ARCHITECTUAL PORTFOLIO

BEN POULIN, AIA, CPHD




William G. Rohrer
College of Business



ABOUT:

A driving force throughout my life, is my passion for creation and artistic design paired with technical problem solving to make it a reality. this is the heart of my interest in architecture, form and function hand in hand.

I am inspired by developinga vision and physically realizing it in a way that others can use, enjoy, experience, and share. Enamoured with the outdoors, i find time in the wilderness a refreshing experience—An experience that demonstrates how design is critical in how a person perceives and experiences object, space, and the impression that it leaves upon a person.

Professionally, I apply my keen observation on human perception, breadth of experience, and technical expertise to all his projects.

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MCCOSH HALL - WPRB RENOVATION STUDY



RUTGERS UNIVERSITY

RUTGERS UNIVERSITY - ASB I ONE STOP ADDITION AND ALTERATION

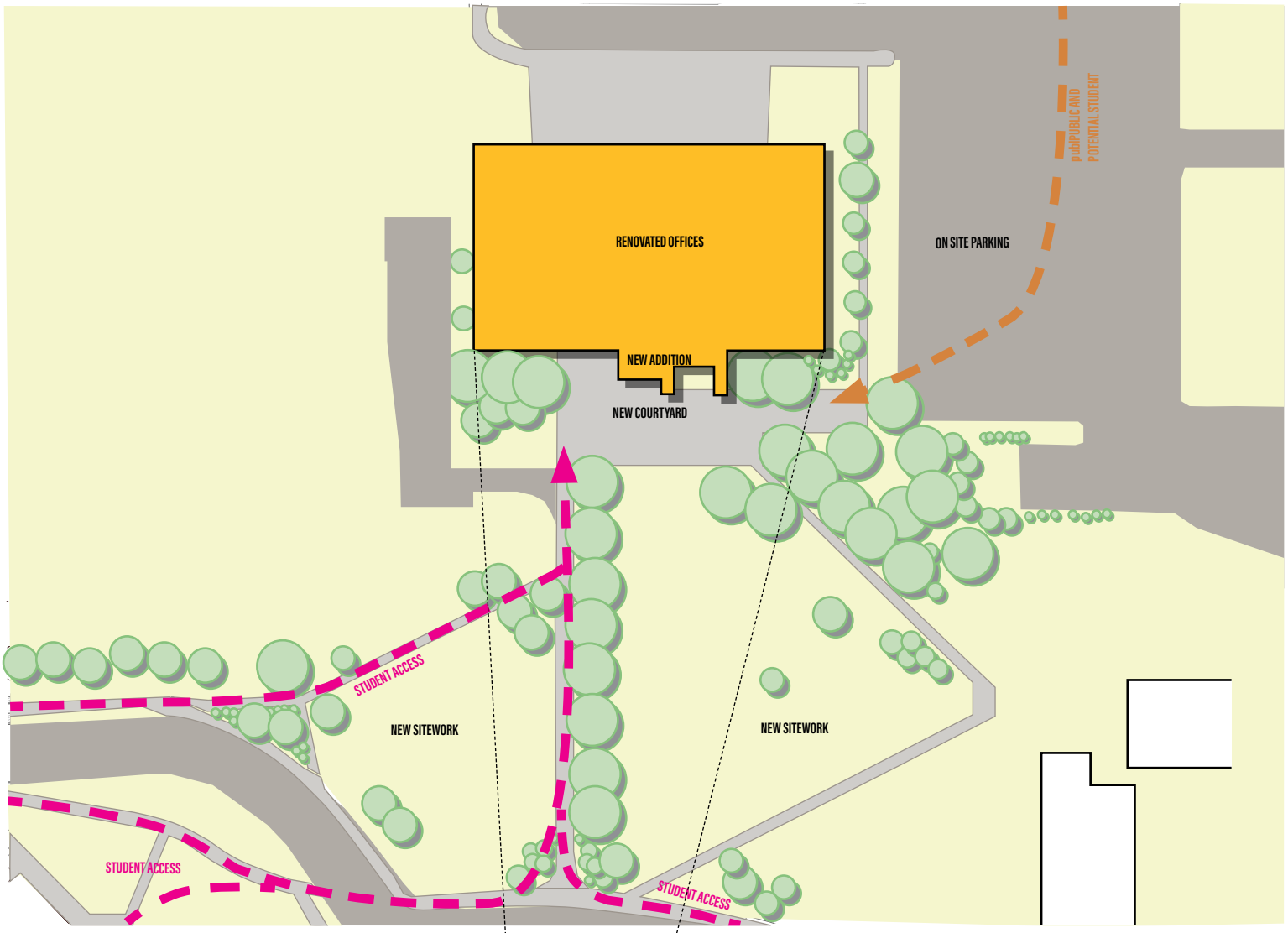
Located on the Busch campus at Rutgers University in Piscataway New Jersey we designed a 1,220 sf addition and 67,000 sf of alterations to an existing office space the project was designed in fall 2018 and constructed in spring 2020.

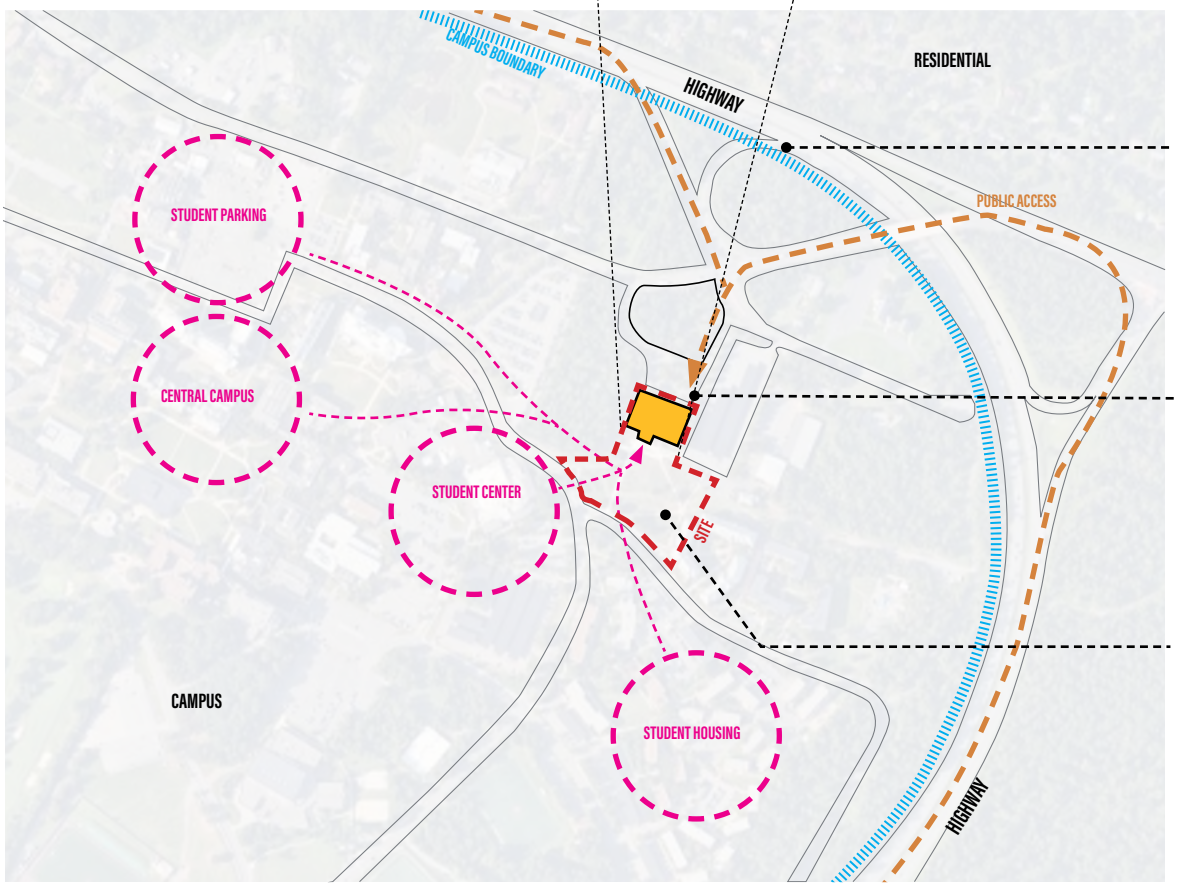
My role: I was the project architect for the construction documentation of this project. I led the architectural team in the development of the interior and exterior design and spearheaded coordination with our structural, audiovisual, and MEP/FP teams to produce coordinated documents. I was also responsible for construction administration.

Concept: the addition serves as a way-finding element, forming a visible tower to anchor the building within the campus. The project consolidates previously dispersed student services into a single location, centered around a “one-stop” lobby model that streamlines student support and improves accessibility.



FEATURE SERVICE COUNTER



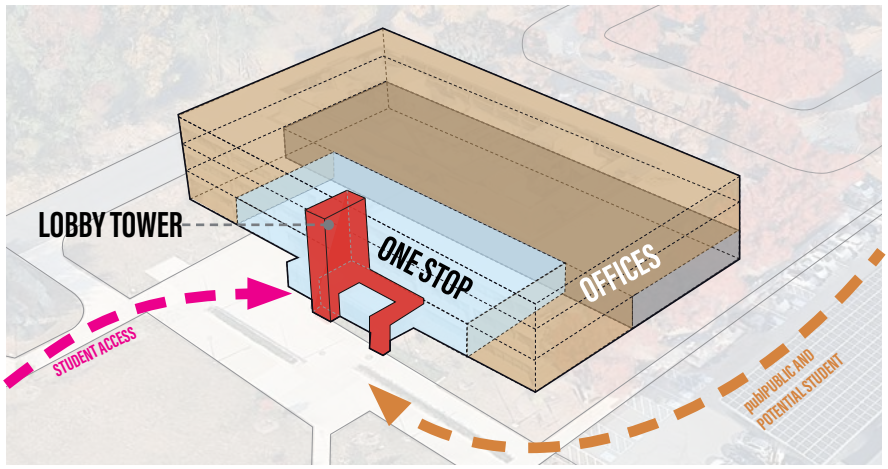


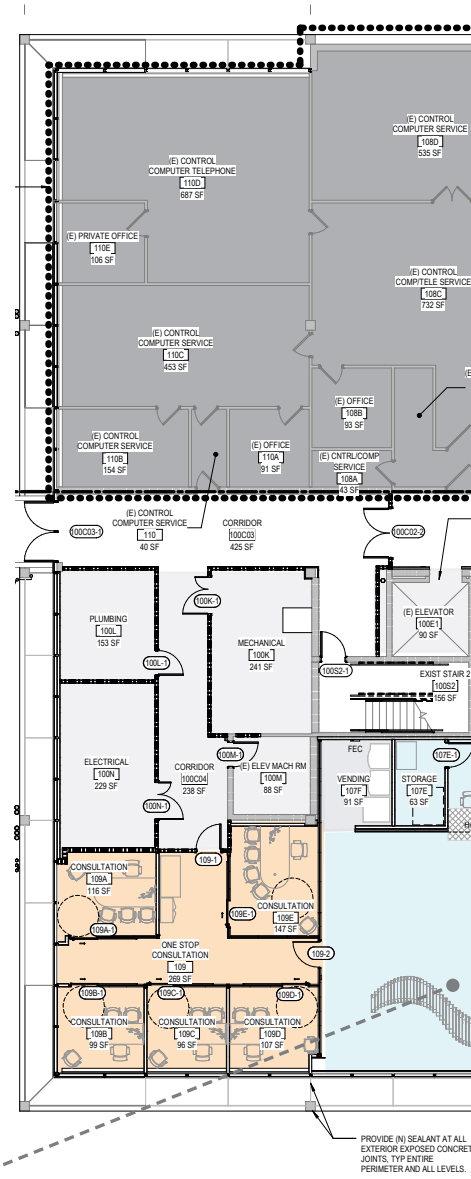
SITE CONTEXT:

The site is located on the edge of the campus core, near the highway, and is strategically positioned to serve both current and prospective students.

Previously, the main entry was difficult to locate, positioned on the north side of the building. The addition reorients the entry to the south, facing primary student circulation paths and making it more visible and accessible.

There are four primary components to the project: administrative offices, support functions, the exterior plaza, and the “one-stop” lobby. The plaza and lobby serve as the primary public and student facing elements.





RUTGERS ASB I - LEVEL 1

One-Stop Lobby

Administrative Offices

Mechanical and Support Space

Existing OIT and Server Rooms

Circulation

There are four primary components to the project: administrative offices, support functions, the exterior plaza, and the “one-stop” lobby. The plaza and lobby serve as the primary public-facing elements and include:

1. Kiosks - student check-in and issue identification + waiting areas

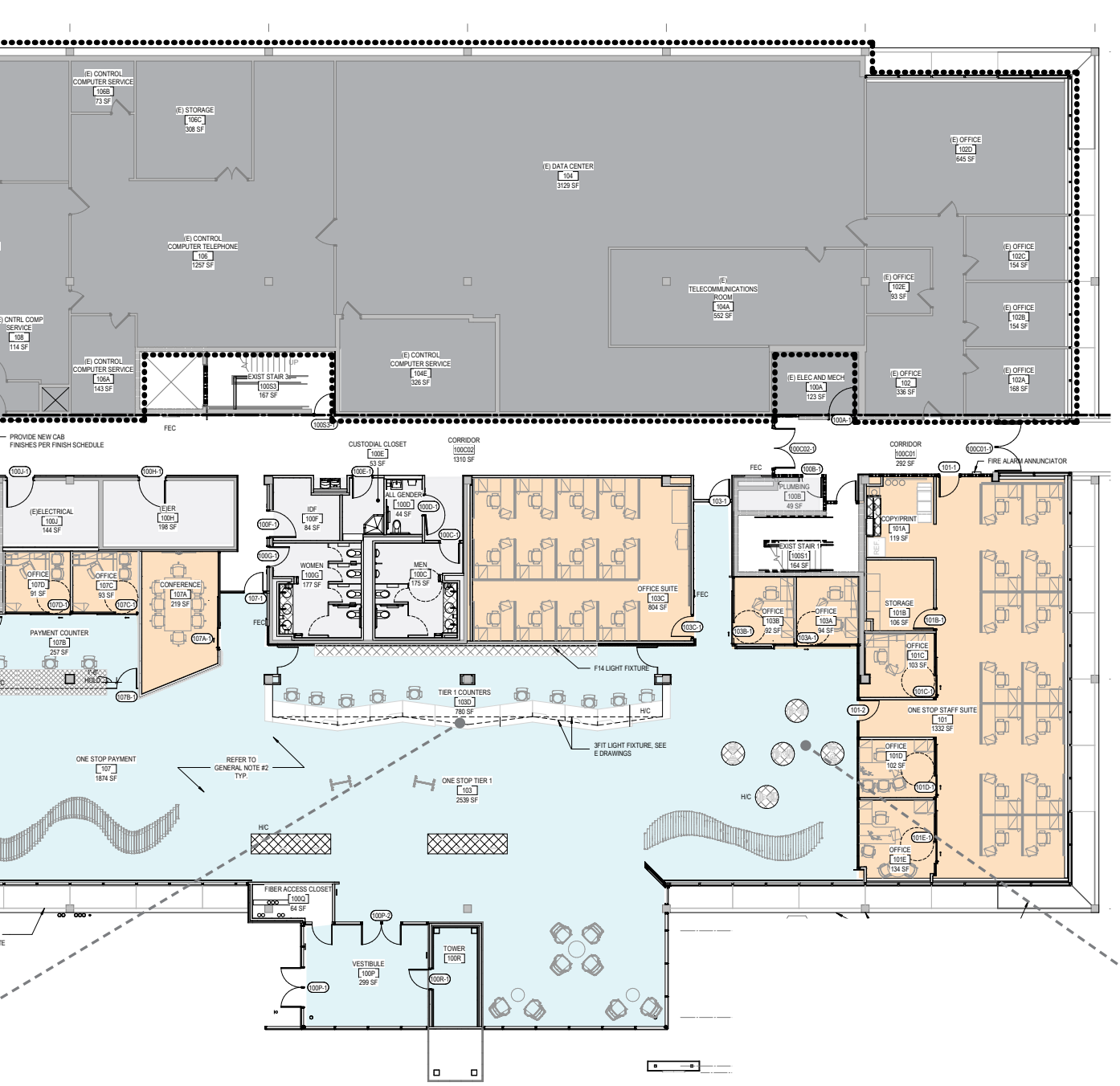
2. One stop - central service desk for staff assistance

3. Exterior plaza - receives and orients students upon arrival to the one-stop

4. Self-service stations - independent computers for student to use with no assistance





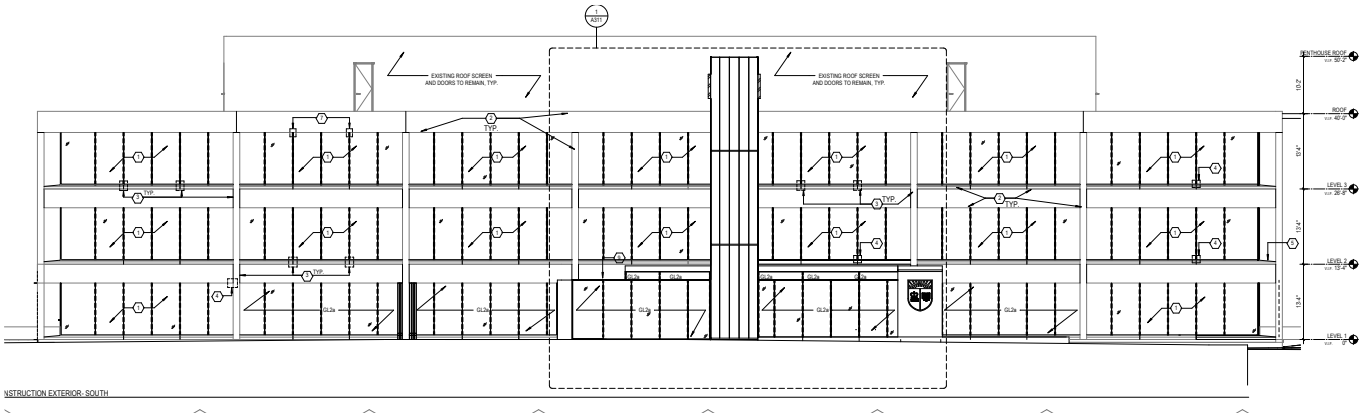

(E) CONTROL COMPUTER SERVICE 106B 73 SF
(E) STORAGE 106C 308 SF
(E) DATA CENTER 104 3129 SF
(E) OFFICE 102D 645 SF
(E) CONTROL COMPUTER TELEPHONE 105 1257 SF
(E) TELECOMMUNICATIONS ROOM 104A 552 SF
(E) OFFICE 102C 154 SF
(E) OFFICE 102E 93 SF
(E) OFFICE 102B 154 SF
(E) CONTROL COMPUTER SERVICE 106A 143 SF
EXIST STAIR 3 100S3 167 SF
(E) CONTROL COMPUTER SERVICE 104E 326 SF
(E) ELEC AND MECH 100A 123 SF
(E) OFFICE 102 336 SF
(E) OFFICE 102A 168 SF
FEC
PROVIDE NEW CAB FINISHES PER FINISH SCHEDULE
CUSTODIAL CLOSET 100E 53 SF
CORRIDOR 100C02 1310 SF
CORRIDOR 100C01 292 SF
FIRE ALARM ANNUNCIATOR
(E)ELECTRICAL 100J 144 SF
(E)ER 100H 198 SF
IDF 100F 84 SF
ALL GENDER 100D 44 SF
PLUMBING 100B 49 SF
COPY/PRINT 101A 119 SF
EXIST STAIR 1 100S1 164 SF
WOMEN 100G 177 SF
MEN 100C 175 SF
OFFICE SUITE 103C 804 SF
OFFICE 107D 91 SF
OFFICE 107C 93 SF
CONFERENCE 107A 219 SF
OFFICE 103B 92 SF
OFFICE 103A 94 SF
STORAGE 101B 106 SF
OFFICE 101C 103 SF
PAYMENT COUNTER 107B 257 SF
F14 LIGHT FIXTURE
TIER 1 COUNTERS 103D 780 SF
ONE STOP STAFF SUITE 101 1332 SF
3FIT LIGHT FIXTURE, SEE E DRAWINGS
OFFICE 101D 102 SF
ONE STOP PAYMENT 107 1874 SF
REFER TO GENERAL NOTE #2 TYP.
ONE STOP TIER 1 103 2539 SF
H/C
OFFICE 101E 134 SF
FIBER ACCESS CLOSET 100Q 64 SF
VESTIBULE 100P 299 SF
TOWER 100R


RUTGERS
RUTGERS

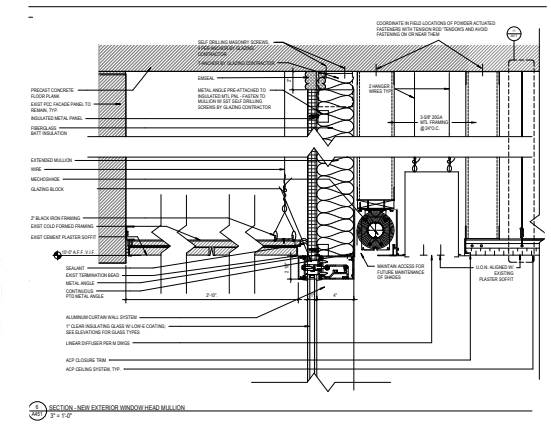
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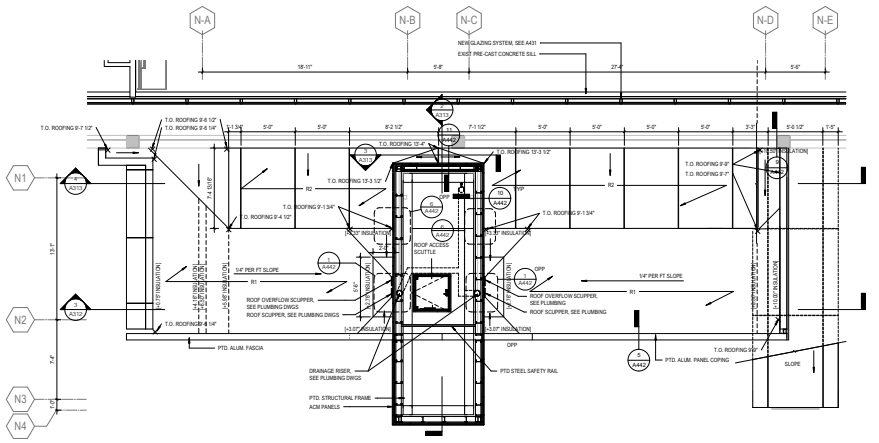
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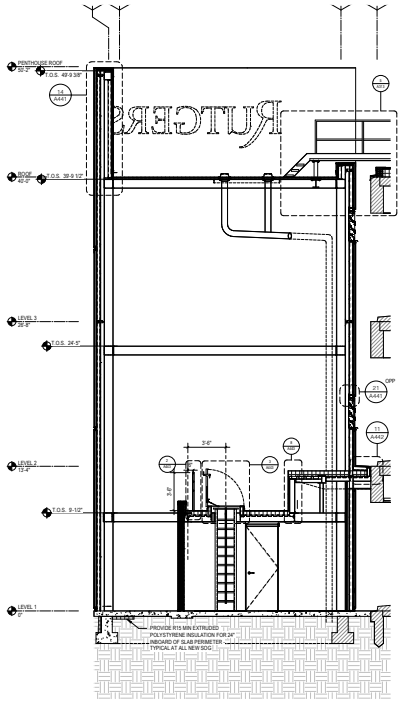
NSTRUCTION EXTERIOR- SOUTH



