

# PSU SCHOOL OF ART + DESIGN

DESIGN REVIEW  
TYPE III APPLICATION  
1914 SW PARK AVE  
AUGUST 18, 2023

LEVER ARCHITECTURE

# DRAWINGS & SUPPORTING INFORMATION





# PSU SCHOOL OF ART + DESIGN

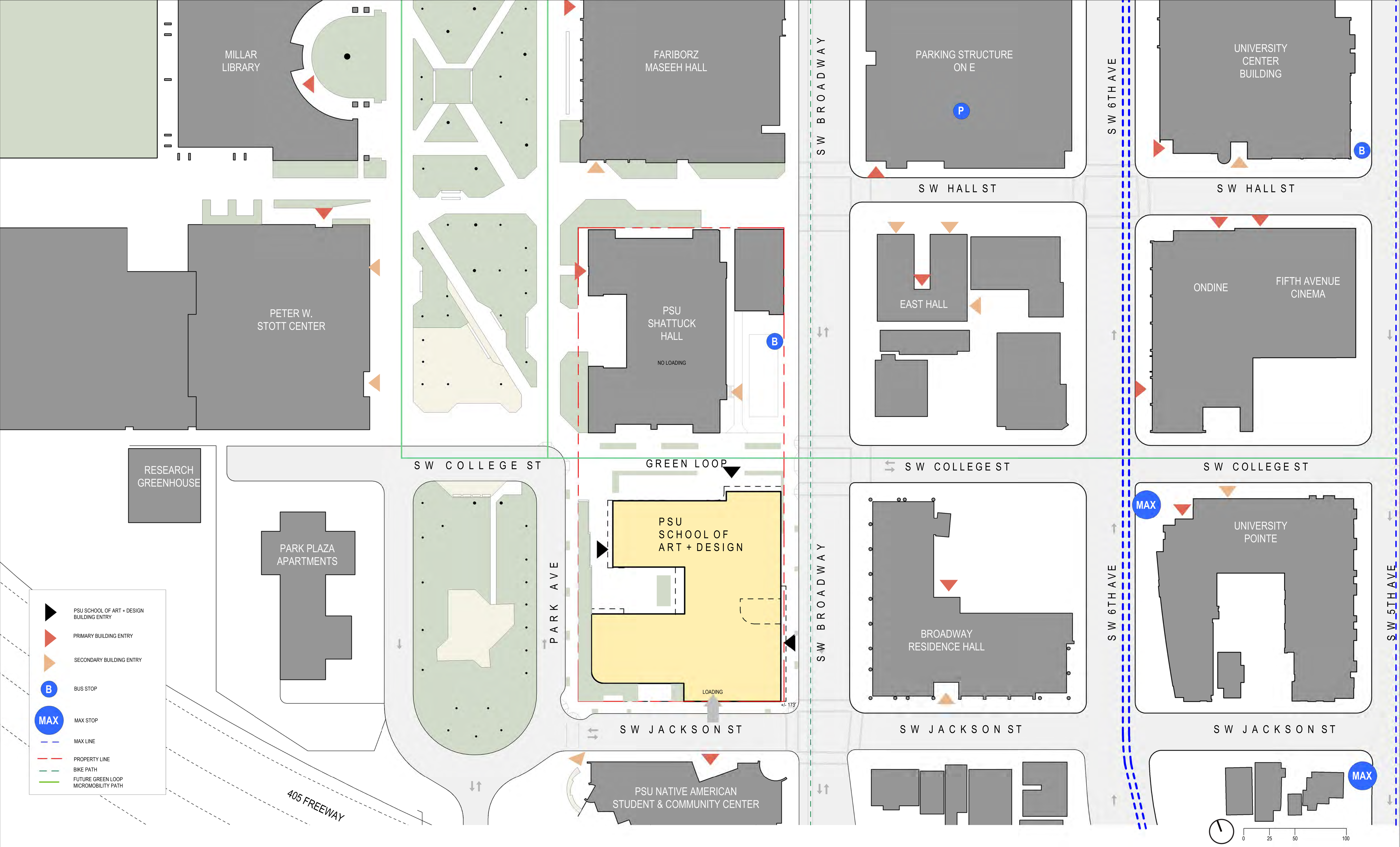
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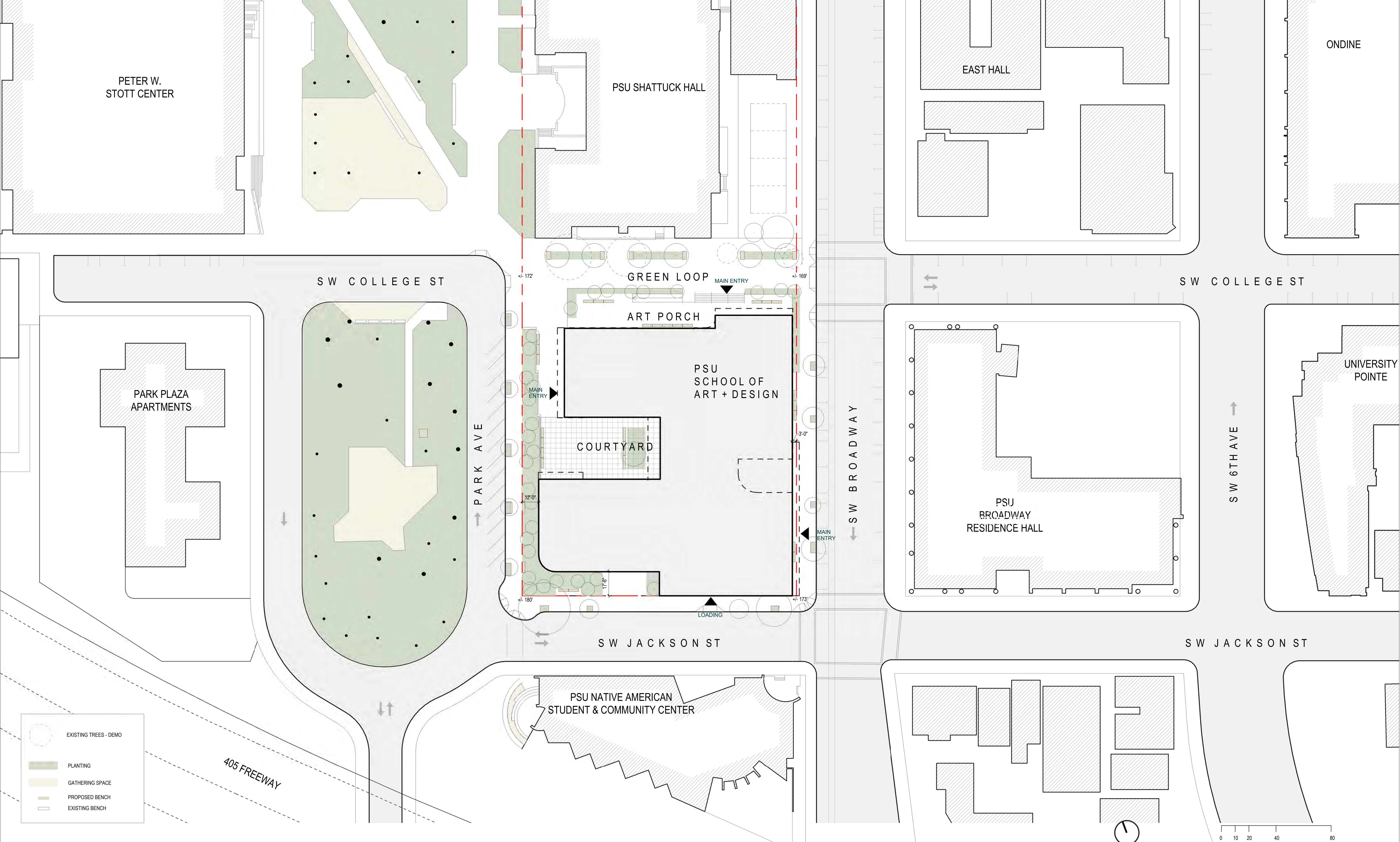
# DRAWINGS & SUPPORTING INFORMATION

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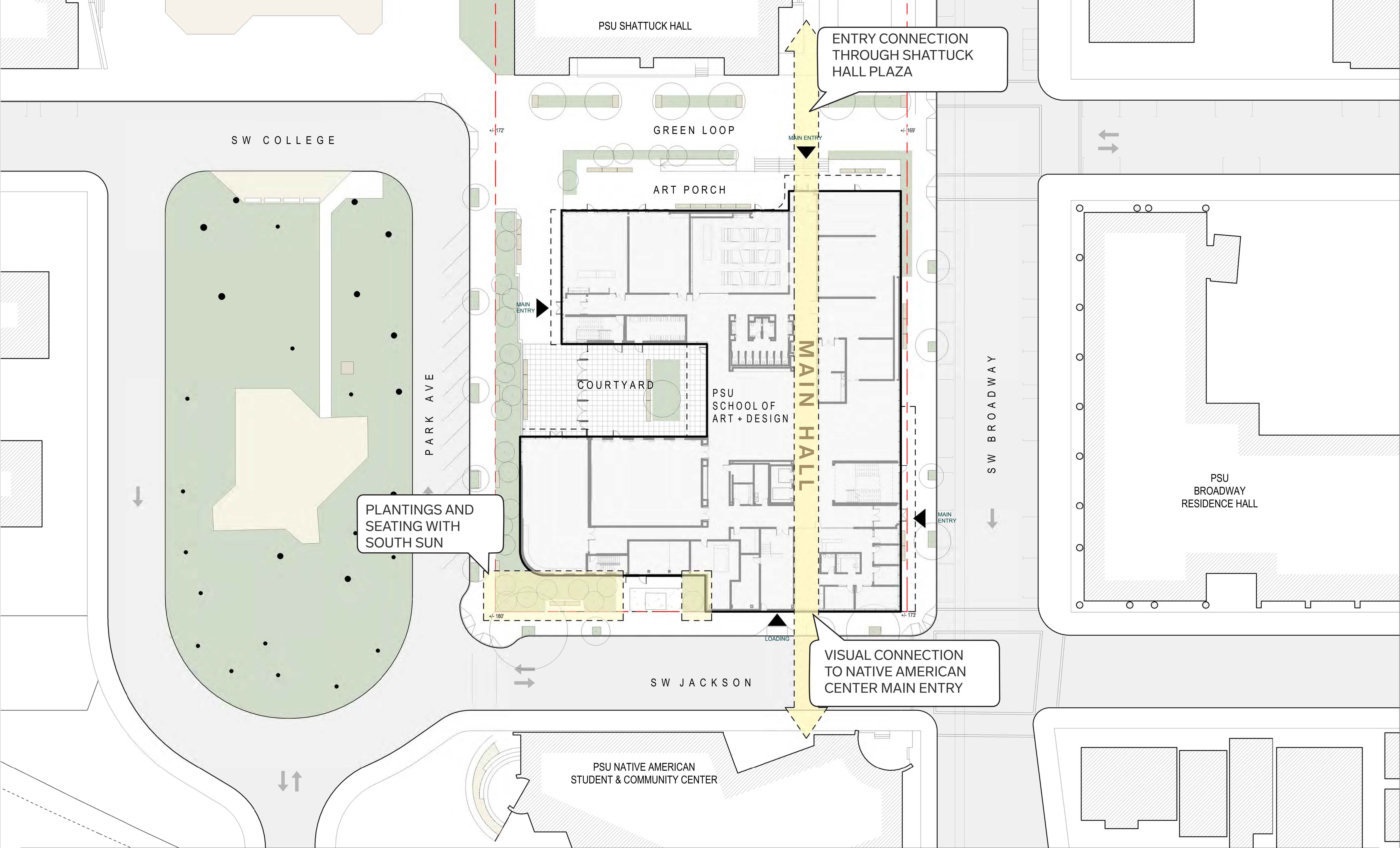












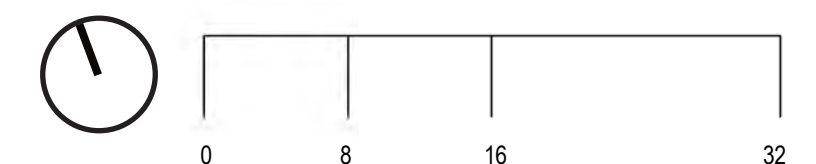


- CLASSROOMS AND STUDIOS
- GALLERY
- OFFICES
- TRANSPARENT CENTRAL SPACE
- BUILDING SUPPORT
- CIRCULATION





- CLASSROOMS AND STUDIOS
- GALLERY
- OFFICES
- TRANSPARENT CENTRAL SPACE
- BUILDING SUPPORT
- CIRCULATION & COMMON SPACE



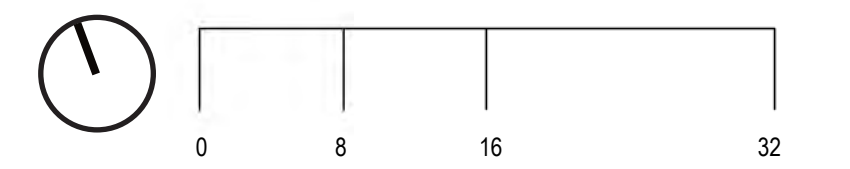


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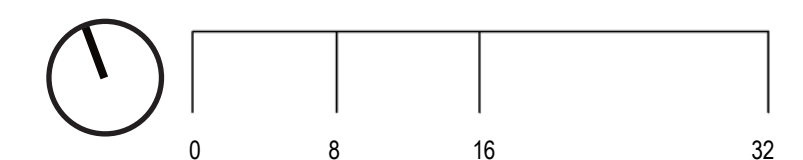
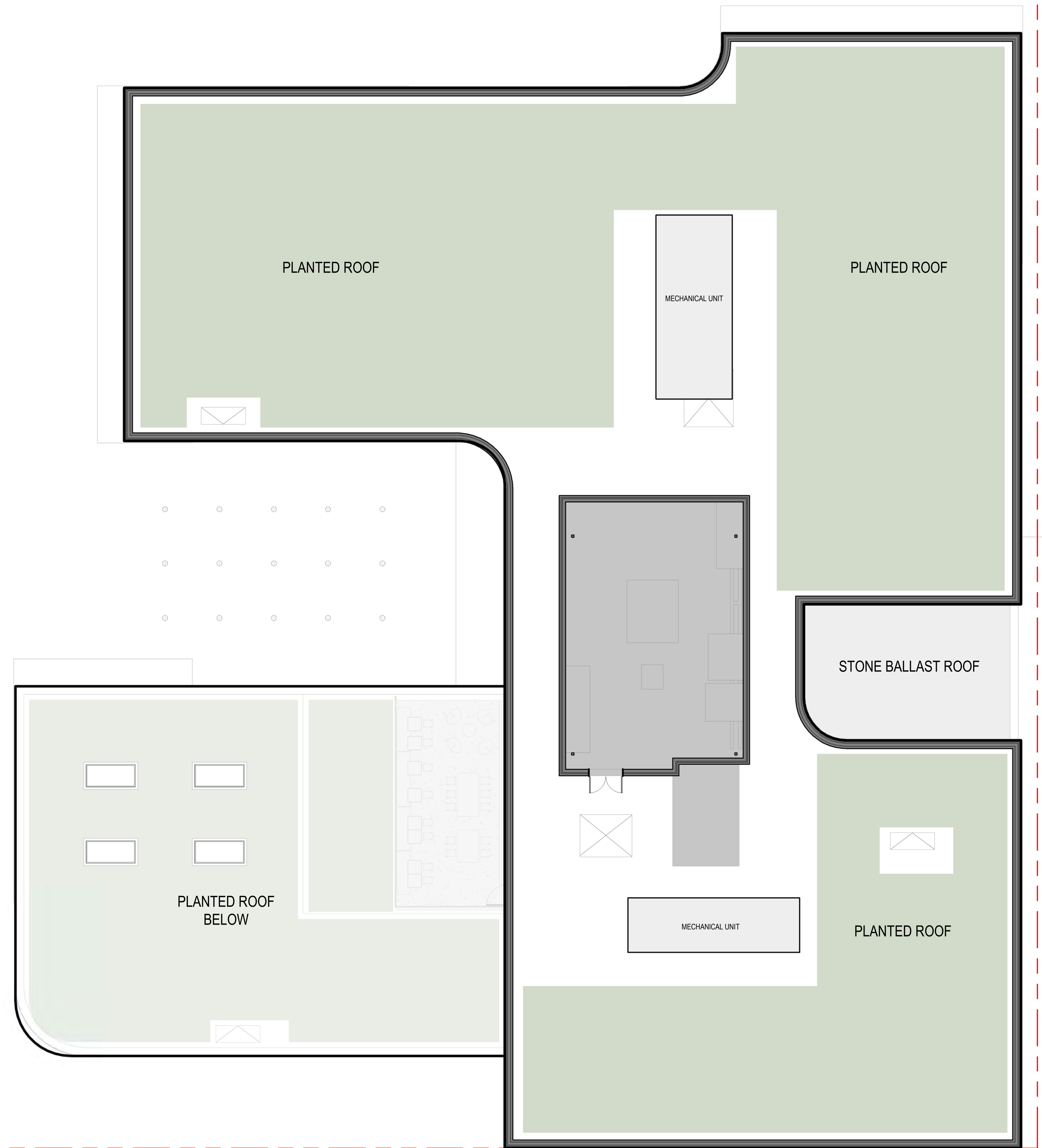




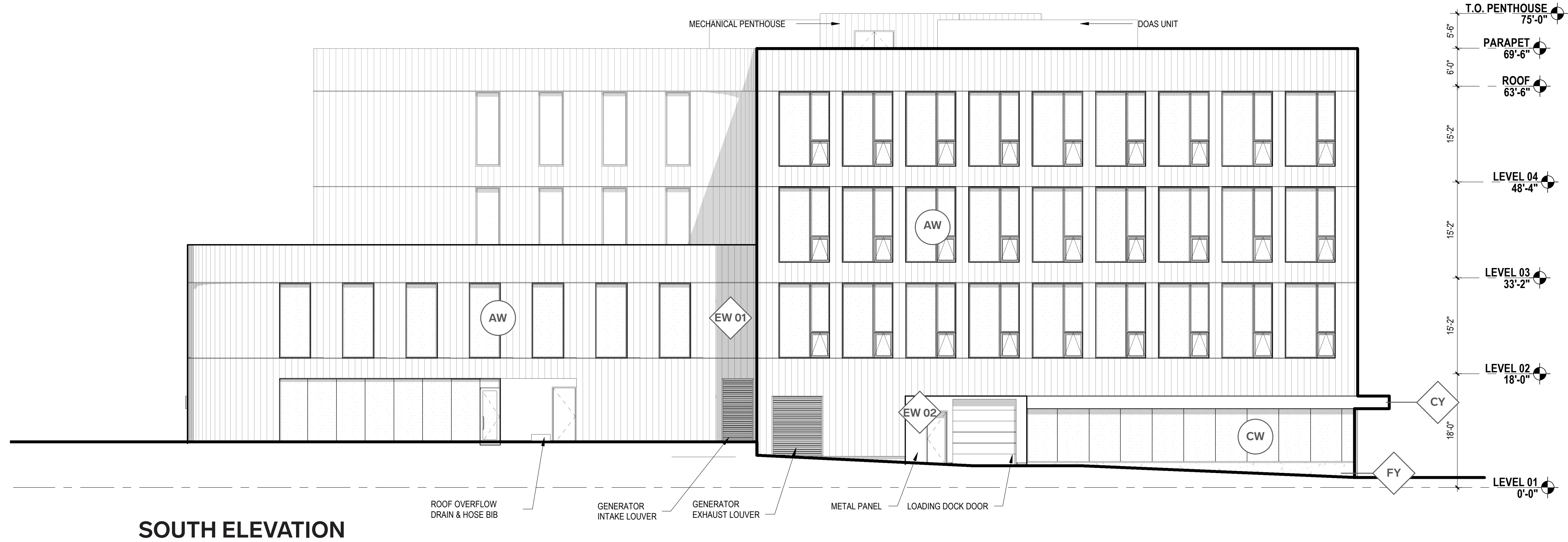
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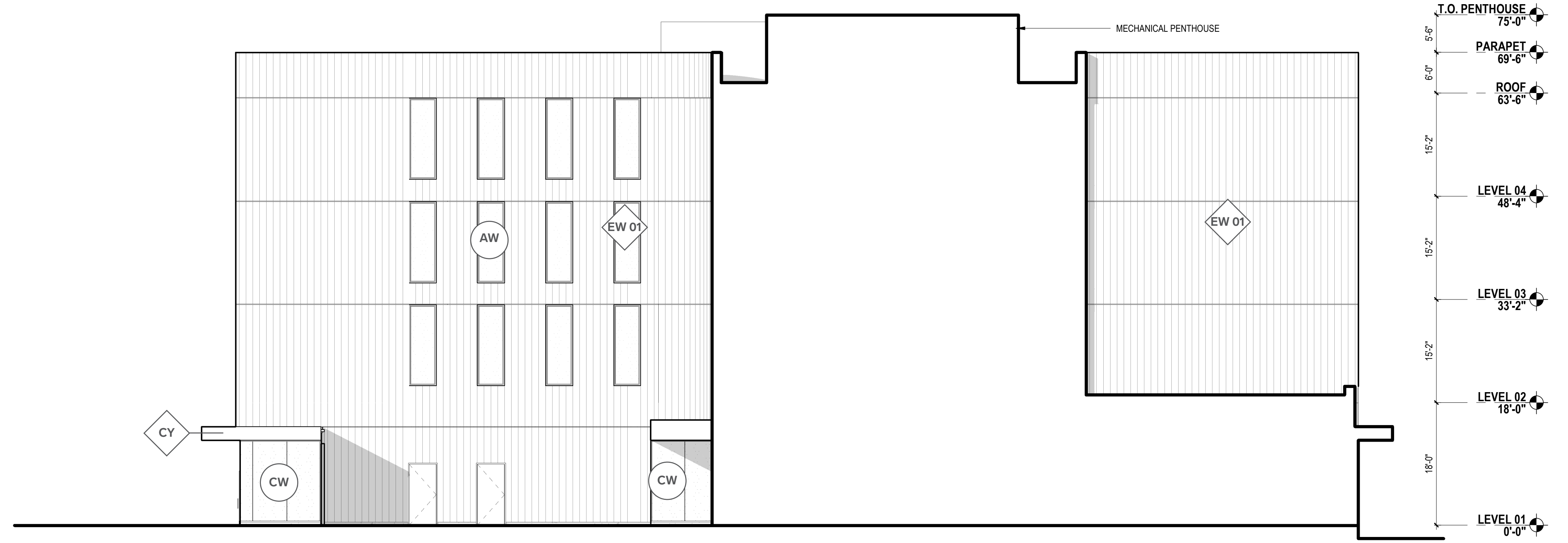






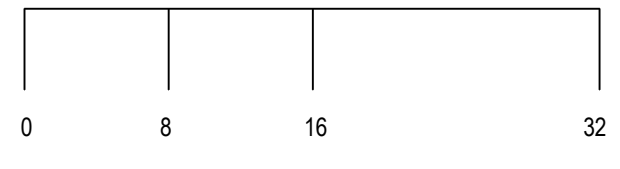


**SOUTH ELEVATION**

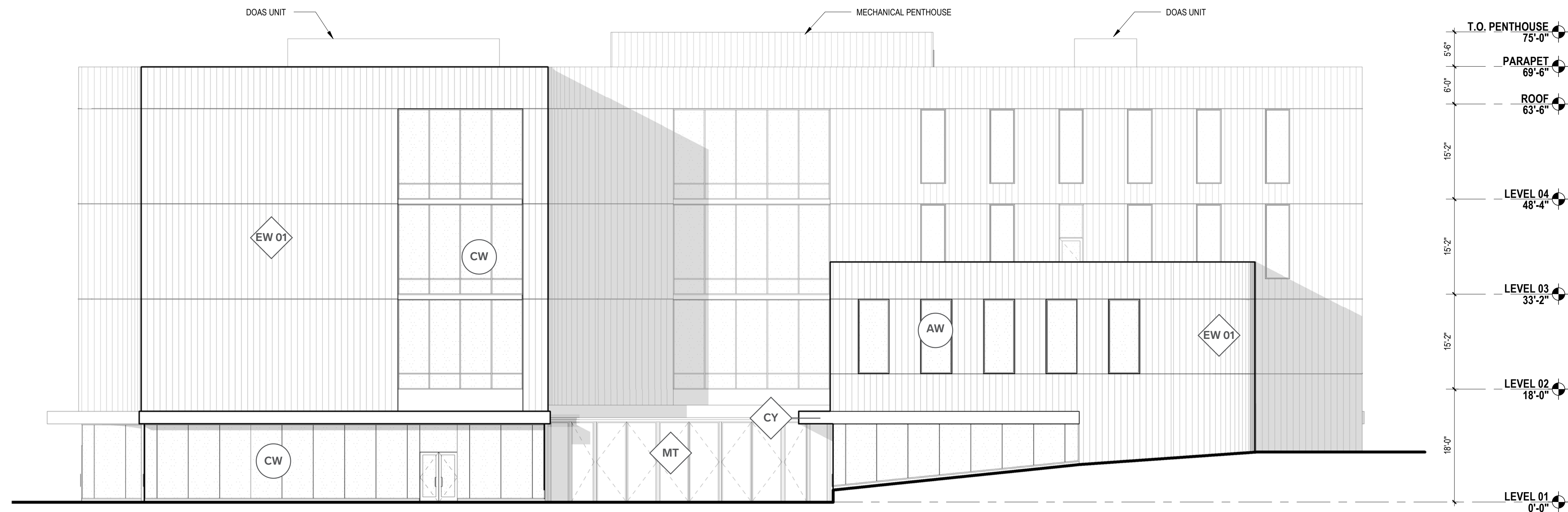


**SOUTH COURTYARD ELEVATION**

-  EW 01 PROFILED METAL PANEL ON METAL STUD
-  EW 02 FLAT METAL PANEL ON METAL STUD
-  CW ALUMINUM WINDOW FRAME - CURTAINWALL
-  AW ALUMINUM WINDOW
-  CY PAINTED STEEL CANOPY W/ PLASTER SOFFIT & TPO ROOF
-  FY CONCRETE FOUNDATION WALL
-  MT PAINTED METAL GATE

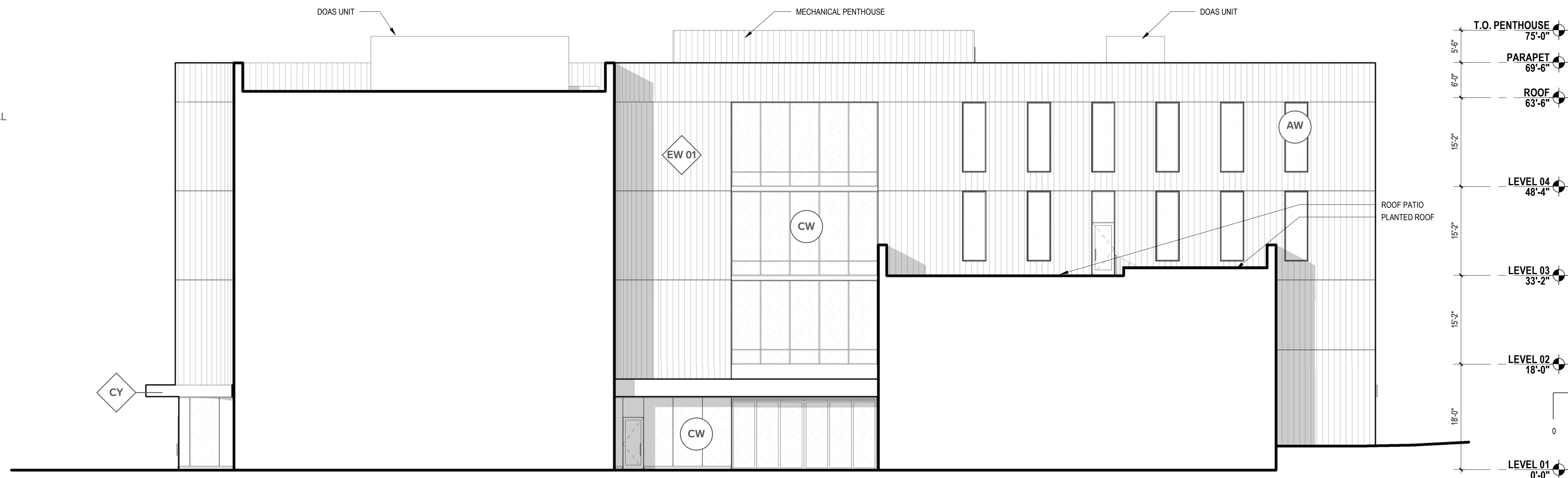






**WEST ELEVATION**

-  **EW 01** PROFILED METAL PANEL ON METAL STUD
-  **EW 02** FLAT METAL PANEL ON METAL STUD
-  **CW** ALUMINUM WINDOW FRAME - CURTAINWALL
-  **AW** ALUMINUM WINDOW
-  **CY** PAINTED STEEL CANOPY W/ PLASTER SOFFIT & TPO ROOF
-  **FY** CONCRETE FOUNDATION WALL
-  **MT** PAINTED METAL GATE



**WEST COURTYARD ELEVATION**





EW 01 PROFILED METAL PANEL ON METAL STUD



EW 02 FLAT METAL PANEL ON METAL STUD



CW ALUMINUM WINDOW FRAME - CURTAINWALL

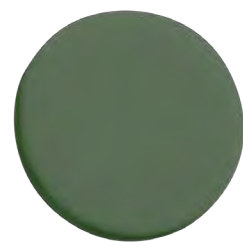
AW ALUMINUM WINDOW



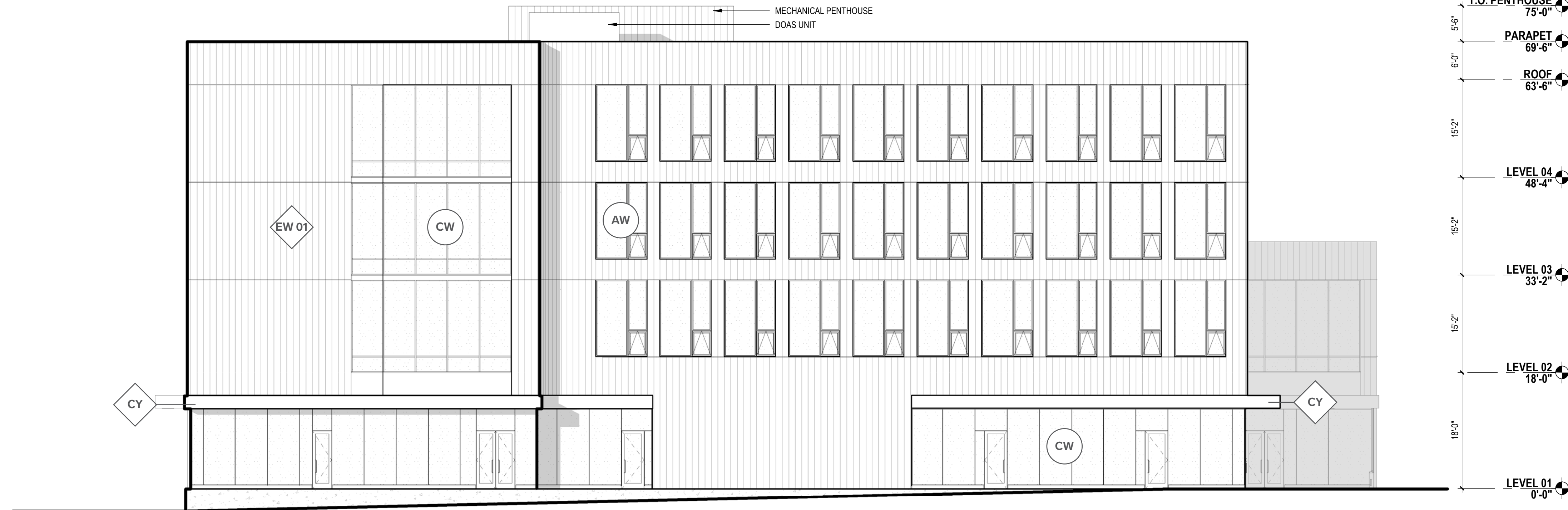
CY PAINTED STEEL CANOPY W/ PLASTER SOFFIT & TPO ROOF



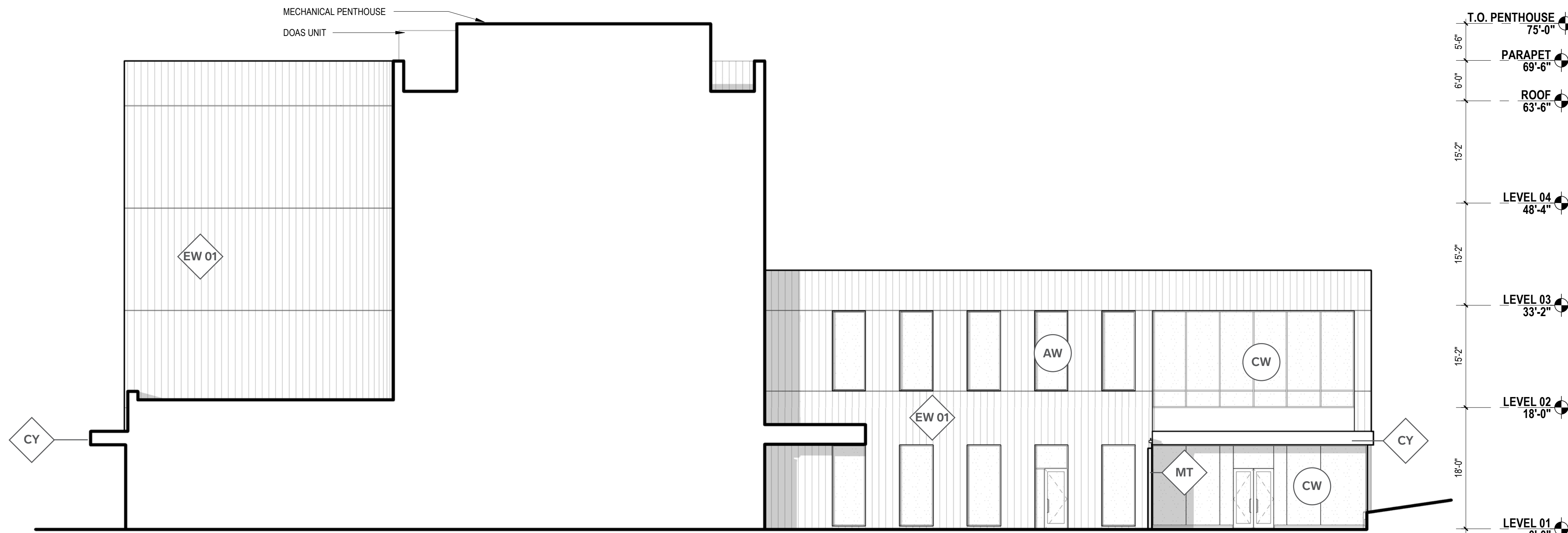
FY CONCRETE FOUNDATION WALL



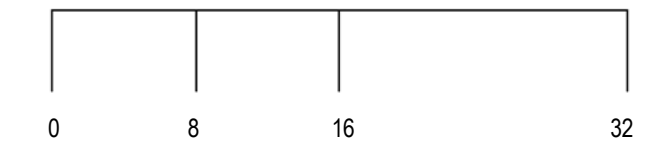
MT PAINTED METAL GATE



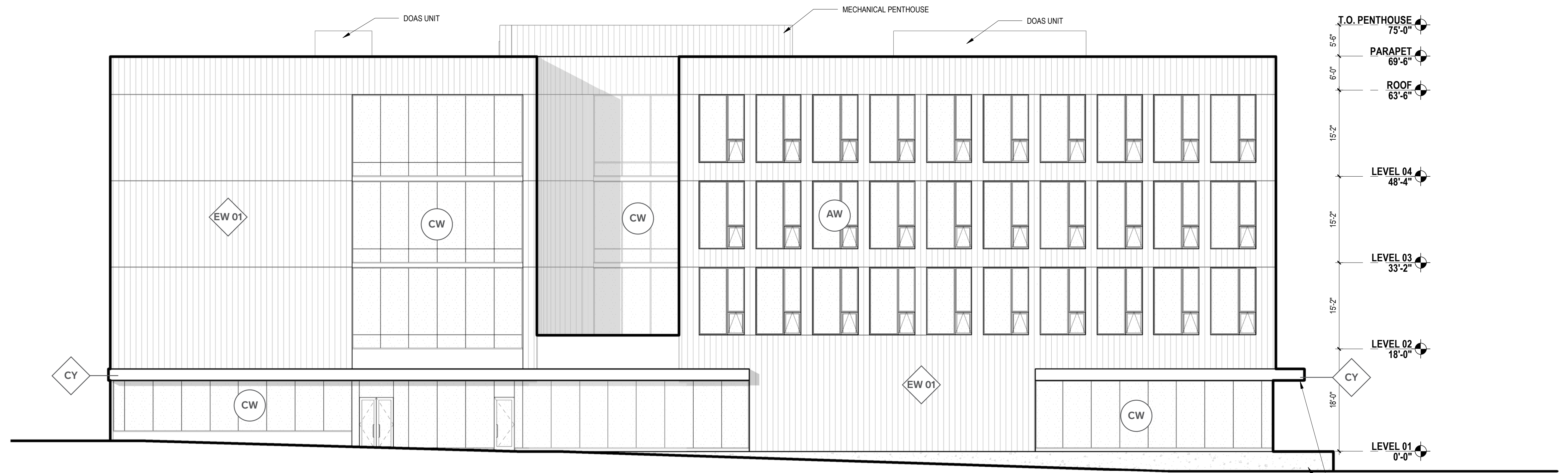
NORTH ELEVATION



NORTH COURTYARD ELEVATION

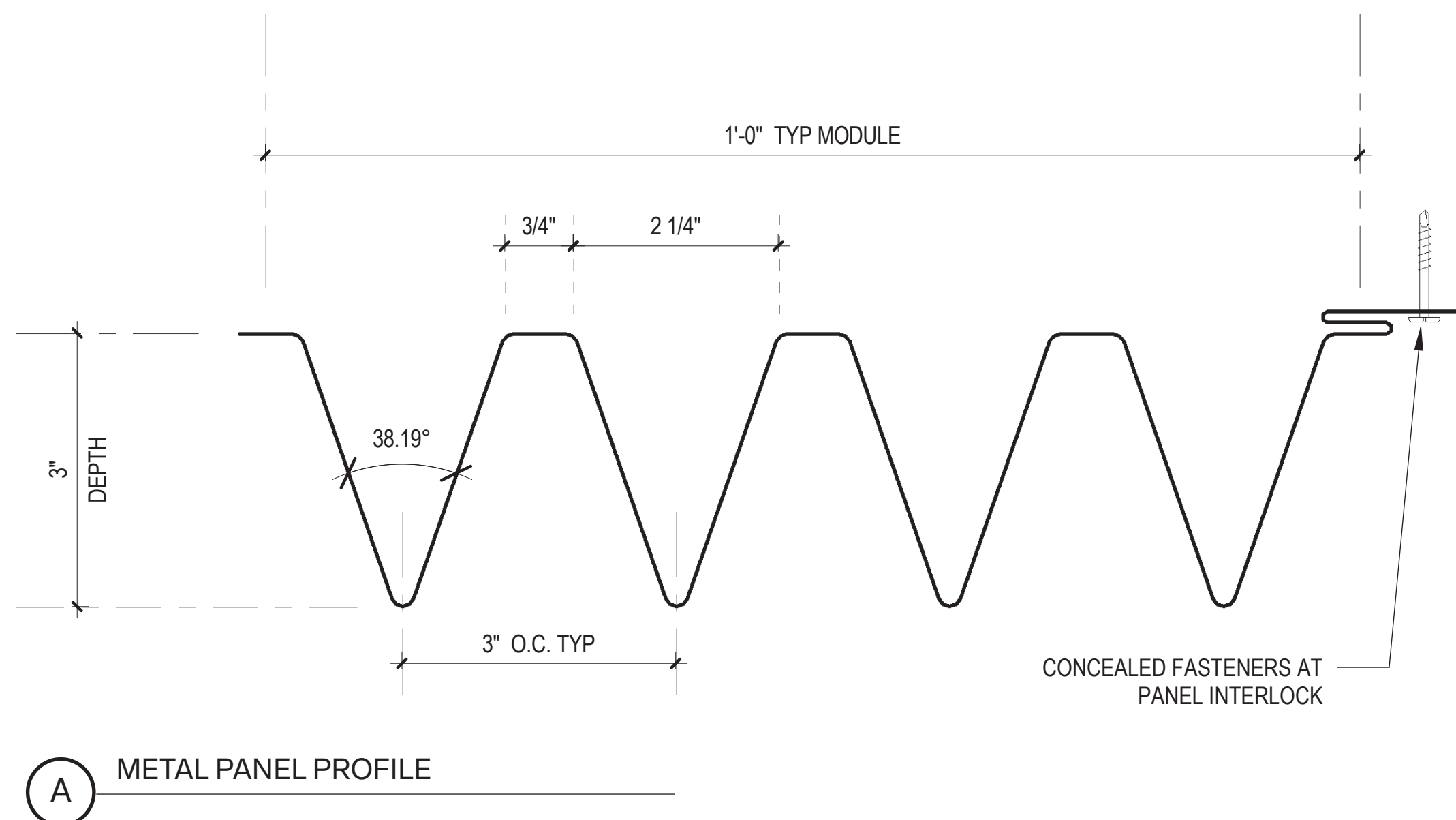




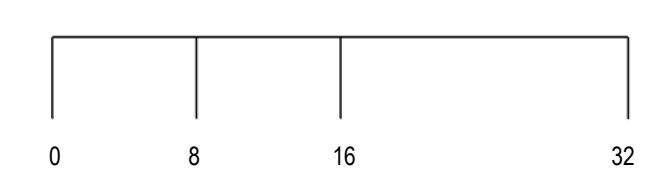
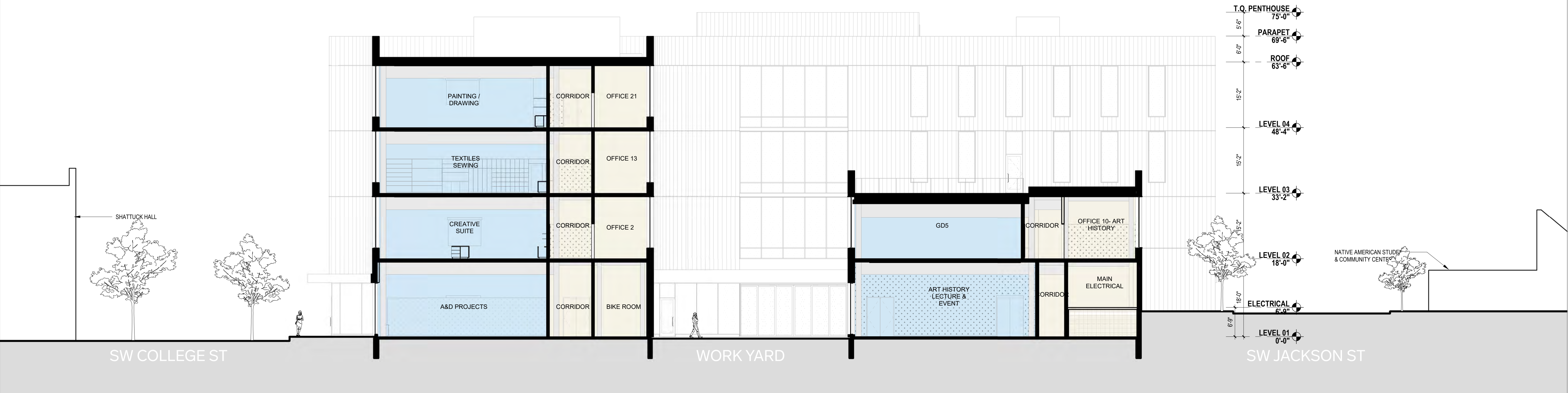


**EAST ELEVATION**

-  **A**
-  **EW 01** PROFILED METAL PANEL ON METAL STUD
-  **EW 02** FLAT METAL PANEL ON METAL STUD
-  **CW** ALUMINUM WINDOW FRAME - CURTAINWALL
-  **AW** ALUMINUM WINDOW
-  **CY** PAINTED STEEL CANOPY W/ PLASTER SOFFIT & TPO ROOF
-  **FY** CONCRETE FOUNDATION WALL
-  **MT** PAINTED METAL GATE

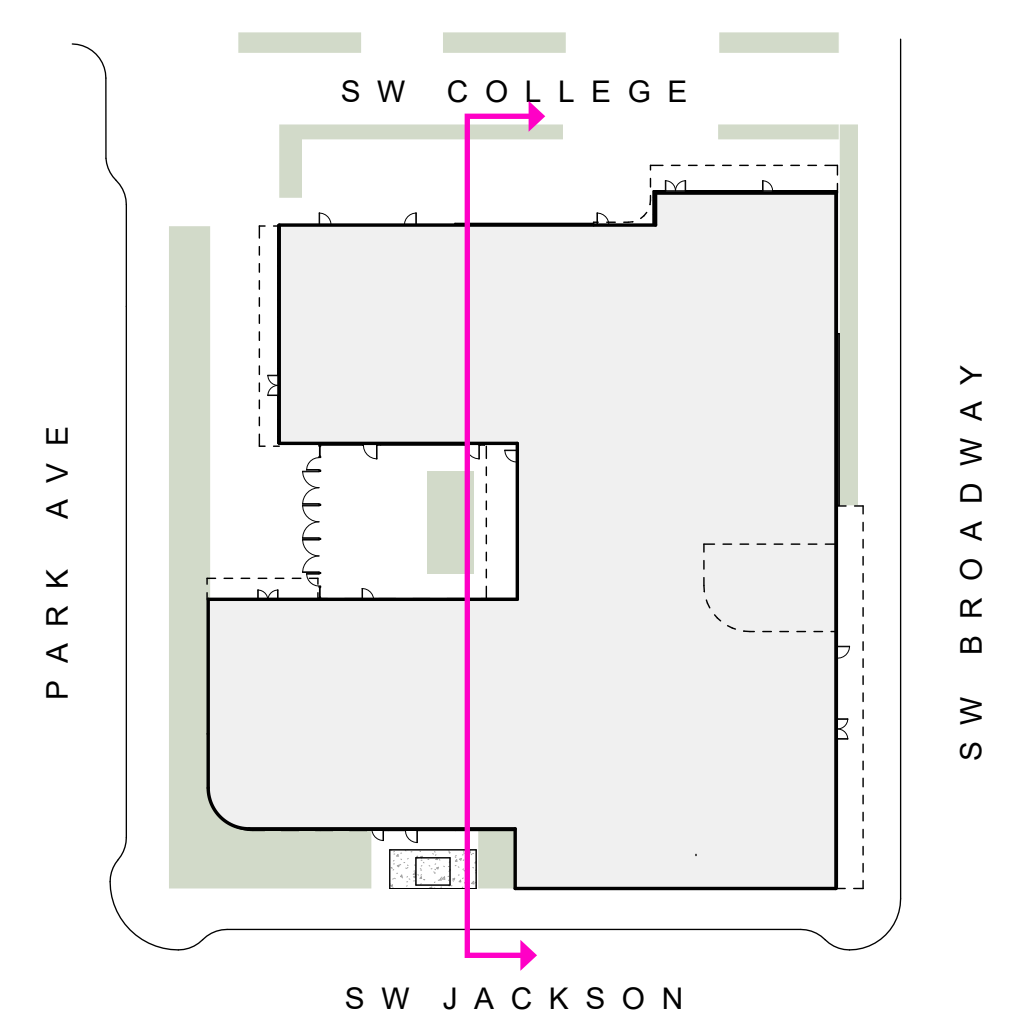




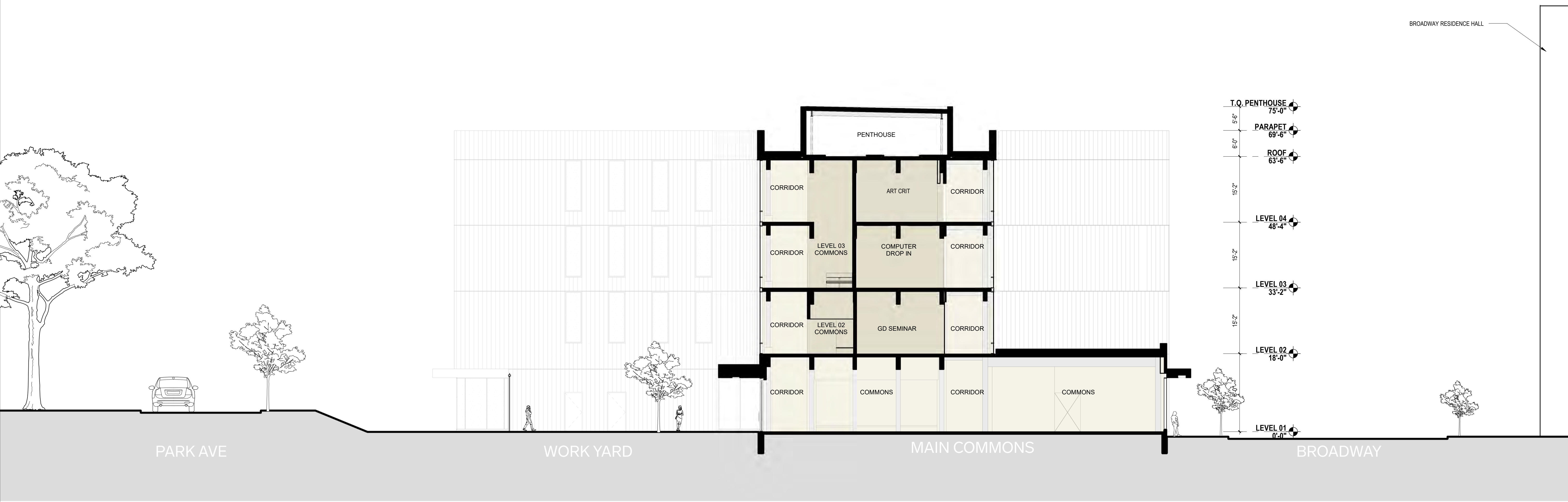


**NORTH SOUTH SECTION**

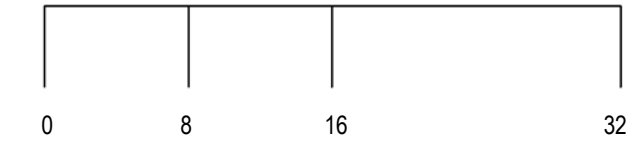
- CLASSROOMS AND STUDIOS
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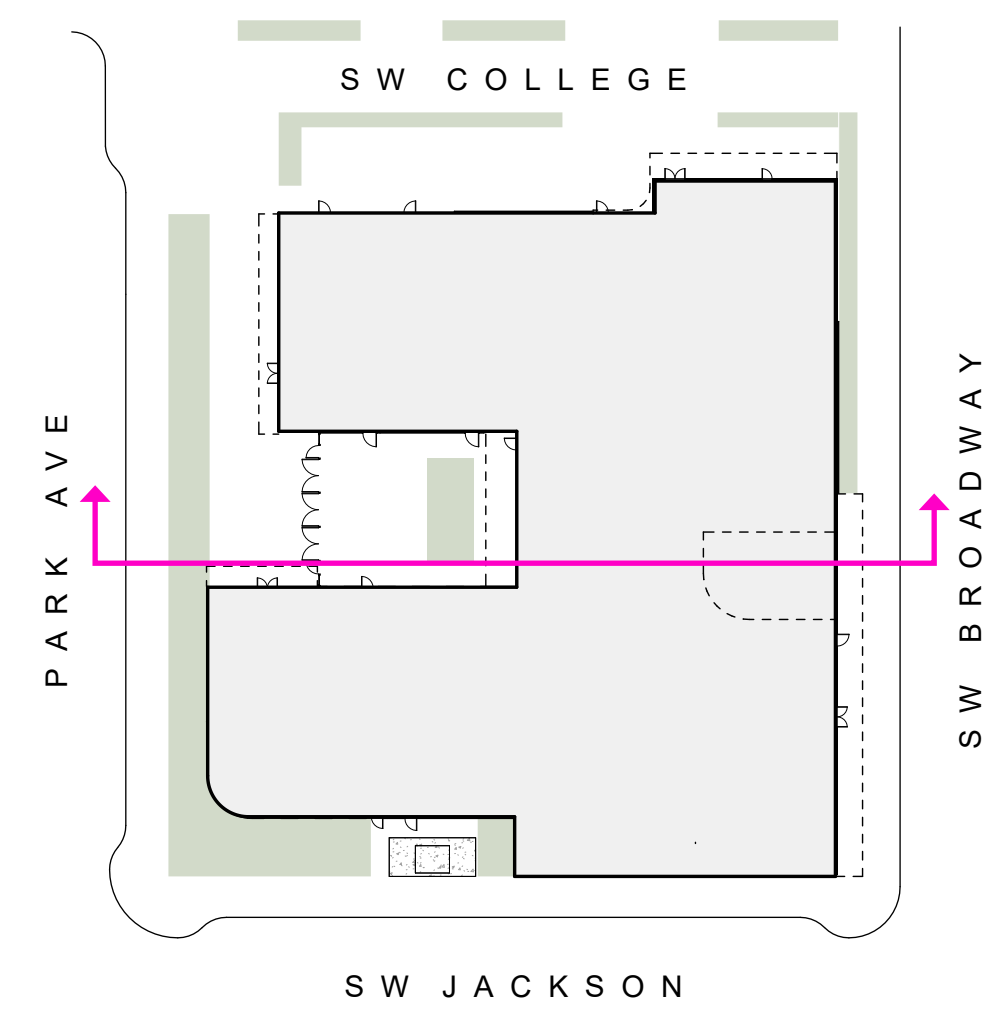




