

Isaiah Ho

AIA, NCARB

PORTFOLIO OF WORK

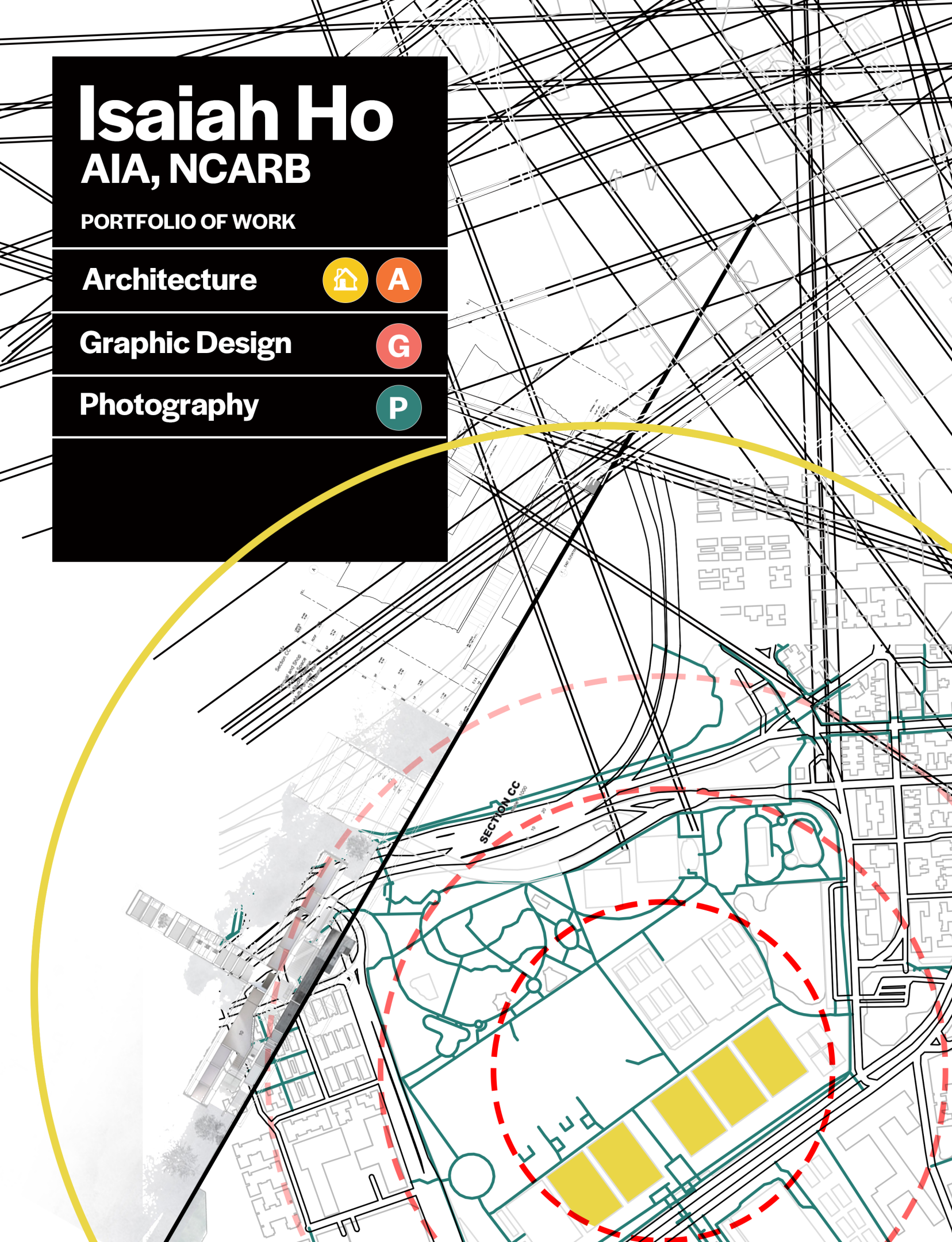
Architecture



Graphic Design



Photography



第0部分
Part 0

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Resume

4-5

第1部分
Part 1

○
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6-33

- Hickory Aviation Museum & Catawba Valley Community College Workforce Innovation Complex
- Central Piedmont Community College Spa, Salon, and Barbering Renovation
- App State University Peacock Hall Addition

第2部分
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34-45

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- Typology
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Part 3

○
University Projects

46-49

The Core

第4部分
Part 4

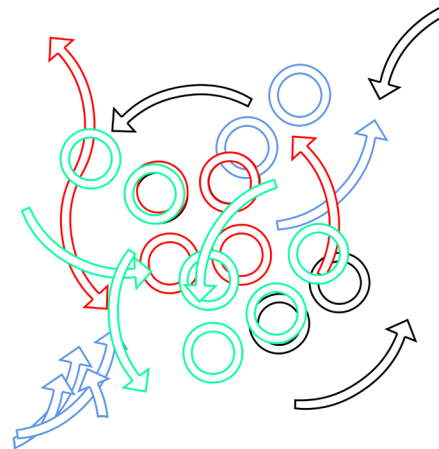
○
Other Works

50-51

- Photography
- Graphic Design Work

第5部分
Part 5

○
Future???



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experience

2022 - ongoing | architect at Mcmillan Pazdan Smith Architecture

Charlotte, NC
Focus on higher education market.
Designed across all phases
from conceptual design through
construction documentation. Active
role in construction administration,
coordinating design decisions
with consultants, engineers, and
contractors, and maintaining client
relationships for multiple mid to large
sized projects.

summer 2021 | architectural intern at McAllister Architects PC

Alexandria, VA
Holistically involved in 12 small to
large scale projects, assisting with
contract procurement, performing
site visits and surveys, and developing
schematic designs while producing
the corresponding construction
documents for permit applications in
the Northern Virginia and DC area.

accreditations

**north carolina board of
architecture**
license no. 17297

ncarb certificate
certificate no. 112181

american institute of architects
member

education

2022 | bachelor of architecture
at Virginia Polytechnic Institute
and State University
summa cum laude

workshops

**2022 | VT Design Workshop for
the Blind and Visually Impaired**
at Virginia Polytechnic Institute and
State University, coordinator

immersive workshop introducing
visually impaired students to building
design and empowering them to
play an active role in shaping their
environment through drawing and
3D-modelling exercises.

awards

2023 | best original design
Charlotte AIA CANstruction
MPS + Clancy & Theys Construction

**2022 | undergraduate thesis
award**
for "moment of crisis: be water"
Virginia Tech School of Architecture

2020 | first place
VT VA4LE 2020 Student Design
Competition

2020 | first place
IIBEC Mid-Atlantic & Virginia Chapters
Student Design Competition



software & skillsets

Autodesk
Autocad | Revit | Infraworks | Insight
Adobe
Photoshop | Illustrator | Indesign
After Effects | Premiere Pro
Lightroom
Rhino + Grasshopper
Advanced Manufacturing & Prototyping
Ultimaker Cura | Simplify3D
Microsoft Office
Bluebeam Revu
Visualization Software
Twinmotion | V-Ray | Enscape
Web Design (HTML, CSS, CMS, NodeJS, PHP)
Computer Science (JS, Python, Java)

about me

I am a young architect with experience
in higher education design, seeking
to improve the built environment and
make a positive impact in the daily
lives of those who use and live in
our creations. In my free time, I love
photography, reading books, coding,
and playing video games.