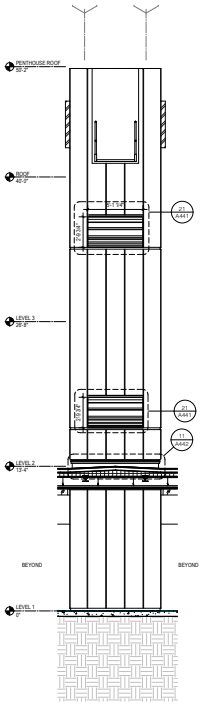
4 SECTION - NEW EXTERIOR WINDOW HEAD MULLION
A431 3" = 1'-0"



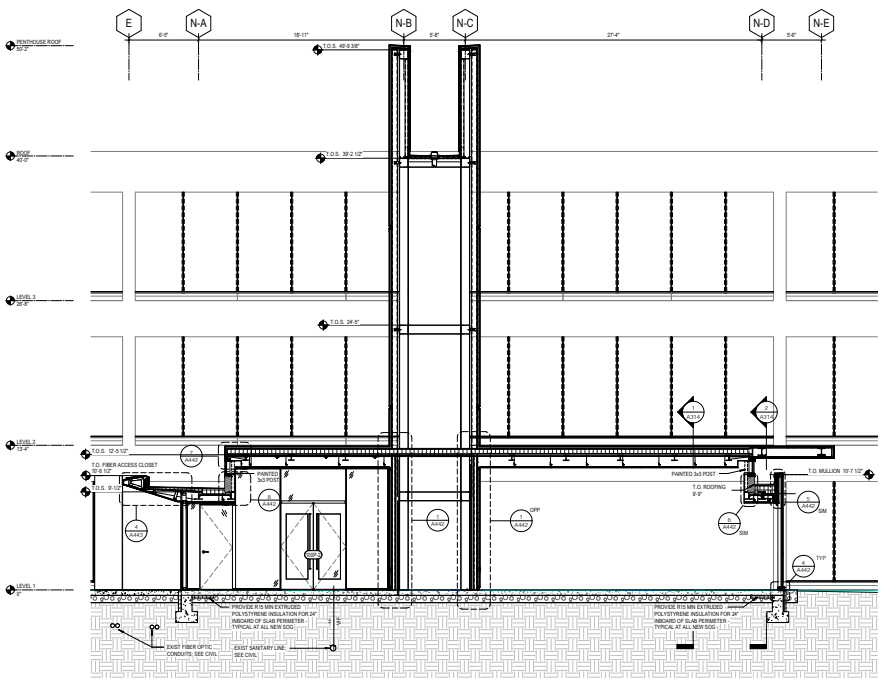
1 ROOF PLAN - ENTRY ADDITION
A313 1/4" = 1'-0"



2 SECTION - TOWER1
A313 1/4" = 1'-0"



3 SECTION - ADDITION1
A313 1/4" = 1'-0"



4 SECTION - ADDITION2
A313 1/4" = 1'-0"

RUTGERS ASB I - MATERIAL DESIGN

Project includes three main components: exterior upgrades, the addition, and interior alterations. The existing façade was improved with high-performance glazing and a redesigned envelope to reduce thermal bridging.

The addition features metal panels in custom Rutgers colors, integrated into the existing façade. These materials extend into the interior through glass office fronts and feature metal ceilings, reinforcing a cohesive architectural language and modernizing the workspace.



RUTGERS ASB I - NEW MAIN ENTRY


3
4
6
8
9
10



RUTGERS ASB I - LEVEL 1 SERVICE COUNTER



PAPER MILL PLAYHOUSE

PAPER MILL PLAYHOUSE - FRONT OF HOUSE ADDITION AND RENOVATION

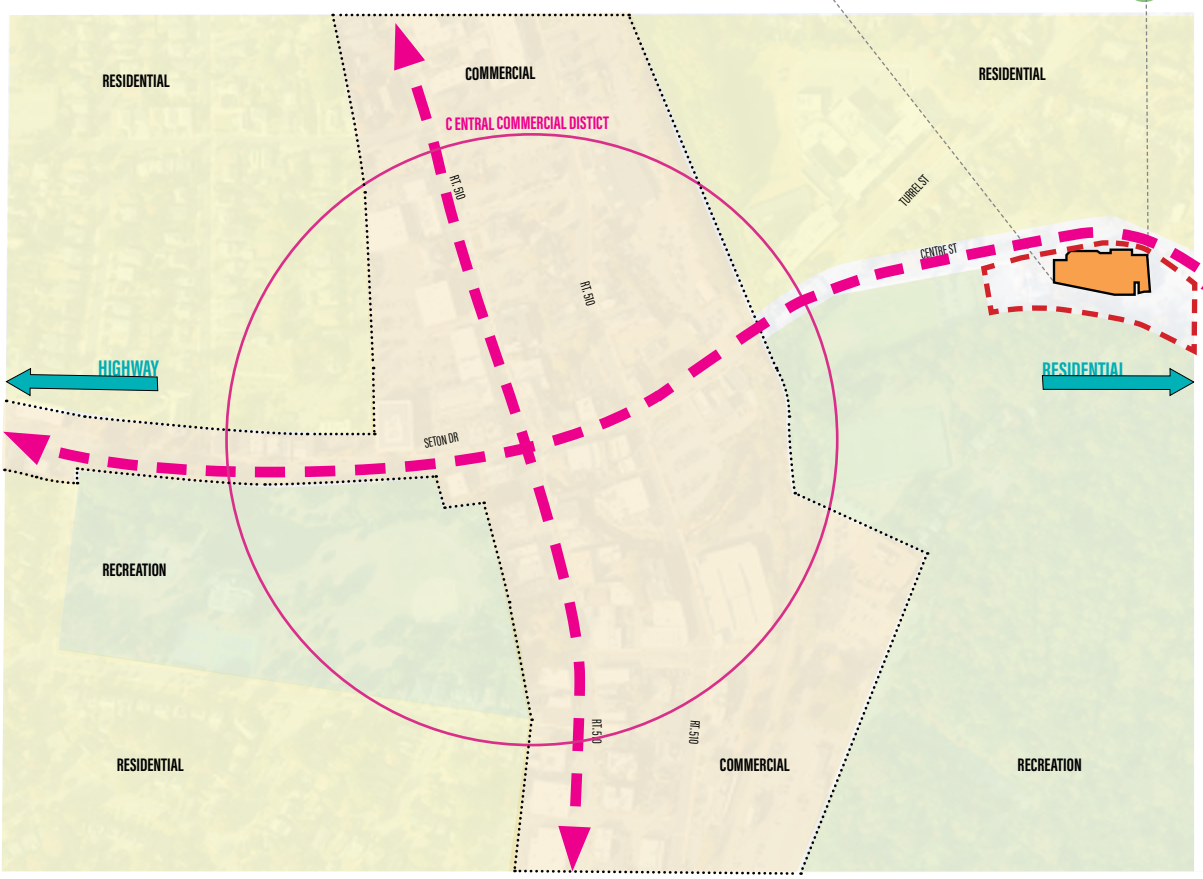
Located in Millburn New Jersey, we designed a 13,000 sf addition and renovation to the existing Paper Mill Playhouse Theater. The project was designed in spring 2026 and targeted to be completed in spring 2027.

My role: I was project architect from schematic design through construction documentation. Led architectural design and coordinated with structural, audiovisual, security, food service, and MEP/FP consultants. Led client presentations and design workshops.

Big idea: the goal was to bring the Paper Mill Playhouse into the modern era while paying hPmage to its history. The historic facade was reconstructed to the renovated restaurant, and a new entry portal references its former location. Using curtain wall and brick as primary materials, the design creates a bright, open, modern lobby that ties seamlessly into the existing building. The scope also includes site work to connect the new restaurant and front-of-house lobby.







SITE CONTEXT:

The site sits just outside the town's downtown commercial center and is walkable for patrons visiting nearby restaurants.

The site is also surrounded by residential neighborhoods, allowing many visitors to walk to the theater.

Maintaining a familiar character for existing patrons while modernizing the facility was important, as was creating a more active node to attract new, younger audiences.

FRONT OF HOUSE ADDITION AND RENNOVATION - LEVEL 1 PLAN DIAGRAM

FRONT OF HOUSE LOBBY

FRONT OF HOUSE OFFICES

SUPPORT SPACE

BACK OF HOUSE NOT IN SCOPE

The existing lobby no longer functions as desired and presents accessibility challenges. The new addition is a modest expansion of the lobby, but a complete reconfiguration to create a modernized space that functions and flows better for current needs, while improving accessibility through a simplified layout.

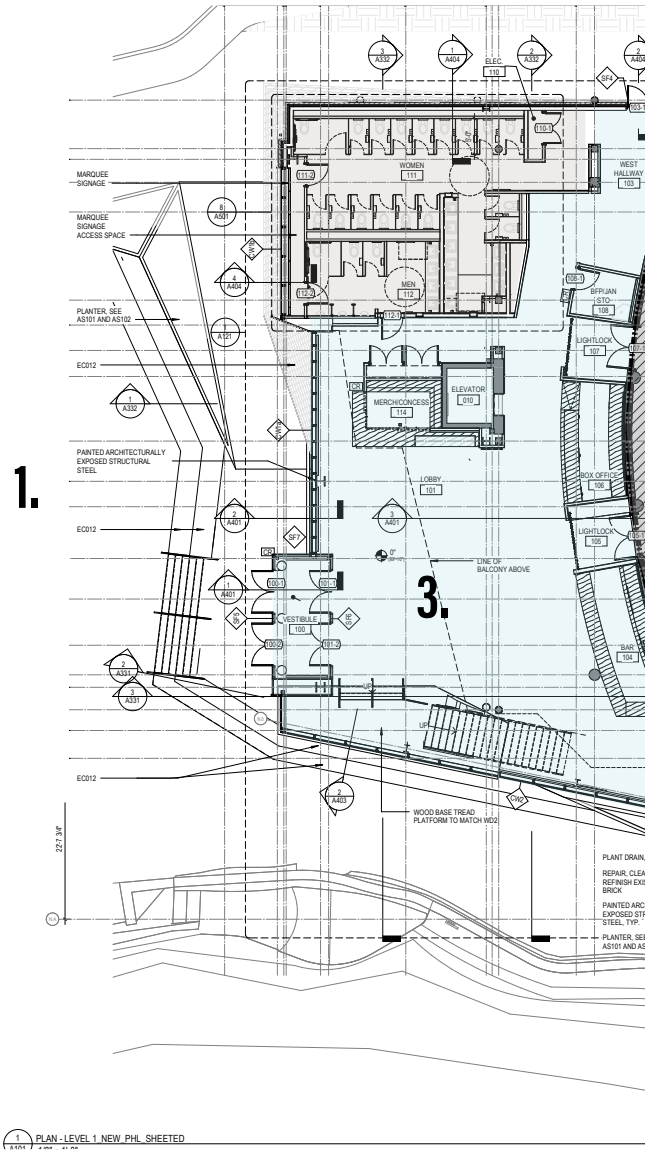
The project introduces a primarily two-level, 6,000 sf lobby with bars and merchandising as the new front-of-house space. A mezzanine balcony and feature stair are key elements, designed as donor opportunities and clad in metal panel to align with the exterior palette. The project also includes administrative offices and new restroom facilities. Key features include:

1. Exterior Plaza - With accessible ramps and integrated seating, connecting the lobby to the renovated restaurant

2. Brookside Walk: - Redesigned path from parking with an additional accessible entry

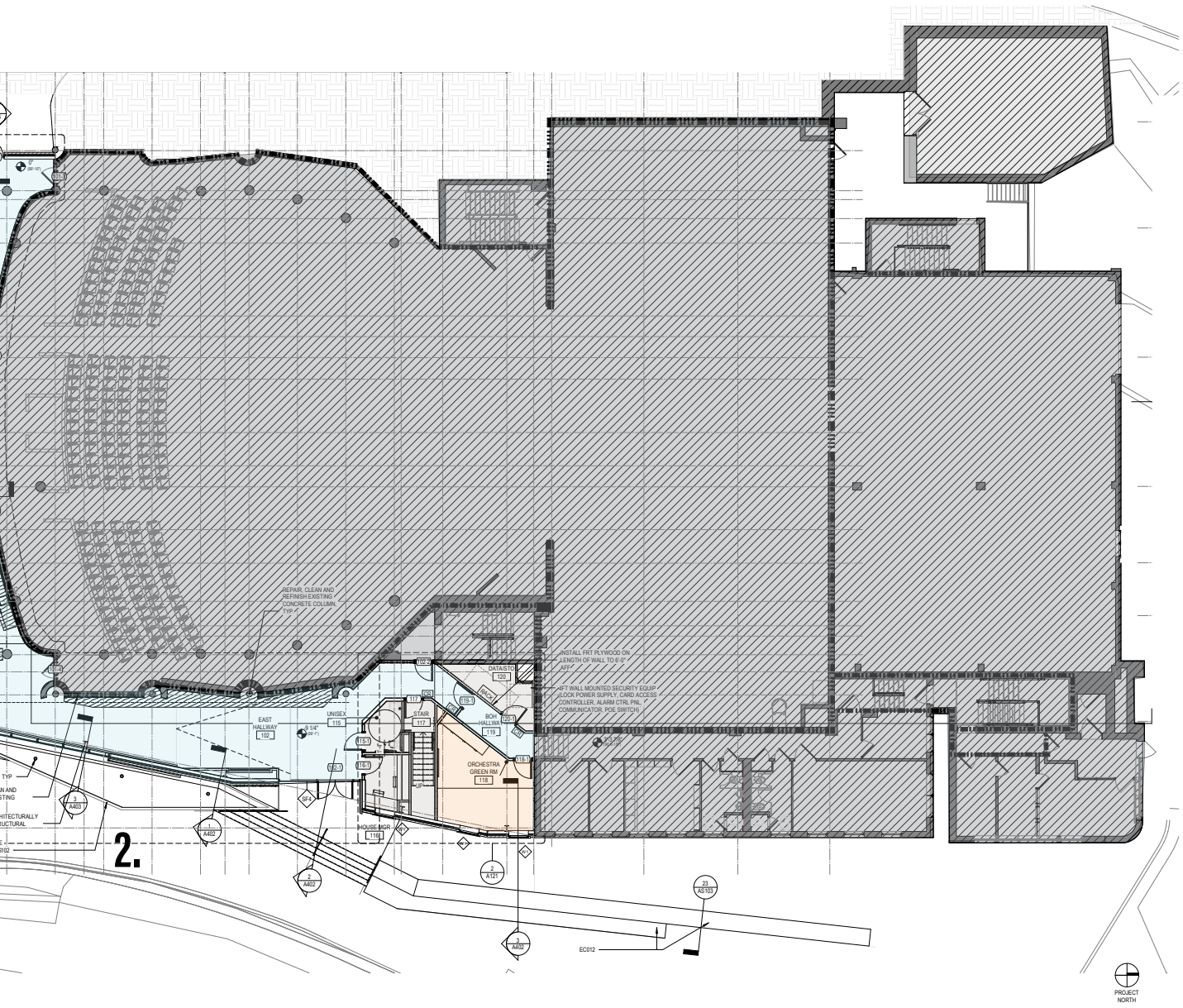
3. Main Lobby- Primary gathering and event space

4. Donor Lounge - Private space with an elevated design and dedicated bar








REPAIR, CLEAN AND REFINISH EXISTING CONCRETE COLUMN, TYP.
INSTALL FRT PLYWOOD ON LENGTH OF WALL TO 8'-0" AFF.
ART WALL MOUNTED SECURITY EQUIP, LOCK POWER SUPPLY, CARD ACCESS CONTROLLER, ALARM CTRL PNL, COMMUNICATOR, POE SWITCH
DATA/STOR 120
EAST HALLWAY 102
UNISEX 115
STAIR 117
BOH HALLWAY 119
ORCHESTRA GREEN RM 118
HOUSE MGR 116
EC012
PROJECT NORTH

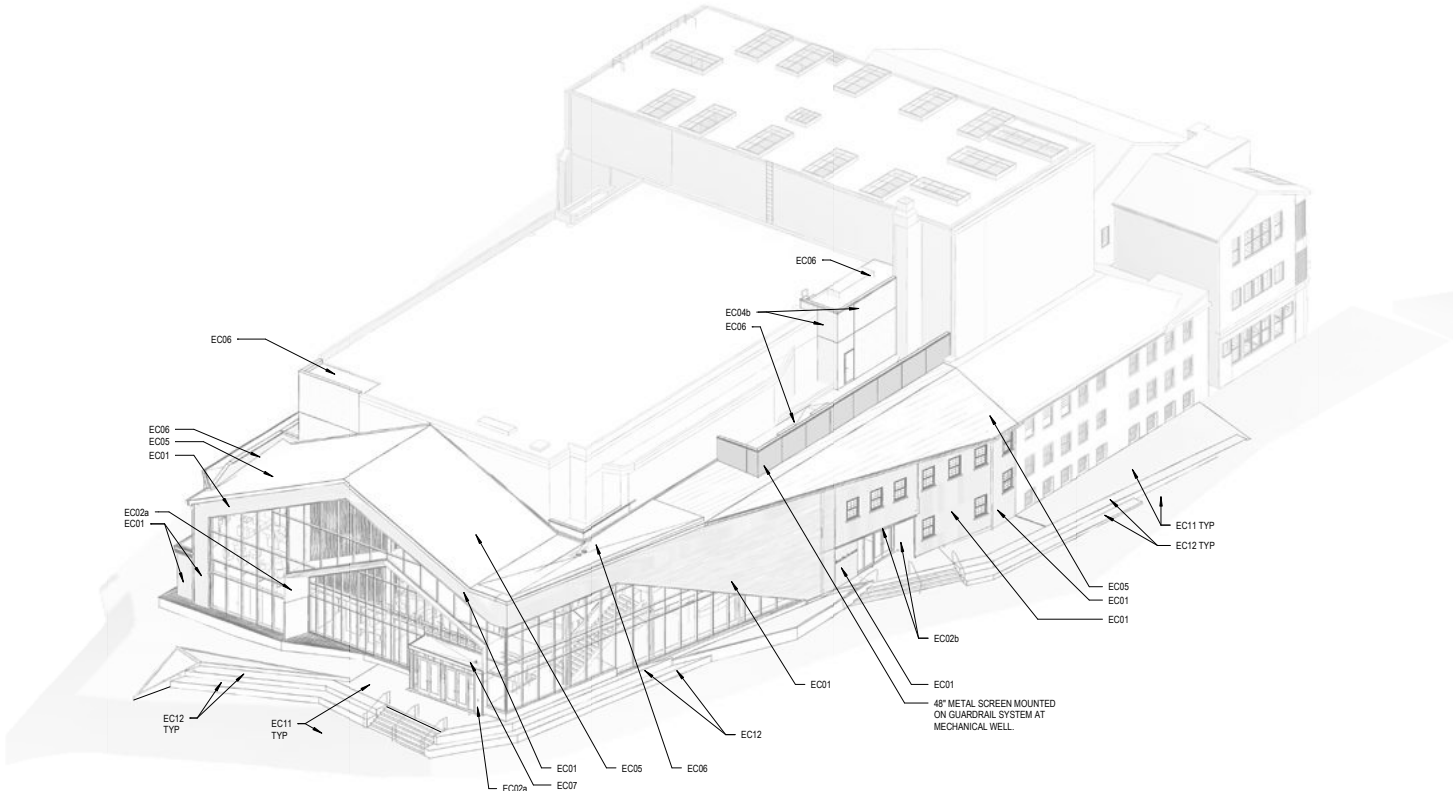
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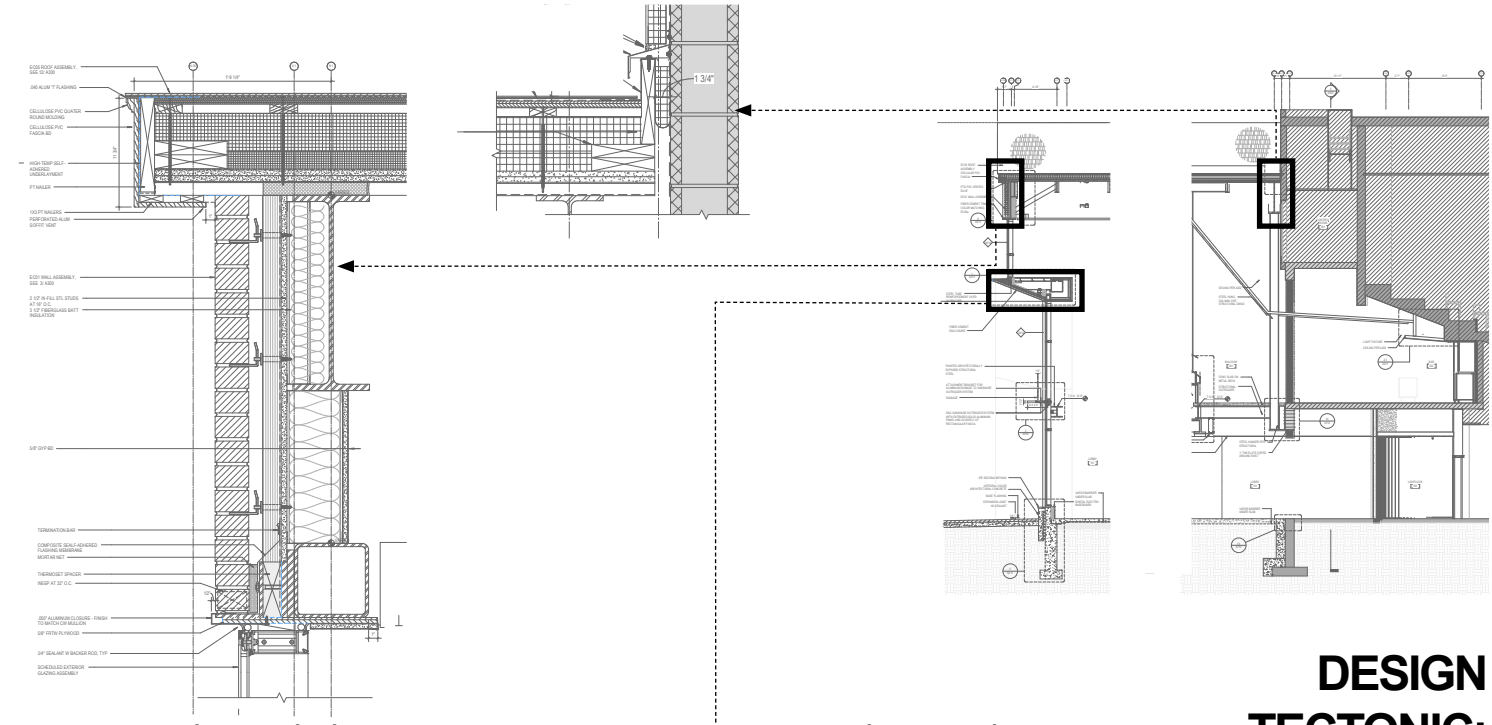

DONOR RECOGNITION

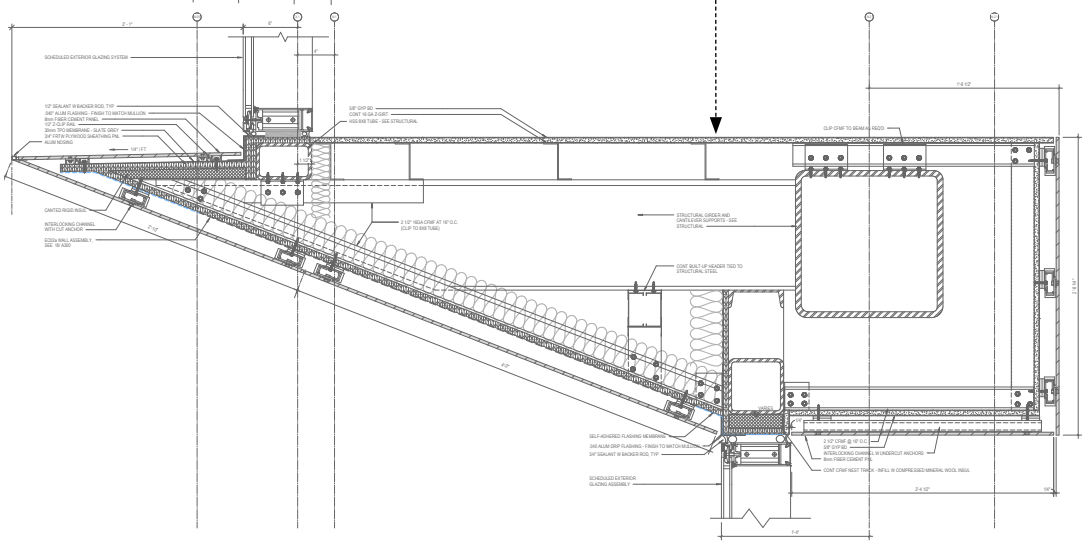
3.


