



Ck architecture & design
PORTFOLIO

Carrie kramer Associate AIA

About Me

Carrie Kramer, Architect & Designer



Greetings! Thank you for taking the time to review my work.

The first and most important thing to know "about me" is that I love to create. Designing, drawing, sketching, modeling, writing, visioning, strategizing, and so on...

However, what I both enjoy and revere most about the practice of architecture, is the complexity and essential function of the task. To witness the interplay of space, form, and function with human experience and its engagement with nature is indeed phenomenal. A process for which I feel privileged to take part in.

Furthermore, I hold the belief that within each design task exists a unique opportunity to activate the built environment within its context, infusing the experience of the inhabitants with an architecture that speaks to the essence of its place and time.

Therefore, it is logical to look to biological forms, systems and materials to inform the design process, with the assumption that these images would evoke a positive response from inhabitants.

As such, the following collection of selected projects exhibit concept drivers deeply rooted in natural forms and sustainable concepts with the objective to carry these themes throughout the design and detailing of the landscape, exterior envelope and interior spaces of each project.

Lastly, yet certainly not least to mention, is the team aspect of the professional projects presented in this collection of work. I owe a debt of gratitude to the mentors, professional colleagues, and educators who've taught me to seek creative solutions with enthusiasm, an open mind, curiosity, and willingness to value collective goals over individual ones. These projects exhibit the achievements of those collective goals. Where relevant, I've noted my individual role within the team structure.

Thank you for your time and interest. I hope to speak with you soon



Carrie Kramer, Associate AIA

"Alone we are one drop.
Together we are an ocean."
-Ryunosuke Akutagawa

Experience

Market Sector Experience

2018 - Present	U+ Design Partners www.ud-arch.com	Healthcare, Recreational, Commercial Office Highrise, headquarters, and mixed-use, Residential Master Planning, Adaptive Re-use
2017 - 2017	Gant Brunett Architects	Commercial, Adaptive Re-use (Historic - Urban), Recreation, Office Headquarters
2016 - 2016	PGN Architects	Multi-Family & Mix-Use
2015 - 2016	Jonathan Nehmer & Assoc.	Hospitality
2010 - Present	CK Architectural Consulting	Commercial - Bid Consulting Residential Single-Family



MIXED - USE OFFICE



AI Office Park - 2018



Inspiration I-Park - 2020



Buisness Center 2018



Yanghe Hdq. 2018



Water Nav. Bureau 2021

CORPORATE OFFICE

live work gather transform

Selected Projects

2018 - 2021 (U+ Design Partners) www.ud-arch.com

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AWARDS

AI Office Park - Phase I
2021 AIA NOVA Award of Excellence (Commercial Architecture)

Pukou Hospital
2020 AIA NOVA Award of Excellence (Unbuilt)

Yanghe Global Headquarters
2019 AIA NOVA Award of Excellence (Unbuilt)

Memorial to the Ancestors
2011 AIA DC Award of Excellence - Travis Price Architects (category unknown)

HEALTHCARE



Pukou Hospital - 2019



Jiangbei Womens - 2019



Health City CCRC - 2020

MIXED-USE SPORT & CULTURE



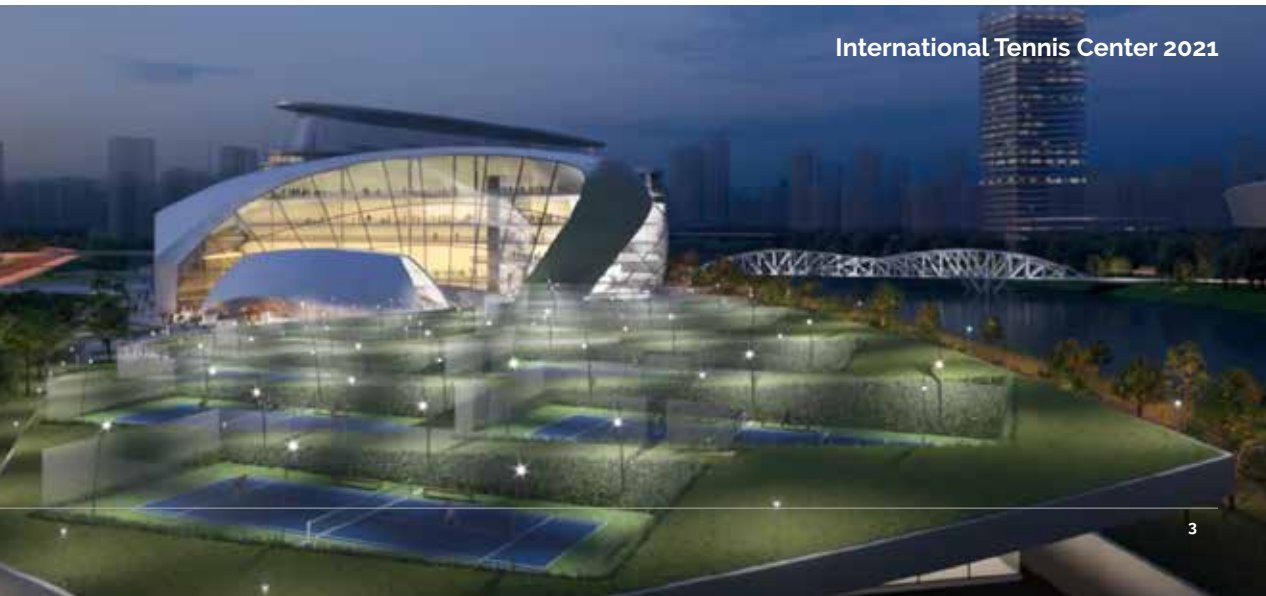
Tennis Center - 2021



Lishui Sport - 2021



Sport & Culture - 2018



International Tennis Center 2021

AIA NOVA Award of Excellence - 2019 (Unbuilt)

Tower floors (1 Restaurant, 2 Hotel, 18 Office, 2 rooftop lounge & event) Podium floors (4 Event/Conferencing, Cafeteria, rooftop sports deck, other amenities) & underground parking

James W. Tilghman, AIA (Principal)

Details Development - Rooftop Sky Lounge

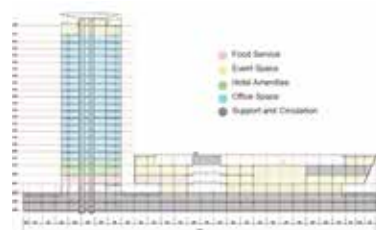
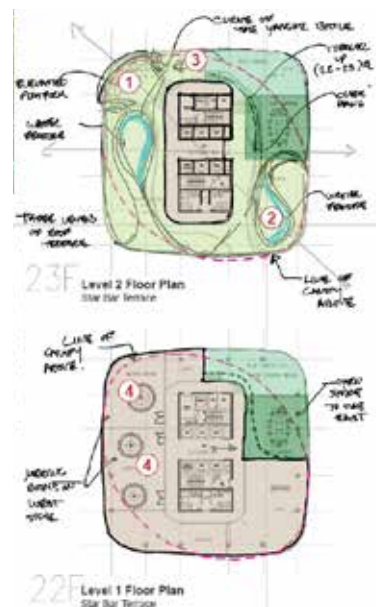


The Yanghe global headquarters project is sited on an important Blvd. in Nanjing, China. Just steps from Alibaba Site, Financial Center, Youth Olympic Center (by Zaha Hadid) and the landmark, Nanjing eye. Our client, Yanghe (the third largest white wine company in China) no doubt chose this site for its prominent position along this prestigious boulevard. **Accordingly, the design team understood this new headquarters to be a unique branding opportunity for our client on the urban skyline.**





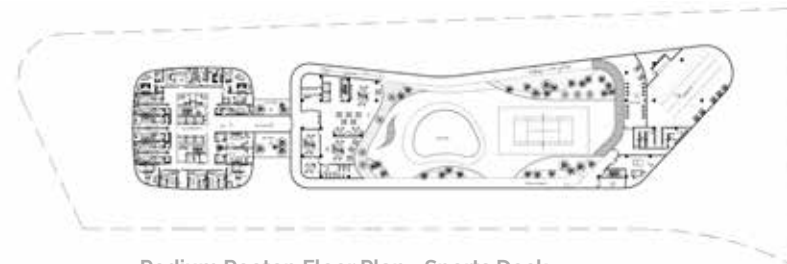
ABOVE: View of river mountain blvd and the Nanjing eye from the rooftop sky lounge. Here we see two levels of restaurant, lounge, events, and product display spaces. BELOW: Shows process diagrams for the development of the Sky Lounge Experience, to include terraces, observation deck, and water features.



