URBAN DESIGN COMMISSION APPLICATION

UDC

City of Madison
Planning Division
Madison Municipal Building, Suite 017
215 Martin Luther King, Jr. Blvd.
P.O. Box 2985
Madison, WI 53701-2985
(608) 266-4635

FOR OFFICE USE ONLY:

Date Received 5/30/23 11:53 a.m.

Paid _____

☐ Initial Submittal

☐ Revised Submittal

Complete all sections of this application, including the desired meeting date and the action requested. If your project requires both UDC and Land Use application submittals, a completed Land Use Application and accompanying submittal materials are also required to be submitted.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the Planning Division at (608) 266-4635.

Si necesita interprete, traductor, materiales en diferentes formatos, u otro tipo de ayuda para acceder a estos formularios, por favor llame al (608) 266-4635.

Yog tias koj xav tau ib tug neeg txhais lus, tus neeg txhais ntawv, los sis xav tau cov ntaub ntawv ua lwm hom ntawv los sis lwm cov kev pab kom paub txog cov lus qhia no, thov hu rau Koog Npaj (Planning Division) (608) 266-4635.

1. Project Information

Address (list all addresses on the project site): 18, 20, 22, and 30 North Carroll Street

Title: Wisconsin History Center

2. Application Type (check all that apply) and Requested Date

UDC meeting date requested July 12, 2023

☑ New development ☐ Alteration to an existing or previously-approved development

☐ Informational ☑ Initial Approval ☑ Final Approval

3. Project Type

☐ Project in an Urban Design District

☑ Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)

☐ Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)

☐ Planned Development (PD)

- ☐ General Development Plan (GDP)
- ☐ Specific Implementation Plan (SIP)

☐ Planned Multi-Use Site or Residential Building Complex

Signage

☐ Comprehensive Design Review (CDR)

☐ Modifications of Height, Area, and Setback

☐ Sign Exceptions as noted in Sec. 31.043(3), MGO

Other

☐ Please specify

_____

4. Applicant, Agent, and Property Owner Information

Applicant name Wisconsin Historical Society Company Wisconsin Historical Society

Street address 816 State Street City/State/Zip Madison, WI 53703

Telephone _____ Email _____

Project contact person George Austin Company Agency Representative, WHS

Street address 6120 University Avenue City/State/Zip Middleton, WI 53562

Telephone 608/692-6398 Email _____

Property owner (if not applicant) _____

Street address _____ City/State/Zip _____

Telephone _____ Email _____

URBAN DESIGN COMMISSION APPROVAL PROCESS

UDC

Introduction

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

Types of Approvals

There are three types of requests considered by the UDC:

- Informational Presentation. A request for an Informational Presentation to the UDC may be requested prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design efforts. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback. (Does not apply to CDR's or Signage Modification requests)
- Initial Approval. Applicants may, at their discretion, request Initial Approval of a proposal by presenting preliminary design information. As part of their review, the Commission will provide feedback on the design information that should be addressed at Final Approval stage.
- Final Approval. Applicants may request Final Approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the Initial Approval must be addressed at this time.

Presentations to the Commission

The Urban Design Commission meets virtually via Zoom, typically on the second and fourth Wednesdays of each month at 4:30 p.m. Applicant presentations are strongly encouraged, although not required. Prior to the meeting, each individual speaker is required to complete an online registration form to speak at the meeting. A link to complete the online registration will be provided by staff prior to the meeting. Please note that individual presentations will be limited to a **maximum of three (3) minutes**. The pooling of time may be utilized to provide one speaker more time to present, however the additional time will be based on the number of registrants from the applicant team, i.e. two (2) applicant registrants = six (6) minutes for one (1) speaker.

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics. Please note that presentation slides, in a PDF file format, are required to be submitted **the Friday before** the UDC meeting.

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

UDC

The items listed below are minimum application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

1. Informational Presentation

- ☐ Locator Map
- ☐ Letter of Intent (If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- ☐ Contextual site information, including photographs and layout of adjacent buildings/structures
- ☐ Site Plan
- ☐ Two-dimensional (2D) images of proposed buildings or structures.

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

Requirements for All Plan Sheets

1. Title block
2. Sheet number
3. North arrow
4. Scale, both written and graphic
5. Date
6. Fully dimensioned plans, scaled at 1"= 40' or larger

*** All plans must be legible, including the full-sized landscape and lighting plans (if required)*

2. Initial Approval

- ☐ Locator Map
- ☐ Letter of Intent (If the project is within a Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- ☐ Contextual site information, including photographs and layout of adjacent buildings/structures
- ☐ Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- ☐ Landscape Plan and Plant List (*must be legible*)
- ☐ Building Elevations in **both** black & white and color for all building sides, including material and color callouts
- ☐ PD text and Letter of Intent (if applicable)

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

3. Final Approval

All the requirements of the Initial Approval (see above), **plus**:

- ☐ Grading Plan
- ☐ Lighting Plan, including fixture cut sheets and photometrics plan (must be legible)
- ☐ Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- ☐ Site Plan showing site amenities, fencing, trash, bike parking, etc. (if applicable)
- ☐ PD text and Letter of Intent (if applicable)
- ☐ Samples of the exterior building materials
- ☐ Proposed sign areas and types (if applicable)

4. Signage Approval *(Comprehensive Design Review (CDR), Sign Modifications, and Sign Exceptions (per Sec. 31.043(3))*

- ☐ Locator Map
- ☐ Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Modifications criteria is required)
- ☐ Contextual site information, including photographs of existing signage both on site and within proximity to the project site
- ☐ Site Plan showing the location of existing signage and proposed signage, dimensioned signage setbacks, sidewalks, driveways, and right-of-ways
- ☐ Proposed signage graphics (fully dimensioned, scaled drawings, including materials and colors, and night view)
- ☐ Perspective renderings (emphasis on pedestrian/automobile scale viewsheds)
- ☐ Illustration of the proposed signage that meets Ch. 31, MGO compared to what is being requested
- ☐ Graphic of the proposed signage as it relates to what the Ch. 31, MGO would permit

5. Required Submittal Materials

☐ **Application Form**

- A completed application form is required for each UDC appearance. For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (Initial or Final Approval) from the UDC.

☐ **Letter of Intent**

- If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required.
- For signage applications, a summary of how the proposed signage is consistent with the applicable Comprehensive Design Review (CDR) or Signage Modification review criteria is required.

☐ **Development Plans** (Refer to checklist on Page 4 for plan details)

☐ **Filing Fee** (Refer to Section 7 (below) for a list of application fees by request type)

☐ **Electronic Submittal**

- Complete electronic submittals must be received prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. All plans must be legible and scalable when reduced. Individual PDF files of each item submitted should be submitted via email to UDCapplications@cityofmadison.com. The email must include the project address, project name, and applicant name.
- Email Size Limits. Note that an individual email cannot exceed 20MB and it is the responsibility of the applicant to present files in a manner that can be accepted. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

☐ **Notification to the District Alder**

- Please provide an email to the District Alder notifying them that you are filing this UDC application. Please send this as early in the process as possible and provide a copy of that email with the submitted application.

6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Jessica Vaughn on 3/6/23 and 3/23/23.