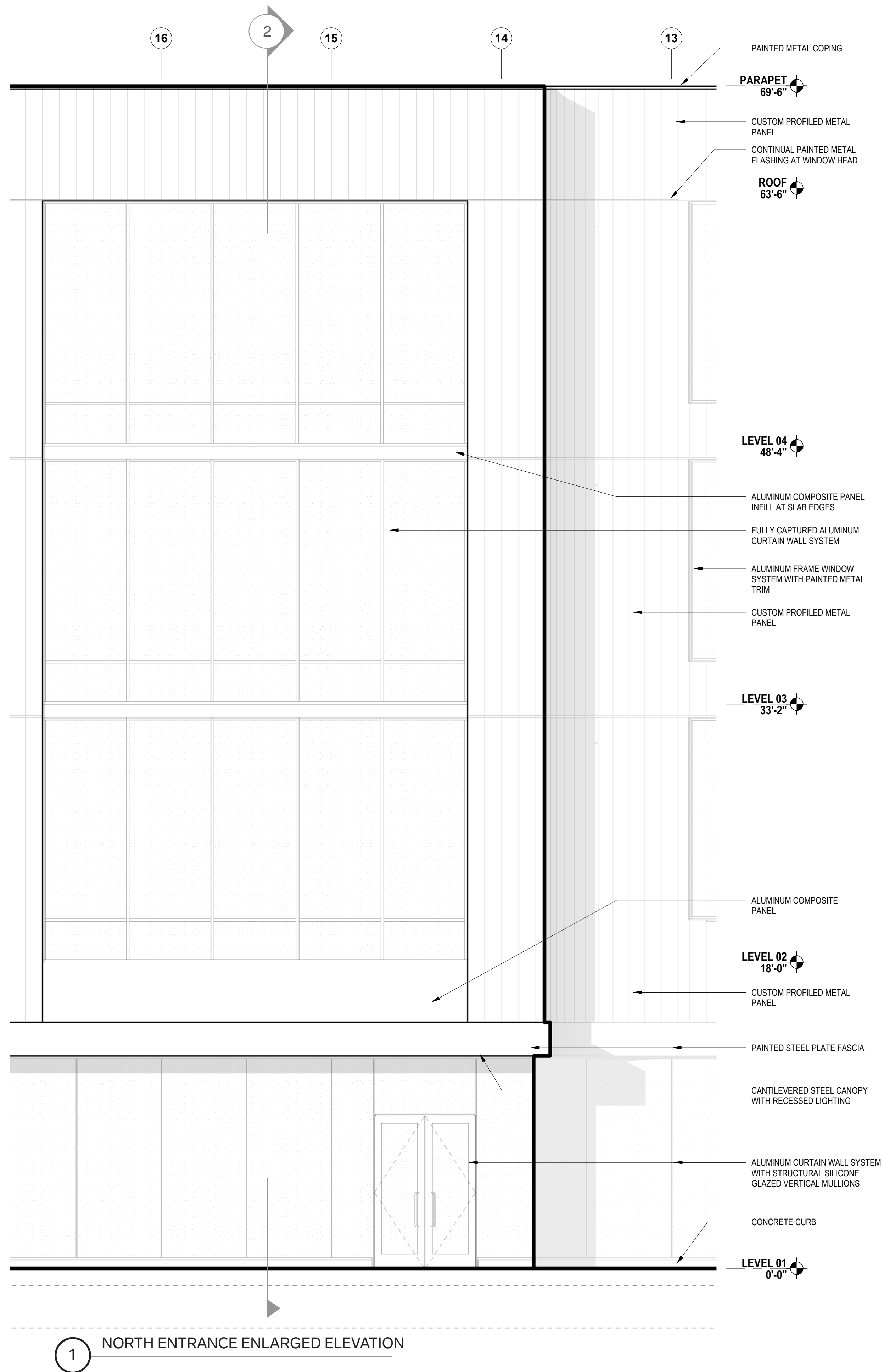
**WEST EAST SECTION**



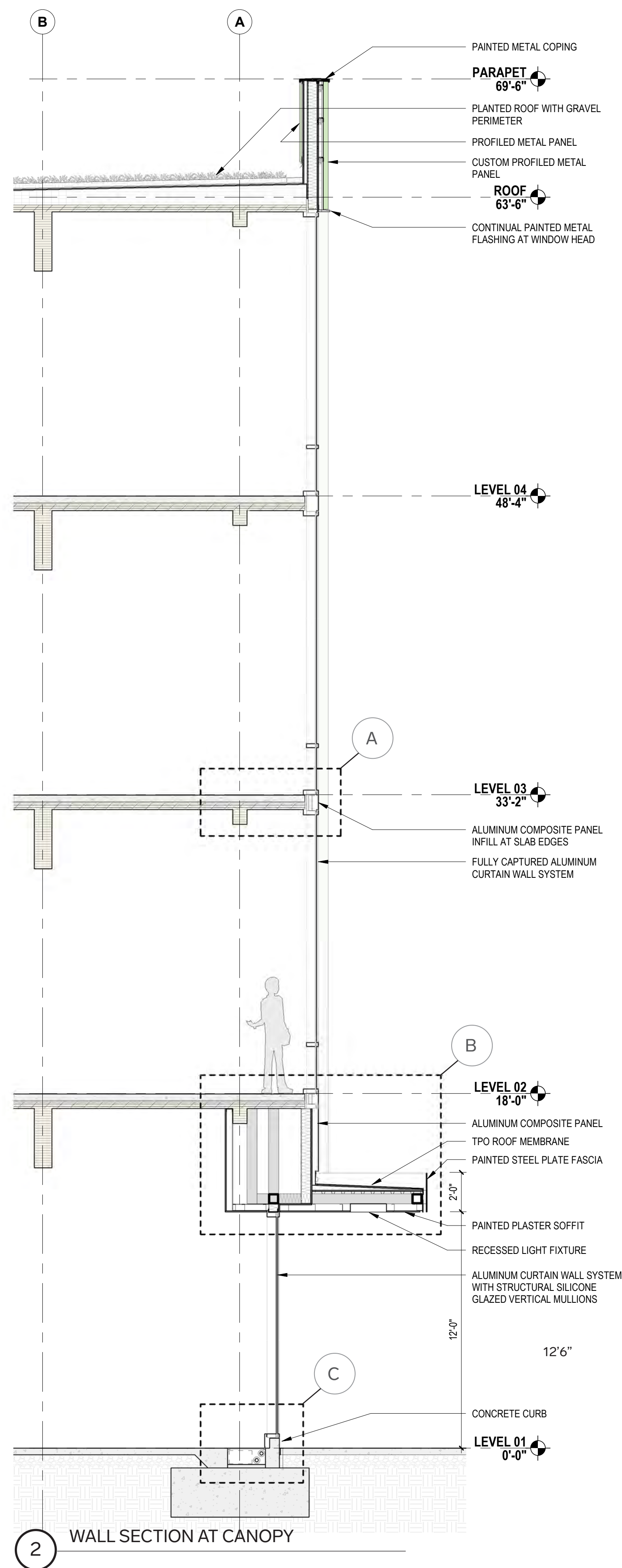
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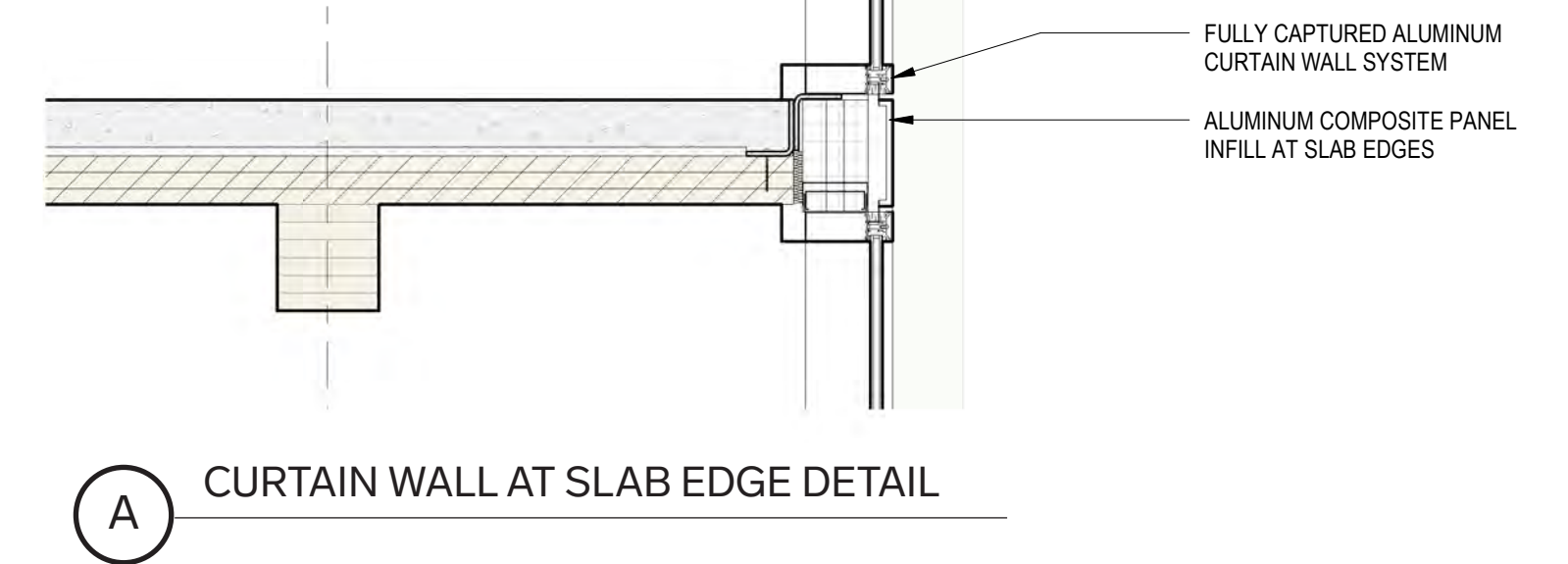




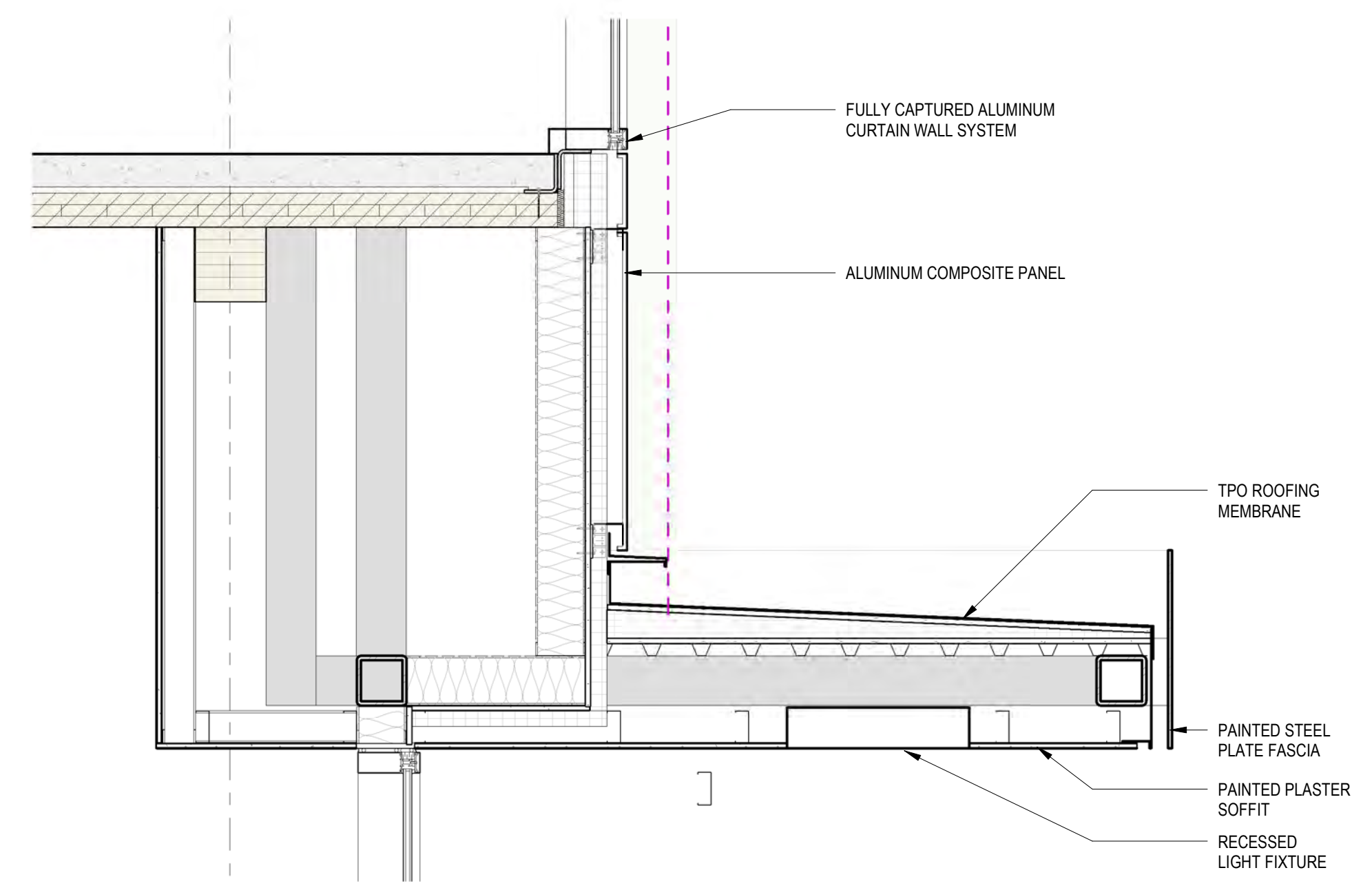
1 NORTH ENTRANCE ENLARGED ELEVATION



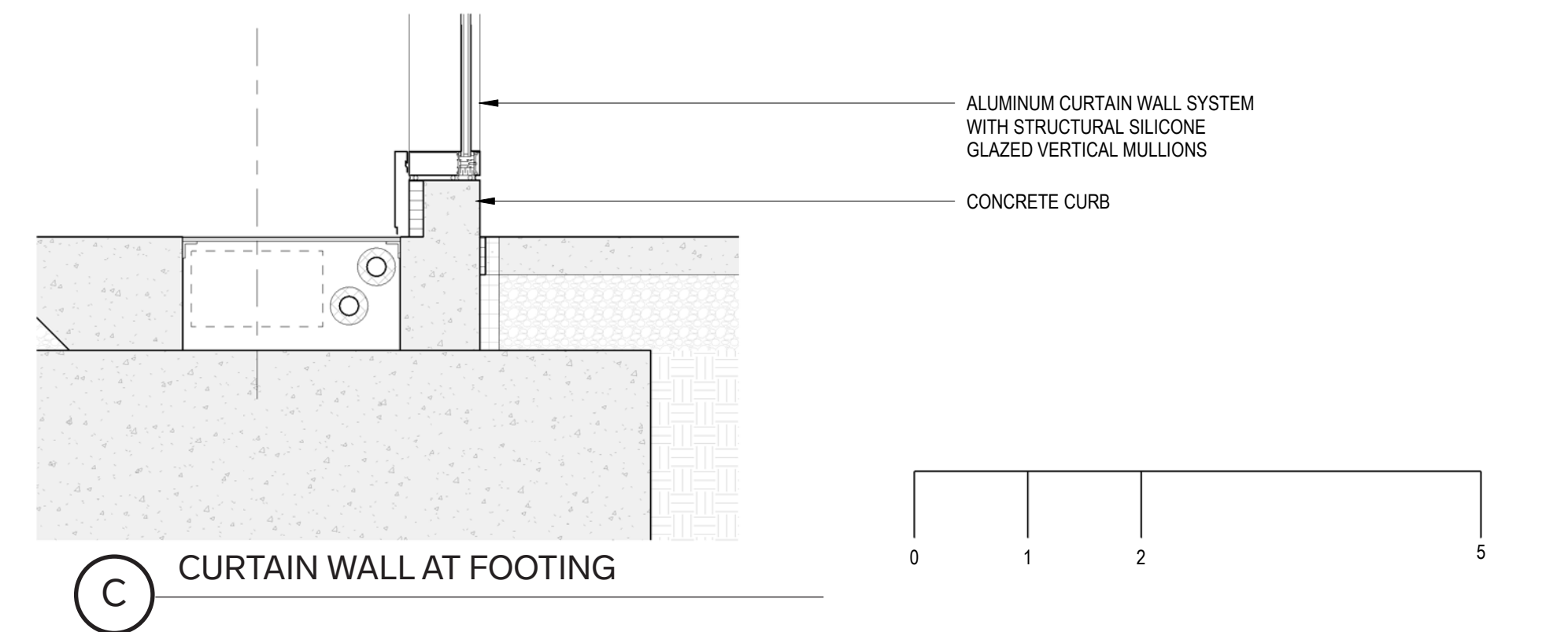
2 WALL SECTION AT CANOPY



A CURTAIN WALL AT SLAB EDGE DETAIL



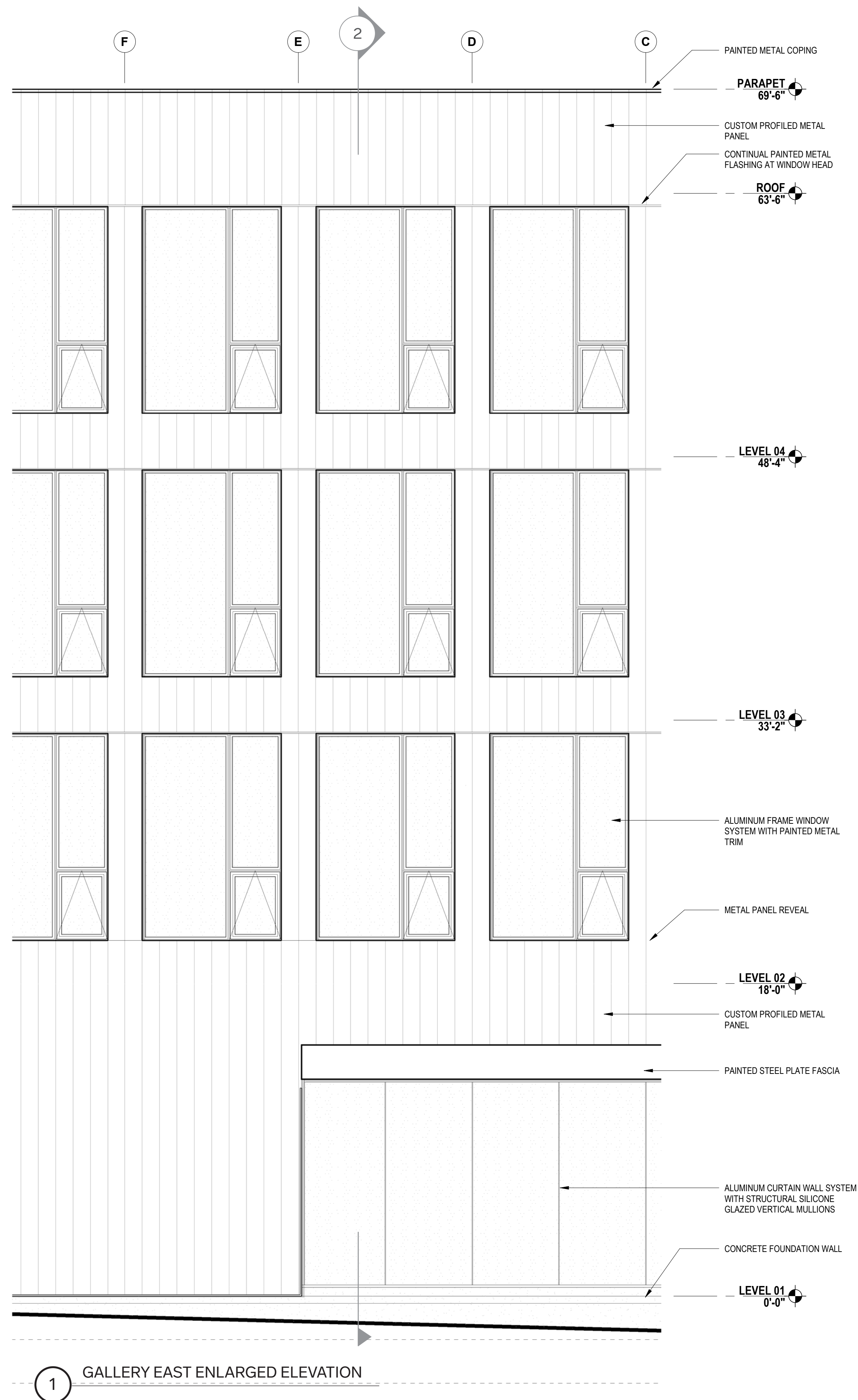
B CANOPY DETAIL



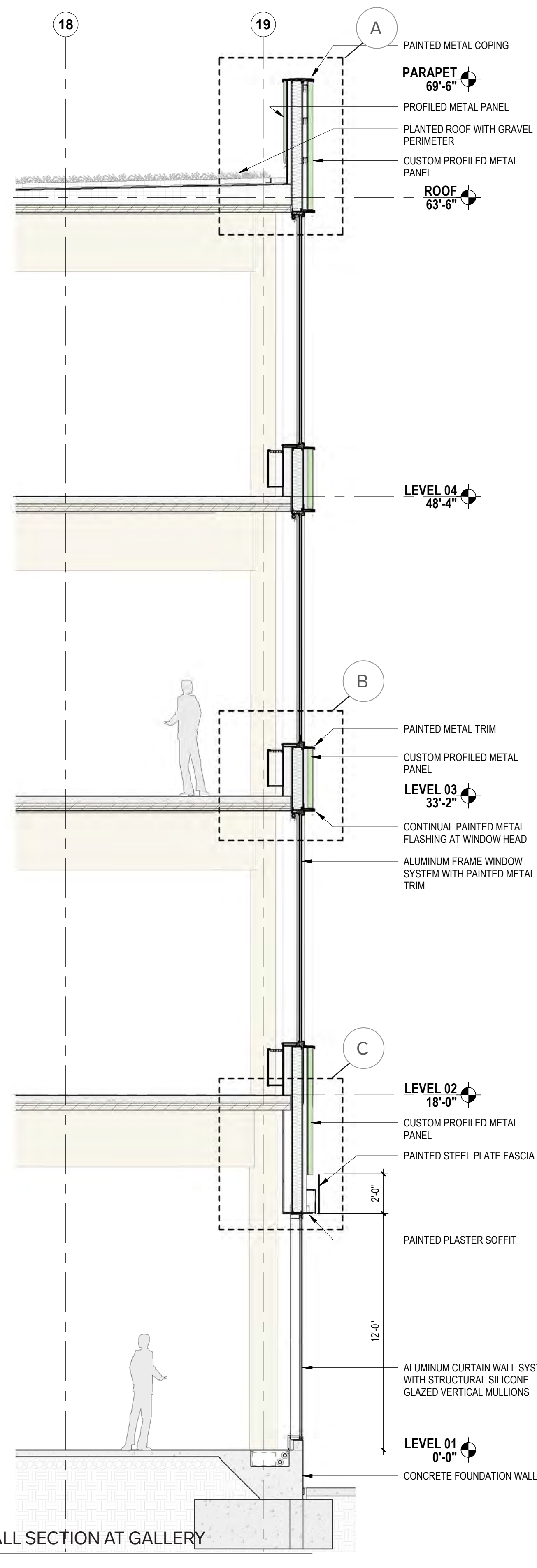
C CURTAIN WALL AT FOOTING



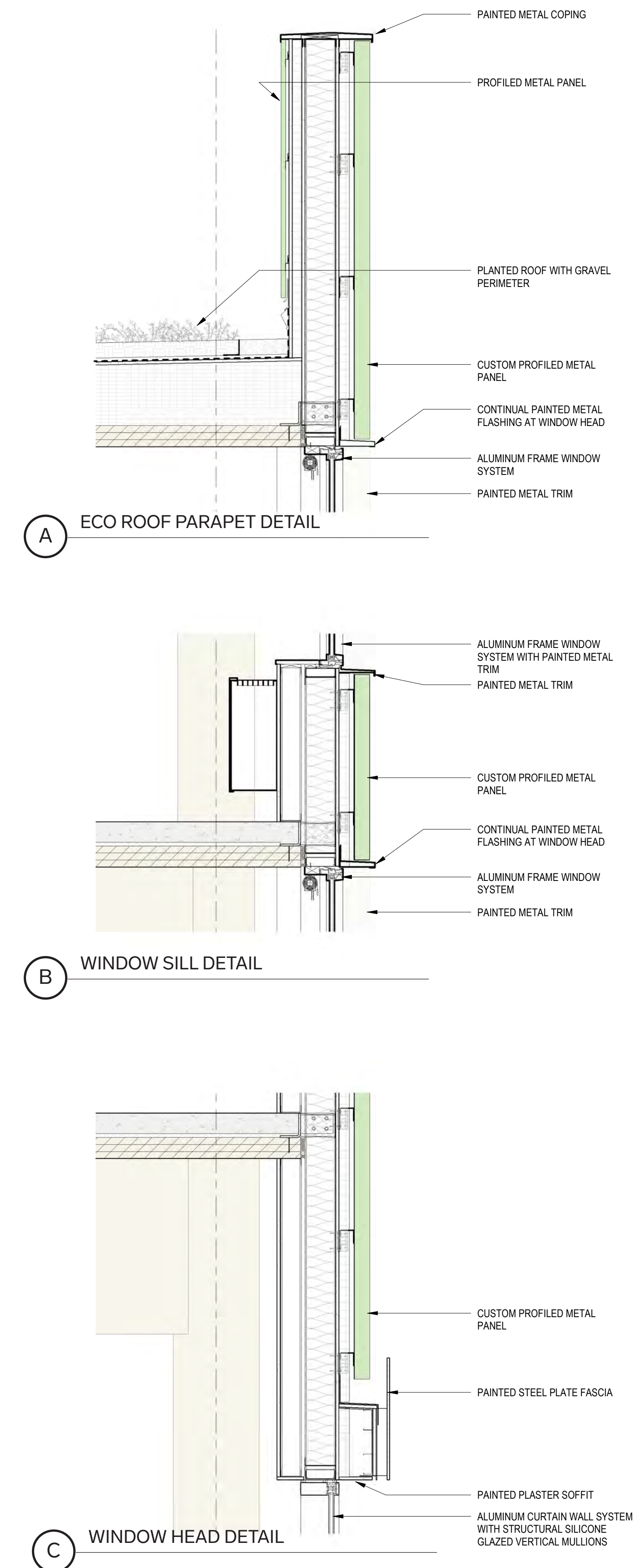




1 GALLERY EAST ENLARGED ELEVATION

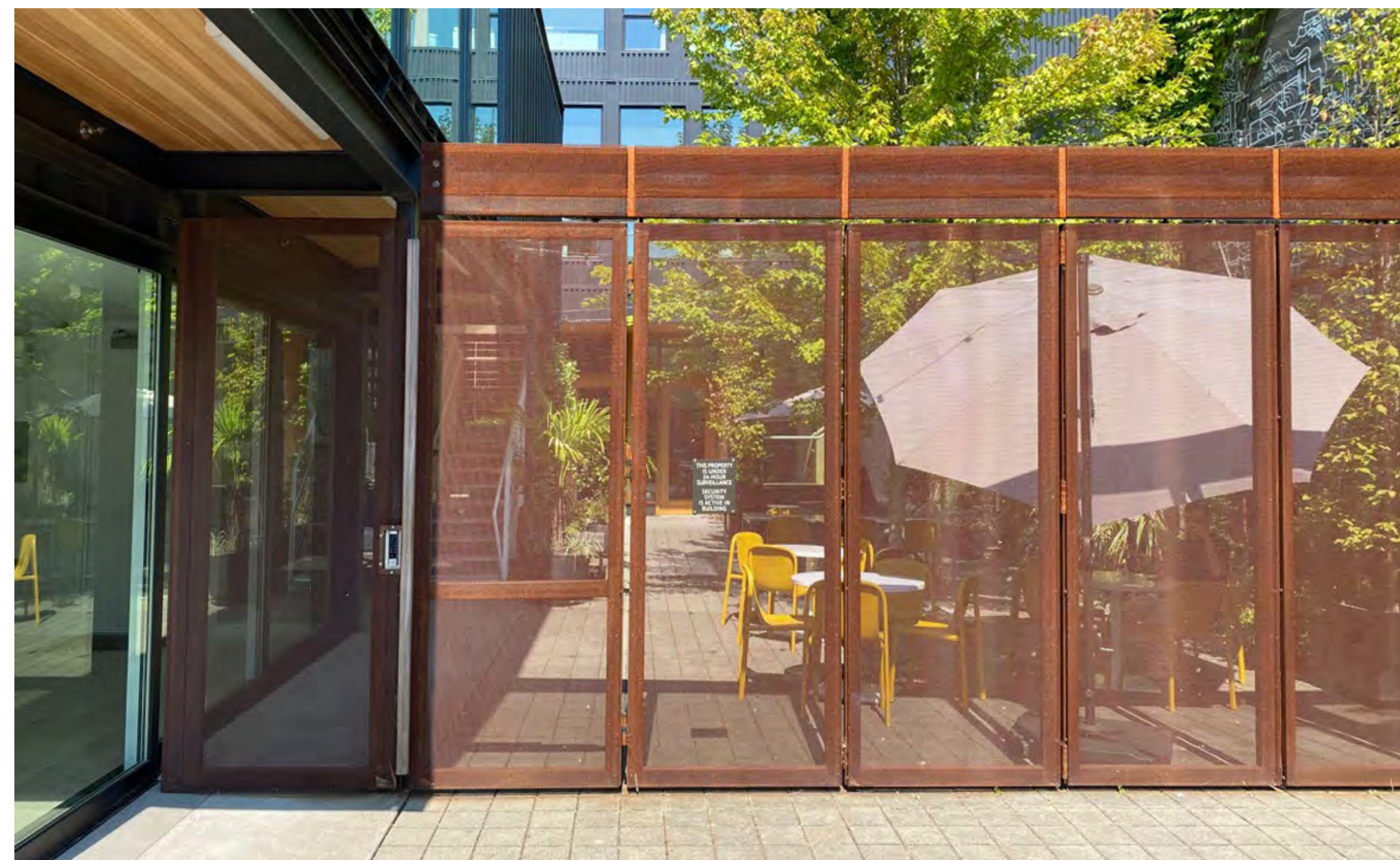
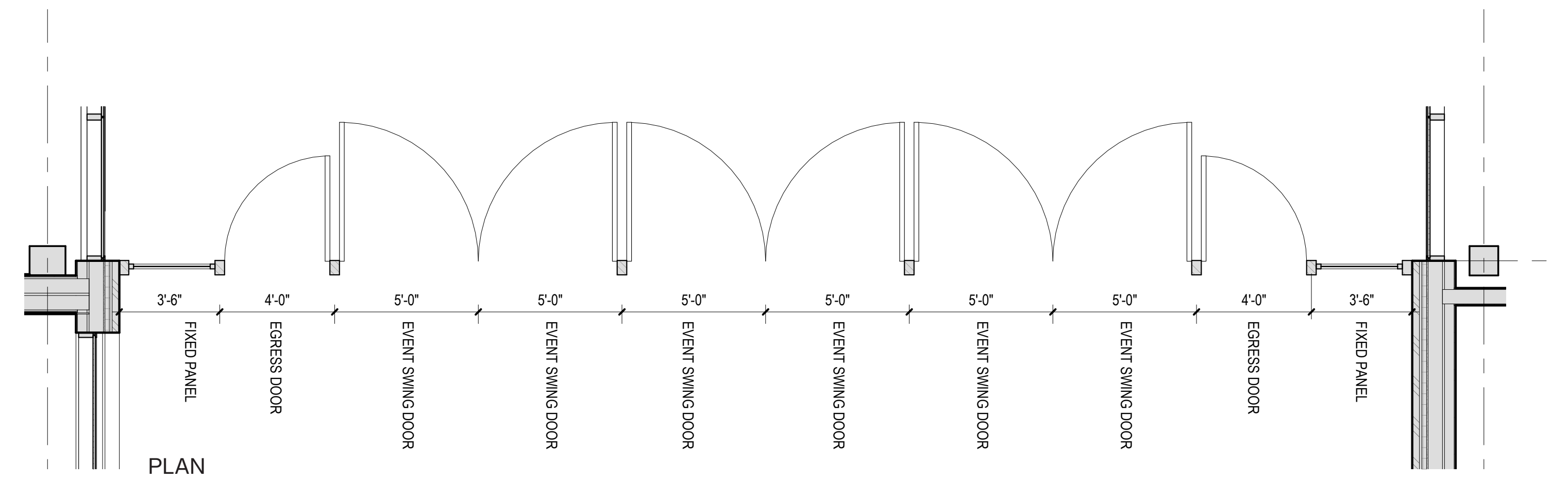


2 WALL SECTION AT GALLERY

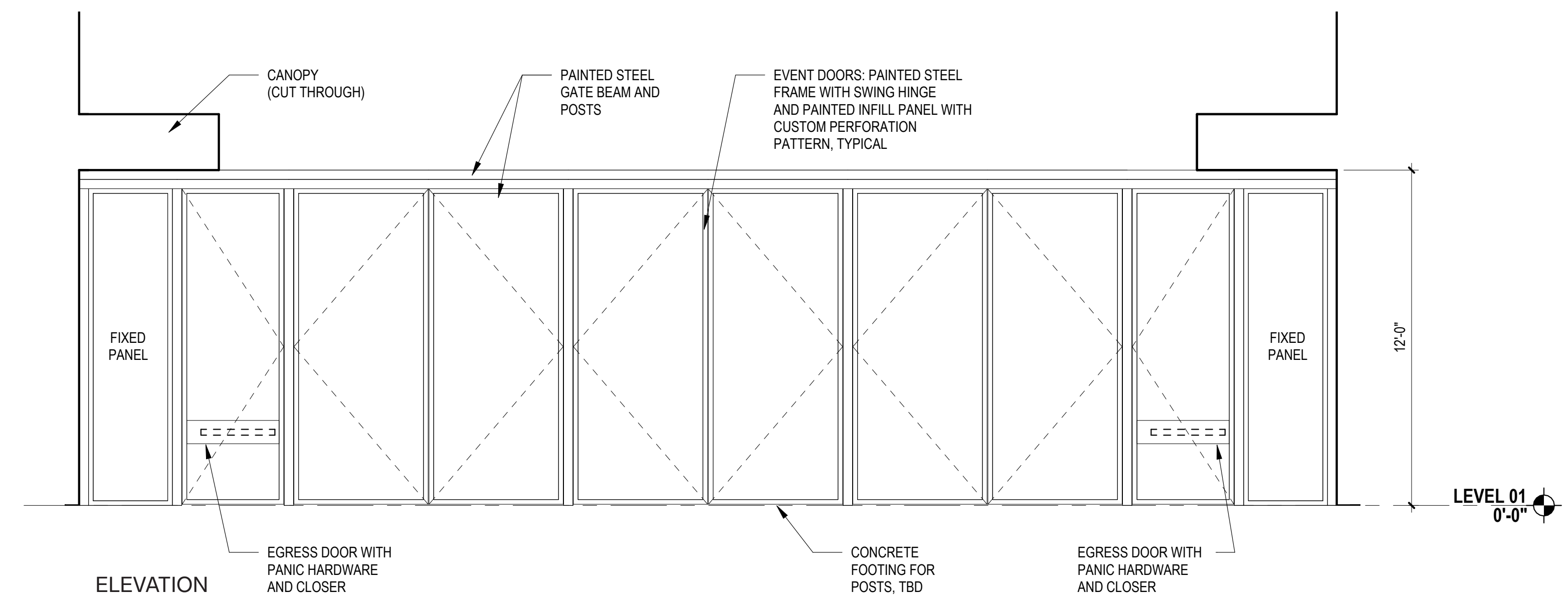


C WINDOW HEAD DETAIL

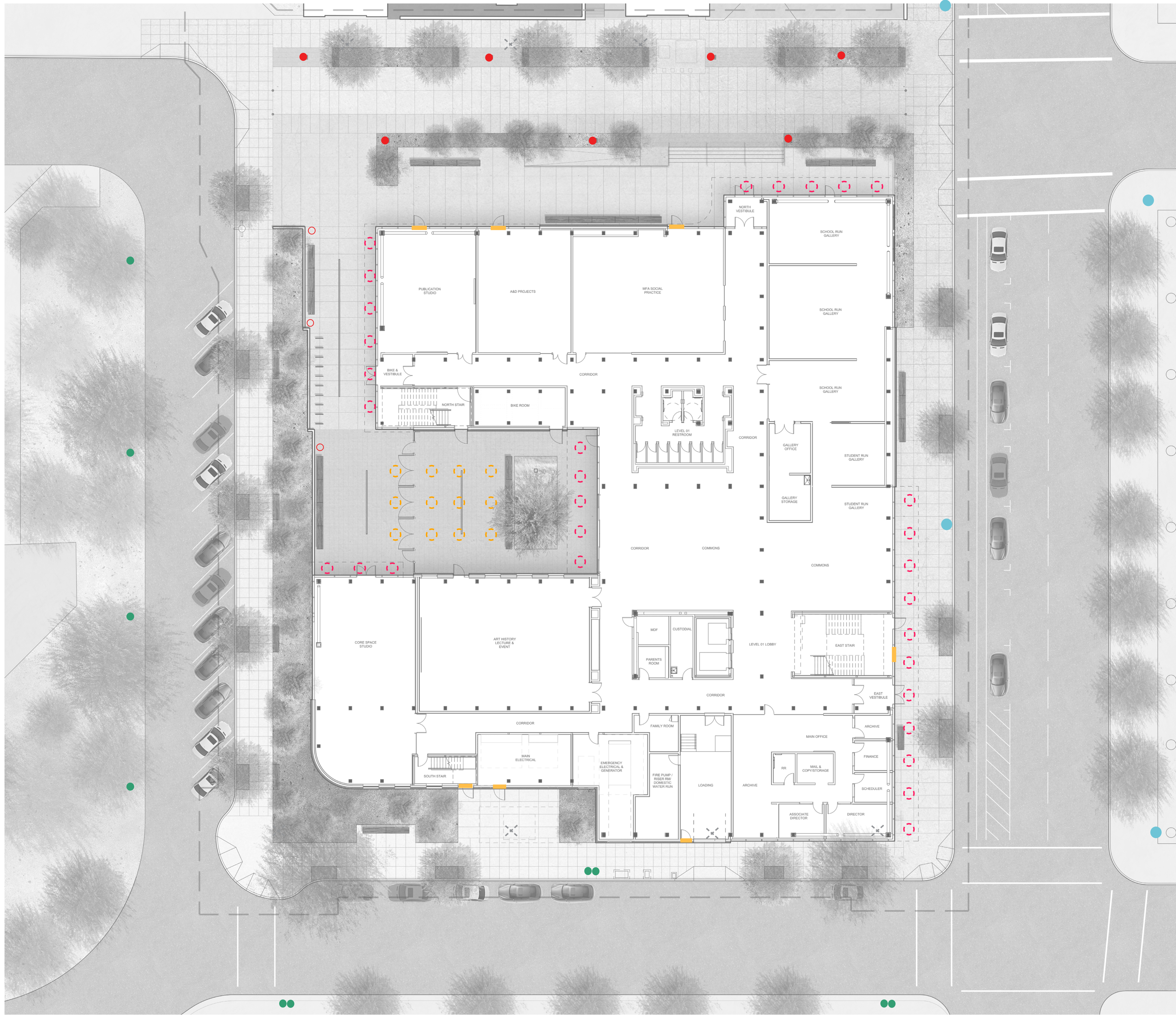





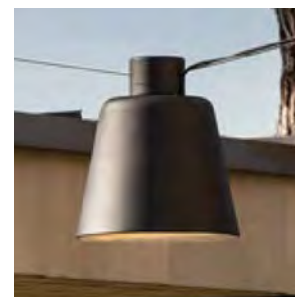



PRECEDENT - LEVER ARCHITECTURE  
COURTYARD GATE  
WITH PERFORATED METAL PANEL











**Proposed Site Lighting**

- 
**Canopy Lighting**  
 Lumenwerx Pop Recessed 24"
- 
**Workyard Catenary Lights**  
 Landscape Forms Tumbler
- 
**Light Pole 15'**  
 Luminis CT185 Series Clermont
- 
**Recessed - Above Door**  
 Lumenwerx Ubik Seal Recessed
- 
**Bollard Lighting**  
 BEGA Shielded Bollard

**City & PSU Standard Street and Sidewalk Lighting**

- 
**Single Ornamental Lightpole**  
 PSU Standard Single Ornamental
- 
**Twin Ornamental Lightpole**  
 City Twin Ornamental
- 
**Protected Cobra Head Lights**  
 Cobra Head Lights
- 
**Demoed Lights**



# DOMESTIC WATER NOTES

- 30. DOMESTIC WATER SERVICE CONNECTION TO BUILDING.
- 31. FIRE PROTECTION CONNECTION TO BUILDING.
- 32. INSTALL 3" WATER METER BY PORTLAND WATER BUREAU.
- 33. INSTALL 1" WATER METER BY PORTLAND WATER BUREAU.
- 34. ABANDON IN PLACE 12" CAST IRON WATER MAIN.
- 35. BUILDING MOUNTED FIRE DEPARTMENT CONNECTION.
- 36. INSTALL X" FIRE SERVICE BY PORTLAND WATER BUREAU.
- 37. IRRIGATION METER CONNECTION TO BUILDING.

# SANITARY NOTES

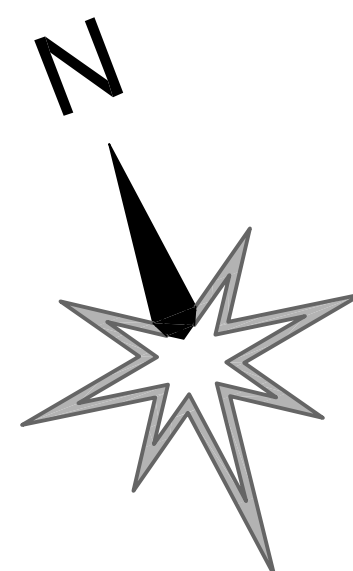
- 50. X" SANITARY SEWER CONNECTION FROM BUILDING.  
IE = 162.00
- 51. X" SANITARY SEWER CONNECTION TO EXISTING CLEANOUT.  
IE = 161.00

# OTHER UTILITY NOTES

- 60. INSTALL NEW PGE 1024 UNDERGROUND TRANSFORMER VAULT.
- 61. PROTECT EXISTING TRANSFORMER VAULT.
- 62. INSTALL NEW PGE 5106 SWITCH VAULT.
- 63. INSTALL NEW MAST ARM SIGNAL POLE.
- 64. RELOCATE EXISTING PEDESTRIAN CROSSING SIGNAL PUSH BUTTON.
- 65. RELOCATE UTILITY RISER TO UNDERGROUND PULLBOX.

# STORMWATER NOTES

- 1. STORMWATER CONNECTION FROM BUILDING.
- 2. 48-INCH DIAMETER CORRUGATED METAL DETENTION PIPE (40 LF) WITH ORIFICE FLOW CONTROL.  
8" IE IN/OUT = 162.16
- 3. BAYFILTER BF-60-2 60" WATER QUALITY MAINTENANCE HOLE WITH TWO 545 BAYFILTER CARTRIDGES.  
RIM = 171.75  
6" IE IN (N) = 163.84  
6" IE IN (E) = 166.10  
6" IE IN (S) = 165.25  
8" IE OUT (SE) = 162.29
- 4. AREA DRAIN
- 5. TRENCH DRAIN
- 6. SANITARY CONNECTION TO EXISTING MAINTENANCE HOLE  
RIM = 172.13  
10" IE IN, (SW) = 161.43  
12" IE IN, NEW (NE) = 164.23  
X" IE IN, NEW (E) = 161.50  
12" IE OUT, (NW) = 161.38



STORMWATER NARRATIVE

PRIVATE SITE

**WATER QUALITY:** ECOROOF SHALL COVER APPROXIMATELY 69-PERCENT OF THE ROOF AREA, AND ALL REMAINING IMPERVIOUS AREA SHALL BE CONVEYED THROUGH A MECHANICAL BAYFILTER (OR APPROVED EQUIVALENT) CARTRIDGE FILTER SYSTEM PRIOR TO DISCHARGING TO THE 10-INCH STORM-ONLY MAIN IN SW PARK AVE.

**WATER QUANTITY:** DUE TO CITY SYSTEM CAPACITY CONCERNS, THE SITE SYSTEM SHALL USE A DETENTION SYSTEM WITH FLOW CONTROL TO MATCH PRE/POST DISCHARGE RATES FOR THE 2-YR, 5-YR, AND 10-YR STORM EVENTS.

PUBLIC RIGHT-OF-WAY

STORMWATER MANAGEMENT WILL BE REQUIRED FOR THE RIGHT-OF-WAY. A STAFF REVIEW SPECIAL CIRCUMSTANCE WILL BE SUBMITTED AND A FEE WILL BE PAID IN LIEU OF CONSTRUCTING A STORMWATER MANAGEMENT FACILITY.