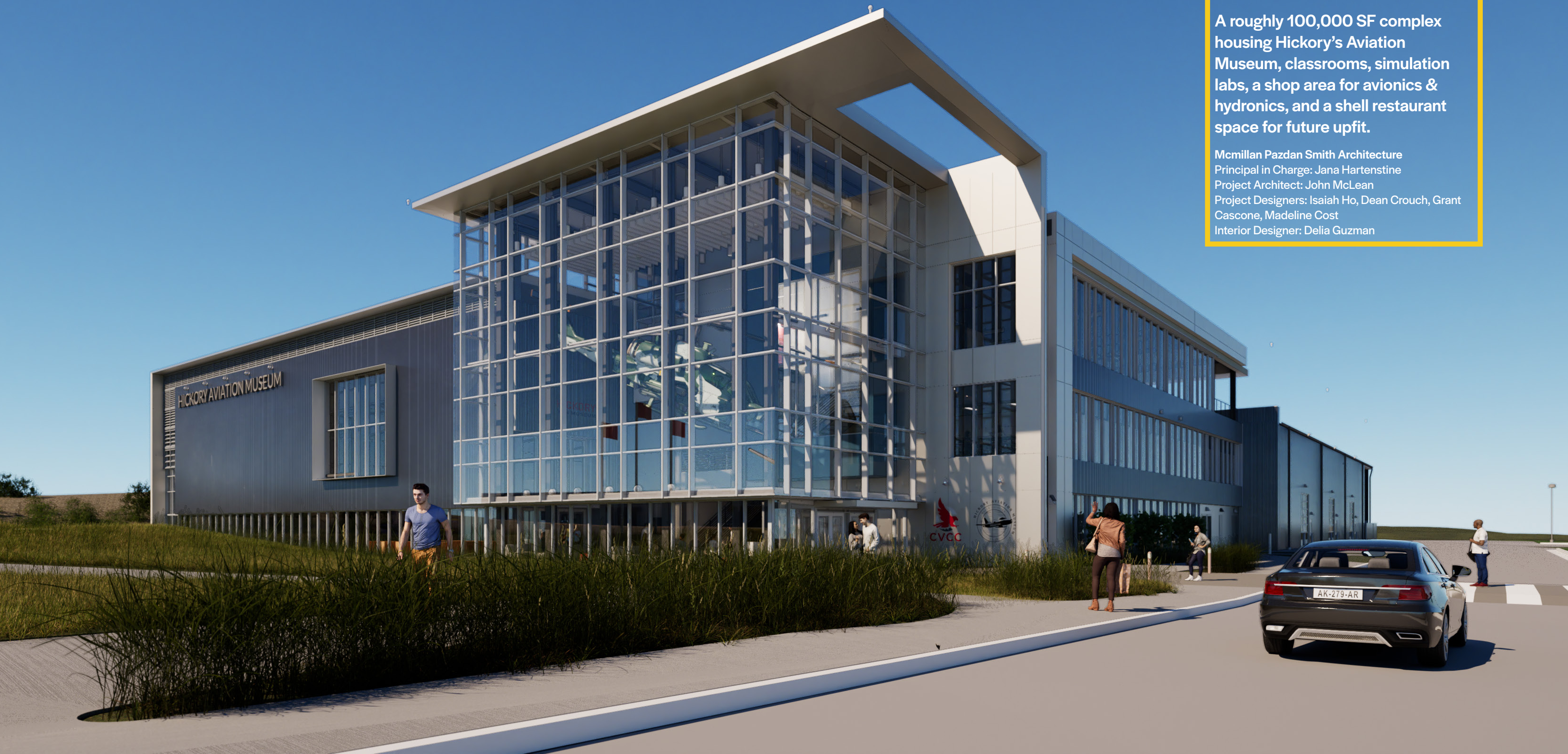
Hickory Aviation Museum & Catawba Valley Community College Workforce Innovation Complex

2023-2025
Under Construction

Hickory, NC

A roughly 100,000 SF complex housing Hickory's Aviation Museum, classrooms, simulation labs, a shop area for avionics & hydronics, and a shell restaurant space for future upfit.

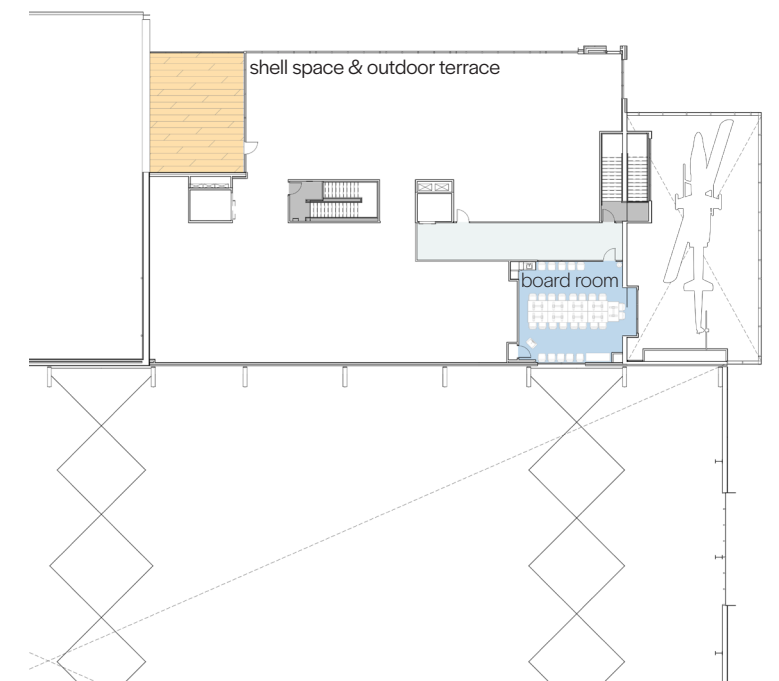
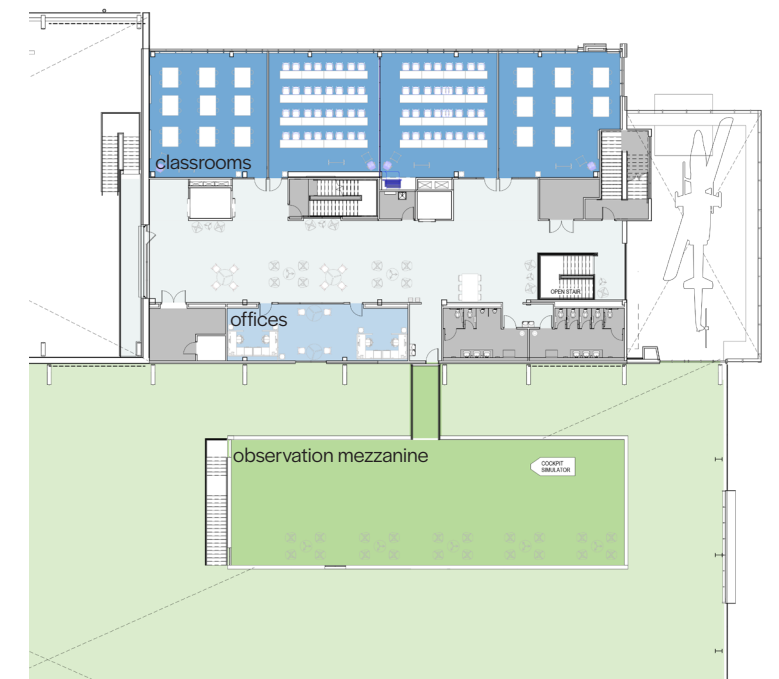
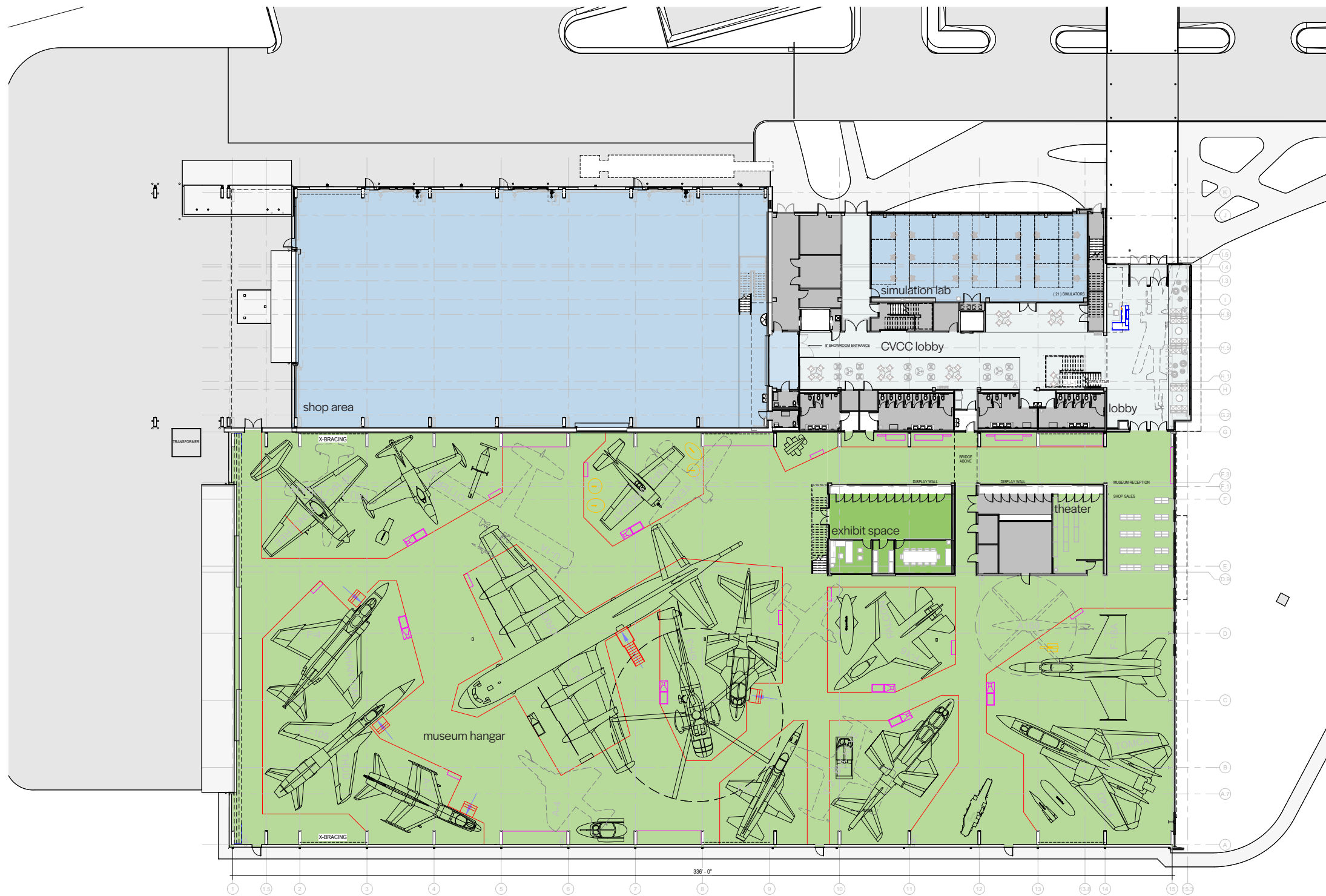
Mcmillan Pazdan Smith Architecture
Principal in Charge: Jana Hartenstine
Project Architect: John McLean
Project Designers: Isaiah Ho, Dean Crouch, Grant Cascone, Madeline Cost
Interior Designer: Delia Guzman