2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of applicant Wisconsin Historical Society Relationship to property Owner

Authorizing signature of property owner [signature], AGENCY REP. Date May 24, 2023

7. Application Filing Fees

Fee payments are due by the submittal date. Payments received after the submittal deadline may result in the submittal being scheduled for the next application review cycle. Fees may be paid in-person, via US Mail, or City drop box. If mailed, please mail to: *City of Madison Building Inspection, P.O. Box 2984, Madison, WI 53701-2984*. The City's drop box is located outside the Municipal Building at 215 Martin Luther King, Jr. Blvd. on the E Doty Street side of the building. Please make checks payable to *City Treasurer*, and include a completed application form or cover letter indicating the project location and applicant information with all checks mailed or submitted via the City's drop box.

Please consult the schedule below for the appropriate fee for your request:

☐ Urban Design Districts: $350 *(per §33.24(6) MGO)*.

☐ Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : $150 *(per §33.24(6)(b) MGO)*

☐ Comprehensive Design Review $500 *(per §31.041(3)(d)(1)(a) MGO)*

☐ Minor Alteration to a Comprehensive Sign Plan: $100 *(per §31.041(3)(d)(1)(c) MGO)*

☐ All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for Sign Modifications (of height, area, and setback), and additional sign code approvals: $300 *(per §31.041(3)(d)(2) MGO)*

A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

- Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Residential Building Complex

WISCONSIN HISTORICAL SOCIETY

URBAN DESIGN COMMITTEE SUBMITTAL

WISCONSIN'S HISTORY CENTER

continuum SMITHGROUP
ARCHITECTS + PLANNERS

May 24, 2023

Plan Commission and Urban Design Commission

Re: Conditional Use Application Letter of Intent

To Whom It May Concern:

The State of Wisconsin and the Wisconsin Historical Society are proposing to replace the current Wisconsin Historical Museum at 30 North Carroll Street on the Capitol Square with a new 116,097 square foot Wisconsin History Center. The History Center will be a flagship venue for the Society and a center for American history and community engagement. The current museum and the adjoining properties at 20 and 22 North Carroll Street will be demolished for the new facility. Construction is slated to commence in early 2024 with completion in 2026. Below is a description of how WHC complies with Downtown Urban Design Guidelines and Zoning Requirements.

URBAN DESIGN GUIDELINES | SITE DESIGN + BUILDING PLACEMENT

Orientation

The History Center sits at the prominent intersection of Carroll, Mifflin, and State Street. The conceptual building mass has taken this into consideration and intentionally shifts the volume to offer a **strong corner presence** and **respects vistas identified in the Downtown Plan**. The base of the History Center aligns to the urban context, while the rotated upper volume effectively helps the building mass visually turn the corner, opening up views from the capitol towards the Northwest as well as from the State Street pedestrian arrival towards the Capitol. This shift in plan intentionally preserves, for the public, into the future, opportunities to appreciate these planned vistas from a series of exterior building terraces. At grade, the building arrival is on Carroll Street, intentionally aligned with the Mifflin Plaza which will strengthen a currently underutilized space. The building mass holds the corner at Carroll and Mifflin, with a tall glazed interior lobby volume intentionally placed here to maximize Capitol sightlines.. The lobby façade will also offer significant transparency from Carroll to maximize pedestrians' opportunity to visually engage with the Wisconsin Historical Society's collection presented within this public lobby.

The project will pursue a reduced loading requirement for its limited back of house service requirements, and the single loading dock door along Mifflin is intended to be integrated into the building façade as to not be highly visible.

Access + Circulation

Access to the loading dock will be provided via the Mifflin Street cul-de-sac.

Landscaping

TThe Mifflin Plaza will be used during construction as the construction staging space. The plaza will be re-constructed following the building completion in its current configuration with changes only on the south end to accommodate the loading dock turning radii. The proposed plan for restoring the plaza is included for informational purposes.

Lighting

The design team has integrated lighting to **reinforce key architectural and site elements** while creating a unique and appropriate nighttime identity. Overall project light levels are being wholistically considered to ensure positive contribution to the urban **ambiance**, while considering the latest research in safety perception, control technology, and integration with smart systems.

URBAN DESIGN GUIDELINES | ARCHITECTURE

Massing

The Wisconsin History Center building mass responds to numerous contextual cues, **articulating the building in plan and profile** to best **respond to the scale within the vicinity.** Its base sits aligned to its urban context and keeps the volume down towards the scale and datum set by the existing architecture along State Street. At its top, the project aligns with the cornice of the adjacent Churchill building while incorporating an intentional reveal where the two structures meet, celebrating the Churchill Building's verticality and resolving the dynamic moves within the History Center volume. Each of these moves considers the building's contribution and impact toward important **viewsheds**, as discussed within "orientation."

Building Components

The project has considered arrival and **vantage points** from all directions. The materiality and façade details create a dynamic, engaging, and inviting experience. A lenticular façade allows a thoughtful cladding strategy that is dynamic from all perspectives. An enclosed penthouse will be provided at the roof level, below the Capitol View Preservation Limit, to **screen MEP equipment** not able to be located within the lower level.

Visual Interest

The Wisconsin History Center has been designed from an interior experience expressed outward. Significant transparency within the façade is utilized pointedly to express key public spaces within the building program while exhibit spaces are clad to ensure controlled light levels to protect the collection on display. A lenticulated façade composed of **quality materials** adds visual interest from multiple vantage points within the **urban environment**. All four sides of the building volume will share similar approach.

Building Materials

The project uses a **simple palette** of **durable materials of glass, zinc and steel.** These materials enrich **the pedestrian environment through use of scale, color texture, + details.** The design intends to respect the surrounding material context of the Capitol Square while ensuring the History Center as a uniquely identifiable landmark.

Terminal Views and Highly Visible Corners

The Wisconsin History Center sits at a prime location to be bold and achieve this guideline. The building parti distinctly **emphasizes** its unique **location** in the urban context while respecting its context.

Signage

The project is using a **simple and clear** exterior signage approach for an **architecturally compatible** and **integrated** solution.

PROJECT SPECIFIC ZONING CONSIDERATIONS + APPROACHES

Zoning District : *DC Downtown Core*

Capitol View Preservation Limit: *The building sits below the Capitol View Preservation Limit..*

Setback Requirements : *No setback requirements on either street.*

Loading : *WHC is in compliance as their loading is off Mifflin Street.*

Entrance Orientation: Primary building entrances on all new buildings shall be oriented to the primary abutting public street and have a functional door. The History Center's primary entrance is on North Carroll Street.