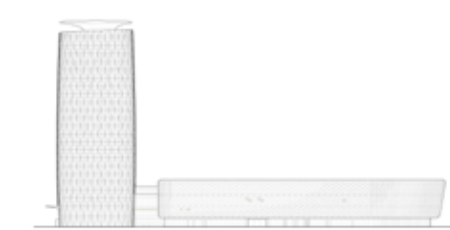
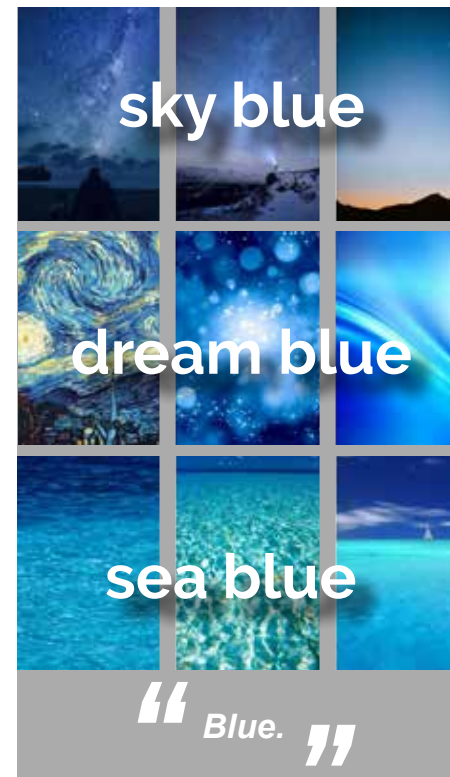
Program Section



Typical Office Floor Plan



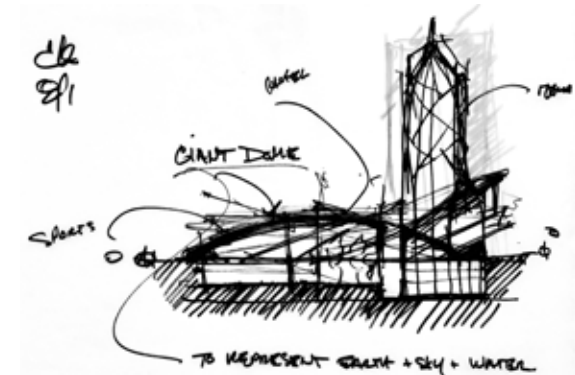
Podium Rooftop Floor Plan - Sports Deck



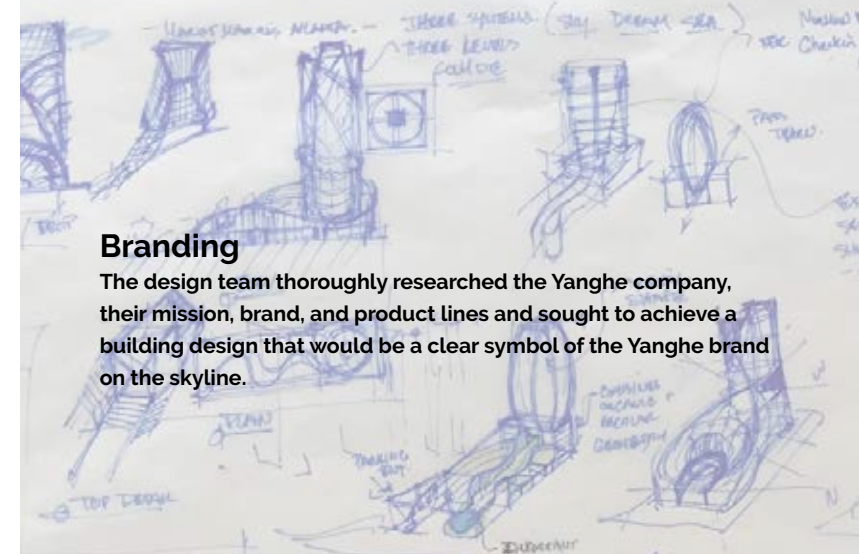
Building Elevation



A Lively Sports Activity deck includes tennis, swimming and fitness garden.



During the brainstorm stage of the project, the design team experimented with various tower and podium forms. The above sketch shows a proposal for a "giant dome" to protect what would later become the podium sports deck.



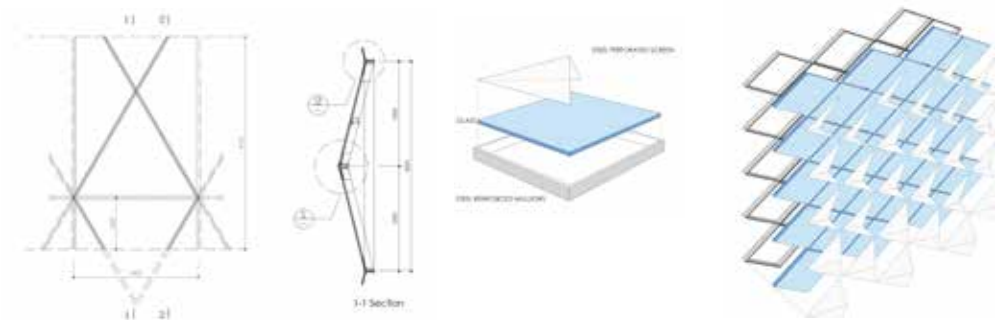
Branding

The design team thoroughly researched the Yanghe company, their mission, brand, and product lines and sought to achieve a building design that would be a clear symbol of the Yanghe brand on the skyline.



RIGHT: Fish and Bird by MC Escher was an inspiration for the tower skin.

FAR RIGHT: Facade details for the tower as well as for the podium. The tower employs a diagrid that is tilted out, creating a 3 d effect on the horizon.



“ Like a jewel in the night sky... ”

Pukou Hospital

AIA NOVA Award of Excellence - 2020 (Unbuilt)

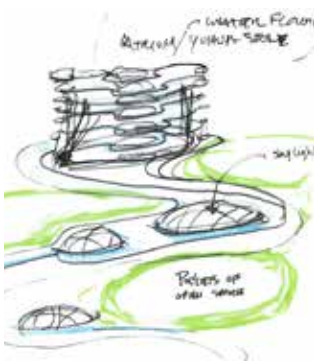
Scope:
Full Service Hospital (Inpatient, Outpatient, Emergency & Administrative Support)

Area:
371, 753 m2

Lead Design Firm:
U+ Design Partners, Mclean VA
James W. Tilghman, AIA (Principal)

Collaborative Partners:
Wilmot Sanz Architects

Role:
Competition Team Member
Schematic Design
Details Development Lead
Healthcare Optimization
Design Process Managment



The Pukou Hospital Building, would be the Phase III of a 3 phase campus build out, however several years had passed since the original phase 1 & 2 buildings had been erected and were of a style that was dated and in need of repairs. Rather than suggesting demolition of the existing structures, our team proposed to keep the structures intact and offered a more sustainable proposal for campus master planning and façade renovation that would correspond with the architectural language of the new Phase III General Hospital Building. Therefore, an important initial challenge was to complete the campus master plan with a unifying scheme and architectural language.

Urban design solutions at multiple scales as well as the interworking's of a complex program of needs for emergency and visitor access to the site presented unique challenges for this hospital expansion project. The optimum scheme to achieve this goal was to situate the tower along the farthest most edge on the north property line. Conversely, the south side of the podium provide a curved geometry that would cradle the inside of a newly formed “forest” park space for the whole campus to enjoy.

As the building massing developed, three key metaphors emerged that would inform the details of the project and solidify the architectural language of the campus with a common theme:

“Sky”, “Waterfall” and “Forest”

Each driver served to invite a sense of breath into the campus by celebrating the many life-giving elements found in nature; recognizing their important role to heal and sustain human life.





ABOVE: Aerial view of final masterplan render shows a campus unified with a common green “forest” central park garden. The Pukou Hospital Project was the result of a **highly collaborative design process** that required close engagement with our Associate Architect who advised on healthcare and medical planning. Several charette sessions were conducted to brainstorm concepts and master planning strategies with teams from both firms.

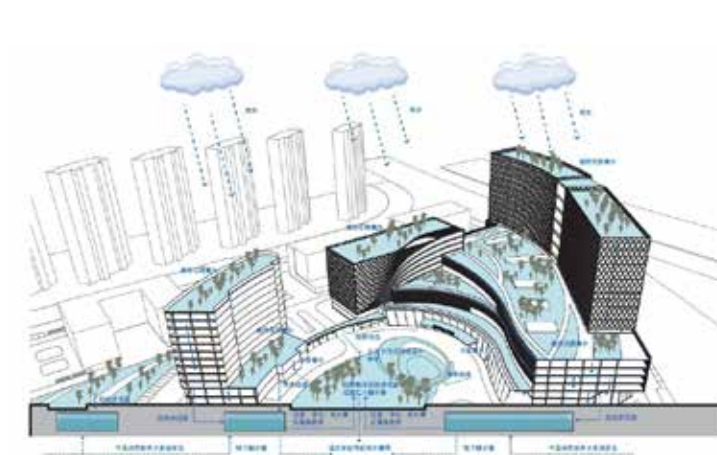


Emergency Entrance Along Main Blvd.



forest

LEFT: The “forest” becomes part of the interior environment through the two level glass concourse which connects the four major departments.



