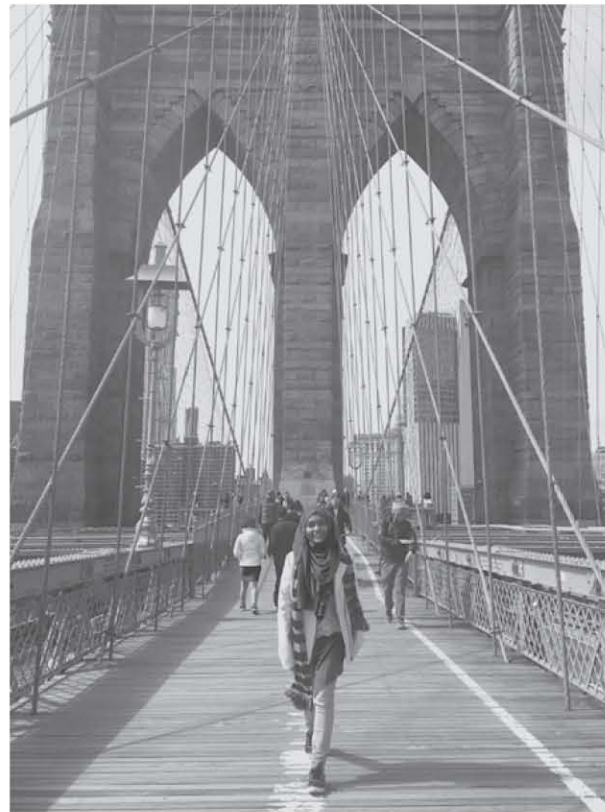


arisha shahid

M.ARCH 2yr PROGRAM

University at Buffalo, NY





April 08, 2018
Brooklyn Bridge, NY

I have travelled, worked and lived in many different countries.

My quarter-century voyage has given me experiences that I cherish and carry wherever I go.

I have worked on multiple buildings, urban landscapes and waterfront projects. Each time, I emphasise on **making interventions** at the existing problems through design solutions.

Through my knowledge, work experience and skills, I aim to **design spaces** that could change the perspective of the void space that one inhabits.

2010 - 2015

Bachelor of Architecture |
AMU | India

00

THESIS_final semester 2015_ **A** • page 01
Program_Celebrating culture through structures

2014 - 2016

Junior Architect |
AEB | Qatar

01

WORK EXPERIENCE_2014-2016_ **BIM and REVIT architecture** • page 07
Studio_Architecture | Interior Design | Production
Program_Residential | 38 F tower | Commercial |
| Mixed-Use

2016 - 2018

Master of Architecture |
SUNY UB | NY, USA

02

COMPREHENSIVE STUDIO_fall 2016_ **A** • page 13
Studio_Comprehensive
Program_Offices and Incubator space

03

URBAN DESIGN_spring 2017_ **A** • page 21
Technical Methods_
Program_Making a design intervention in Buffalo

04

URBAN DESIGN_spring 2017_ **A** • page 27
Studio_Articulating the Edge
Program_Mixed-use & transit-oriented development

05

NATIONAL DESIGN COMPETITION_fall 2017_ **THIRD PLACE** • page 37
Conference_2017 Barbara G. Laurie NOMA National
Student Design Competition - 49th Annual NOMA
conference
Program_Institutional & Land reclamation

00

THESIS

Al Khor, Qatar

Thesis project submitted to the Architecture Department in *Aligarh Muslim University (INDIA)* for **graduation**.

Qatar being a developing nation in the Middle East, has potential to **revive the cultural heritage** among it's major population of the expatriates. A Cultural Centre has been proposed to be developed on this site by the Ministry of Interiors.

Strategically located on the waterfront in proximity to the residential areas, this site provides opportunities to propose activities to connect and promote **community engagement** through culture.



View of the plaza leading to the mosque

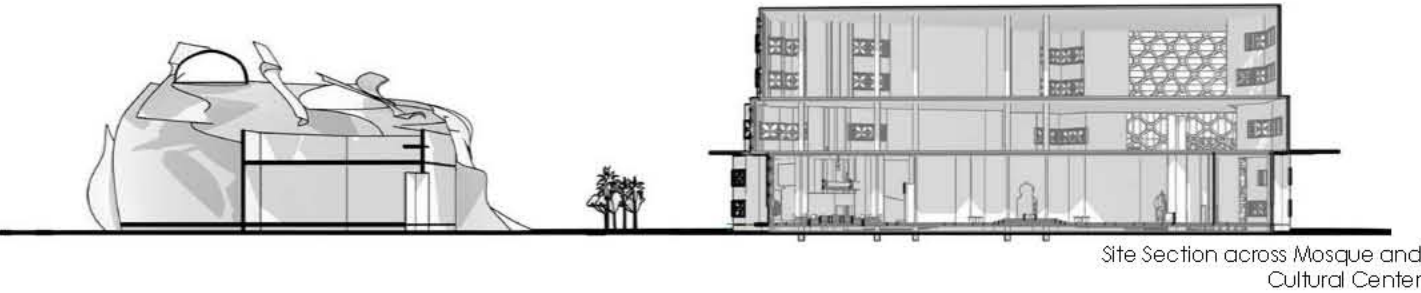
DISCIPLINE | Tahsinur Rehman Warsi
Chairman

INSTITUTION | ZHCET, Aligarh Muslim University, INDIA
YEAR | 2014

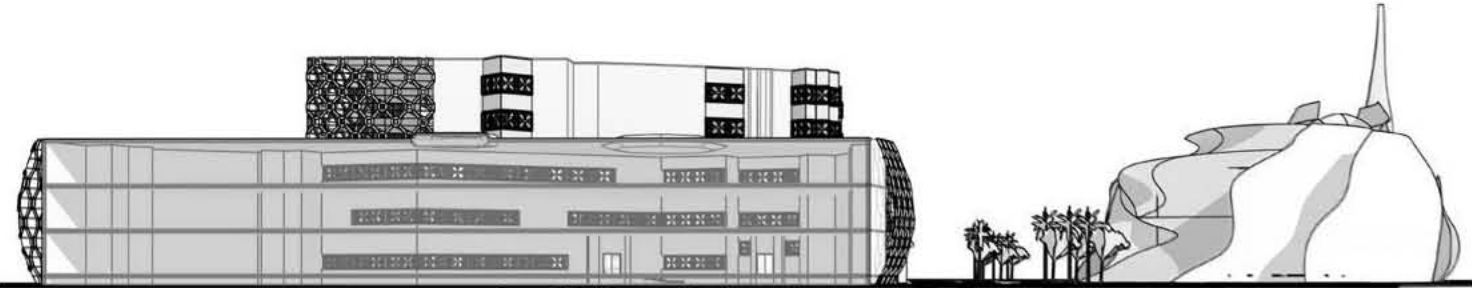
The **Cultural Center** is placed in the center of the site with gallery spaces and auditorium.

Each of the **Education blocks** flank the Cultural Center. The form of this structure is **dynamic** and derived from the **waves**. The **octagonal halves** help create segregated zones.

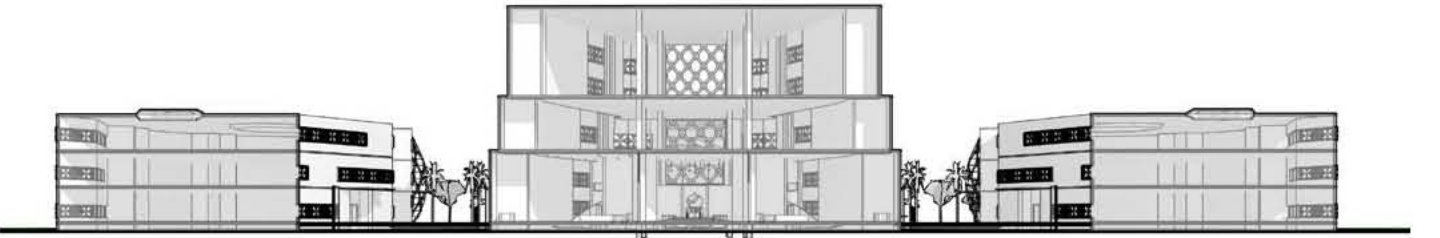
The **Mosque** is designed with the concept of **bio-morphism**. The shell form is the outer structural membrane. Multiple folds of the **shell** generated cuts to make passageways providing access and letting light in.



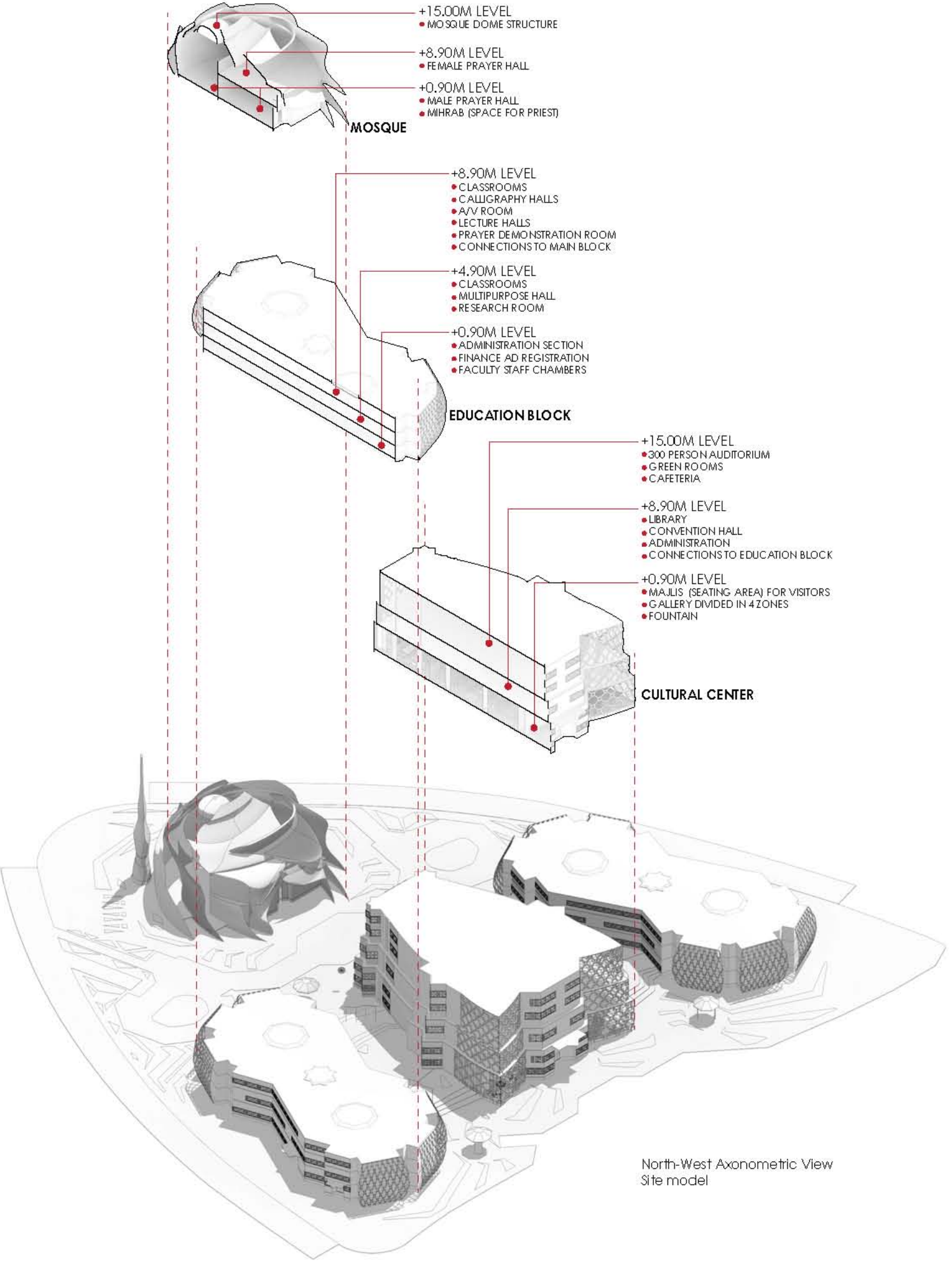
Site Section across Mosque and Cultural Center



Site Section across Education Block



Site Section across Education Block and Cultural Center



North-West Axonometric View Site model



The Majlis or the greeting room



Student Gathering space



Reception Lobby



Majlis - Greeting space

01

WORK EXPERIENCE

Arab Engineering Bureau, Qatar

Worked in different design disciplines:
Architecture Design, BIM (Building Information Modelling), Production and Interior Design.