Story Heights + Treatments : *The City of Madison has recently amended thestory height requirements portion of the Zoning Ordinance. The new WHC complies with the updated ordinance.*

For non-residential uses, the average ground story floor elevation shall not be lower than the front sidewalk elevation nor higher than eighteen (18) inches above the sidewalk elevation. *Project Approach: Due to the slope on the site, there will be portions of Level 01 that will be both below the sidewalk elevation and more than 18'' above the sidewalk elevation. By increasing the ground floor glazing, WHC activates the façade to views in to the 3-level lobby space, even if it floor elevation is offset from the sidewalk.*

Door and Window Openings . For street-facing facades with ground story non-residential uses, the ground story door and window openings shall comprise a minimum of fifty percent (50%) of the facade area. *Project Approach: WHC's street-facing ground floor façades of Carroll and Mifflin Streets are ~58% glazing.*

For all buildings, upper story openings shall comprise a minimum of fifteen percent (15%) of the facade area per story. *Project Approach: The upper stories are 15.6% glazing when including the 3 visible facades. Due to the possible future development along the private alley as well as code required fire ratingsdue to being adjacent to the property line, WHC focuses its glazing on the two street-facing facades – when only considering street-facing facades our glazing percentage is 23%. For this calculation, we are considering Mifflin Plaza a street-facing façade. The exterior wall adjacent to Churchill Building is not included in the calculation as it will be hidden. The design team is also meeting requirements set by the DFD design standards.*

Glass on all windows and doors shall be clear or slightly tinted, allowing views into and out of the interior. Spandrel glass may be used on service areas on the building. *Project Approach: WHC complies.*

Equipment and Service Area Screening: Outdoor loading areas or mechanical equipment are not permitted in the front yard. When visible from an abutting public street or walkway, they shall be screened by a decorative fence, wall, or screen of plant material. *Project Approach: All equipment and screening will occur within the building or on the roof.*

Screening of Rooftop Equipment: All rooftop equipment, with the exception of solar and wind equipment, shall be screened from view from adjacent streets and public rights-of-way. Rooftop equipment shall be screened from view from adjacent buildings to the extent possible. *Project Approach: Screening provided at rooftop equipment.*

The equipment shall be within an enclosure. This structure shall be set back a distance of one and one-half (1½) times its height from any primary facade fronting a public street. Screens shall be of durable, permanent materials (not including wood) that are compatible with the primary building materials. (Am. by ORD-15-00104, 10-15-15) *Project Approach: Screening will be held off of Carroll Street and Mifflin plaza by a minimum of 27'-0'' as this is 1 ½ times the height.*

Bird Safe Glass Requirements: (4) Glass areas on the following buildings or structures shall be treated to reduce the risk of bird collisions by incorporating a pattern of visual markers that are either: a) dots or other isolated shapes that are ¼" in diameter or larger and spaced at no more than a two-inch (2") by two-inch (2") pattern; or b) lines that are ⅛" in width or greater and spaced no more than 2" apart; low reflectance opaque materials; building-integrated structures like non-glass double-skin facades, metal screens, fixed solar shading, exterior insect screens, and other features that cover the glass surface; or other similar mitigation treatments approved by the Zoning Administrator. *WHC will utilize option A for the bird safe requirements*

(a) Buildings or structures over 10,000 square feet . For any building or structure over 10,000 square feet in size (floor area of above-grade stories), bird-safe glass treatment is required as follows:
1. For building façades where the first sixty (60) feet (see REVISED Figure 2) from grade are comprised of greater than or equal to fifty percent (50%) glass:
   a. At least eighty-five percent (85%) of the glass must be treated - *WHC will comply, currently showing 85% in elevation.*
   b. All glass within fifteen (15) feet of a building corner must be treated when see through or fly through conditions exist. See Figure 3. - *WHC will comply*
2. For building façades where the first sixty (60) feet from grade are comprised of less than fifty percent (50%) glass: - *Not applicable*
   a.At least eighty-five percent (85%) of the glass on glass areas fifty (50) square feet or over must be treated; and
   b. Of all glass areas over fifty (50) square feet, any glass within fifteen (15) feet of a building corner must be treated.
3. All glass railings must be treated. - *WHC will comply*
4. All glass on enclosed building connections shall be treated up to sixty (60) feet above-grade.
   (b) Sky-bridges . For buildings and structures of any size, all glass on above-ground bridges must be treated. - *Not applicable*
   (c)At-grade glass . For buildings and structures of any size, all at-grade glass features such as sound walls or glass screens must be treated." - *Not applicable*

Parking Requirements: *Project Approach: No automobile parking is required and WHC is not providing any. Bicycle parking is required at 1 per 2,000 SF. WHC is ~110,000 GSF and so requires 55 bicycle parking spots. WHC will provide 6 bicycle stalls in inside the building, and the WHC will pursue working with the City of Madison to locate the remainder of these bicycle parking spots within the Mifflin Plaza.*

Off-Street Loading Requirements: *Project Approach: Based on the loading requirements table and GSF of the building, 3 loading spaces should be provided. Due to the infrequency of deliveries because of the use of the building, only 1 interior, conditioned loading space will be provided. This loading space meets the loading size requirements.*

Landscape Requirements: *Project Approach: The building will be built to the lot line on all four sides.*

Screening of Other Site Elements: *Project Approach: None of the items listed in this section are positioned on grade.*

Development Adjacent to a Landmark or Landmark Site: *Project Approach: The building isn't adjacent to a City landmarked property.*

Encroachments : *Project Approach: Soil retention systems and MG&E Electrical vault and Main Electrical Room along Carroll/Mifflin Street. WHC will work with the City to determine an appropriate agreement.*

Thank you for your consideration,

George E. Austin, Agency Representative
Wisconsin History Center Project
Wisconsin Historical Society

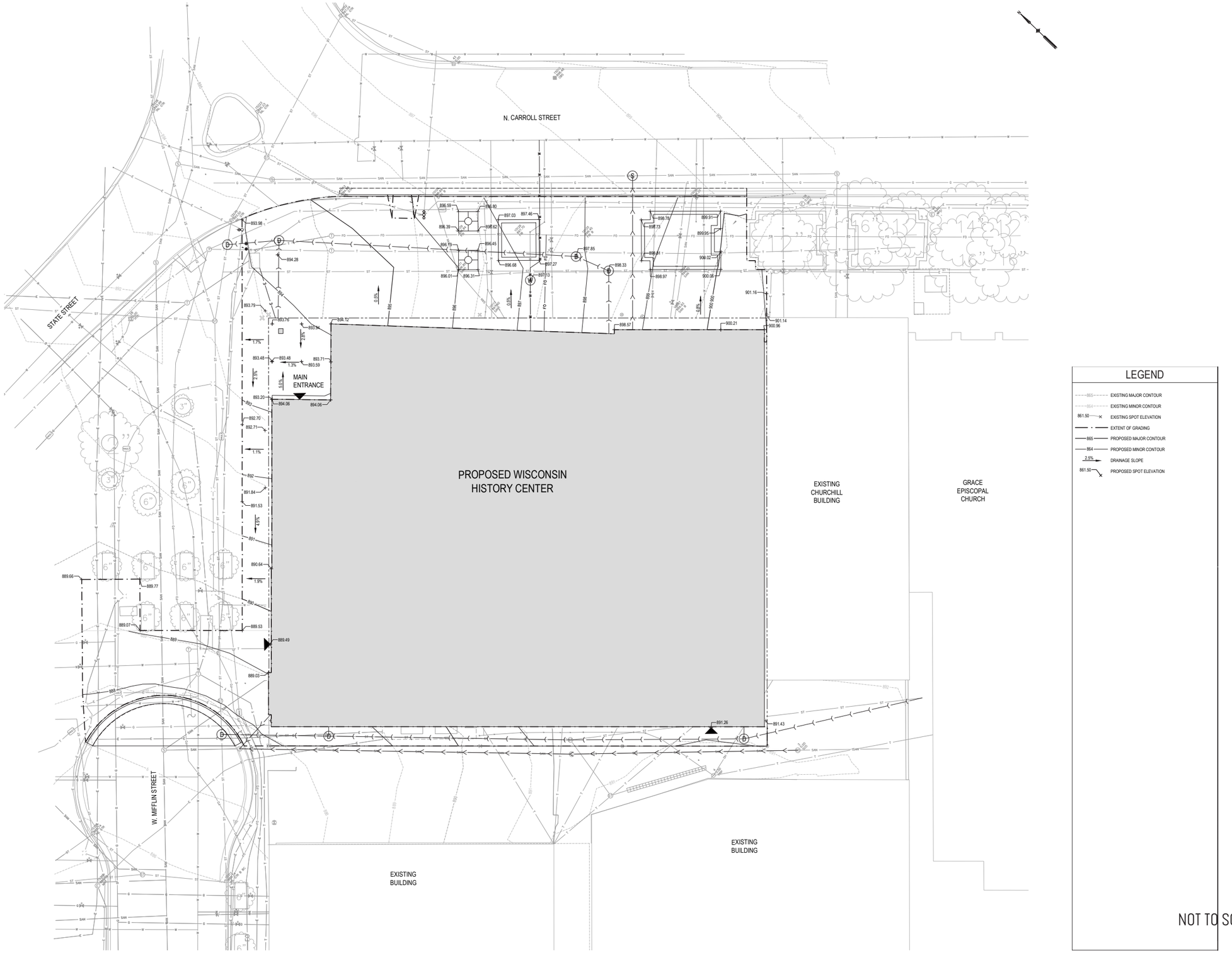
CAPITOL SQUARE CHARACTER - MIFFLIN STREET