A unique collaboration between the city of Hickory, Hickory Aviation Museum, and Catawba Valley Community College, this 100,000 SF project serves as a keystone educational institution promoting military aviation and preserving aviation history while raising up the next generation of the aviation workforce.

Situated on the Hickory Regional Airport grounds, the building features a hangar that houses the museum's aircraft collection, a simulation lab, classrooms, and third floor shell space for a future restaurant. A large shop area allows for a variety of avionics and hydronics workshops to be set up for education and practical application.





pictured above: CVCC lobby and main entrance to the building
pictured top right: east facade of the building
pictured right: view of the main lobby, looking towards the museum entrance

pictured below: museum hangar and observation mezzanine
pictured from top to bottom on right: classroom, shop area, and CVCC lobby corridor
on the next page: construction photos







Central Piedmont Community College Spa, Salon, & Barbering Renovation

2024-2026
Estimated Completion

Charlotte, NC

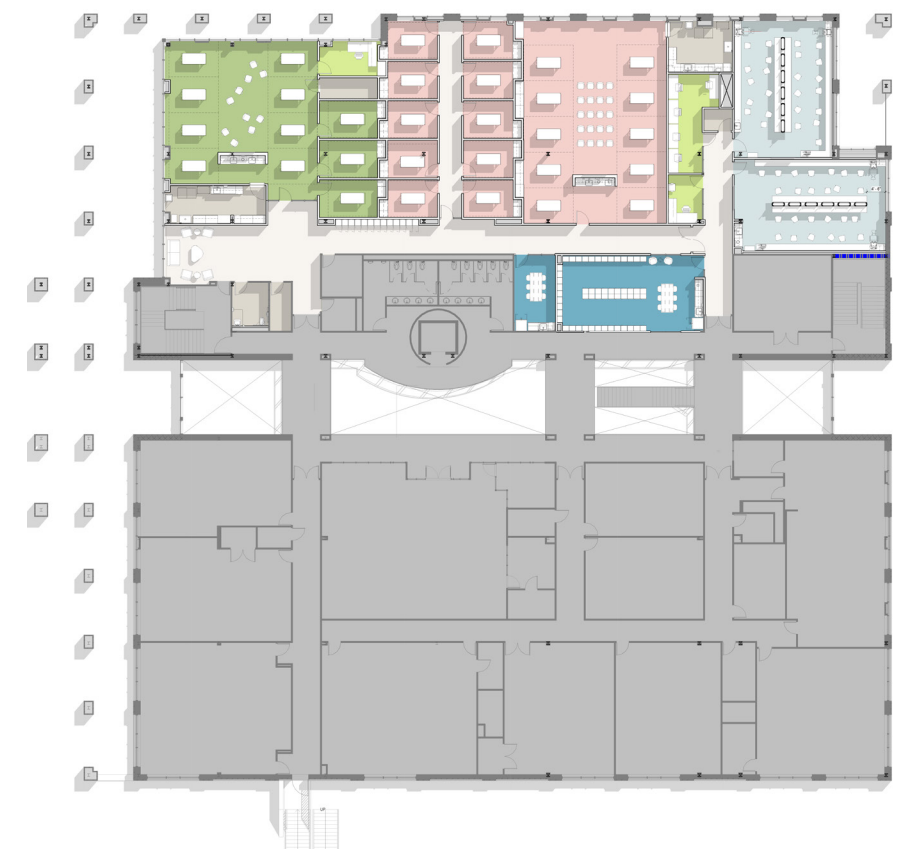
A 24,000 SF renovation of an existing classroom building on Central Piedmont's Harris campus, rehusing their existing salon and massage therapy programs, and introducing a new barbering program.

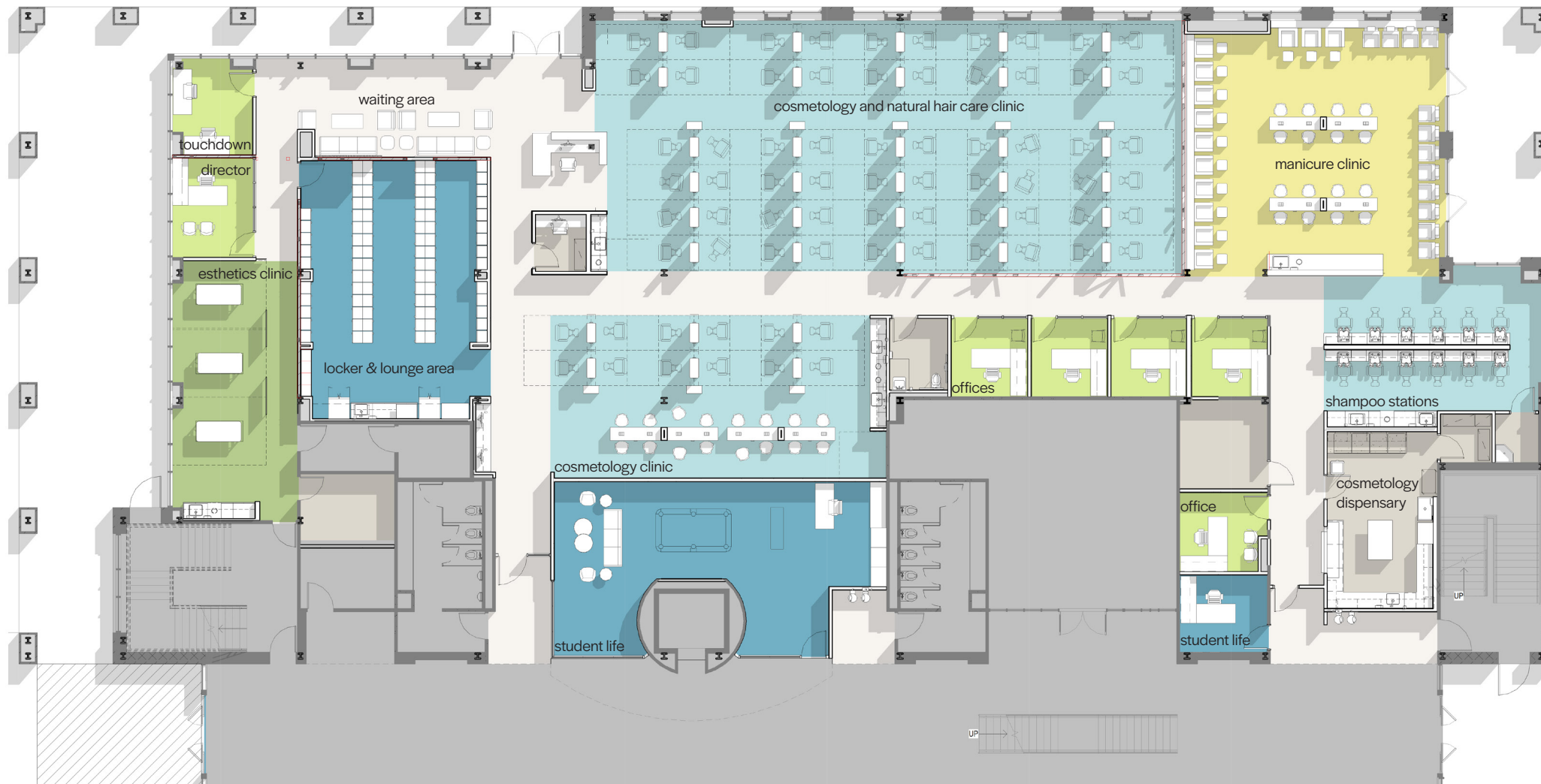
McMillan Pazdan Smith Architecture
Principal in Charge: Jana Hartenstine
Project Architects: My Do & Isaiah Ho
Interior Designer: Delia Guzman