DONOR RECOGNITION

4.







DESIGN TECTONIC:

The existing masonry facade was reconstructed on the renovated restaurant across from the theater.

In its place, a modern entry portal of gfrc panels defines the new lobby, which features a four-sided SSG curtain wall system extending from the plaza to the brookside path.

This transparent volume is framed with brick, matched and coursed to integrate with the existing building and maintain a consistent tectonic



LOBBY ENTRY AND PLAZA



SETON HALL UNIVERSITY

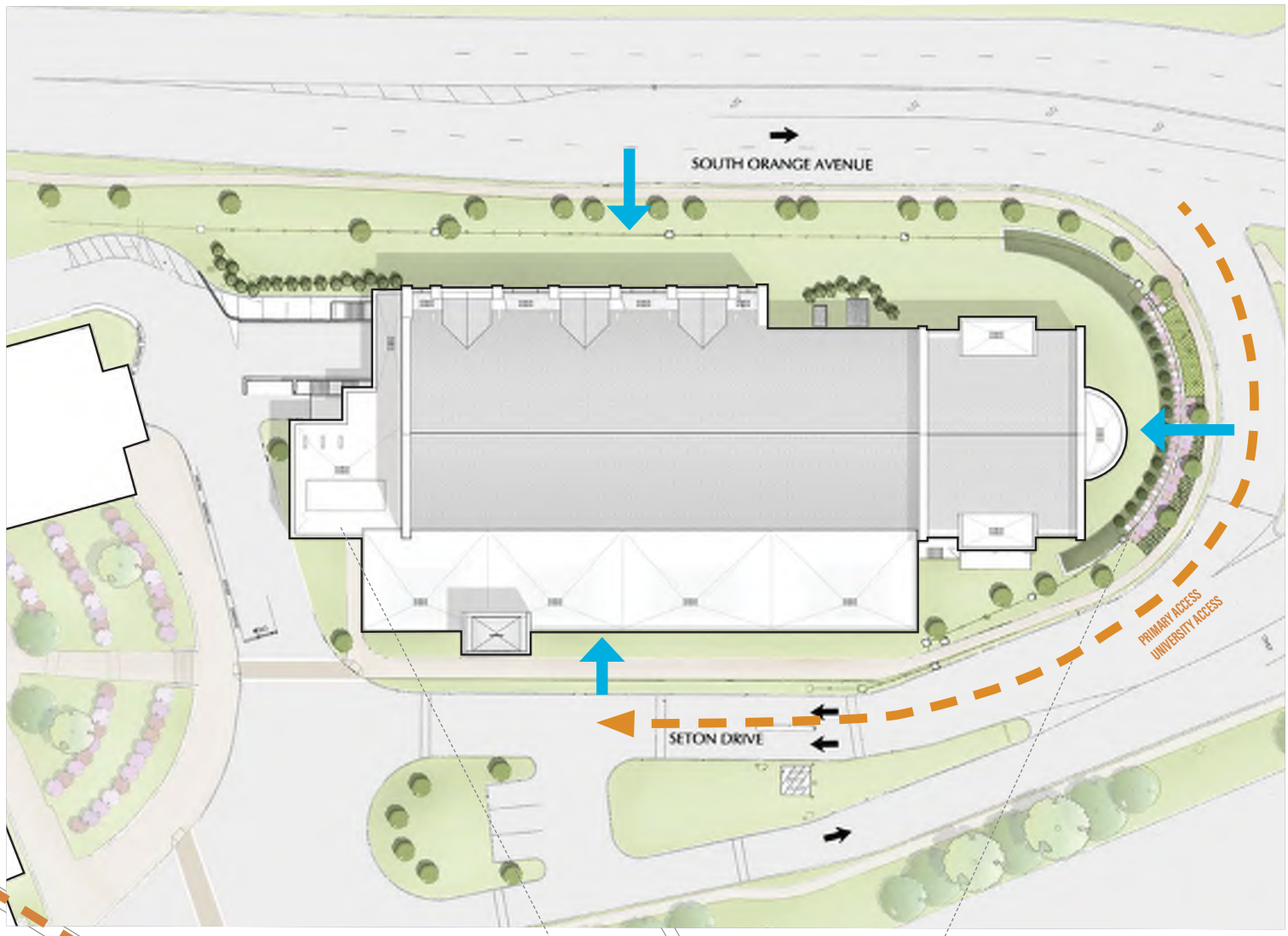
SETON HALL UNIVERSITY - WELCOME CENTER

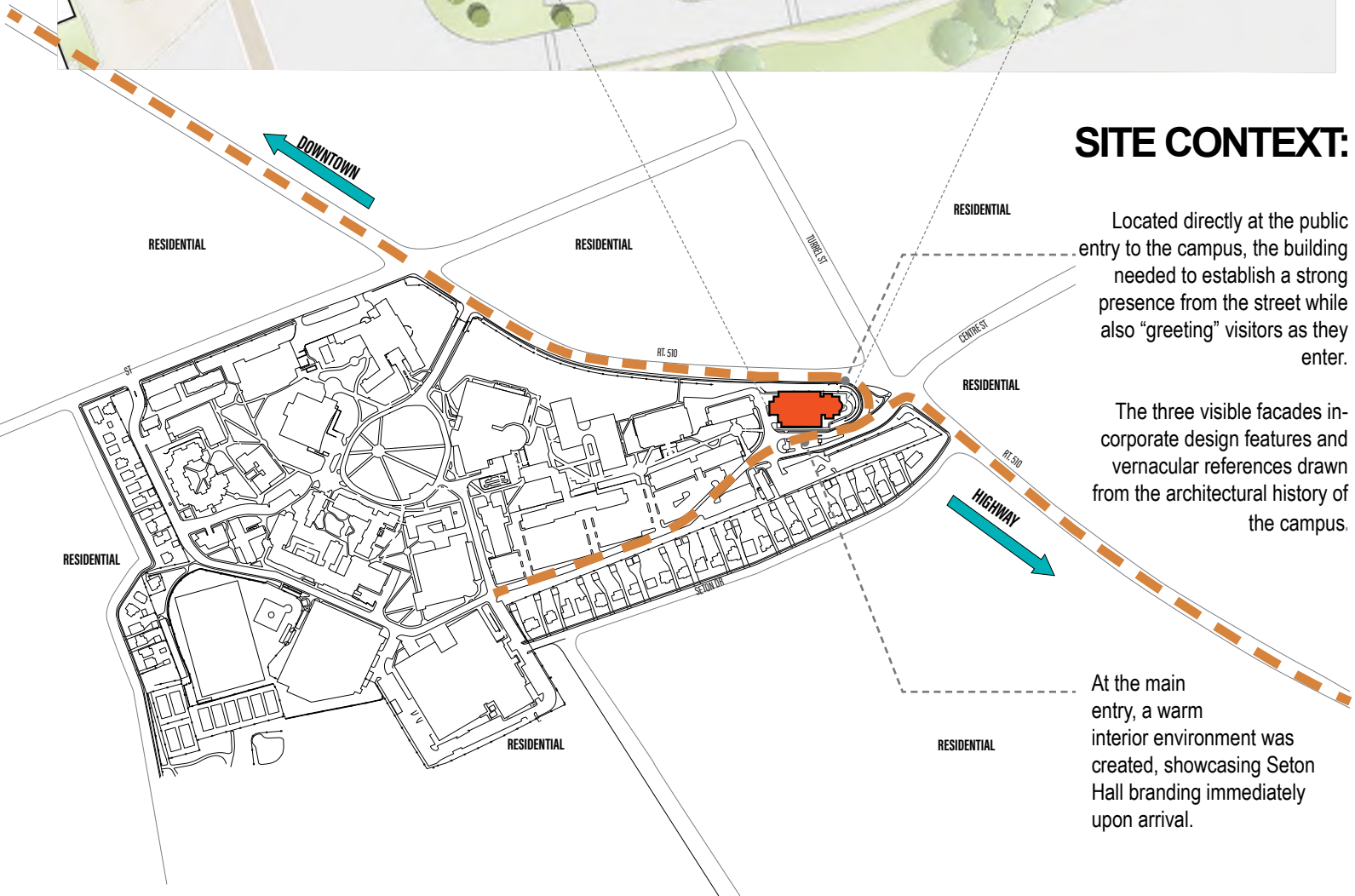
Located in South Orange, New Jersey, this 68,200 sf new construction project delivers a new administrative welcome center serving as an event space, educational space, and introductory space for prospective students and families. The project was design in spring 2017 and was completed in fall 2018.

My role: I was responsible for technical development and documentation of the building's exterior envelope in tandem with a technical lead in the office, and I facilitated construction administration for the project through completion.

Big idea: the project was conceived as a gateway to Seton Hall University's campus. Positioned as the first visible building upon arrival, it was intended to serve as the "face" of the university, representing excellence and institutional pride.







SITE CONTEXT:

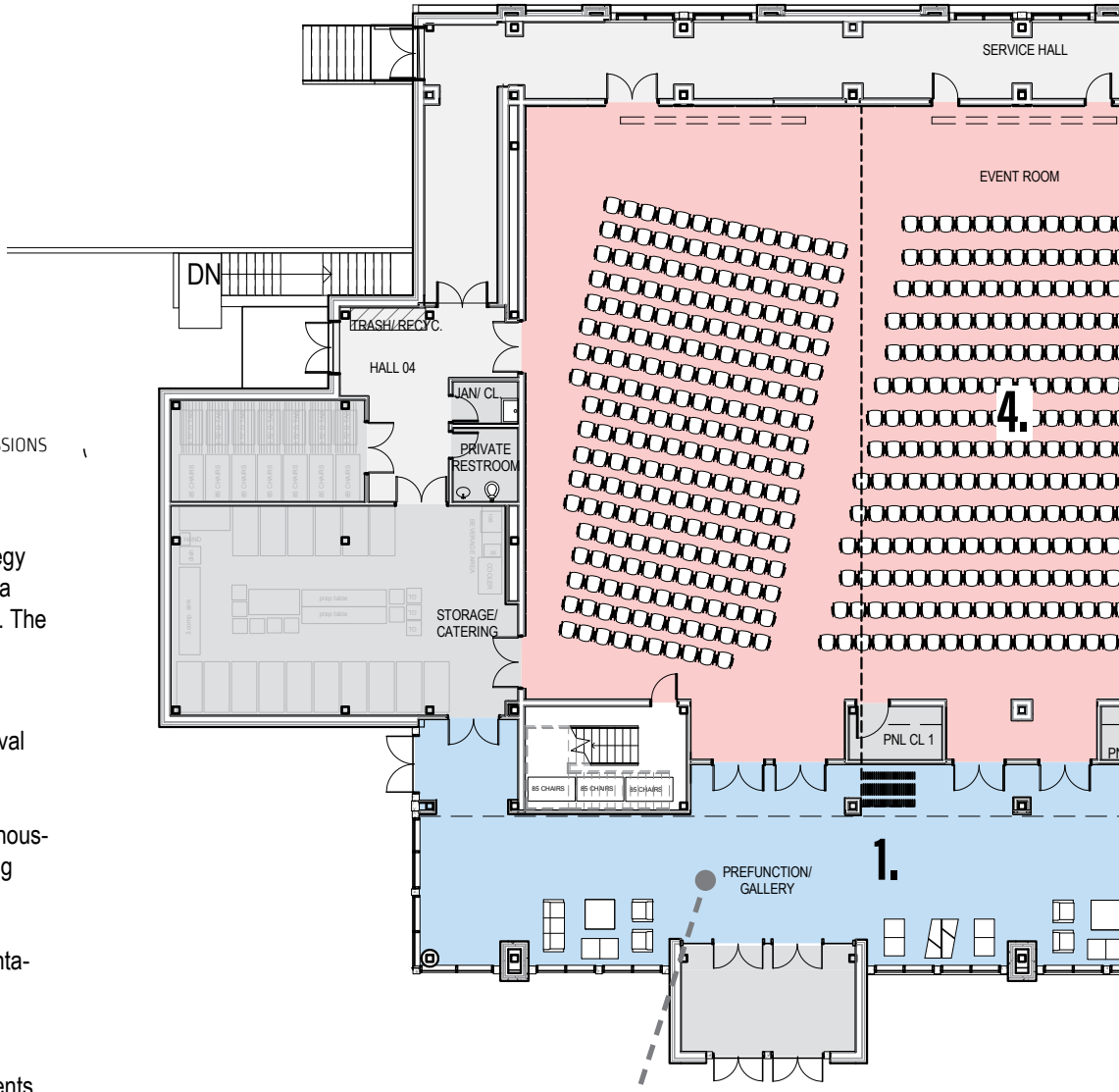
Located directly at the public entry to the campus, the building needed to establish a strong presence from the street while also "greeting" visitors as they enter.

The three visible facades incorporate design features and vernacular references drawn from the architectural history of the campus.

At the main entry, a warm interior environment was created, showcasing Seton Hall branding immediately upon arrival.

LEVEL 1 PLAN DIAGRAM

- LOBBY
- HALLWAY
- EVENT ROOM
- BACK OF HOUSE
- ADMISSIONS OFFICE
- ADMISSIONS RECEPTION
- STUDENT SERVICES SUITE
- ADMISSIONS OPEN OFFICE
- ADMISSIONS INTERVIEW RM
- ADMISSIONS INFORMATION SESSIONS



A consistent material palette and detailing strategy was used across all program areas to reinforce a unified design language throughout the building. The building is organized into three primary areas:

1. Prefunction/lobby space: the primary arrival space and visual focus upon entry.

2. Administrative wing: a two-story volume housing campus administrative staff supporting student services.

3. Informations room - teaching and presentation space for prospective students.

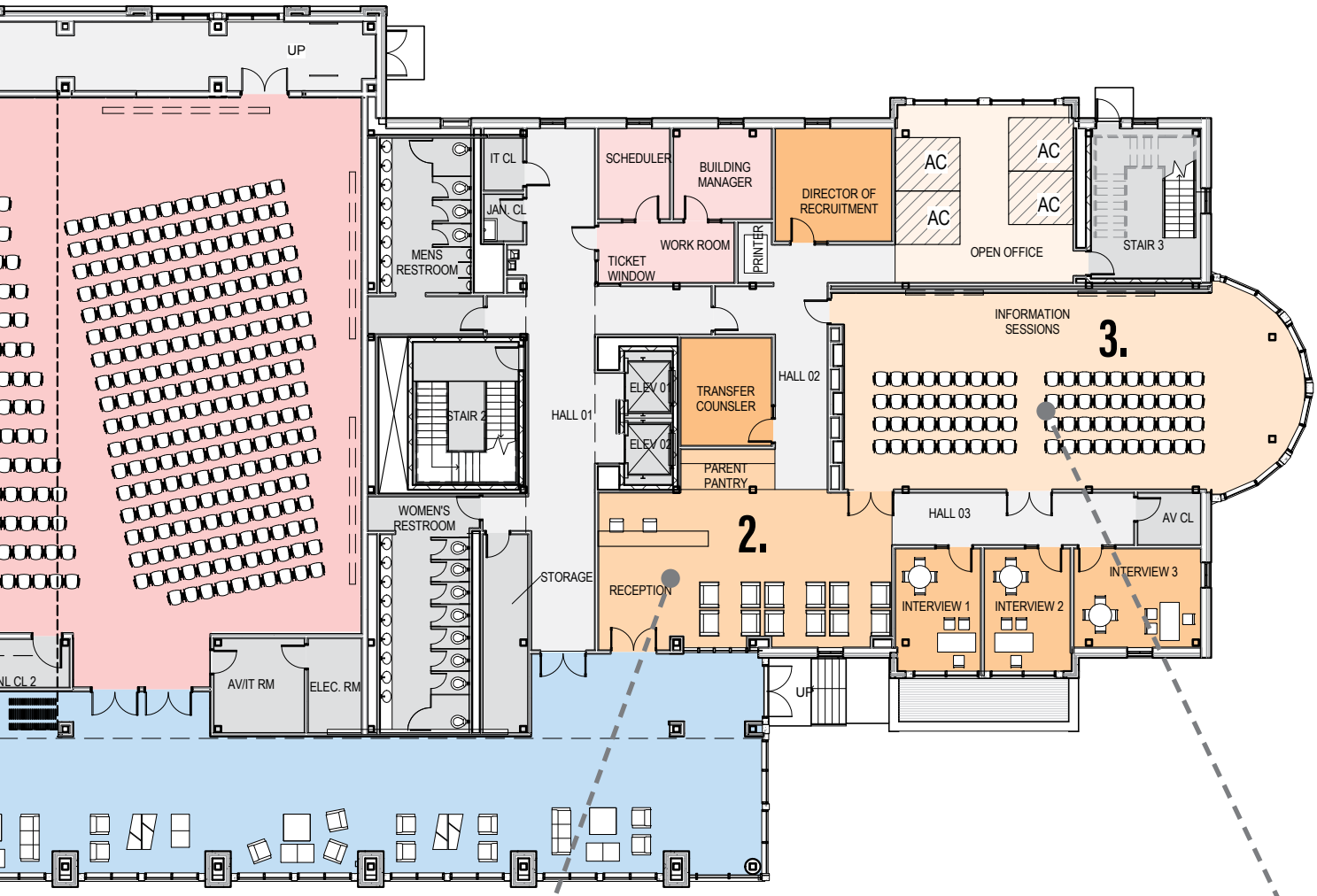
4. Event room: a 1,000-person event space designed to support lectures, student events, galas, and fundraising functions.



1.



2.