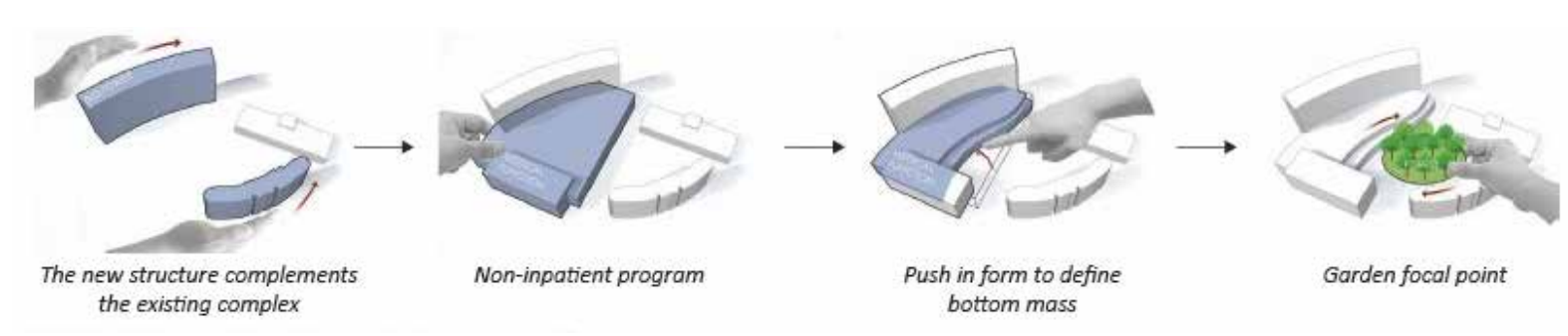
Rainwater collection is just one of the many sustainable solutions employed by the campus design. Other passive and active strategies include daylighting, infiltration basin and green roofs.



waterfall

“Sky”, “Waterfall”, and “Forest”, each serve to invite a sense of breath into the design by celebrating the many life-giving elements found in nature; recognizing their important roll to heal and sustain human life.

The city of Nanjing is ideal for the exploration of natural themes applied to architectural design, as it is the home to several geographic and cultural landmarks. Bordered by the famous Yangtze River, water is an important part of the natural experience and culture of the city. As well, the city is bordered by the majestic Lao shan mountains that quietly occupy the western horizon with a sense of strength and permanence. Leveraging the natural features on site as well as maintaining views of these two natural landmark features is always a priority when designing buildings in Nanjing City



For more see my white paper draft:

“Hospitals that Breathe”

Connecting to nature in the design of healthcare facilities ([click here](#))

sky



A series of canopies and covered walkways were designed to unite the complex and provide visitors with a comfortable means of travel between buildings. Later in development, the canopy would expand and become an important design feature.

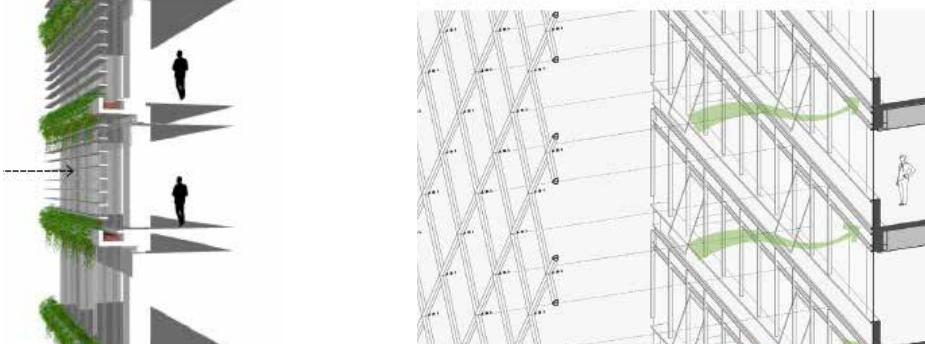


AIA NOVA Award of Excellence - 2020 (Unbuilt)



ABOVE: The canopy design was in integral part of the design details development, as more shading was needed for the interior park space surrounding the building.

“ Yale University researchers found that being in nature reduced feelings of isolation, promoted calm, and lifted mood among patients. **”**



ABOVE: Facade details sought to incorporate green elements with shading devises on the podium, as well as on the tower facade, employing a delicate diamond patterned lattice-like screen that reaches up to the sky.

AI Park - Phase I

AIA NOVA Award of Excellence - 2021 (Commercial Arch.)

Scope:
Office Headquarters and Multistory Factory

Area:
114,451 m2

Lead Design Firm:
U+ Design Partners, Mclean VA
James W. Tilghman, AIA (Principal)

Role:
Details Development Lead - Interior Core

For the AI Park Phase I Project, our team decided to take a unique approach to the Interior Public Space Design that would capture elements of the exterior concepts and invite this language into the interior environment, hence sparking a conversation between the two. In order to accomplish this goal, "Nature" has provided a strong focal point and guide post for our design methodology. With it's tactile, gentle relationships that ignore the confines of enclosure, the team had much to draw from.

With this intention, the team sought to employ thoughtful concepts with simple architectural solutions. In this way, natural light is leveraged to its greatest extent while accent lighting is asked to further infuse the interior spaces with a dynamic presence. A visitor may expect to enter a pristine space which celebrates entry and movement with contrasting natural materials that are punctuated with moments of surprise and interest.



Three key concept drivers were employed to connect the interior details to the exterior concepts.



Raindrops



Sun-rays



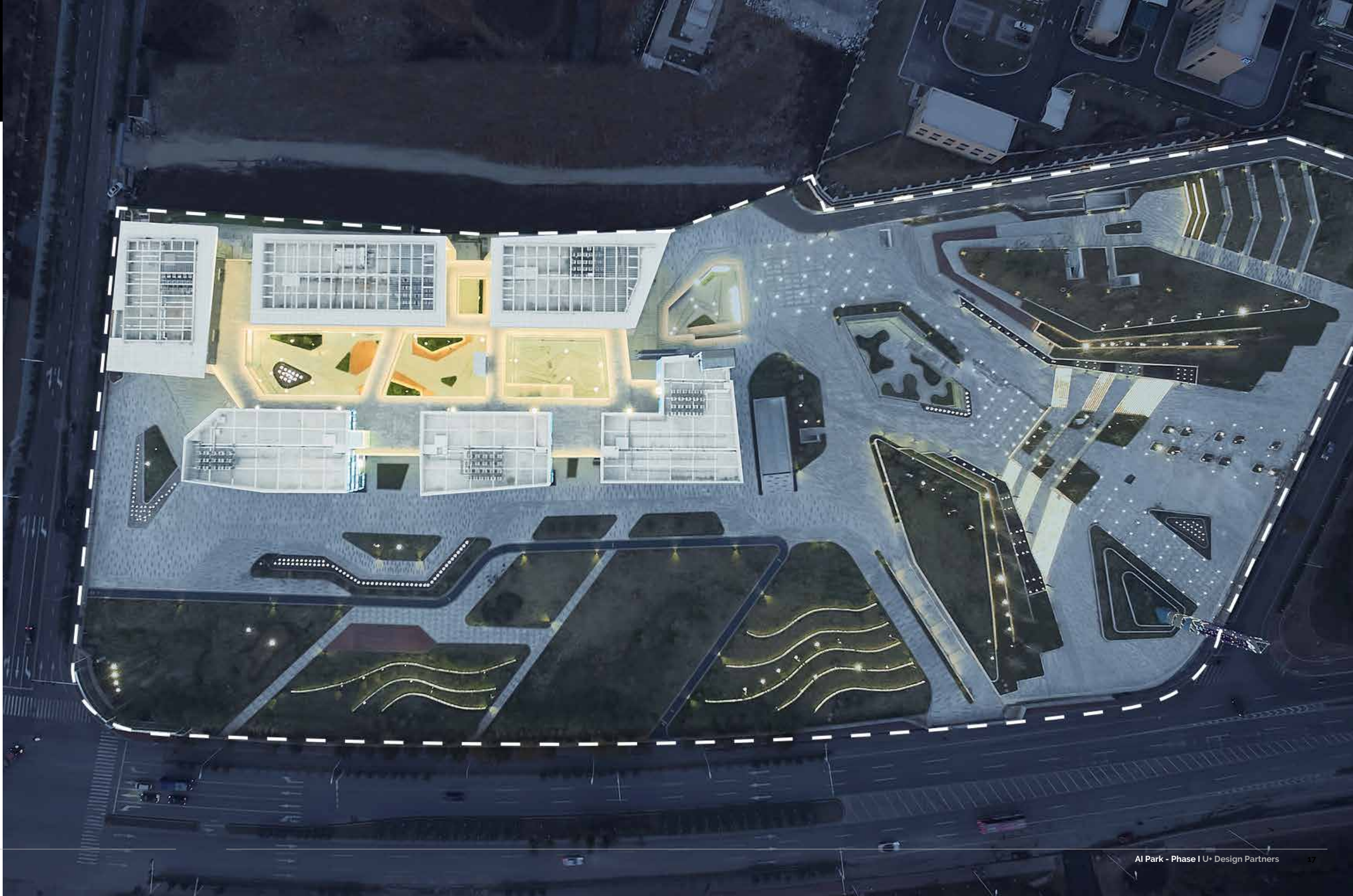
wood



"Wood" is used as an accent material on exterior



"Raindrop" columns





ABOVE: Photo of the completed exterior elevation, projects the impression of raindrops on the facade.
BELOW: The interior details continued this concept with the use of playful recessed lighting strips.