The project team was tasked with developing new clinic and practice spaces for rapidly growing cosmetology and massage therapy programs - some locations in North Carolina have over 500 people on the waitlist to get into a program. The first floor houses 80 workstations for cosmetology and natural hair care work, and a dedicated area for those practicing solely manicure or esthetics.

The barbering program will be brand new for CPCC, tapping into a market that has large potential for growth but has not seen the needed support from the education side yet. 26 stations allow for a full cohort of students, running both day and evening shifts.

Upstairs houses the esthetics and massage lab classrooms, along with the private massage suite for public clients. Classrooms for theory and first year practice are also located on the second floor.



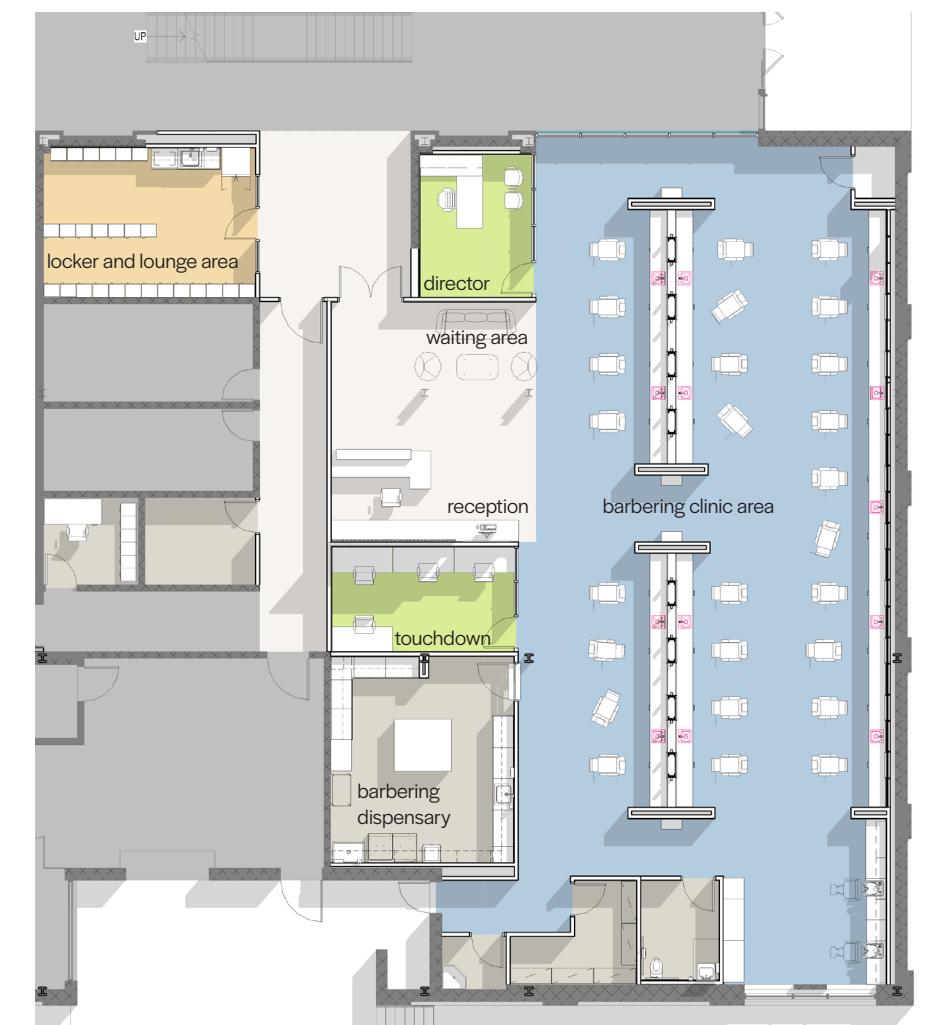


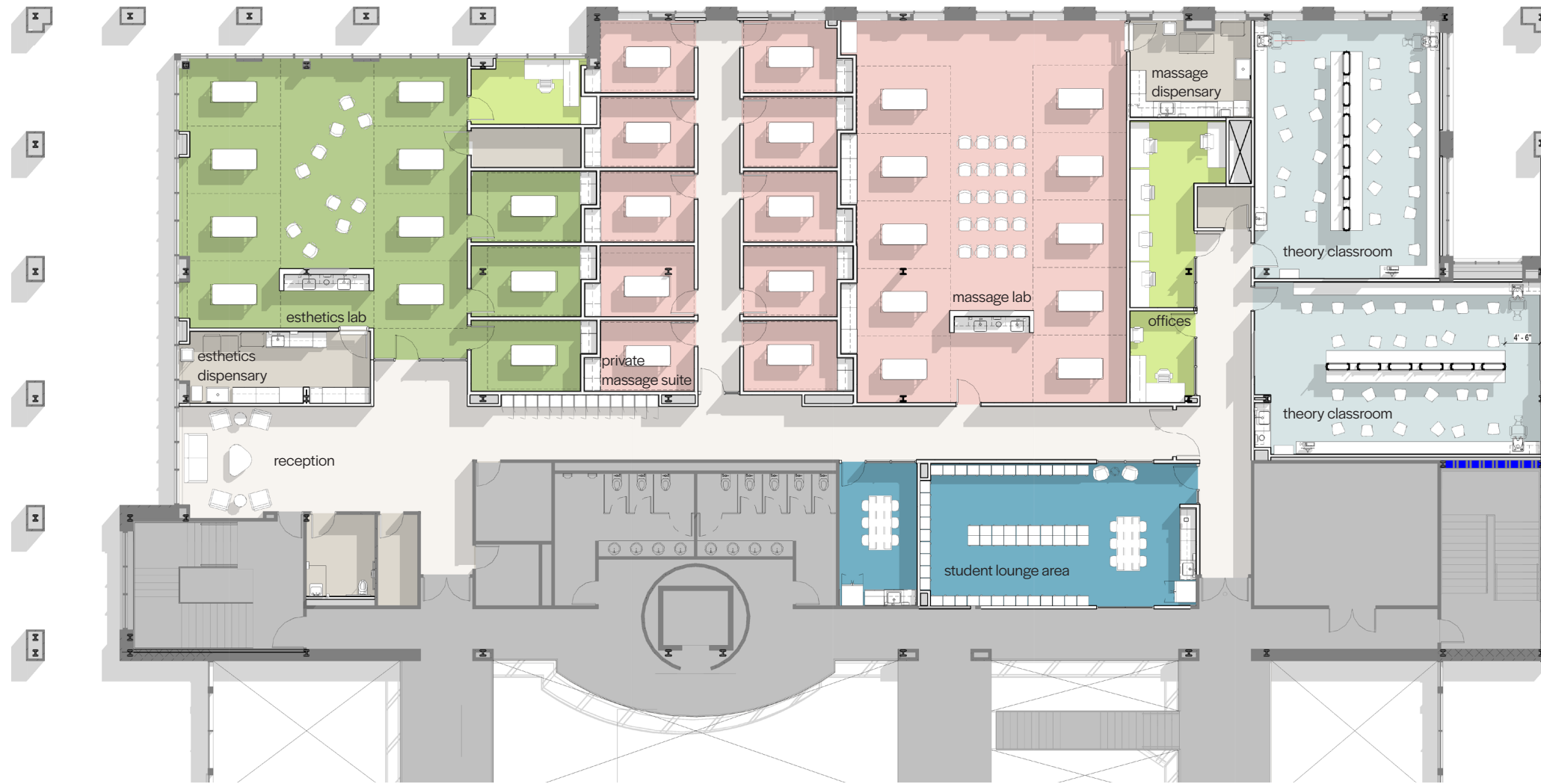
Cosmetology programs have strict requirements and regulations on clinic space, defining the types of spaces required, the spacing between stations, and various other constraints, making the problem of space planning a challenging but fun exercise.