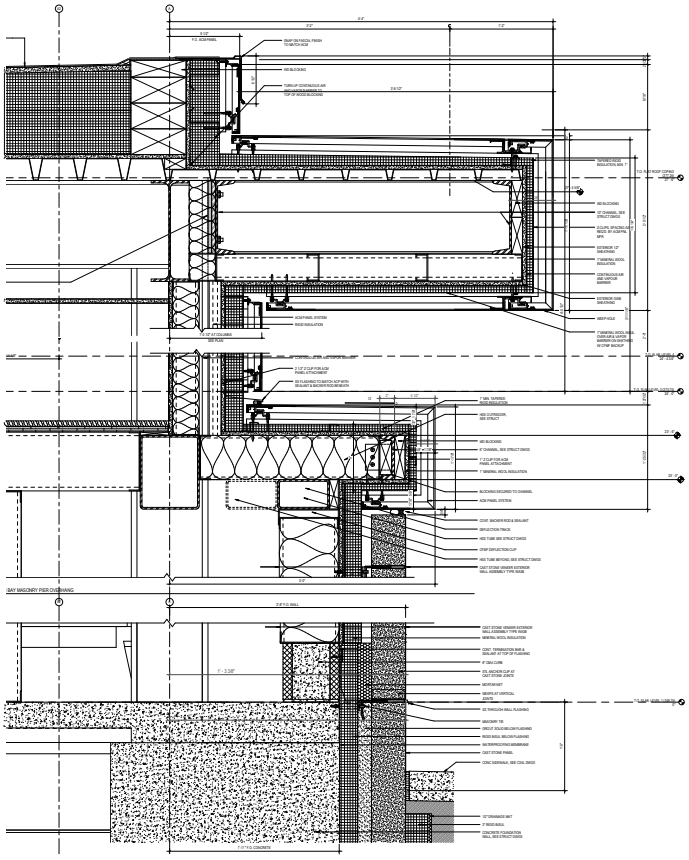

UP
IT CL
JAN. CL
MENS RESTROOM
SCHEDULER
BUILDING MANAGER
DIRECTOR OF RECRUITMENT
AC
AC
AC
AC
WORK ROOM
PRINTER
TICKET WINDOW
OPEN OFFICE
STAIR 3
INFORMATION SESSIONS
3.
STAIR 2
HALL 01
ELEV 01
ELEV 02
TRANSFER COUNSLER
HALL 02
PARENT PANTRY
WOMEN'S RESTROOM
2.
HALL 03
AV CL
STORAGE
RECEPTION
INTERVIEW 1
INTERVIEW 2
INTERVIEW 3
AV/IT RM
ELEC. RM
UP

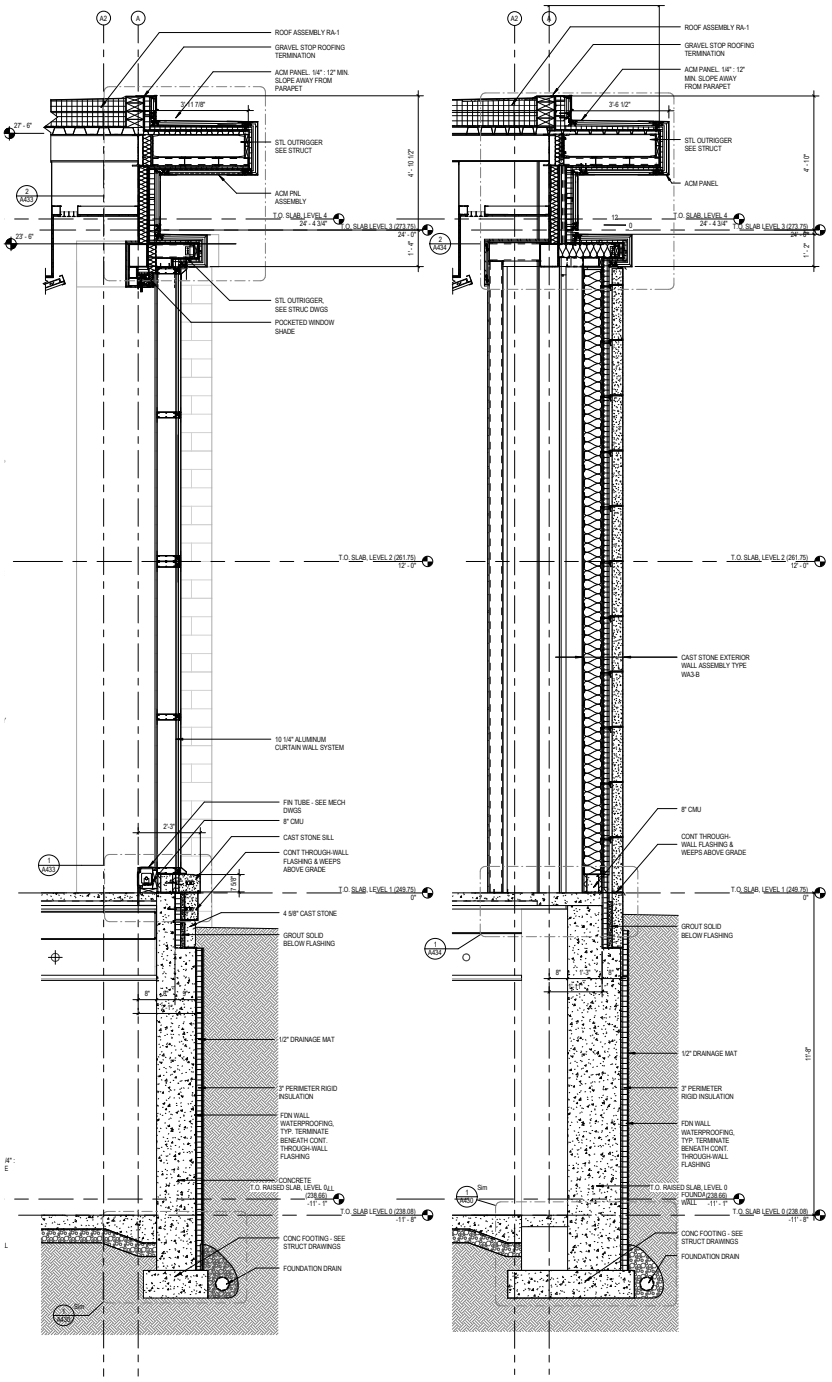



3.



VIEW FROM PUBLIC ENTRY INTO THE CAMPUS





DESIGN TECTONIC:

Material selection was a key driver of the project.

The design was grounded in university design standards to ensure contextual fit within the campus.

At the same time, larger expanses of glass and metal paneling were introduced—particularly in the prefunction/ lobby space—to create a more contemporary expression, increase daylighting, and enhance visual connection to the campus and approaching visitors.

SHU WELCOME CENTER
LOBBY/ PREFUNCTION



QUEEN CITY ACADEMY

QUEEN CITY ACADEMEY CHARTER SCHOOL - ADDITION AND RENOVATION

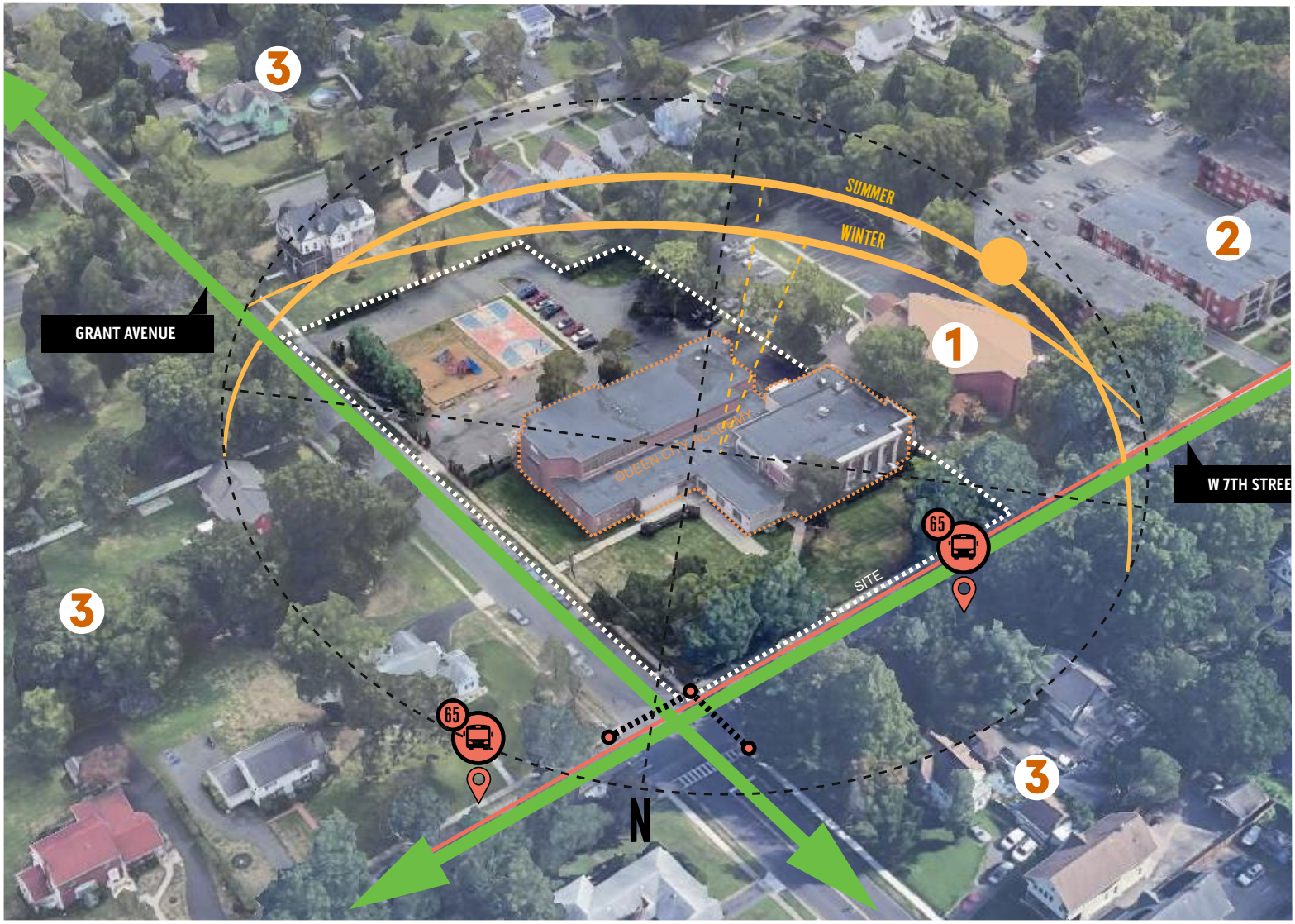
Located in Plainfield New Jersey we designed two new additions to an existing elementary school for queen city academy charter school. This includes a 36,000 sf high school addition and a 22,000 sf middle school addition to consolidate their schools into one location. The design for the project was complete in spring 2026 and the target for completion of construction is fall 2027.

Role: I was project architect from schematic design through construction documents. Led architectural design and coordination with structural, audiovisual, and MEP/FP teams. I acted as the primary client contact for our firm; facilitated internal and external design workshops and project decision-making.

Concept: “confluence of community.” The design establishes a cohesive campus where each school maintains its own identity while being connected through shared commons and exterior courtyards. The campus is oriented to engage the surrounding neighborhood and support community use.



HIGHSCHOOL COMMONS SPACE





W7TH AND GRANT - SOUTH TOWARD THE EXISTING BUILDING



W7TH STREET - EAST TOWARD EXISTING BUILDING



HOUSE ACROSS FROM SCHOOL ALONG GRANT AVE



HOUSE ON ADJACENT PROPERTY ALONG GRANT AVENUE

SITE CONTEXT:

Located within a single-family residential context, the project addresses scale through materiality and massing.

Brick facades, articulated volumes, and a mansard-like roof reduce perceived height and relate to the neighborhood.

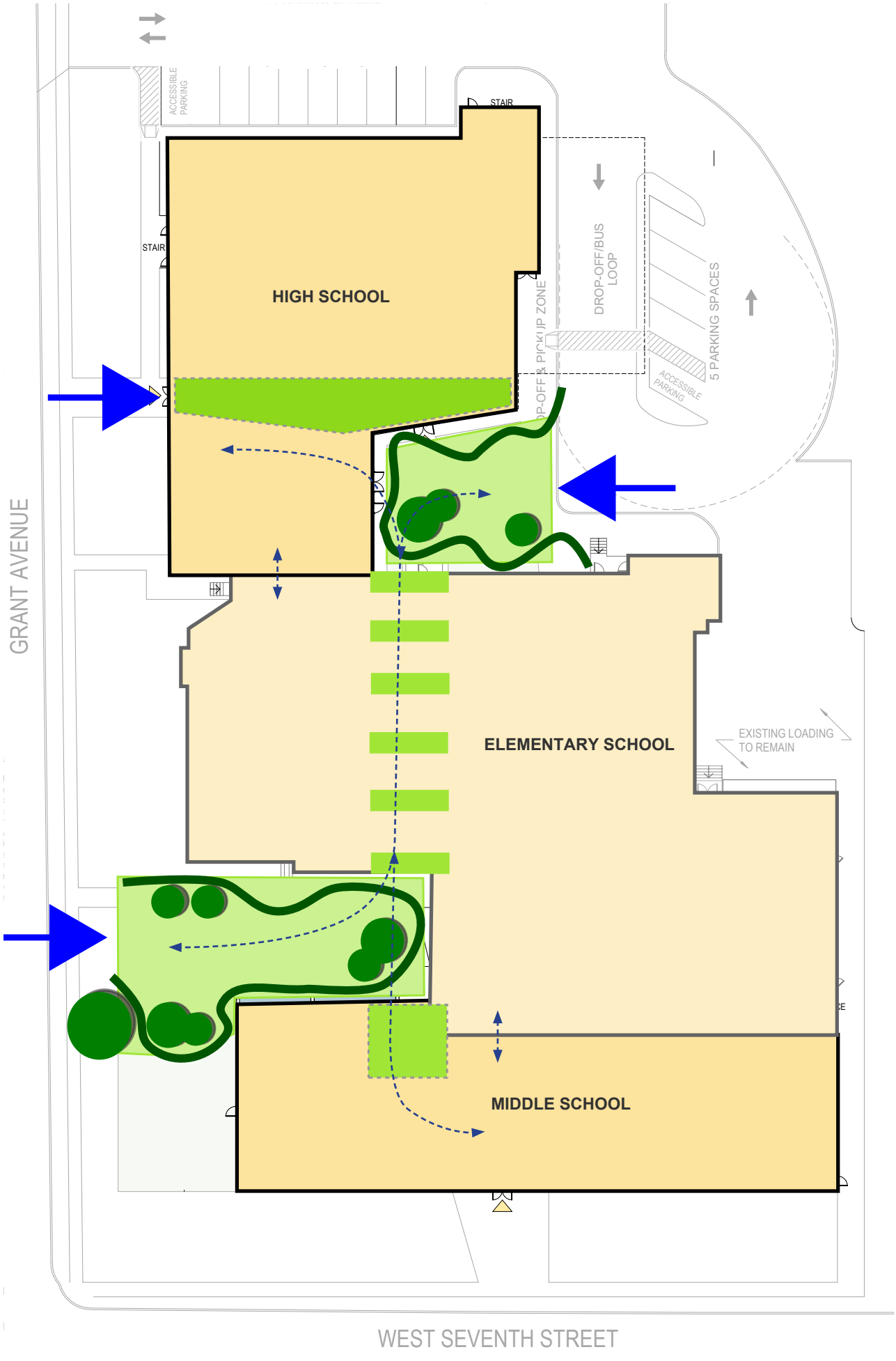
Primary entries and courtyards define each school, while internal commons link the additions into a unified whole.

1 Church assembly space on the adjacent lot

2 Medium density apartment housing.

3 Single family housing neighborhood.

CONCEPT DIAGRAM



DESIGN SOLUTION:

Each addition has its own primary entry and courtyard, providing access to each school. These are connected internally through commons—large multipurpose spaces that create a cohesive experience throughout.

We used materials and massing strategies to help the larger school blend into the surrounding neighborhood, including brick facades and breaking down the third-floor mass with a faux mansard roof to reduce the perceived scale of the building. Exterior materials include brick, Hardie panels, and wood to tie into both the existing building materials and the surrounding residential context.

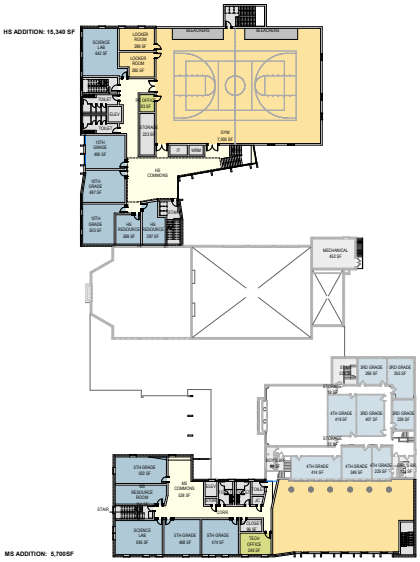
CLASSROOM FUNCTION
ADMINISTRATIVE FUNCTION
ASSEMBLY FUNCTION
CORE/COMMONS FUNCTION
SUPPORT FUNCTION

LEVEL 2 ADDITION SQUARE FOOTAGE:

21,040 GSF



LEVEL 1 PLAN



LEVEL 2 PLAN



LEVEL 3 PLAN

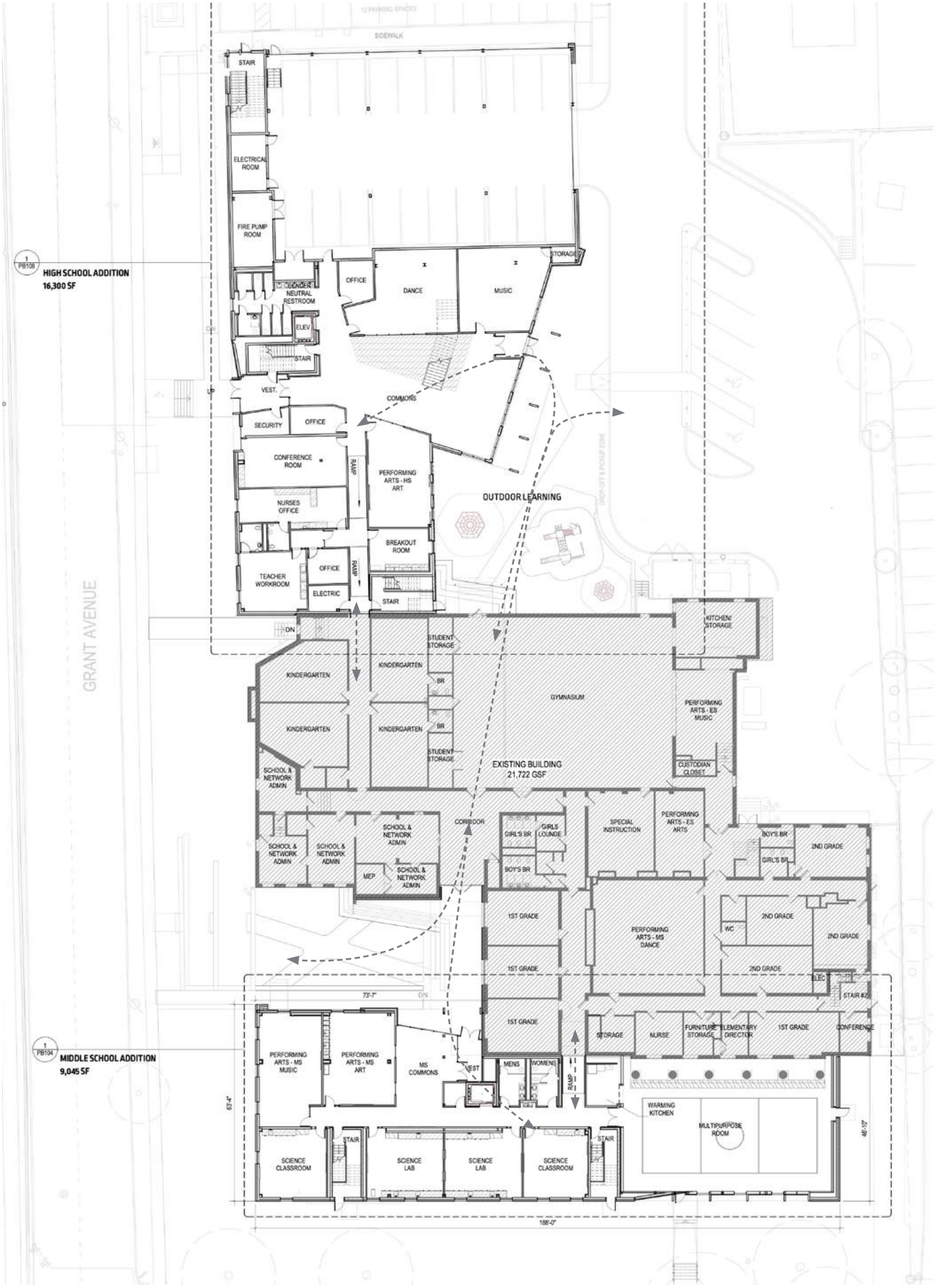


SLATE FIBER CEMENT

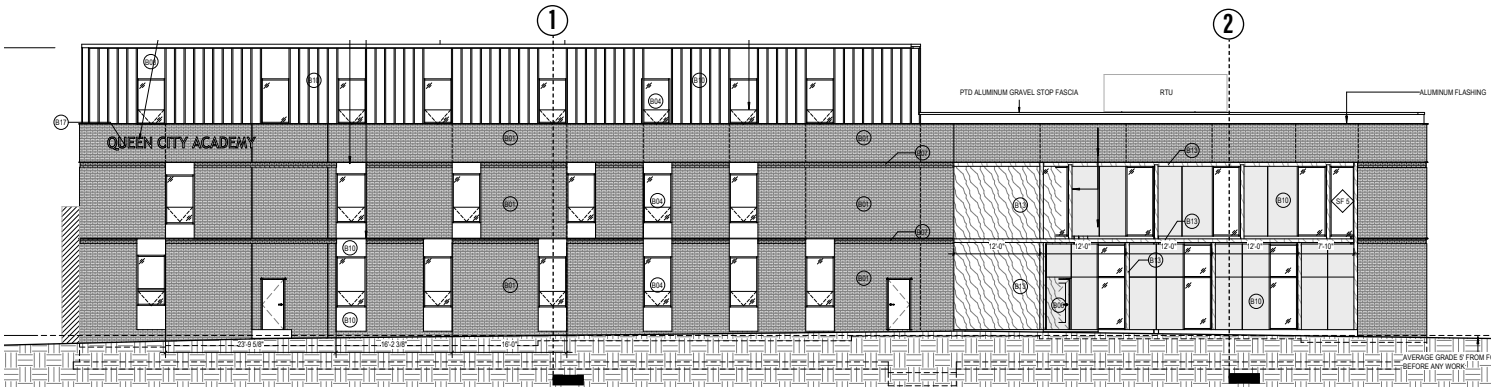
WOOD COLLONADE

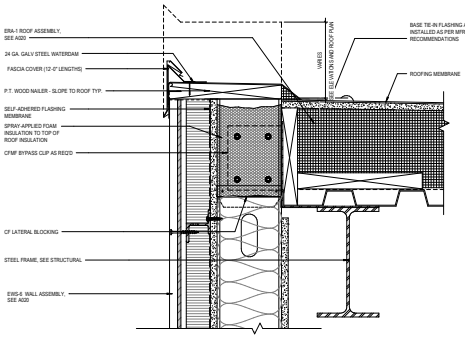
RED BRICK

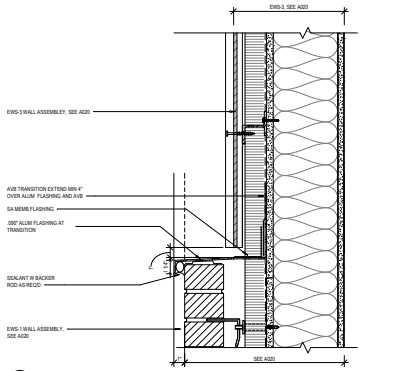
MATERIAL PALETTE



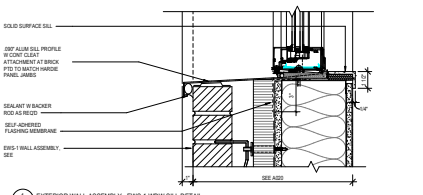
OVERALL LEVEL 1 PLAN



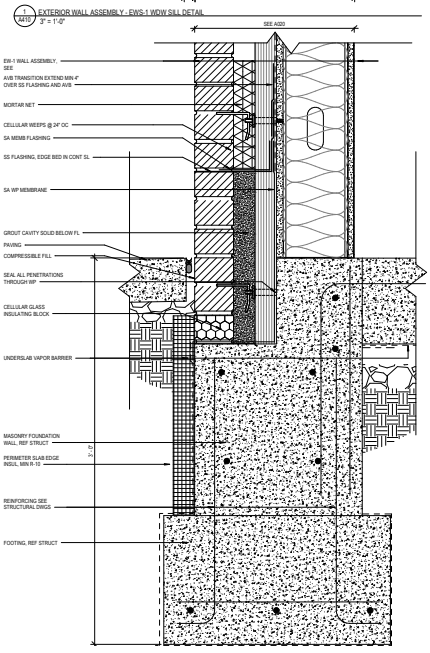


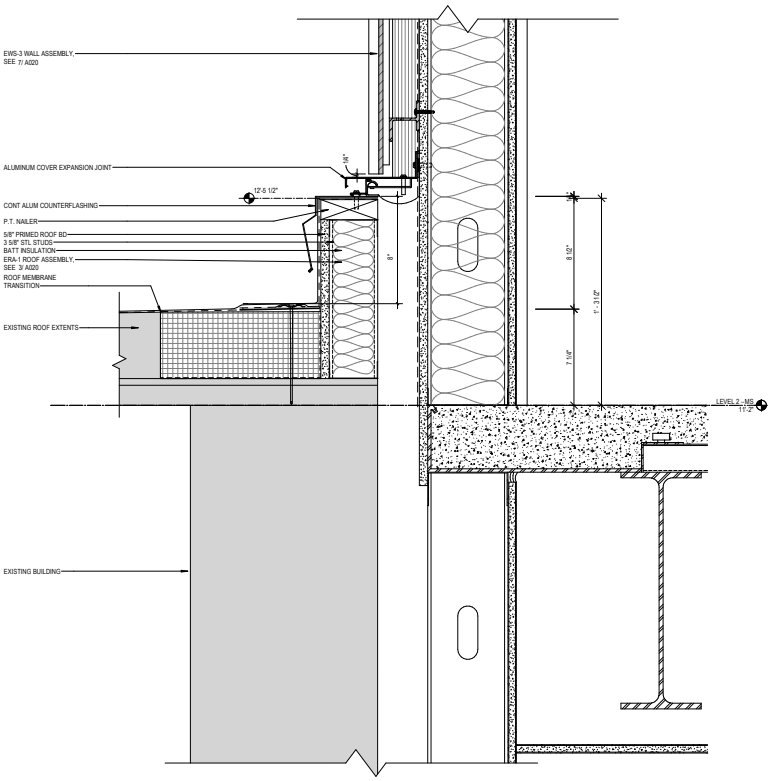


7 / A410 EXTERIOR WALL ASSEMBLY - EWS-1 TRANSITION TO EWS-3 LVL 3
3" = 1'-0"



1 / A410 EXTERIOR WALL ASSEMBLY - EWS-1 WDW SILL DETAIL
3" = 1'-0"





4 / A430 SECTION DETAIL - (E) ROOF/WALL TRANSITION AT LEVEL 2 MS EXP JOINT
3" = 1'-0"

DESIGN TECTONIC:

Masonry on the lower two stories, combined with storefront slot windows inset within hardie panel, creates a timeless expression that respects the neighborhood character while remaining playful.