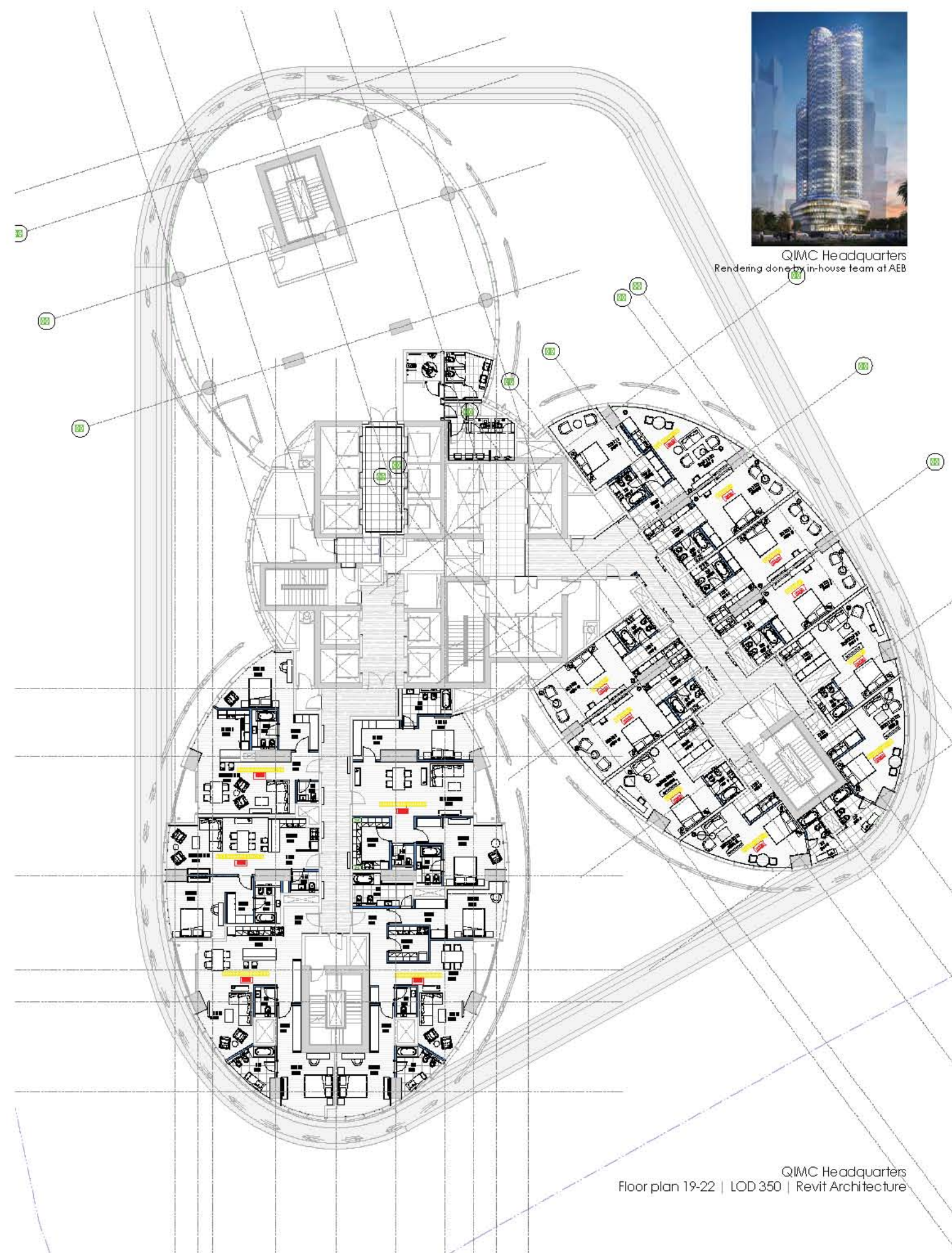
I have devised and successfully implemented BIM conventions in residential and mixed-use projects, using **Revit Architecture**.

- QIMC Headquarters : Prepared floor plans for a 38 storey high tower located in West Bay. Organised schedules for the interior doors. Designed multiple options for the lobby spaces and also designed furniture.
- Residential and Mixed-Use projects: (2B + G + 4F) located in Fox Hills North District, Lusail

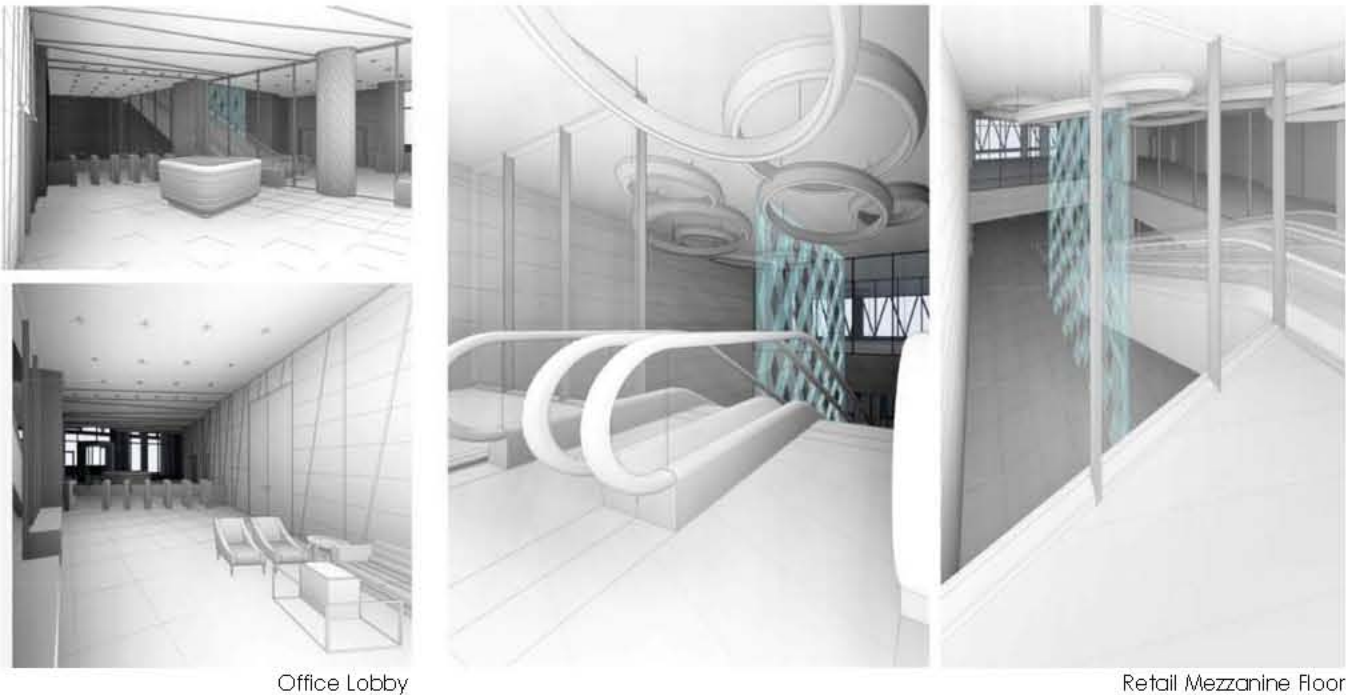
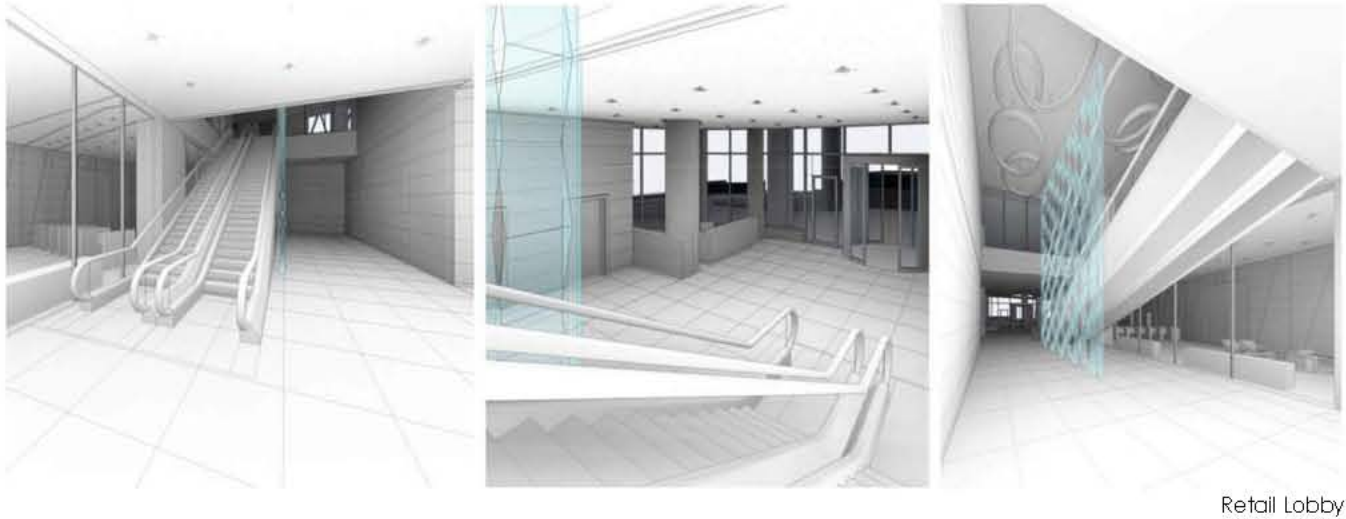
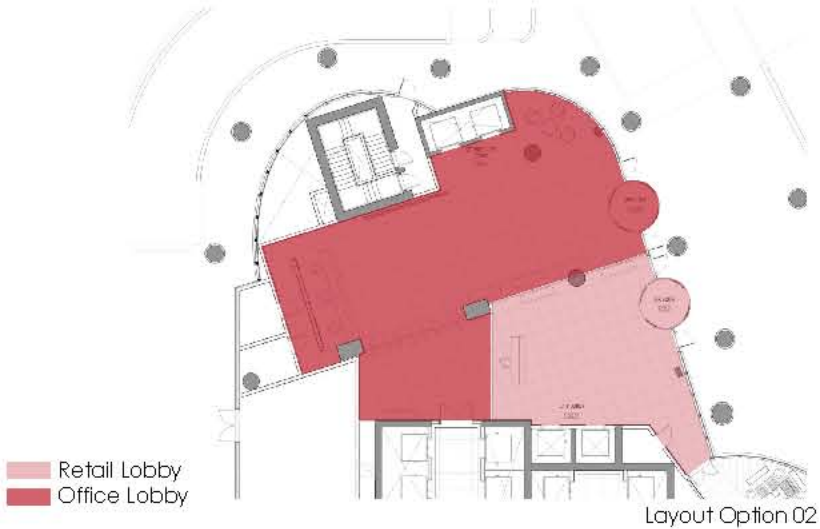
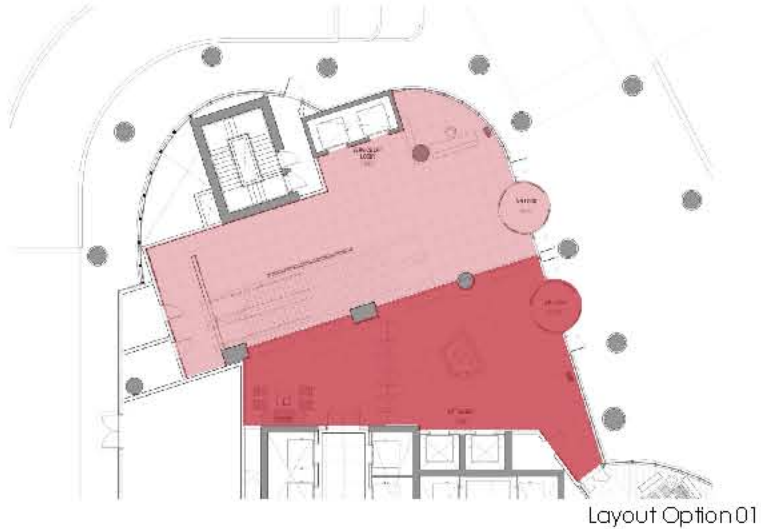
Prepared technical drawings for **schematic design submissions** at **LOD 300** & acquired approvals from the Ministry of Municipality and Urban Planning, Qatar.