Key to the function of the clinic space is the locker and lounge area for incoming students, and the dispensary, where hair products are kept and laundry is done. Offices are positioned to have clear views of the stations, allowing faculty to constantly observe students.

A unique challenge was the presence of existing structural shear walls, forcing the design team to think outside the box and embrace the existing condition.

The barbering area posed its own unique challenges - the existing space was designed for a baking and pastry arts program, resulting in little natural light. A translucent wall panel system was designed to help mimic the presence of natural light in the space without modifying the envelope, which would be costly.





A key consideration during the planning process was that esthetics and massage therapy are much quieter programs and do not have the same sound or activity level as the louder cosmetology and barbering programs down on the first floor. These programs have been separated from the theory and first year classrooms and student lounges on the southeast portion of the floor plan. These programs use an interactive learning layout, frequently switching from lecture to practical application at the massage beds on the perimeter of the classroom. A secondary reception area allows for massage therapy students to receive clients after they have checked in downstairs.

pictured below: cosmetology & massage therapy reception desk area
pictured from top to bottom on right: cosmetology workstations,
custom millwork and photo cube, esthetics lab classroom



pictured on top left: student lounge area
pictured on bottom left: private massage room
pictured on right: barbering area with translucent wall panel





**Appalachian State
University Peacock Hall
Addition and Renovation**

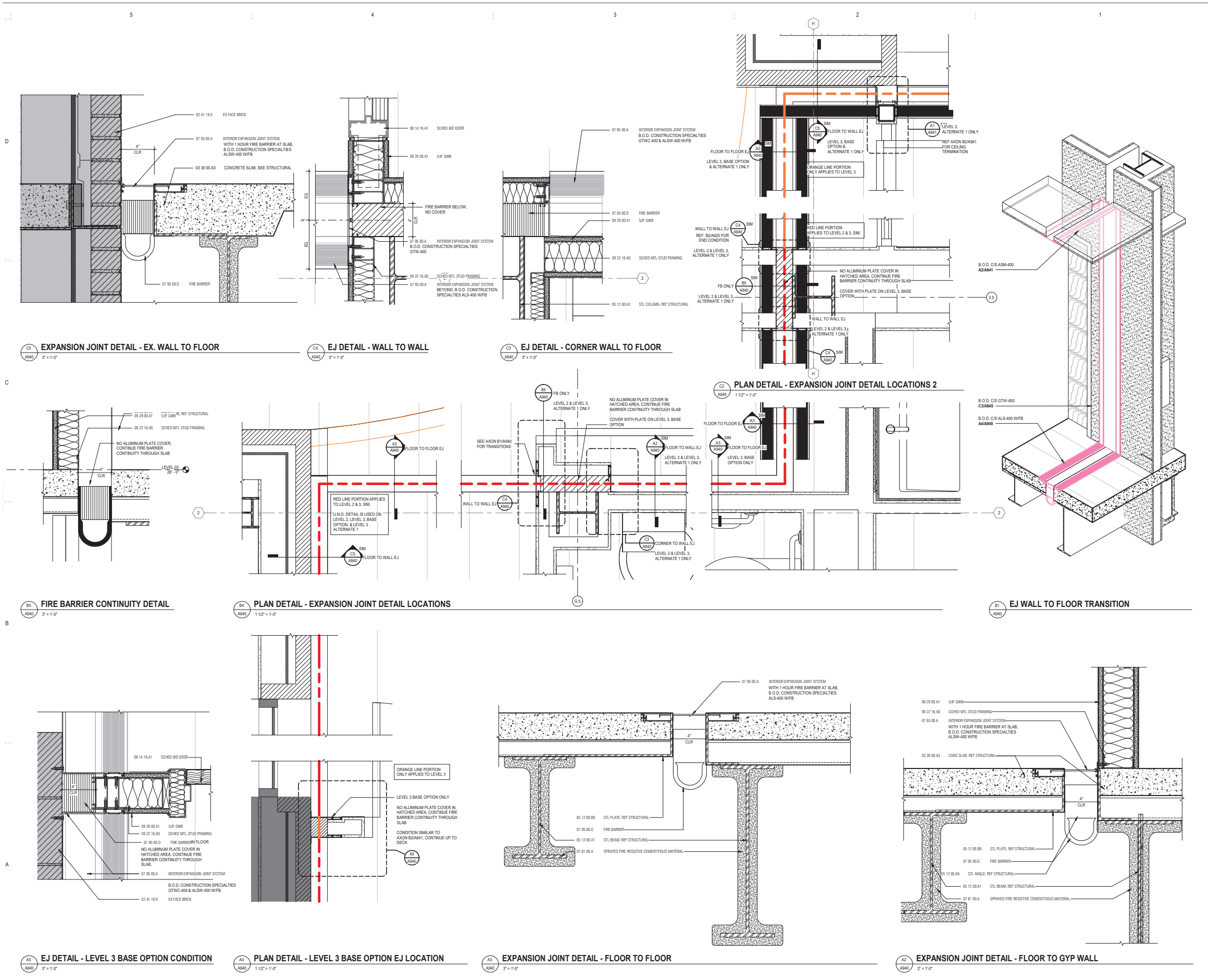
2022-2026
Estimated Completion

Boone, NC

A 50,000 SF addition and renovation of Peacock Hall, home of the Walker College of Business, brings new classrooms, learning labs, and large common areas for collaboration and campus events.

McMillan Pazdan Smith Architecture
ikon5 Architects

Design Team: Scott Baker, Matt Allen, Lynn Halling,
Isabella Giammatteo, Saverio Manago, Chelsea
Granado, Sam Olmstead, Isaiah Ho



My work on this project focused primarily on producing the construction documentation, with a focus on the complex interior expansion joints dividing the existing building and the new addition.

Ensuring continuity of the expansion joint and managing transitions between floor, wall, and ceiling resulted in a enlarged plan showing all locations of sections and details and what floor they appeared on.

Architecture Thesis
Recipient of the Virginia Tech School of Architecture 2022 Undergraduate Thesis Award

ES STAKES
ers who use violence in 'terrorist activity'
re also says city is at critical for a tough police crackdown

"The most pressing desire for most Hong Kong residents now is an end to the violence and a return to stability and order in Hong Kong as soon as possible," the office said.
The remarks yesterday came after heightened violence on Sunday, with tense clashes between protesters and police in Tsun Shui Tsun, Sham Shui Po, Wan Chai and Kwai Chung, including the first instance of police firing tear gas in an enclosed MTR station in Kowloon.
Protesters fought back with bricks and petrol bombs, in a continuation of their hit-and-run strategy.
Shocking scenes of police violence on Sunday marked the 10th week of anti-government protests in the city that were initially sparked by a now-shelved extradition bill.
Yang also said that Hong Kong had reached a "critical moment", urging people to stand up and reject illegal behaviour and the actions of "violent radicals", which he described as the city's most pressing goal.
The short HKMAO press conference was its third such briefing on the protests - and also the third since Hong Kong's sovereignty was transferred from Britain to China in 1997.
Last week, Zhang Xiaoming, director of the office, visited a Shenzhen seminar that the city had reached its "most serious situation" since its handover to Beijing.
Protesters also held a press briefing yesterday, with masked representatives criticising police handling of the protests on Sunday and reiterating their five key demands - including officially withdrawing the extradition bill.
"We will continue to monitor the situation."
In its statement, the liaison office also called on the public to support the city's government and police to end the unrest, and to safeguard the "one country, two systems" arrangement.