UTILITY CONTACTS

WATER

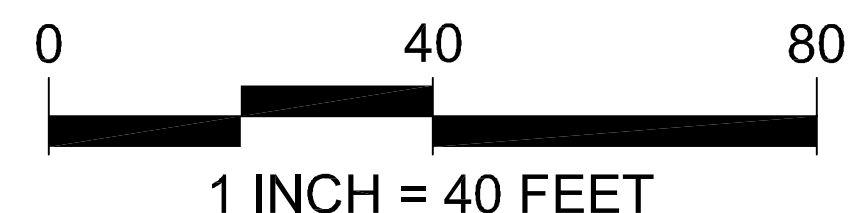
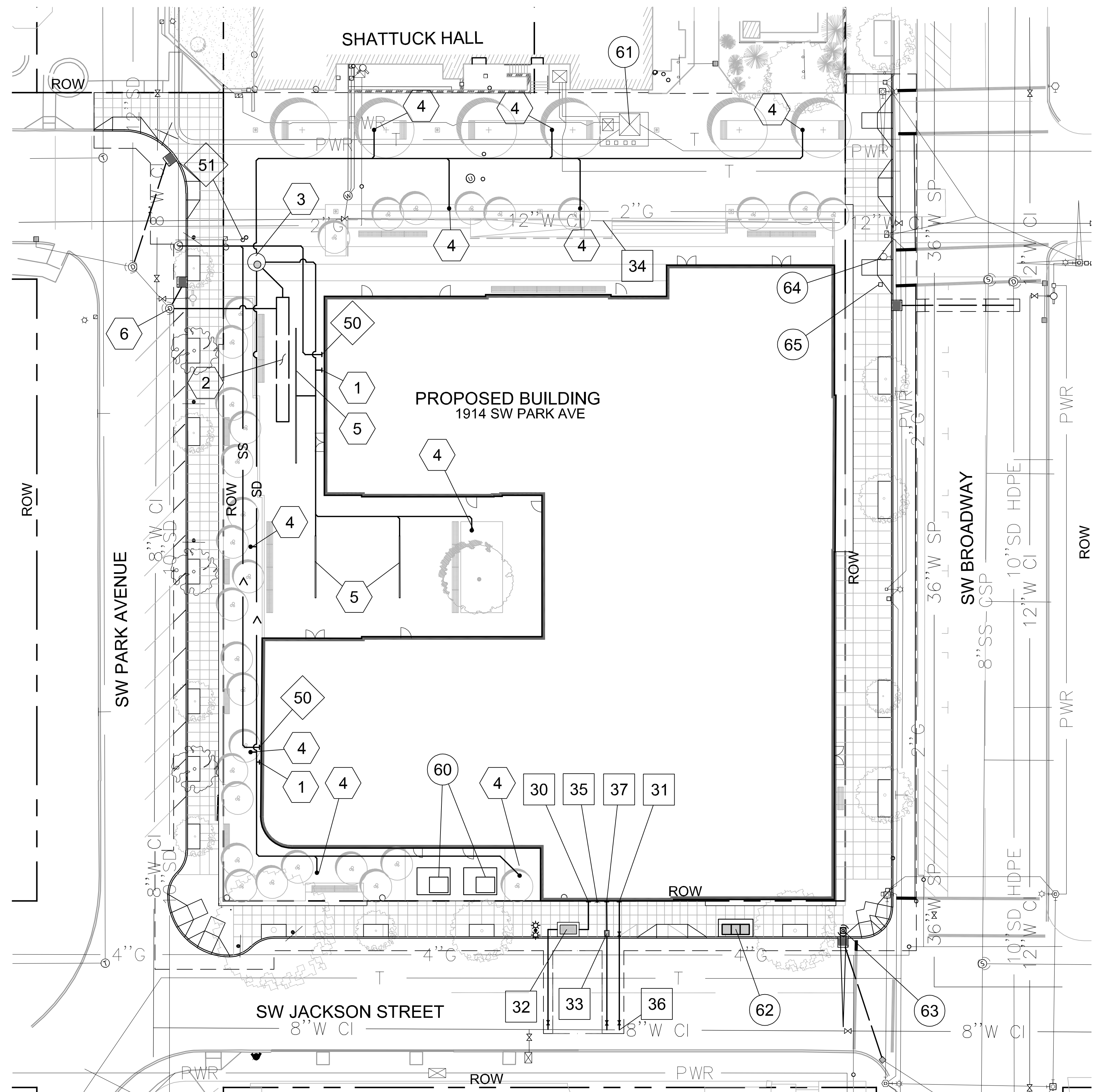
KARAM CHIKHANI  
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KARAM.CHIKHANI@PORTLANDOREGON.GOV  
503-865-6375

ENVIRONMENTAL

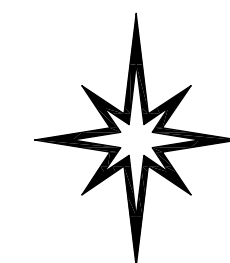
EMMA KOHLSMITH  
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503-823-8427

ELECTRICAL

DEMETRIA BALLARD  
PORTLAND GENERAL ELECTRIC  
DEMETRIA.BALLARD@PGN.COM  
503-736-5445



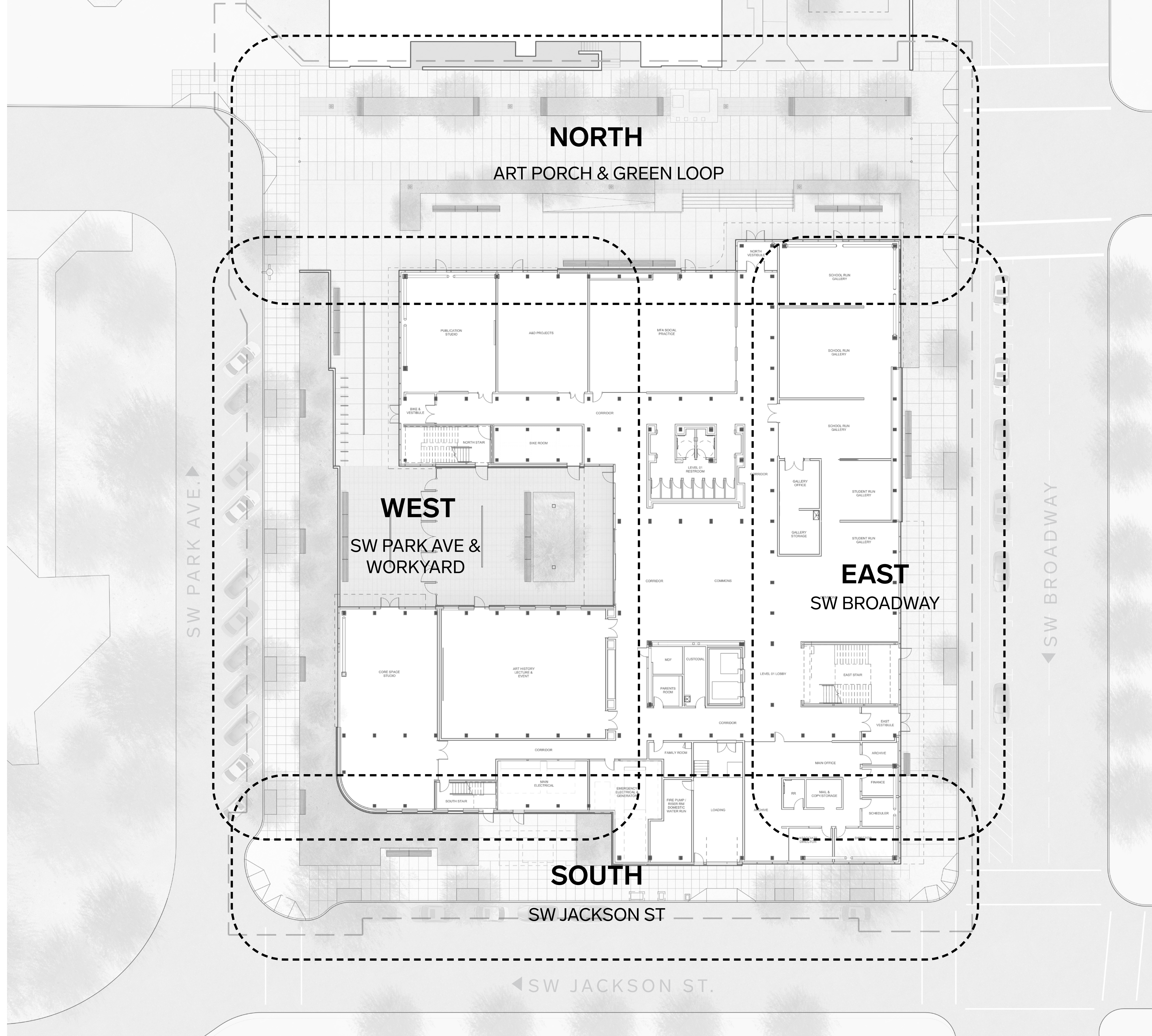
**VEGA**  
CIVIL ENGINEERING LLC  
503.349.1381 | WWW.VEGACIVIL.COM



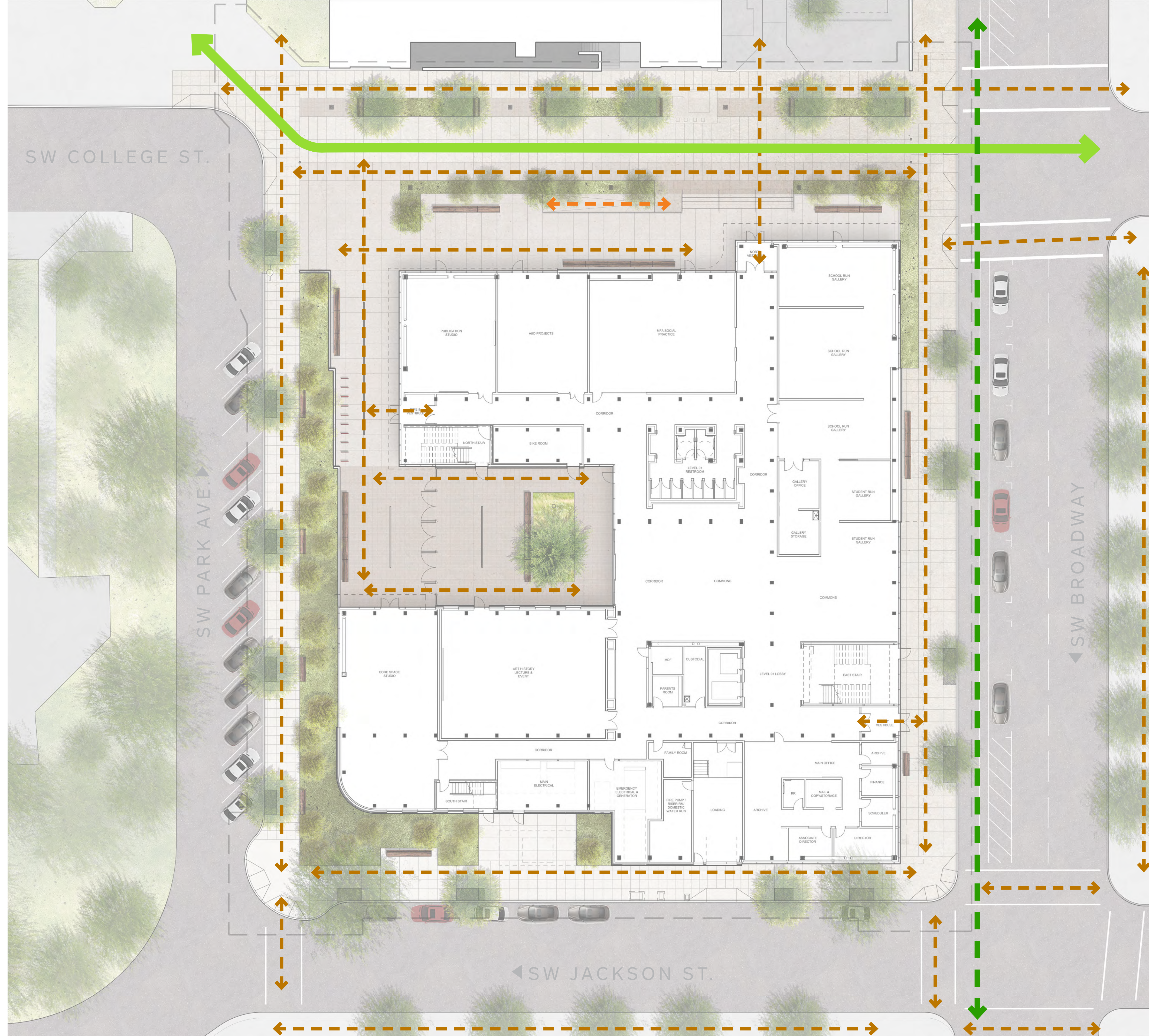












- MICROMOBILITY PATH ▬
- BIKE PATH - - -
- PEDESTRIAN PATH - - -
- SLOPED ADA ACCESS - - -



Removable Bollard

Bench

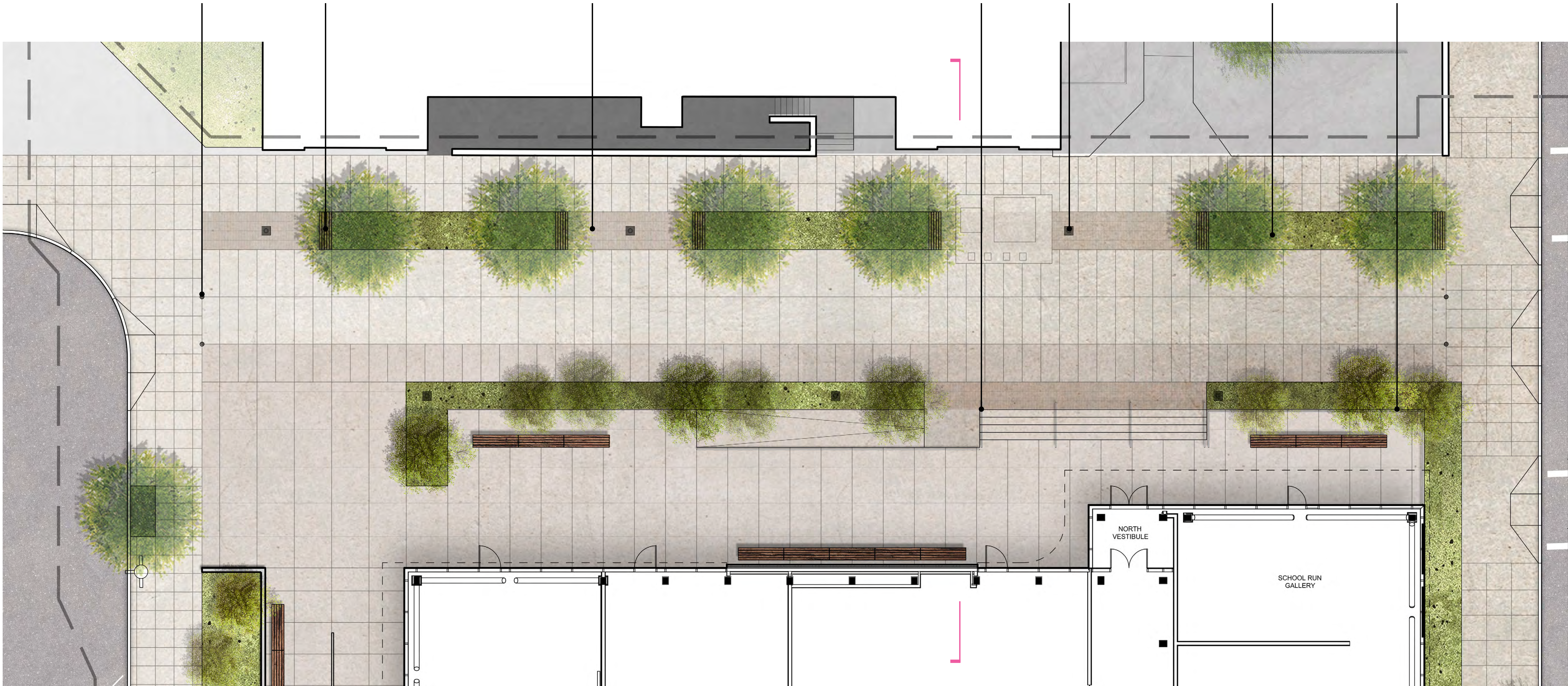
Concrete Unit Paver

Entry Stair + Hand Rail

Light Pole

Planting Area

Guard Rail

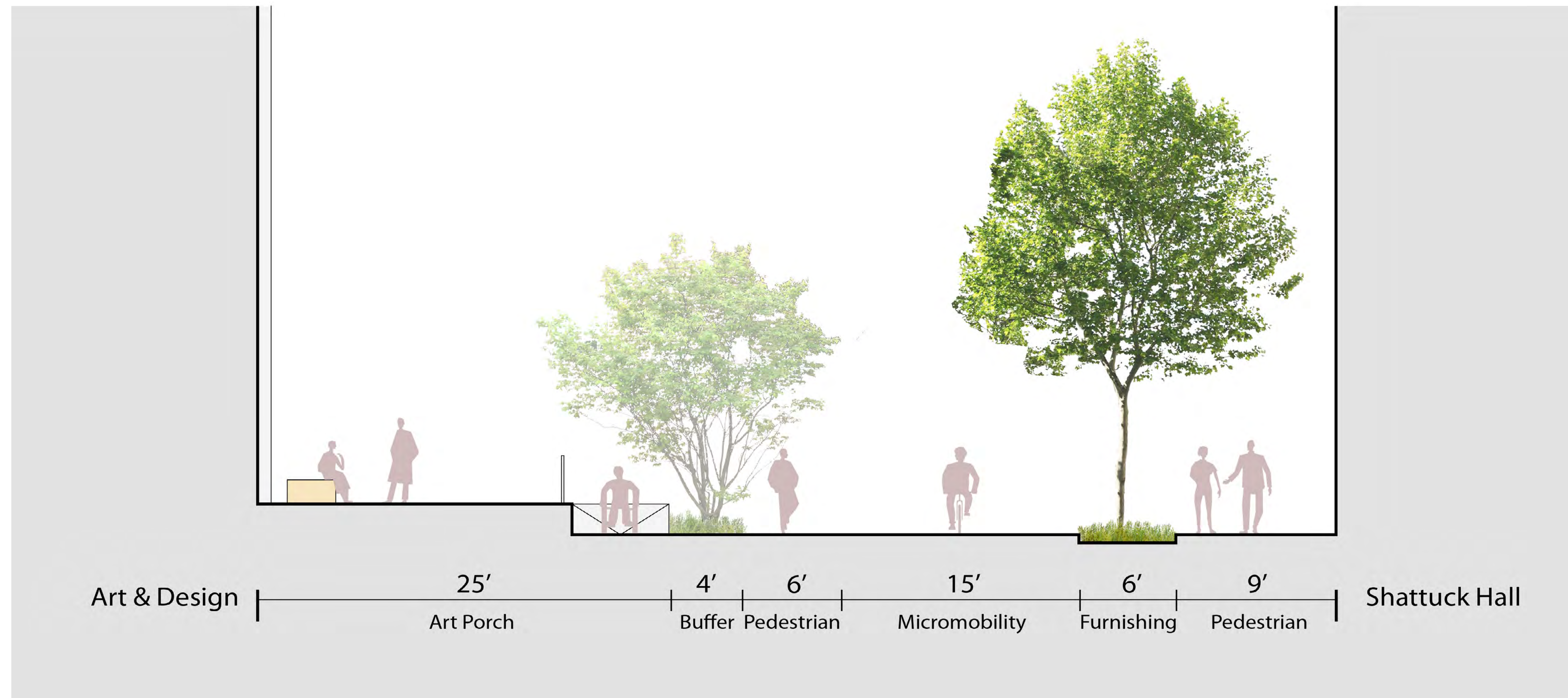




# SECTION

The Green Loop within the vacated portion of SW Collage Street is envisioned as a pedestrian street with park like elements.

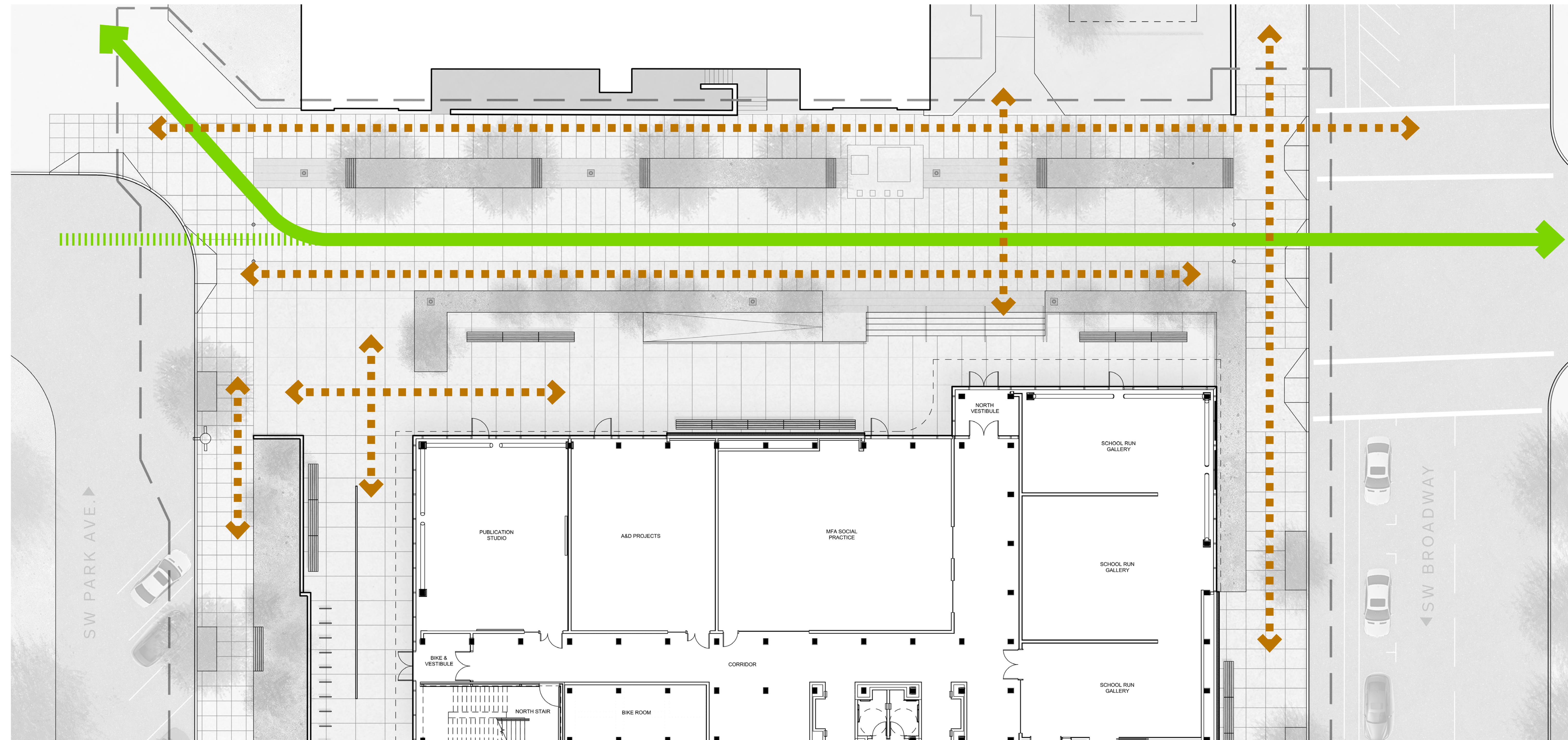
- A 15' wide multimodal path is located in the center of the street.
- An adjacent 6' wide path and a separated 9' wide path are dedicated to pedestrians.
- A 6' furnishing zone on the north side of the street contains large street trees, stormwater planting, wood benches, and concrete unit paving.
- A 4' wide planting strip at the south side of the street acts as a buffer and a green edge between the Green Loop and the Art Porch.
- A central curb cut at the Broadway intersection (as requested by PBOT) provides a connection to the protected bike lane on Broadway and flexibility for future intersection improvements.





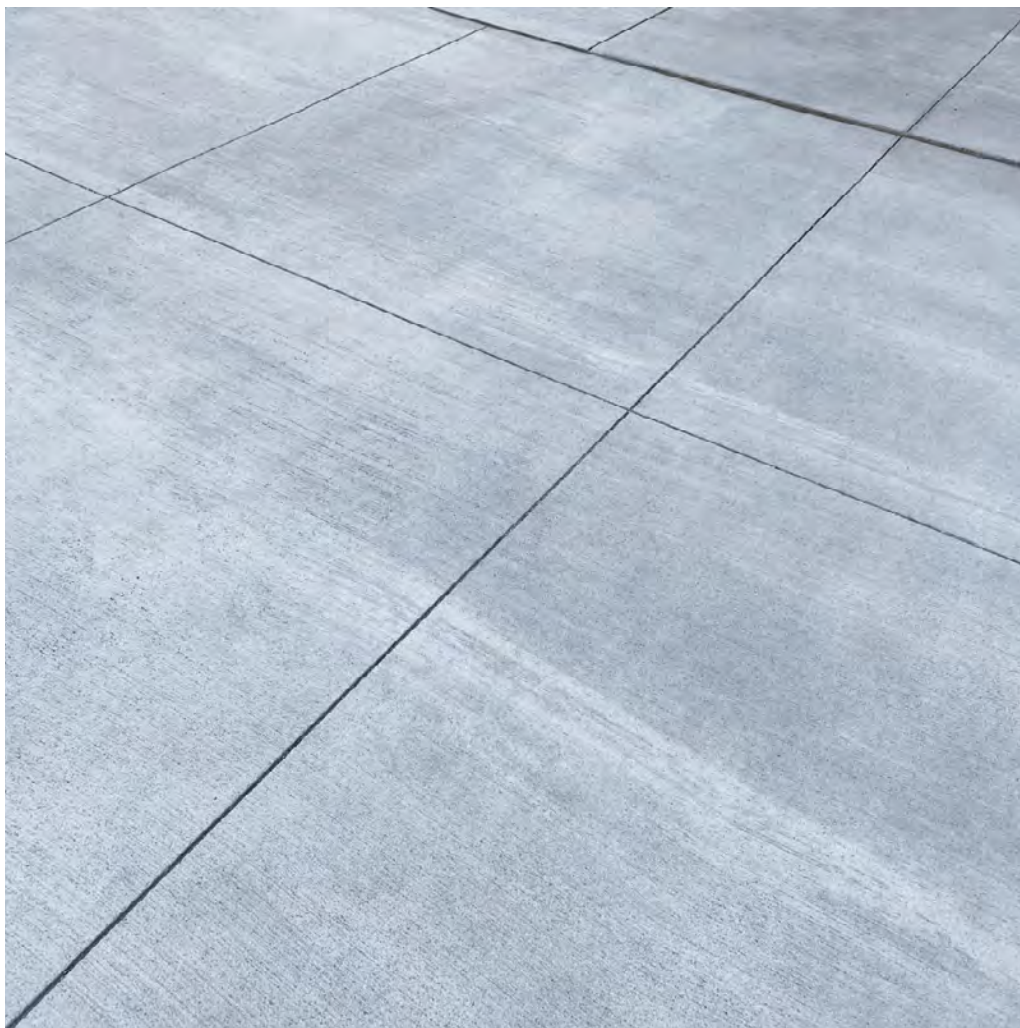
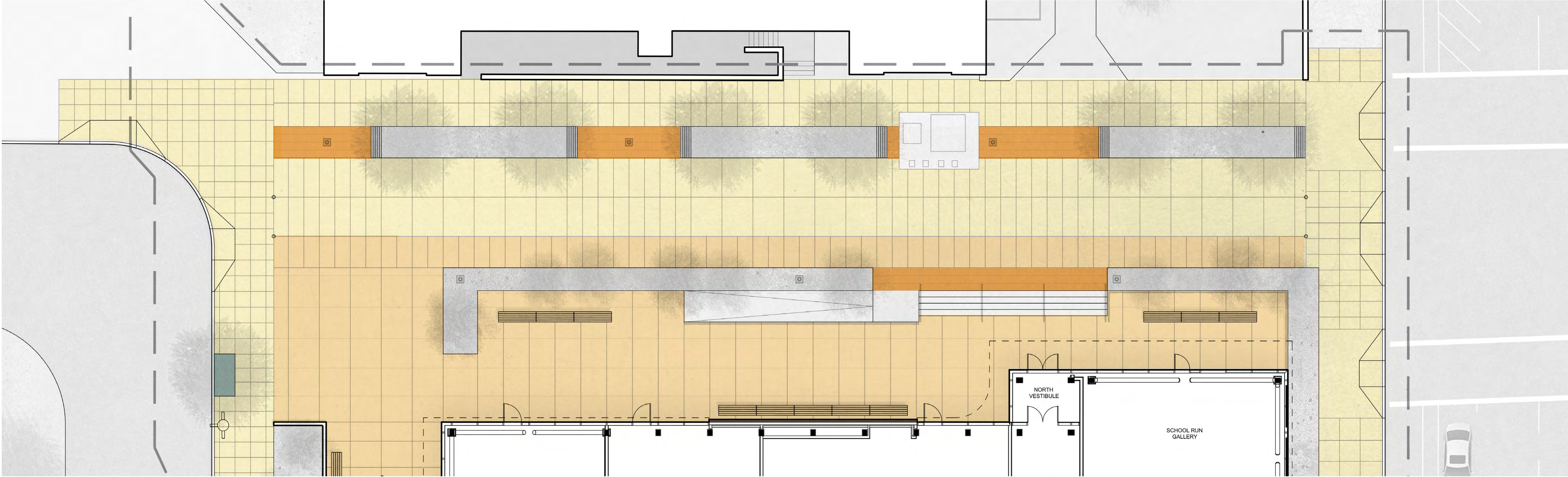
# CIRCULATION

- Walking Path
- Micromobility Path





MATERIAL & SITE FURNISHING



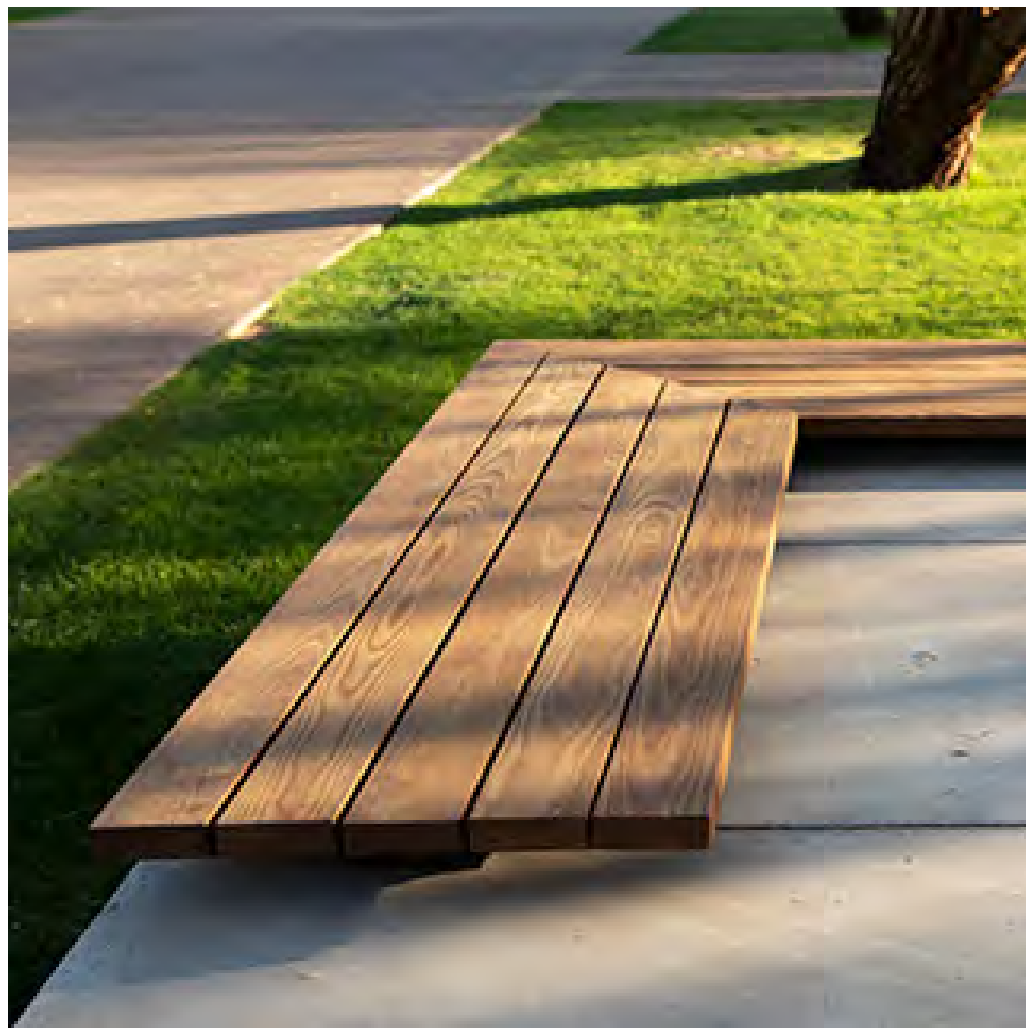
CONCRETE PAVING



DECORATIVE CONCRETE PAVING  
SURFACE RETARDER FINISH



UNIT PAVING  
SAND SET CONCRETE PAVER



WOOD BENCH



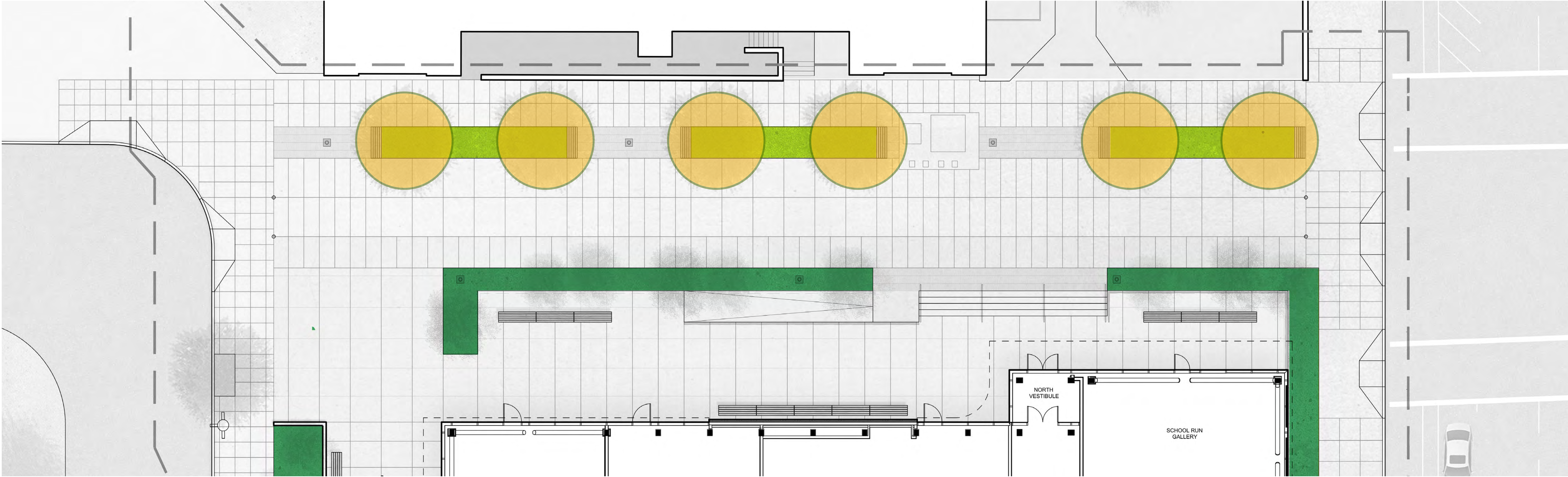
GUARD RAIL



REMOVABLE BOLLARD  
HUNTCO



NATIVE PLANTING PALETTE - PARTIAL SUN / SUN



**ARCTOSTAPHYLOS UVA-URSI 'MASSACHUSETTS'**  
MASSACHUSETTS KINNIKINNICK

**CEANOTHUS GLORIOSUS 'POINT REYES'**  
POINT REYES CEANOTHUS

**MAHONIA AQUIFOLIUM 'COMPACTA'**  
COMPACT OREGON GRAPE

**ARCTOSTAPHYLOS 'SUNSET'**  
SUNSET MANZANITA

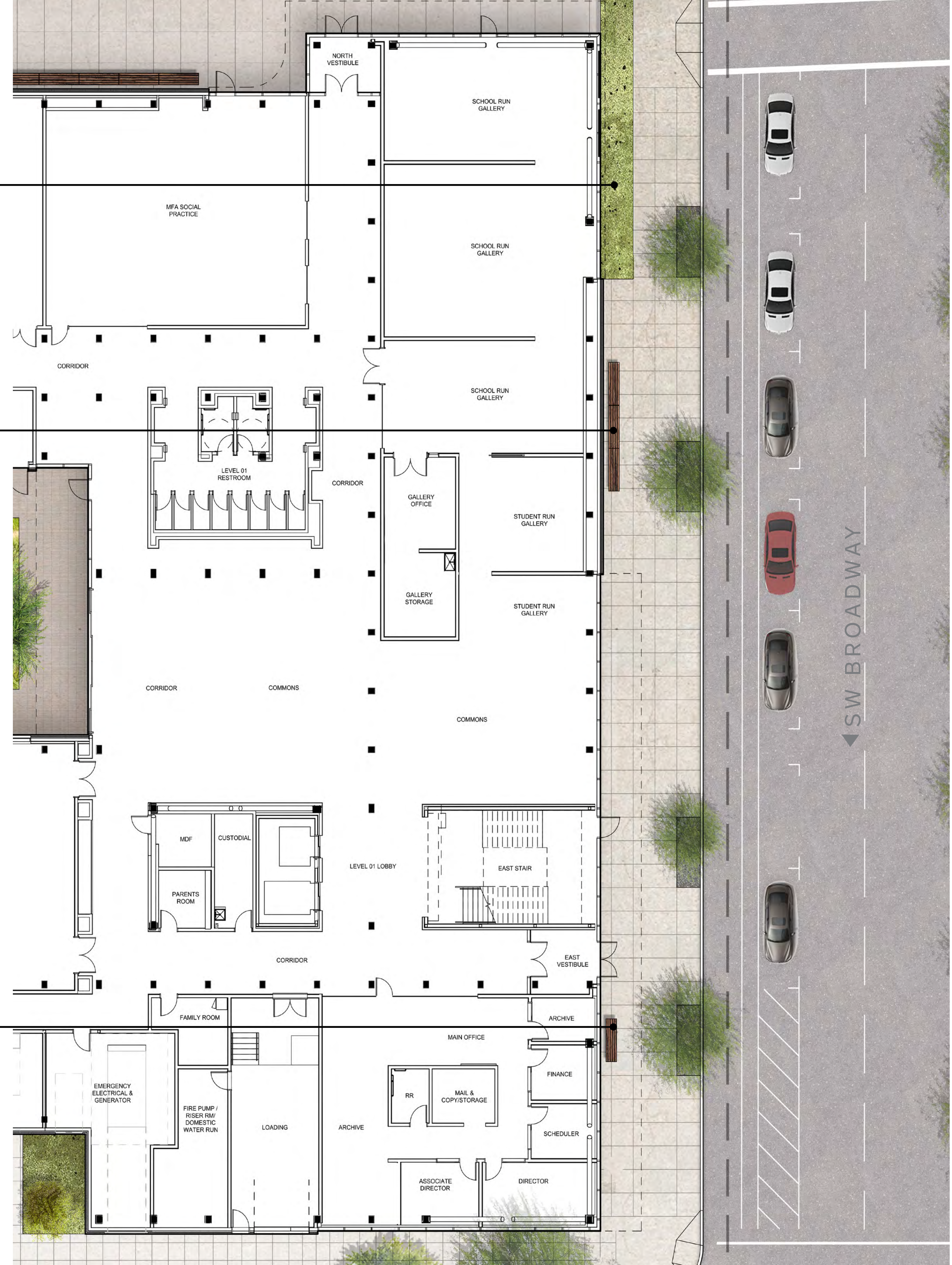
**QUERCUS CHRYSOLEPIS**  
CANYON LIVE OAK



Planting Area

Bench

Bench



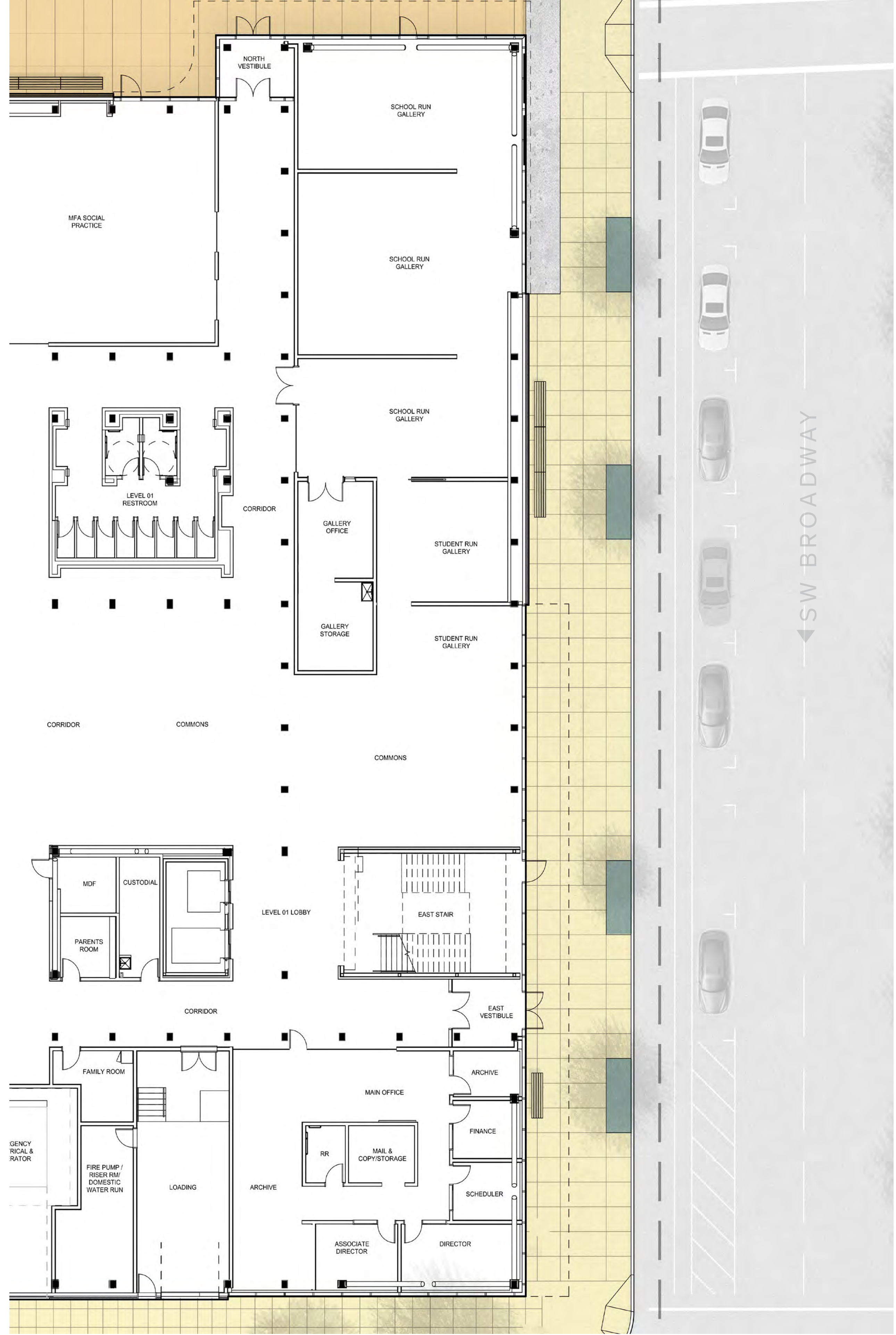


MATERIAL & SITE FURNISHING



CONCRETE PAVING

WOOD BENCH  
LANDSCAPE FORMS "LINK"





NATIVE PLANTING PALETTE - PARTIAL SUN / SHADE



**OXALIS OREGANA**  
REDWOOD SORREL



**POLYSTICHUM MUNITUM**  
WESTERN SWORD FERN



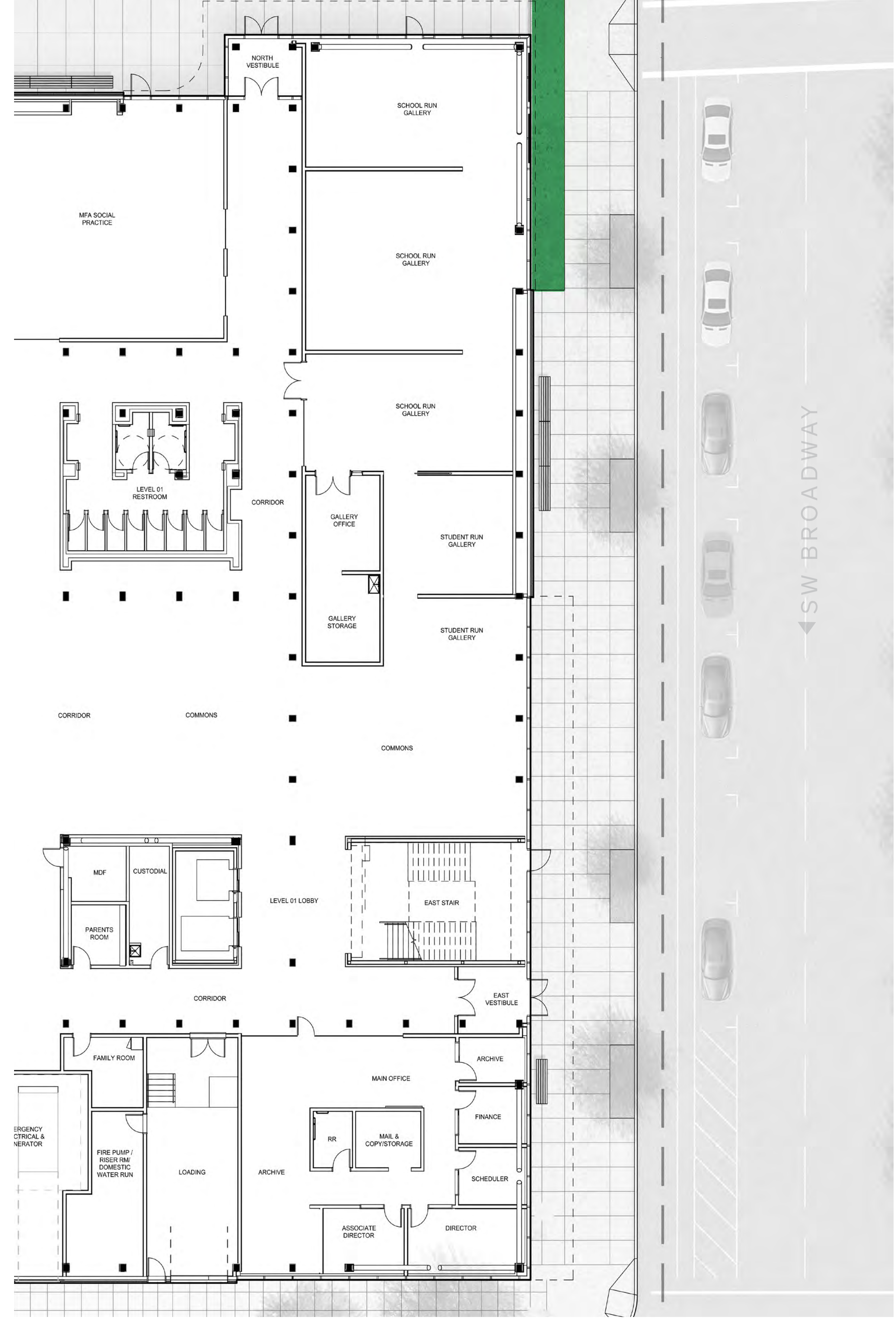
**MAHONIA REPENS**  
CREEPING OREGON GRAPE