DISCIPLINE	Building Information Modelling SUPERVISOR_Mohammed Imran Khan BIM Manager
	Architecture Design SUPERVISOR_Mohammad Mahmood Architect
	Interior Design SUPERVISOR_Dorota Nazervicz Head of Interior Design

INSTITUTION	ARAB ENGINEERING BUREAU
YEAR	2015-2016



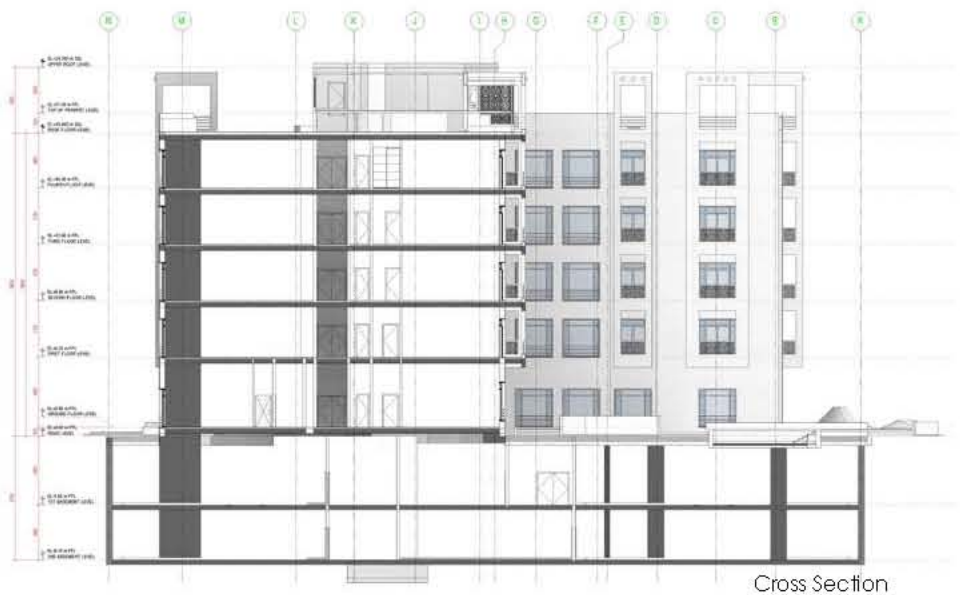
The **QIMC headquarters** in the West Bay area of **Doha, Qatar** includes three towers, joined at the base, planned for hospitality, commercial and residential use. Through **BIM** and **Revit Architecture**, I prepared **design options** for the lobby area with alternative retail and office spaces. Using **massing in Revit**, I also prepared the glass installation for the double height atrium space.



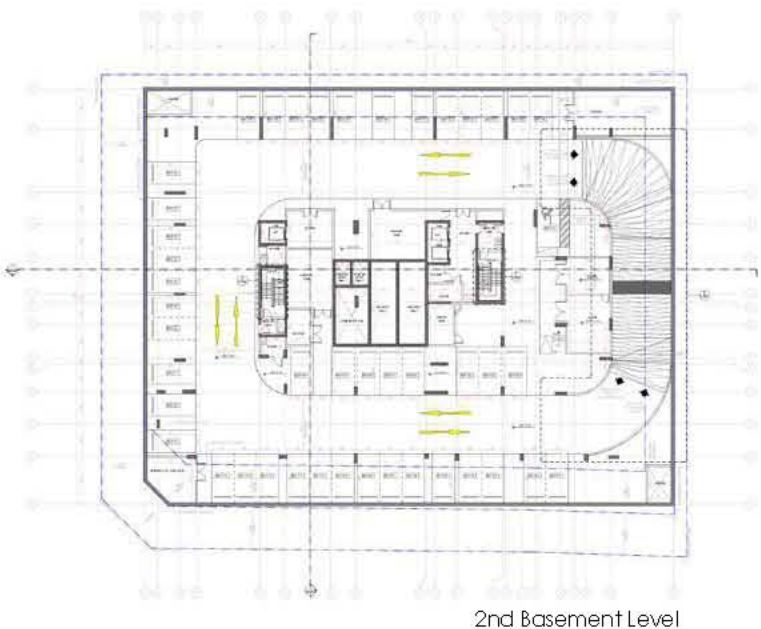
This residential building (2B + G + 4F) located in **Fox Hills North District, Lusail, Qatar**. The building is positioned with a minimal setback from the street to create a strong urban presence. Through **BIM** and **Revit Architecture**, I prepared **schematic design LOD 300 drawings** and got approvals from the Ministry of Municipality and Urban Planning, Qatar.



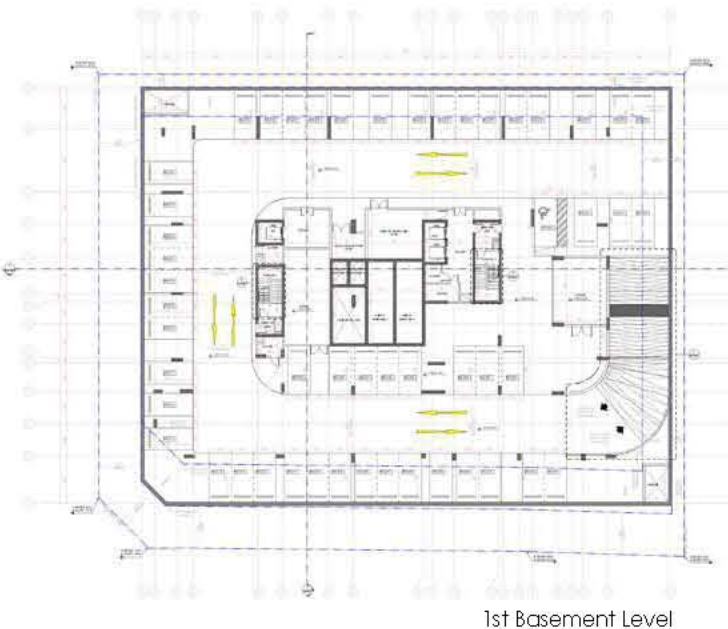
East Side Elevation
Colors to indicate the materials to be used



Cross Section



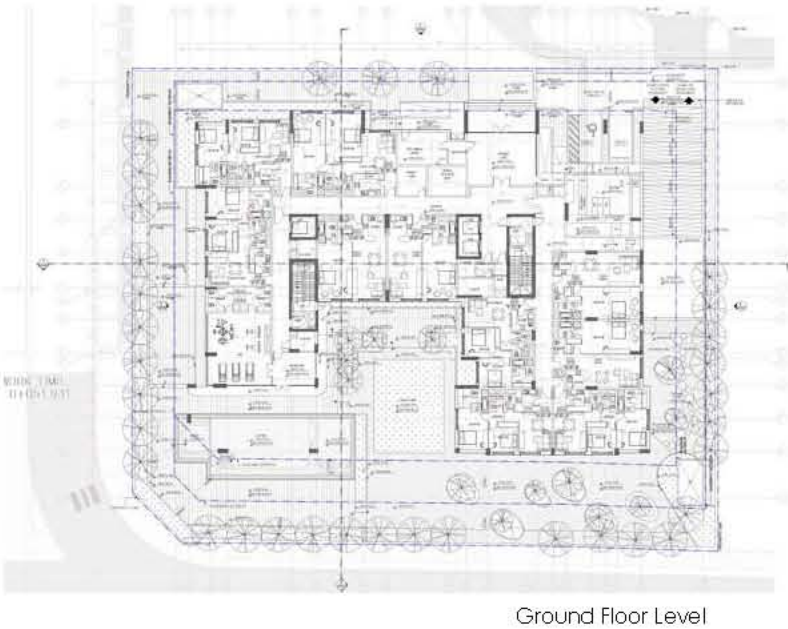
2nd Basement Level



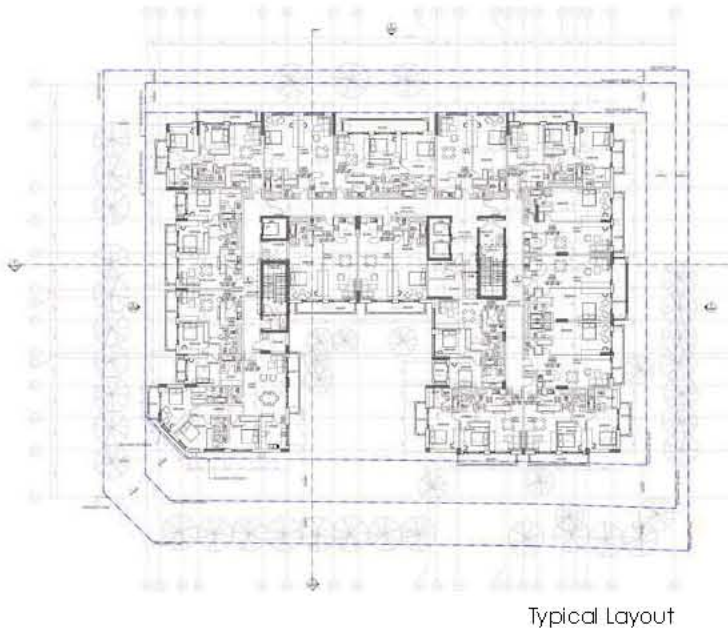
1st Basement Level



Longitudinal Section



Ground Floor Level



Typical Layout

02

[EN]closure

University at Buffalo, SUNY, Buffalo, NY



Designed an **Incubator for Computational Biotech Ventures**, located at 814 Main Street, Buffalo, NY

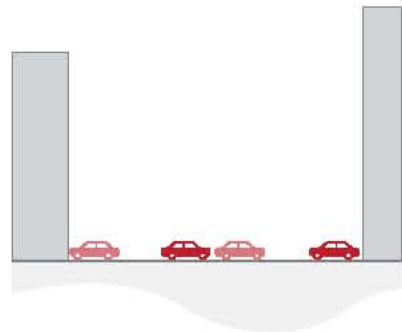
The encouragement of innovative start-up ventures, funded through private foundations and public/private initiatives, has been significant in the **revitalization of Buffalo**.