HONG KONG — Carrie Lam, the chief executive of Hong Kong, has a very loyal majority in the territory's legislature. She has the complete backing of the Chinese government. She has a huge bureaucracy ready to push her agenda.
Yet on Saturday, she was forced to suspend indefinitely her monthslong effort to win passage of a bill that would have allowed her government to extradite criminals to mainland China, Taiwan and elsewhere. Mrs. Lam's decision represented the biggest single retreat on a political issue by China since Xi Jinping became the country's top leader in 2012.
Huge crowds of demonstrators had taken to Hong Kong's streets in increasing violent protests. Local business leaders had turned against Mrs. Lam. And even Beijing officials were starting to question her judgment in picking a fight on an issue that they regarded as a distraction from their real priority: the passage of stringent national security legislation in Hong Kong.
The risk for the Hong Kong government is that the public, particularly the young, may develop the impression that the only way to stop unwanted policy initiatives is through violent protests. With each successive major issue since Britain returned Hong Kong to China by rule in 1997, the level of violence at protests has risen before the government has relented and changed course.
As many as a million people marched peacefully a week ago against the extradition bill. But

HONG KONG — Hundreds of thousands of demonstrators gathered in peaceful protests on Saturday as Hong Kong commemorated its return to China in 1997, but the city's fracturing along ideological lines was on full display. A small group of activists who broke into the legislature and smashed glass and overturned chairs in the chamber.
The speaker in the chamber said evidence of the violence was the former British colony is not the former British colony and the Beijing-allied government — the protesters are increasingly at odds with one another.
On Monday, as activists armed with metal rods and makeshift battering rams were on the cusp of breaking through the doors of the Legislative Council, a group of veteran protesters sympathetic to their cause headed with them to reconSIDER the shaking the heads. Some were on their knees, shouting "Please ask if it's worth it," said Lydia Mo, a former black-masked protester. "Think about your mother."
The advice went unheeded.
The confrontation made clear that the protest movement that has been handed down to the young as citizens' anger at meddling from the mainland is at a crossroads. Until now, protesters have recognized leaders and used encrypted messaging to crowdsource their direction. But the pitfalls of that approach have begun to emerge, with protesters disagreeing over tactics and goals and lacking a consistent position from which to negotiate — even as the government toughens its stance.

港府派191億紓困 惠民振經濟 A2 A4
愛中國·愛香港·愛自己

Protests Tie Up Airport Again In Hong Kong
Officials Obtain Order Blocking Unrest
This article is by Mike Ives, Ezra Cheung and Elsie Chen.
HONG KONG — Anti-government protesters clashed with Hong Kong riot police on Tuesday, crippling the airport for the second straight day and targeting a potent symbol of the city's position as a global center of commerce and finance that is essential to China.
The mass protests have forced the airport to suspend check-ins, creating long delays for passengers and forcing airlines to cancel hundreds of flights over the past two days. After a chaotic night, check-ins resumed on Wednesday morning, but the airport warned that flights would be rescheduled, and Hong Kong's flagship carrier said there could



Clashes broke out Tuesday at Hong Kong International Airport after protesters attacked a man accused of being an impersonator.

moment of
REVOLUTION

FOR WHAT WE DESERVE.
香港人は戦う、
200万人の香港人は今、自分の街の未来のために戦っています。
守るべきもののために。
自由のため、中国移送反対のため、香港の未来のため、皆さんのレポートが必要です。
私たちは、世界各国政府がG20サミットの会議上で、香港の問題を議題として取り上げてくださることをお願いいたします。
#香港加油 #G20 #SUPPORTHK
LAM YIU-FEI FOR THE NEW YORK TIMES

Continued on Page 16
HOW IT ALL BEGAN A sensational murder case helped set off the protests in Hong Kong. PAGE 14

Continued on Page 16
A sensational murder case helped set off the protests in Hong Kong. PAGE 14

CATCH HONG KONG AS WE FALL
THE LAST STAND FOR FREEDOM
INERTIA The U.S. has taken a hands-off approach to conflicts as Asia steps in. PAGE A9

be water be water be water be water isaiah ho 5th year virginia tech advisor: andrew gipe-lazarou
Contact your Senators and Representatives to support or become a co-sponsor to the Hong Kong Human Rights and Democracy Act of 2019 (H.R. 2058), H.R. 1938 and to support the introduction of legislation to suspend U.S. sales of munitions and other crowd control equipment to the Hong Kong police.
*Dear allies to Hong Kong's fight for freedom, tell our story—especially if we can no longer do it ourselves.
Fight For Freedom. Stand With Hong Kong.

REVOLUTION OF OUR TIMES
時代革命
A Film by Hongkongers
香港人作品
THE TIMES DIDN'T CHOOSE US WE CHOSE TO CHANGE THE TIMES
FESTIVAL DE CANNES SPECIAL SCREENING
Captain Acosta summed up the majority of Venezuelans were left without sufficient food and medicine.

Nowhere in the world would tolerate these heinous and extreme atrocities
LIAISON OFFICE
description should be followed in determining what was terrorism.
"There were protesters who used lethal weapons to attack police officers," Tang said.
"We will continue to monitor the situation."
In its statement, the liaison office also called on the public to support the city's government and police to end the unrest, and to safeguard the "one country, two systems" arrangement.

極權 對抗 自由

自由對抗極權的勇氣

and It Ho

不是時代 是我們選擇



**there is a
c r i s i s
in hong kong.**

**a culture is going
e x t i n c t .**



This thesis is a statement about what could be and should be - a remembrance of what used to be, and what is to come. It is a reminder that architecture has a voice and the agency to radically change things. In this case, this opportunity is my attempt to reclaim the one that got away, an escape.

It is already too late to save Hong Kong and the way of living that existed for 20 years. Hong Kong is in a constant state of disappearance; nothing can survive in the city. And yet, as Karen Cheung writes in her memoir, *The Impossible City*:

in a place that had never allowed you to write your own history, even remembrance can be a radical act.

Architecture cannot come alive without the people that inhabit it. And it is through people that things are allowed to survive, to be passed from generation to generation. In some sense, this thesis is about the power of architecture and the people who live and interact with it. Architecture is a medium of cultural impermanence, a vehicle of life and memory, an expression of collective consciousness, the spirit of community. It can accomplish this through the use of a parasitic modular kit-of-parts architecture, breaking down the elements that define wall, roof, building into parts accessible for the masses and easily moved and distributed. Architecture now becomes universally comprehensible and creatable with simple techniques, which makes the above possible.

Maybe I'm just trying to prove to myself that I am a Hong Konger - that through this thesis my work will allow me to call my heritage a city I belong in. Maybe it's the guilt I feel for being fortunate enough not to be stuck in the chaos, to be an armchair activist, cheering on from the sidelines. I don't get to choose my circumstances or the privileges that I get. But I have the opportunity to resist it and to do something - and that is what this thesis is.

bookstore as typology

Proverbial hearth of democratic culture in Hong Kong
Bastion of free speech and dissemination of
knowledge between mainland China and Hong Kong