**ASARUM CAUDATUM**  
WESTERN WILD GINGER



**WOODWARDIA FIMBRIATA**  
GAINT CHAIN FERN



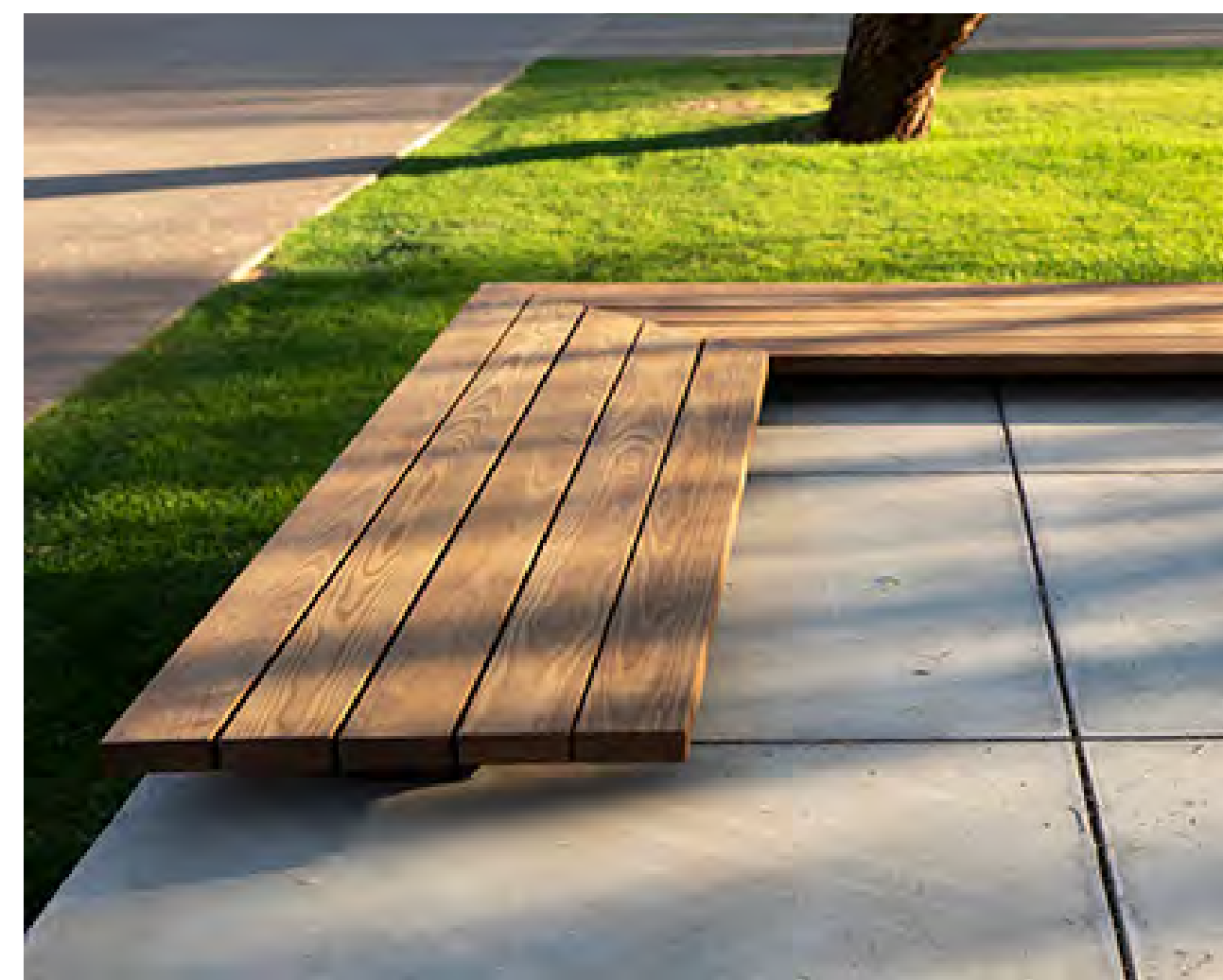
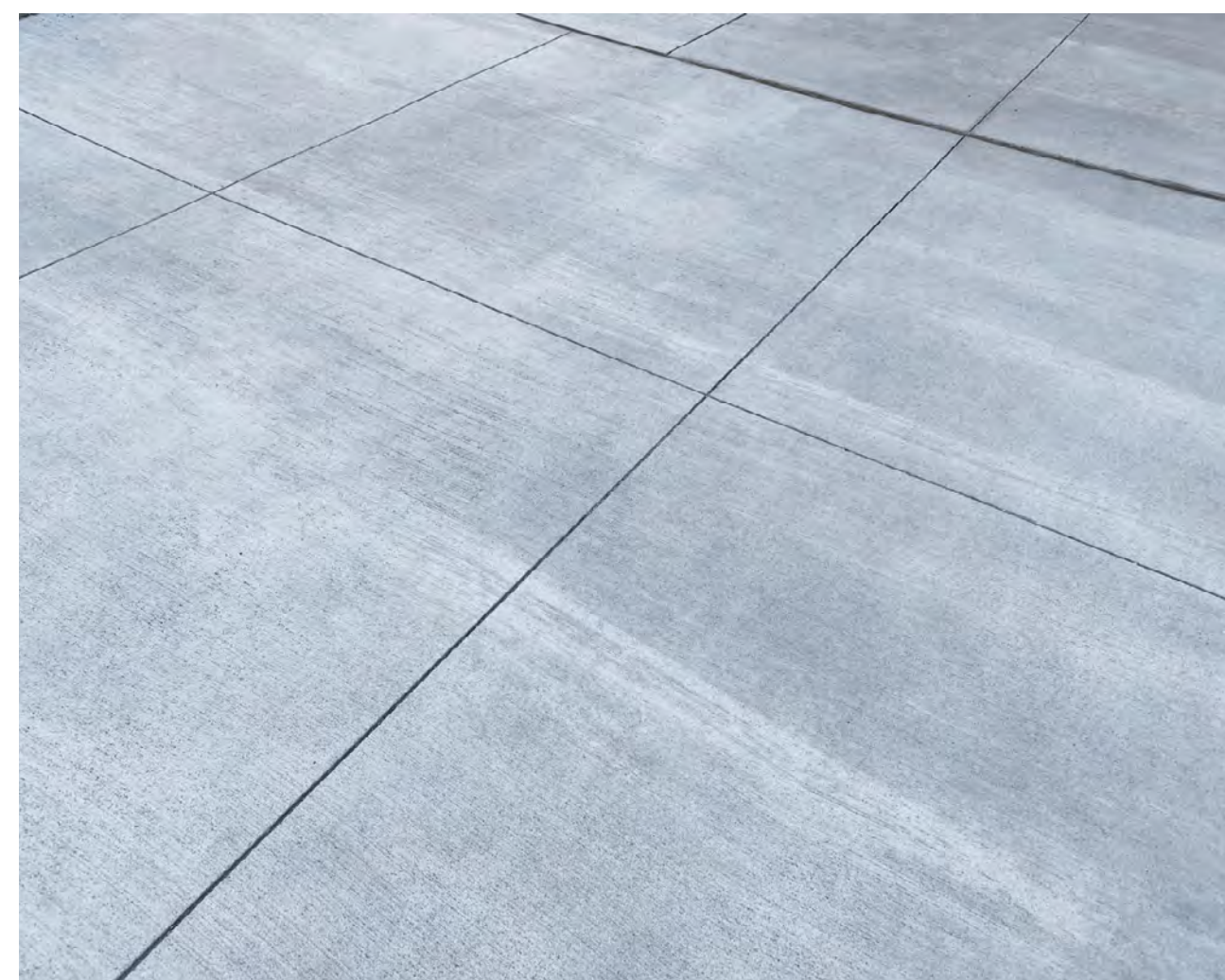
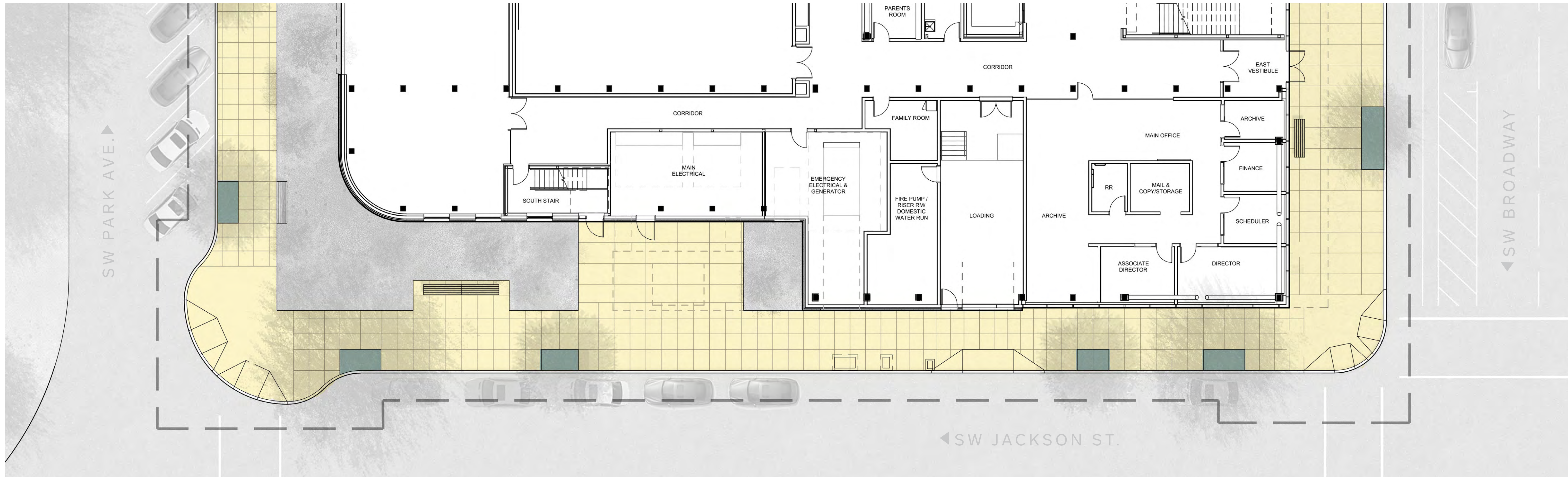




Bench      17' Planting Area



# MATERIAL & SITE FURNISHING

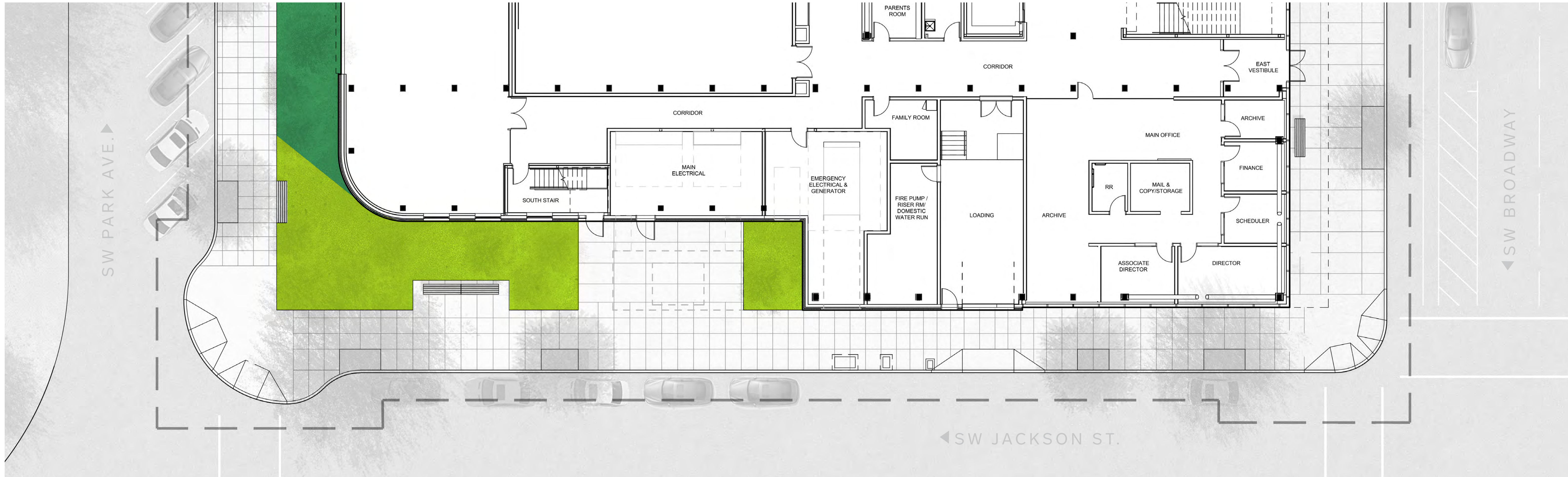


CONCRETE PAVING

WOOD BENCH  
LANDSCAPE FORMS "LINK"



# NATIVE PLANTING PALETTE - PARTIAL SUN / SUN



**ARCTOSTAPHYLOS UVA-URSI 'MASSACHUSETTS'**  
MASSACHUSETTS KINNIKINNICK



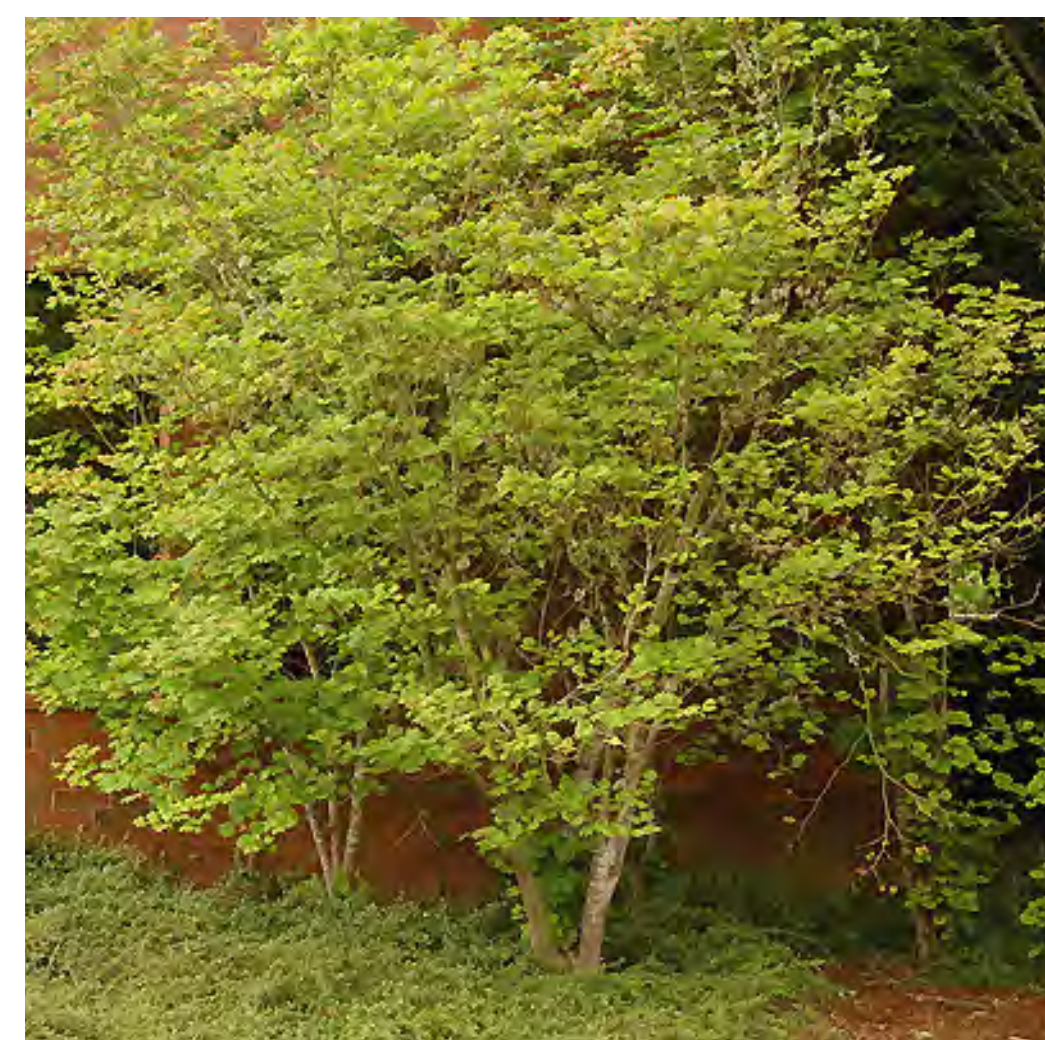
**CEANOTHUS GLORIOSUS 'POINT REYES'**  
POINT REYES CEANOTHUS



**MAHONIA AQUIFOLIUM 'COMPACTA'**  
COMPACT OREGON GRAPE



**ARCTOSTAPHYLOS 'SUNSET'**  
SUNSET MANZANITA



**ACER CIRCINATUM**  
VINE MAPLE

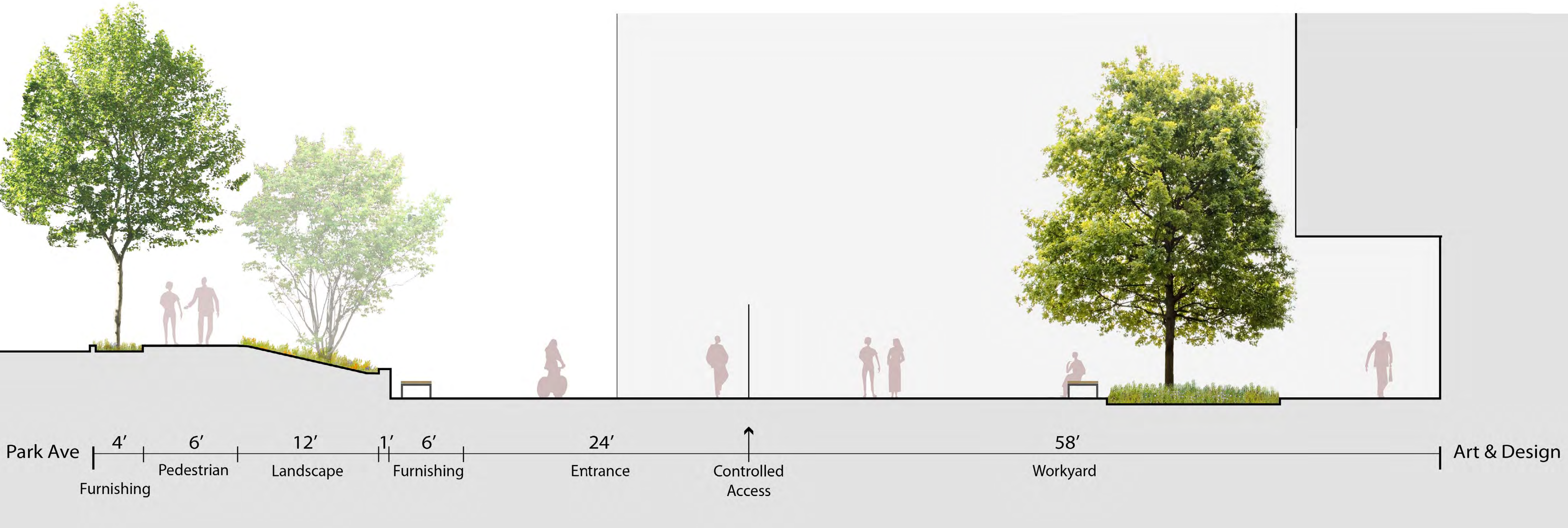


- Bike Rack
- Concrete Unit Paver
- 30' Wall
- Trench Drain
- Fence & Gates
- Bench
- Planting Area





SECTION





**MATERIAL & SITE FURNISHING**



**CONCRETE PAVING**



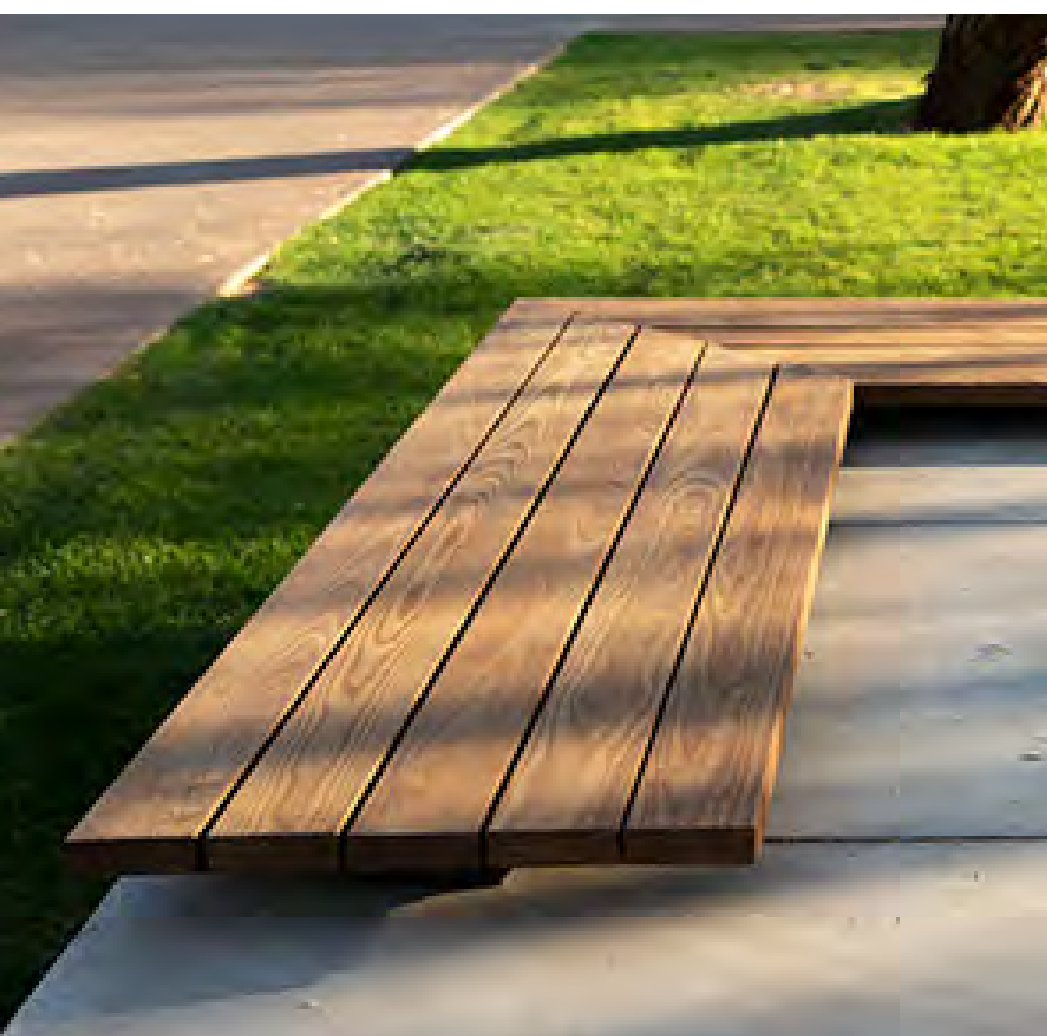
**DECORATIVE CONCRETE PAVING  
SURFACE RETARDER FINISH**



**UNIT PAVING  
SAND SET CONCRETE PAVER**



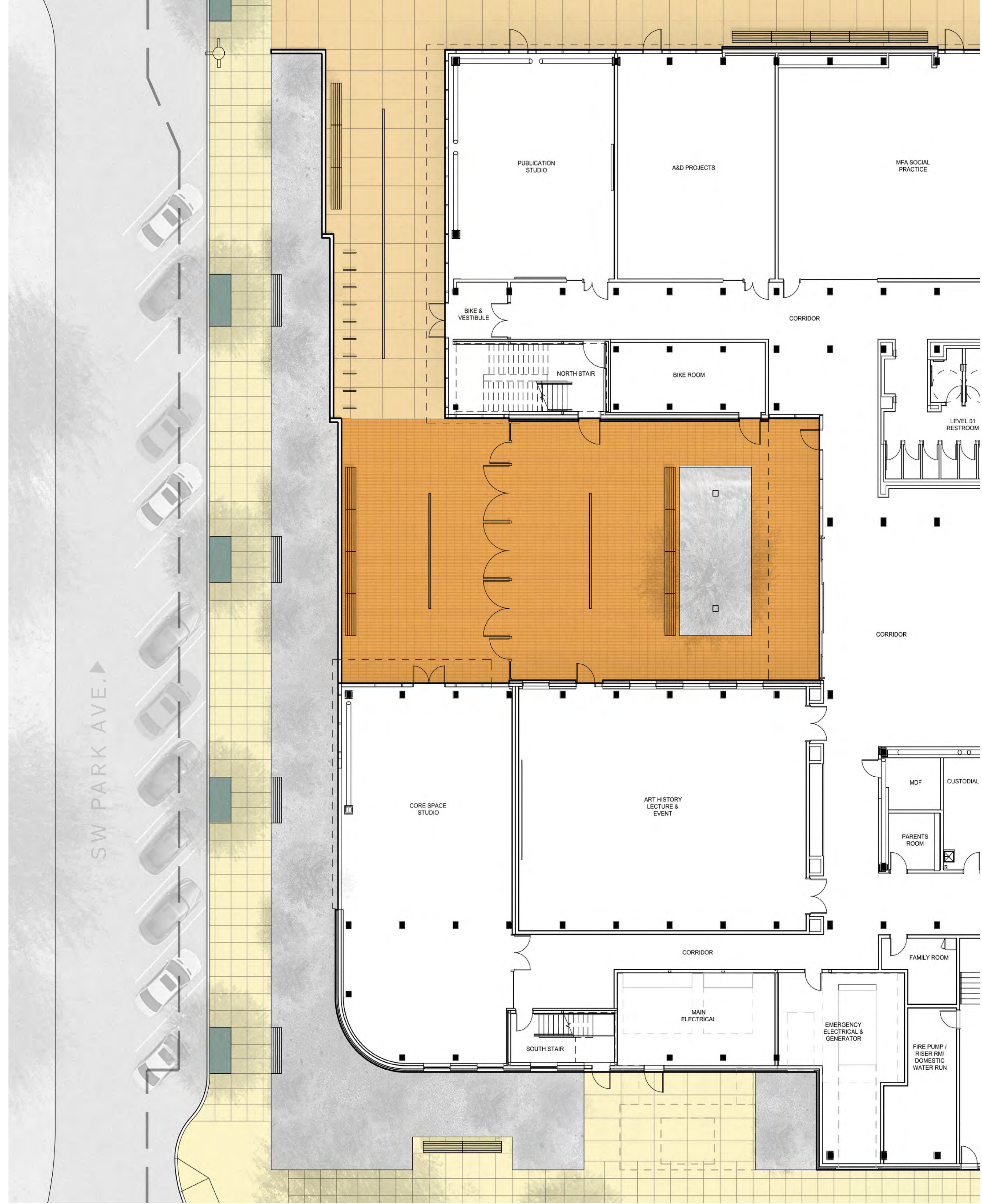
**BIKE RACK  
HUNTCO "The Staple"**



**WOOD BENCH  
LANDSCAPE FORMS "LINK"**



**TRENCH DRAIN  
4" WIDTH, DUCTILE IRON COVER**





NATIVE PLANTING PALETTE - PARTIAL SUN / SHADE



**OXALIS OREGANA**  
REDWOOD SORREL



**POLYSTICHUM MUNITUM**  
WESTERN SWORD FERN



**MAHONIA REPENS**  
CREEPING OREGON GRAPE



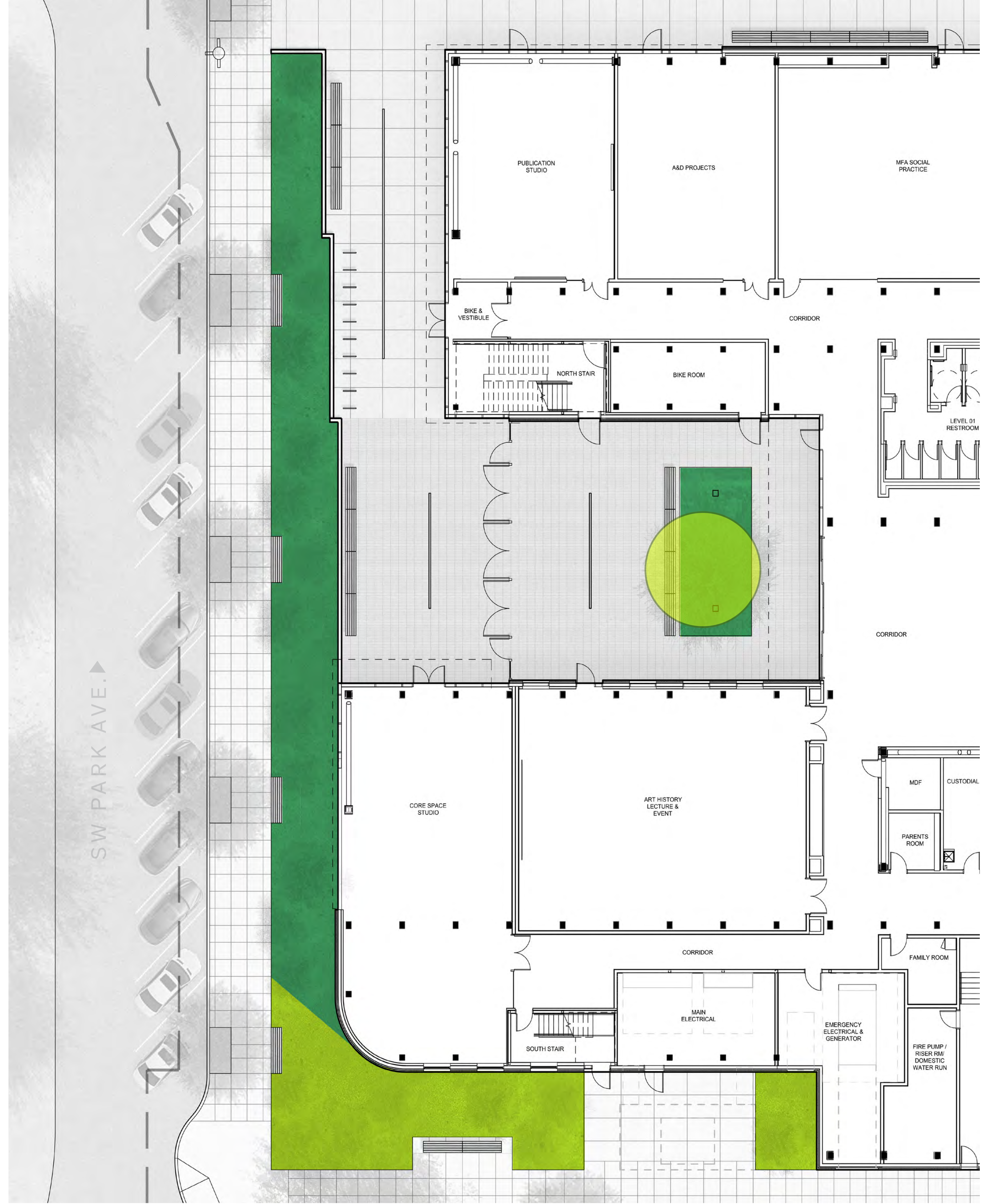
**ASARUM CAUDATUM**  
WESTERN WILD GINGER



**WOODWARDIA FIMBRIATA**  
GAINT CHAIN FERN



**QUERCUS GARRYANA**  
OREGON WHITE OAK





4 **1600UT System<sup>®</sup>2 Curtain Wall** PICTORIAL VIEW JANUARY, 2023 EC 97911-281

KAWNEER ADM081EN kawneer.com

Lanes and building and safety codes governing the design and use of Kawneer products, such as glass, insulating glass, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, opening hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

© 2013, Kawneer Company, Inc.

JANUARY, 2023 **1600UT System<sup>®</sup>2 Curtain Wall** 5  
EC 97911-281 1" INFILL DETAILS

Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)

ELEVATION IS NUMBER KEYED TO DETAILS

OPTIONAL FIBERGLASS PRESSURE PLATE

TUBE HORIZONTAL

OPEN BACK HORIZONTAL

1/4" INFILL ADAPTER

STEEL REINFORCING AS REQUIRED

Structural Silicone Sealant (by Others)\*

\*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

KAWNEER ADM081EN kawneer.com

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JANUARY, 2023 **1600UT System<sup>®</sup>2 Curtain Wall** 6  
EC 97911-281 THERMAL ENTRANCE DETAILS (1" INFILL)

Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)

B/H OR O/P  
ELEVATION IS NUMBER KEYED TO DETAILS

DOOR JAMB BUTT HUNG OR OFFSET PIVOT

TRANSOM BAR SURFACE CLOSER OR FLOOR CLOSER

TRANSOM BAR CONCEALED CLOSER

\*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

KAWNEER ADM081EN kawneer.com

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8 **1600UT System<sup>®</sup>2 Curtain Wall** THERMAL ENTRANCE DETAILS (1" INFILL) JANUARY, 2023 EC 97911-281

Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)

B/H OR O/P  
ELEVATION IS NUMBER KEYED TO DETAILS

DOOR JAMB BUTT HUNG OR OFFSET PIVOT

TRANSOM BAR SURFACE CLOSER OR FLOOR CLOSER

DOOR JAMB BUTT HUNG OR OFFSET PIVOT

TRANSOM BAR SURFACE CLOSER OR FLOOR CLOSER

\*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

KAWNEER ADM081EN kawneer.com

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JANUARY, 2023 **1600UT System<sup>®</sup>2 Curtain Wall** 9  
EC 97911-281 CORNERS (1" INFILL)

Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)

90° OUTSIDE CORNER

90° INSIDE CORNER

135° OUTSIDE CORNER

135° INSIDE CORNER

OUTSIDE SPLOYED MULLIONS

INSIDE SPLOYED MULLIONS

OTHER SPLOY OPTIONS AVAILABLE

\*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

KAWNEER ADM081EN kawneer.com

Lanes and building and safety codes governing the design and use of Kawneer products, such as glass, insulating glass, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, opening hardware, or glazing materials, and assumes no responsibility therefor.

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18 **1600UT System<sup>®</sup>2 Curtain Wall** BACKPAN DETAILS (1" INFILL) JANUARY, 2023 EC 97911-281

Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)

ELEVATION IS NUMBER KEYED TO DETAILS

NOTE: 6" SYSTEM SHOWN, 7-1/2" SYSTEM SIMILAR

HEAD TRANSOM AT PARAPET FLASHING

EXPANSION JOINT

JAMB MULLION AT SPANDEL (With vapor barrier tie-in)

MULLION AT SPANDEL

TYPICAL DEADLOAD ANCHOR

TRANSOM - SPANDEL OVER VISION

\*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

KAWNEER ADM081EN kawneer.com

Lanes and building and safety codes governing the design and use of Kawneer products, such as glass, insulating glass, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, opening hardware, or glazing materials, and assumes no responsibility therefor.

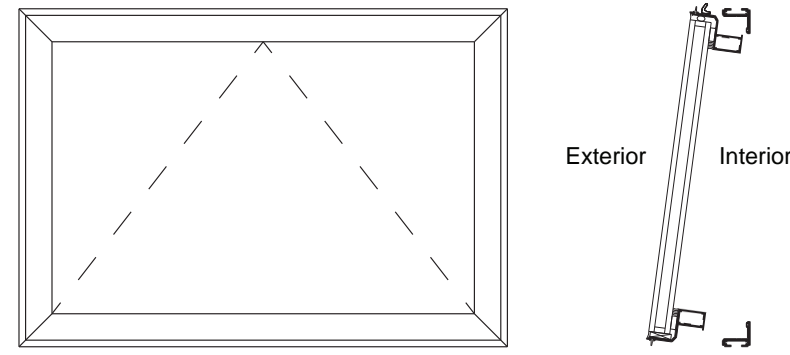
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**Features**

- Heavy Commercial Grade Window
- Tested to US Standards
- 45° Mitered Vent and Frame Corners
- Staked Corner Joinery
- Architectural Anodized Finishes and Applied Coatings



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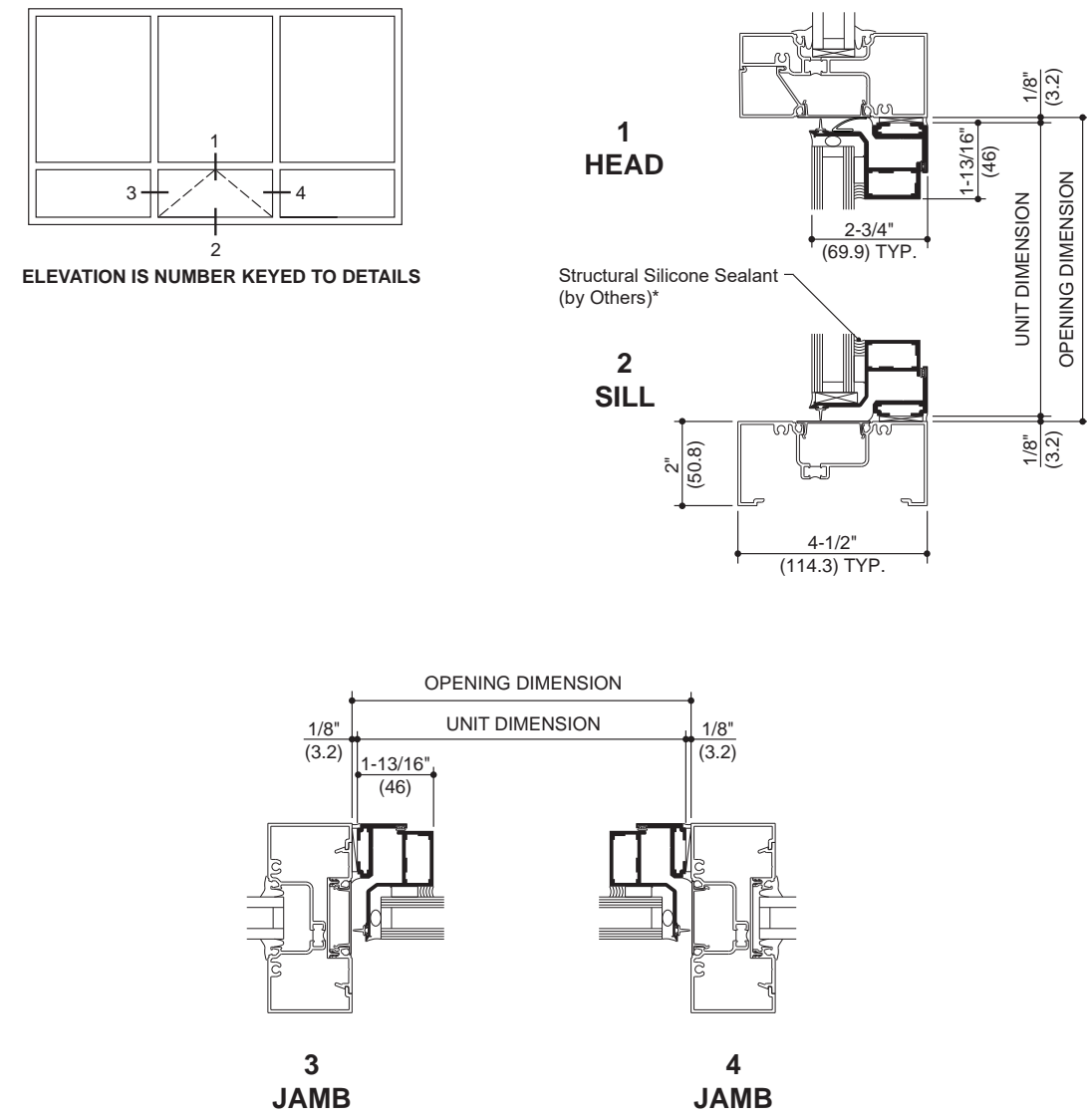
For specific product applications, consult your Kawneer representative.



ADME070EN

kawneer.com

Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)



**NOTE:** THE KAWNEER GLASSvent® WINDOW IS SHOWN IN THESE DETAILS WITH TRIFAB® VERSAGLAZE® 4511 STOREFRONT FRAMING FOR REFERENCE. OTHER KAWNEER SYSTEMS CAN BE USED. FOR PRODUCT SPECIFIC APPLICATIONS CONSULT YOUR KAWNEER REPRESENTATIVE.

**INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.



ADME070EN

kawneer.com

<b>CLASS and GRADE</b>	Heavy Commercial Grade P-HC40 – P-HC70
<b>TESTING STANDARD</b>	AAMA / WDMA / CSA / 101 / I.S.2 / A440 (NAFS)
<b>SYSTEM DEPTH</b>	2-3/4" Overall System Depth (1" Infill) 2-1/8" Overall System Depth (1/4" Infill)
<b>TYPICAL WALL THICKNESS</b>	0.090 Nominal Frame
<b>TYPICAL MAX. VENT SIZE</b>	60" x 36"
<b>TYPICAL MIN. VENT SIZE</b>	14" x 14"
<b>INFILL OPTIONS</b>	1" and 1/4"
<b>STANDARD HARDWARE</b>	Stainless Steel 4-Bar Hinges Cast White Bronze Cam Lock
<b>OPTIONAL HARDWARE</b>	Cam Lock with Pole Ring Sash Pole Pole Ring Access Control Lock Pivot-Shoe Roto-Operator Concealed Lock with removable key Hook Bolt Lock Limit Stop
<b>OTHER OPTIONS</b>	Insect Screens

Storefront and curtain wall GLASSvent™ Windows are available as project-out or outswinging casement, without the sightline buildup you get when typical operating windows are added to a framing system.

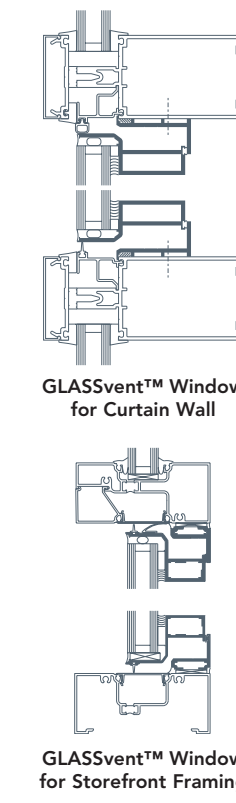
GLASSvent™ Windows have everything you'd expect in a Kawneer window:

- Stainless steel four-bar hinges provide positive control for trouble-free operation
- Positive cast white bronze locking hardware delivers strength and security
- Pivot shoe roto-operator on project-out window
- Multi-point locks on casement window
- GLASSvent™ Windows for Curtain Wall tested to AAMA 501 and for blast resistance
- GLASSvent™ Windows for Storefront Framing tested to NAFS and ANSI/AAMA/NWDA 101/I.S.2-97

But there's still more to GLASSvent™ Windows. Beyond its obvious advantages in new construction, GLASSvent™ Windows adapt easily to retrofit applications. This versatile window is an economical way to upgrade building aesthetics and function. The less you see, the more you want Kawneer GLASSvent™ Windows



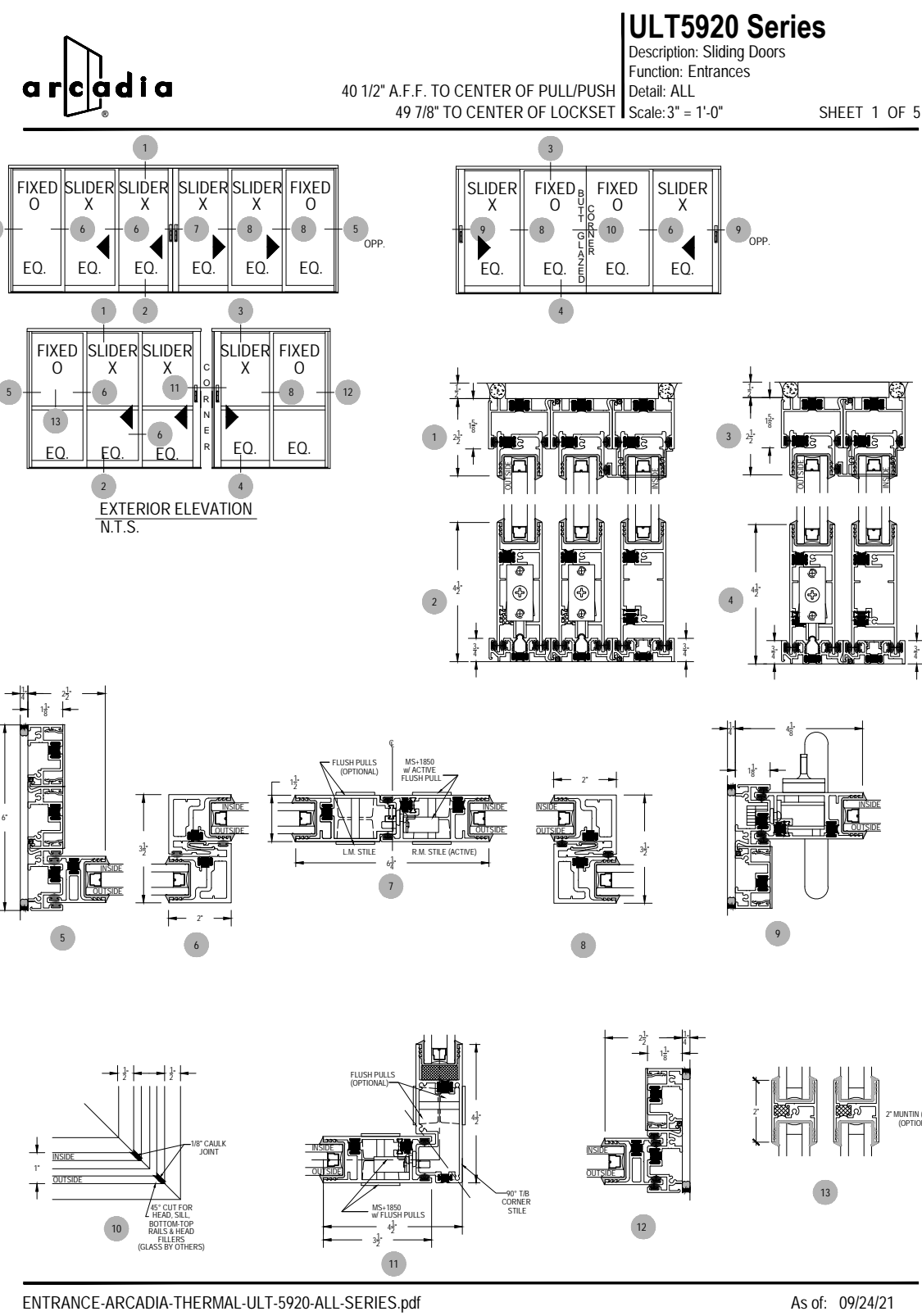
**Massanutten WaterPark**  
Massanutten, Virginia  
ARCHITECT  
Dembling + Dembling Architects, P.C., Albany, New York  
GLAZING CONTRACTOR  
Architectural Glass & Mirror, Clifton Park, New York



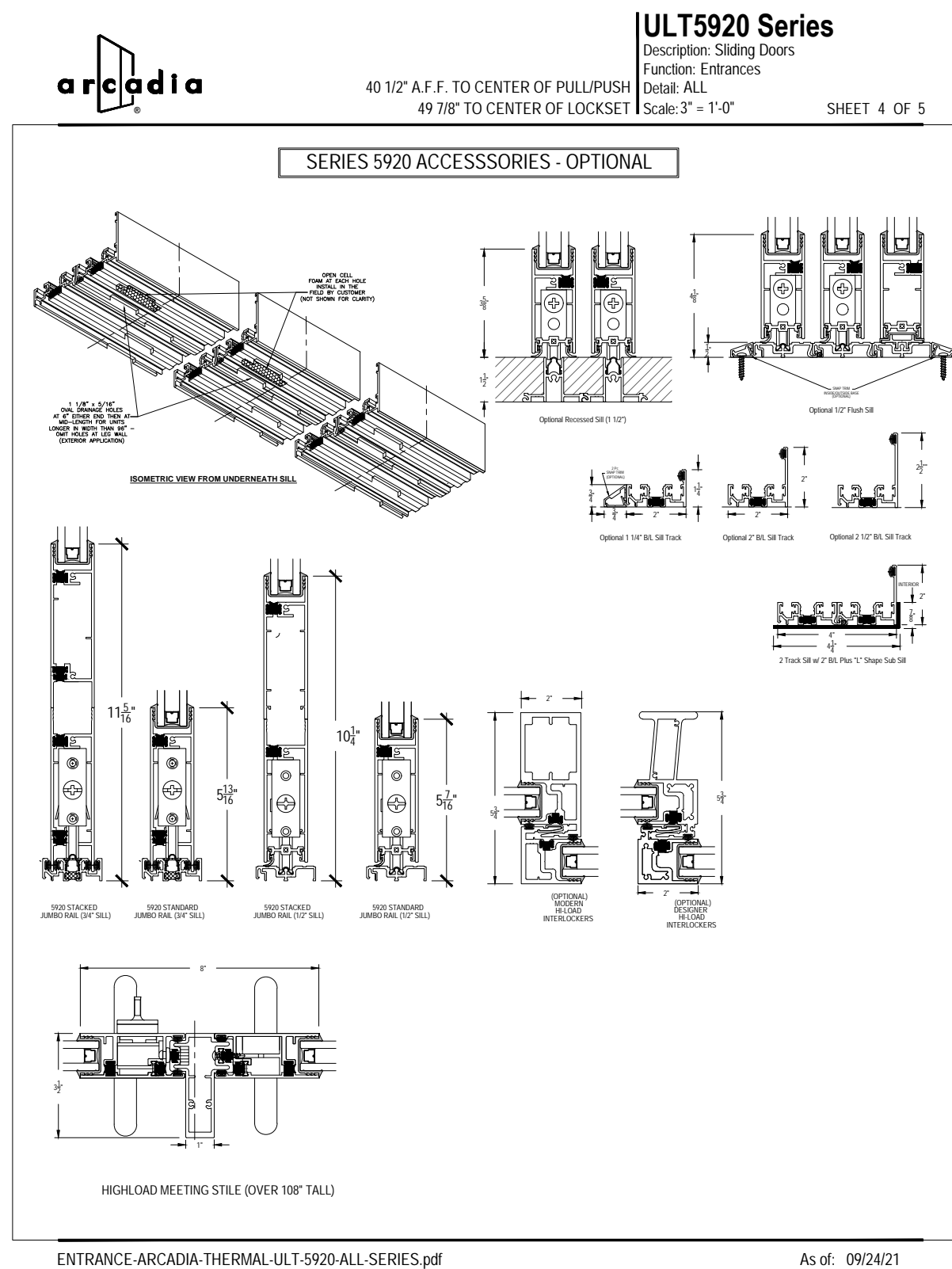
**Atlanta Botanical Gardens – Allen and Gail Hardin Visitors Center**  
Atlanta, Georgia  
ARCHITECT  
Jova/Daniels/Busby, Atlanta, Georgia  
GLAZING CONTRACTOR  
Snellville Glass Company Inc., Snellville, Georgia



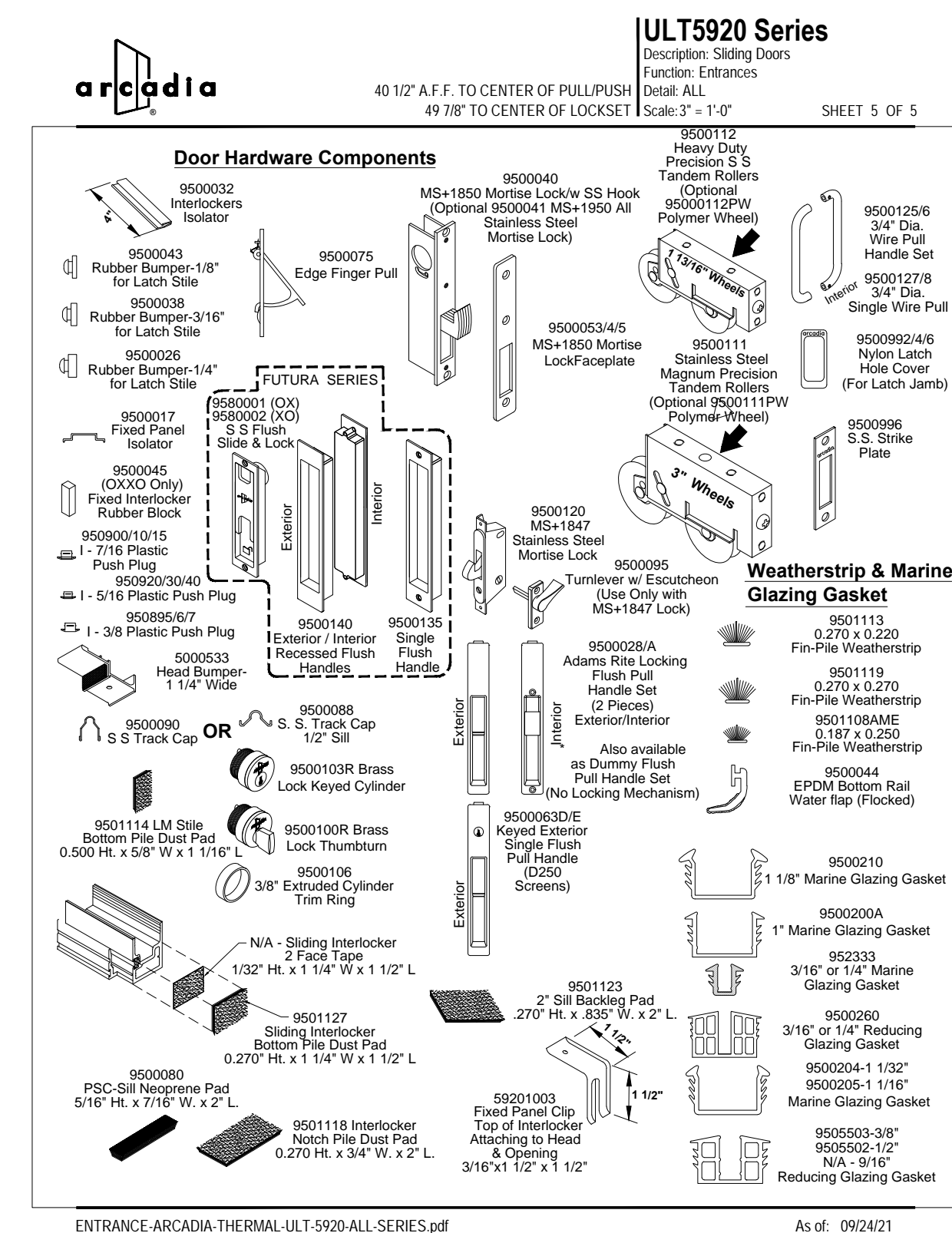
GLASSvent™ Window for Storefront Framing in closed (left) and open (right) positions



ENTRANCE-ARCADIA-THERMAL-ULT-5920-ALL-SERIES.pdf As of: 09/24/21



ENTRANCE-ARCADIA-THERMAL-ULT-5920-ALL-SERIES.pdf As of: 09/24/21



ENTRANCE-ARCADIA-THERMAL-ULT-5920-ALL-SERIES.pdf As of: 09/24/21



# Canopy Lighting

## Lumenwerx Pop Recessed 24"

Type: E1

PSU GATEWAY  
Lighting Spec Sheets, Land Use  
June 16th, 2023

### POP RECESSED

REGRESSED ROUND  
STATIC WHITE, BIOS ST/DV



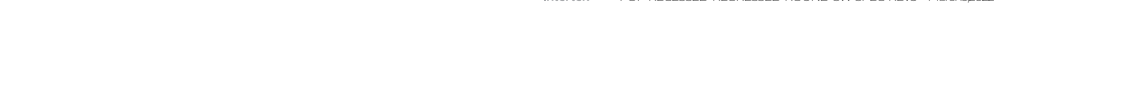
**DESCRIPTION**  
Pop Recessed Regressed Round is a flexible, elegant, low-glare luminaire available in four different sizes. Its innovative, precision-crafted Uniform Lambertian Optic (LUCO) allows all models to have a Uniform Glare Rating (UGR) of <math>+19</math>, beneficial for creating well-balanced, low-glare architectural spaces. The fixture can be integrated in various grid ceiling and gypsum board setups. Pop Recessed Round comes in Chromawerx Solis and Duo. Consult web pages for Chromawerx Solis, Duo, and Quadro solutions for Pop Regressed Round.