This design project aimed on providing space for a Foundation which would venture capital for start-ups , incubator space and offices on a **vacant parking lot**.

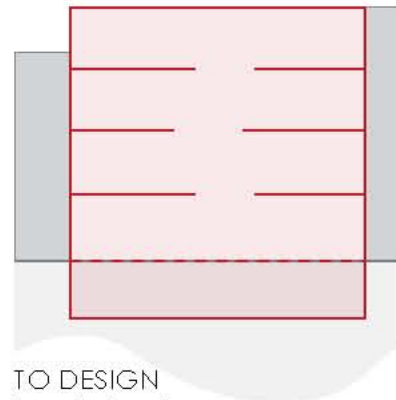
DISCIPLINE | Comprehensive Studio
SUPERVISOR_Bryce Sanders
Clinical Professor

INSTITUTION | University at Buffalo, NY
YEAR | Fall 2016

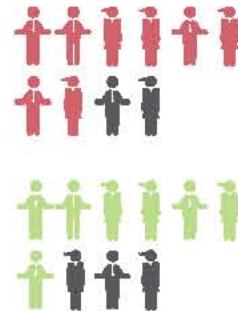




EXISTING
Vacant Parking lot
at 815 Main Street



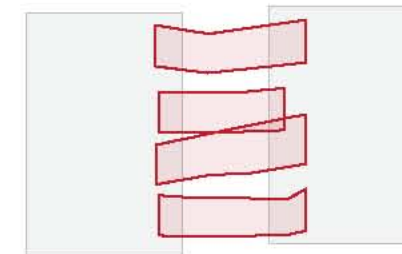
TO DESIGN
Incubator Space
[Infill project]



RESEARCH
• 8 in 10 workers are stressed at work¹
• 70% prefer green plants at their workspace²



CONTEXT
Olmstead linear park system
• Connectivity
• Green space



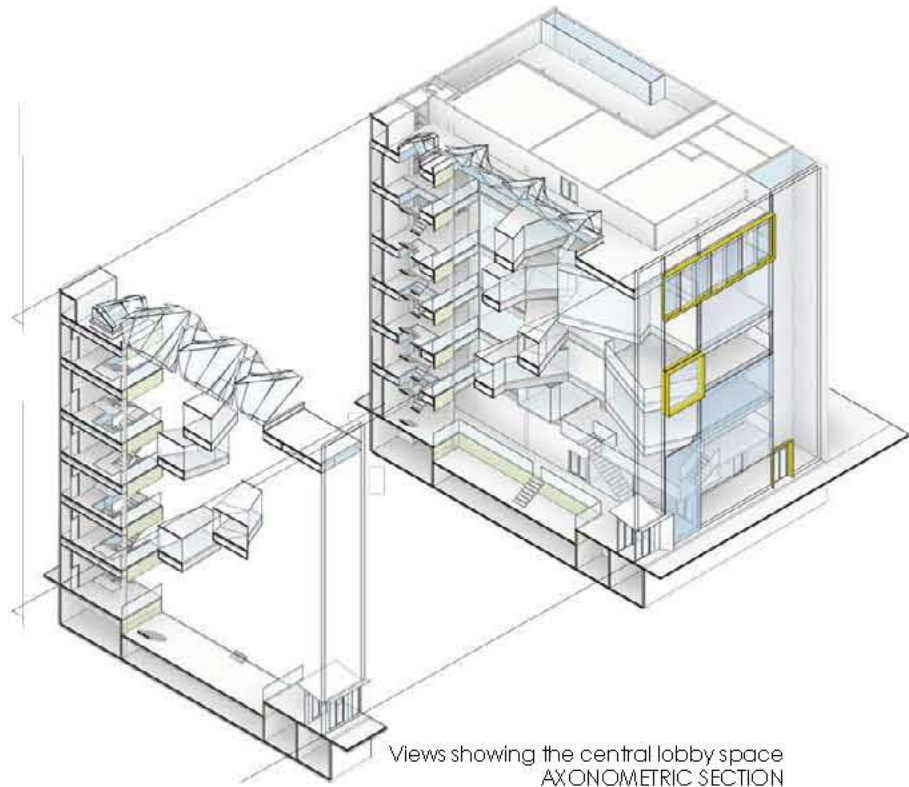
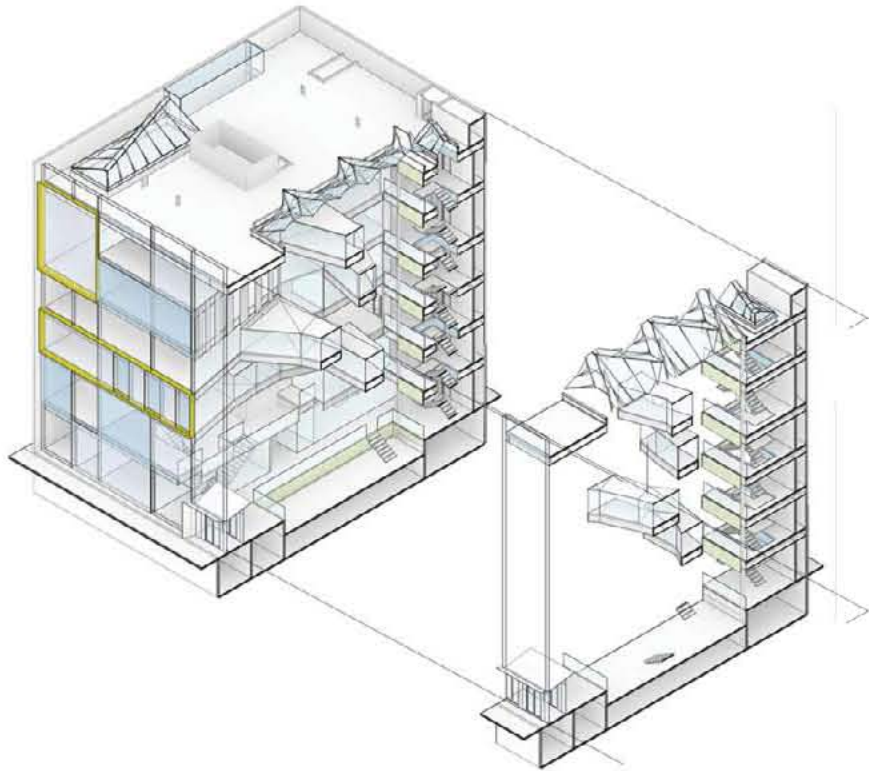
[EN]closure
Incubator Space
• Walkways promote connectivity



[EN]closure
Incubator Space
• Green lobby with kitchen garden

¹ Gregoire, Carolyn. "The American Workplace Is Broken. Here's How We Can Start Fixing It." The Huffington Post. November 22, 2015.
² Shahid, Arisha. Survey conducted at a Buffalo Billion initiative workspace 43North, located at 640 Ellicott St, Buffalo, NY 14203.

The **Bio-tech** program implies a biological metaphor, wherein complex and multivalent systems **engage and interact** as part of a **unified organism**.



Views showing the central lobby space
AXONOMETRIC SECTION



Dynamic section through the connecting walkways
CROSS SECTION



Connectivity to different Office spaces through Walkways
LONGITUDINAL SECTION

Creating Spaces and Moments

A huge **garden space** welcomes each person entering the Incubator. This concept is inspired from the **Olmstead linear park system** in Buffalo. Every startup is **growing and linking** to each other through the motion sensory **walkways** flanking over this enormous green space.



Central Lobby space with connecting walkways
SECTIONAL ELEVATION

03

[RE]stitching

Scajaquada Highway

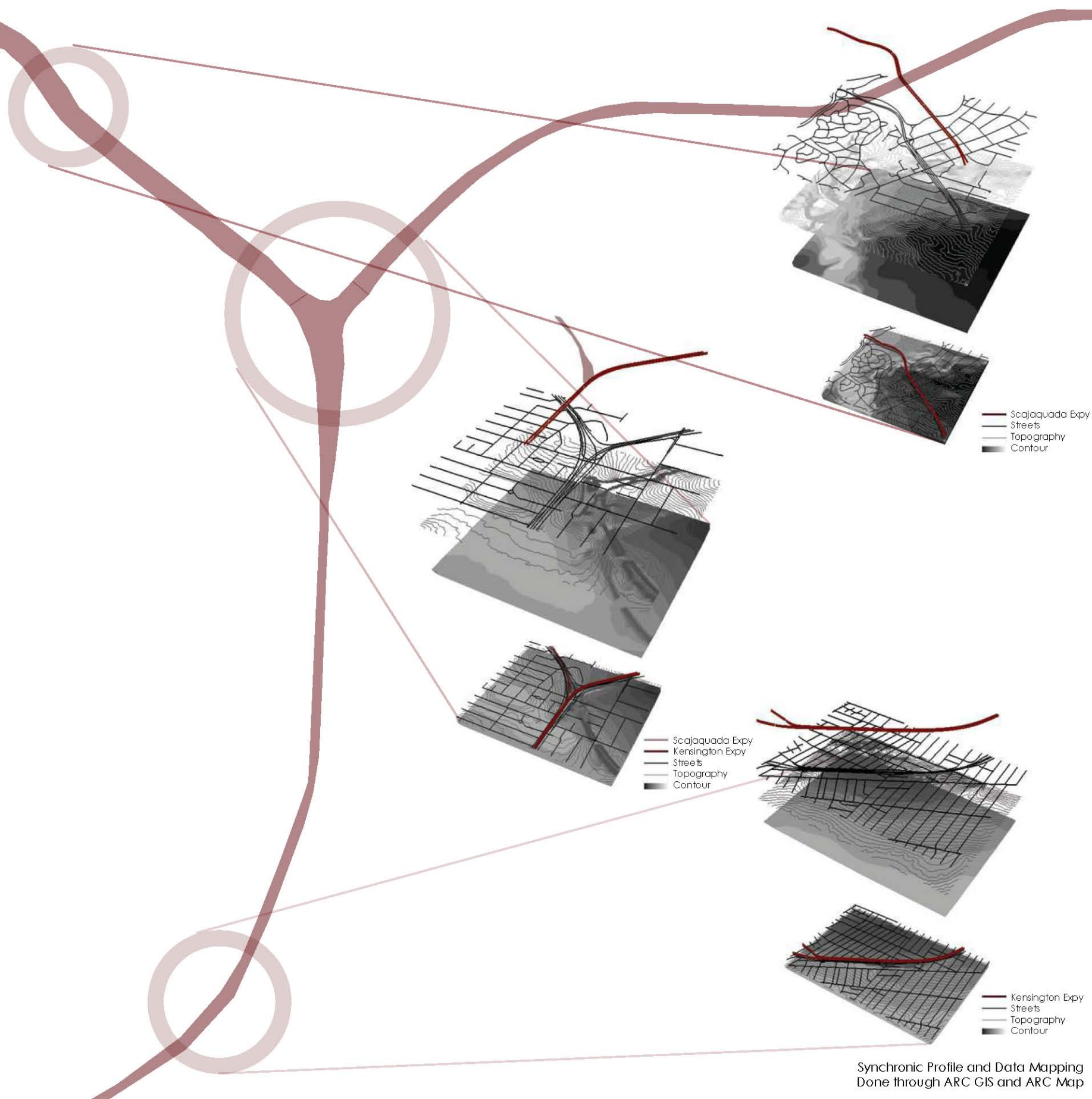
Mapped an **urban phenomena** in the city of Buffalo by exploring different maps and looking at these with **lenses of ecology**, **repurposing** vacant parcels and making the streets **accessible to people**.