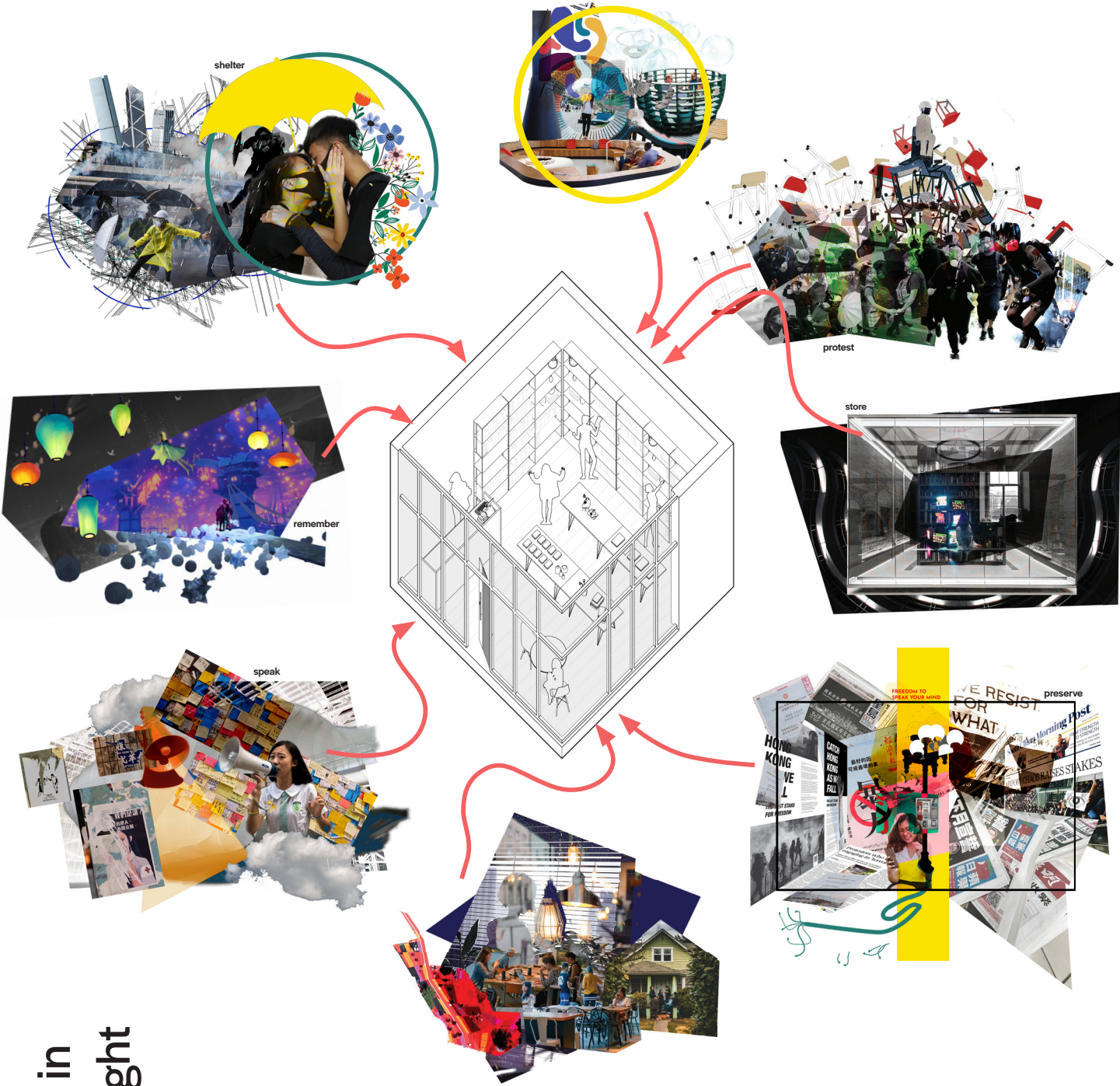


hmm? got what?



i've got it claire.

it was right in front of us the
whole time: a bookstore.



hidden in
plain sight



16 day trip - 10 locations across Hong Kong metropolitan area

- 1 Leung I Fong
- 4 Tai Ping Shan Street
- 11 Mee Lun Street
- 18 Cochrane Street
- 7 Mallory Street
- Victoria Park
- 132 Nathan Road
- 41 Dundas Street
- Mong Kok Market
- 5 Cheung Yee Street

11 Mee Lun Street floor plans Pop-up store

The third location is Mee Lun Street—a pedestrian walkway tucked away from the bustling main streets.

This location was picked in particular because it showcases the way this project can activate spaces far beyond the physical boundaries of the space the architecture inhabits.



day 5

Morning

Evening

Protest



hey noir, we did it.

I was worried it wouldn't stand up,
that we made a miscalculation in the
designs. But wow. She's perfect.

I just hope that the books don't
get wet.

don't jinx it.



noir, watch out!

put your mask on, quick
here's a table top.
use it as a shield - we don't have

time - we need to leave now.

thanks, claire. let's get out of here.

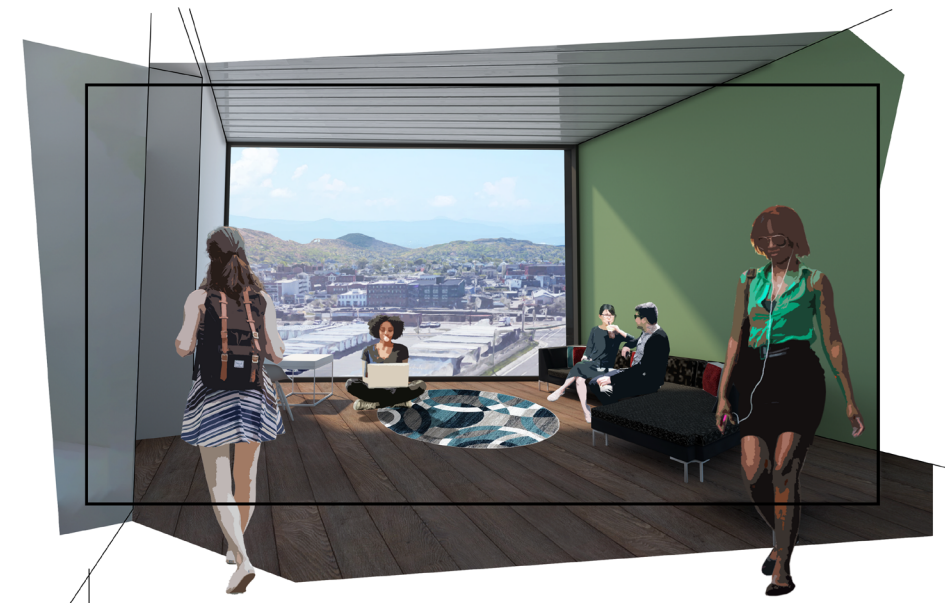
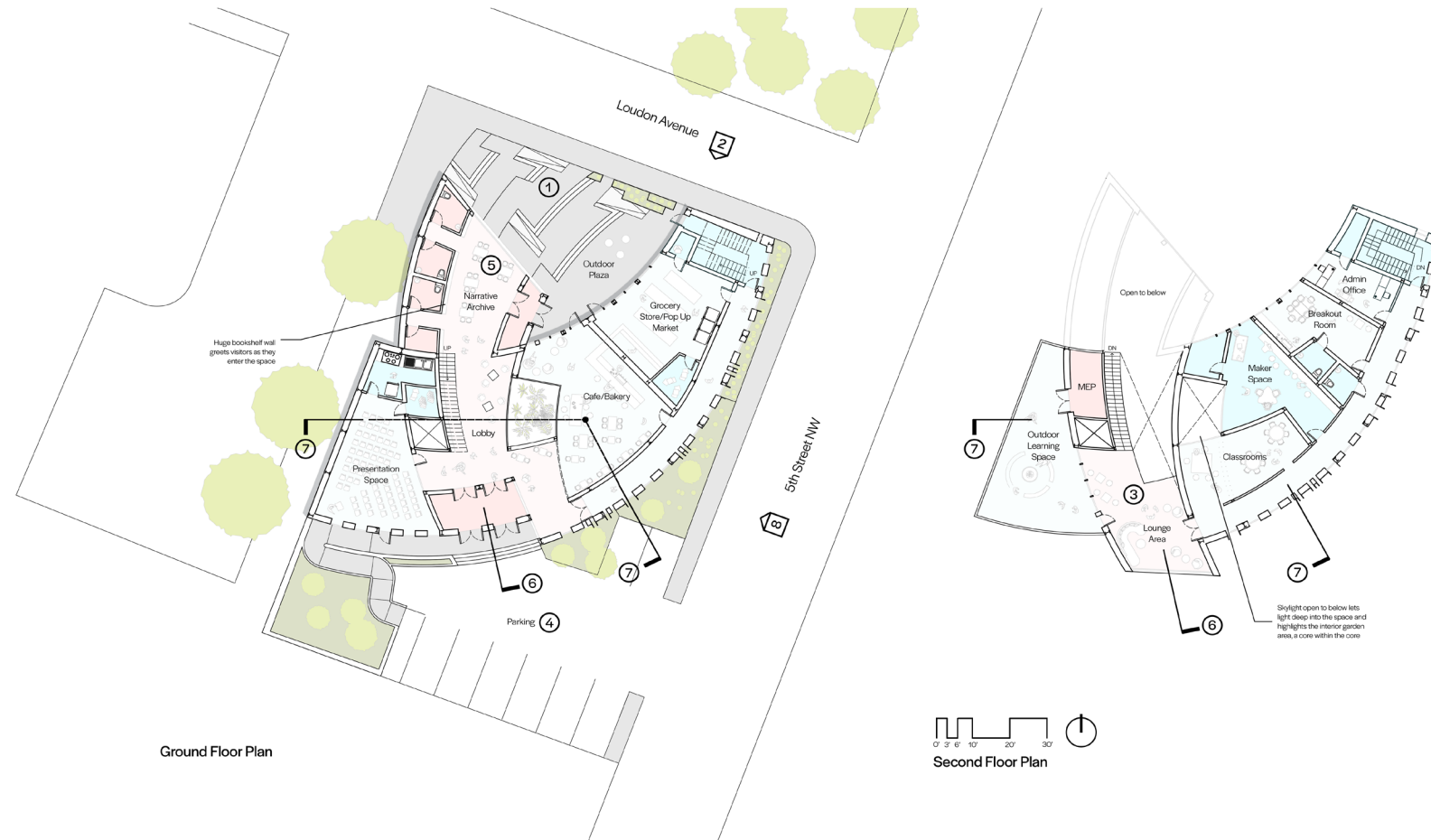
you think you can keep up?