“Continuity of concept by appealing to the senses: light, material, and textures... Bio-mimicry”

LEFT: The interior Office Lobby details took inspiration from morning light pouring through a densely wooded forest.



The exterior lighting details served as a reference for the interior light cove details shown throughout the Interior Public Spaces. Indirect and uplighting played an important role in creating a soft and inviting atmosphere.

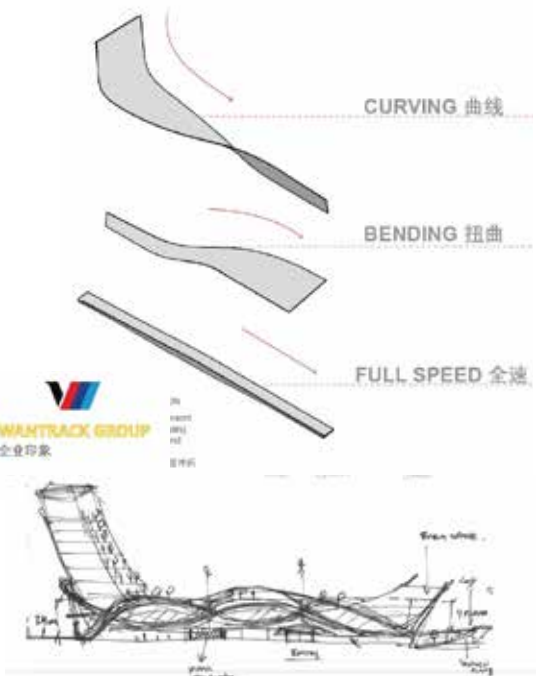
Lishui Mixed-Use Sport

2021

Scope:
Mixed-Use, Office, Retail & Commercial, Sports Program.
4 badminton courts, 1 indoor tennis court, 1 basketball court with spectator seating, long span Sports Spaces for Tennis, Basketball and Indoor Pool. Office/hotel (18 floors), Apartments (10 floors)

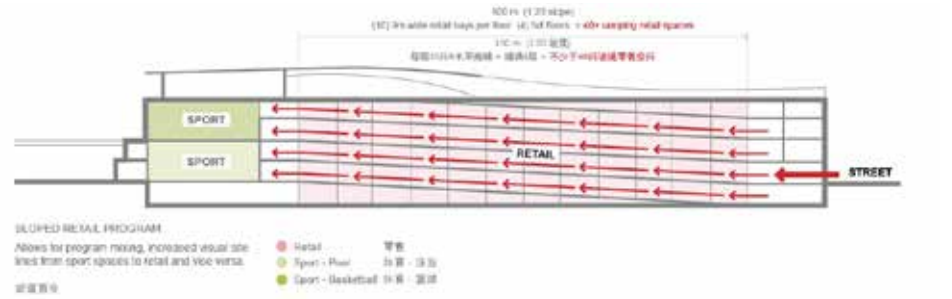
Lead Design Firm:
U+ Design Partners, Mclean VA
James W. Tilghman, AIA (Principal)

Role:
Concept Design Team Member



ABOVE : Early Concept Sketch capturing the 3 large sports spaces reflected on the exterior with formal gestures of speed and motion.

The Lishui Sports Project was a commissioned project for our client, a car racing manufacturing company. The complex of nearly 60,000 m2 of above ground program is to host training offices and hotel for the company as well as serve as a revenue generating retail venue with a sports and fitness component. The objective of the experimental typology is to raise interest in sports among youth



ABOVE : The long linear site introduced significant challenges in order to accomodate the long span sports spaces interwoven with a dynamic retail environment.



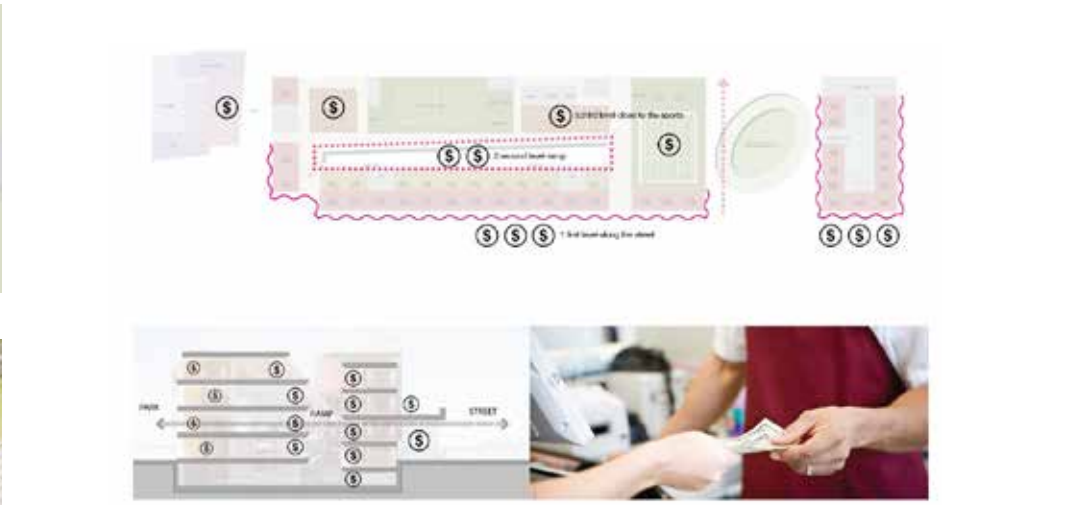
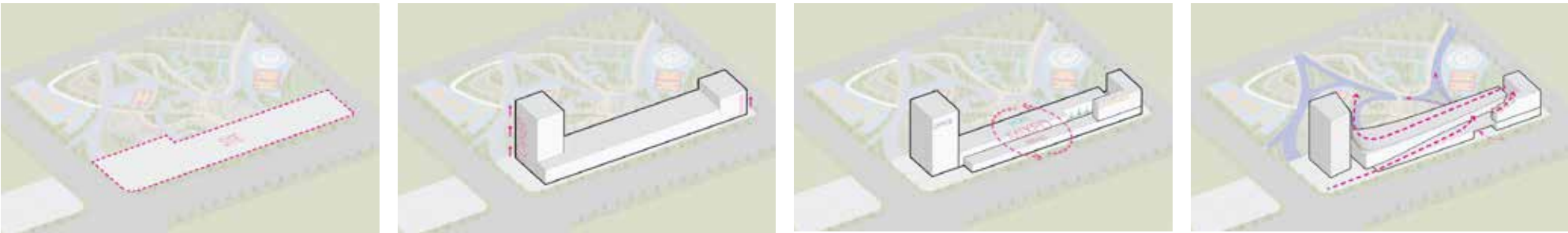
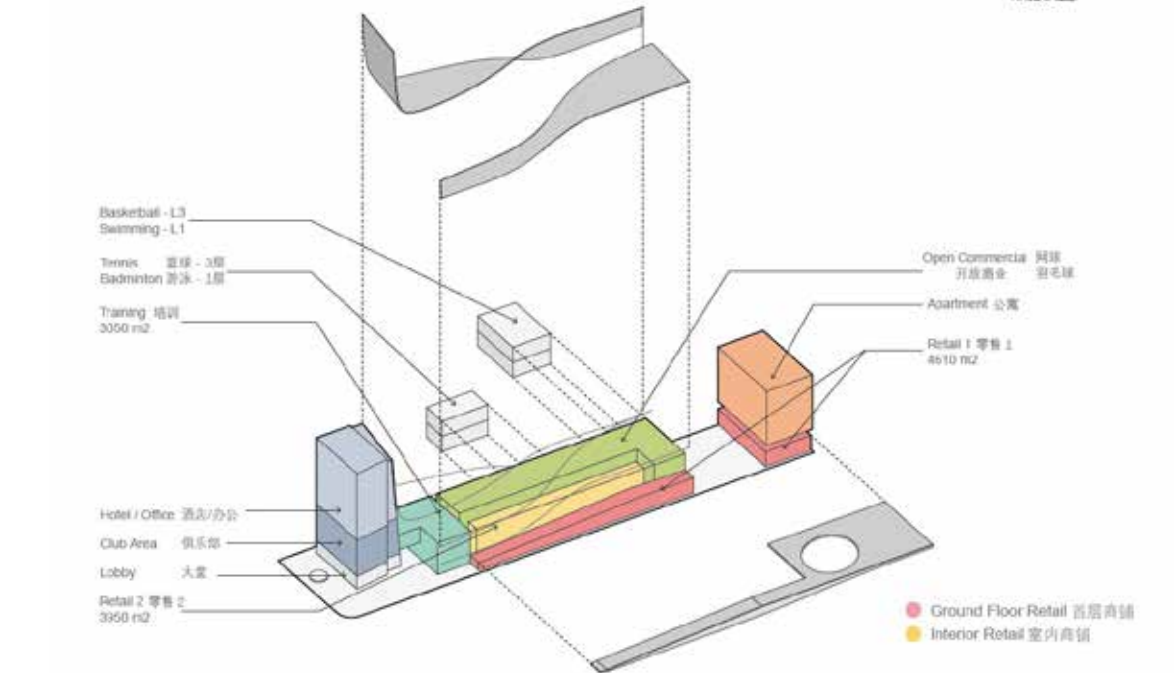
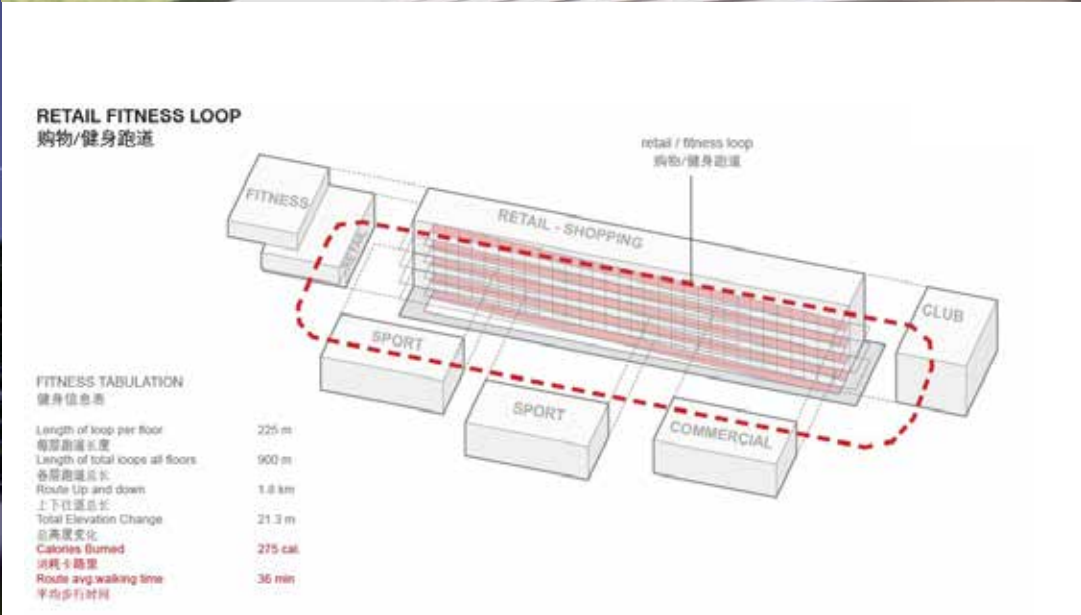
Long Span Sports Spaces