Through this study, I emphasised on how the construction of a highway in Buffalo affected **Land-Value**, the **Land-Use**, the **quality of life** and other factors across the highway.

Scajaquada Highway, Buffalo, NY

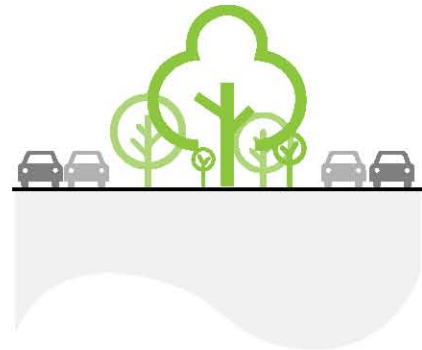
DISCIPLINE | Technical Methods - Urban Design Research
SUPERVISOR_Shannon Bassett
Clinical Professor

INSTITUTION | University at Buffalo, NY
YEAR | Spring 2017

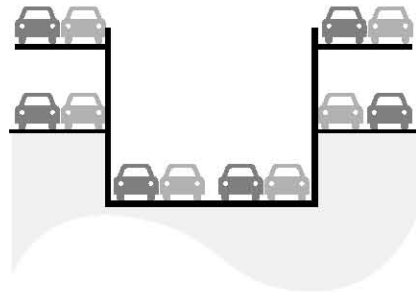


Synchronic Profile and Data Mapping
Done through ARC GIS and ARC Map

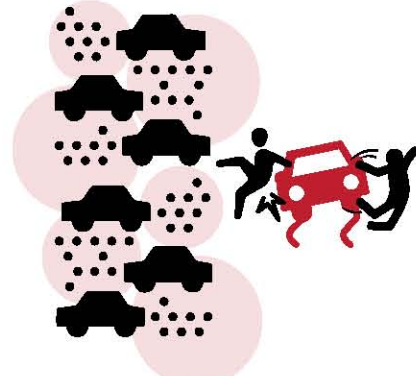
[RE]stitching Scajaquada Highway



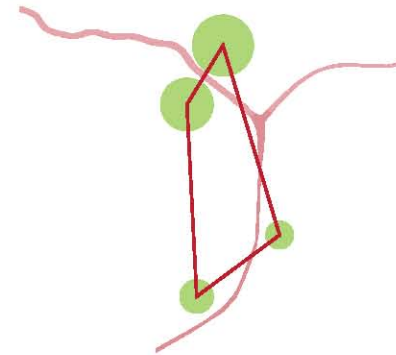
BEFORE
Olmstead Park system
designed in 1870¹



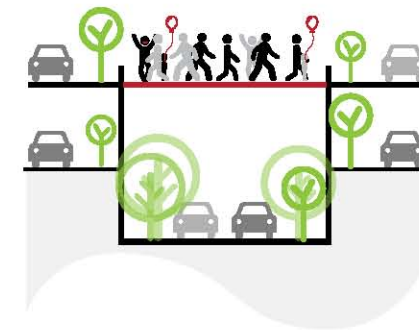
EXISTING
• 1960 Construction of the
Highway²
X-PROPOSAL³
To submerge the highway
with trees



RESEARCH
• Pedestrian and
Vehicular accidents
reported⁴
• Air pollution



[RE]stitching
• Olmstead linear park
system



[RE]stitching
• Introducing Pedestrian
walkways



[RE]stitching
• Embedding air filters

¹ KOWSKY, FRANCIS R. BEST PLANNED CITY IN THE WORLD: Olmsted, Vaux, and the Buffalo Park System. S.I.: UNIV. OF MASSACHUSETTS PR, 2017.

² Sarah, Goodyear, and CityLab. "There's a Deadly Expressway in the Middle of a Buffalo Park." CityLab. June 25, 2015.

³ Cadzow, Daniel and Booth, Justin. Cornell University ILR School. "Redesigning the Scajaquada Expressway - DigitalCommons@ILR."

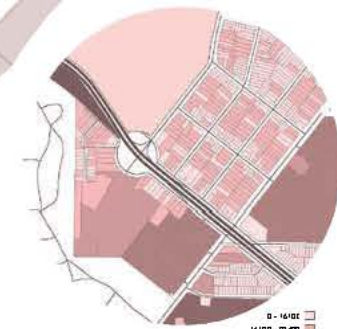
⁴ Shahid, Arisha. Mapped the population density, land value, land use across the highway using ARC-GIS and ARC_Map softwares.

Scajaquada Expressway at the Agassiz Circle

The idea is to **restitch** the two sides of the expressway by introducing walkways with planters to stimulate the once submerged **Humboldt Park** system due to the construction of the expressway in the 1960s.



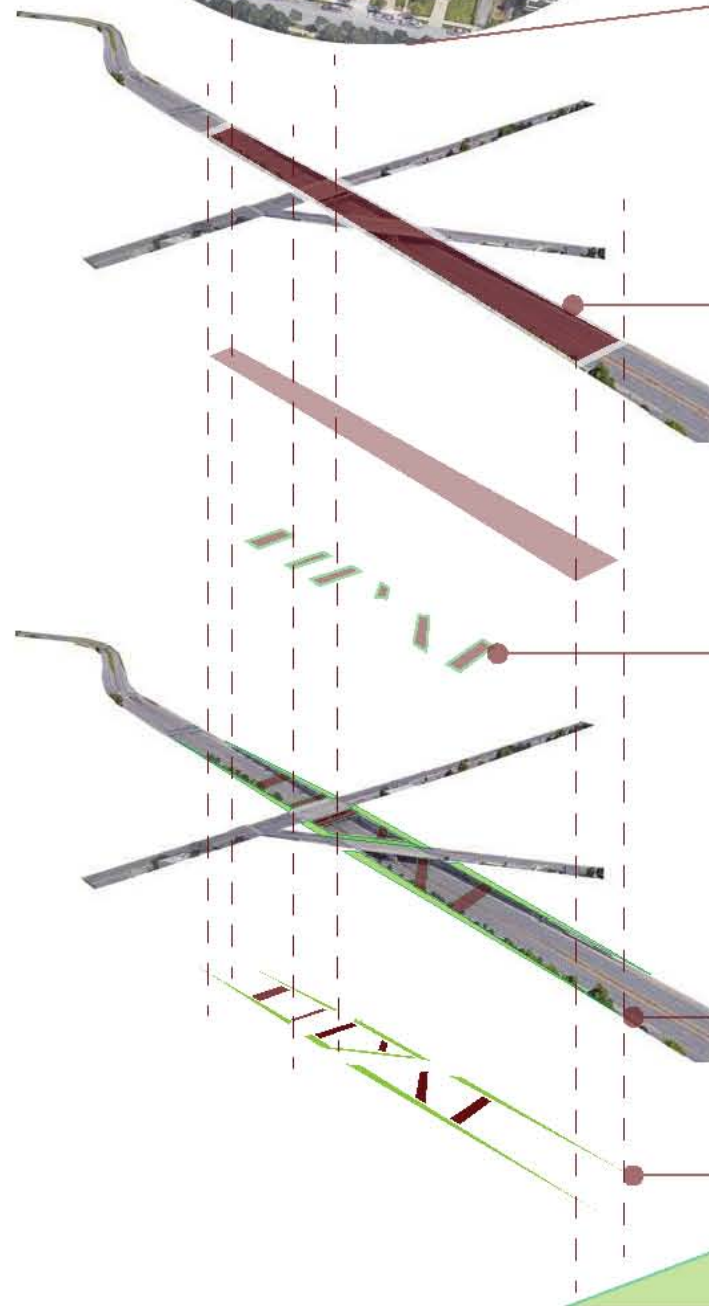
Existing Condition



Land-Value



Land-Use



Area of Intervention

Connecting two sides by bridging them together at the same level

Bringing the lost Olmsteadian linear-park Humboldt Park back by introducing planters on the walkways

Combining the layers of study and making the expressway more pedestrian friendly



Proposed View

04

[CO]existence

Articulating the Edge

The **western edge** of University at Buffalo's Main Bailey Campus presents a **compelling urban condition**.

Here, the **institutional scale** of the campus is juxtaposed with the infrastructural scale of the transfer station and the residential scale of the University Heights neighborhood. While the space has a distinct civic character, it **lacks a coherent formal articulation**.

Expansive surface parking lots on both sides of the street and the undistinguished commercial plazas exacerbate the **sense of groundlessness**.

As a studio, we investigated **formal strategies** to orchestrate the issues at various scales in order to **reveal** and **maximize their latent potential**, for each site.



Exhibition Installation, at Hayes 403, Hayes Hall,
University at Buffalo

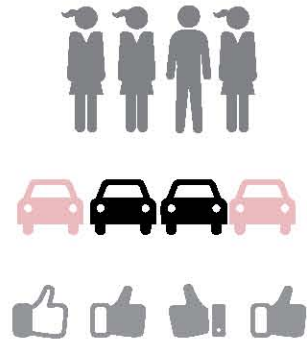
DISCIPLINE | Urban Design Studio
SUPERVISOR_Erkin Ozay
Clinical Professor

INSTITUTION | University at Buffalo, NY
YEAR | Spring 2017



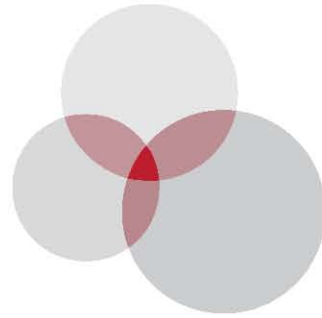
EXISTING

- Island of surface parking
- Traffic issues
- Pedestrian accidents reported



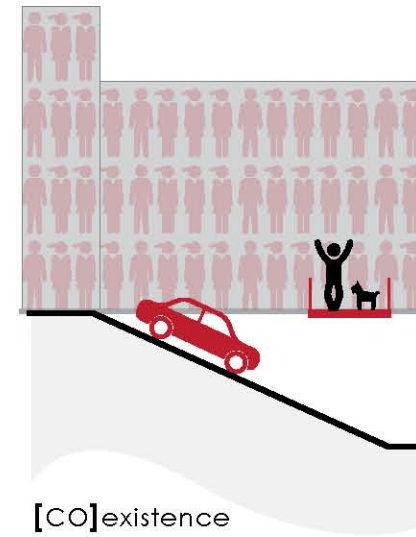
INTERVENTION

- OKAY cars!
- Multi-use plazas
- Urban-active buildings



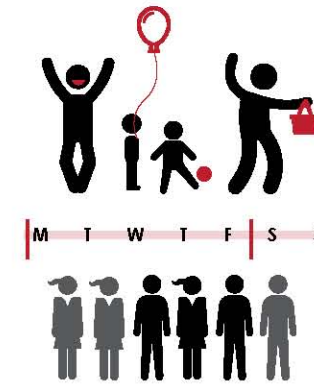
STAKEHOLDERS

- University at Buffalo
- Regional Institutes
- Town of Amherst & City of Buffalo
- Development Firms



