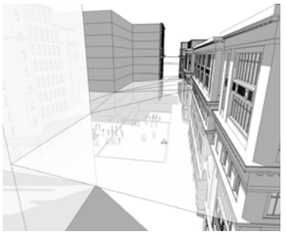
Following the design studies, it was obvious there are significant issues when abutting the existing buildings caused by a inconsistent datum to the springing point added to this was the visual disconnection caused by the canopy restricting news to the historic buildings. The solution was to raise the canopy above all the buildings to form a unifying element that dose not impede on the visual appearance of the existing façade.

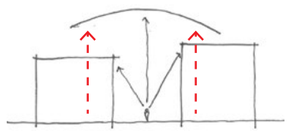
3 facade treatment options are studied and these respond to different requirements of the site, functions and context to in- form a re-creation of the historic fabric, a modern re-interpretation of the adjacent buildings architecture, or a contemporary intervention.

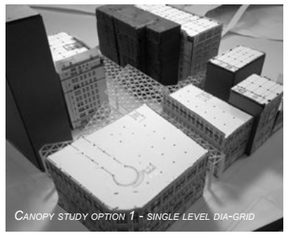

Professional Rendering of the bund x-change at night





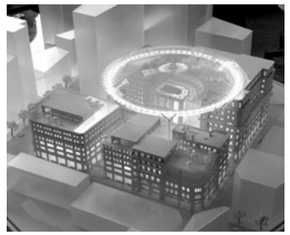


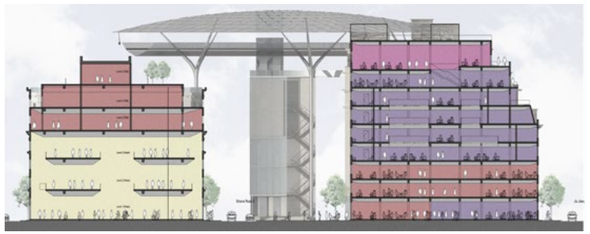


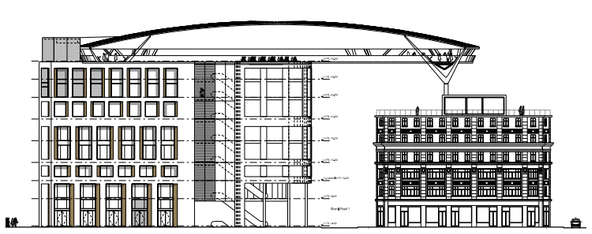

Canopy study option 1 - single level dia-grid

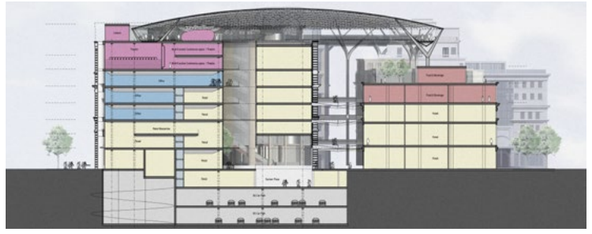

Canopy study option 2 - curved responding to building lines


Canopy study option 3 - angular responding to building lines










Preferred modern interpretation of facade for new build along Jiu Jiang Lu