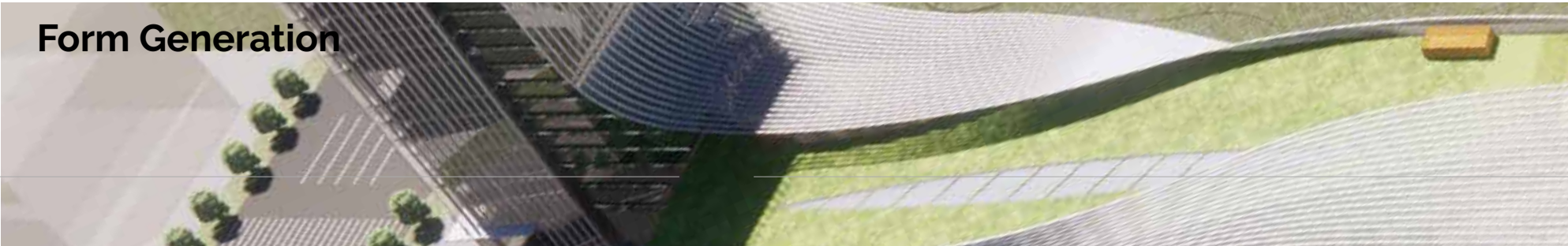
Dynamic Entry Experience



Retail RAMPING



Form Generation



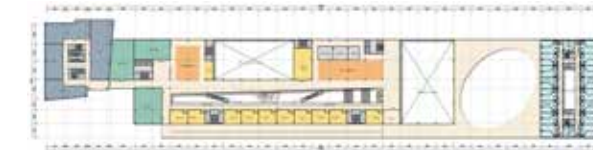


- Ground Floor Retail
- Interior Retail
- Common Space
- Outdoor Space
- Open Commercial
- Sports Space
- Office
- Hotel
- Apartment
- Training
- Club
- Roof Garden
- Mec&Stair

R5



F4



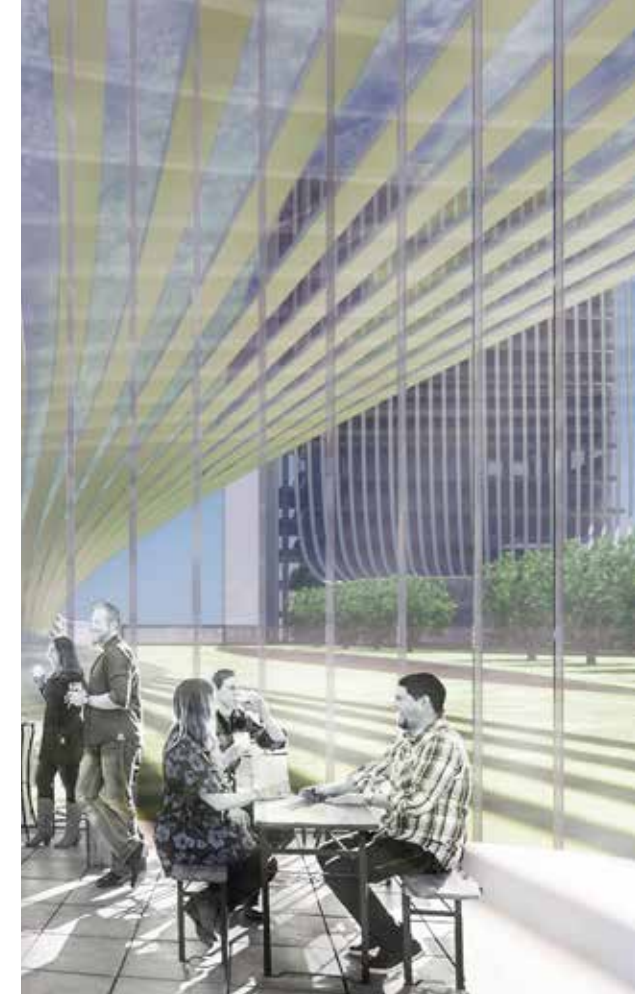
F3



F2



G1

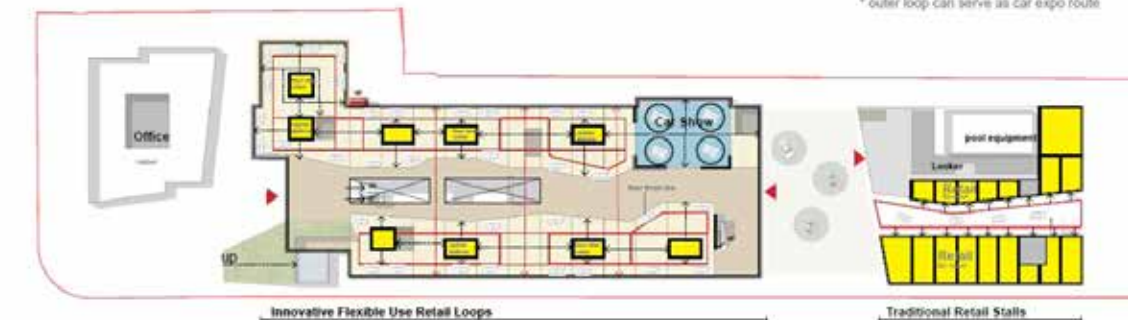


BRANDED RETAIL ENVIRONMENT

public lobby - retail - car show expanded

INNOVATIVE GROUND FLOOR RETAIL "LOOPING" CONCEPT

- * "LOOP" retail aisles strategy
- * open plan concept
- * allows for greater number of retail display configurations
- * promotes free flow of traffic within merchandising area
- * outer loop can serve as car expo route