LUMENWERX

Project:	_____
Type:	_____

LUMINAIRE ID	SIZE	OPTIC	LIGHT SOURCE *	CSI	LUMEN PACKAGE
<b>PORRCRO</b> - Pop Recessed Regressed Round	12" diameter 24" diameter 36" diameter 48" diameter	ULD - Uniform Lambertian Optic	SW - Static white BIOSST - Static biologically optimized lighting BIOSDY - Dynamic biologically-optimized lighting	80+ 80 CSI 90+ 90 CSI	Low / BIOS L5000 lm L3000 lm L4500 lm L4000 lm

COLOR TEMP	VOLTAGE	DRIVER *	ELECTRICAL	MOUNTING	FINISH	OPTIONS
27K - 2700K 30K - 3000K 40K - 4000K	100V 277V 277V 120V 277V 347V	DI 1% 0-10V DA 1% DALI DA2 1% DALI LITEAW - Luton 1% - 2 wire FPI 10V LOR1 - Luton 1% Line 1% Eco	1 - Circuit EB1 - Emergency battery pack CRB - Custom transfer device CRD - Converter transfer device	CRB - Grid ceiling CRD - Drywall flush LOR1 - Drywall flush LOR2 - Flush	W - Matte white B - Matte black M - Matte chrome G - Gunmetal S - Silver BL - Bronze C - Copper P - Polished S - Satin F - Fluorescent H - High NA - None	FU20 - Fuse FU27 - Fuse FU30 - Fuse FU40 - Fuse



Performance  
Based on 3500K, 80 CSI, medium output

SIZE	TOTAL LUMENS	EFFICACY
12" diameter	690 lm	81 lm/W
24" diameter	2800 lm	81 lm/W
36" diameter	6200 lm	81 lm/W
48" diameter	10000 lm	81 lm/W

# Light Pole 15'

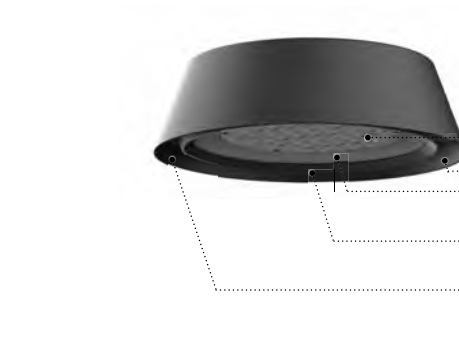
## Luminis CT185 Series Clermont

Type: E2

PSU GATEWAY  
Lighting Spec Sheets, Land Use  
June 16th, 2023

### LUMINIS

CT185 SERIES  
CLERMONT



CEILING SURFACE/PENDANT/CATENARY/WALL MOUNT/POLE MOUNT/POST TOP

TYPE	QUANTITY	PROJECT						
CATALOG NUMBER	MODEL	LED SELECTION	HEIGHT	CC1	VOLTAGE	FINISH	OPTION	OPTION

- Performance Series
- Corrosion resistant die-cast aluminum housing
- High efficiency LED light engine with acrylic optics
- Clear tempered glass
- All stainless steel hardware

**MATERIALS**  
Clermont is made of aluminum die-cast offering exceptional precision and durability. The main housing is sealed with durable gasket. Features a high efficiency LED light engine, mounted on a recessed heatsink whose pattern is optimized for heat dissipation. The driver is protected inside the main housing, sealed with proper gasket and secured with four captive screws which makes it easy for maintenance.

**ELECTRICAL**  
Standard driver is 0-10V dimming ready (dms to 10K) with 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C to +50°C, 400V to 151V, output over voltage protection, output over current protection and output short circuit protection with auto-recovery. Optional 36V/60V available.

LUMINIS | Toll free: 888.588.4647 | Fax: 514.685.8872 | Email: info@luminis.com  
260 Labrosse, Pointe-Claire (QC) Canada H9R 1L5

# Recessed - Above Door

## Lumenwerx Ubik Seal Recessed

Type: E3

PSU GATEWAY  
Lighting Spec Sheets, Land Use  
June 16th, 2023

### UBIK SEAL

RECESSED  
STATIC WHITE, FULL SPECTRUM



**DESCRIPTION**  
Sleek square form meets superb function in Ubik, a lighting family designed to provide a multitude of creative options. Ubik Seal Recessed is offered with a choice of three parabolic louvers: matte white, matte black, and matte silver. An additional gasketed clear polycarbonate lens is mounted on top of the louvers for extra protection. Ubik Seal Recessed comes in static white and full spectrum. For Chromawerx Solis and Duo, consult other spec sheet.

LUMENWERX

LUMINAIRE ID	DISTRIBUTION	OPTIC	LIGHT SOURCE *	CSI
<b>UBISEAR</b> - Ubi Seal Recessed	D - Direct	SW - Static white PS - Full spectrum	SW - Static white PS - Full spectrum	80+ 80 CSI 90+ 90 CSI 95+ 95 CSI

LUMEN PACKAGE	COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE	DRIVER *
S50 - Eco low output 500 lm S100 - Eco standard 1000 lm S150 - Medium output 1500 lm S200+ - High output 2000 lm	27 - 2700K 30 - 3000K 40 - 4000K	Standard luminaire lengths 5" (127 mm) 7" (178 mm) 12" (305 mm) 18" (457 mm) 24" (609 mm) 30" (762 mm) 36" (914 mm)	100V 277V 277V 120V 277V 347V	DI 1% 0-10V DA 1% DALI LITEAW* - Luton 1% - 2 wire FPI 10V LOR1* - Luton 1% Line 1% Eco LOR2* - Ultra High Output 10000 lm LOR3* - Ultra High Output 20000 lm

ELECTRICAL	ELECTRICAL SECTIONS (optional) **	MOUNTING	FINISH	OPTIONS
1 - Circuit EB1 - Flush circuit EB2 - Emergency powered fixture EB3 - High light fixture EB4 - Daylight fixture CRB - Converter transfer device	RECB - Emergency powered section RECA - Flush circuit RELA - High light section RELA+ - Converter transfer device section RELA+ - Emergency powered battery	TO - Regular 90° TB - Regular 90° TF - Flush 90° TR - Flush 90° TS - Flush 90° TD - Flush 90° DTL - Drywall trim DRT - Drywall trim DTM - Drywall trim	W - Matte white B - Matte black M - Matte chrome G - Gunmetal S - Silver BL - Bronze C - Copper P - Polished S - Satin F - Fluorescent H - High NA - None	FU20 - Fuse FU27 - Fuse FU30 - Fuse FU40 - Fuse CR - Conversion transfer device CDS - Conversion transfer device NA - None



# Bollard Lighting

## BEGA Shielded Bollard

Type: E4

PSU GATEWAY  
Lighting Spec Sheets, Land Use  
June 16th, 2023

Shielded bollard - asymmetric wide beam

BEGA

**Application**  
The fully shielded design of this bollard provides visual comfort while illuminating ground surfaces. Provided with mounting system that allows the luminaire to be adjusted independent of anchor bolt orientation.

**Materials**  
Luminaire housing constructed of die-cast marine grade, copper free (0.2% copper content) A505.0 aluminum alloy.  
Clear safety glass.  
Reflector made of pure anodized aluminum.  
Silicone applied robotically in casting, silica treated for increased adhesion.  
NETL tested to North American Standards, suitable for wet locations.  
Protection class IP65.  
Weight: 12.8 lbs.

**Electrical**  
Operating voltage: 120-277V AC  
Minimum start temperature: -30° C  
LED module wattage: 11.5 W  
System wattage: 15.0 W  
Controlability: 0-10V, TRIAC, and ELV dimmable  
Color rendering index: Ra > 80  
Luminaire lifetime: 147,500 hours (A000K)  
LED service life (L70): 50,000 hours

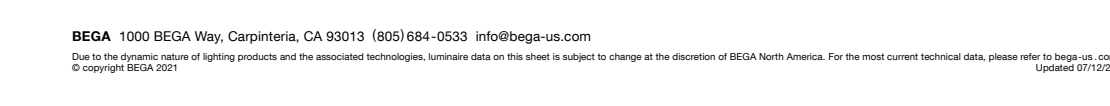
**LED color temperature**  
4000K - Product number + K4  
3500K - Product number + K35  
3000K - Product number + K3  
2700K - Product number + K27  
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details.

**Finish**  
All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidura® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White, as well as optionally available RAL and custom colors, are a polyester powder.

Available colors: Black (BLK) White (WH) RAL:  
Bronze (BRZ) Silver (SLV) CUS:

Type:  
BEGA Product:  
Project:  
Modified:

Available options  
70895 Direct burial anchorage



Shielded bollard - asymmetric wide beam	LED	A	B	Anchor
4420	11.5 W	6 V	37"	79877

BEGA 1000 BEGA Way, Carpinteria, CA 93013 | (805)684-0533 | info@bega-us.com  
Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most recent technical data, please refer to bega-us.com or contact BEGA USA.

# Workyard Catenary Lights

## Landscape Forms Tumbler

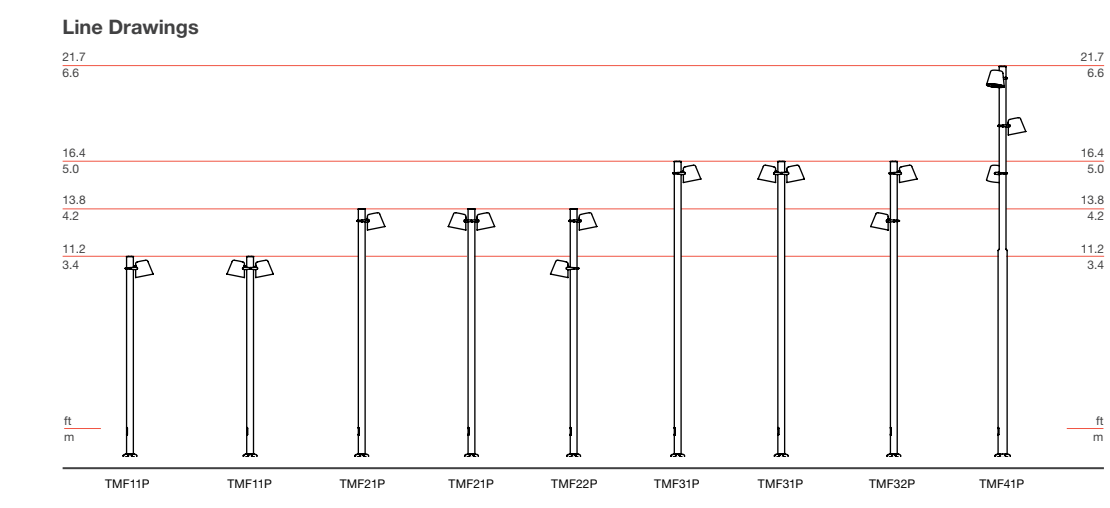
Type: E5

PSU GATEWAY  
Lighting Spec Sheets, Land Use  
June 16th, 2023

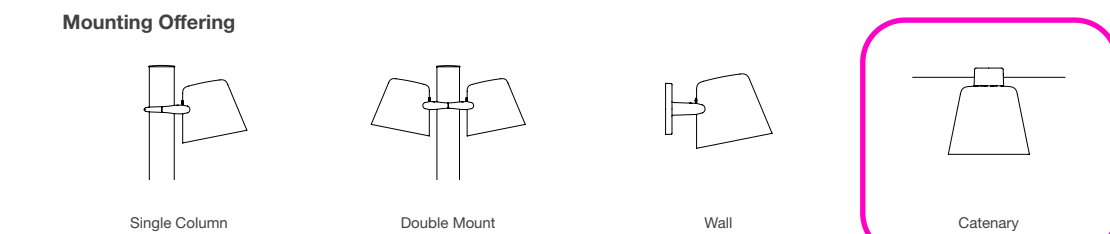
### Tumbler

Product Data Sheet | TML

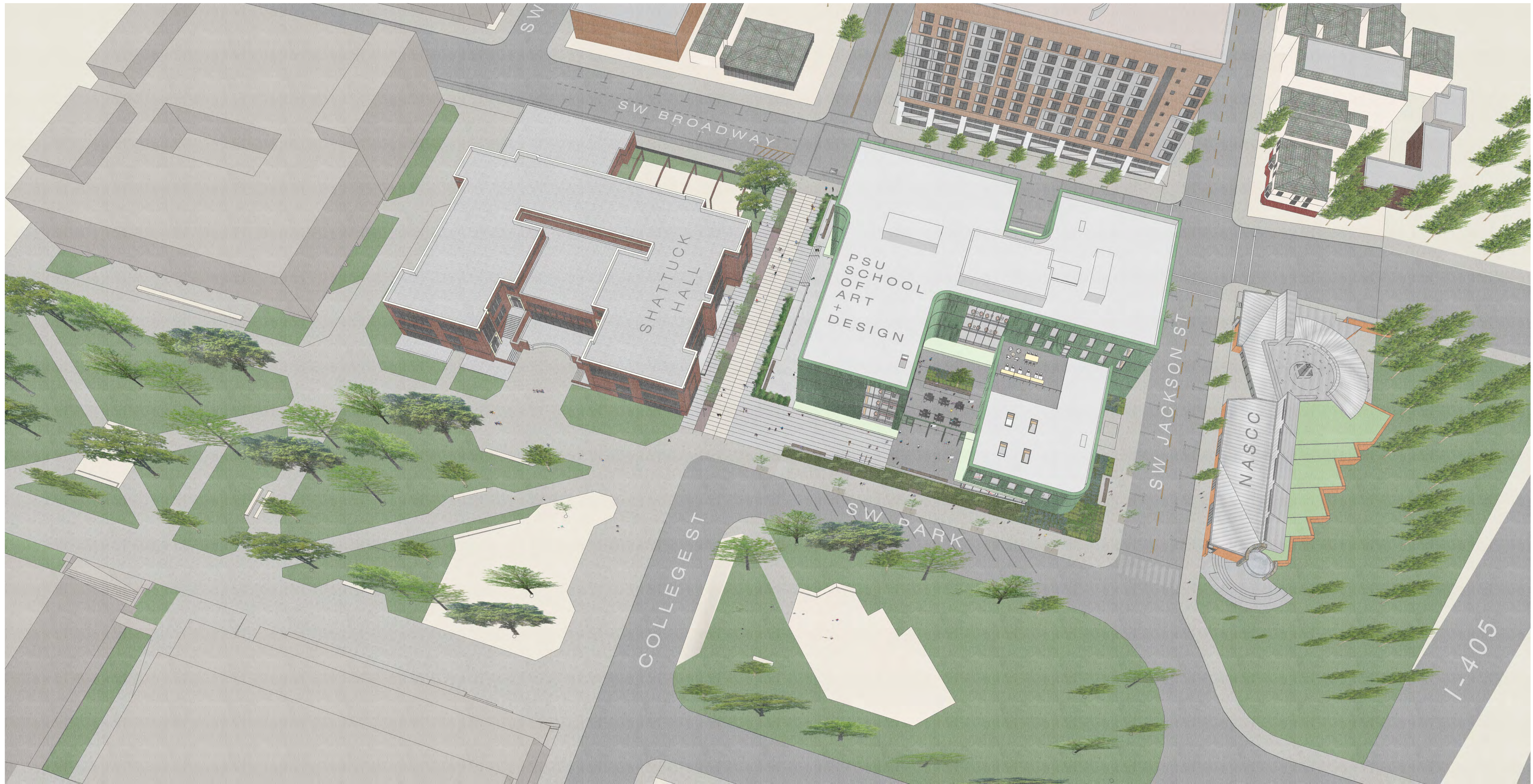
landscape forms



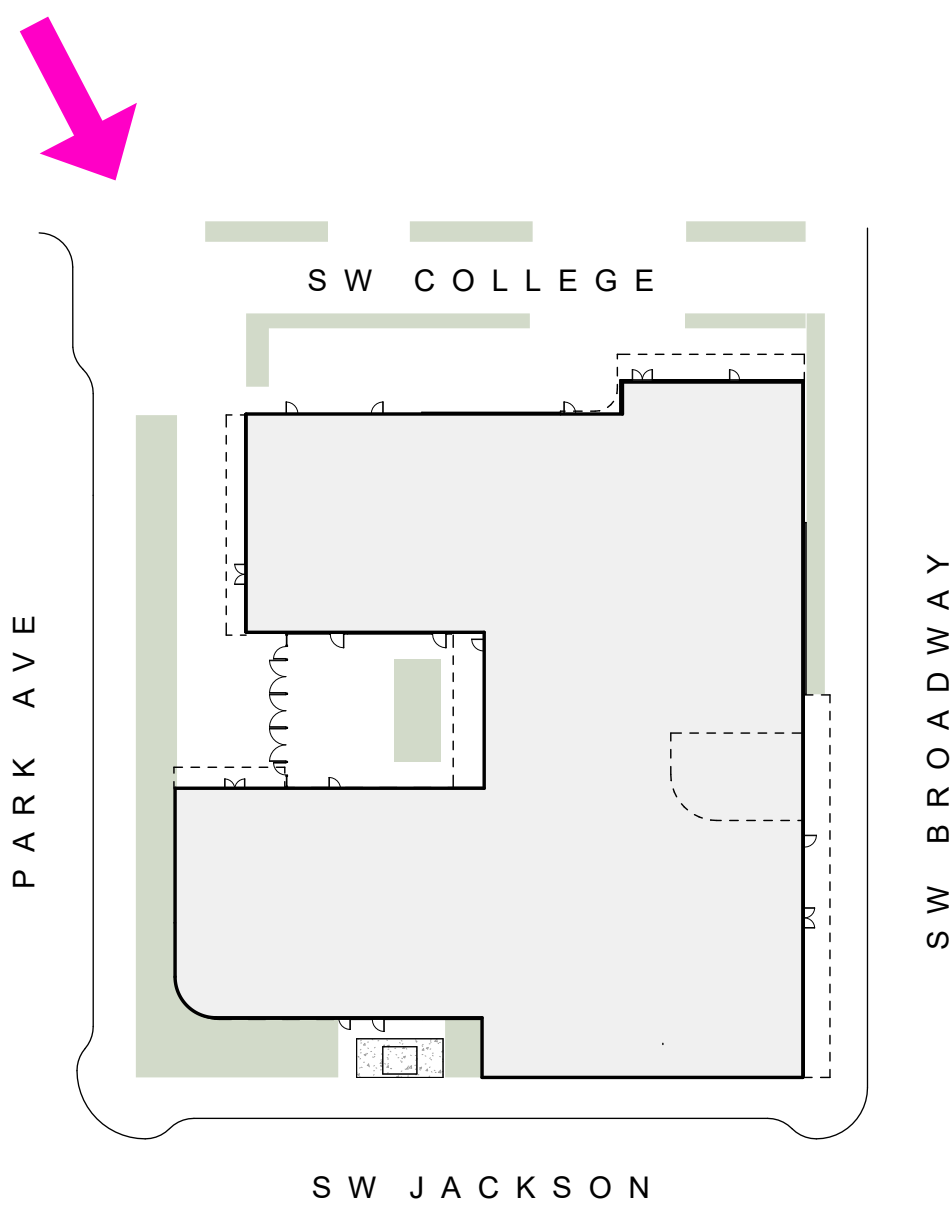
**Pole Description**  
Round pole is 4.5" and manufactured from seamless 6061 aluminum tubing and heat treated to produce a T6 temper. Nominal wall thickness is 0.125". Flush mounted hand hole cover includes two magna-coated fasteners.