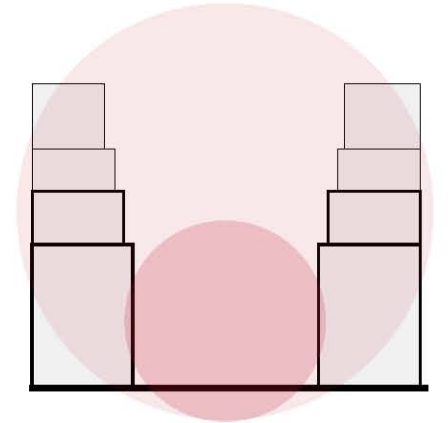
[CO]existence

- OKAY cars! Pedestrian friendly block



[CO]existence

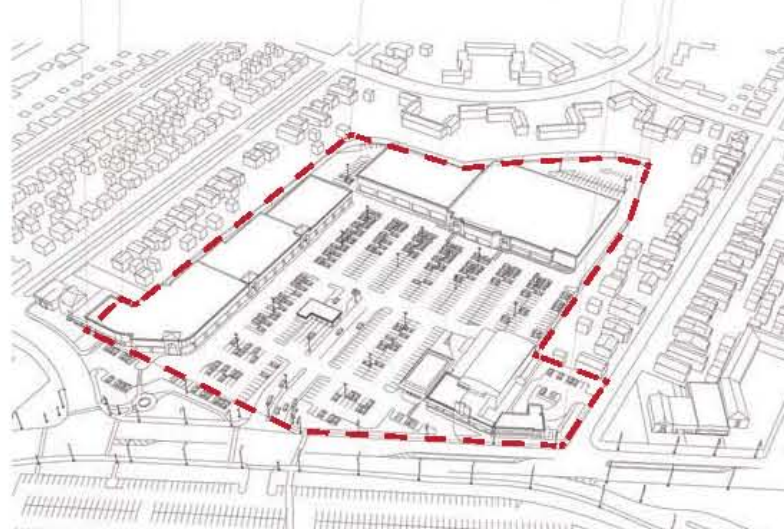
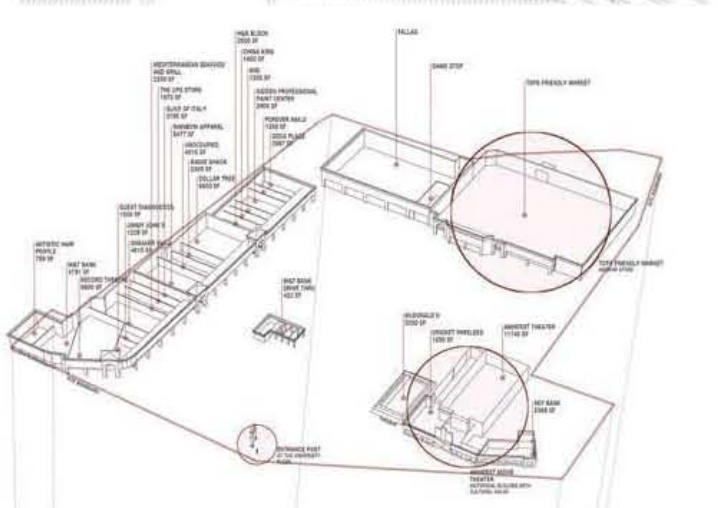
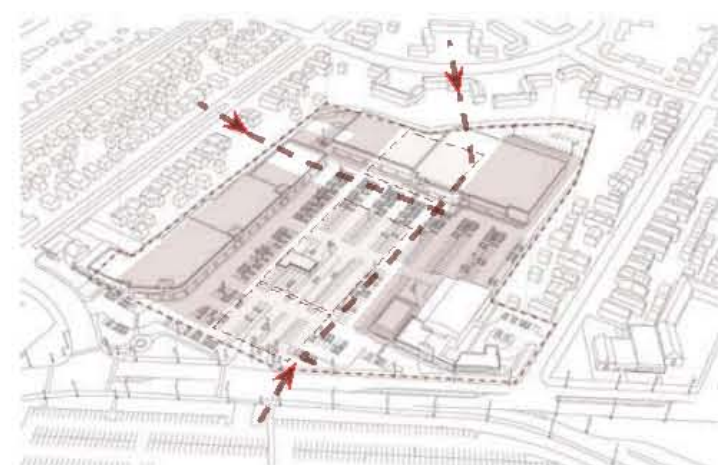
- Multi-use Plaza space



[CO]existence

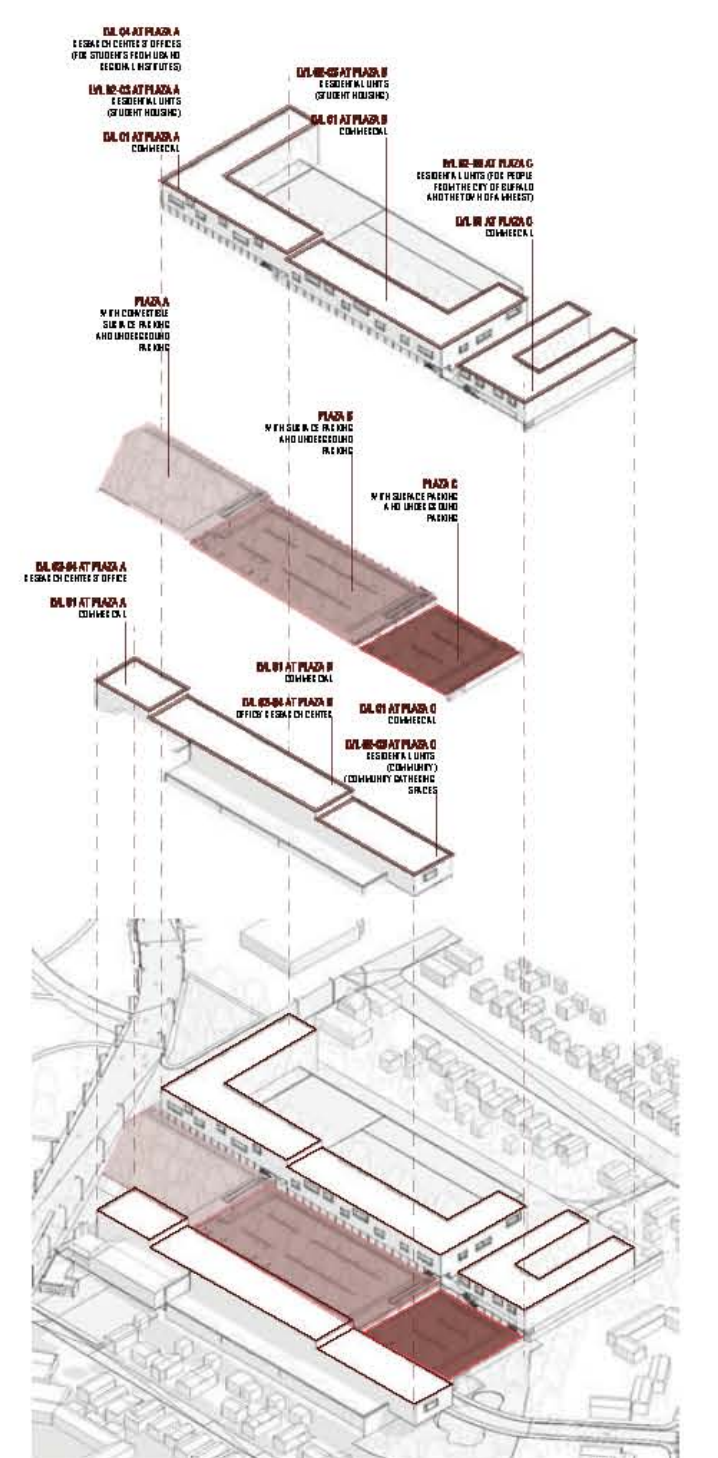
- Celebrating structures through linear buildings
- Creating a ground space for ALL

Through a drawing exercise, I built a deep understanding of the existing site conditions with their strengths and weaknesses. Introducing multiple entry points to the site, to reduce traffic pressure from the one-only existing main entrance at Main Street. Also, subdividing the land parcel into smaller units, so that each area caters to a different mixed-use program, hence further organizing the traffic flow.



Existing Site conditions

The site presents an interesting condition of about 40' drop in level from the front to the rear of the plaza. This drop in elevation gives an opportunity to bring back the historical escarpment that was once lost due to the development of surface parking.



PROGRAM: Proposed diagrams to highlight the program on the site - further showing areas benefiting the different stakeholders



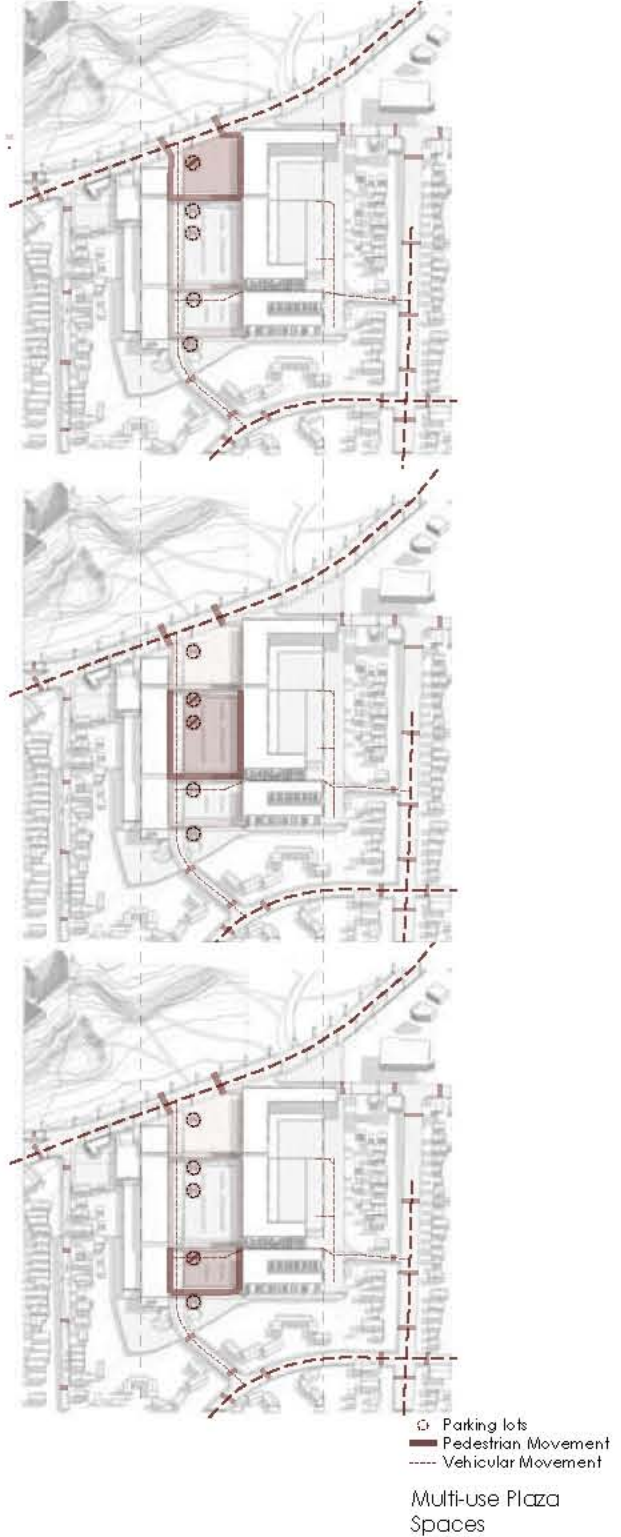
Sectional perspective through the middle plaza level

Humans are used to cars, just the way a fish is used to the water. The number of cars is not the problem. However, the number of trips between the different destinations is the problem.