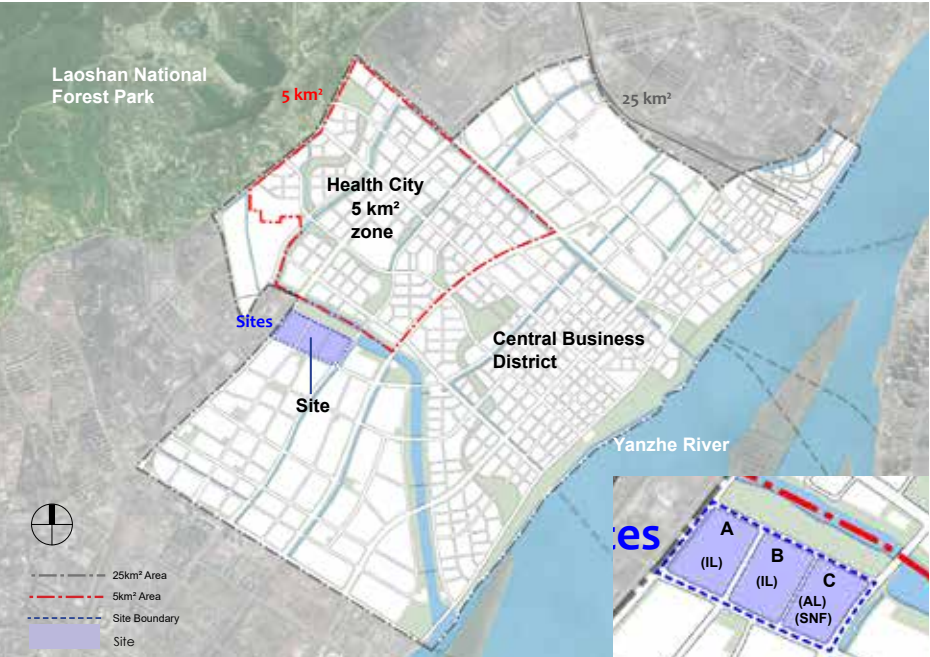
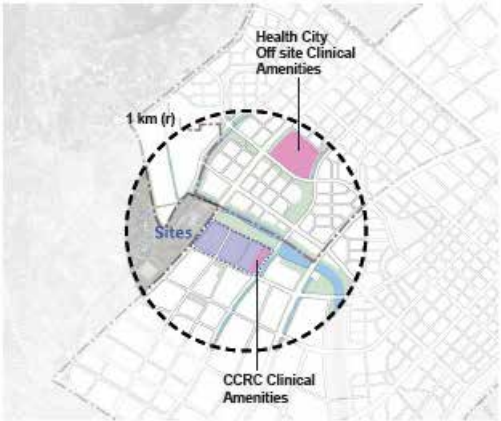
Health City, CCRC

2020

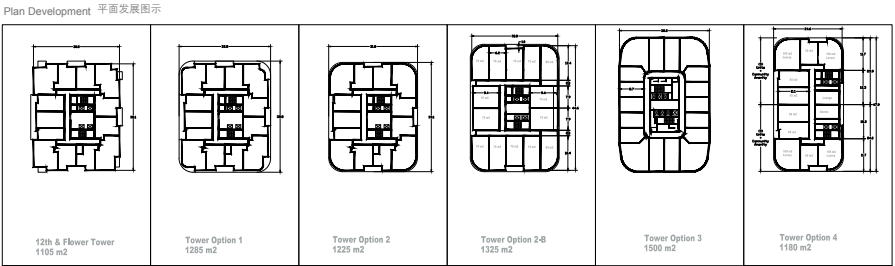
Scope:
Master Plan Feasibility Study for CCRC "Health City"
in Nanjing China.

Lead Design Firm:
U+ Design Partners, Mclean VA
James W. Tilghman, AIA (Principal)

Role:
Design Team Member
Project Designer
Amenities Lead



(Figure 1.0)

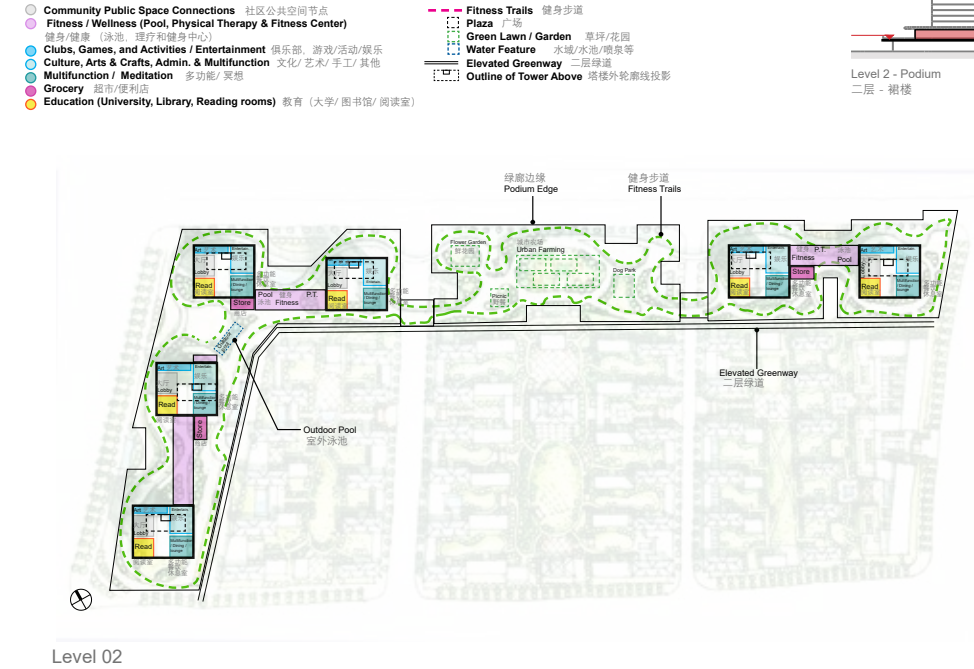


Ground Floor Amenity Key Plan
一层配套设施 - 平面图例



03 Community Lifestyle 6

Level 2 - Podium
二层配套设施 - 裙楼



03 Community Lifestyle 7

Level 3 - Tower Amenity Floors
三层配套设施 - 塔楼



03 Community Lifestyle 8

Tower Roof Terrace Level
塔楼屋顶平台配套设施



03 Community Lifestyle 9

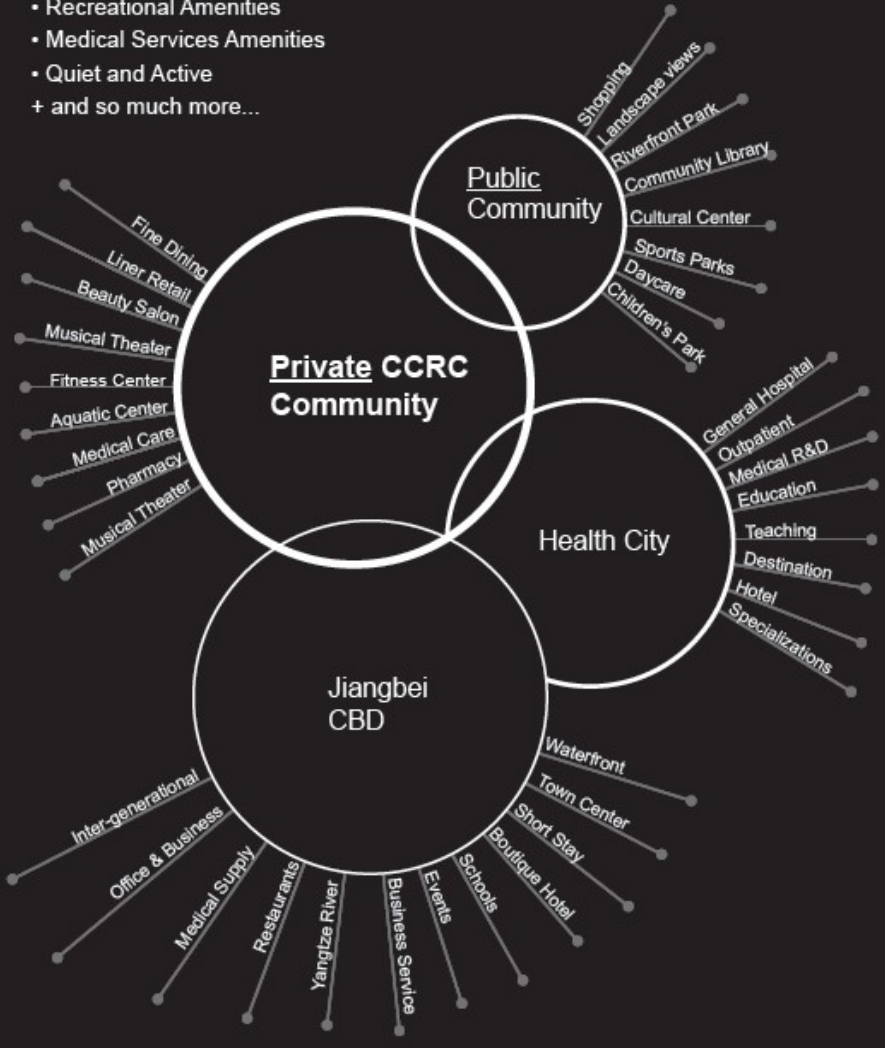


A Dynamic Living Experience

Amenities, Amenities, Amenities!!!

What is clear from research and studies, is that Seniors are living full and vibrant lifestyles. Whether it's in an Independent Living or Assisted Living environment seniors are looking for more and more ways to live life to the fullest. Various Types of amenities are what make life in CCRC fun, interesting and healthy. The most successful CCRC's are those which offer a dynamic mix activity types and amenities such as:

- Private Amenities Vs. Public Amenities
- Cultural Amenities
- Recreational Amenities
- Medical Services Amenities
- Quiet and Active
- + and so much more...