CAPITOL SQUARE CHARACTER - CARROLL STREET

SITE CONTEXT

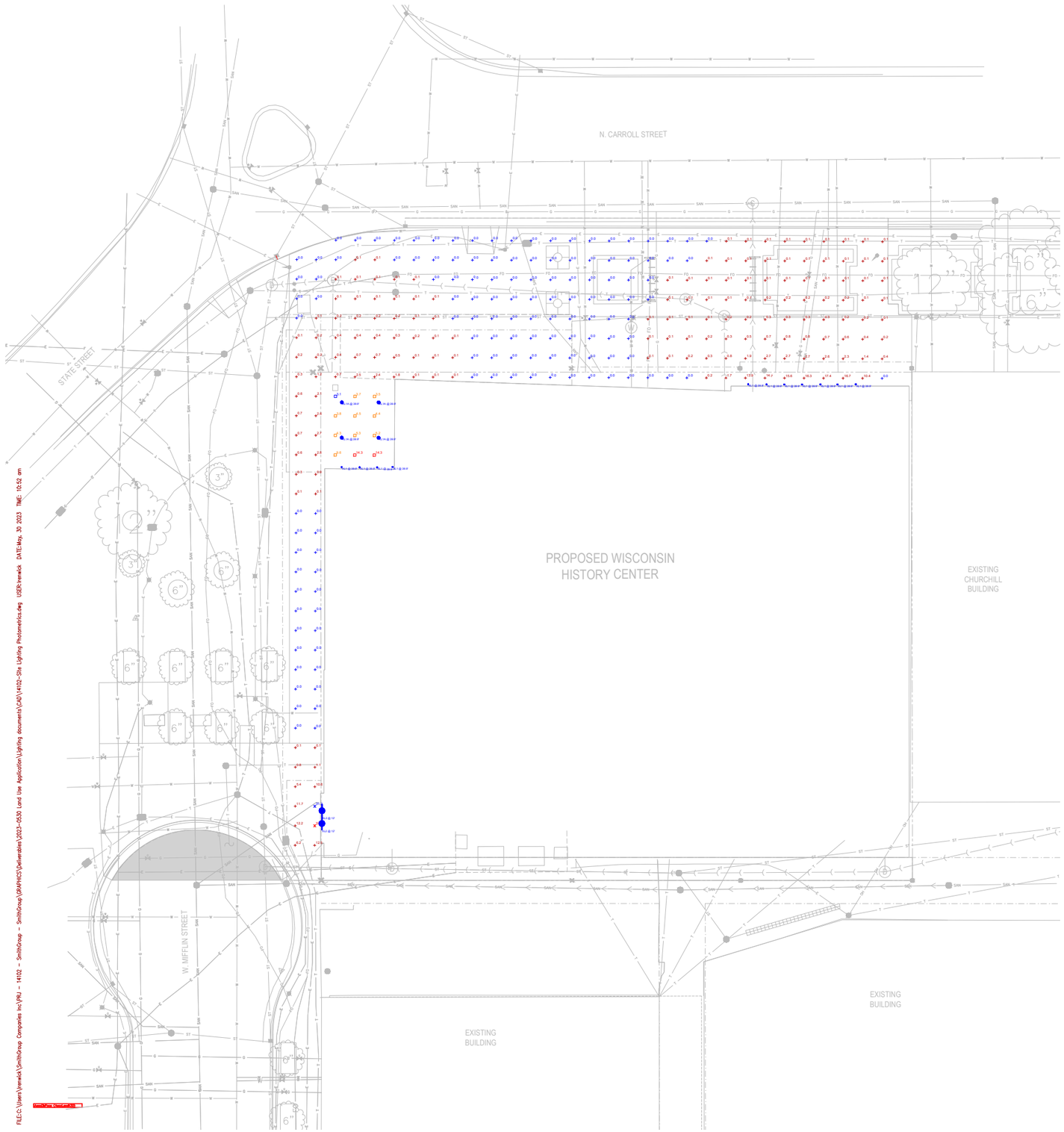
CAPITOL SQUARE CHARACTER - MAIN STREET

CAPITOL SQUARE CHARACTER - PINCKNEY STREET



FILE:C:\Users\Vskosh\SmithGroup Companies Inc\VPU – 14102 – SmithGroup – SmithGroup\CAD\05 Civil\19K2R-00-C300.dwg USER:Vskosh DATE:May. 30, 2023 TIME: 10:19 am

GRADING PLAN



Schedule

Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
	XL1	11	WE-EF USA	134-6106_us	DOC110 LED, Ceiling Luminaires DOC110 [VNS] IP66 LED-6/12W/3K,DOC110 LED, Ceiling Luminaires	6	226	0.7	15
	XL1A	4	WE-EF USA	134-6102_us	DOC110 LED, Ceiling Luminaires DOC110 [M] IP66 LED-6/12W/3K,DOC110 LED, Ceiling Luminaires	6	214	0.7	15
	XL2	2	BEGA Converted by LUMCat V 12.04.2017 / H.R.		24 313	1	4305	0.7	36