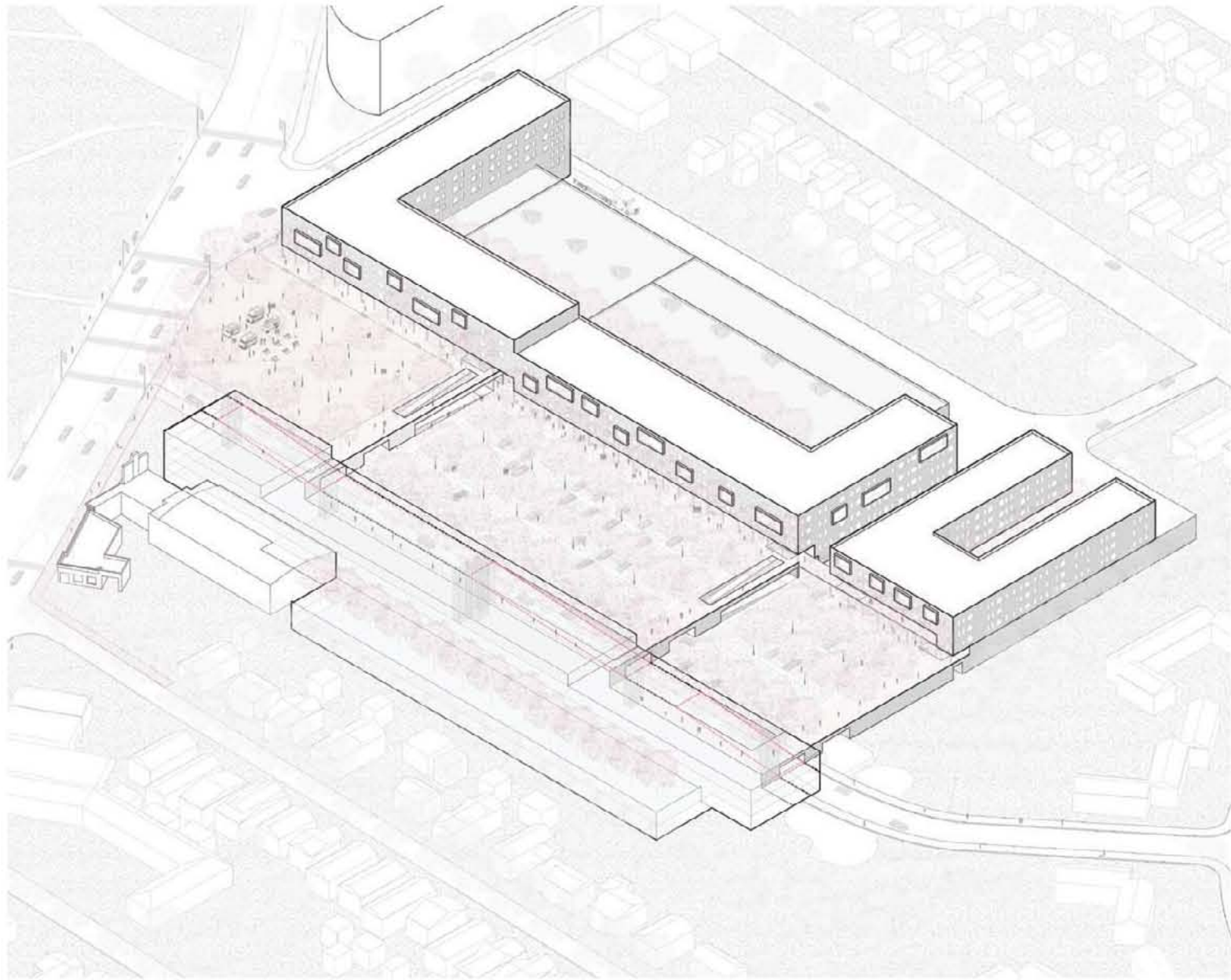
This large site is divided into land parcels, and integrated/segregated the pedestrian and vehicular movements. Cars are a necessary evil. So, OKAY CARS!



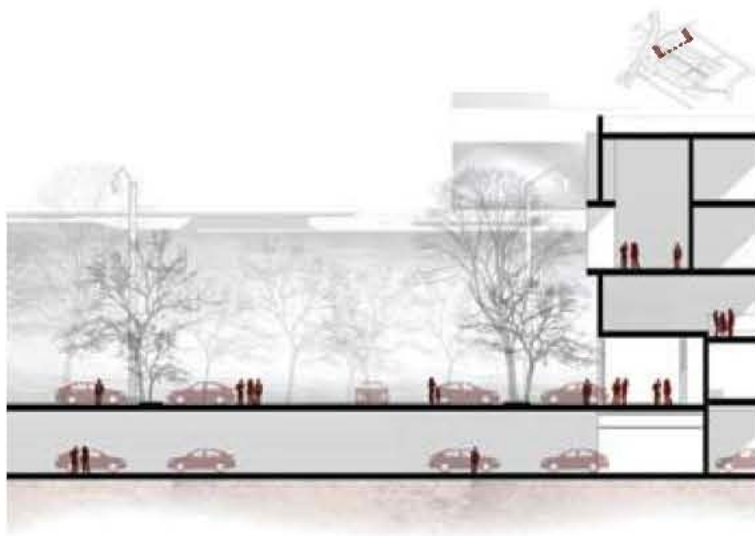
Circulation Diagrams



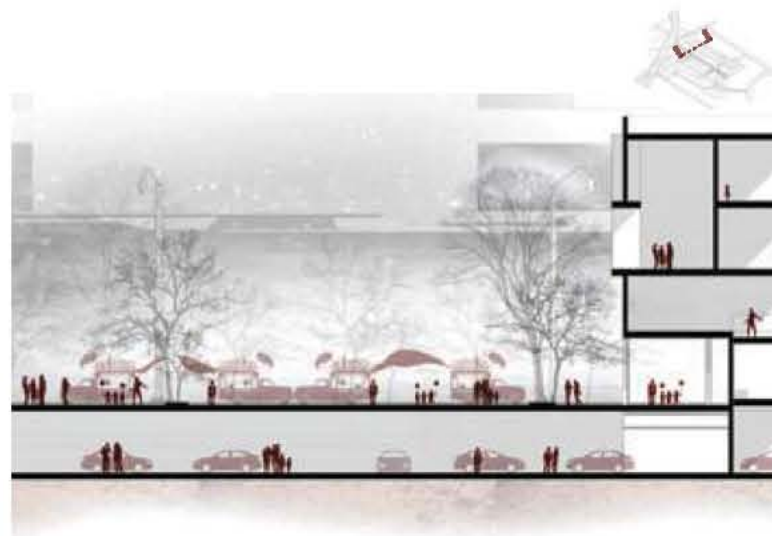
Multi-use Plaza Spaces



The one huge surface parking is sub-divided among three multi-use plaza spaces. AXONOMETRIC VIEW



Plaza space on a WEEKDAY



Plaza space on a WEEKEND



Sectional perspective through the lowest plaza level

05

WEAVING[IN] Sunnyside

Sunnyside Neighborhood, Houston, Texas

2017 Barbara G. Laurie NOMA National Student Design Competition - **THIRD PLACE**

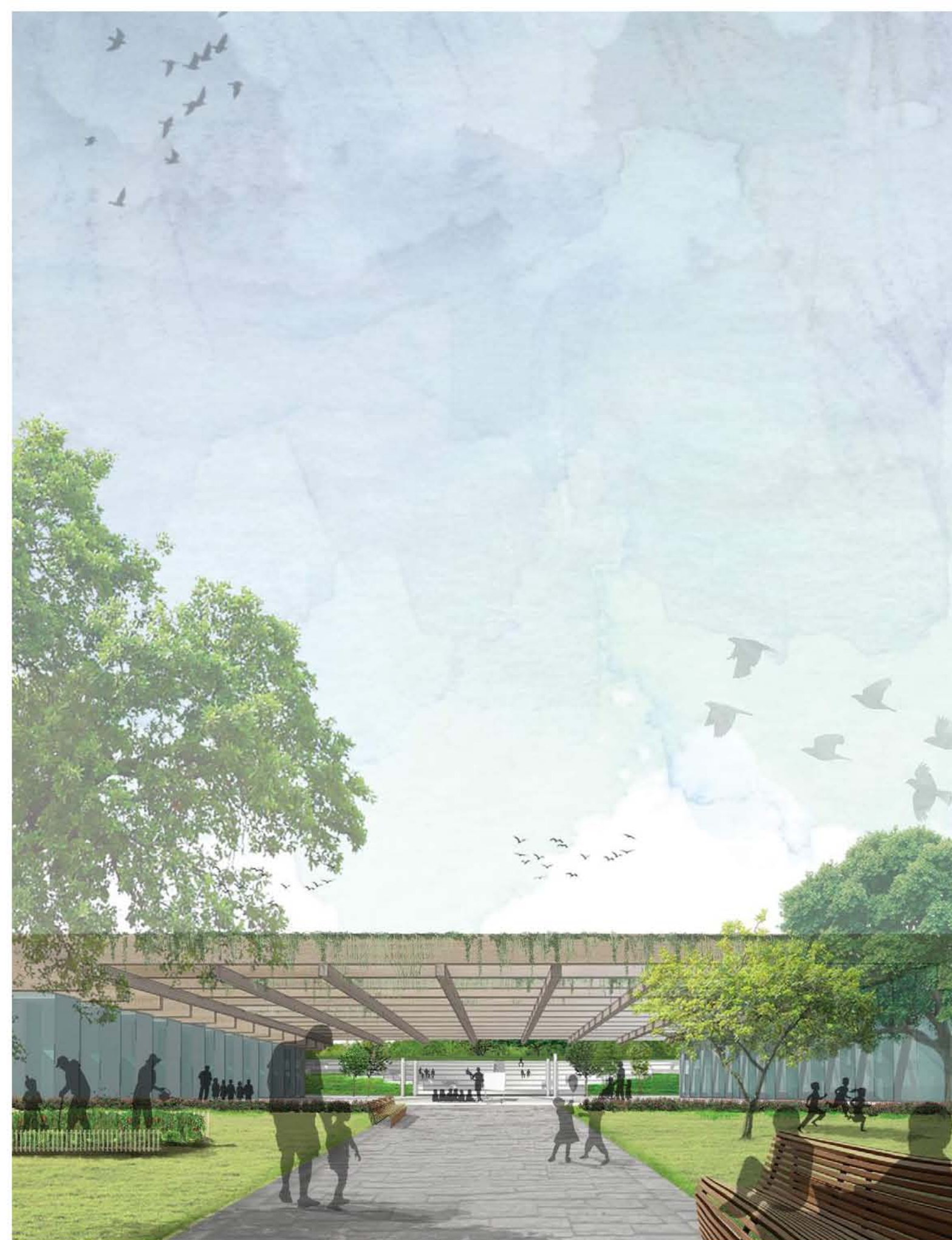
The proposal is based on the **reclamation** and **weaving in** of a derelict site in Sunnyside. Sunnyside is close to Houston yet with a **declining population** and one of America's most **unsafe neighborhoods**.