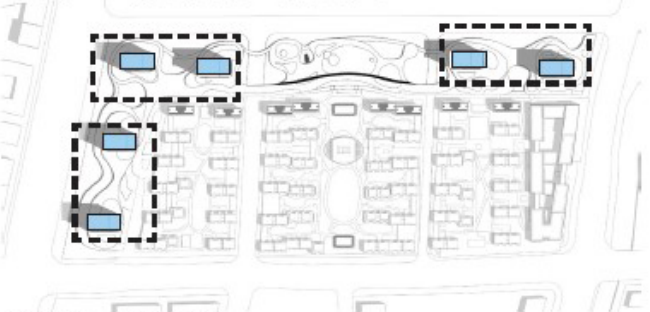


Highrise Amenity Strategy

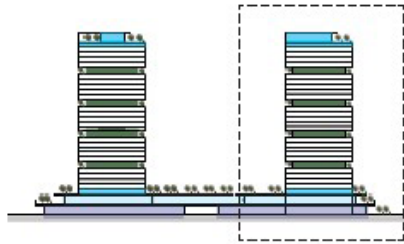
高层配套设施策略

Sector 1 - Independent Living Highrise

区块一 - 高层自理型居住单元

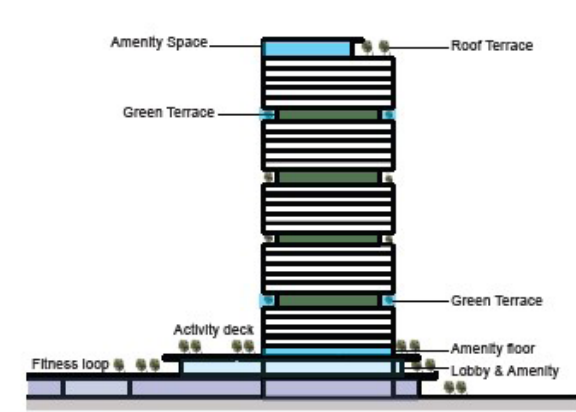


Key Plan - Tower Pairs



Typical Tower Cluster (1 of 3)

- Public Space
- Shared Pair - Semi Private
- Community Private



Typical Single Tower (1 of 6)

Concept Development: 07/09/2020

Tower Pairs

(2) tower / shared amenities

Amenities / per cluster:

两座塔楼共享

(1) Shared convenience Store 便利店

(1) Shared Fitness center 健身中心

(1) Shared Indoor Pool 室内泳池

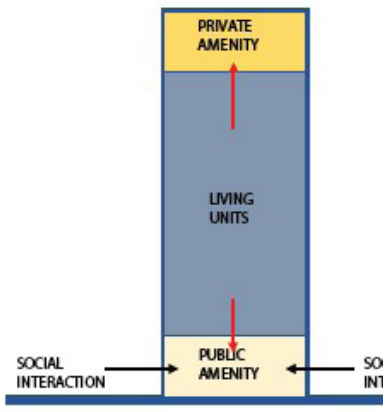
Each Building will have it's own.

每座塔楼独自享有

Lobby lounge, Breakfast Area & Arts & Cra

大厅, 早餐区域& 艺术手工

Individual and Shared Amenities crea opportunity for various levels of priva security. Reserving the street level fo space, retail, and self care services fo dents of both lowrise and highrise as the surrounding community, the uppe of the deck then caters exclusively to highrise residents and provides amply cy and security while offering exciting and recreational activities and events



Precedent Diagram

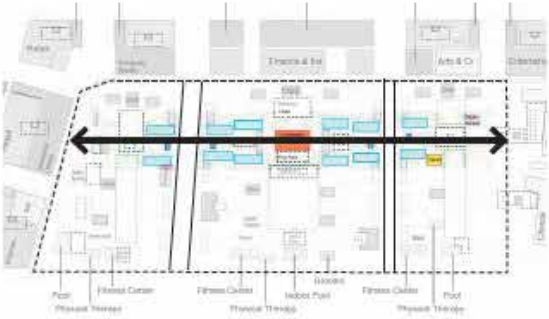
Skyline at First Hill, Seattle WA, USA

Lowrise Amenity Strategy

低层配套设施策略

Sector 3

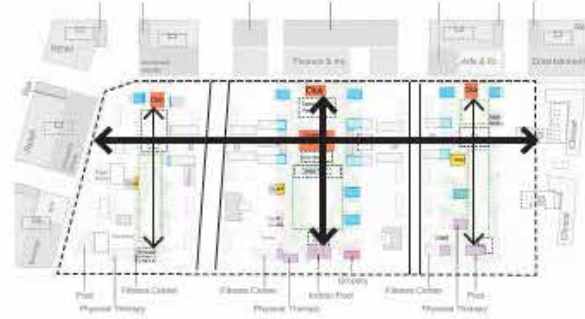
区块三



配套设施轴心图例

Amenity Spine Diagram

Lowrise Amenity Spine Connects the three blocks and provides a visual corridor to the center of the E/W Axis. Privacy and Security are enhanced along this axis.



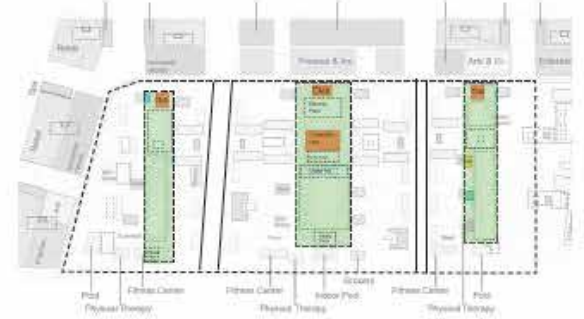
会所 - 广场 图例

Club house Plaza Diagram

A large community clubhouse and Hall is created at the inter-section of the primary cross axis, with two secondary cross axis' created on the East and West end blocks

Total CCRC Sector 3 Area: 15,047 m2

% Total of Amenity: 14%



中心公园 图例

Central Park Diagram

Three Themed central park spaces are created to anchor each community block within it's private context. The green theme reinforces wellness and connection to nature.



Inspiration “FOREST”（I-Park）

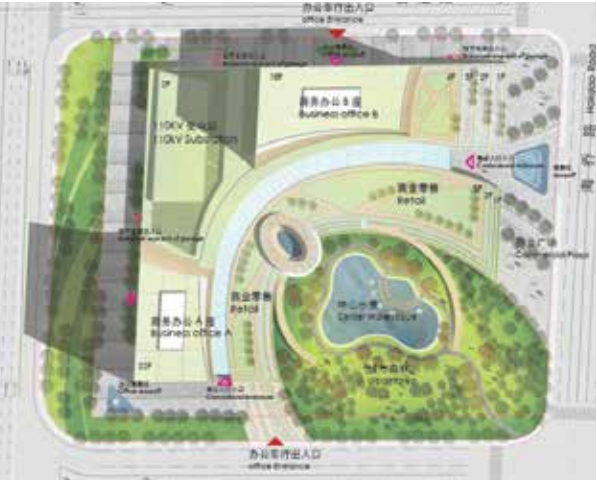
2020-2021

Scope:
Mixed-Use, Office, Retail & Commercial, T.O.D.

Area:
75,000 m2

Lead Design Firm:
U+ Design Partners, Mclean VA
James W. Tilghman, AIA (Principal)

Role:
Competition Design Team Member
Design Team Production Managment
Project Design Branding



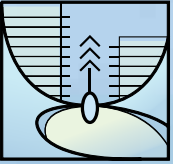
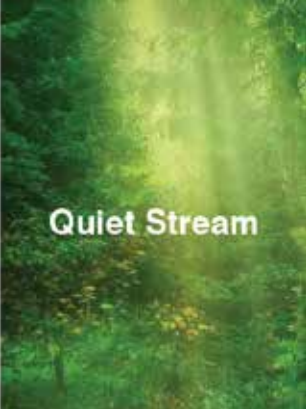
The I-Park project occupies a site within the national level Jlangbei R&D district just west of the Yangtze river and 10km west of downtown Nanjing city. The Site is adjacent to 2 major landmarks in Nanjing: the Lao shan mountains to the NW and Yangtze river to the east. The overarching project concept makes strong reference to a number of natural and biological conditions. Most apparent is the welcoming gesture of the main building volumes, articulated as the open wings of a dove, with the geometry traced in the articulation of the main office tower building envelope.



LEFT: Project branding was employed with the use of icons, taglines, and lifestyle images.



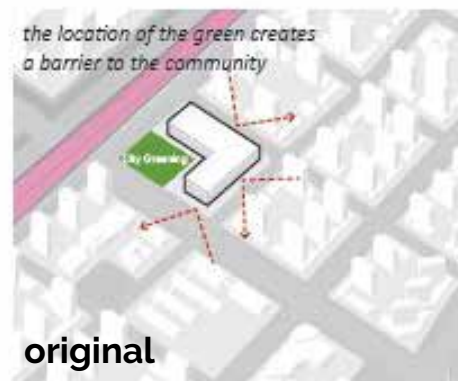
BELOW: Aerial view of the park opening up to the surrounding community, thus providing a valuable asset to the community.



Branding

The branding of the project was also considered to be an important marketing tool for the client. “FOREST” Inspiration Park became the concept driver for the image of the project, which incorporated the themes of “Elevate, Innovate, Connect” into the development of the facility brand. All aspects of the theming were created with the intention to 'Inspire' occupants to soar to new heights within this mixed use “life-style” branded community within the Research and Development Zone of the Jiangbei new district.