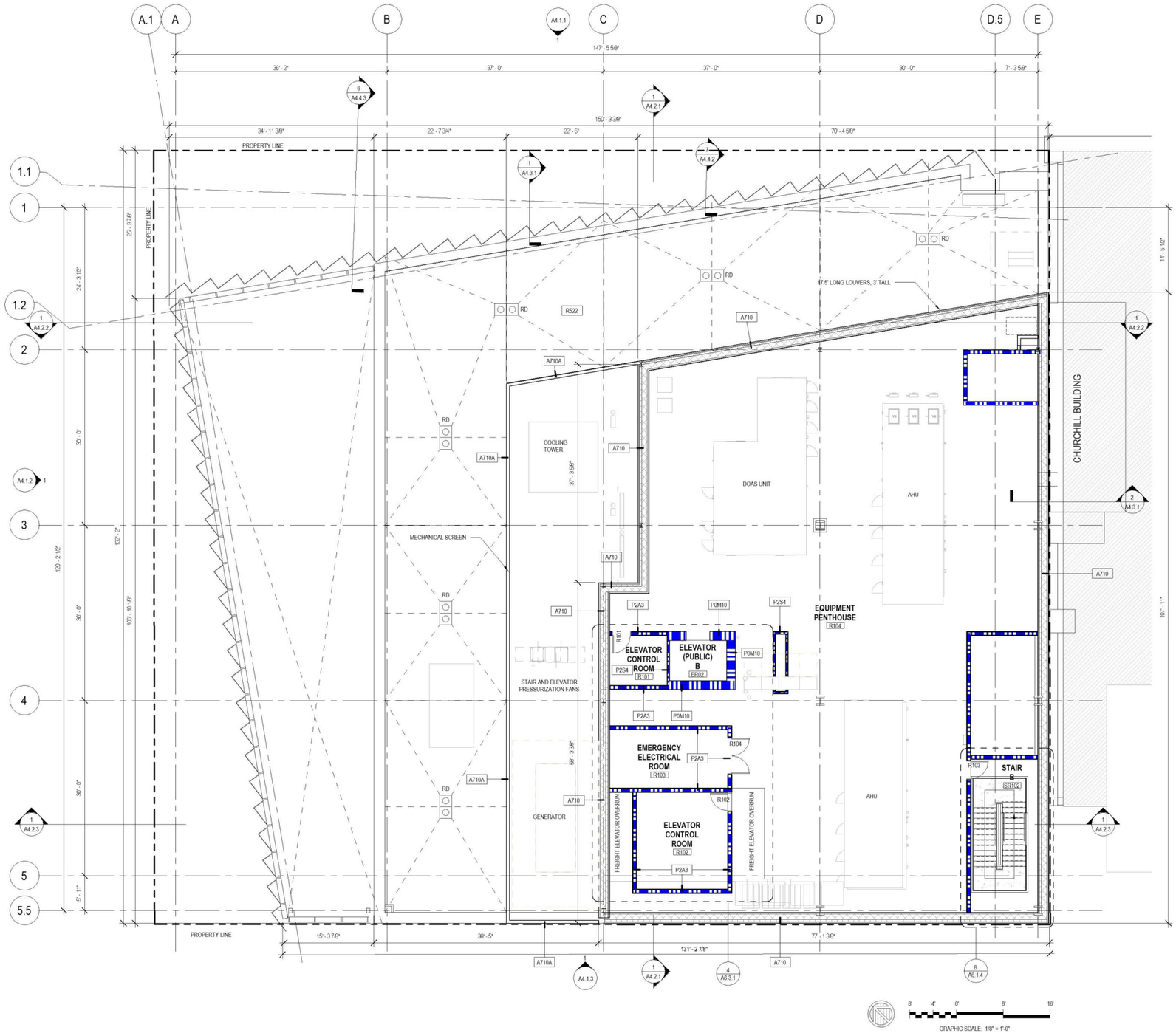
Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Entry Canopy		6.3 fc	14.3 fc	3.1 fc	4.6:1	2.0:1
Loading Dock		32.1 fc	32.9 fc	31.2 fc	1.1:1	1.0:1
Calc Zone #1		1.2 fc	32.9 fc	0.0 fc	N/A	N/A

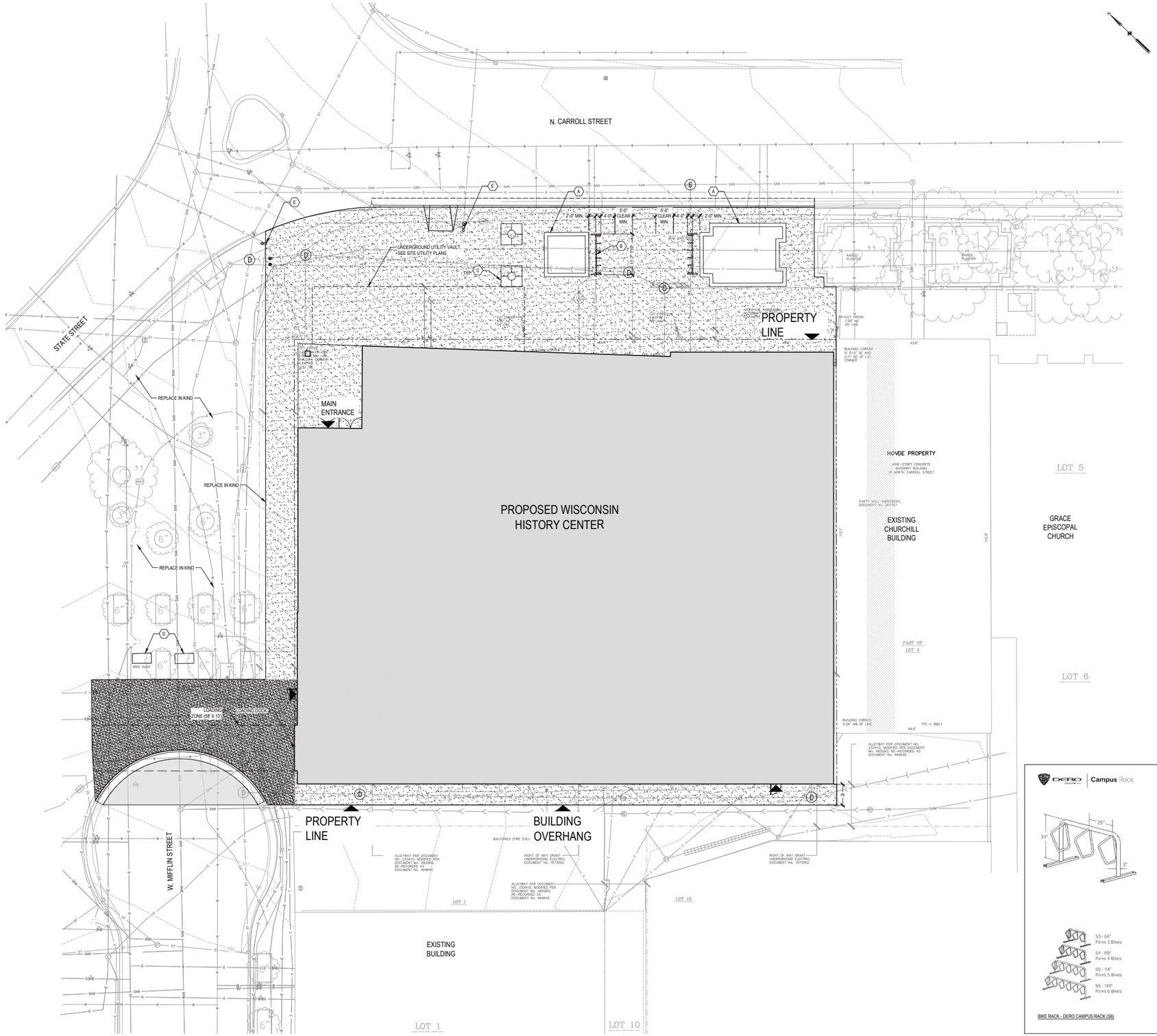
NOT TO SCALE

FILE:C:\Users\Vremeick\SmithGroup Companies Inc\PW - 14102 - SmithGroup - SmithGroup\GRAPHICS\Deliverables\2023-0530 Land Use Application\Lighting documents\CAD\14102-Site Lighting Photometrics.dwg USER:lremeick DATE:May. 30 2023 TIME: 10:52 am