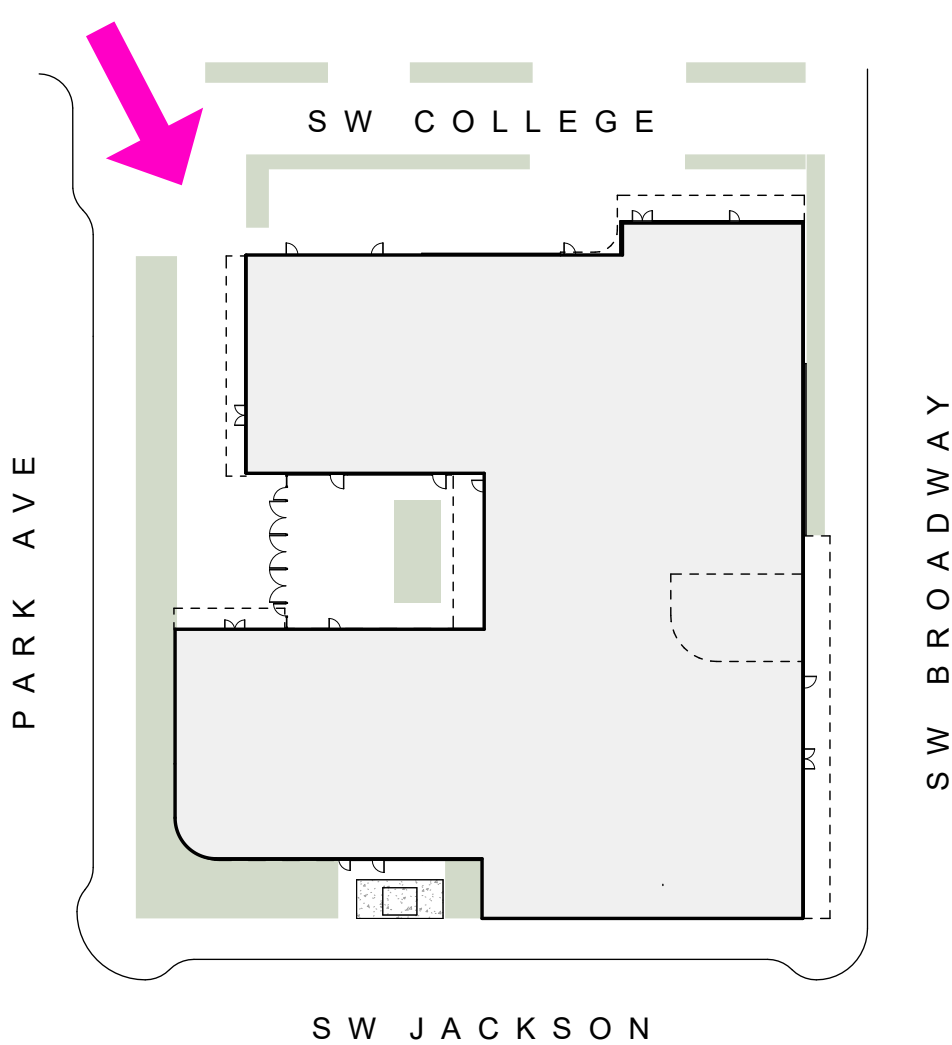




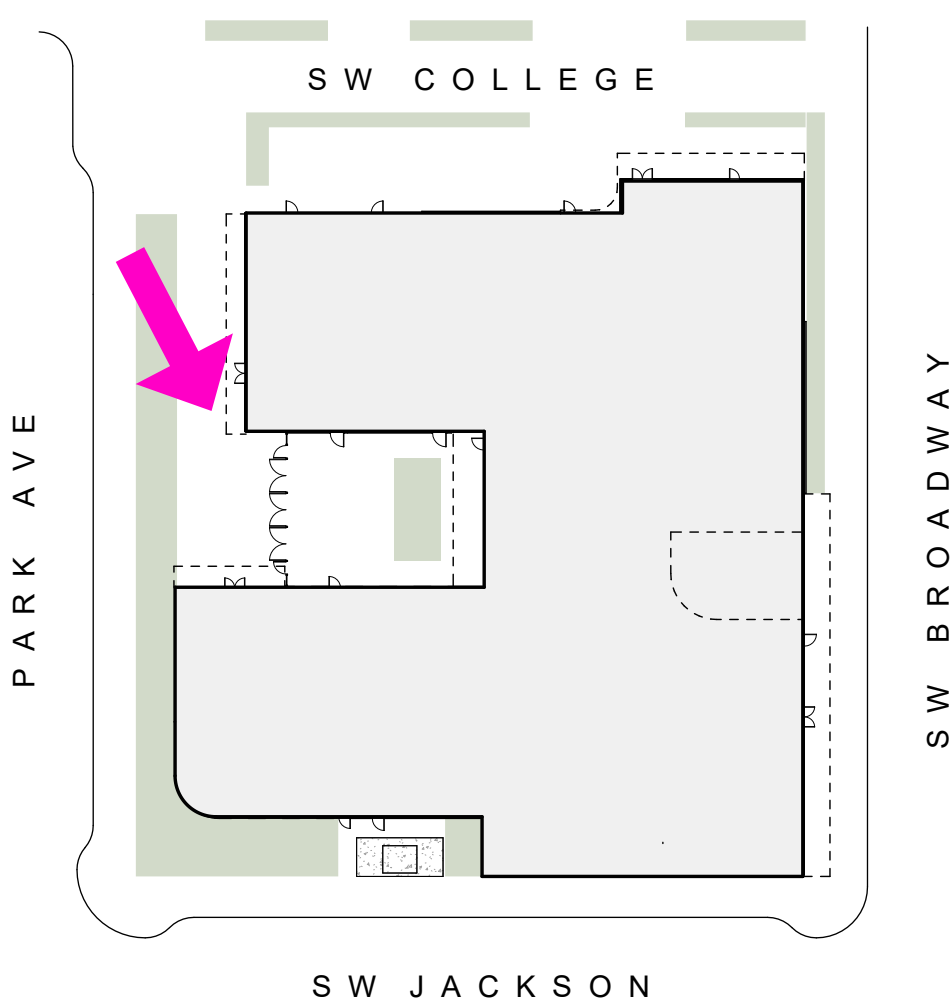








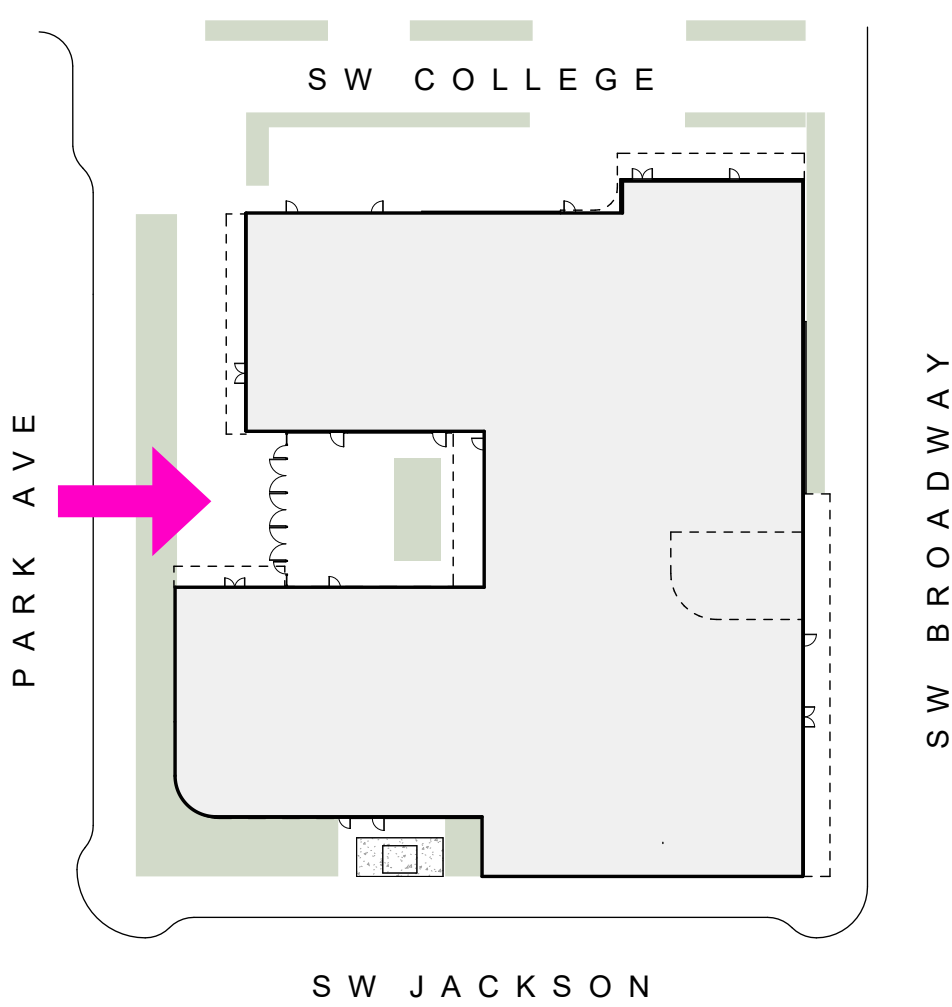




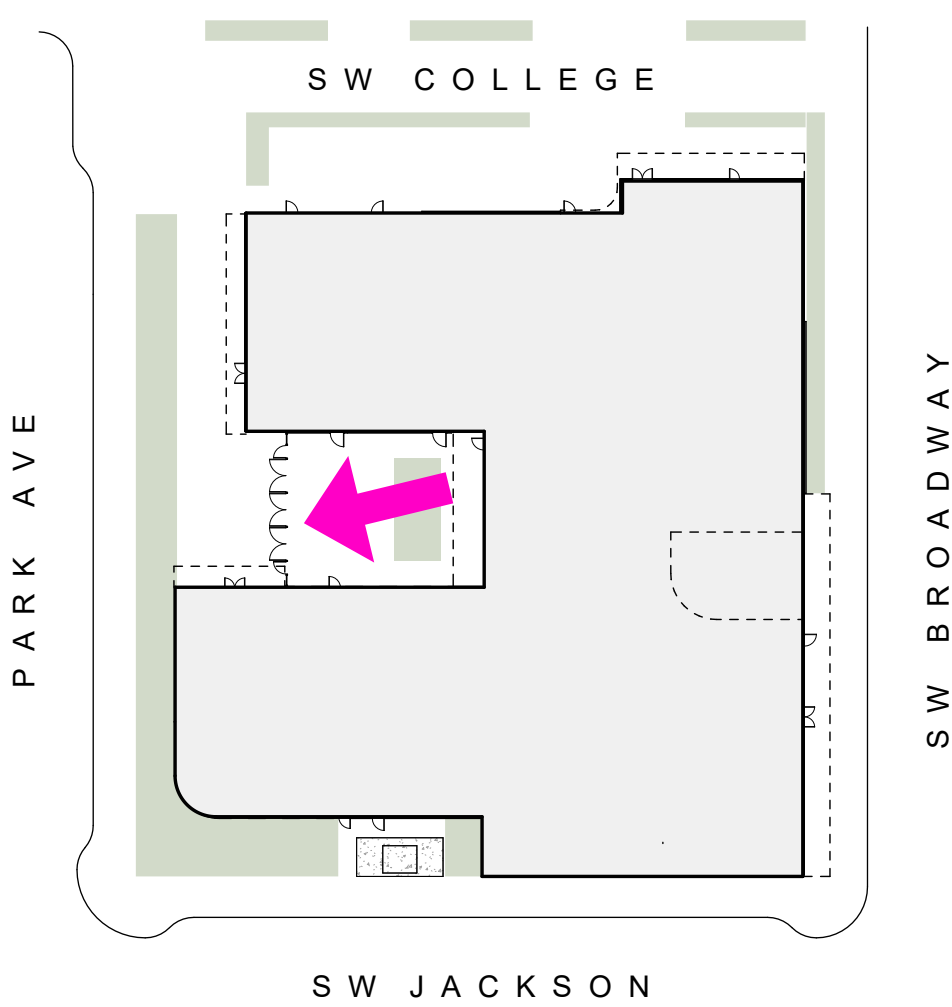




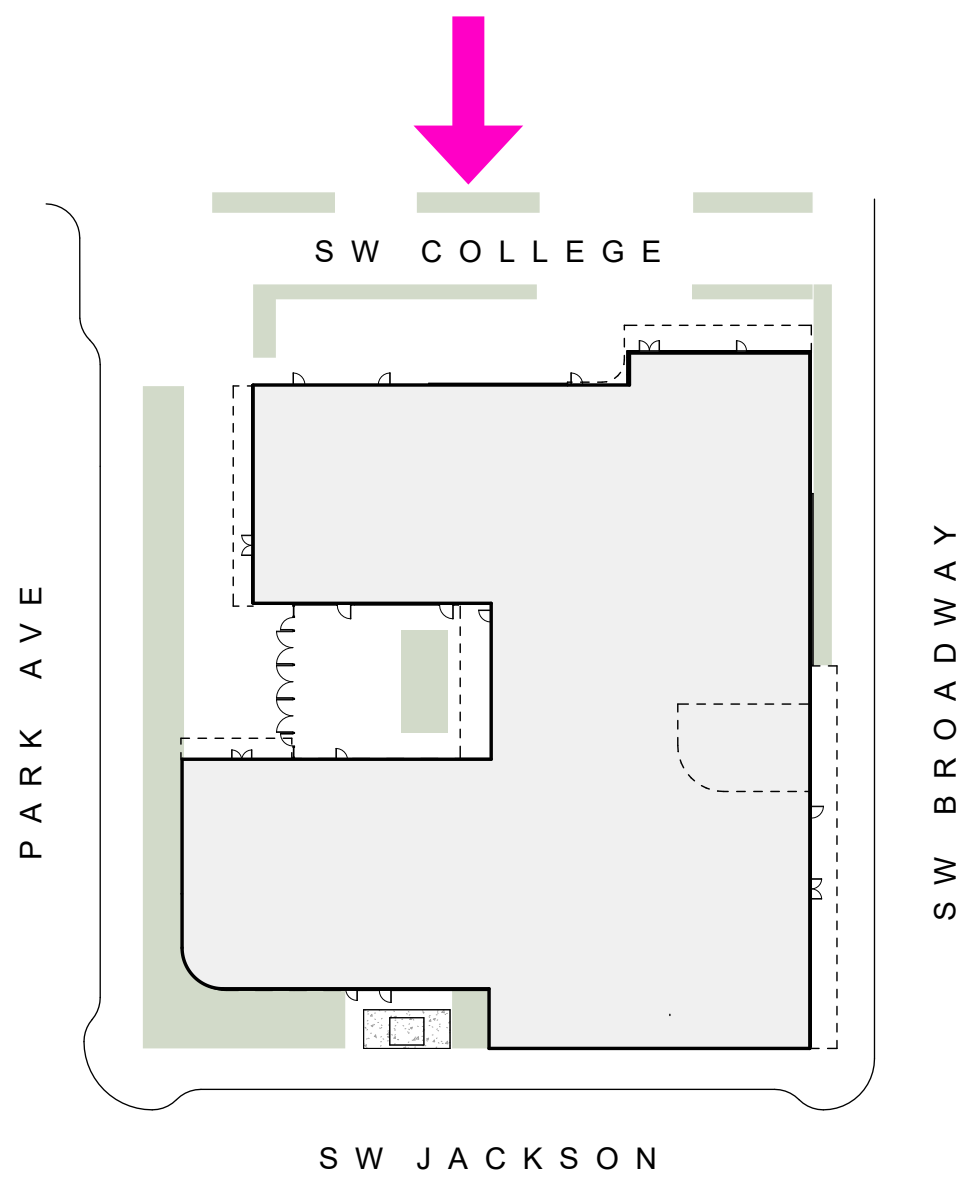




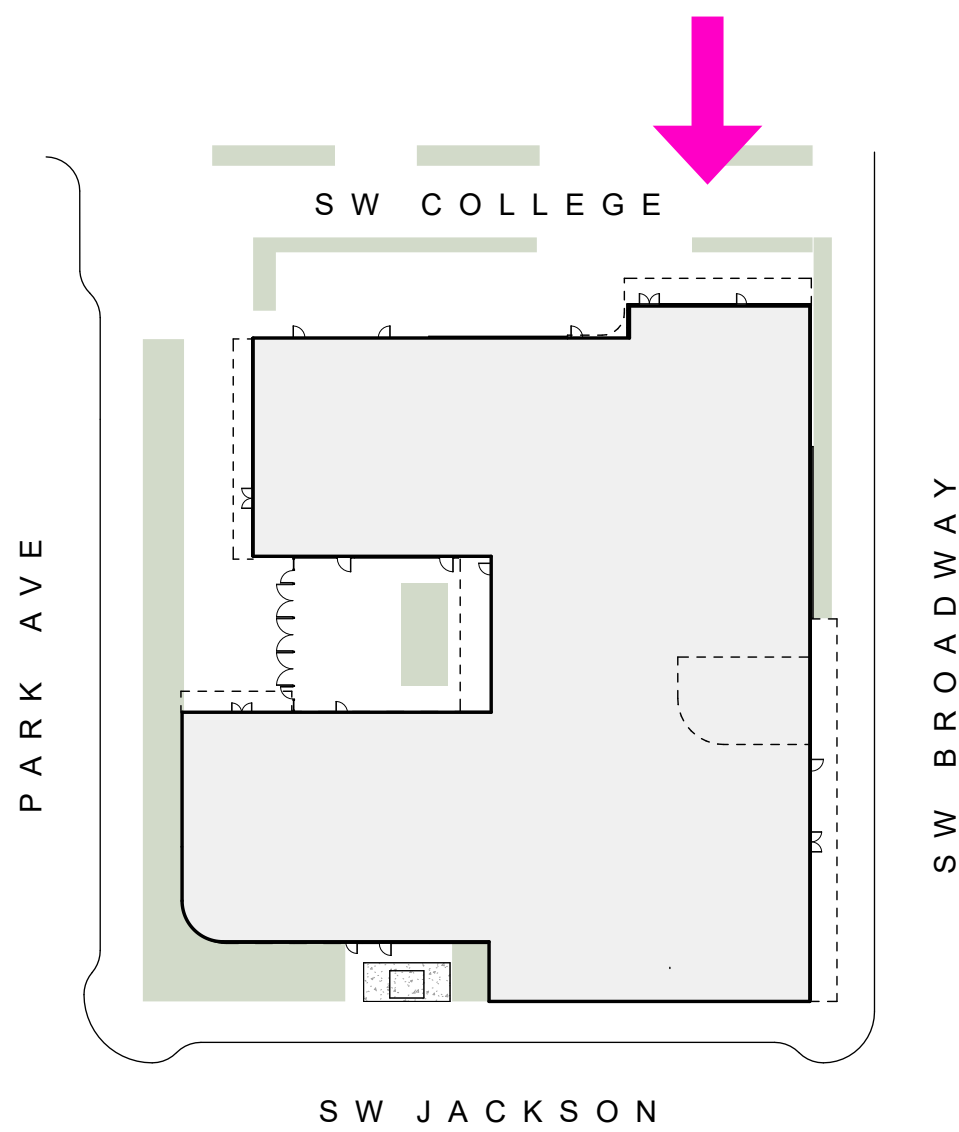








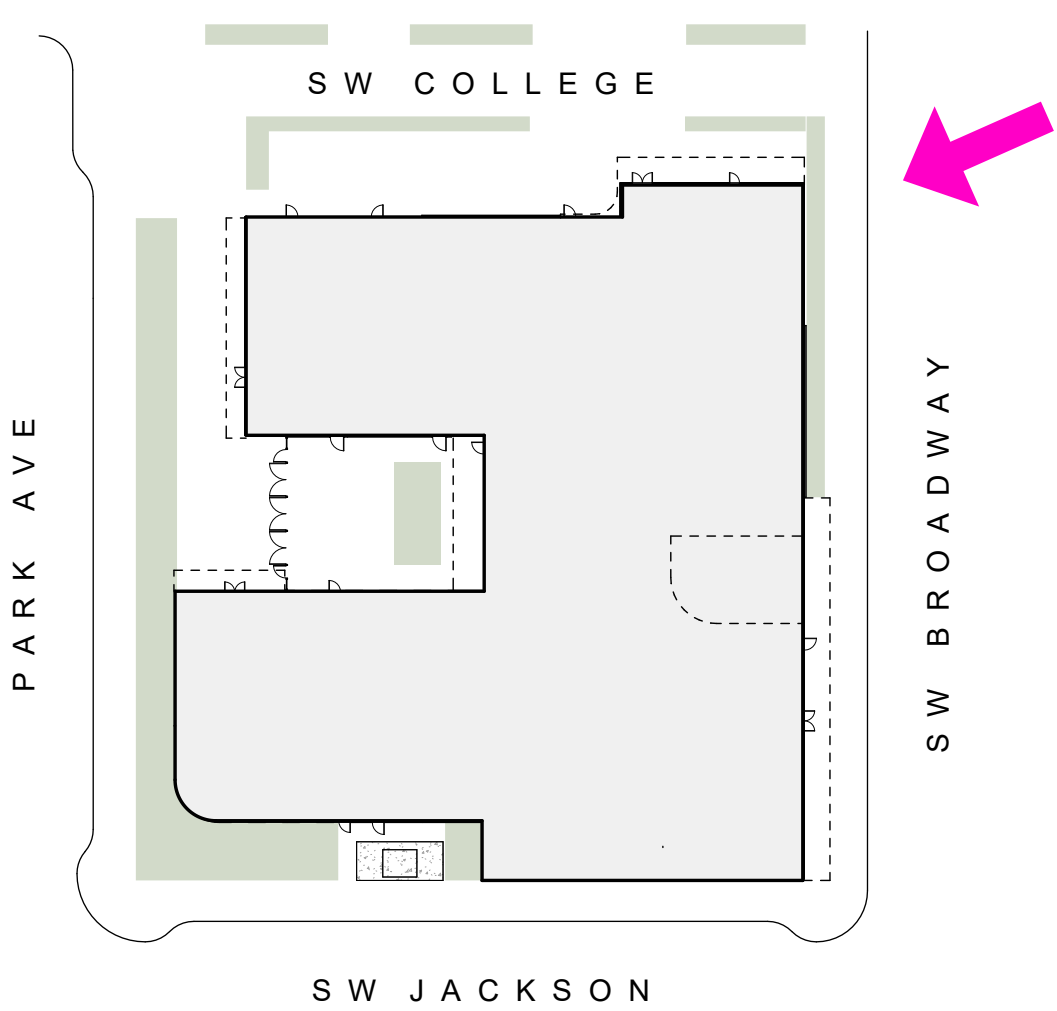




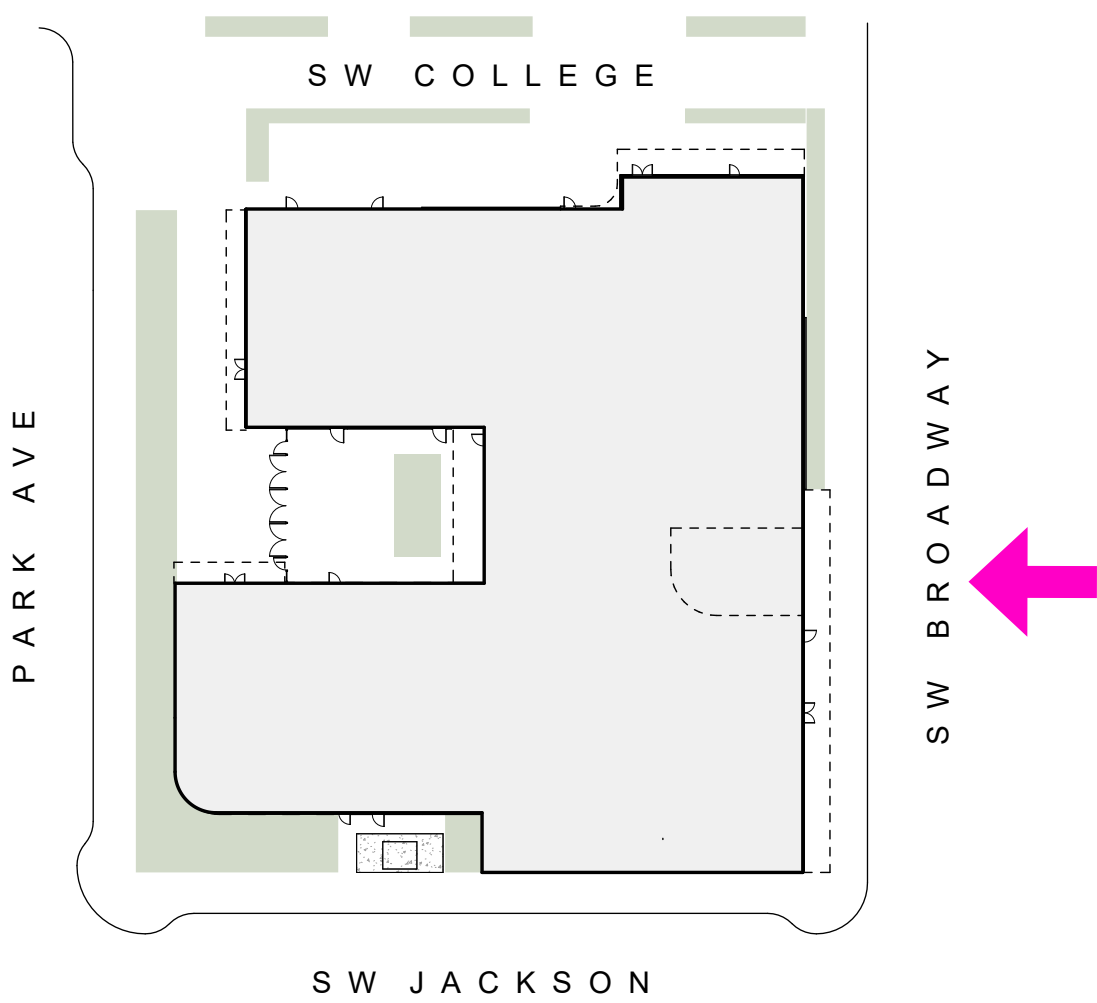




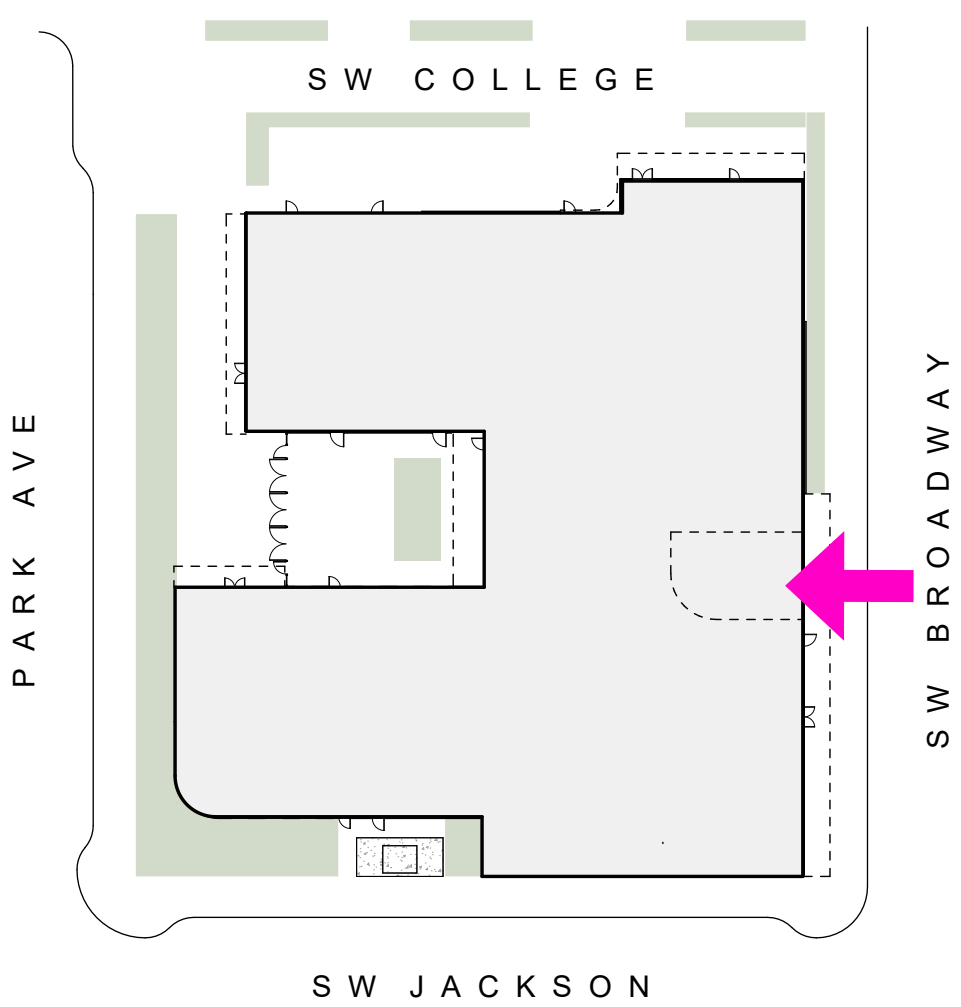




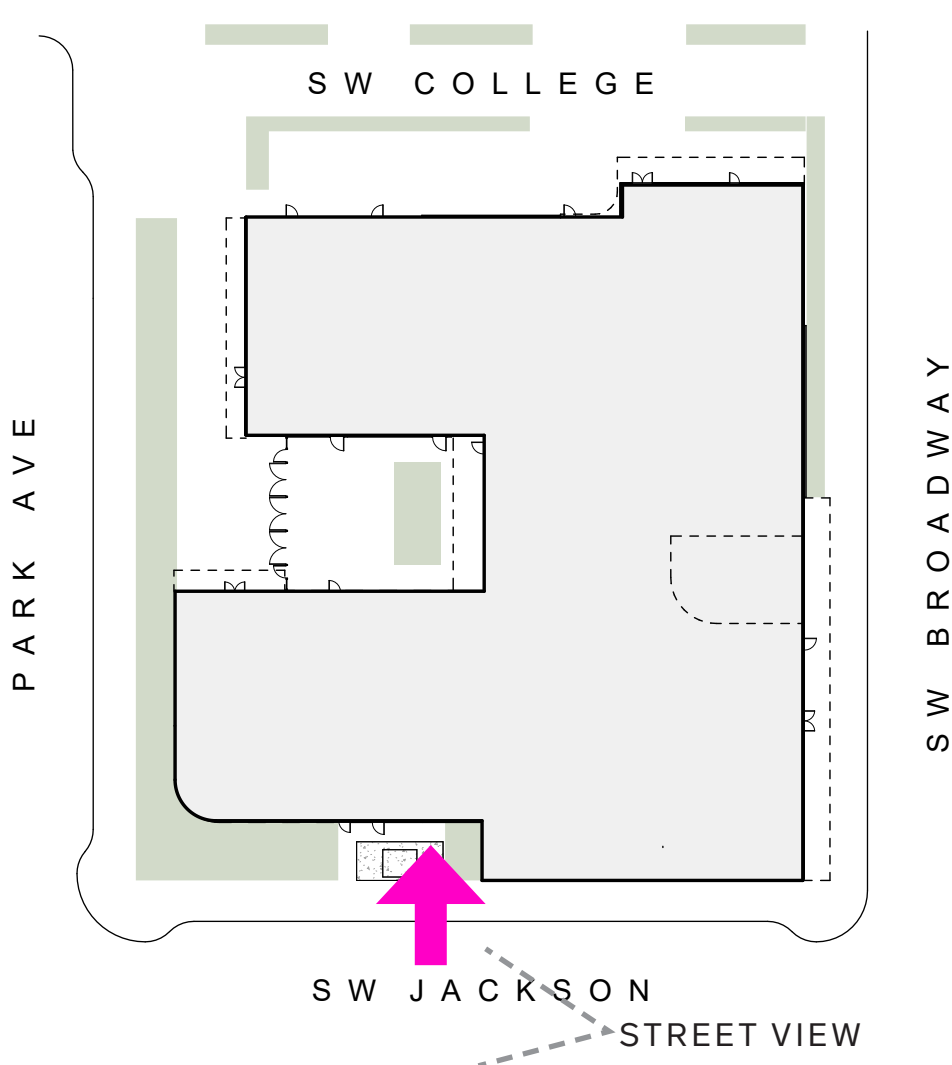




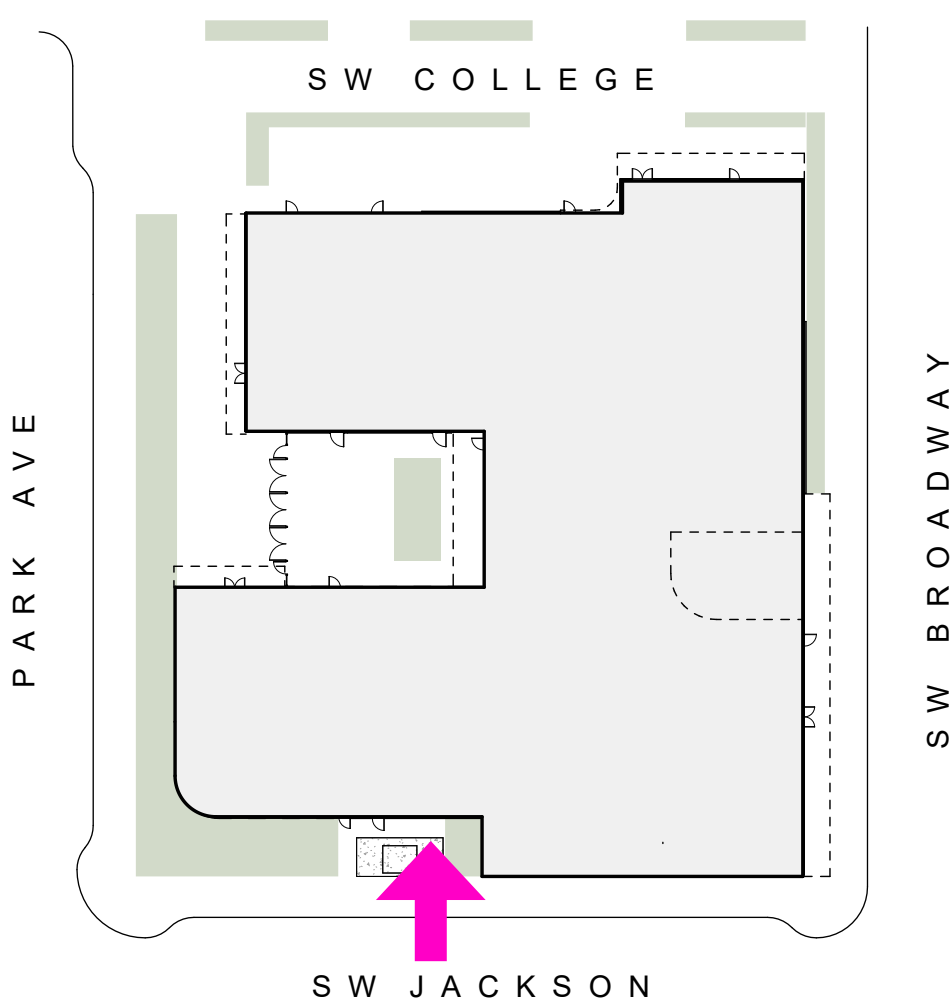




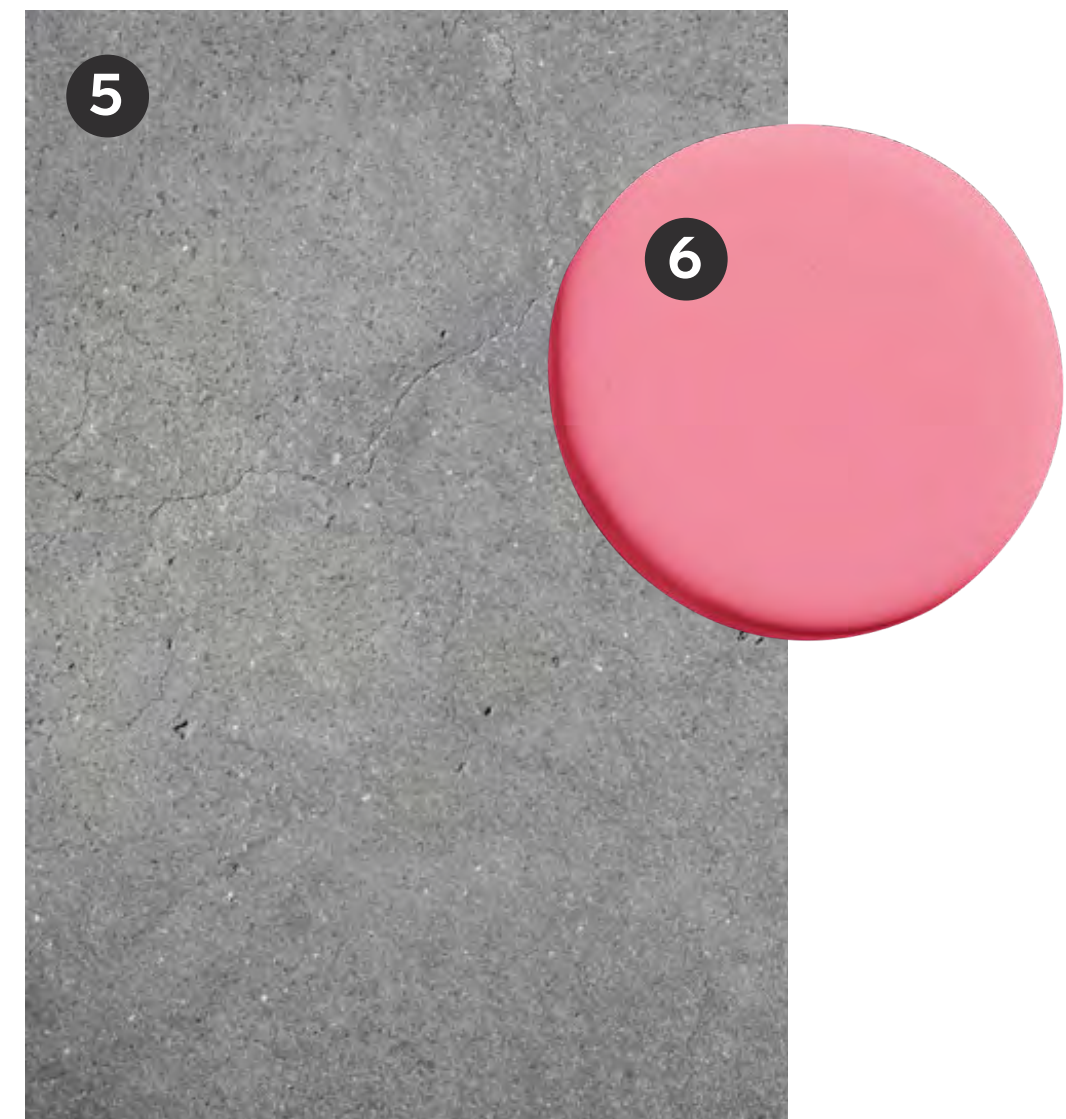




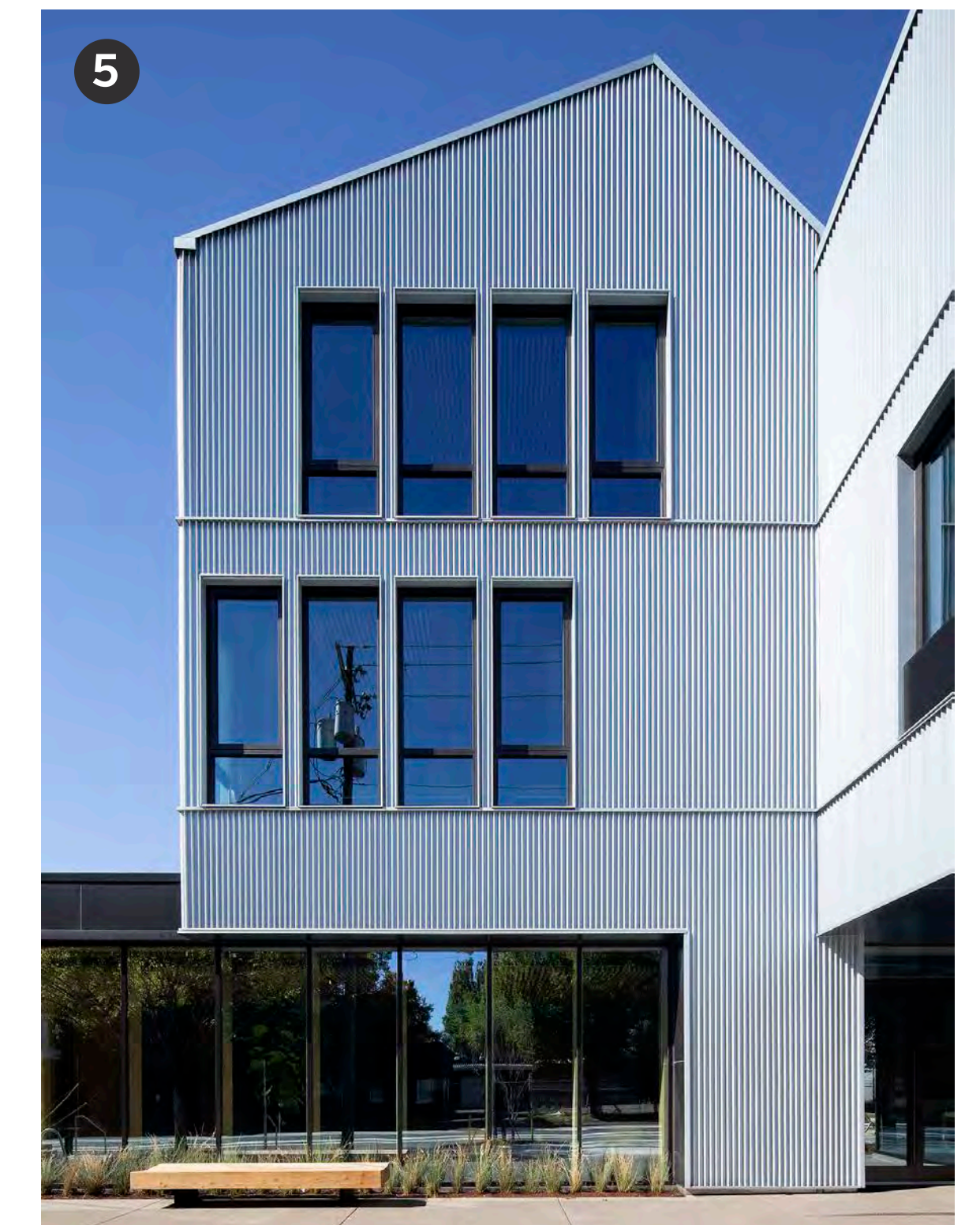
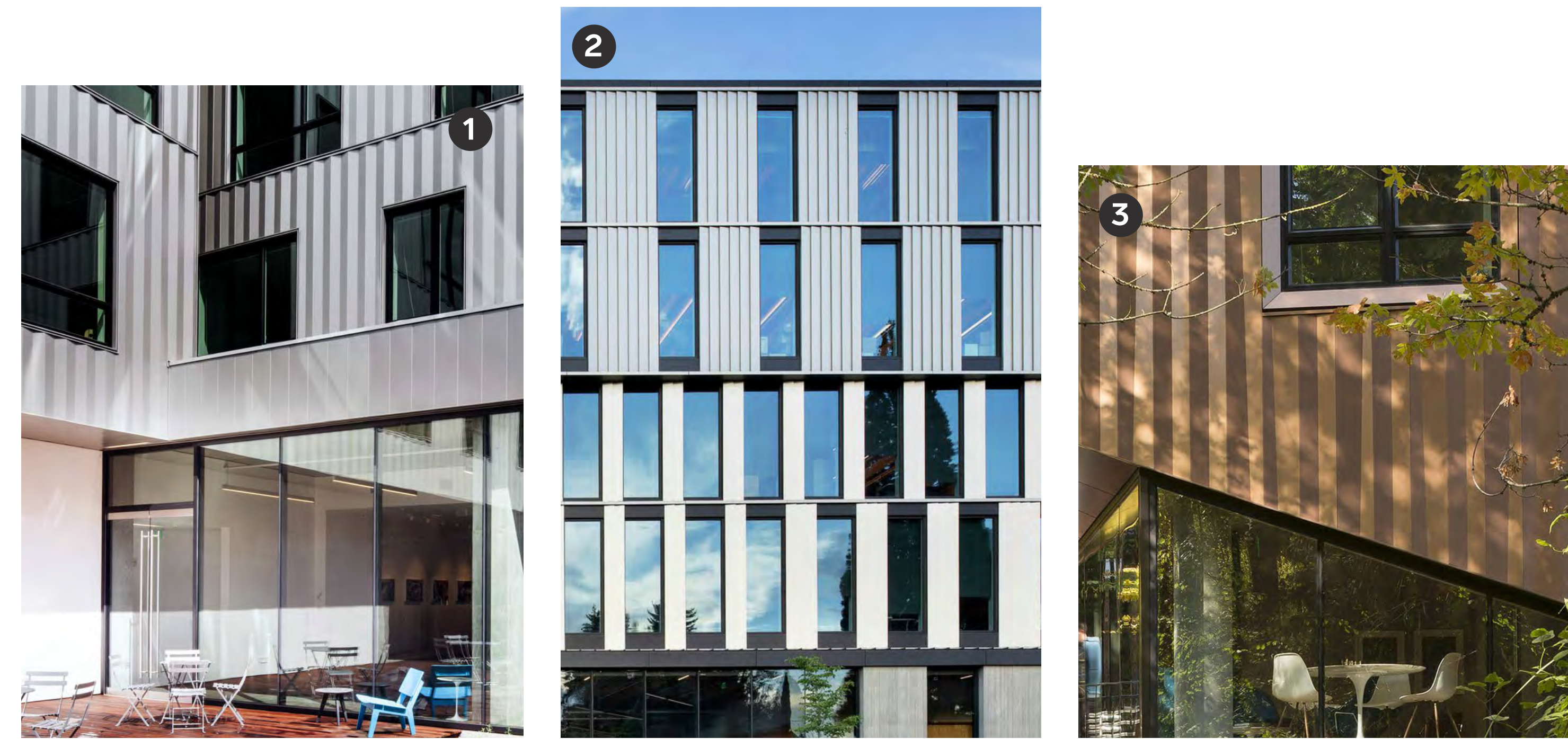








- 1 Metal panel with deep profile, second image illustrates curved facade condition
- 2 Metal canopy fascia
- 3 Aluminum window frame
- 4 Timber structure
- 5 Concrete floors
- 6 Color for interior steel brace frames & stairs



**Formed Metal Facades  
Lever Architecture Examples in Portland**

- 1 PNCA Art House
- 2 Adidas North America HQ
- 3 Oregon Health and Science University Housing
- 4 The Nature Conservancy
- 5 Meyer Memorial Trust





**Northwest District**

**Pearl District**

**Old Town**

**Goose Hallow**

**Buckman**

**Downtown Portland Neighborhood**

*South Park Blocks*

**Site**

**Hosford Abernethy**

**Southwest Hills**

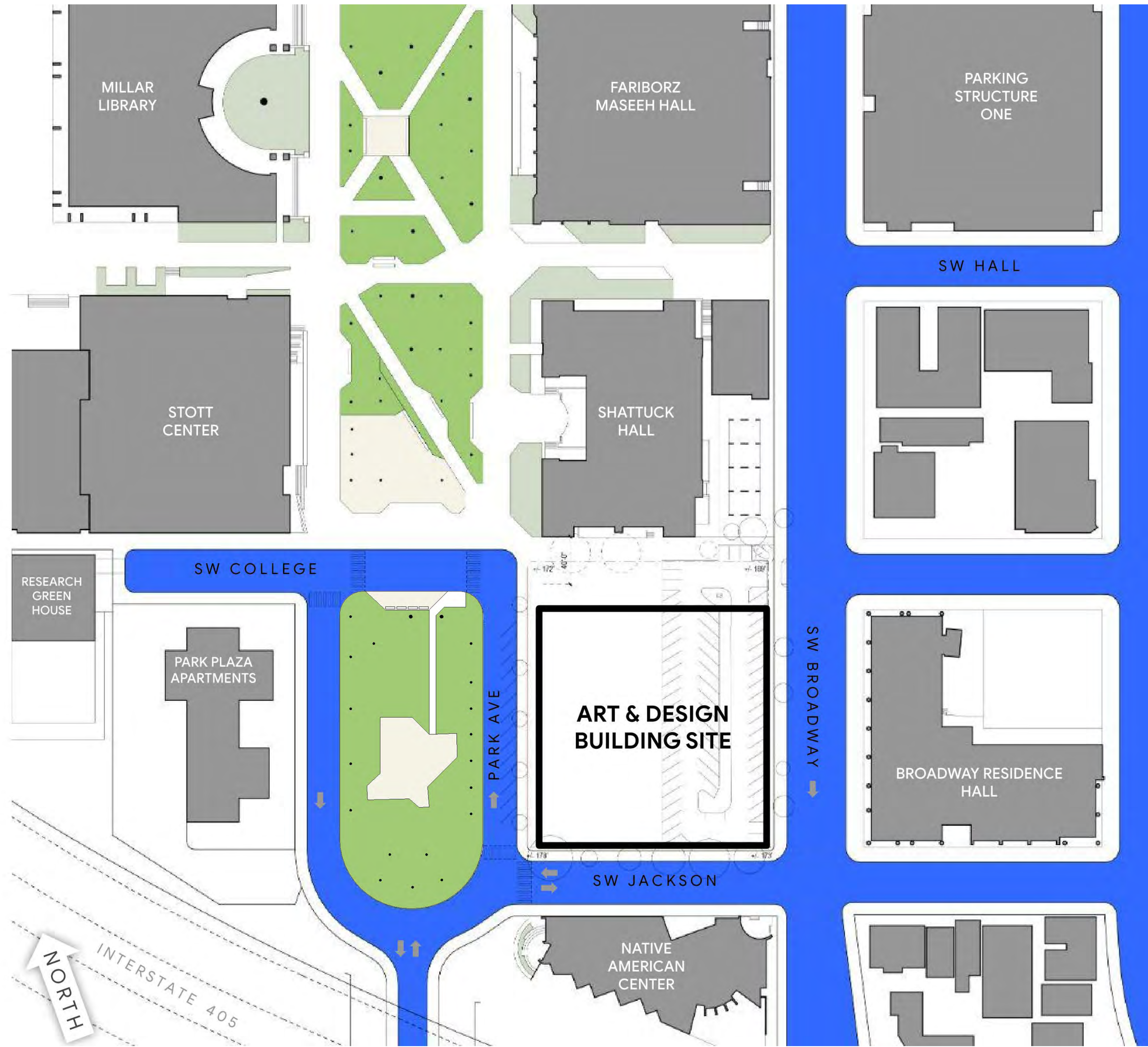
**South Portland**







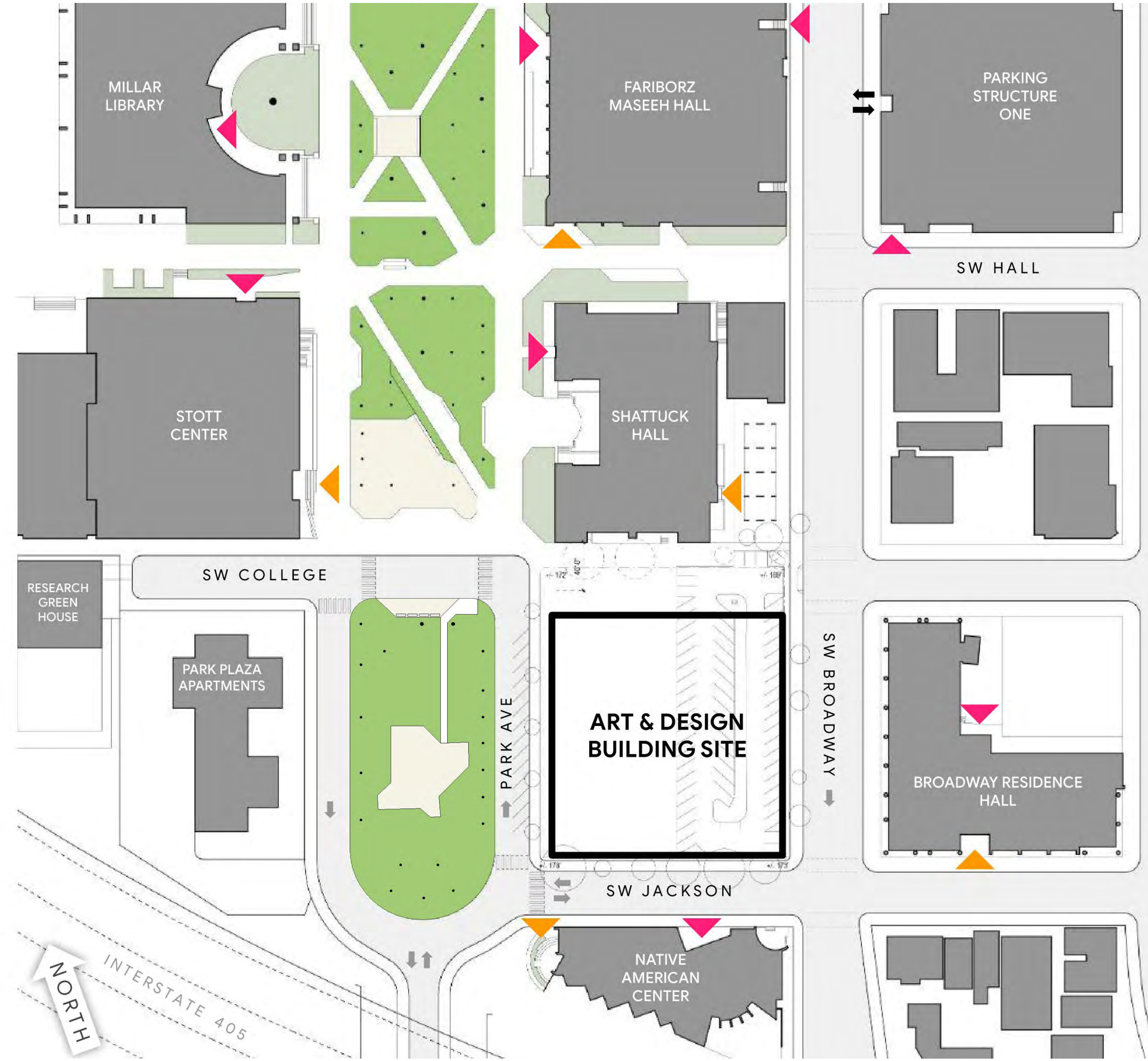


- VEHICULAR STREETS
- PEDESTRIAN ACCESS

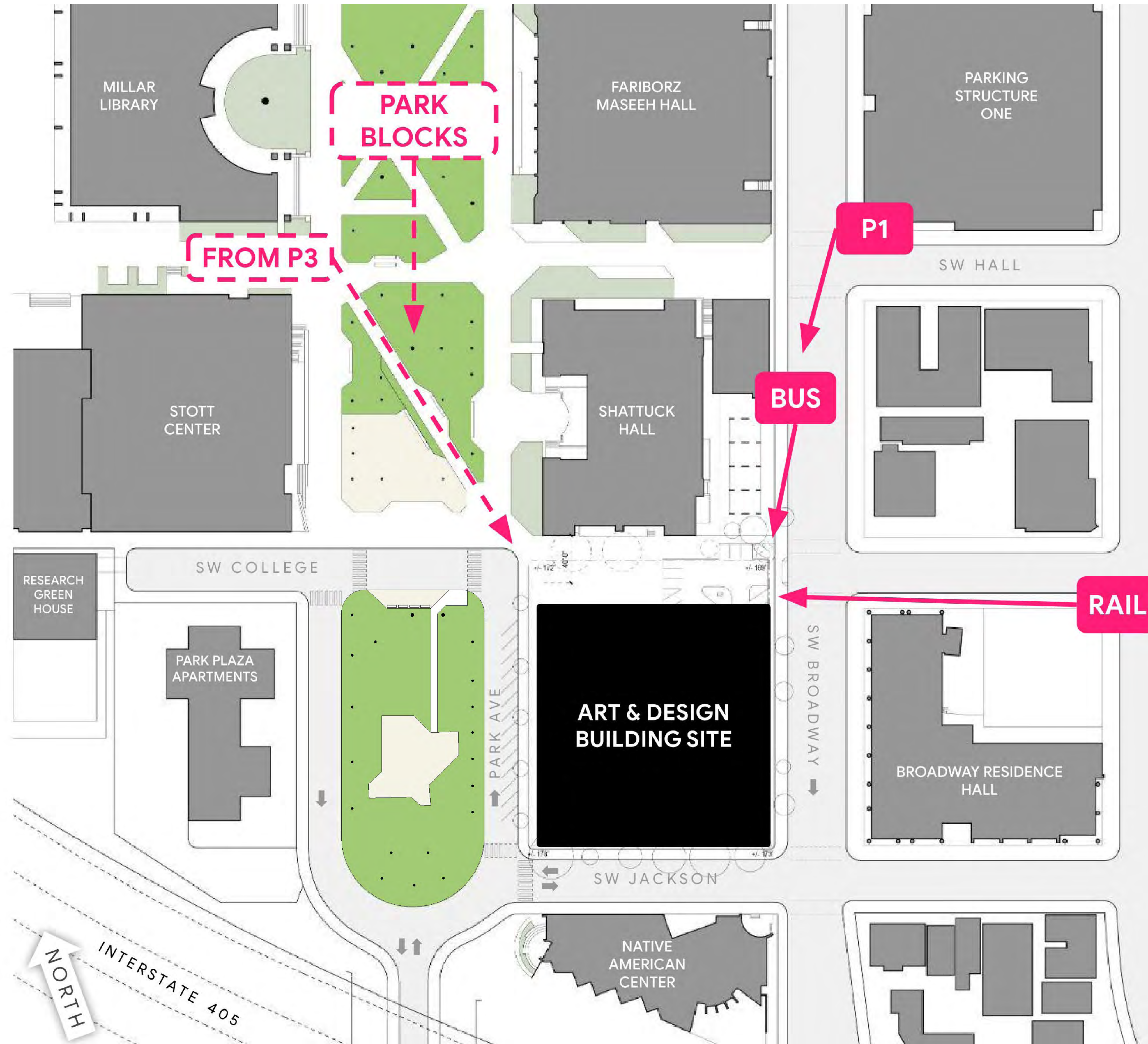




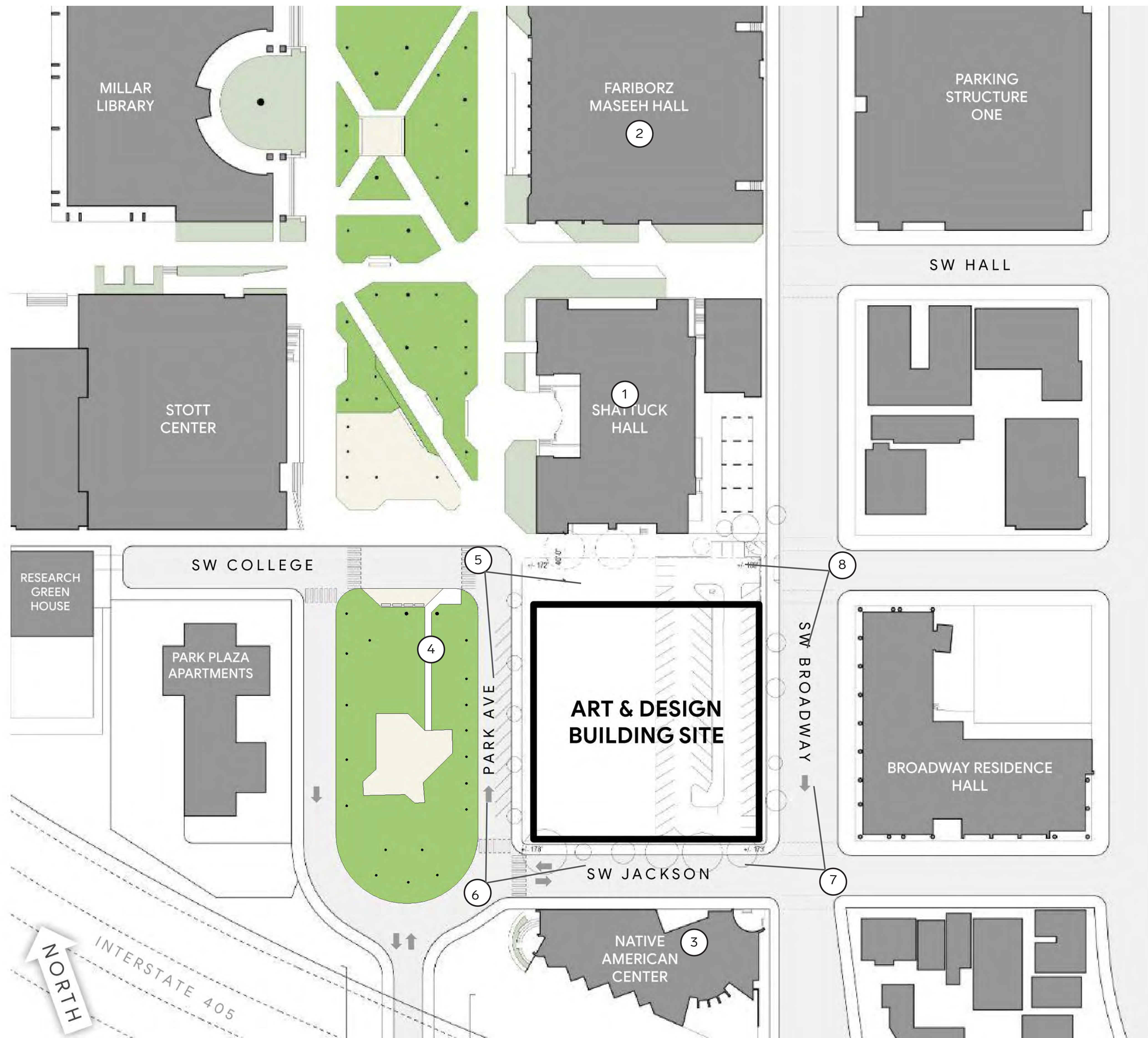
-  ENTRY PRIMARY USE
-  ENTRY SECONDARY USE