On the third floor, the building steps back and transitions to a slate-colored board-and-batten panel that reads as a mansard roof, reducing the vertical scale and reinforcing a more residential character.

Careful integration with the existing building was critical. Attention to detail at interfaces—where new roofs, walls, and floors meet existing conditions—ensures adequate space for expansion joints to accommodate differential movement between the additions and the existing structure.

FARLEIGH DICKENS UNIVERSITY

FARLEIGH DICKENS UNIVERSITY- ROBOTICS LAB ALTERATION

Located in Teaneck, New Jersey, this 965 sf alteration renovates an existing robotics lab at Farleigh Dickenson. The project was designed in spring 2024 and complete in the fall of 2024.

My role: I served as project architect following concept design. The team moved directly into construction documentation over a two-week period. I led technical development, coordinated documentation efforts, and directed construction administration through completion.

Big idea: the project focused on visibility and branding. The lab is located at the end of an underutilized corridor with no clear indication of destination. We introduced interior glazing to reveal activity within the classroom and used graphic elements to express the function of the space. The project had a small budget so focusing on key design areas was important.



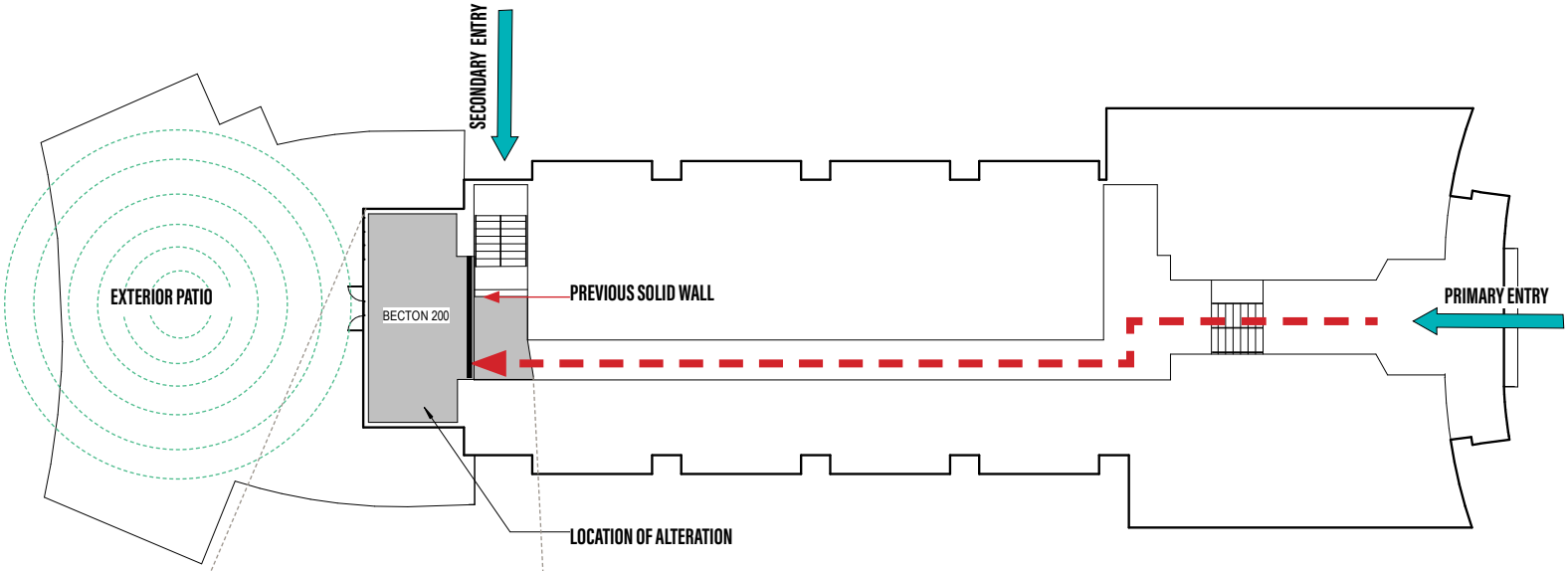
RESEARCH ROOM

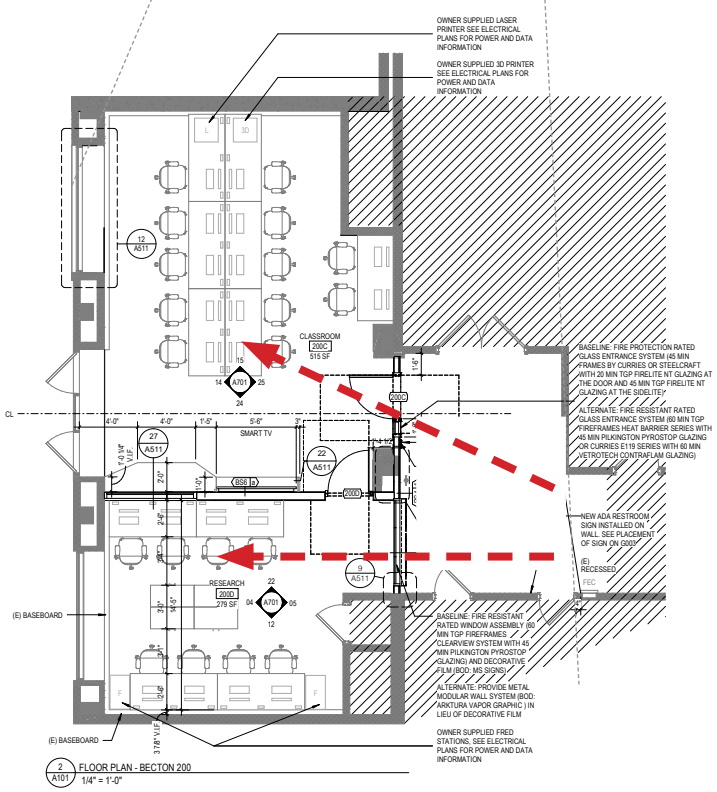
SITE CONTEXT:

The space is within an existing building whose primary entry is at the opposite end. Upon entering from the main stairs, the corridor previously terminated in CMU walls with no clear way-finding to departments.

An exterior patio overlooking campus is also directly accessible from the lab but was not visible or known from inside the building. The design aimed to establish visual connections, improve departmental identity, and strengthen links back to campus circulation.

KEY PLAN





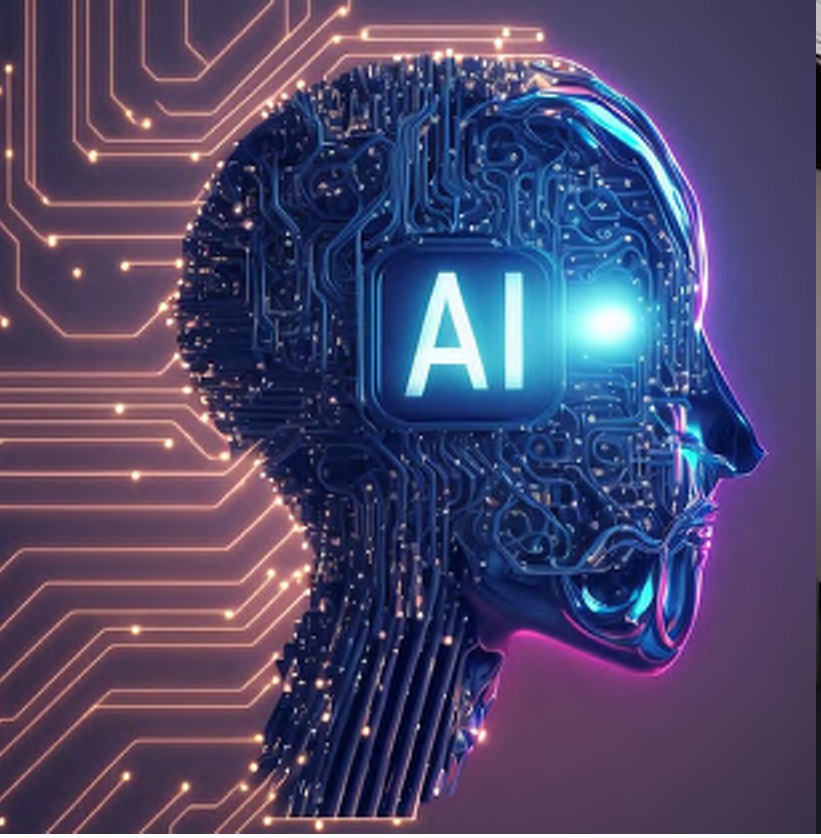


EXISTING CORRIDOR END

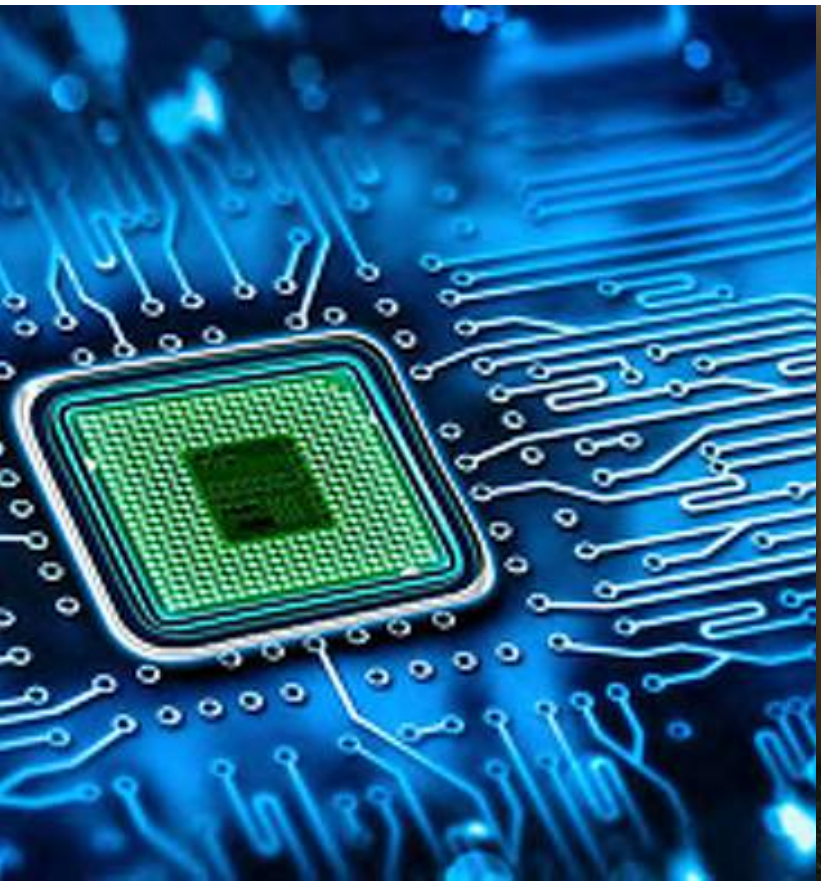


PROPOSED CORRIDOR END

LEVEL 1 PLAN



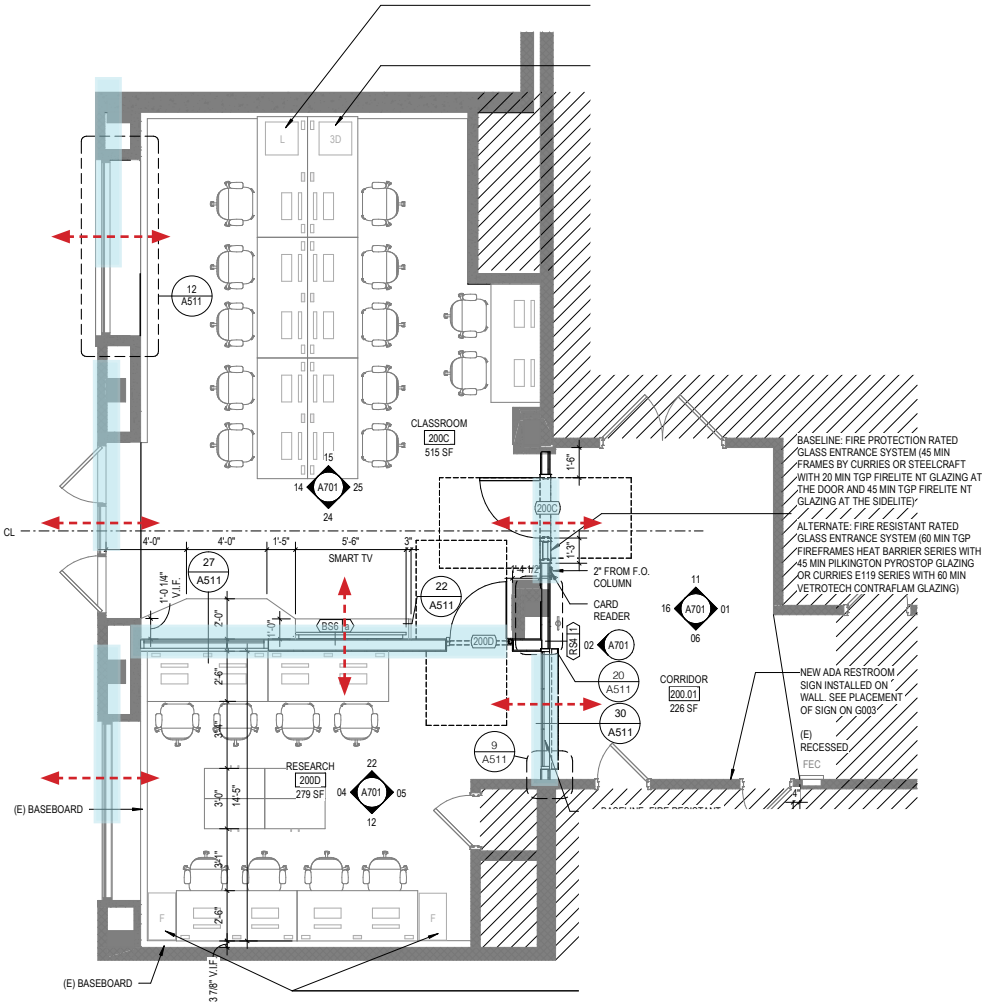




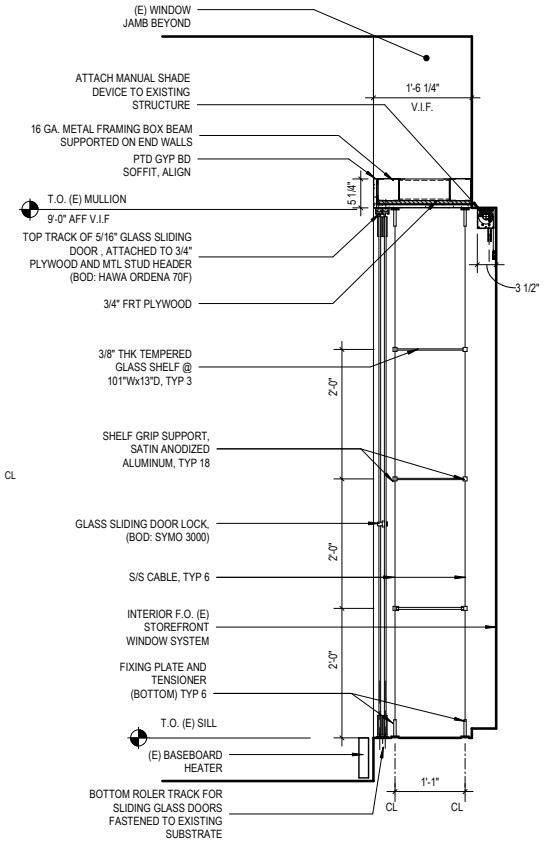


DESIGN IDEA

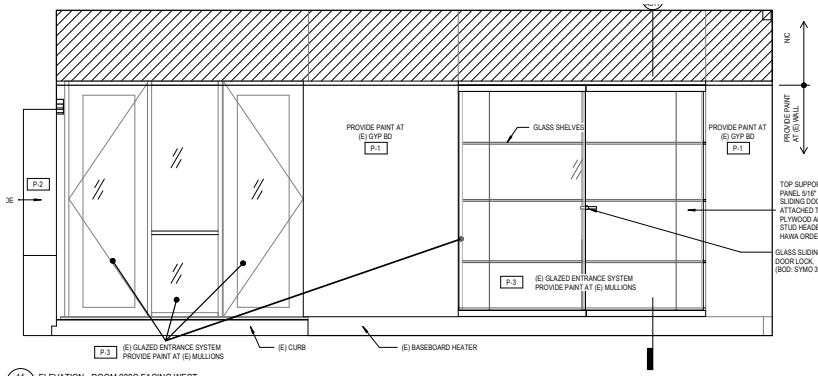
Branding and way-finding were key drivers for establishing presence and visibility for the robotics lab within the university. Drawing from themes of AI and microchips, a graphic/architectural gesture extends from within the space into the corridor, forming a custom feature element that anchors and identifies the lab. A custom vector pattern—developed with a vendor—was applied across panels and window film to create a continuous motif referencing circuit board logic.



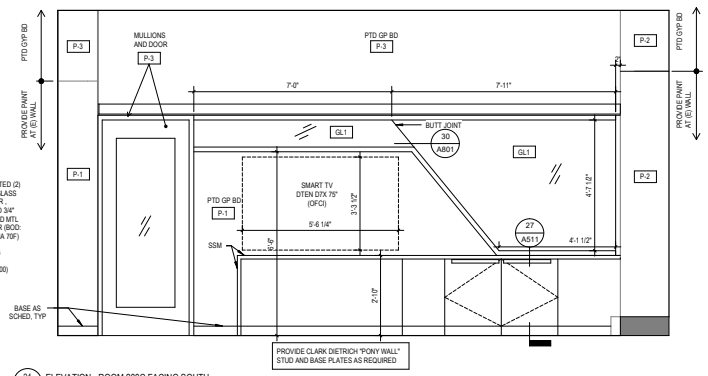
2 A101 FLOOR PLAN - BECTON 200
1/4" = 1'-0"



7 A511 DISPLAY SHELVING - SECTION
3/4" = 1'-0"



14 A701 ELEVATION - ROOM 200C FACING WEST
1/2" = 1'-0"



24 A701 ELEVATION - ROOM 200C FACING SOUTH
1/2" = 1'-0"

Transparency was also critical. Extensive glazing was introduced to maximize daylight and visibility while maintaining functional performance. Selective window film was used to balance openness with privacy, creating a branded layer that also enhances curiosity and engagement. An open glass shelving system was incorporated to house equipment while preserving light penetration and spatial transparency.

FARLEIGH DICKENSON - ROBOTICS LABORATORY




Lenovo



SOUTH WARD PROMISE VILLAGE

SOUTHWARD PROMISE VILLAGE - AFFORDABLE HOUSING

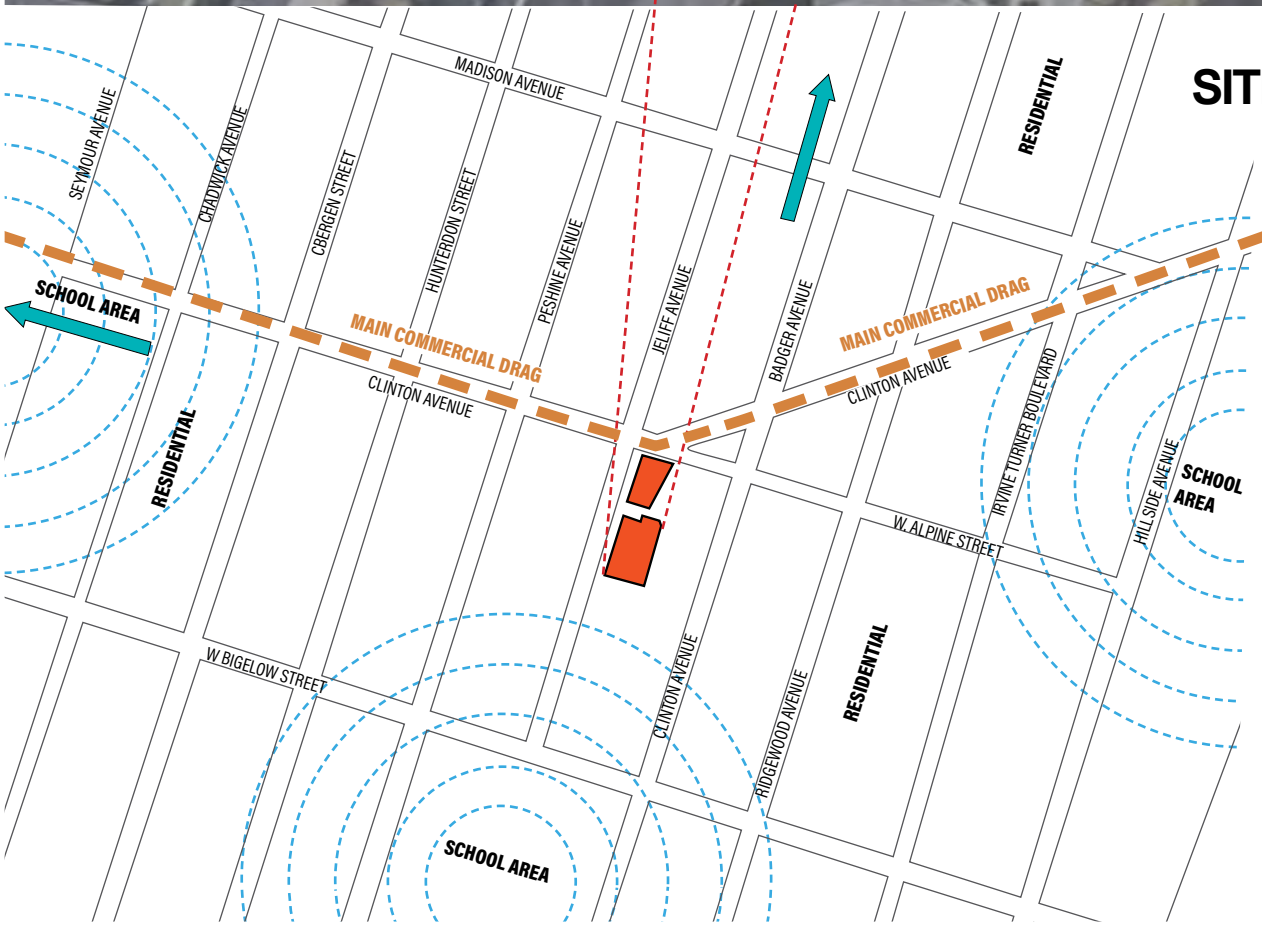
Located in Newark New Jersey we designed a 28,000 sf, 4-story affordable housing building over a ground-level parking lot, which shared a site with the brick achieve charter school. The owner envisioned the housing being used for student and teacher communities. The project was designed in the fall 2018.