LIGHTING PHOTOMETRICS


A.1
A
B
C
D
D.5
E
147' - 5.56"
36' - 2"
37' - 0"
37' - 0"
30' - 0"
7' - 3.56"
150' - 3.36"
34' - 11.38"
22' - 7.34"
22' - 6"
70' - 4.56"
PROPERTY LINE
1.1
1
1.2
2
3
4
5
5.5
25' - 3.78"
24' - 3.16"
30' - 0"
132' - 2"
120' - 2.16"
30' - 0"
30' - 10.18"
30' - 0"
5' - 11"
14' - 5.16"
16' - 11"
17.5' LONG LOUVERS, 3' TALL
RD
R522
A710
A710A
COOLING TOWER
37' - 3.56"
DOAS UNIT
AHU
CHURCHILL BUILDING
MECHANICAL SCREEN
STAIR AND ELEVATOR PRESSURIZATION FANS
GENERATOR
58' - 3.36"
EQUIPMENT PENTHOUSE
R104
P2A3
P0M10
P2S4
R101
ELEVATOR CONTROL ROOM
R101
ELEVATOR (PUBLIC) B
ER02
EMERGENCY ELECTRICAL ROOM
R103
ELEVATOR CONTROL ROOM
R102
R102
R103
STAIR B
SR102
FREIGHT ELEVATOR OVERRUN
FREIGHT ELEVATOR OVERRUN
15' - 3.78"
39' - 5"
77' - 1.36"
131' - 2 7/8"
8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

ROOF PLAN



SHEET NOTES

1. ALL STREET IMPROVEMENTS AND FURNISHINGS SHALL MATCH EXISTING.
2. ALL TREES REMOVED DURING CONSTRUCTION WILL BE REPLACED IN KIND UNLESS OTHERWISE INDICATED.
3. ALL WORK IN R.O.W. MUST MEET CITY OF MADISON REQUIREMENTS.
4. EXISTING SIGNAGE TO REMAIN UNLESS OTHERWISE INDICATED.

KEYED NOTES

- (A) RAISED GRANITE PLANTER
- (B) BIKE RACK
- (C) TREE GRATE
- (D) RELOCATED SALVAGED BIKE RACK
- (E) EXISTING LIGHTING, REPLACE IN KIND

LEGEND

- PROPERTY LINE
- EASEMENT
- ASPHALT PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- CONCRETE PAVEMENT
- MOUNTABLE CURB & GUTTER
- STANDARD CURB & GUTTER
- LITTER RECEPTACLE
- RECYCLING RECEPTACLE

1 C002

LAND USE SUMMARY TABLE

	AREA
SITE AREA	20,373 SF
BUILDING SQUARE FOOTAGE	116,097 GSF
BUILDING FOOTPRINT	18,348 SF
LOT COVERAGE	90%
USABLE OPEN SPACE	465 SF
LANDSCAPE AREA	0 SF
PARKING	0 STALLS
BIKE PARKING	18 BIKES
EXISTING IMPERVIOUS	20,373 SF
PROPOSED IMPERVIOUS	20,373 SF

DERO | Campus Rack — Submittal Sheet

CAPACITY: 3 ft Bikes

MATERIALS: **Centerbeam:** 3" OD 7 gauge tube. **Arms:** 1.25" OD 11 gauge tube. All welds to be continuous MIG welds

FINISHES:
- ☐ **Galvanized** — An after fabrication hot dipped galvanized finish is our standard option.
- ☐ **Powder Coat** — Our powder coat finish assures a high level of adhesion and durability by following these steps: 1. Sandblast 2. Epoxy primer electrostatically applied 3. Final thick TGIC polyester powder coat.
- ☐ **Stainless** — Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.

MOUNT OPTIONS:
- ☐ **Surface** — Foot Mount has 3.4" x 3" channel feet and can be left freestanding or anchored to the ground. Tamper-resistant fasteners available upon request.
- ☐ **In-Ground** — In-ground mount is embedded into concrete base. Specify in-ground mount for this option

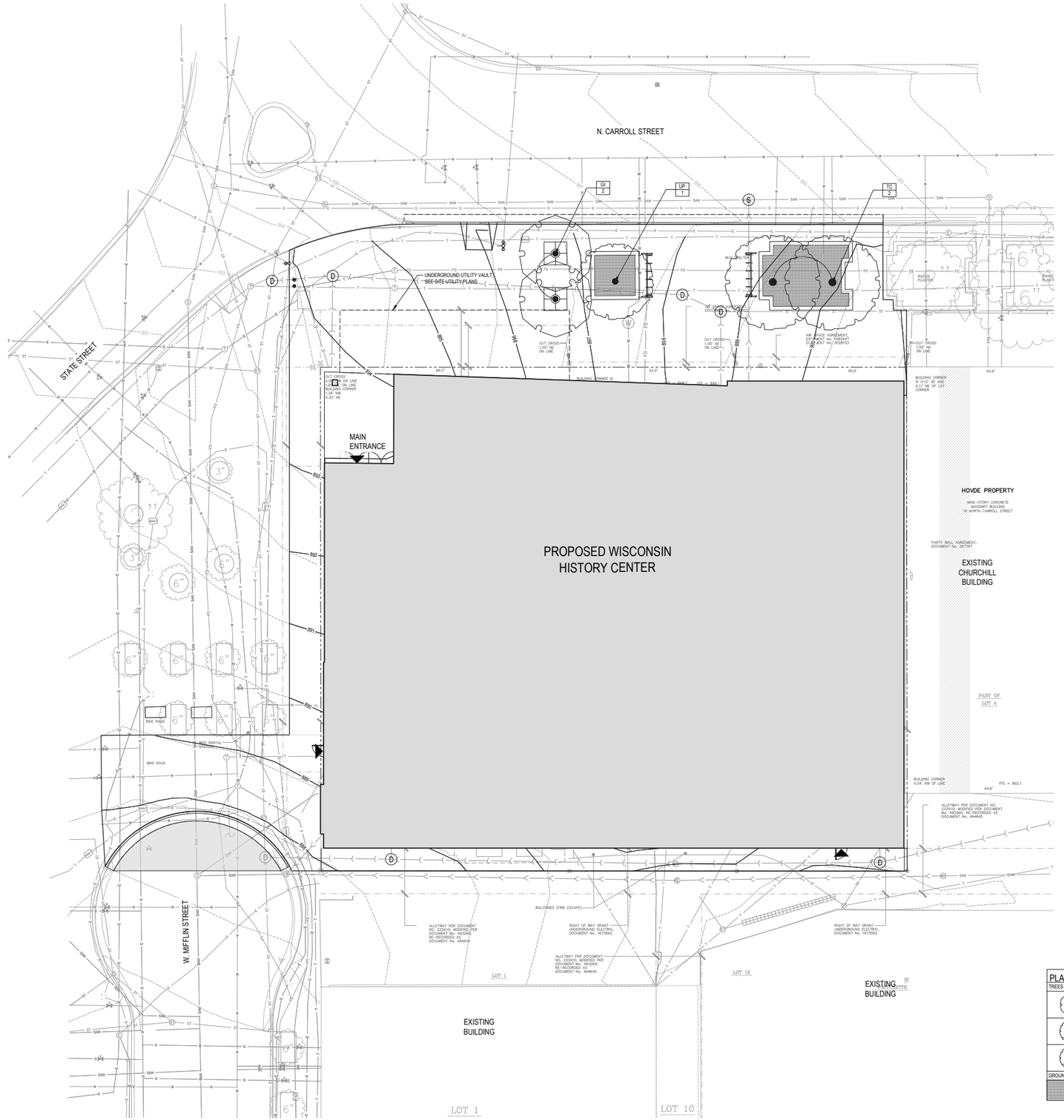
BIKE RACK - DERO CAMPUS RACK (S6)