WEAVING[IN] SUNNYSIDE was one of the 20 competition entries in the **45th Annual NOMA Conference** held in Houston, Texas.

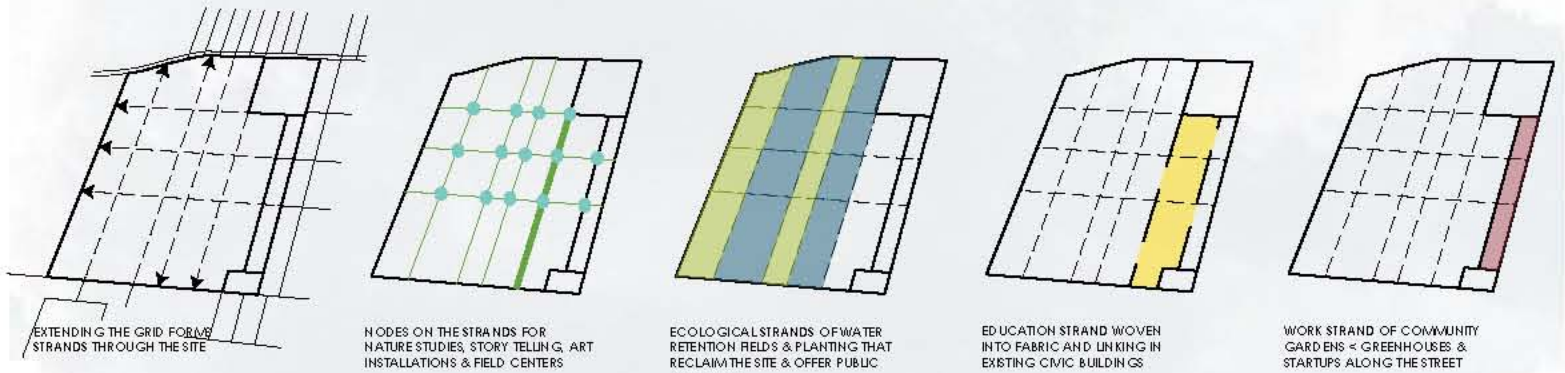
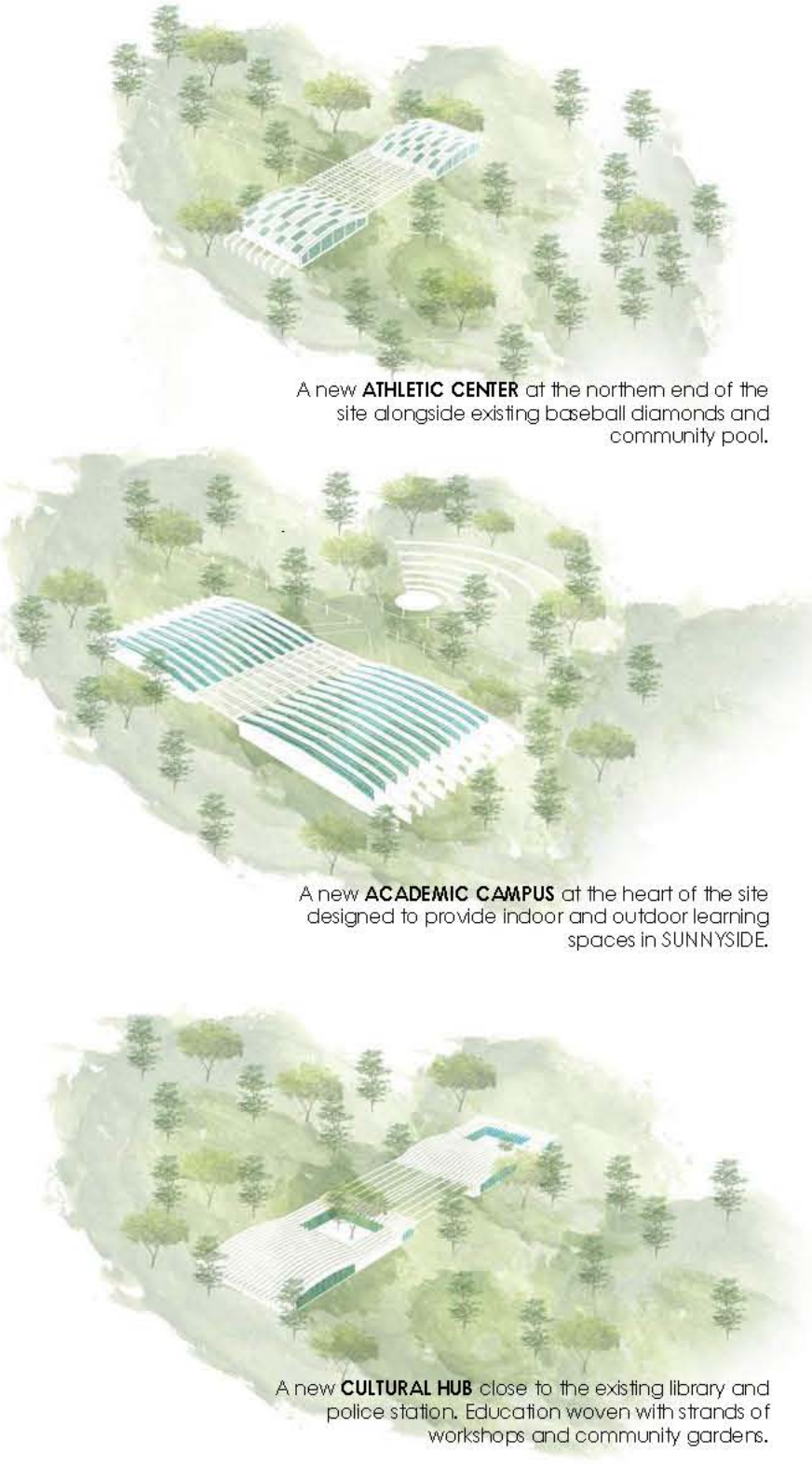
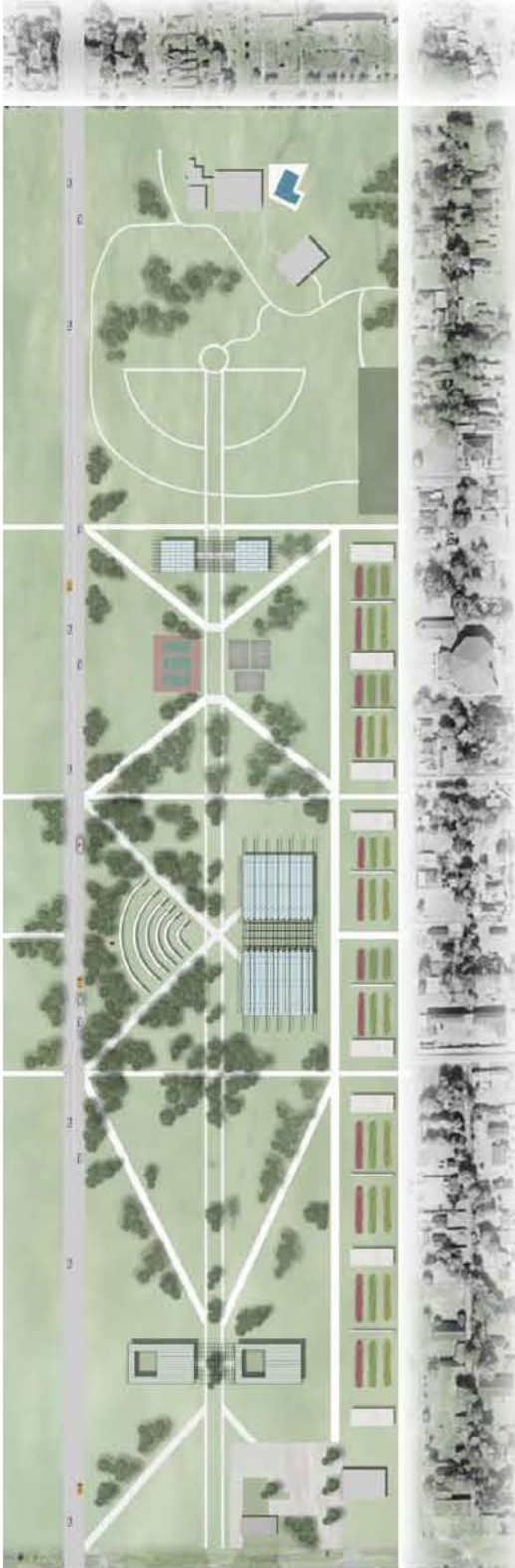
My role: I am the **President of the NOMAs** student chapter at UB. I also took lead and helped bring together the team and the work for the competition. As a team, we worked on the historical background, research and had multiple reviews with Brian Carter, the Faculty representative of UB NOMAs. We presented at the conference and won **third place** for UB.



DISCIPLINE	NOMAs Annual Design Competition FACULTY_Brian Carter Clinical Professor TEAM_Yifan He, Arisha Shahid , Samantha Su, Irene Turlan
INSTITUTION	University at Buffalo, NY
YEAR	Fall 2017



WEAVING[IN] SUNNYSIDE proposes a school consisting of a new academic campus, an athletic center and a cultural hub. The academic campus is at the centre of the site. The athletic center and cultural hub are alongside existing facilities - the public library & police station in the south and a community pool to the north.

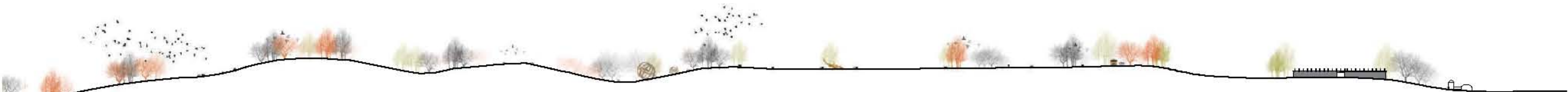


“WEB” - WEAVING THE COMMUNITY

considered on an **urban design, ecological** and **inclusive standpoint**, the site is considered to be a translucent median weaving the urban fabric to act as a **node** for education and community nhancement. The site is bisected by street grids that run along the site **weaving a grid**. The intersecting nodes are enriched with parks, sculptures, fountains, urban fruit gardens and place making landmarks that enrich the site.



Site plan across the **East-West direction** showing the various strands



Corresponding cross-section showing the water-retention pond **weaved-in** with the school

Graduating in JUNE 2018
ARISHASH@BUFFALO.EDU
716.536.7859