Role: I was project architect and lead designer through schematic design. Led early-stage housing market research for the firm, developed design through internal/external charrettes, coordinated energy analysis with consultants, and produced schematic documentation.

Concept: “backyard for the community.” The project establishes a shared outdoor deck as a central communal space, partially accessible to the school during the day and residents at all times. The design prioritizes family-oriented housing, with an emphasis on increasing 2- and 3-bedroom units while maintaining overall unit yield We also studied unit distribution extensively, balancing overall unit yield with a higher proportion of 2- and 3-bedroom units to support families.

NEIGHBORHOOD BACKYARD SCHEME

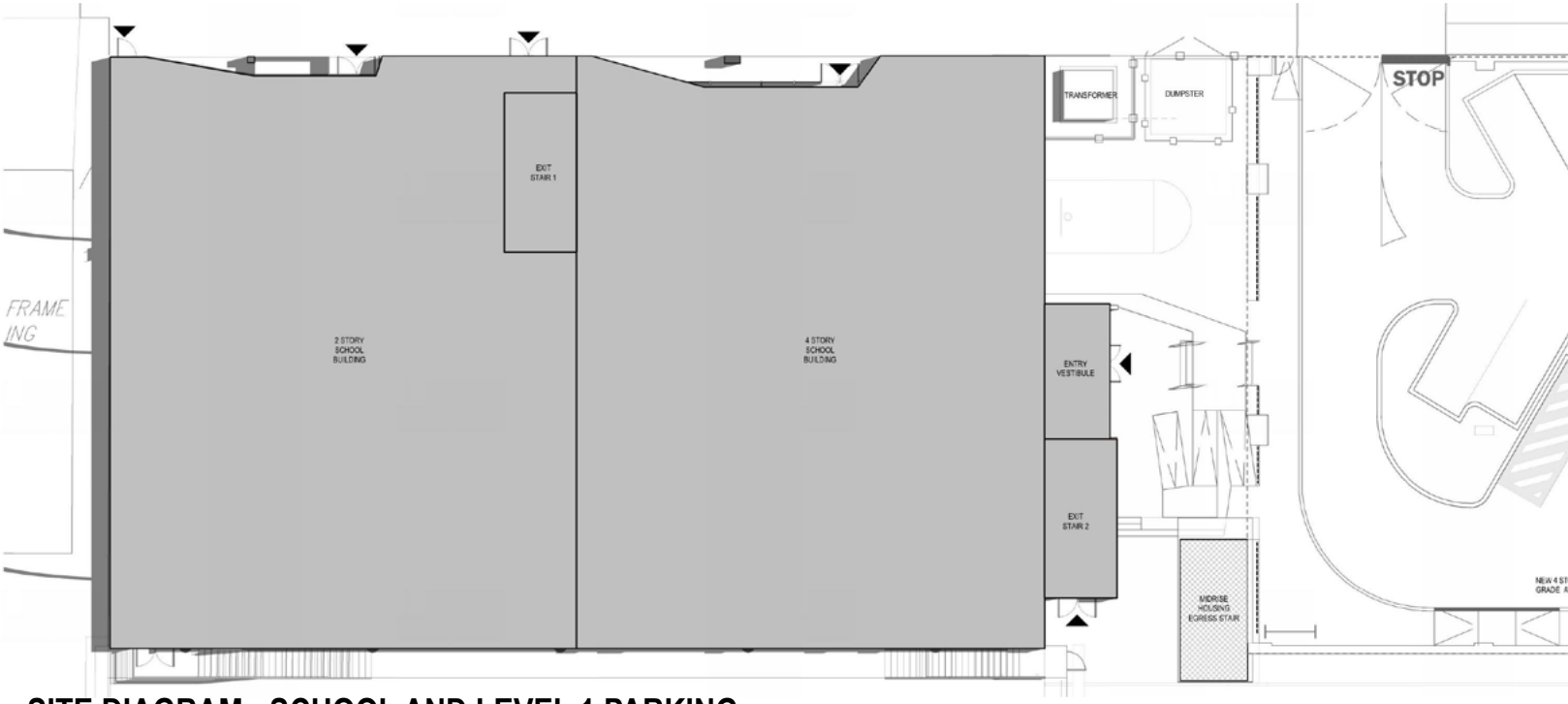




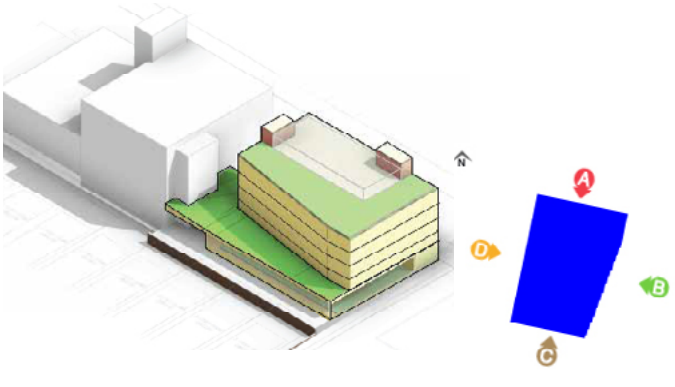
SITE CONTEXT:

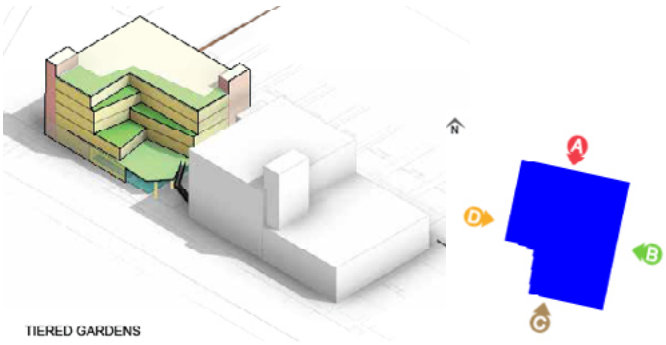
The site is shared with the brick achieve charter school and is located in a residential neighborhood just off Newark's main commercial corridor.

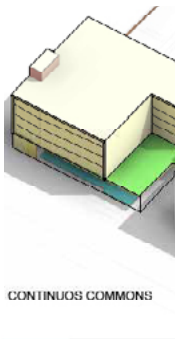
It is also central to three nearby schools, making family-oriented unit distribution an important consideration.



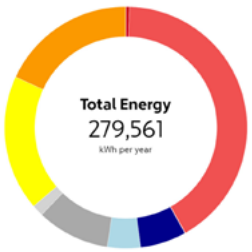
SITE DIAGRAM - SCHOOL AND LEVEL 1 PARKING









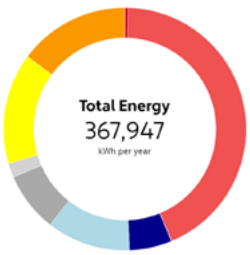


Segment	$ per year	% of total use
Heating	**$3,632**	**14 %**
AHU	$42	0 %
Zones	$3,584	14 %
Humidification	$6	0 %
Cooling	**$4,093**	**16 %**
AHU	$2,388	9 %
Heat Rejection	$0	0 %
Zones	$1,705	7 %
Fans	**$4,371**	**17 %**
AHU	$3,773	14 %
Zones	$598	2 %
Interior	**$14,060**	**54 %**
Lighting	$7,030	27 %
Equipment	$7,030	27 %
Pumps	**$0**	**0 %**

Segment	kWh per year	% of total use
Heating	**117,164**	**42 %**
AHU	1,356	0 %
Zones	115,625	41 %
Humidification	183	0 %
Cooling	**29,511**	**11 %**
AHU	17,216	6 %
Heat Rejection	0	0 %
Zones	12,295	4 %
Fans	**31,520**	**11 %**
AHU	27,206	10 %
Zones	4,314	2 %
Interior	**101,366**	**36 %**
Lighting	50,683	18 %
Equipment	50,683	18 %
Pumps	**0**	**0 %**

BACKYARD SCHEME





Segment	$ per year	% of total use
Heating	**$4,989**	**15 %**
AHU	$91	0 %
Zones	$4,892	15 %
Humidification	$6	0 %
Cooling	**$8,575**	**25 %**
AHU	$2,884	9 %
Heat Rejection	$0	0 %
Zones	$5,691	17 %
Fans	**$5,028**	**15 %**
AHU	$4,055	12 %
Zones	$973	3 %
Interior	**$15,108**	**45 %**
Lighting	$7,554	22 %
Equipment	$7,554	22 %
Pumps	**$0**	**0 %**

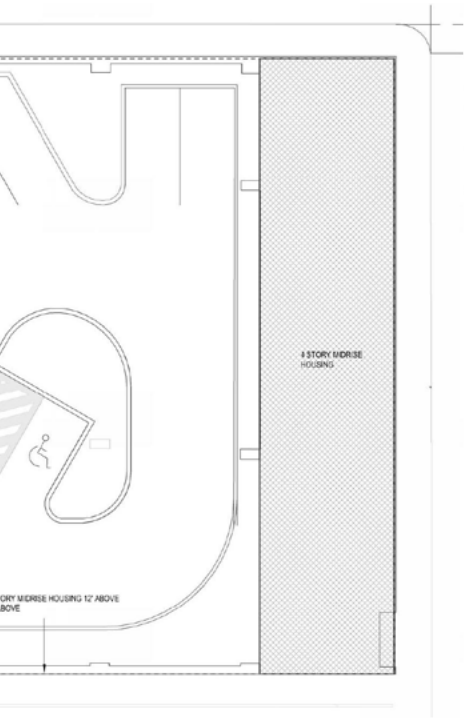
Segment	kWh per year	% of total use
Heating	**160,948**	**44 %**
AHU	1,446	0 %
Zones	159,305	43 %
Humidification	197	0 %
Cooling	**61,829**	**17 %**
AHU	20,796	6 %
Heat Rejection	0	0 %
Zones	41,033	11 %
Fans	**36,248**	**10 %**
AHU	29,233	8 %
Zones	7,015	2 %
Interior	**108,922**	**30 %**
Lighting	$54,461	15 %
Equipment	$54,461	15 %
Pumps	**0**	**0 %**

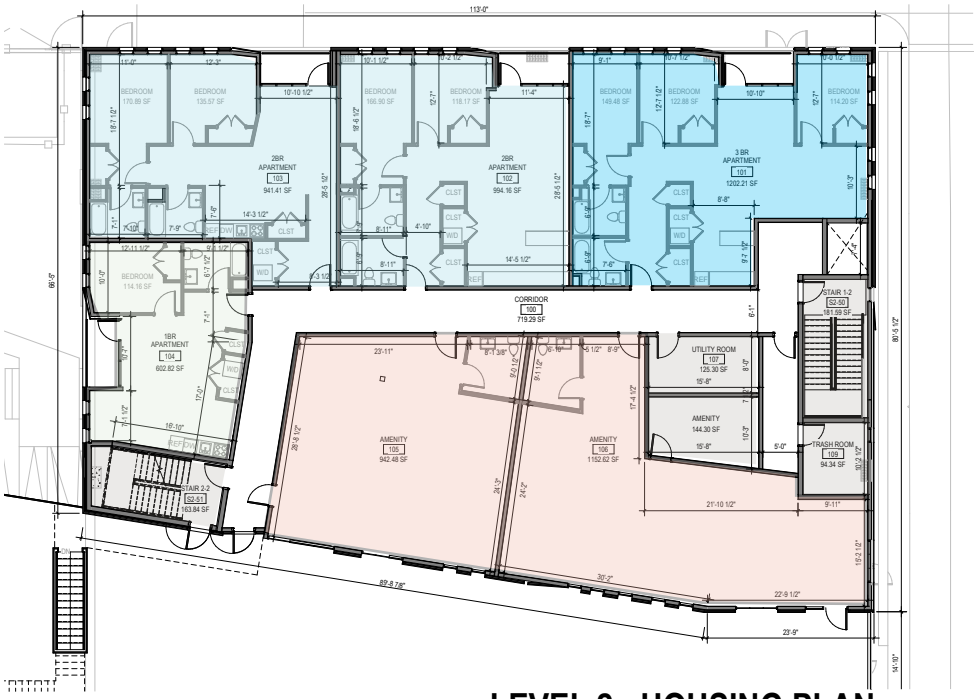
TIERED GARDEN SCHEME



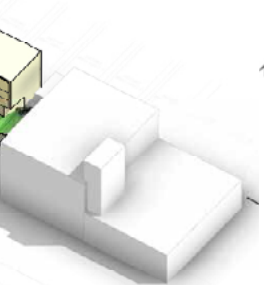
Segment	$
Heating	
AHU	
Zones	
Humidification	
Cooling	
AHU	
Heat Rejection	
Zones	
Fans	
AHU	
Zones	
Interior	
Lighting	
Equipment	
Pumps	

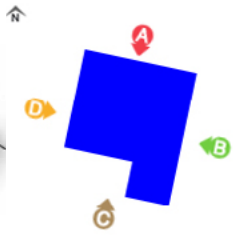
SHARED C





LEVEL 2 - HOUSING PLAN

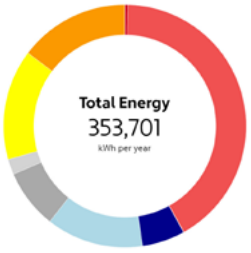






LEVEL 3-5 - HOUSING PLAN





Segment	kWh per year	% of total use
Heating	148,442	42 %
Cooling	65,916	19 %
Fans	35,235	10 %
Interior	104,108	29 %
Pumps	0	0 %

COURTYARD SCHEME

We developed multiple massing studies, incorporating sustainability and energy performance as key design drivers. We used sefaira with our engineers to evaluate performance scenarios and inform the final scheme.

Another key design factor was unit distribution. There is a significant lack of two and three bedroom unit apartments throughout Newark, so we were tasked with creating a layout that was efficient but prioritized family dwelling units over maximizing number of units.

SOUTH WARD PROMISE VILLAGE - PLAN DIAGRAM

- ONE BEDROOM UNIT
- TWO BEDROOM UNIT
- THREE BEDROOM UNIT
- AMENITY SPACE
- SUPPORT SPACE
- CIRCULATION SPACE



SOUTH WARD PROMISE VILLAGE - HOUSING AND SCHOOL

Materiality: materials and detailing were developed to visually relate the housing to the adjacent school, creating a cohesive campus identity.


ACHIEVE COMMUNITY
CHARTER SCHOOL

BRICK ACHIEVE CHARTER SCHOOL

SOUTH WARD PROMISE VILLAGE - BRICK ACHIEVE CHARTER SCHOOL

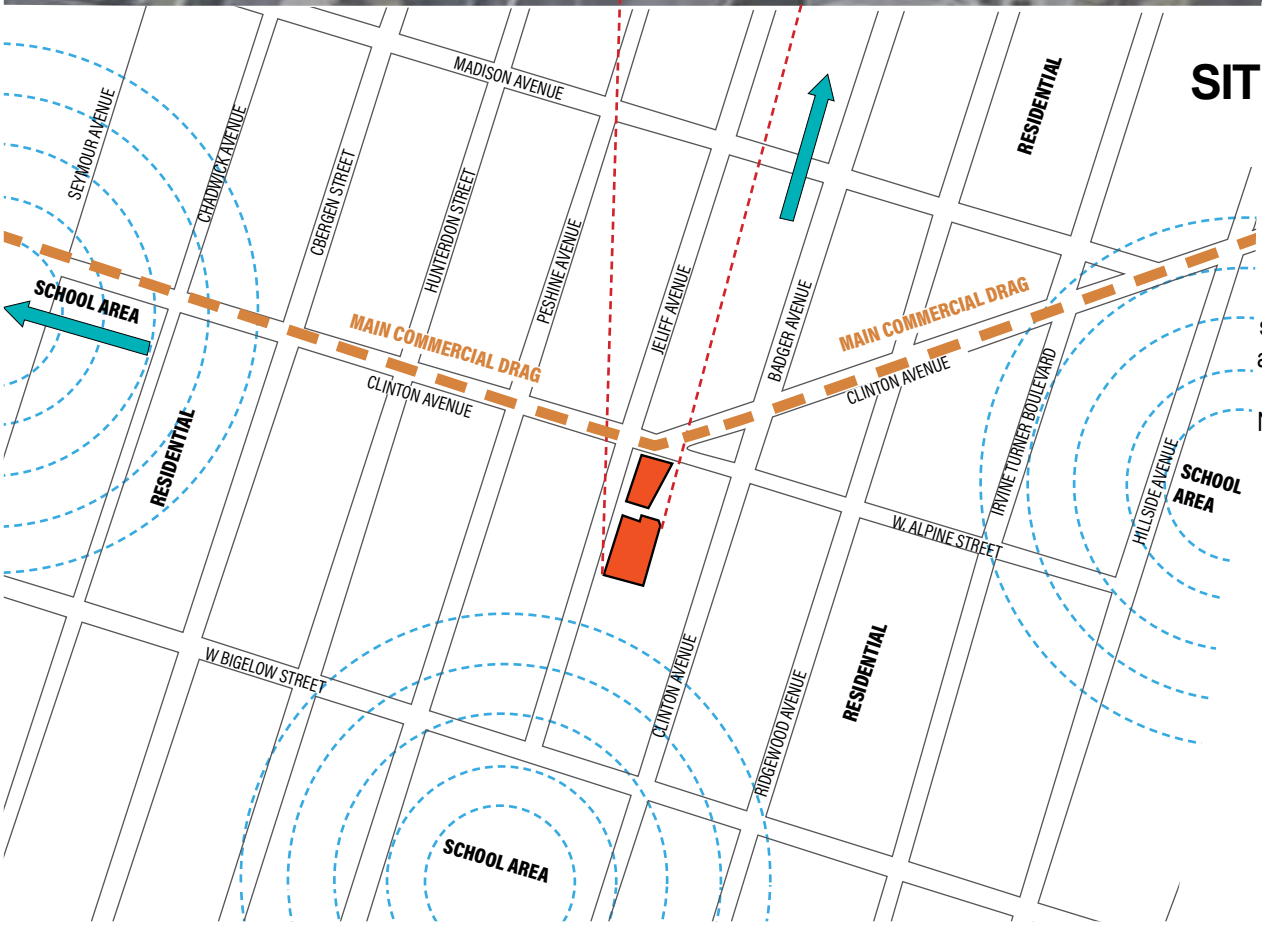
Located in Newark, New Jersey, this project includes a 16,000 sf addition to an existing 39,000 sf building. The original structure was a light industrial building, which was renovated and expanded to improve accessibility and bring it up to current energy and building code standards. The project was designed in the fall 2018

Role: I was project architect from design development through construction documents. Led code review due to updated regulations, redesign of affected systems, and coordination through construction documentation. Primary client and consultant contact.

Concept: a vertical progression of learning expressed through material evolution. Lower levels retain and restore existing industrial materials, while upper levels introduce lighter, contemporary systems that symbolize academic advancement of students through their education.







SITE CONTEXT

The site is shared with the south ward promise village and is located in a residential neighborhood just off Newark's main commercial corridor. It is also central to three nearby schools, reinforcing a broader educational network within Newark.

The school also shares access to a portion of the adjacent "backyard" created by the housing project, forming a community event space located between schools and near the commercial corridor.