NOT TO SCALE

FILE: C:\Users\jwest\SmithGroup Companies Inc\PW2 - 14102 - SmithGroup - SmithGroup\CAD\05 Civil\19K2R-00-C200.dwg USER: jwest DATE: May. 30 2023 TIME: 10:22 am

5/30/2023

SITE PLAN



NOT TO SCALE

SHEET NOTES

1. ALL TREES REMOVED DURING CONSTRUCTION WILL BE REPLACED IN KIND UNLESS OTHERWISE INDICATED.
2. THE FINAL STREET TREE SPECIES SELECTION WILL BE DETERMINED BY CITY FORESTRY.
3. THIS PROJECT IS NOT IN COMPLIANCE WITH THE LANDSCAPE WORKSHEET DUE TO URBAN CONDITIONS AND IS REQUESTING A HARDSHIP DUE TO ZERO LOT LINES IN AN URBAN CONDITION.

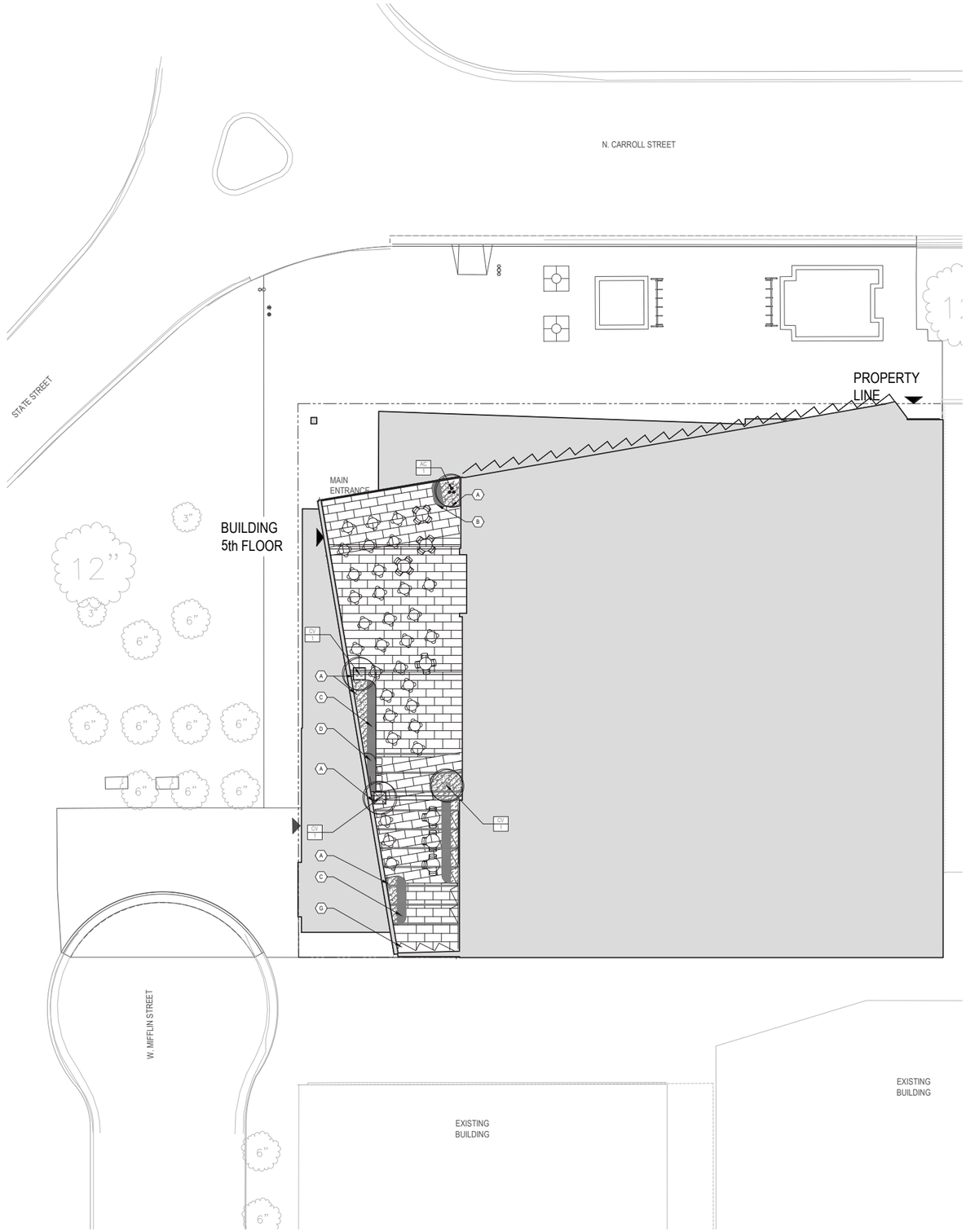
KEYED NOTES

LEGEND

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	FORM		REMARKS
	GI	2	GLEDITSIA TRIACANTHOS INERMIS 'SKYCOLE' / SKYLINE® HONEY LOCUST	2.5" CAL.	B&B		
	TC	2	TILIA CORDATA / LITTLELEAF LINDEN	2.5" CAL.	B&B		
	UP	1	ULMUS X 'NEW HORIZON' / NEW HORIZON ELM	2.5" CAL.	B&B		
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	FORM	SPACING	REMARKS
		441 SF	LAWN	--			

LANDSCAPE AND STREET TREE PLAN



NOT TO SCALE

SHEET NOTES

1. ALL INTENSIVE PLANTERS SHALL HAVE LIGHTWEIGHT SOIL.
2. ALL INTENSIVE PLANTERS (SOIL DEPTH 12" OR GREATER) AND VEGETATED, LIVING WALL SHALL HAVE IRRIGATION.
3.

KEYED NOTES

- (A) MODULAR, METAL PLANTER, VARIED 18"-42" HEIGHT
- (B) CANTILEVERED, WOOD BENCH, 18" HEIGHT
- (C) CANTILEVERED, WOOD TABLE, 30" HEIGHT
- (D) CANTILEVERED, WOOD TABLE, 40" HEIGHT
- (E) PAVER ON PEDESTAL SYSTEM
- (F) VEGETATED, LIVING WALL
- (G) WATER WALL