Community Garden

The city green is oriented so as to provide a community asset for the surrounding residential (yellow) area

ABOVE: Above images show the original and revised location for the city green. The original location creates a boundary, whereas the new location is open to residents, pedestrians and the kindergarden adjacent to the site.

The EGG

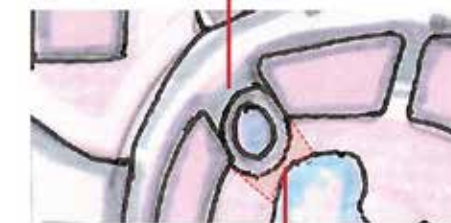
A special moment is created on the interior of the egg with an interior waterfall which unites the interior and exterior elements of the atrium space with the exterior water feature. Nature is fully integrated into the project, both interior and exterior with this seamless transition.

BELOW: : Process diagrams show one of many studies undertaken to clarify the articulation of the Egg by studying it's scale, form, angle orientation and relationship to the exterior landscape features. The team saw an opportunity to create a wonderful gathering space outside the Egg.



Original

Object is offset and creates concave space



Original

Object and water feature create a pinch point.



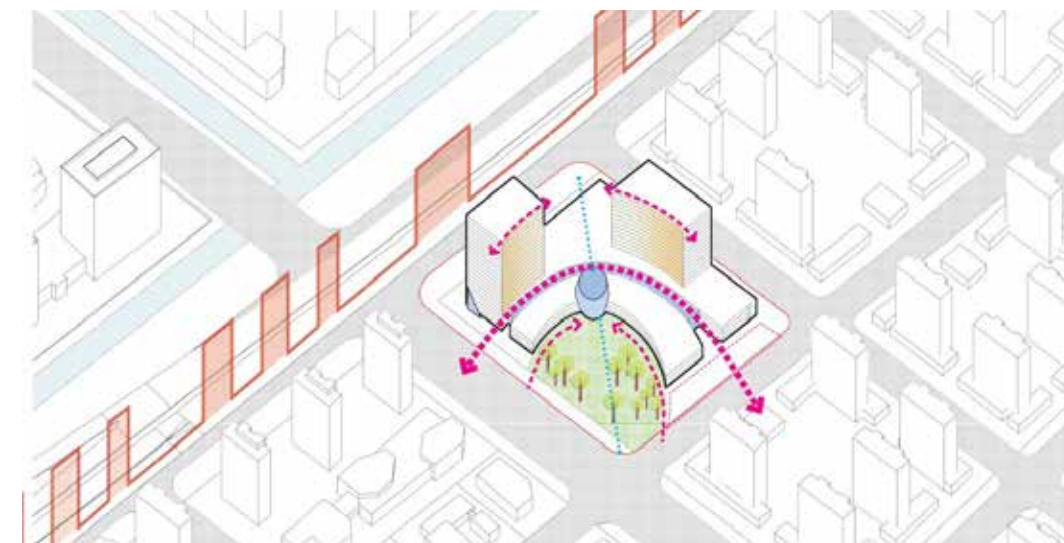
Proposed

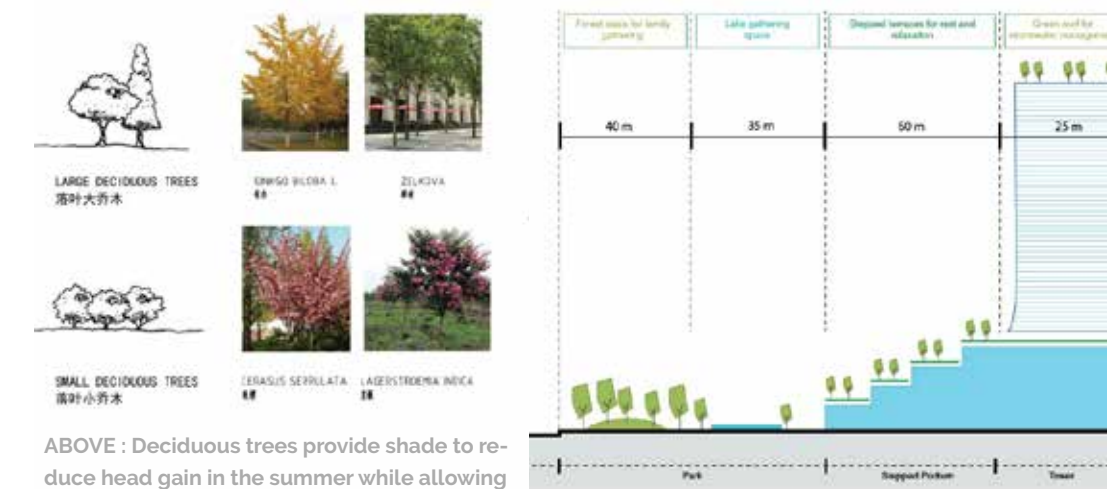
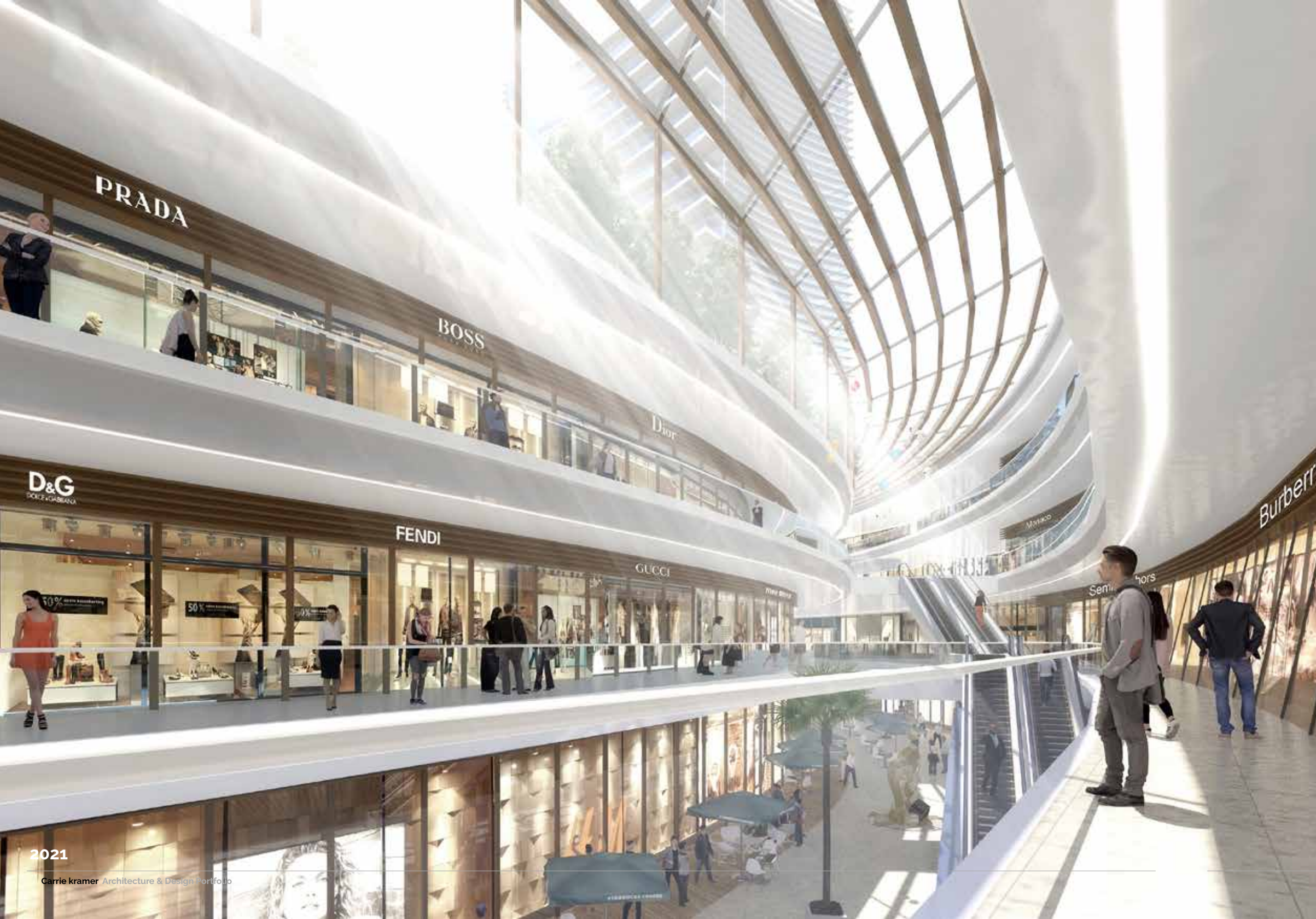
Object is an engaged "feature" element in the interior atrium, as well as the exterior



Proposed

Exterior Plaza space surrounds the egg is integrated with the water feature





ABOVE : Deciduous trees provide shade to reduce head gain in the summer while allowing light to come through in the winter.

LEFT : The stepped podium brings the forest into the building, and native plants are specified that would require less water and maintenance.

“Daylighting is leveraged to it's greatest extent through an extensive glass atrium that runs the length of the podium, flooding the commcial space with light.”



thank you

Ck architecture & design
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