i'm not *that* out of shape.

the core: a new heart for the community

Located on the corner of 5th Street and Loudon Avenue, the new social justice center serves as a beacon for the community. It welcomes the public and creates a core for the neighborhood to gather in, becoming a new heart that provides life and supports an underserved community. Like a heart, two halves come together and overlap. One half invites the public to interact and experience the neighborhood, while the other welcomes and serves the community. Together they work in tandem, bringing the community together for positive change and granting learning opportunities for both new and old alike. It also provides pop-up markets, making produce and other groceries easily accessible.

The building addresses the intricate historical context of the site through the narrative archive. As the heart of the project, the archive features a huge bookshelf wall and space for temporary exhibits and workshops that provide an opportunity to relive history and understand the neighborhood better. For the exterior, the use of terracotta respects the material culture of Roanoke while pushing boundaries of sustainability and innovation. A huge aperture facing towards downtown Roanoke maintains a connection towards the greater context and fabric of the urban environment. On the opposite side, the outdoor plaza beckons the community to come and visit. The series of steps and platforms create a warm and grand entrance, allowing the building to wrap its arms around the residents and say, "welcome home".



3. Lounge Area Perspective



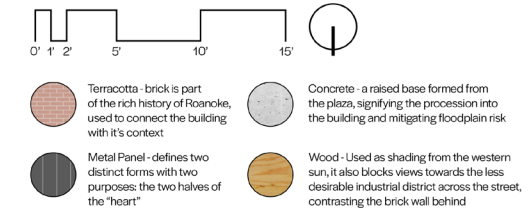
4. South Exterior Perspective

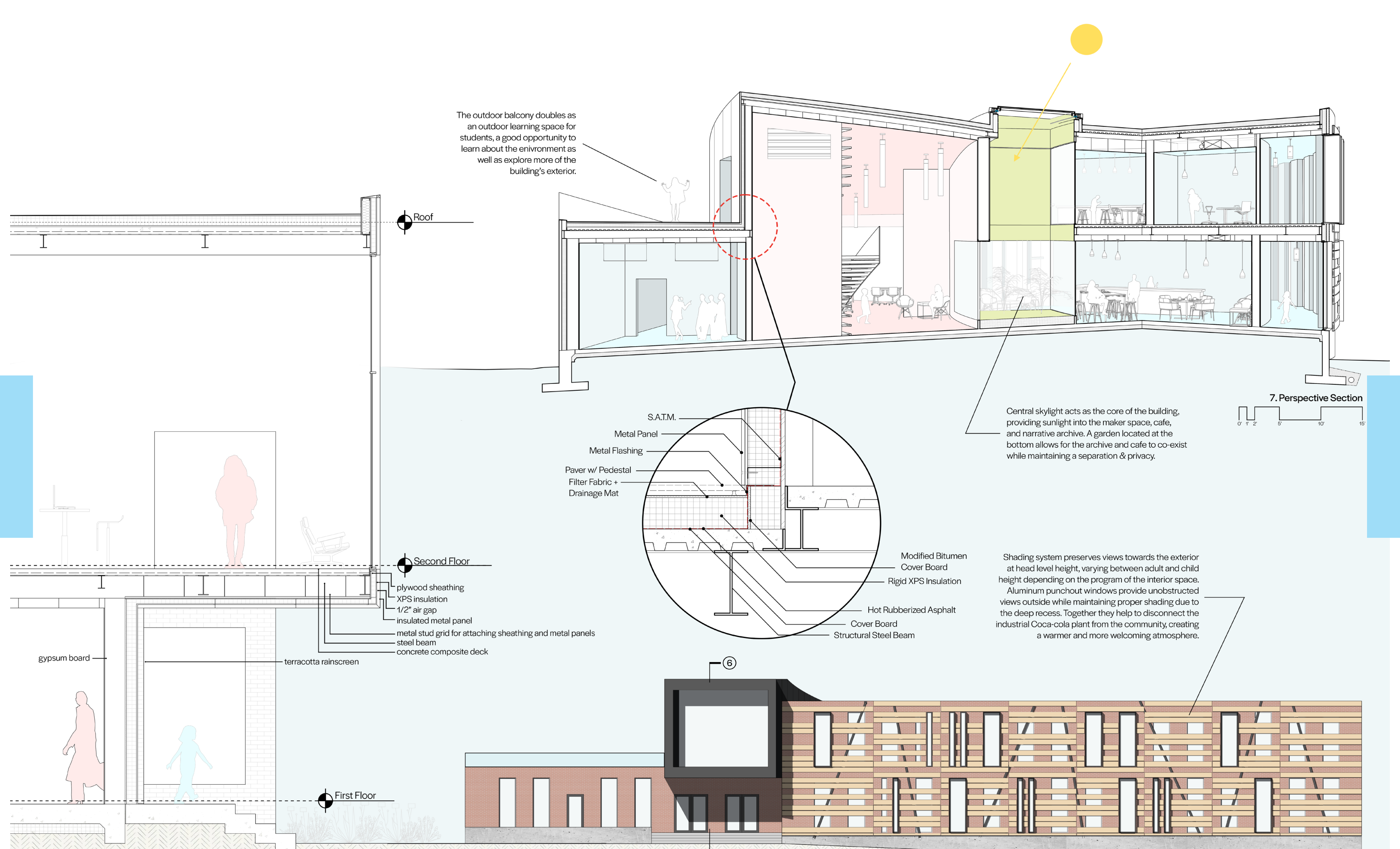


5. Narrative Archive Interior Perspective



2. Loudon Avenue Elevation





The outdoor balcony doubles as an outdoor learning space for students, a good opportunity to learn about the environment as well as explore more of the building's exterior.

Central skylight acts as the core of the building, providing sunlight into the maker space, cafe, and narrative archive. A garden located at the bottom allows for the archive and cafe to co-exist while maintaining a separation & privacy.

Shading system preserves views towards the exterior at head level height, varying between adult and child height depending on the program of the interior space. Aluminum punchout windows provide unobstructed views outside while maintaining proper shading due to the deep recess. Together they help to disconnect the industrial Coca-cola plant from the community, creating a warmer and more welcoming atmosphere.

- S.A.T.M.
- Metal Panel
- Metal Flashing
- Paver w/ Pedestal
- Filter Fabric + Drainage Mat
- Modified Bitumen Cover Board
- Rigid XPS Insulation
- Hot Rubberized Asphalt
- Cover Board
- Structural Steel Beam

6. Wall Section through Lounge Area Cantilever



7. Perspective Section



8. Fifth Street Elevation