1

SHATTUCK HALL



2

FARIBORZ MASEEH HALL



3

NATIVE AMERICAN STUDENT & COMMUNITY CENTER



4

SOUTH PARK BLOCKS





5

FROM PARK AVE AND COLLEGE ST



6

FROM PARK AVE AND JACKSON ST



7

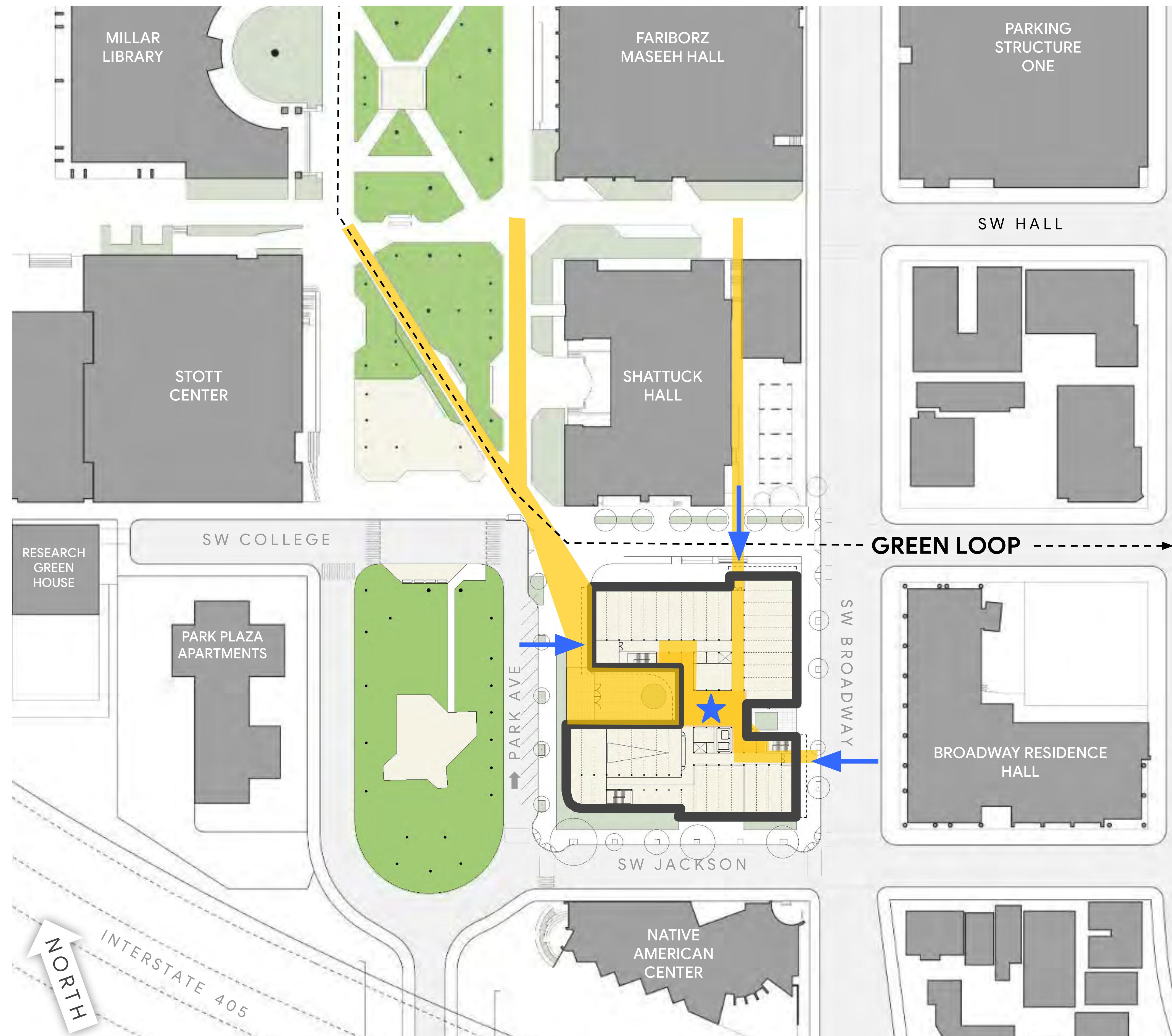
FROM JACKSON ST AND BROADWAY



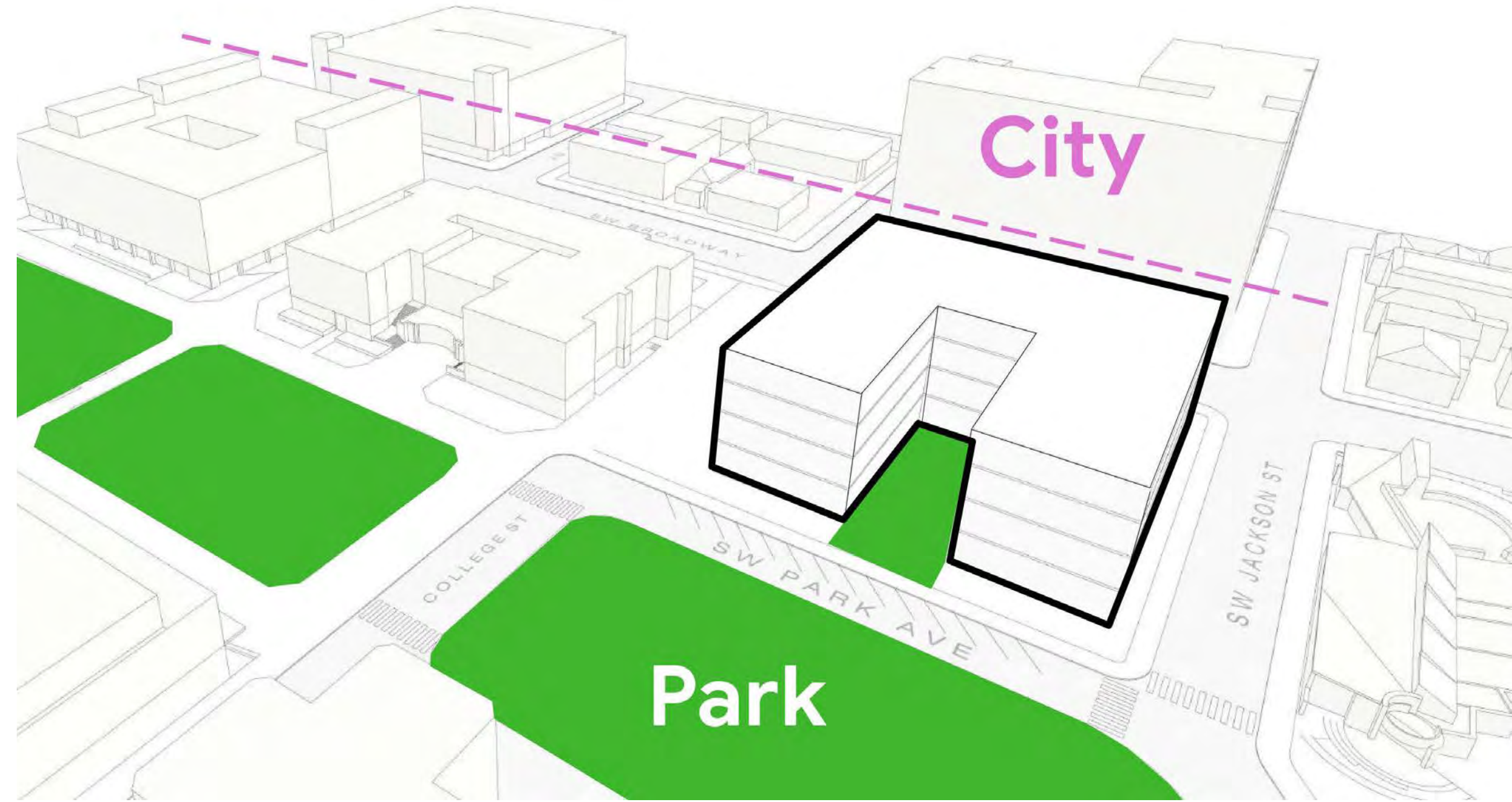
8

FROM BROADWAY AND COLLEGE ST

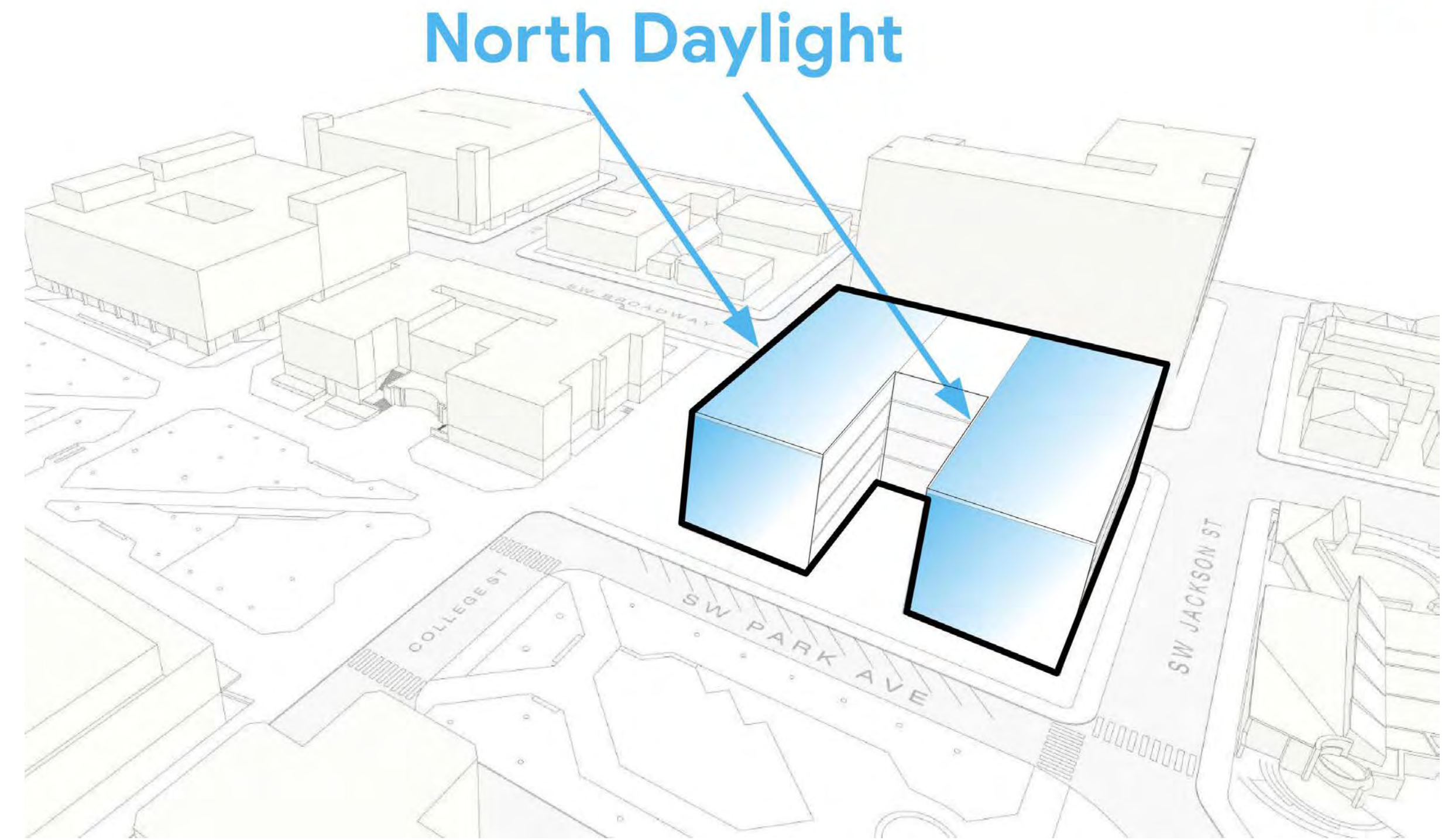




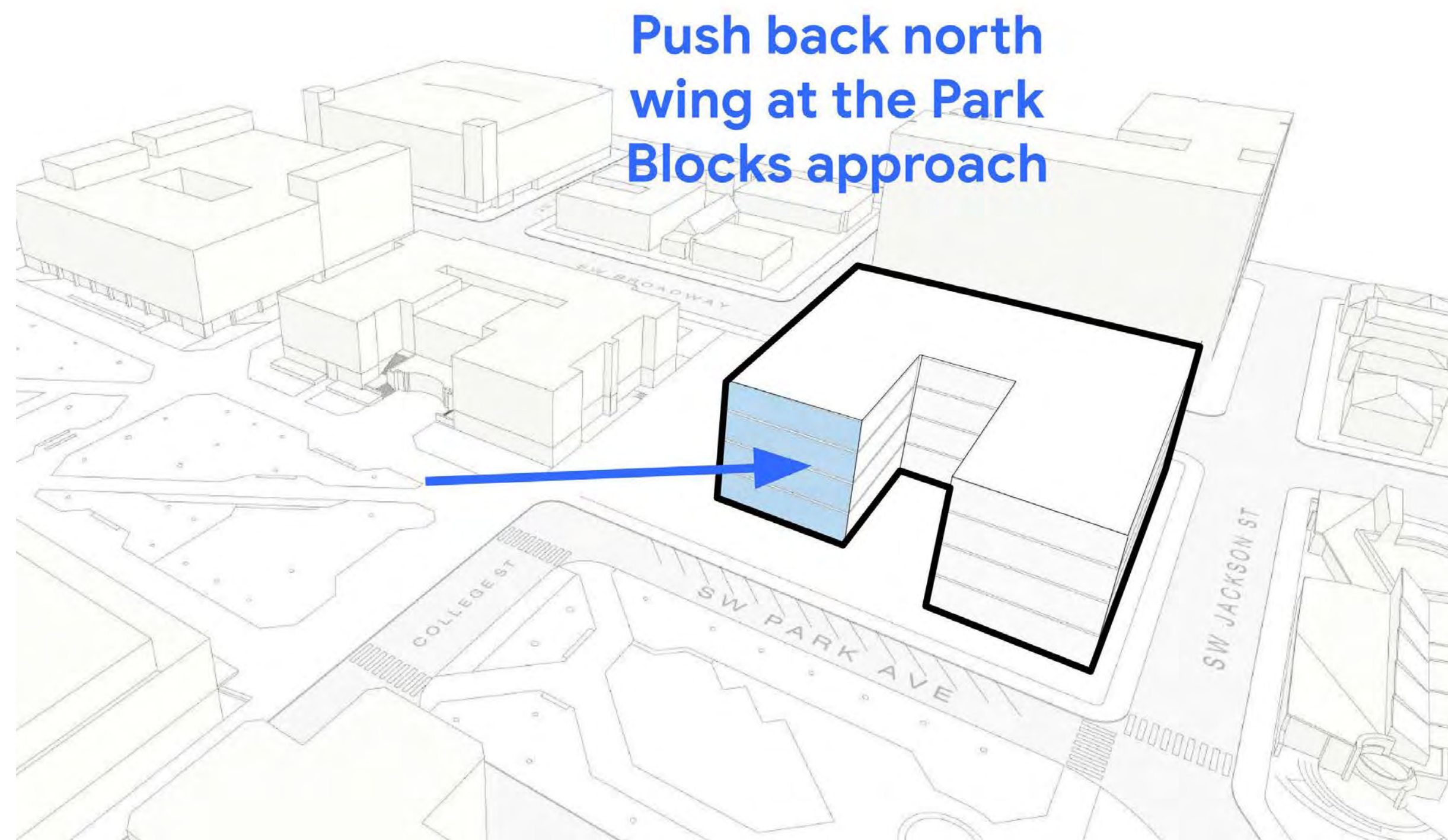




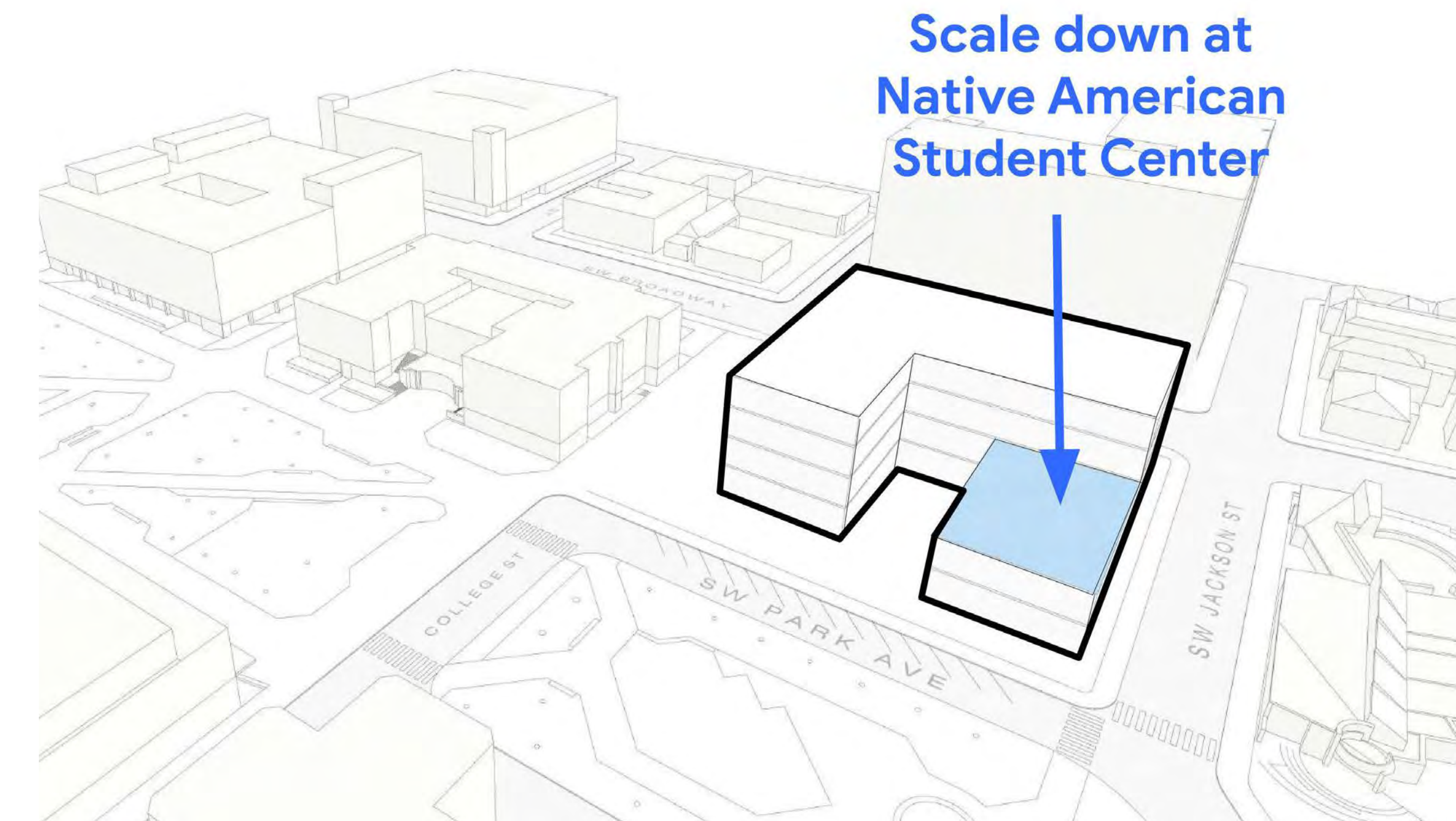
CREATE COURTYARD CONNECTING TO THE PARK BLOCKS



UTILIZE NORTH DAYLIGHT IN THE ART AND DESIGN STUDIOS

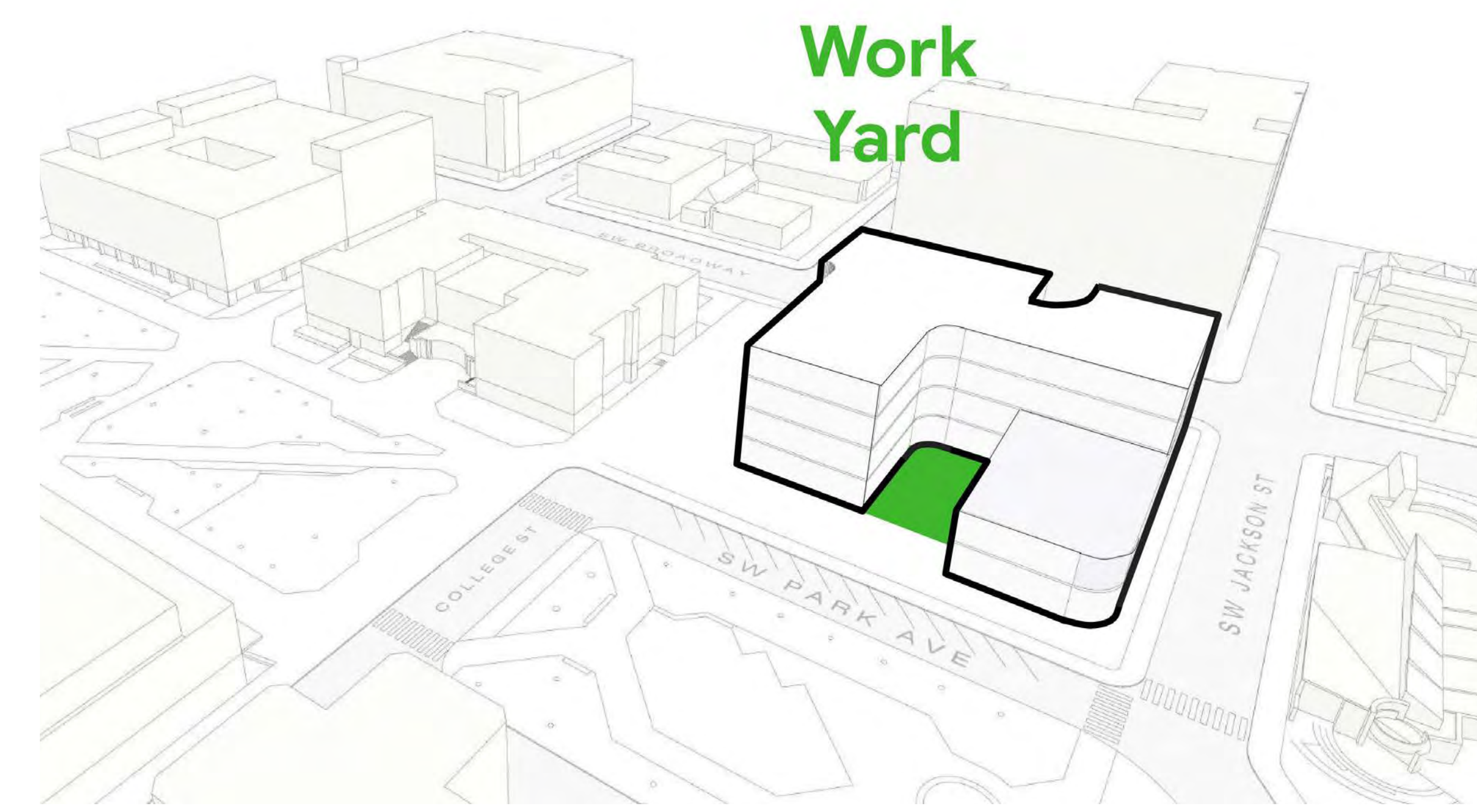
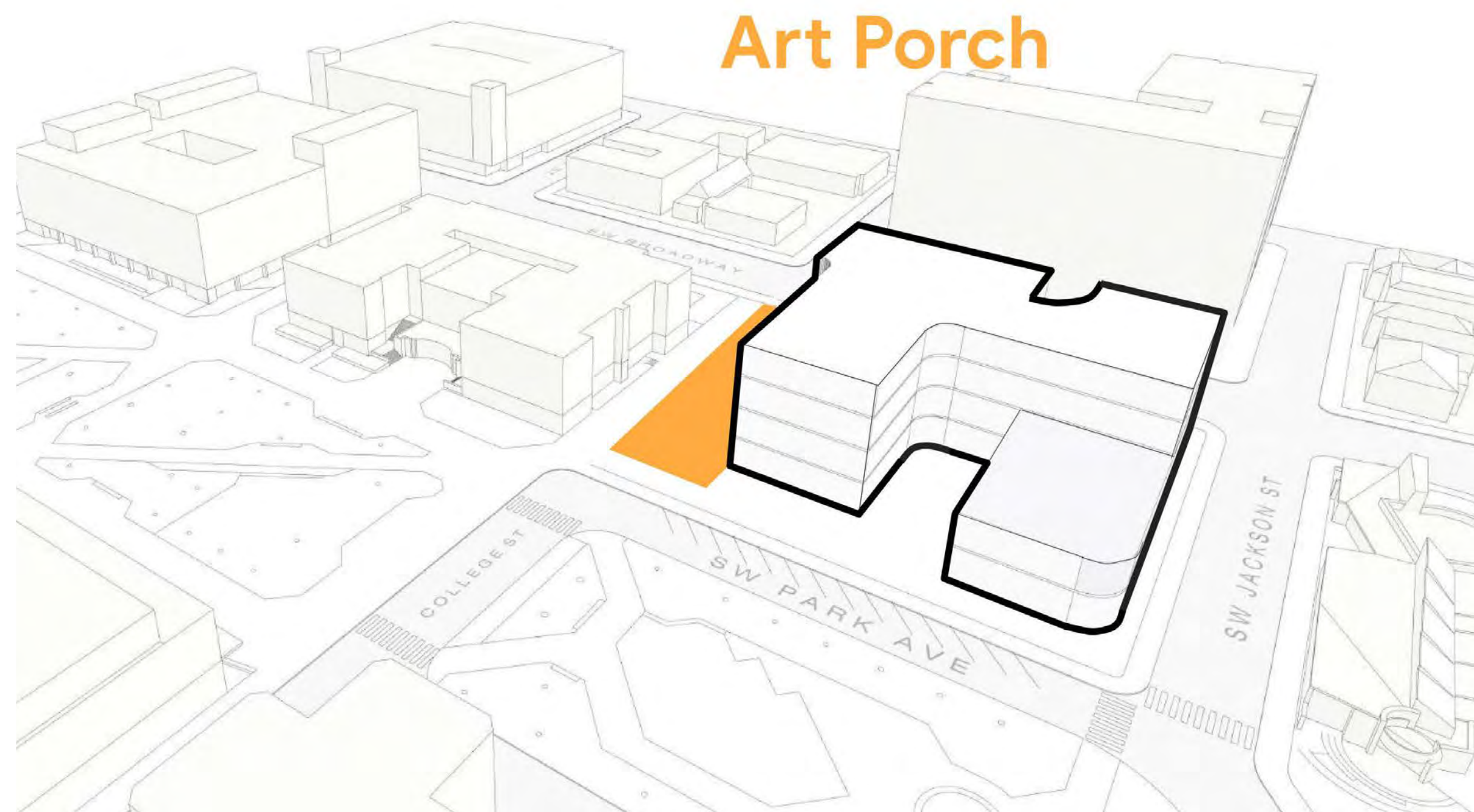
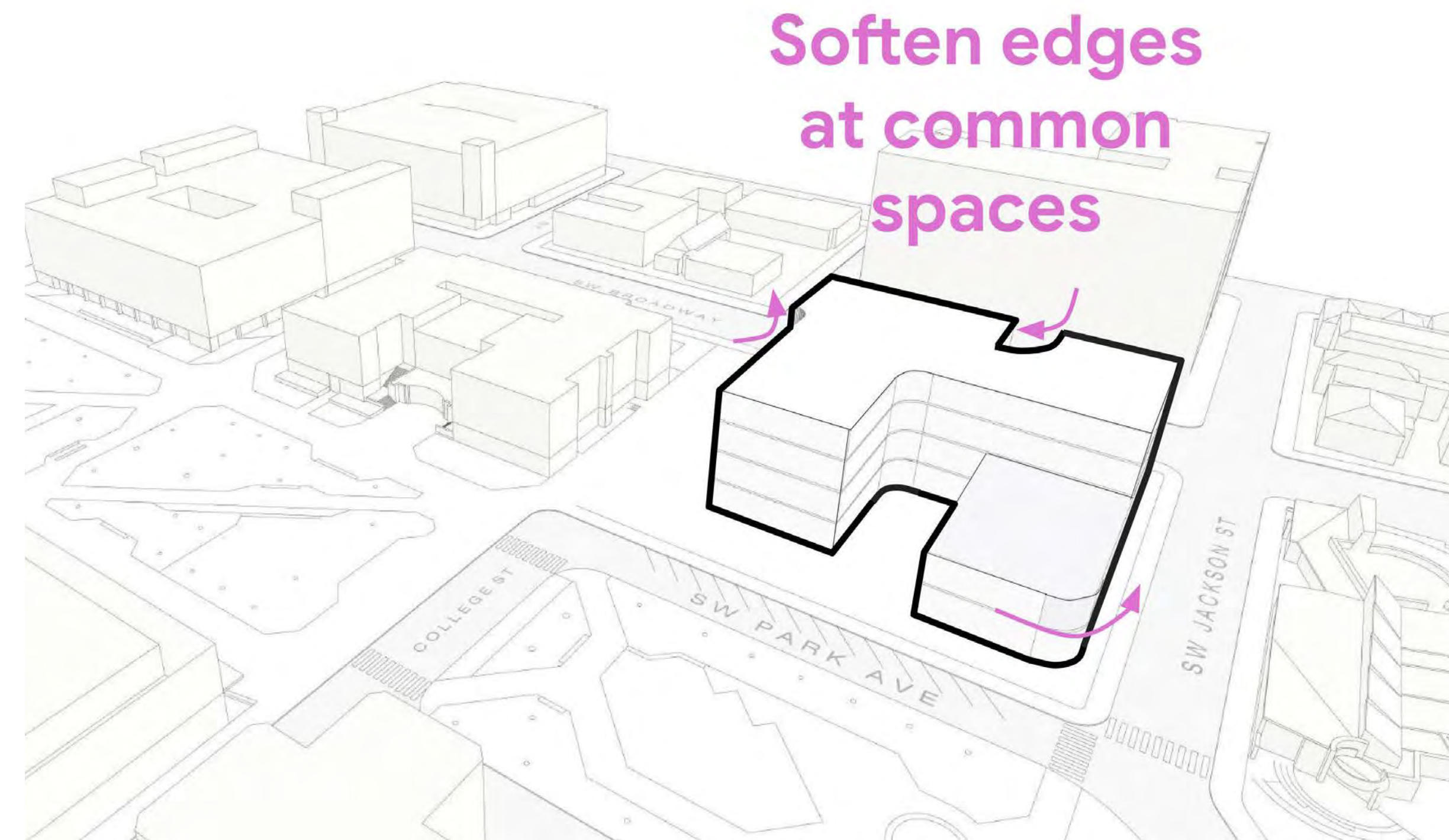
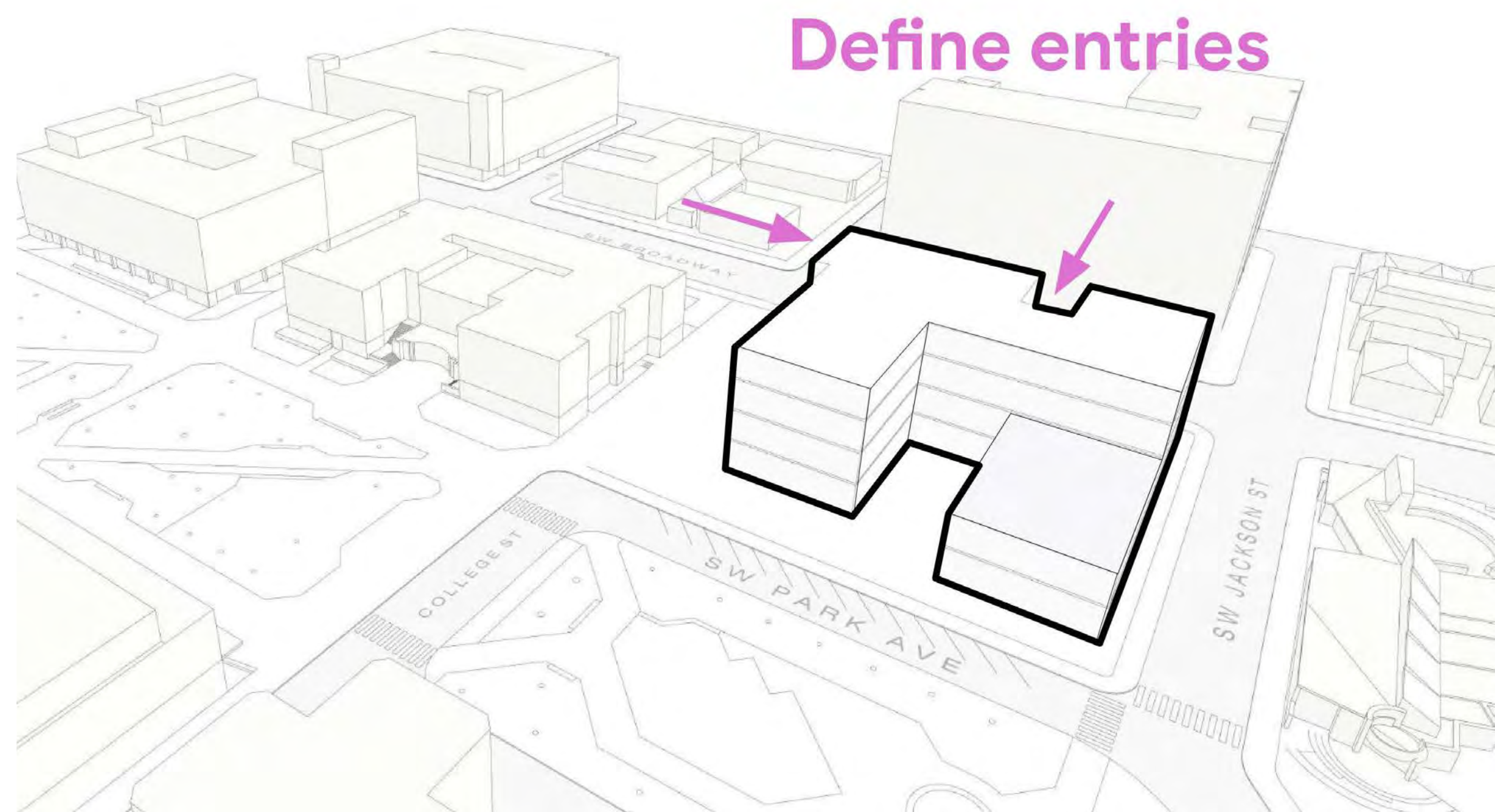


Push back north wing at the Park Blocks approach



Scale down at Native American Student Center

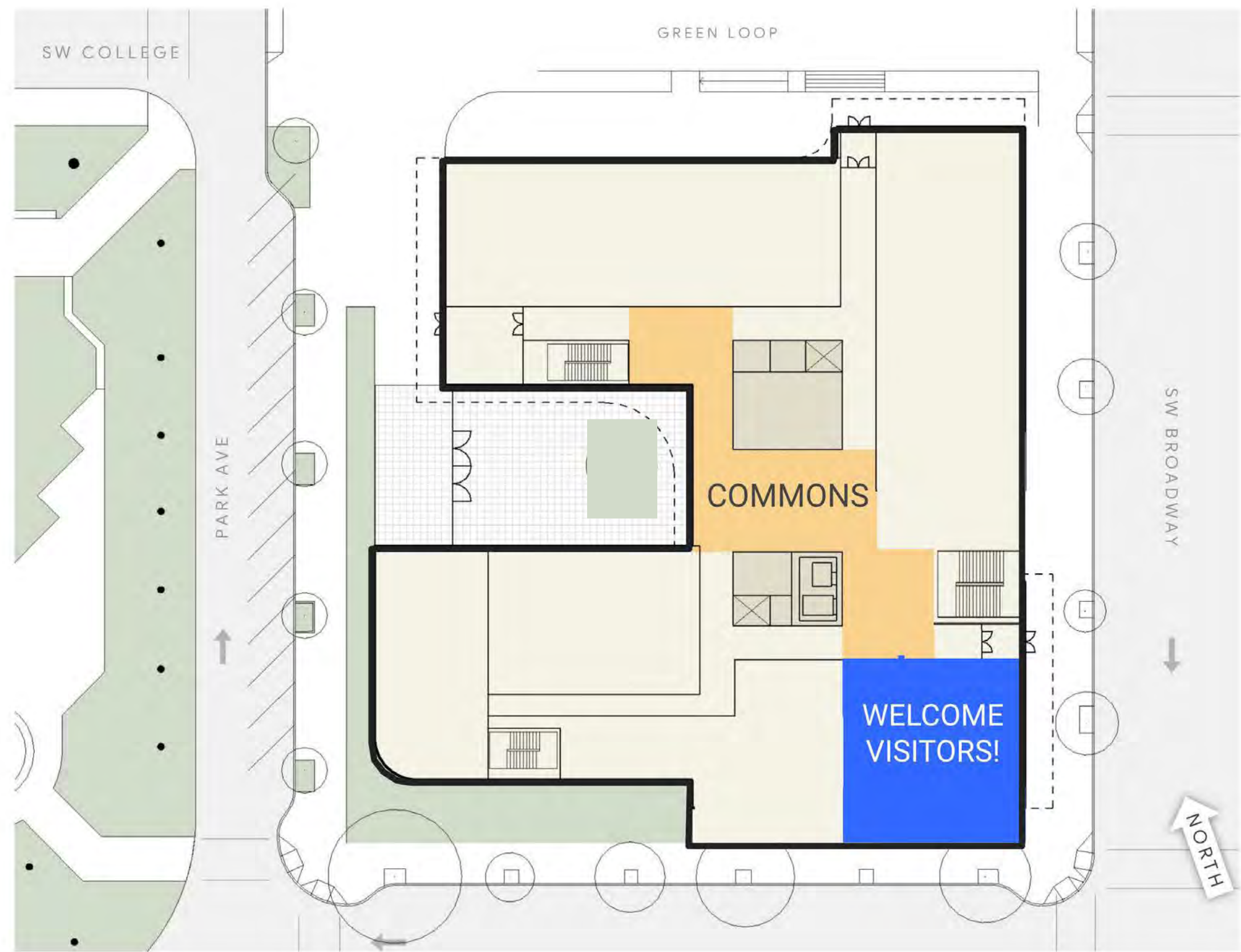




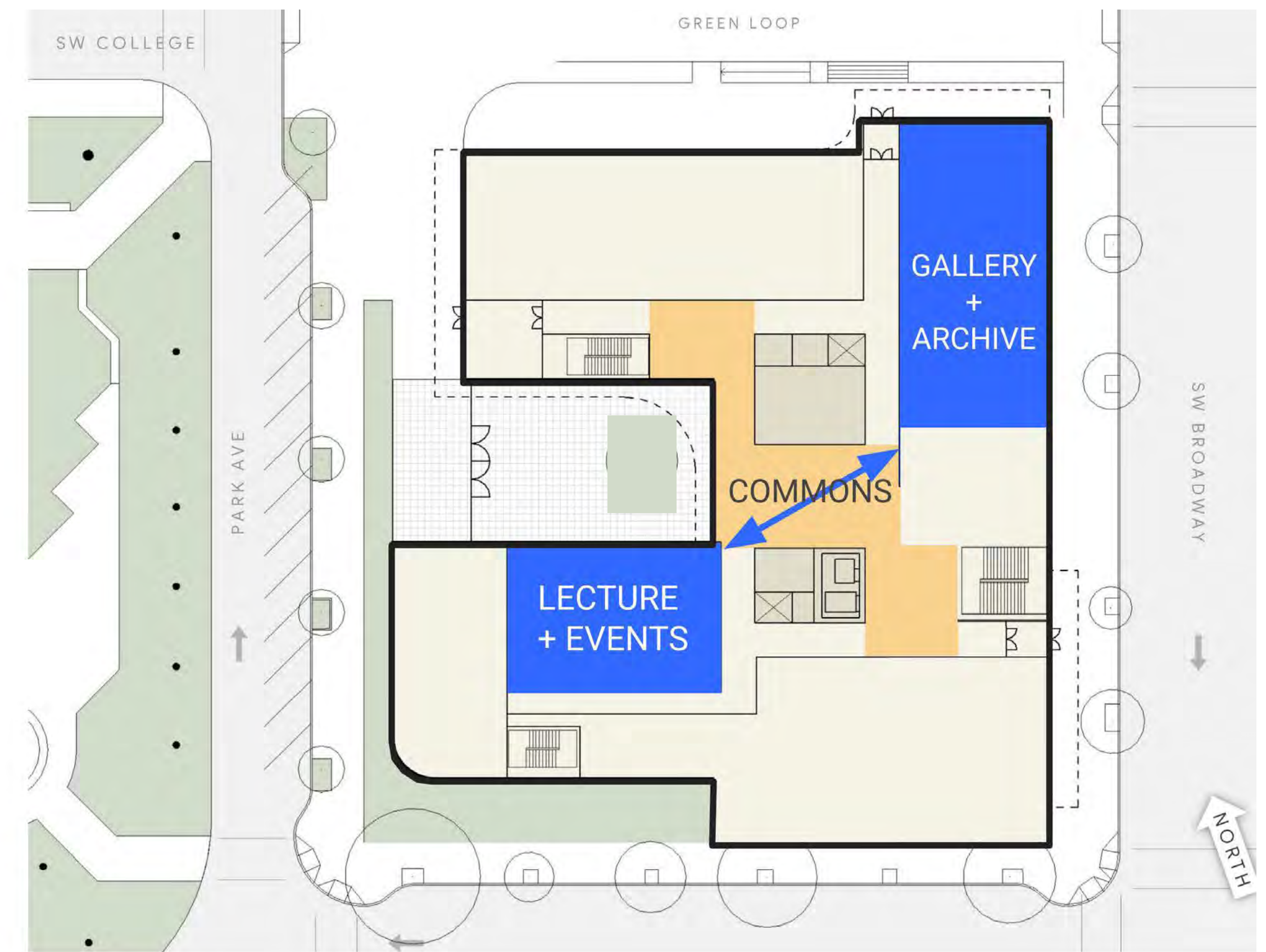
CREATE ART PORCH AT GREEN LOOP

CREATE WORK YARD FACING THE PARK BLOCKS

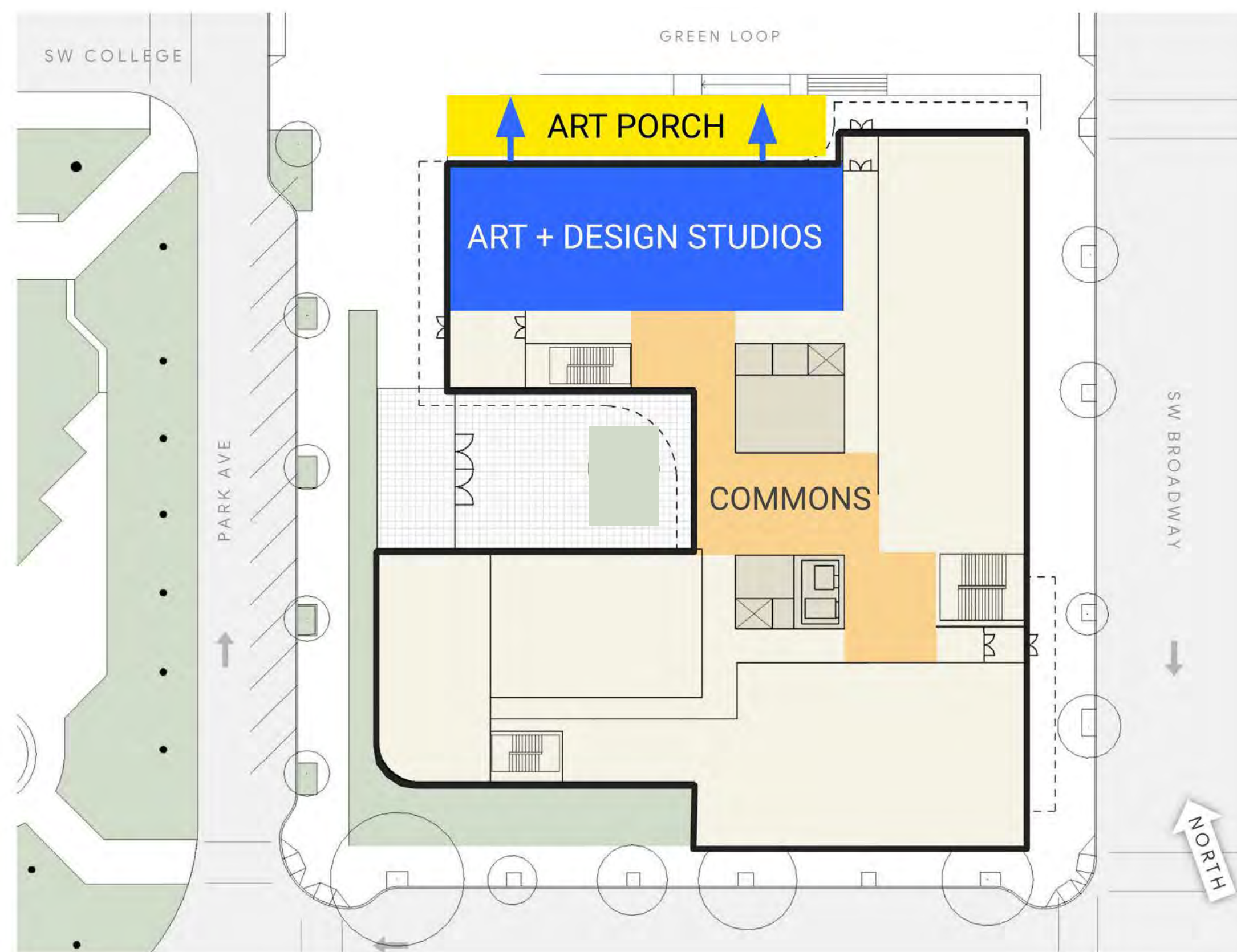




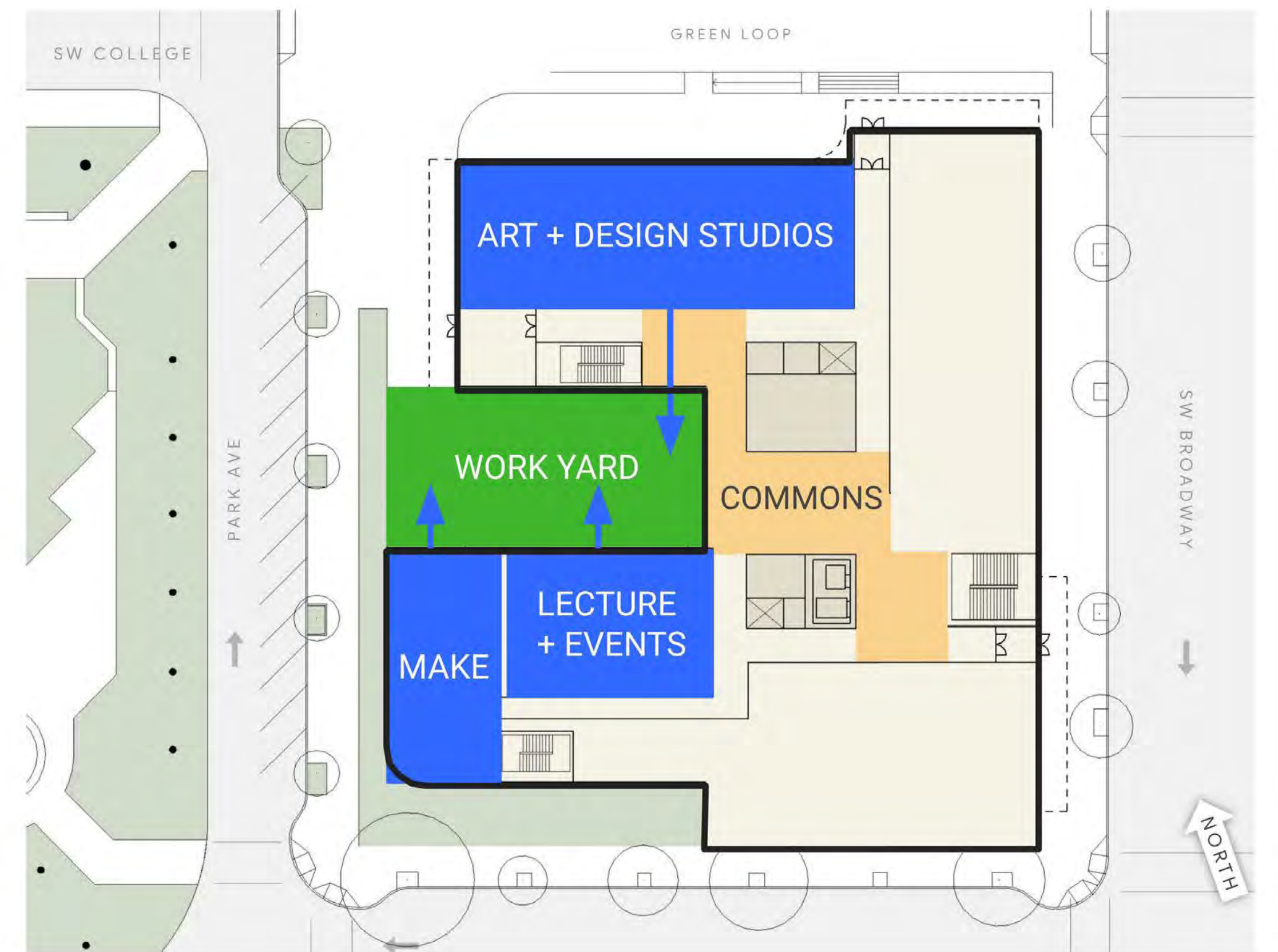
**MAIN OFFICE LOCATED NEAR BORADWAY ENTRY**



**KEY PROGRAM CONNECTED THROUGH COMMONS**

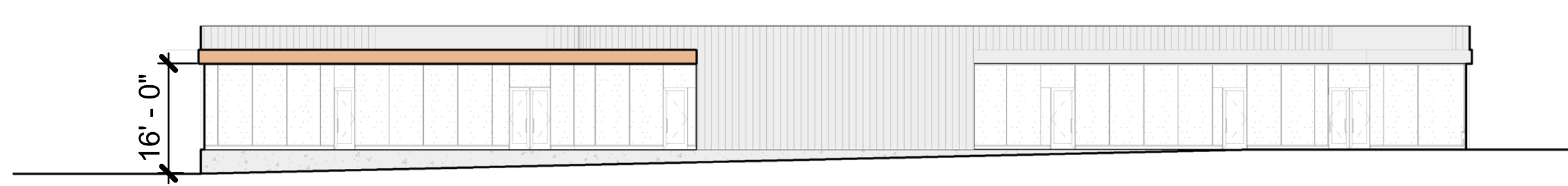


**ART PORCH ACTIVATED BY ART + DESIGN STUDIOS**

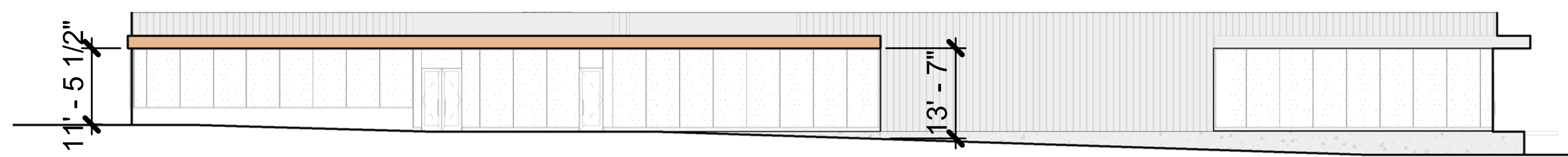
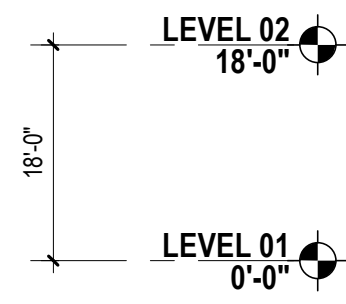


**WORK YARD ACTIVATED BY STUDIO AND CLASSROOMS SPACES**

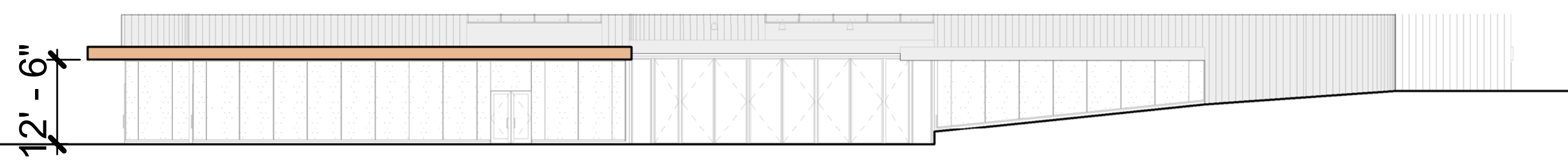
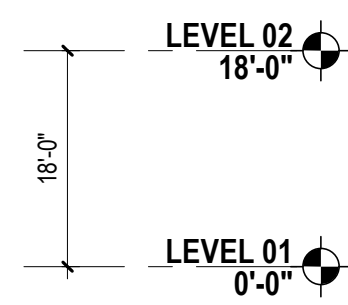




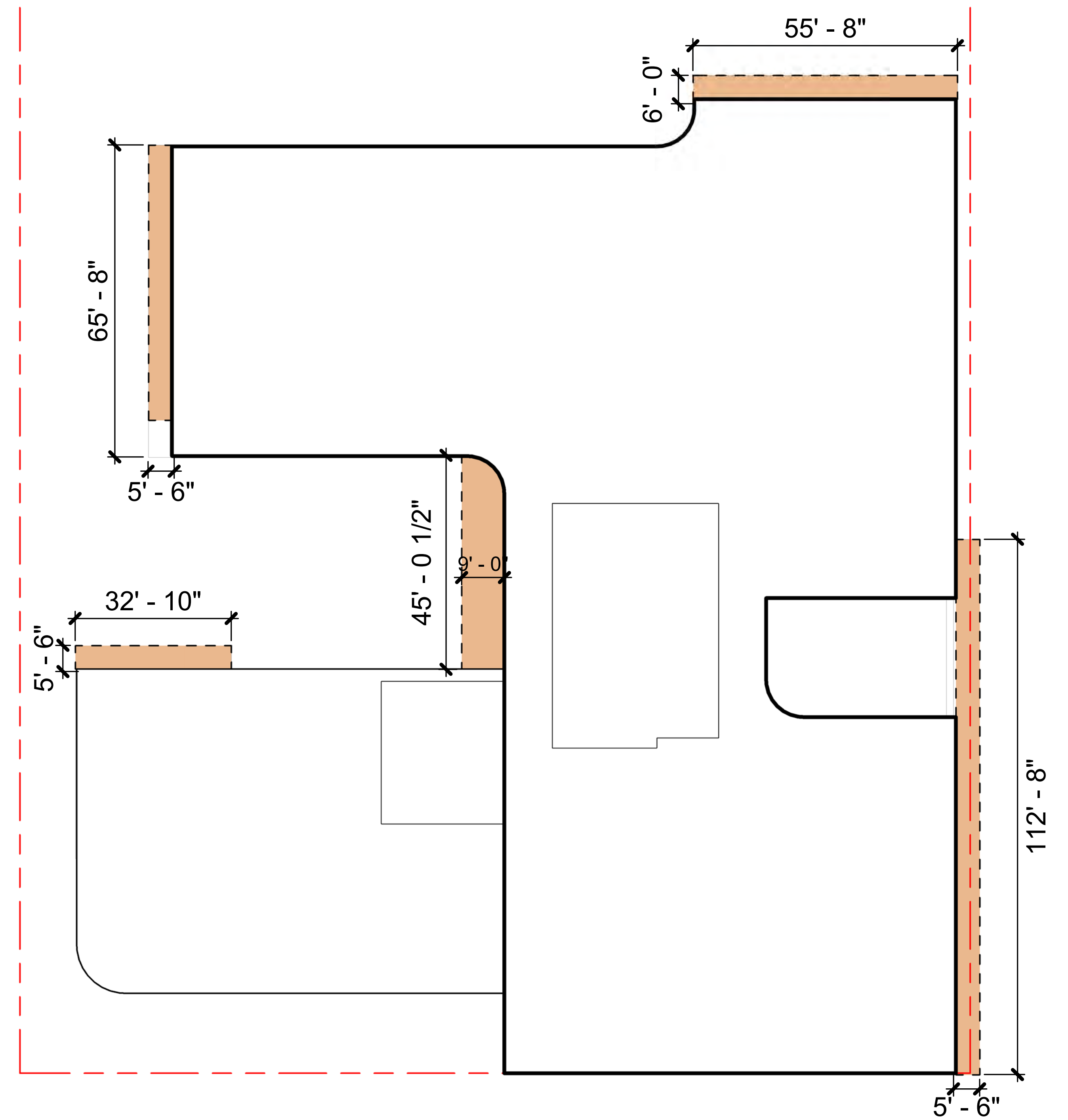
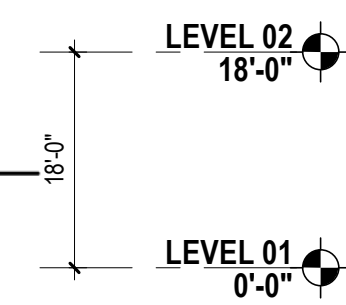
**NORTH ELEVATION - COLLEGE ST**



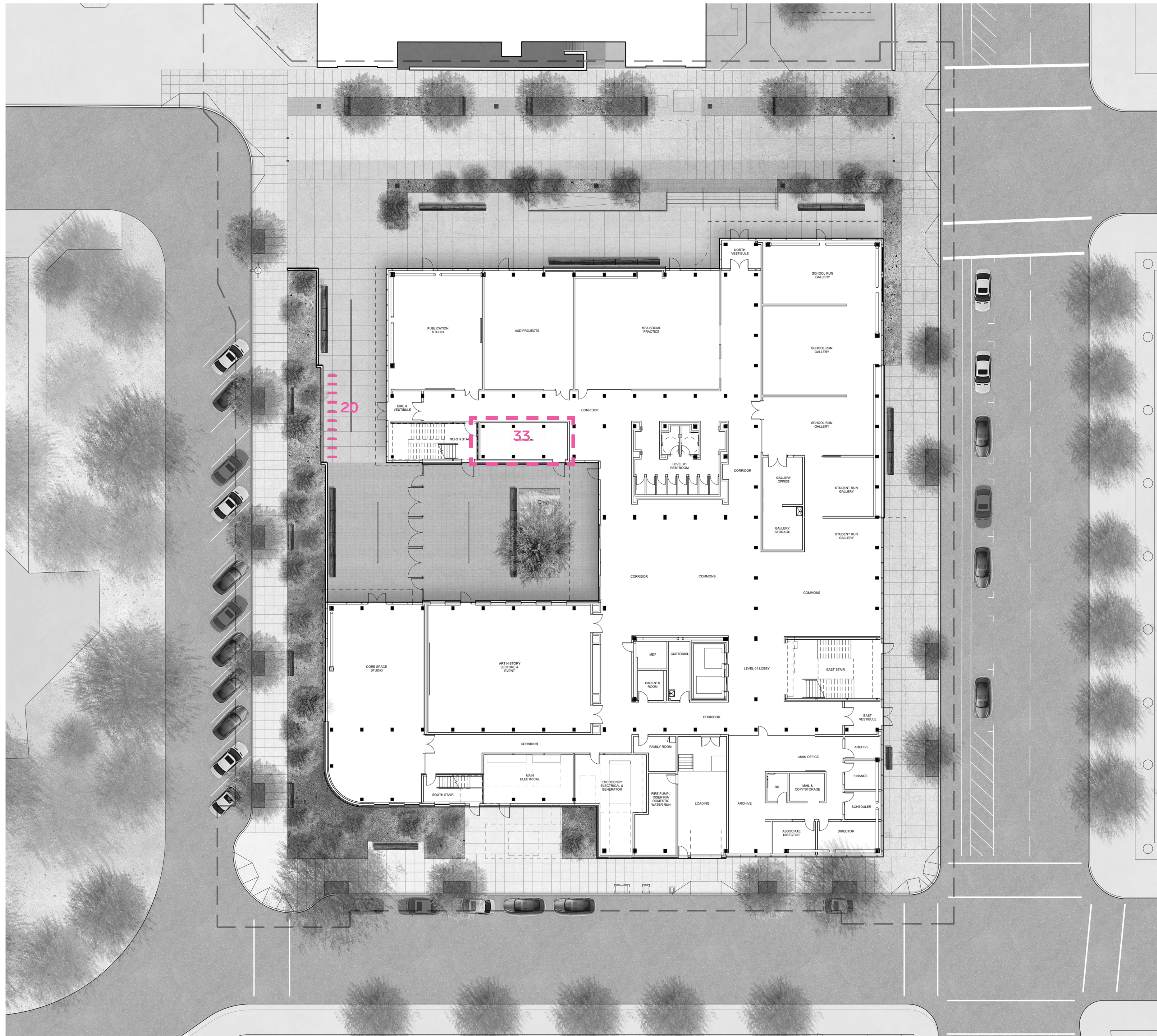
**EAST ELEVATION - BROADWAY**



**WEST ELEVATION - PARK AVE**







— Bike Parking - Short term, Outdoor

⋯ Bike Parking - Long term, Indoor

**33.266.200 Minimum Required Bicycle Parking**  
 Long-term spaces: 2, or 1 per 10,000 sf of net building area (10)  
 Short-term spaces: 2, or 1 per 10,000 sq ft of net building area (10)

**Provided:**  
 Long-term spaces: 33  
 Short-term spaces: 20 spaces (10 racks)

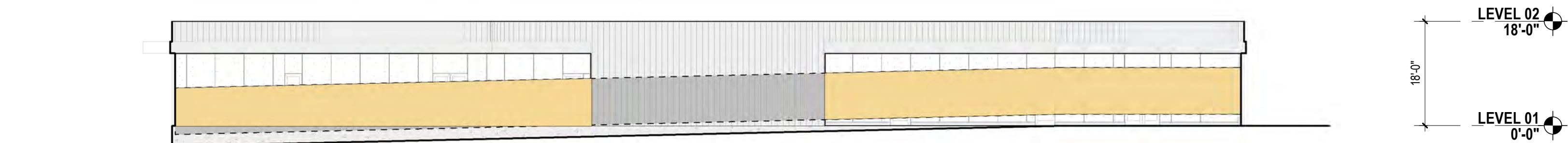






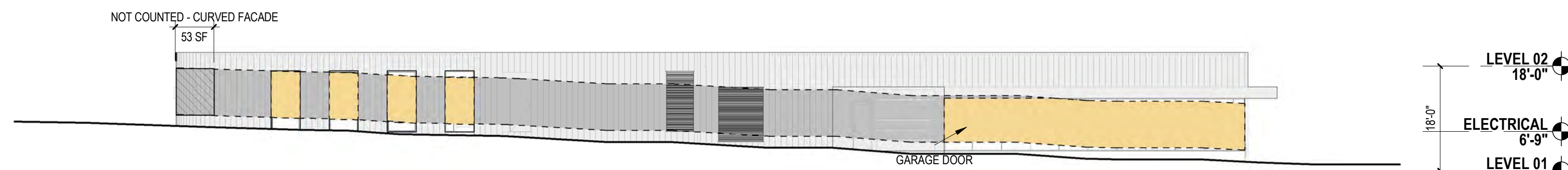
**EAST ELEVATION**

**33.510.220 - 40% AREA OF WALL GLAZING**  
 1174 SF QUALIFYING GLAZING  
 1632 TOTAL SF  
 72 % GLAZING PROVIDED  
 40% REQUIRED