BRICK ACHIEVE CHARTER SCHOOL- LEVEL 1 PLAN DIAGRAM

- Classrooms
- Special Classroom
- Flex / Event Space
- Admin / Office
- Servery
- Gymnasium
- Support
- Circulation

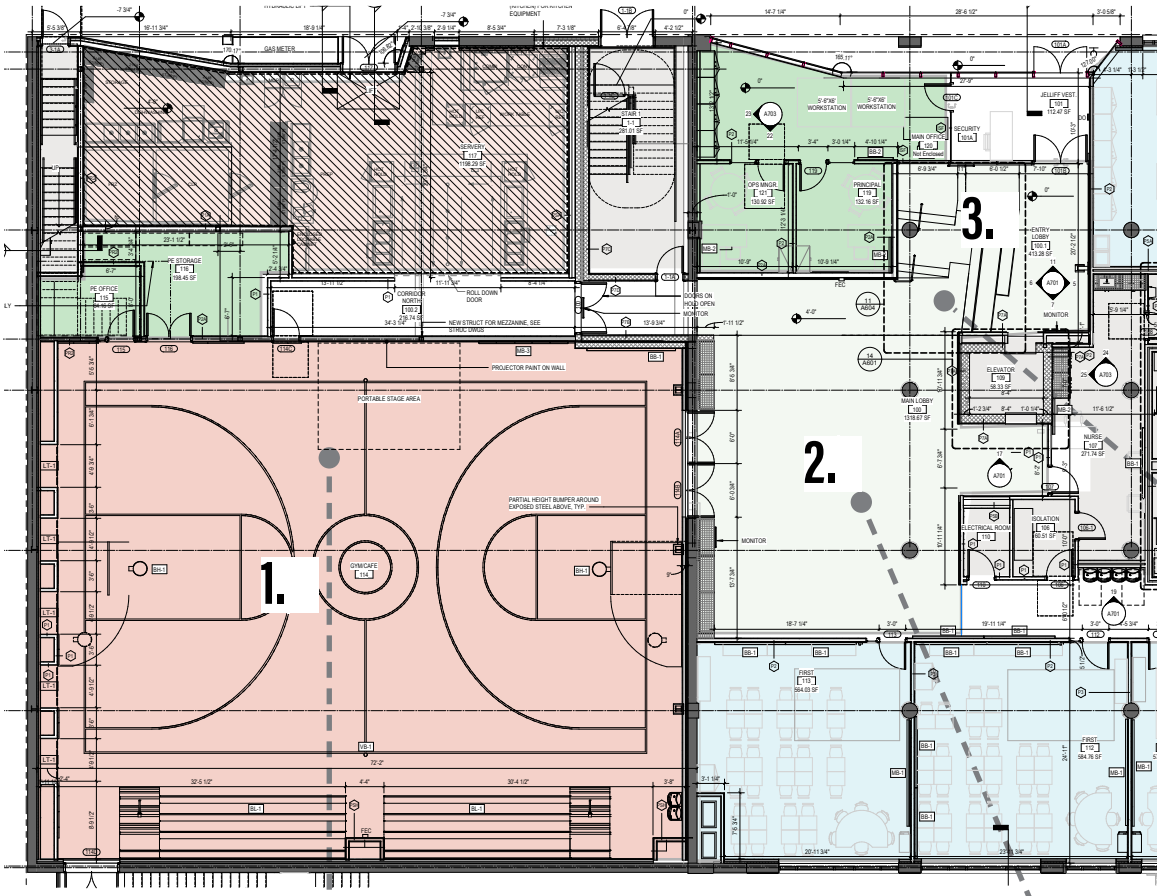
Key program elements include a dual-use gymnasium/cafeteria, a pre-function commons, integrated seating at entry for gathering and presentations, and exterior stair and ramp improvements to enhance accessibility and circulation.

1. Gymnasium / Auditorium

2. Multipurpose /Flexible Open Space

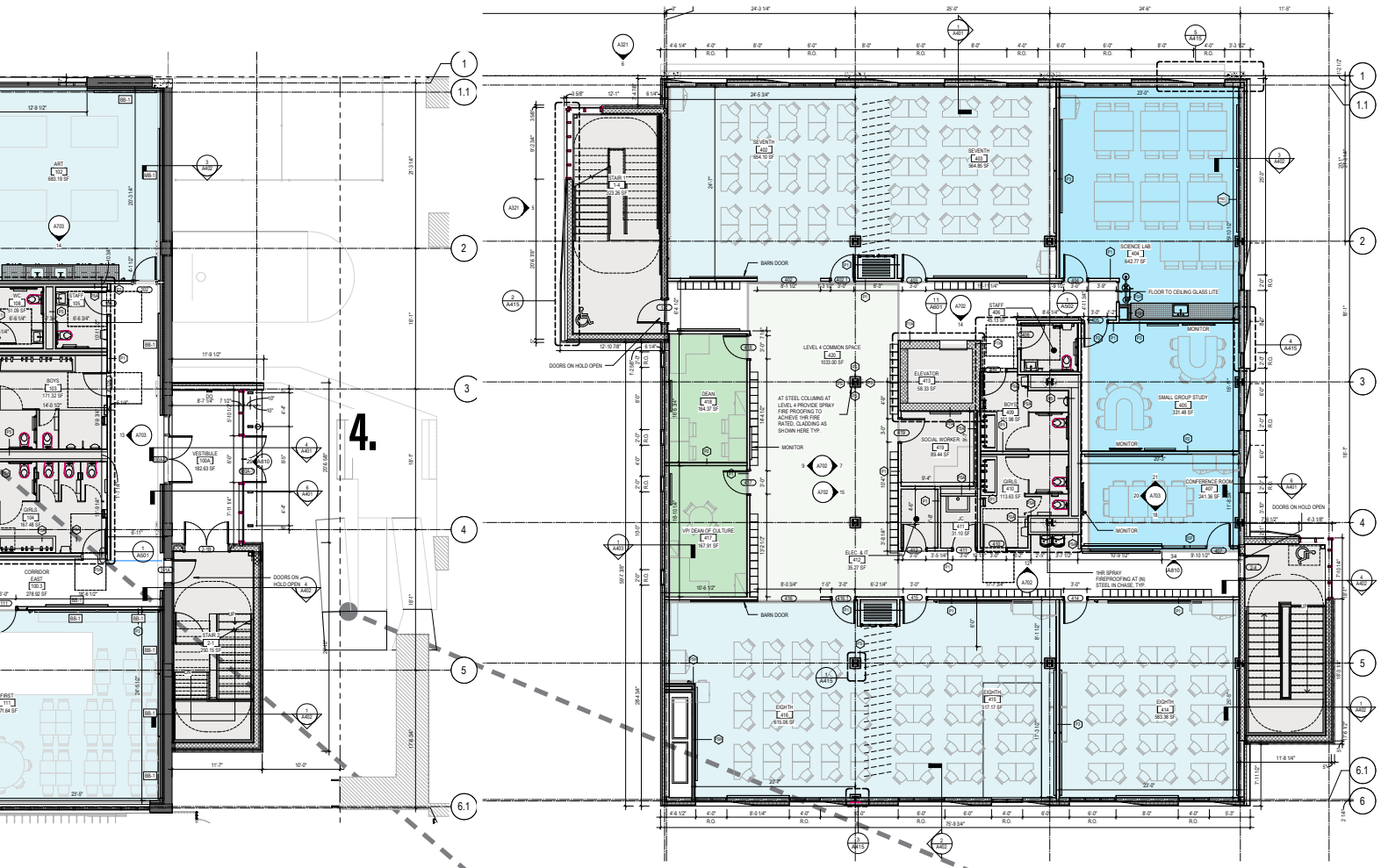
3. Public Lecture/ Learning Space

4. Exterior Accessibly Courtyard / Entry



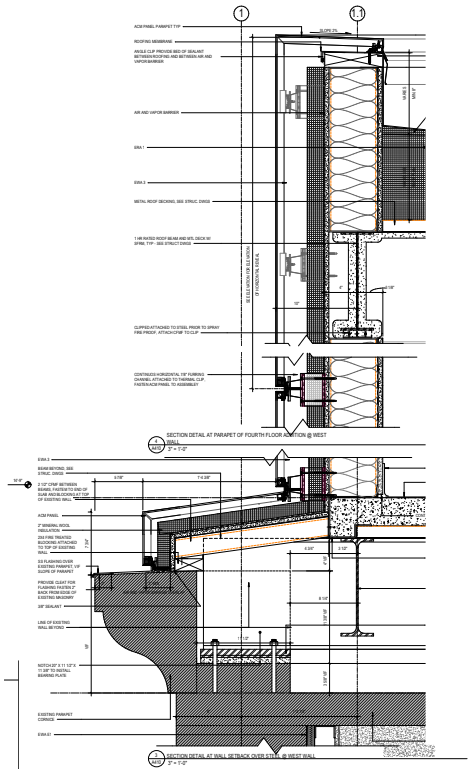


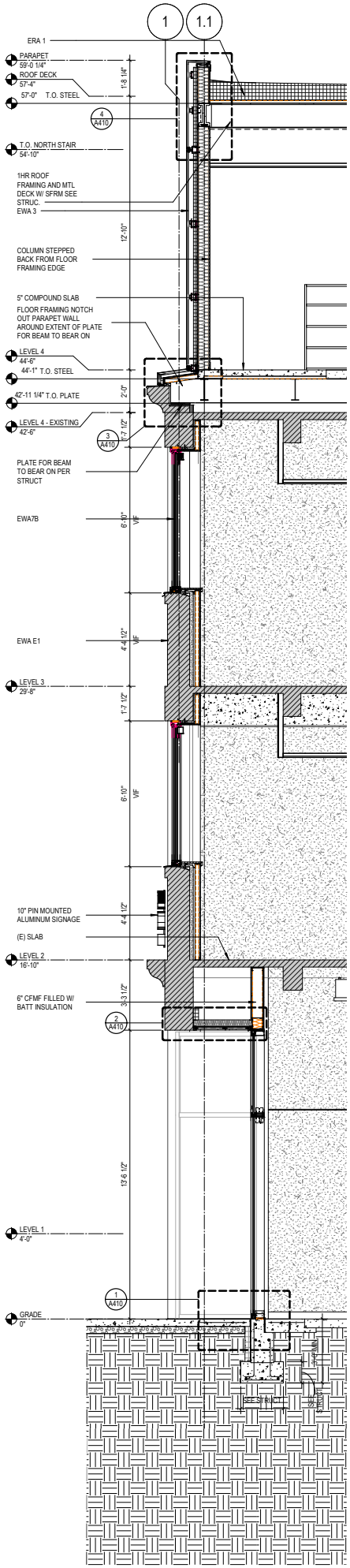


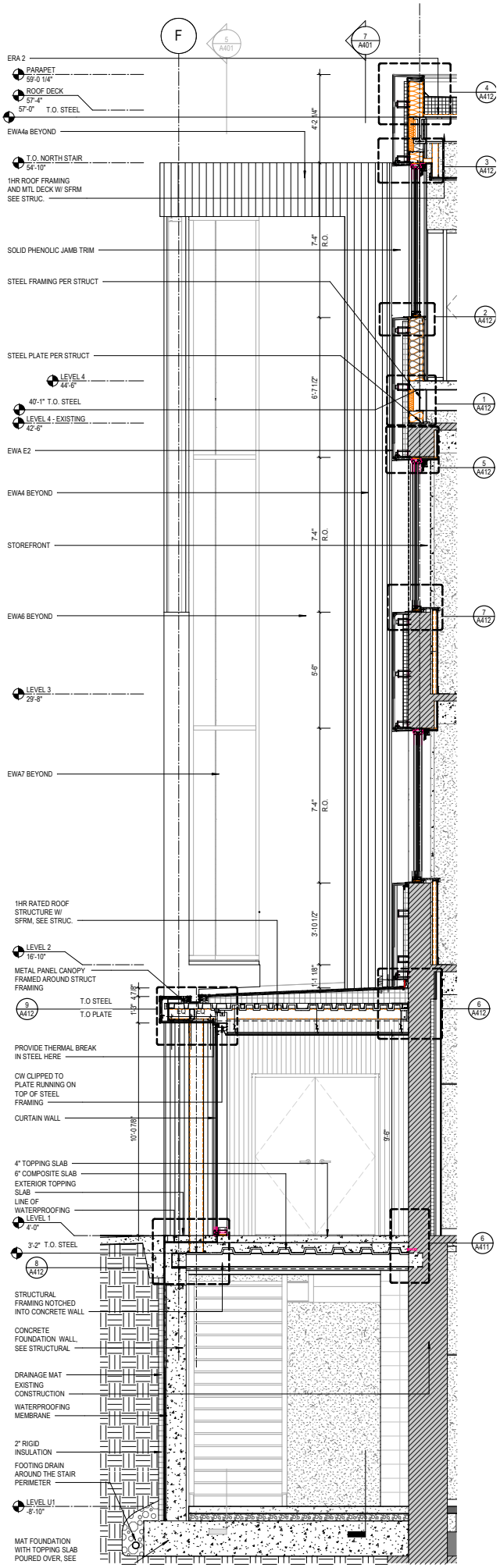

4.


3.


4.







DESIGN IDEA/ TECTONIC

The design expresses a gradual progression through education. Existing materials are retained and exposed at the lower levels (representing lower grades), while new, more refined materials are introduced as the building rises. The top-floor addition represents the final grade level and symbolizes the refinement and advancement of students through their education.

Tectonic expression and material strategy were central to the design concept. Existing materials are retained and repaired at the lower levels, while more contemporary materials are introduced as the building rises to reflect a modernized facility. The proposal includes restoration of existing masonry and a transition to storefront glazing and metal panel at the upper-level addition.



BRICK ACHIEVE AS SEEN FROM JELLIFF AVENUE



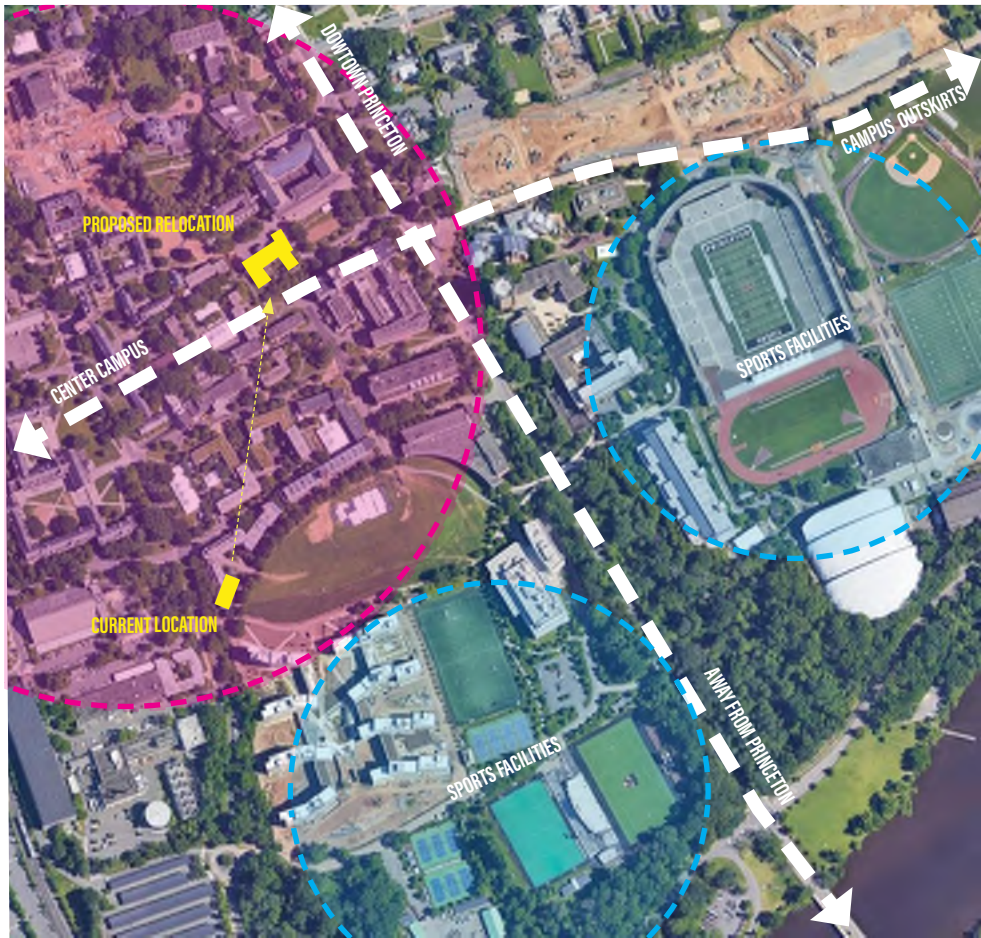
PRINCETON UNIVERSITY

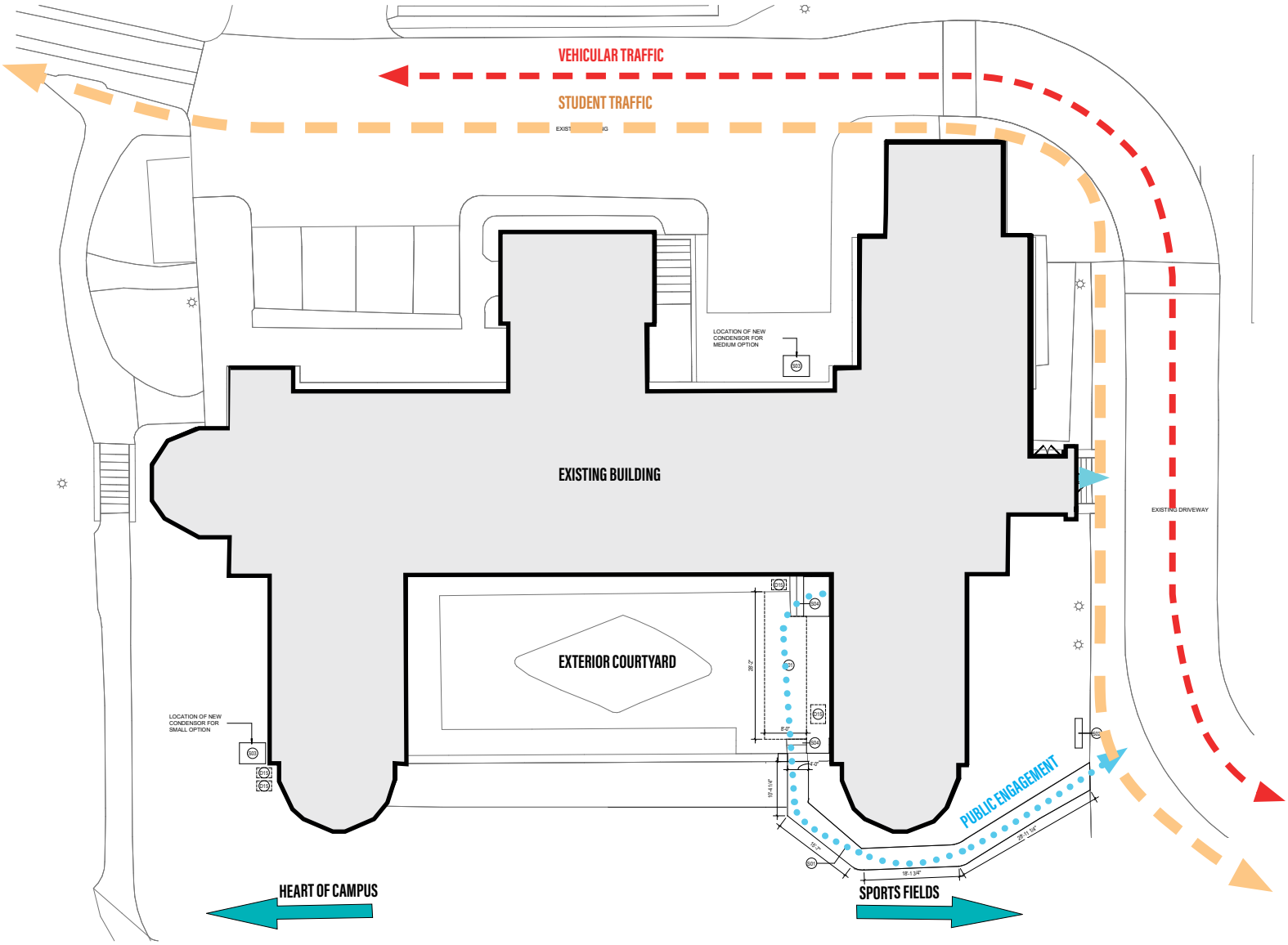
PRINCETON UNIVERSITY - WPRB ALTERATION / RENOVATION

Located in Princeton, New Jersey, this project explores multiple schemes for the relocation of the WPRB radio station, ranging from a 1,140 sf to 2,300 sf renovation of an existing space. The concept design was complete spring 2025.

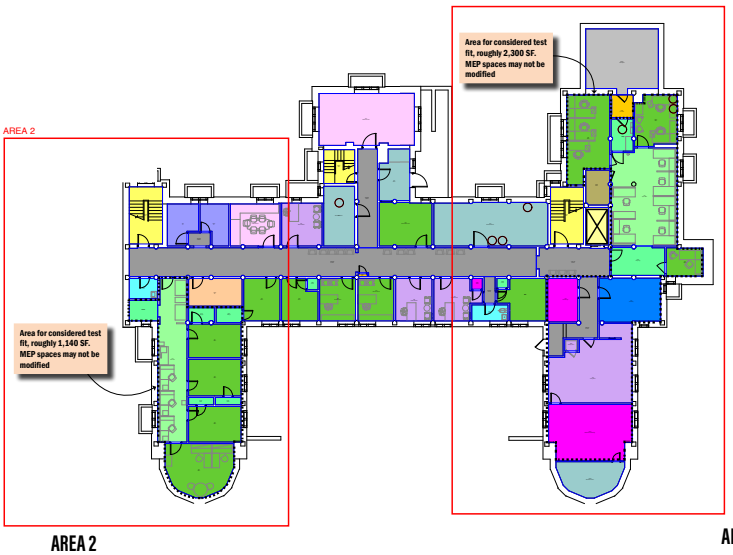
My role: I served as project architect and project manager for the concept and feasibility phase. Developed multiple design schemes and cost analyses in direct coordination with Princeton university. Responsibilities included schedule development, design presentations, consultant coordination, and estimation workshops to evaluate and present relocation options.

Big idea: our schemes focused on creating a central "heart" for the station—a flexible, expressive core space that defines WPRB's identity. This hear would allow WPRB to be better positioned to be public-facing hub for broadcasting, events, and community interaction than their current location in a dormitory allows.





SITE CONTEXT:



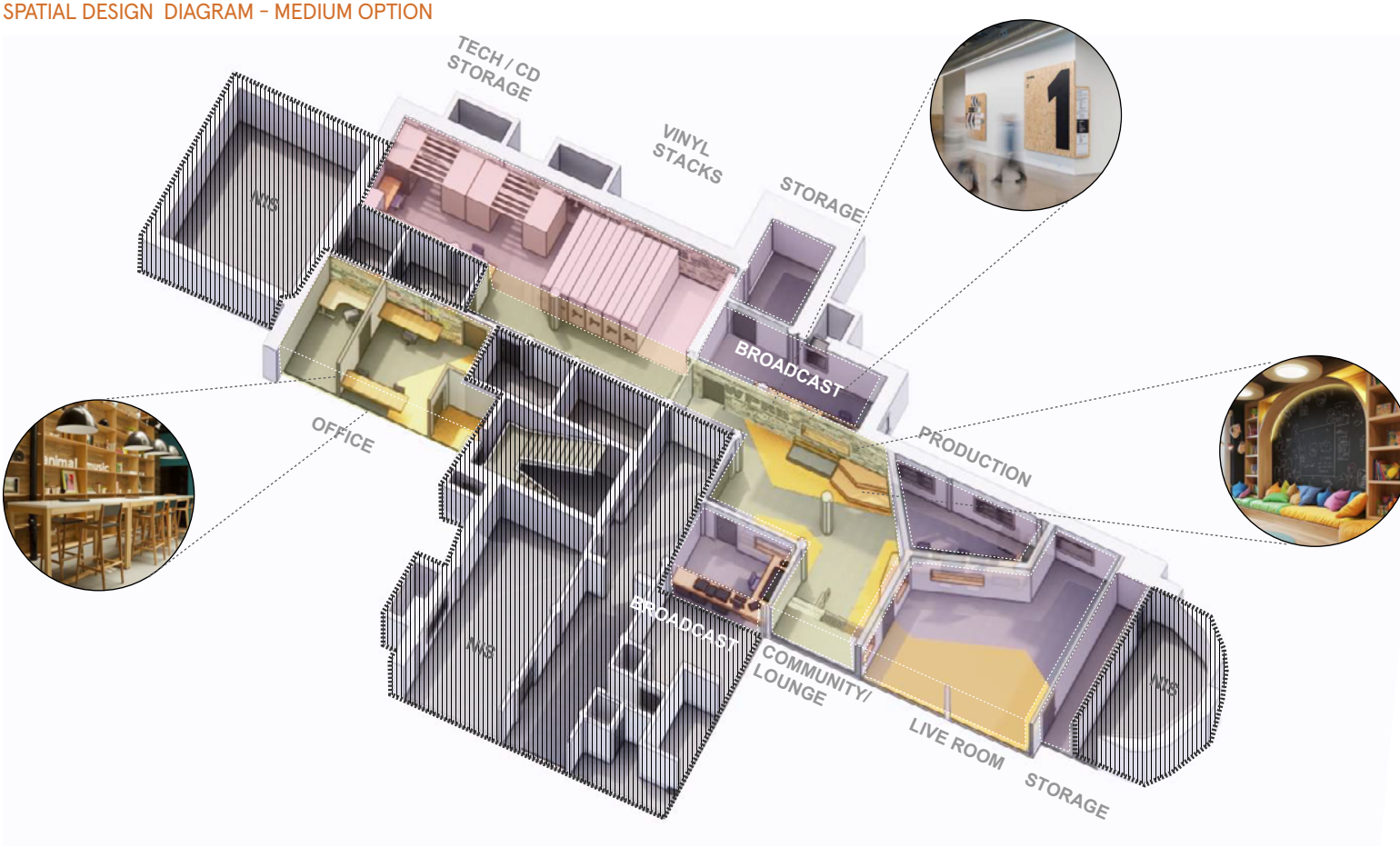
WPRB is a long-standing independent radio station closely tied to both Princeton university and the surrounding community.