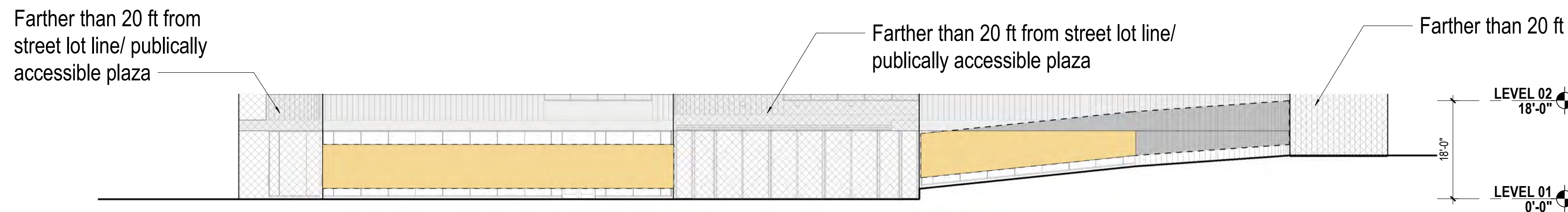
**NORTH ELEVATION**

**33.510.220 - 40% AREA OF WALL GLAZING**  
 1109 SF QUALIFYING GLAZING  
 1471 TOTAL SF  
 75 % GLAZING PROVIDED  
 40% REQUIRED



**SOUTH ELEVATION**

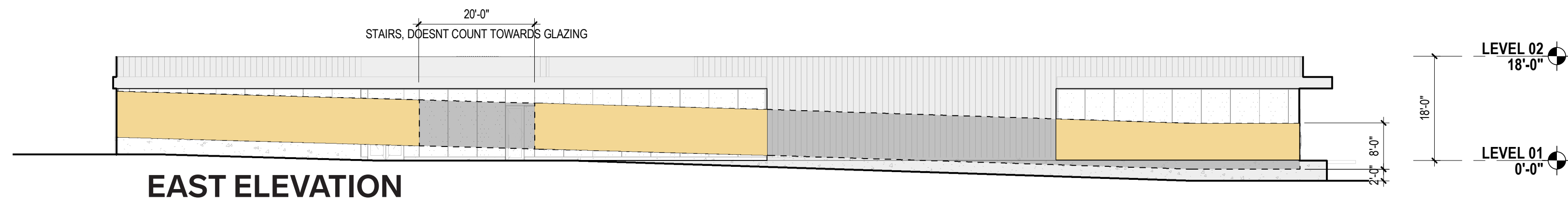
**33.510.220 - 40% AREA OF WALL GLAZING**  
 568 SF QUALIFYING GLAZING  
 1477 TOTAL SF - 53 SF = 1424 SF  
 40% GLAZING PROVIDED  
 40% REQUIRED



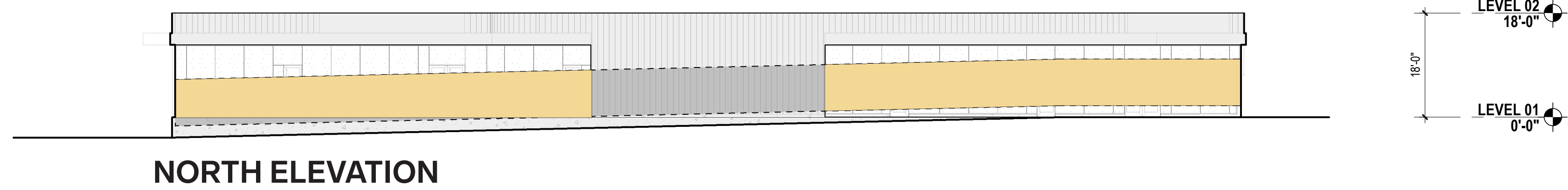
**WEST ELEVATION**

**33.510.220, MAP 510-8 - 60% AREA OF WALL GLAZING - PARK FACING**  
 772 SF QUALIFYING GLAZING  
 1058 TOTAL SF  
 73 % GLAZING PROVIDED  
 60% REQUIRED

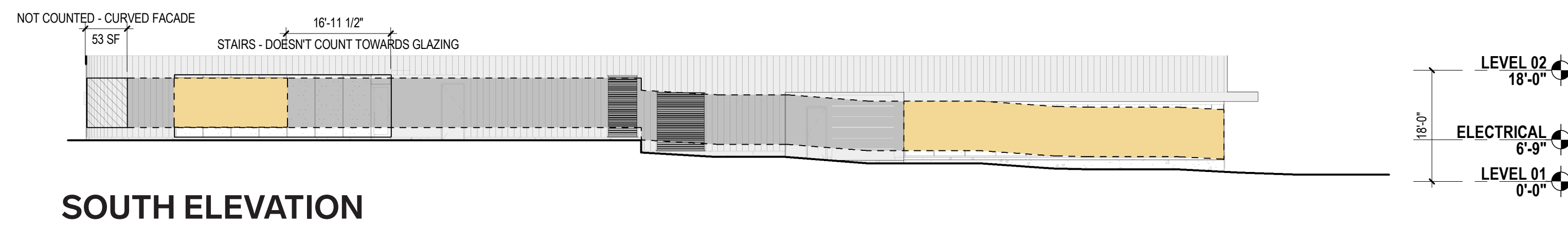




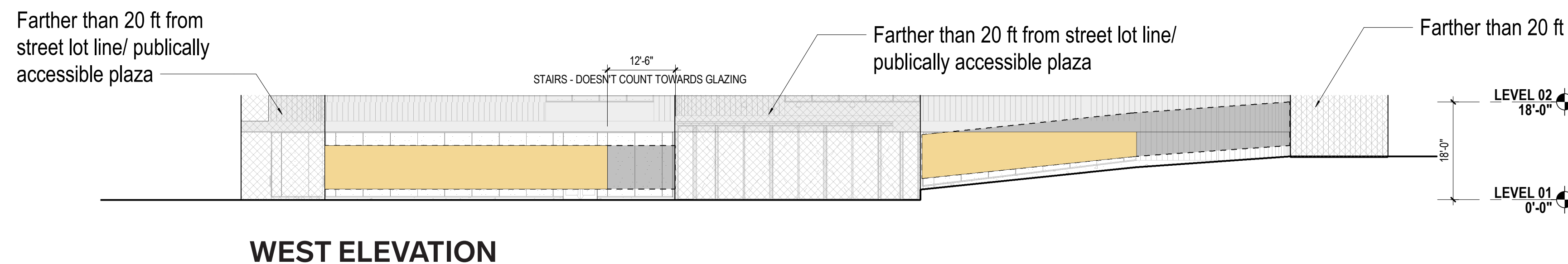
**33.510.220 - 40% AREA OF WALL GLAZING**  
 1015 SF QUALIFYING GLAZING  
 1632 TOTAL SF  
 62 % GLAZING PROVIDED  
 40% REQUIRED



**33.510.220 - 40% AREA OF WALL GLAZING**  
 1109 SF QUALIFYING GLAZING  
 1471 TOTAL SF  
 75 % GLAZING PROVIDED  
 40% REQUIRED

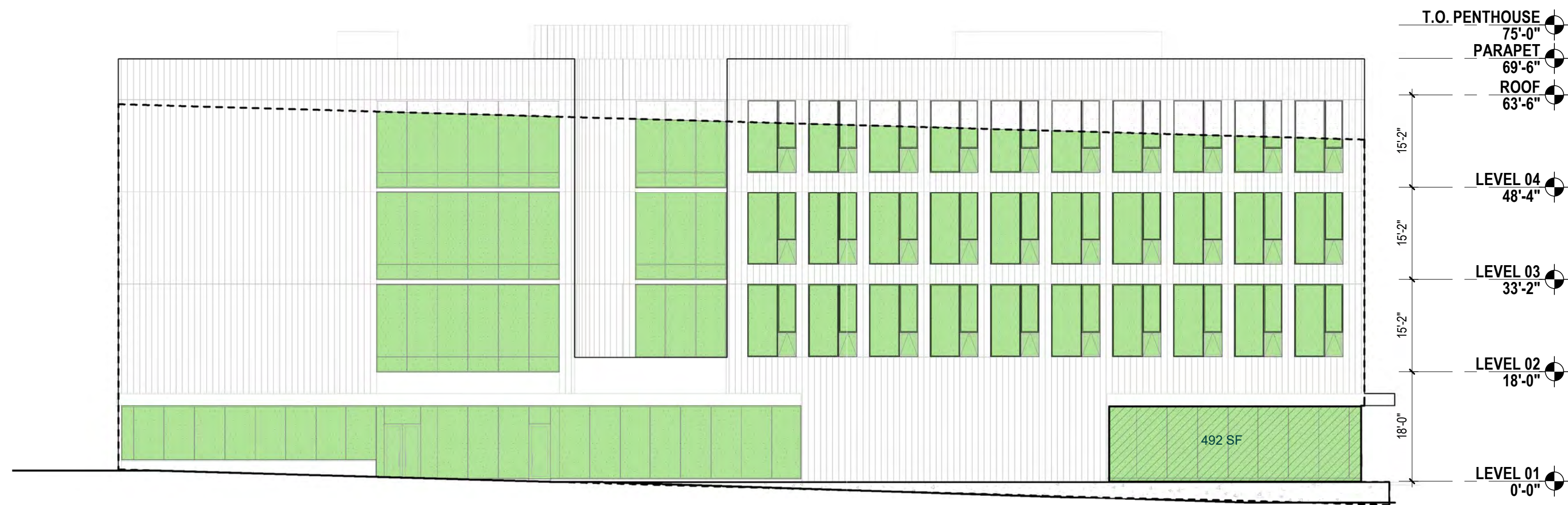


**33.510.220 - 40% AREA OF WALL GLAZING**  
 565 SF QUALIFYING GLAZING  
 1422 TOTAL SF  
 40% GLAZING PROVIDED  
 40% REQUIRED



**33.510.220, MAP 510-8 - 60% AREA OF WALL GLAZING - PARK FACING**  
 673 SF QUALIFYING GLAZING  
 1058 TOTAL SF  
 64 % GLAZING PROVIDED  
 60% REQUIRED





**EAST ELEVATION**

**33.510.223 - BIRD-SAFE EXTERIOR GLAZING**

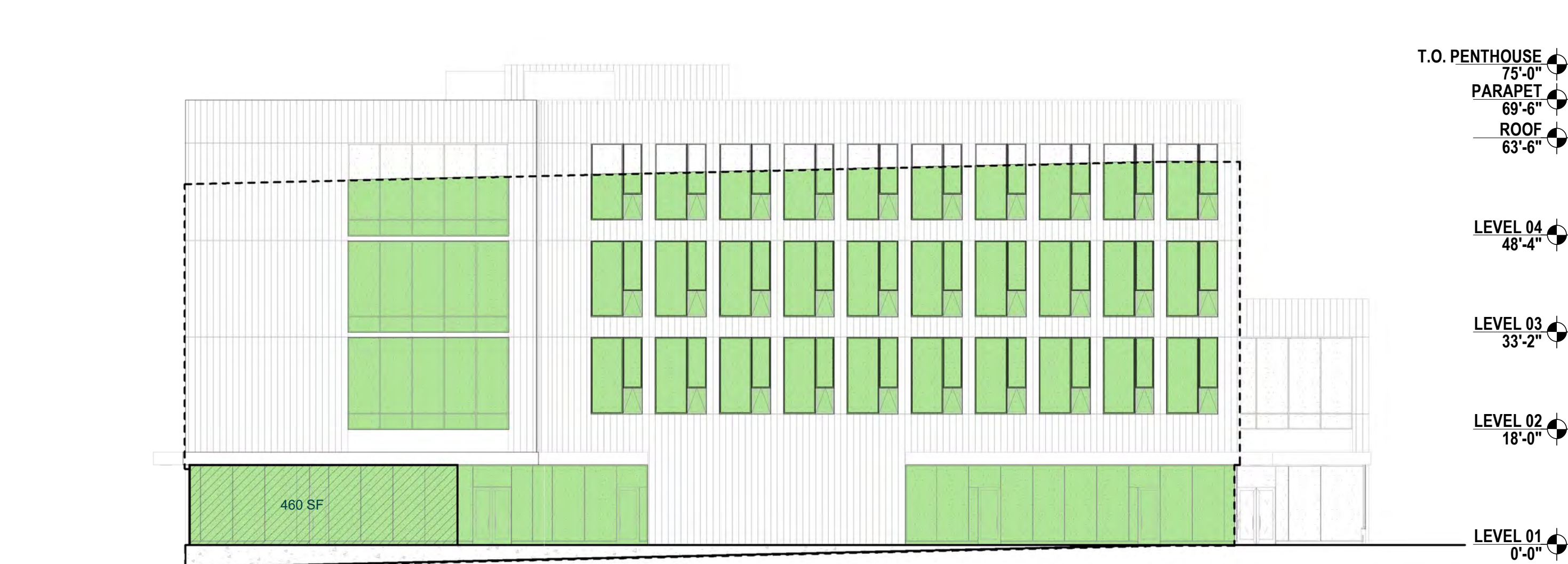
12,309 SF Facade

5,972 SF Glazing

48% Glazing, Bird Safe Glazing Required

33.510.223 - 10% of Facade can be Non-Bird Safe

5,972 SF Glazing X 10% = 597.2 SF



**NORTH ELEVATION**

**33.510.223 - BIRD-SAFE EXTERIOR GLAZING**

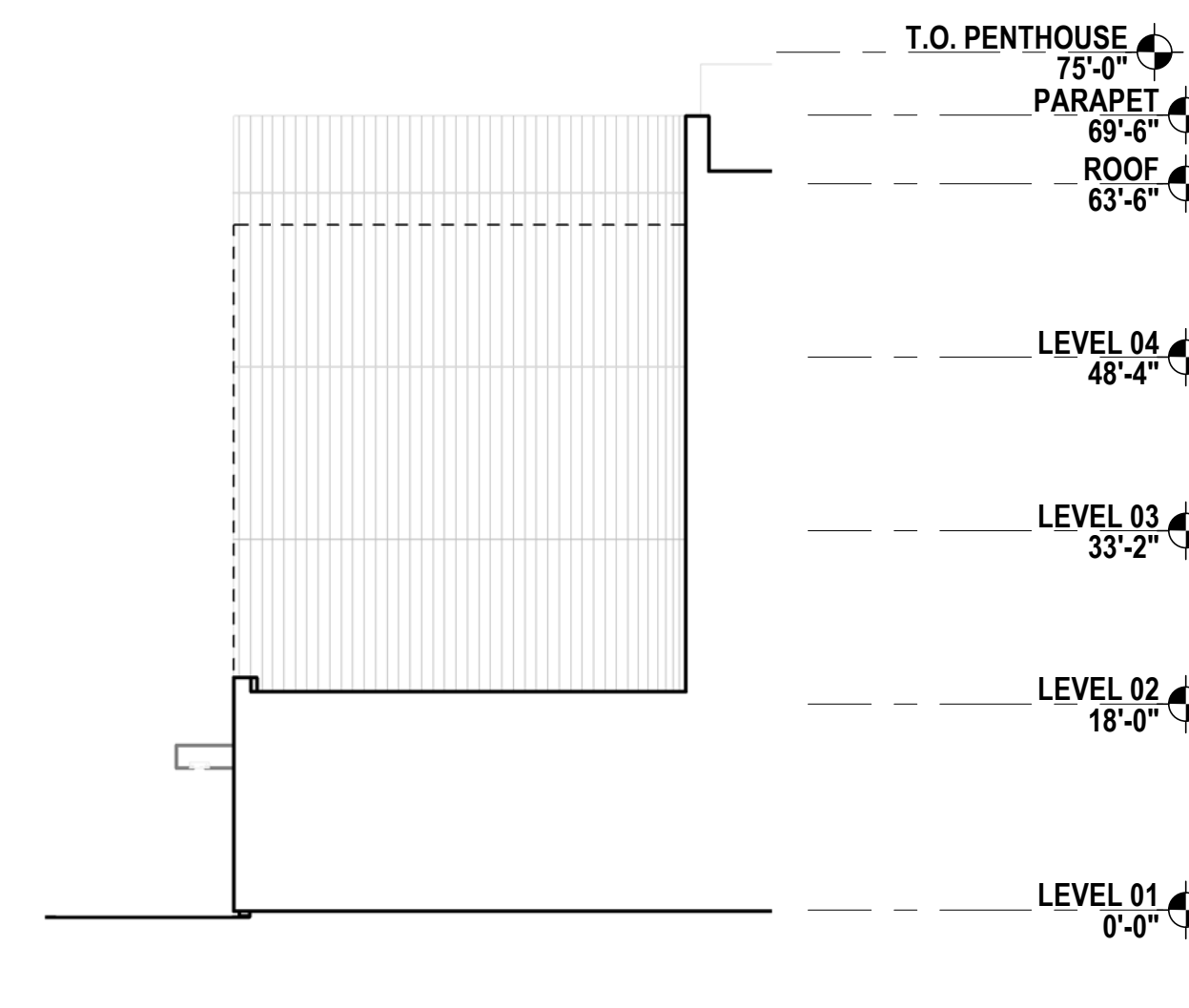
9,881 SF Facade

5,050 SF Glazing

51% Glazing, Bird Safe Glazing Required

33.510.223 - 10% of Facade can be Non-Bird Safe

5,050 SF Glazing x 10% = 505 SF



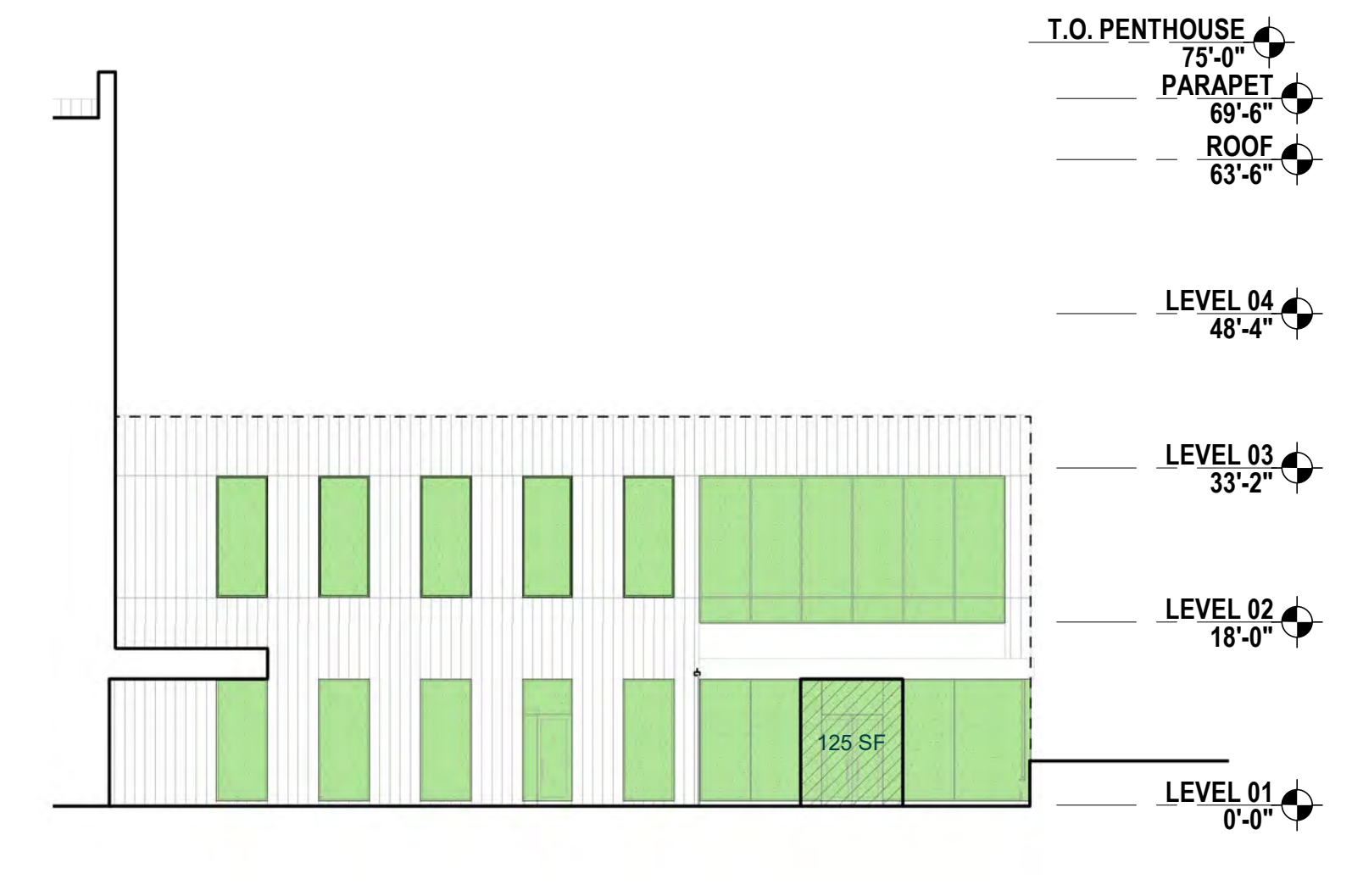
**NORTH ELEVATION - COURTYARD**

**33.510.223 - BIRD-SAFE EXTERIOR GLAZING**

1,614 SF Facade

0 SF Glazing

0 % Glazing, Bird Safe Glazing NOT Required



**NORTH ELEVATION - COURTYARD**

**33.510.223 - BIRD-SAFE EXTERIOR GLAZING**

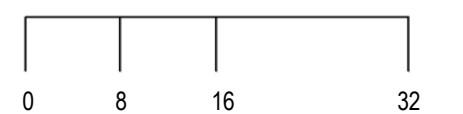
3,404 SF Facade

1,420 SF Glazing

42% Glazing, Bird Safe Glazing Required

33.510.223 - 10% of Facade can be Non-Bird Safe

1,420 SF Glazing X 10% = 142.0 SF







**SOUTH ELEVATION**

**33.510.223 - BIRD-SAFE EXTERIOR GLAZING**

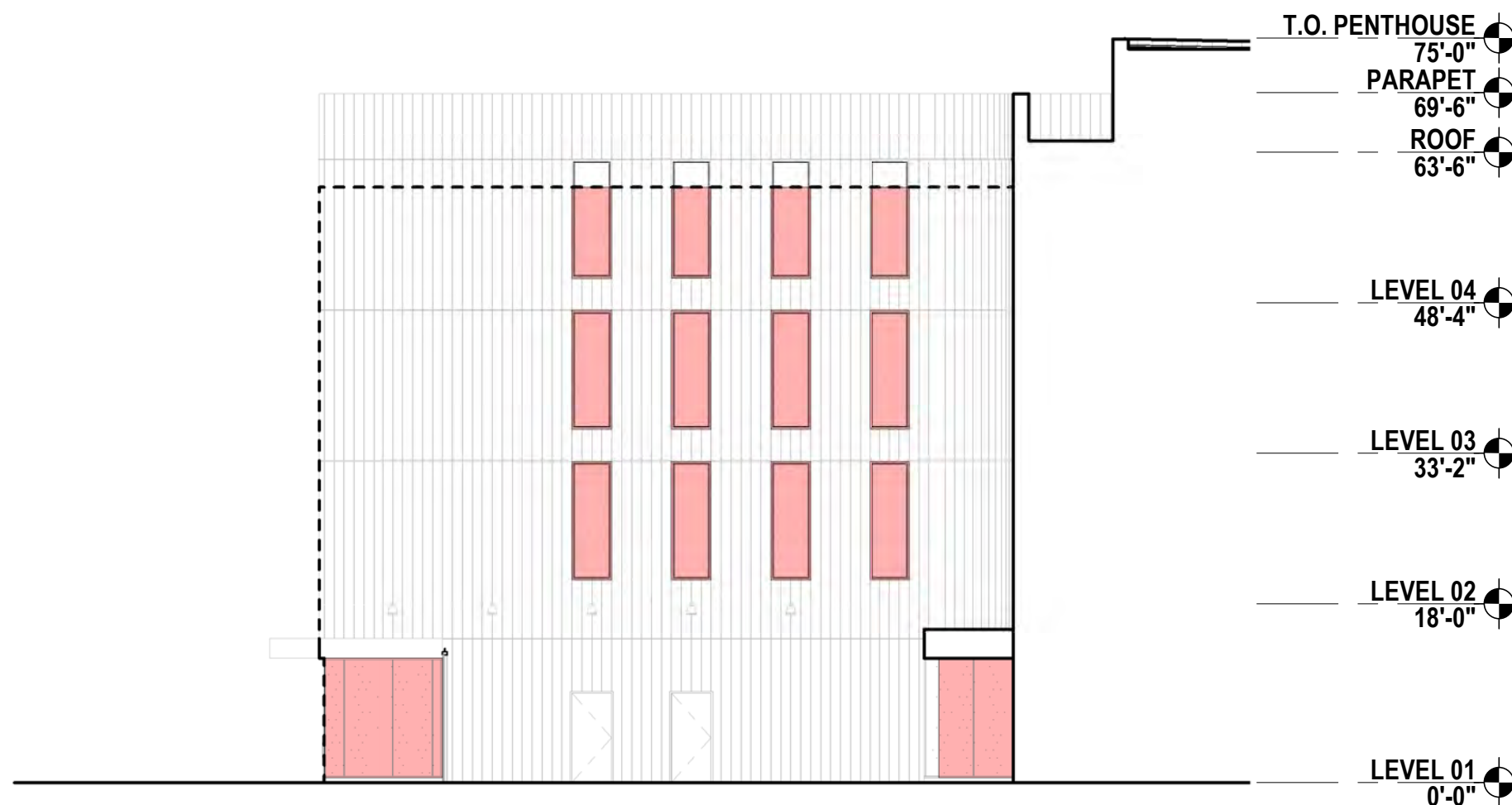
8,579 SF Facade

3,706 SF Glazing

43% Glazing, Bird Safe Glazing Required

33.510.223 - 10% of Facade can be Non-Bird Safe

3,706 SF Glazing X 10% = 370.6 SF



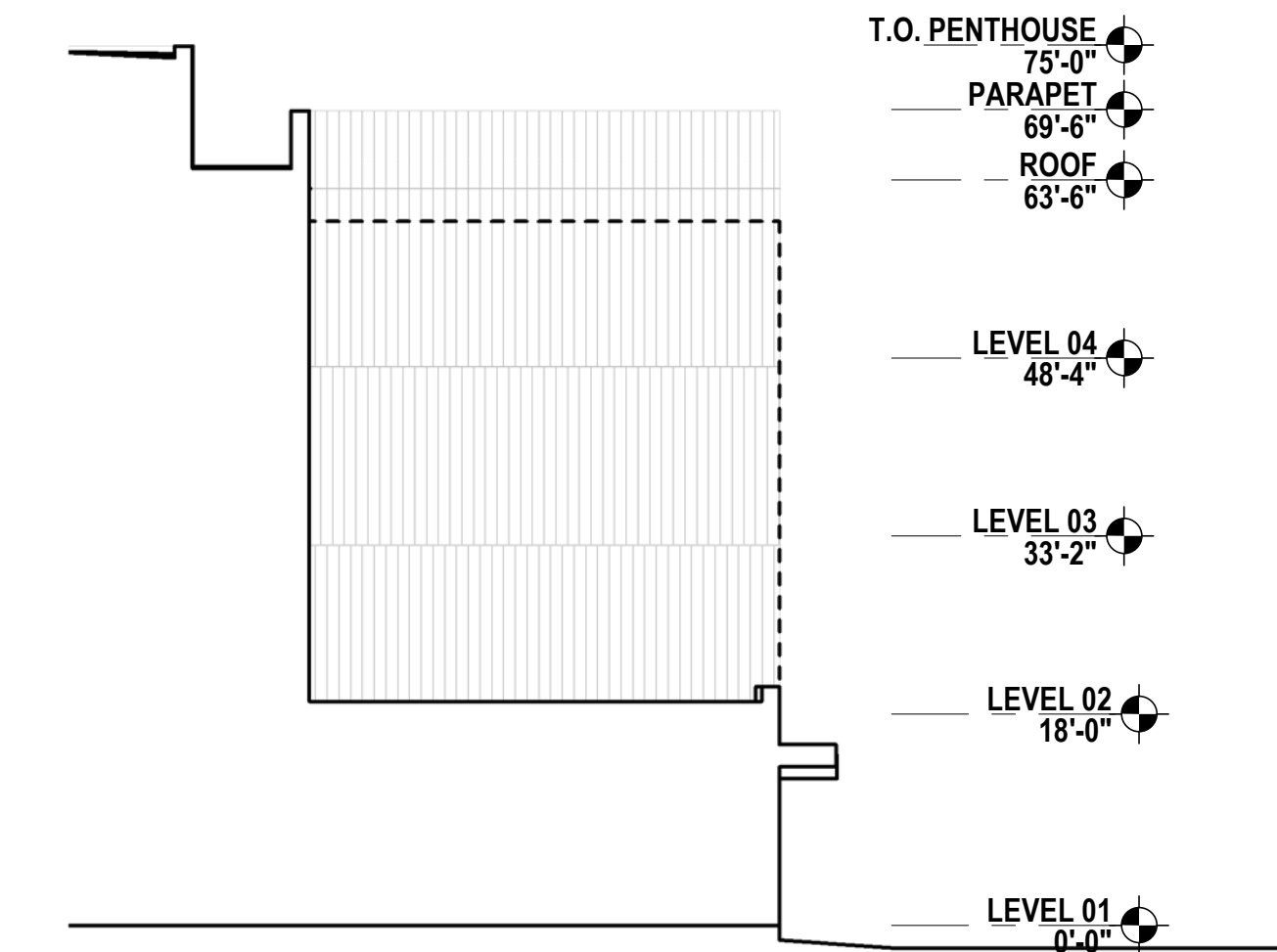
**SOUTH ELEVATION - COURTYARD**

**33.510.223 - BIRD-SAFE EXTERIOR GLAZING**

4,194 SF Facade

761 SF Glazing

18% Glazing, Bird Safe Glazing NOT Required



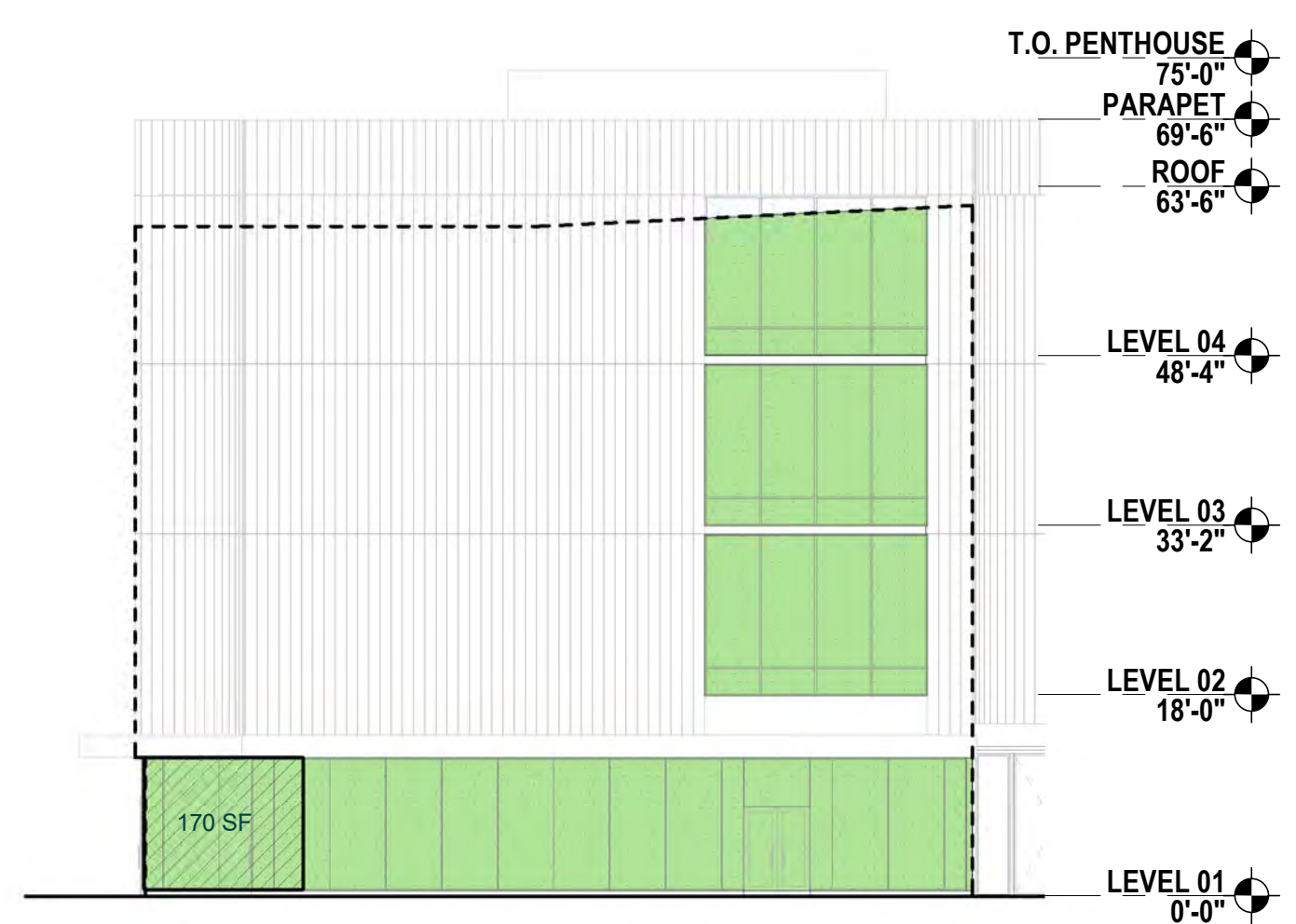
**SOUTH ELEVATION - COURTYARD**

**33.510.223 - BIRD-SAFE EXTERIOR GLAZING**

1,634 SF Facade

0 SF Glazing

0% Glazing, Bird Safe Glazing NOT Required



**WEST ELEVATION**

**33.510.223 - BIRD-SAFE EXTERIOR GLAZING**

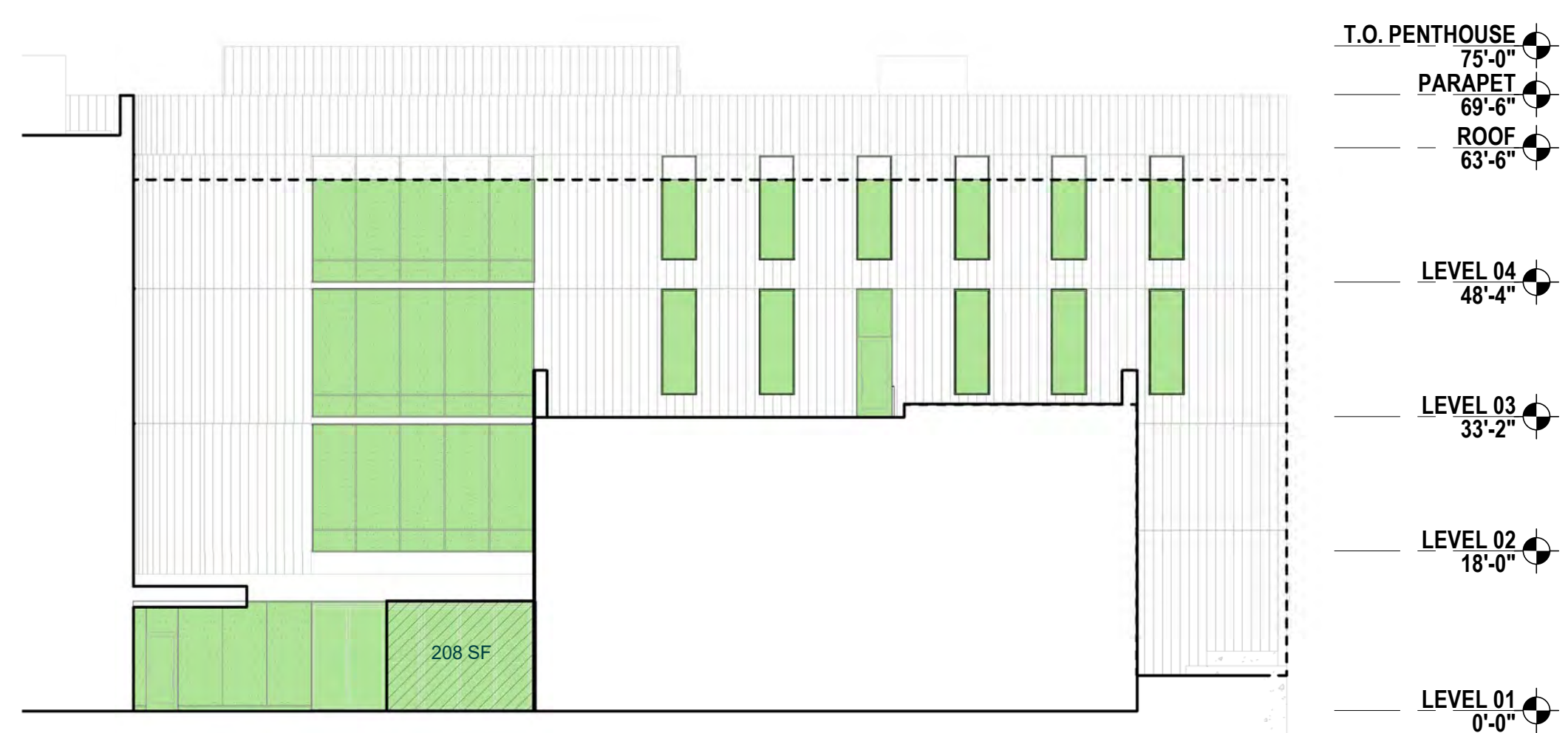
4,525 SF Facade

1,721 SF Glazing

38 % Glazing, Bird Safe Glazing Required

33.510.223 - 10% of Facade can be Non-Bird Safe

1,721 SF Glazing X 10% = 172.1 SF



**WEST ELEVATION**

**33.510.223 - BIRD-SAFE EXTERIOR GLAZING**

5,407 SF Facade

2,091 SF Glazing

39% Glazing, Bird Safe Glazing Required

33.510.223 - 10% of Facade can be Non-Bird Safe

2,091 SF Glazing X 10% = 209.1 SF



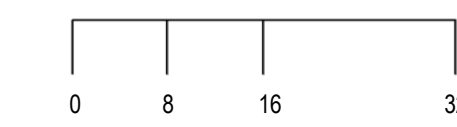
**WEST ELEVATION**

**33.510.223 - BIRD-SAFE EXTERIOR GLAZING**

2,233 SF Facade

577 SF Glazing

26% Glazing, Bird Safe Glazing NOT Required





2. CAMPUS SITE PLAN



PSU - SITE PLANS  
W/ BLDG. NAMES AND BLOCK NUMBERS



FAR CALCULATIONS SITE #2  
(BUILDING AREA/ SITE AREA)

SITE AREA: 708,774

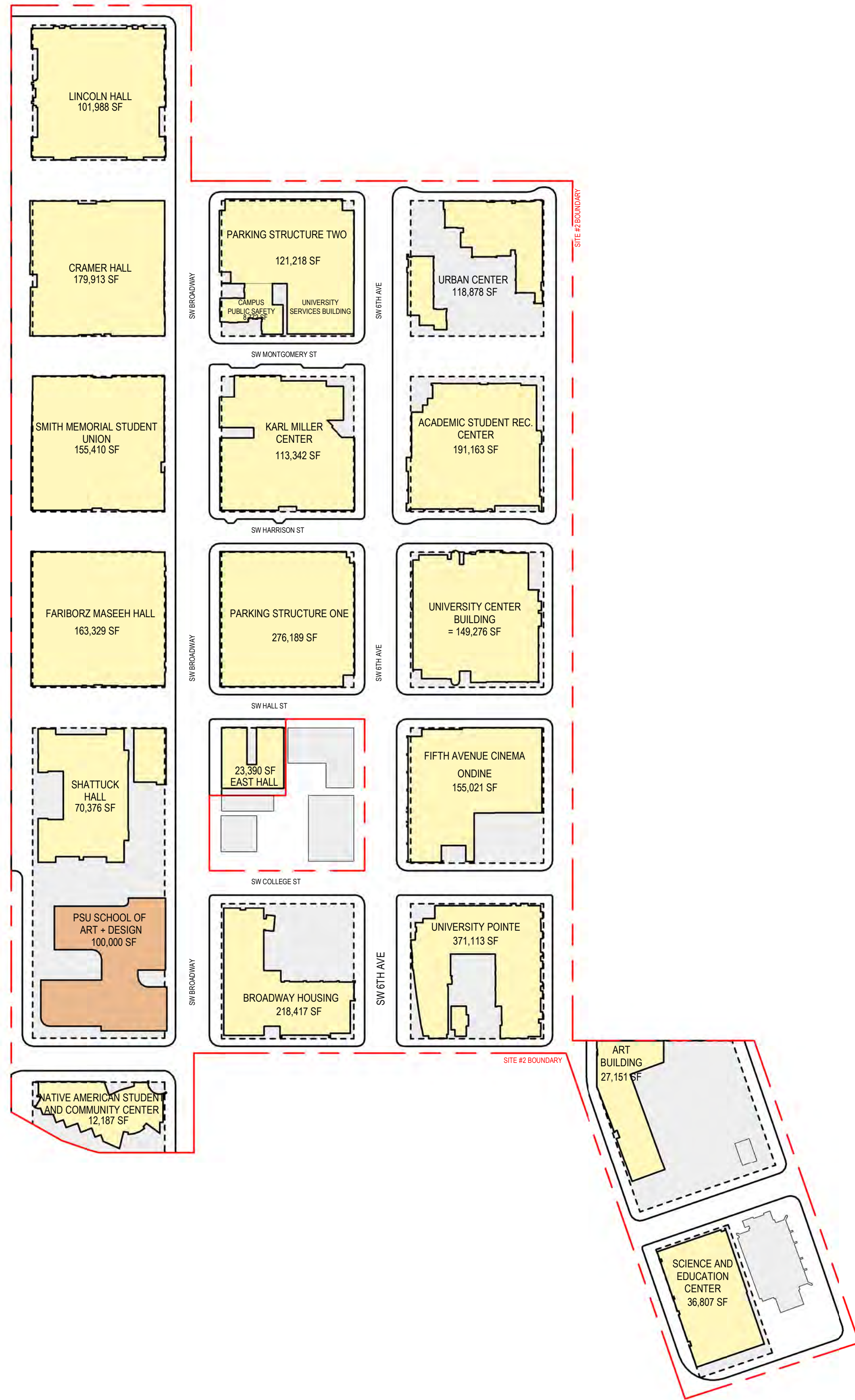
BUILDING AREAS:

- LINCOLN HALL = 101,988 SF
- CRAMER HALL = 179,913 SF
- SMITH MEMORIAL STUDENT UNION = 155,410 SF
- FARIBORZ MASEEH HALL = 163,329 SF
- SHATTUCK HALL = 70,376 SF
- NATIVE AMERICAN STUDENT AND COMMUNITY CENTER = 12,187 SF
- PARKING STRUCTURE TWO = 121,218 SF
- CAMPUS PUBLIC SAFETY = 8,641 SF
- KARL MILLER CENTER = 113,342 SF
- PARKING STRUCTURE ONE = 276,189 SF
- EAST HALL = 23,390 SF
- BROADWAY HOUSING = 218,417 SF
- URBAN CENTER = 118,878 SF
- ACADEMIC STUDENT REC CENTER = 191,163 SF
- UNIVERSITY BUILDING = 149,276 SF
- ONDINE/FIFTH AVENUE CINEMA = 155,021 SF
- UNIVERSITY POINTE = 371,113 SF
- ART BUILDING = 27,151 SF
- SCIENCE AND EDUCATION CENTER = 36,807 SF

TOTAL BUILDING AREA BEFORE: 2,493,809  
TOTAL BUILDING AREA AFTER: 2,593,809

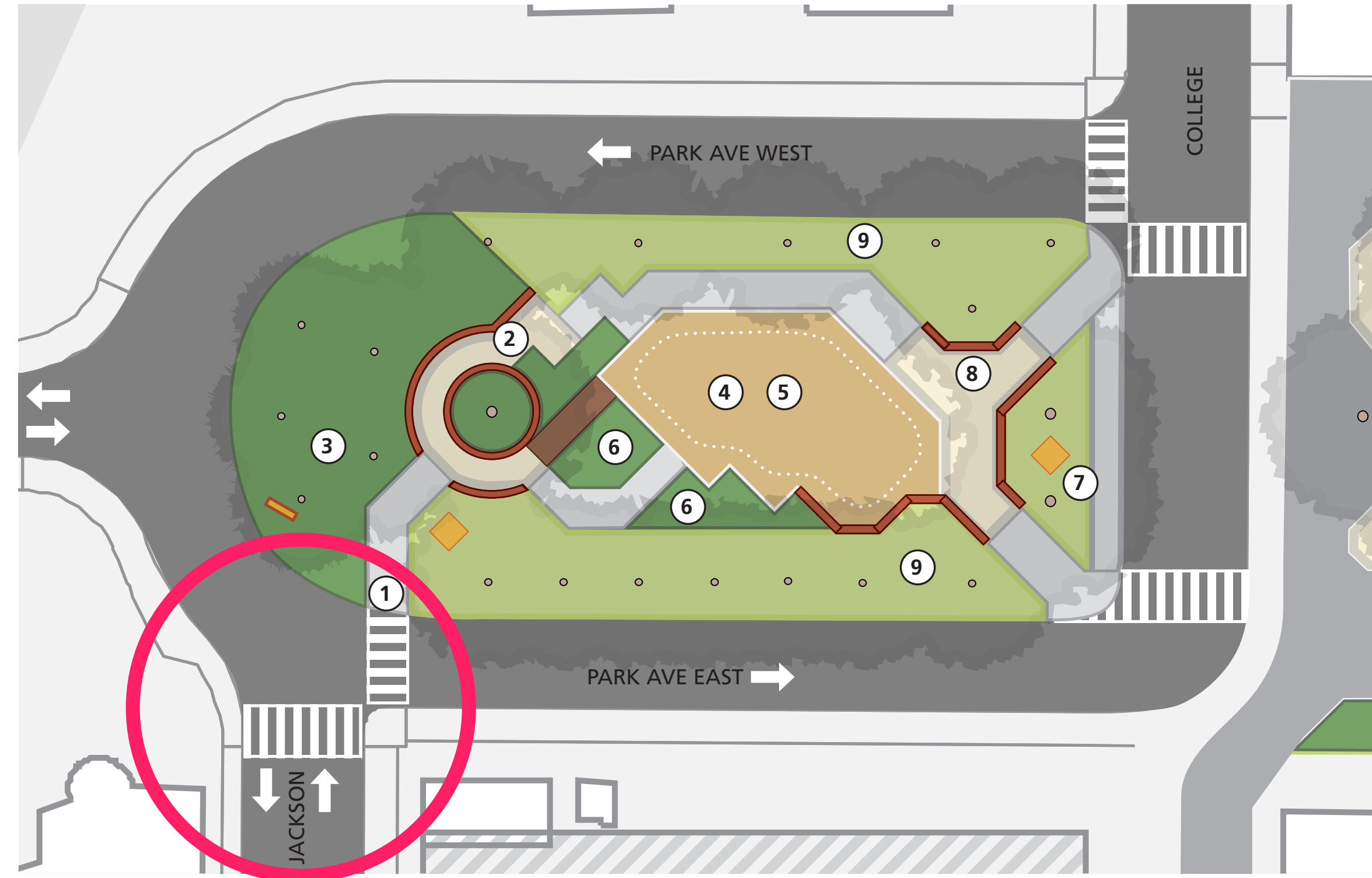
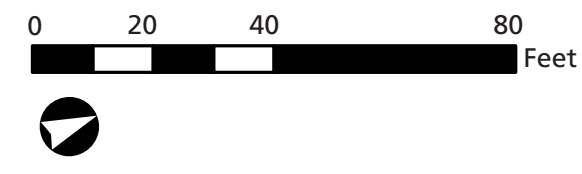
FAR BEFORE = 3.52  
FAR AFTER = 3.66

NOTES:  
METHOD UTILIZES THE 2016 DOCUMENT "ASSESSMENT OF NON-COMFORMING SITES" BY PORTLAND STATE UNIVERSITY  
BUILDING SF TAKEN FROM AREA PLANS ON PSU WEBSITE EXCLUDING BASEMENT AND SUBBASEMENT LEVELS.





**BLOCK 1 PSU PLAYGROUND GATHERING AREA**



1. New connection to Native American Student and Community Center
2. Small gathering area at mature elm
3. Native planting of conifers and low ground covers
4. Play area with accessible safety surfacing
5. Sculptural thematic play feature
6. Replace lawn with native, habitat-friendly plantings to add interest at play area
7. New location for gateway art
8. Seatwall and/or benches
9. Open lawn

LEGEND

- |  |                           |  |  |
|--|---------------------------|--|--|
|  | Building Footprint        |  | Turf / Lawn                              |
|  | Roadway                   |  | Tree Canopy                              |
|  | Pedestrian Paving         |  | Plant Bed: Native, Ornamental, or Flower |
|  | Shared Bike / Ped Zone    |  | Playground Safety Surfacing              |
|  | Cross Walk                |  |  |
|  | Gathering Areas           |  |  |
|  | Bench / Social Seating    |  |  |
|  | Small Scale Feature / Art |  |  |

**SOUTH PARK BLOCKS DEVELOPMENT PLAN**

Approved by Portland City Council 2021

**PSU SCHOOL OF ART + DESIGN SITE DESIGN**

New curb extension to support future development of playground pedestrian connection