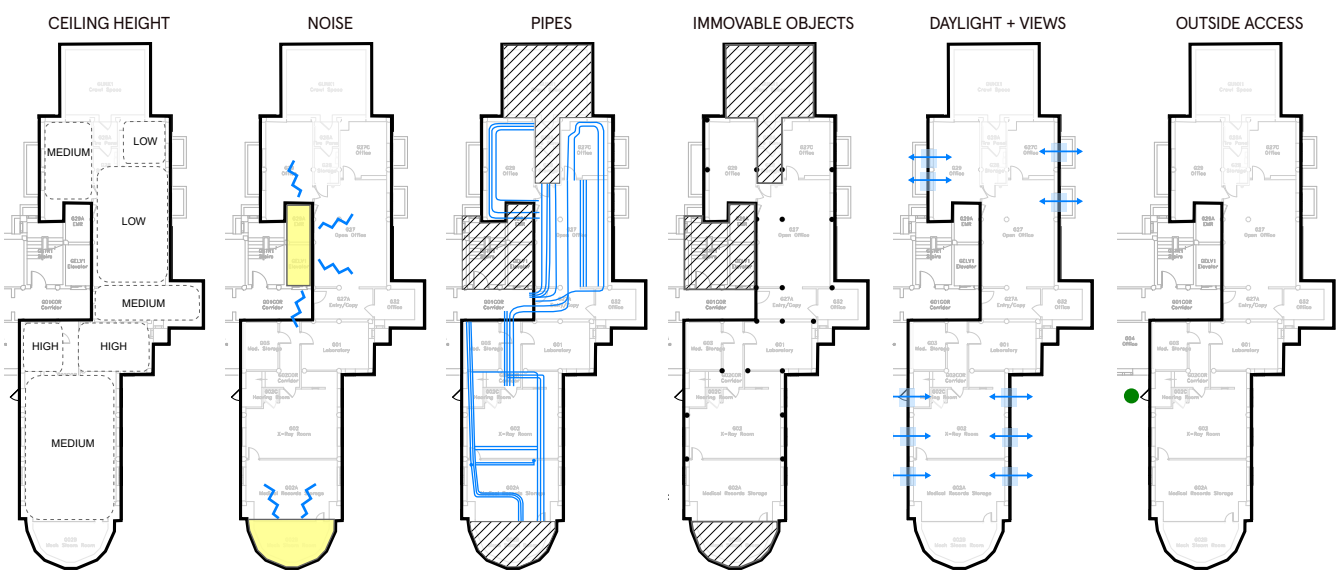
While currently located in a dormitory basement, the station operates outside the traditional university structure.

The existing location presents security and access limitations for off-campus DJs and lacks a clear sense of identity or presence on campus.

We explored converting a recently vacated building into a new dedicated broadcast facility. The proposed site offers a more central campus location along a primary pedestrian corridor, improving visibility, access, and public engagement, while also removing constraints associated being in a dormitory

SPATIAL DESIGN DIAGRAM – MEDIUM OPTION





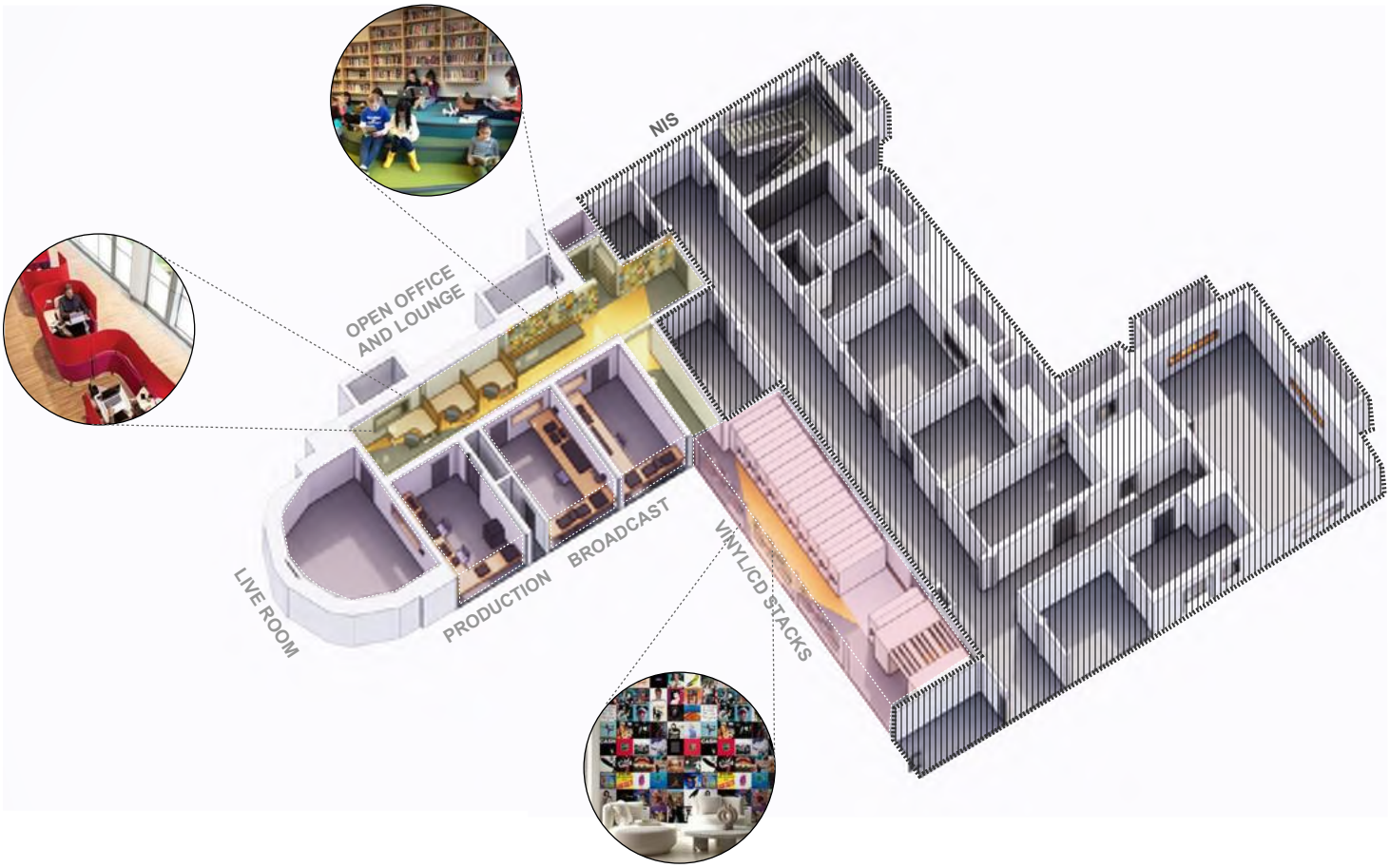
DESIGN INTENT:

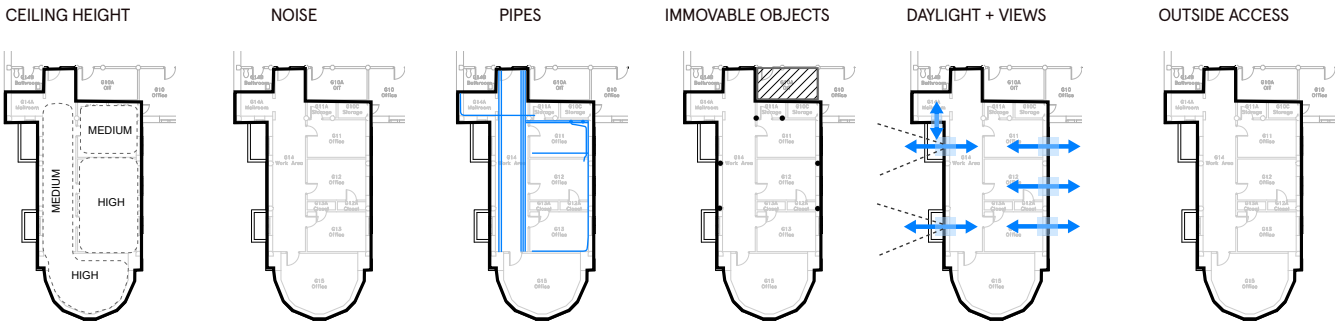
Both schemes focus on creating a central “heart” for the station—a flexible, expressive core space that defines WPRB’s identity. This space is designed as an active, public-facing hub for broadcasting, events, and community interaction. Interactive wall systems allow for the display of records, artwork, and station identity elements, reinforcing WPRB’s culture and presence.





SPATIAL DIAGRAM – SMALL OPTION

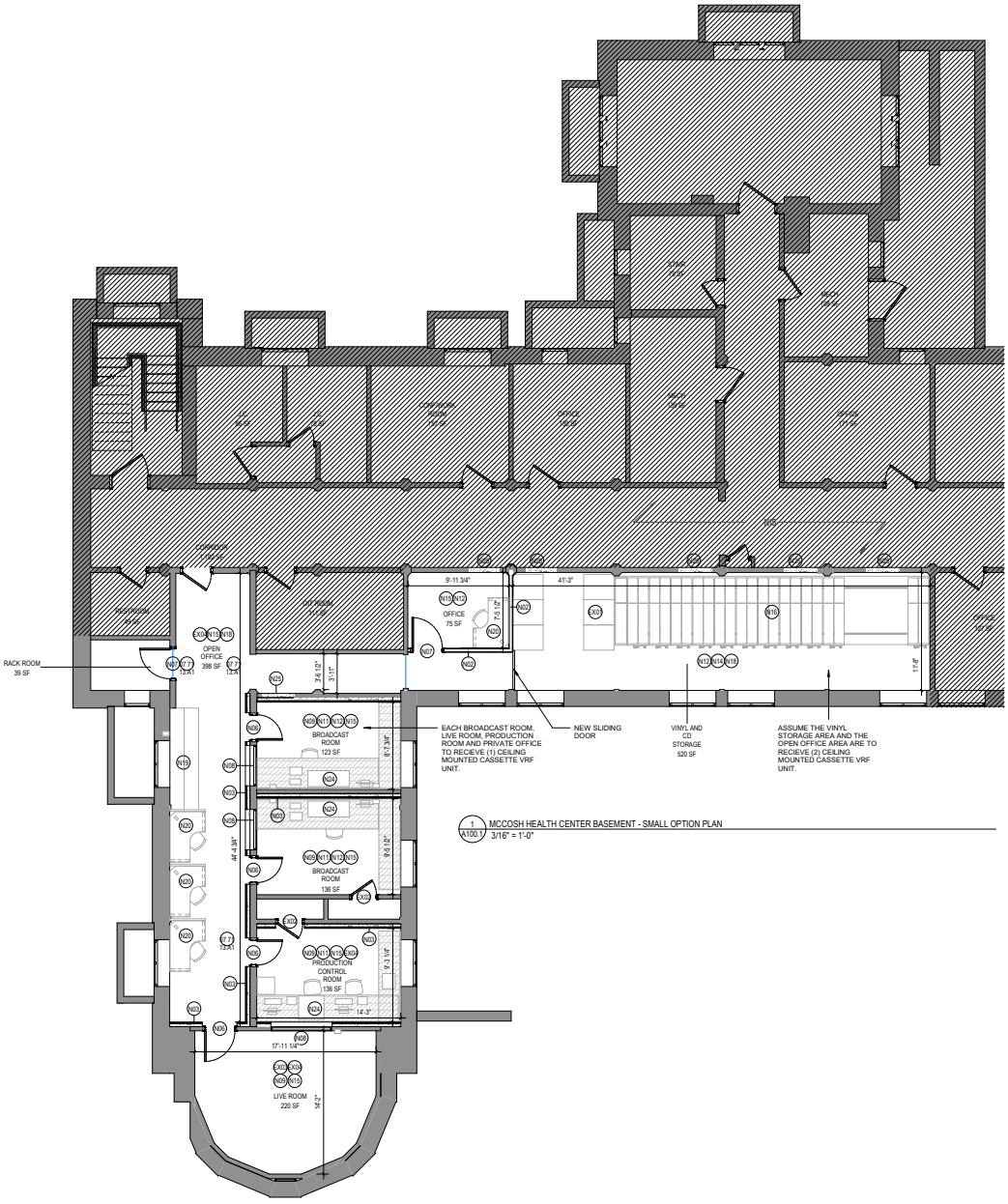




Key program zones and existing conditions were mapped to determine optimal placement of the central hub and to evaluate how each scheme could best support visibility, operational efficiency, and engagement with both campus and public audiences.

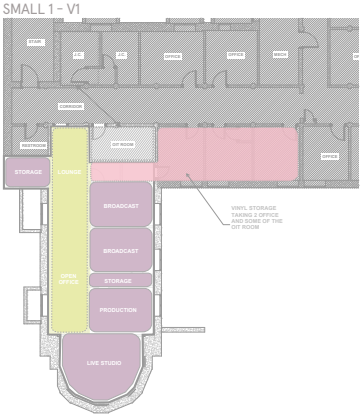




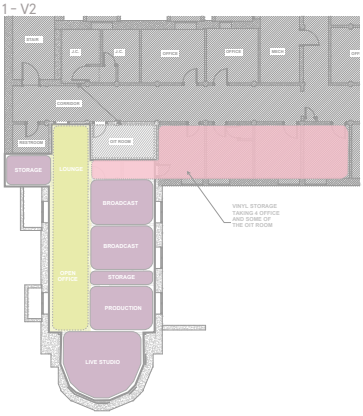


1 A100.1 MCCOSH HEALTH CENTER BASEMENT - SMALL OPTION PLAN
3/16" = 1'-0"

SMALL 1 - V1

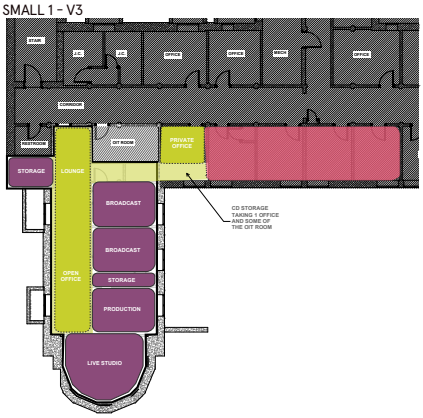


SMALL 1 - V2

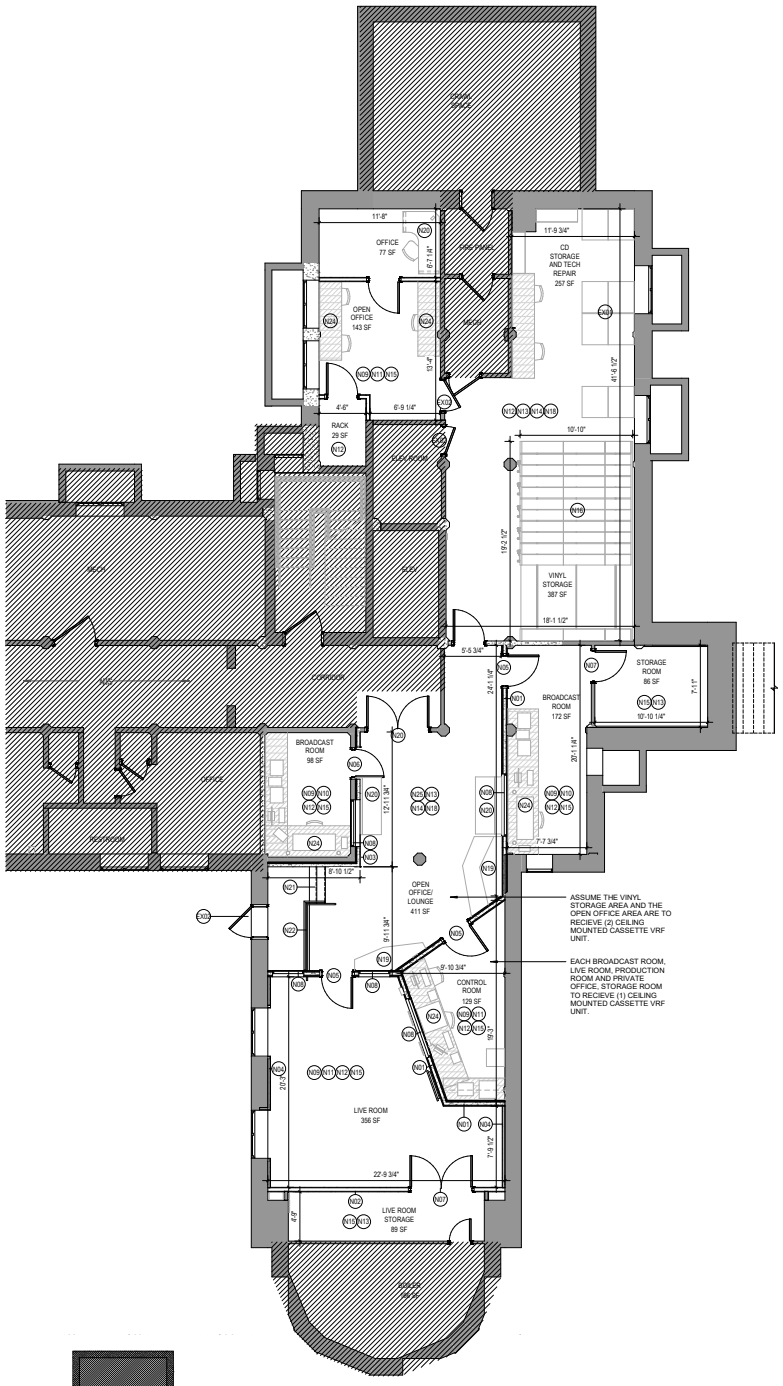


BASE SCHEME SELECTED

SMALL 1 - V3



SMALL OPTION



FLOOR PLAN LEGEND	
Key Value	Keynote Text
N01	FULL HEIGHT ACOUSTICAL PARTITION, AT LIVE ROOM, BROADCAST ROOMS, AND PRODUCTION ROOMS SEE PARTITION OPTION AND ADJACENCY STC RECOMMENDATIONS OUTLINED IN ACOUSTICAL NARRATIVE FOR STC AND PARTITION BOD
N02	FULL HEIGHT PARTITION, SEE ARCHITECTURAL REPORT
N03	ACOUSTICAL PARTITION BUILT IN FRONT OF EXISTING PARTITION
N04	FUR OUT EXISTING PARTITION WITH PTD. GWB
N05	ACOUSTICAL DOOR, SEE ACOUSTICAL REPORT FOR RECOMMENDATIONS
N06	ACOUSTICAL DOOR IN EXISTING OPENING; SEE ACOUSTICAL REPORT FOR RECOMMENDATIONS
N07	NEW DOOR
N08	ACOUSTICAL WDW; SEE ACOUSTICAL REPORT FOR RECOMMENDATIONS
N09	ACOUSTIC WALL PANEL; SEE ACOUSTICAL REPORT FOR RECOMMENDATIONS.
N10	DROP ACOUSTICAL CEILING TILE, SEE ARCHITECTURAL AND ACOUSTICAL REPORT
N11	ACOUSTICALLY ABSORPTIVE CEILING PANELS APPLIED TO DECK, SEE ACOUSTICAL REPORT FOR COVERAGE IN CONTROL ROOM AND LIVE ROOM
N12	NEW LED LIGHTING
N13	PTD DECK
N14	POLISHED CONCRETE FLOOR FINISH
N15	CARPET TILE FLOOR FINISH
N16	HIGH-DENSITY STORAGE SYSTEM; SEE ARCHITECTURAL NARRATIVE FOR BOD
N17	BUILT-IN STATIC SHELVING FOR VINYL STORAGE
N18	DISPLAY WALL BOARD/ TACK BOARD SURFACE WITH TRIM ASSUME 30% OF THE WALL SURFACE.
N19	BUILT-IN MILLWORK SEATING/ WORK AREA
N20	NEW FURNITURE
N21	NEW CONCRETE STAIR CONSTRUCTION
N22	NEW PTD MTL STAIR HANDRAIL
N23	NEW ENTRY DOORS W/ CARD READER ACCESS TO SUITE
N24	BUILT-IN COUNTER AND DESK FOR RADIO EQUIPMENT.
N25	INFILL OPENING TO MATCH ADJACENT CONSTRUCTION.

	EXISTING CONSTRUCTION TO REMAIN
	PROPOSED CONSTRUCTION
	EXISTING BUILDING
	FIXED MILLWORK
	FURNITURE
N##	NEW WORK KEY NOTE

GENERAL NOTES

1. PROVIDE BLOCKING WITHIN PARTITIONS AS REQ FOR WALL MOUNTED ITEMS.
2. WALLS NOT CALLED OT TO BE FURRED OUT, WILL RECIEVE A NEW PAINTED FINISH.
3. ALL EXISTING WALLS, COLUMNS, DOOR FRAMES EXPOSED DECK TO REMAIN SHALL BE PTD.
4. ASSUME ALL WALLS ARE TO RECIEVE NEW WALL BASE.

DESIGN INTENT:

Radiating from this core are the programmatic components—administrative offices, record archives, and broadcast studios—organized in a spoke-like configuration to maintain visual and functional connection to the central space.



MEDIUM OPTION



LARGE OPTION