LEGEND

PROPERTY LINE

PAVER ON PEDESTAL SYSTEM

PLANT SCHEDULE

ORNAMENTAL TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	FORM		REMARKS
	AC	1	AMELANCHIER X GRANDIFLORA 'COLE'S SELECT' / COLE'S SELECT APPLE SERVICEBERRY	6' HT.	B&B		MULTI-STEM
	CV	3	CRATAEGUS VIRIDIS 'WINTER KING' / WINTER KING HAWTHORN	6 - 8' HT.	CONT.		MULTI-STEM
GROUND COVERS	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**SIZE**	**FORM**	**SPACING**	**REMARKS**
		128 SF	PERENNIAL PLANTING BED				12-24" OF GROWING MEDIA AND SEPARATION FABRIC
	AM	8	ACHILLEA MILLEFOLIUM / COMMON YARROW	12" SPD.	PLUG	6% @ 12" o.c.	
	AF	2	AGASTACHE X 'BLUE FORTUNE' / BLUE FORTUNE ANISE HYSSOP	24" SPD.	NO. 1 CONT.	4% @ 24" o.c.	
	AC3	7	ALLIUM CANADENSE / MEADOW GARLIC	12" SPD.	PLUG	5% @ 12" o.c.	
	AC2	6	ALLIUM CERNUUM / NODDING ONION	12" SPD.	PLUG	4% @ 12" o.c.	
	AT	2	ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED	18" SPD.	PLUG	2% @ 18" o.c.	
	BA	1	BAPTISIA ALBA / WHITE WILD INDIGO	36" SPD.	NO. 1 CONT.	2% @ 36" o.c.	
	CM	2	CALAMINTHA NEPETA 'MONTROSE WHITE' / MONTROSE WHITE LESSER CALAMINT	18" SPD.	NO. 1 CONT.	3% @ 18" o.c.	
	DC	8	DALEA CANDIDA / WHITE PRAIRIE CLOVER	12" SPD.	PLUG	6% @ 12" o.c.	
	DP	8	DALEA PURPUREA / PURPLE PRAIRIE CLOVER	12" SPD.	PLUG	6% @ 12" o.c.	
	EP	8	ECHINACEA PALLIDA / PALE PURPLE CONEFLOWER	36" HT..	PLUG	6% @ 12" o.c.	
	FV	16	FRAGARIA VIRGINIANA / WILD STRAWBERRY	6" HT..	PLUG	12% @ 12" o.c.	
	GT	32	GEUM TRIFLORUM / PRAIRIE SMOKE	6" HT..	PLUG	6% @ 6" o.c.	
	LC	8	LIATRIS CYLINDRACEA / CYLINDRICAL BLAZING STAR	24" HT..	PLUG	6% @ 12" o.c.	
	MB	8	MONARDA FISTULOSA / BERGAMOT	24" HT..	PLUG	6% @ 12" o.c.	
	SS	18	SCHIZACHYRIUM SCOPARIUM 'STANDING OVATION' / STANDING OVATION LITTLE BLUESTEM	24" HT..	NO. 1 CONT.	13% @ 12" o.c.	
	ST	8	SPOROBOLUS HETEROLEPIS 'TARA' / TARA PRAIRIE DROPSEED	18" HT..	NO. 1 CONT.	13% @ 18" o.c.	

LANDSCAPE PLAN - LEVEL 5

SHEET NOTES

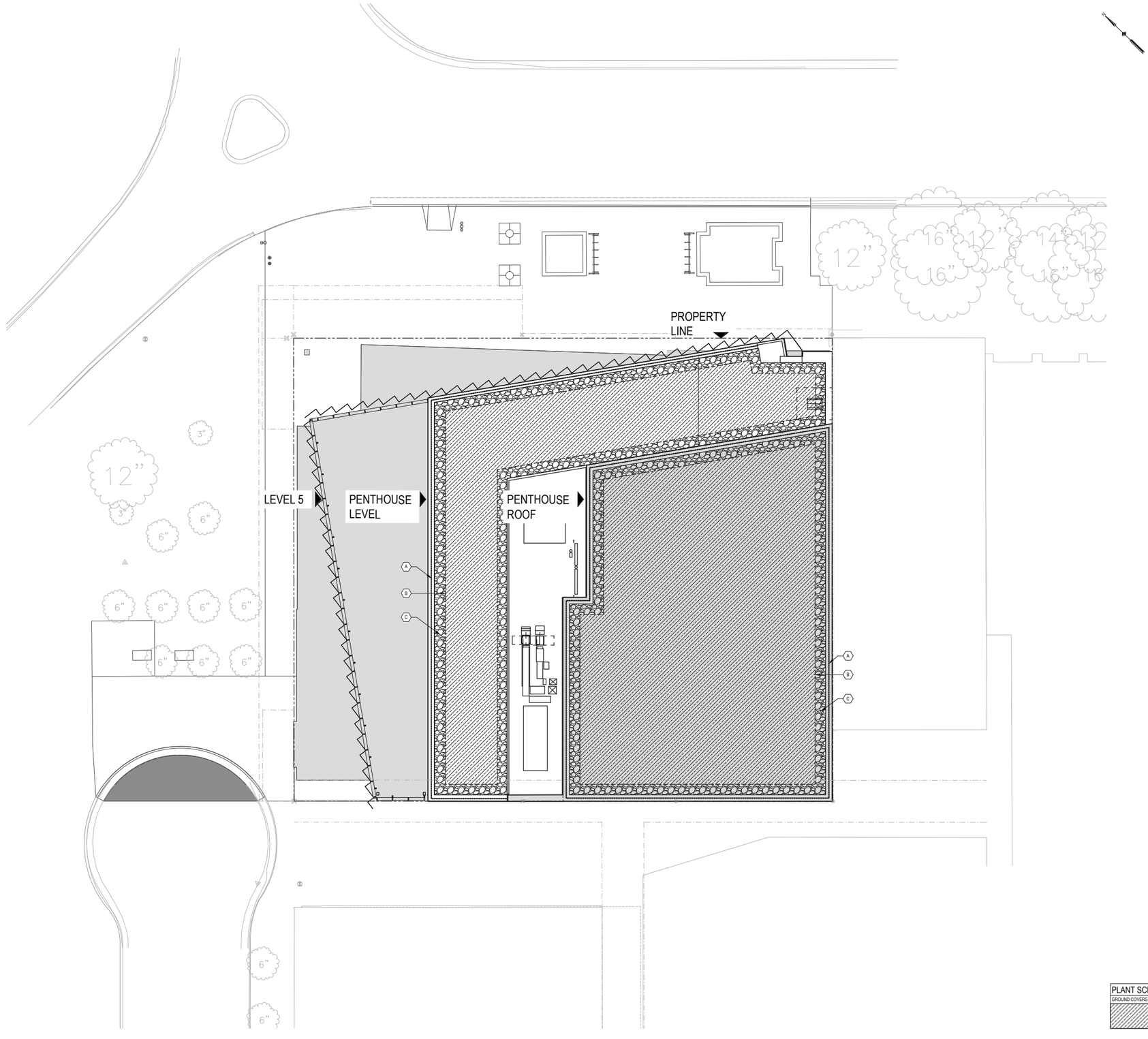
1. EXTENSIVE PLANTING SHALL HAVE LIGHTWEIGHT SOIL MEDIUM.
2. WATER AND POWER ACCESS SHALL BE PROVIDED AT PENTHOUSE LEVEL.

KEYED NOTES

- (A) ROOFTOP GUARDRAIL
- (B) 9" HIGH METAL ANGLE
- (C) LIGHTWEIGHT, ROUNDED ¾" GRAVEL

LEGEND

PROPERTY LINE



NOT TO SCALE

PLANT SCHEDULE				
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	REMARKS
		9,136 SF	SEDUM BLANKET MIX	6" CONTINUOUS SOIL MEDIUM

LANDSCAPE PLAN - PENTHOUSE

METAL PANEL MECHANICAL SCREEN

METAL PANEL WALL

PREWEATHERED ZINC AND STAINLESS STEEL PERFORATED METAL PANELS

TRIANGULATED CURTAIN WALL WITH FRIT

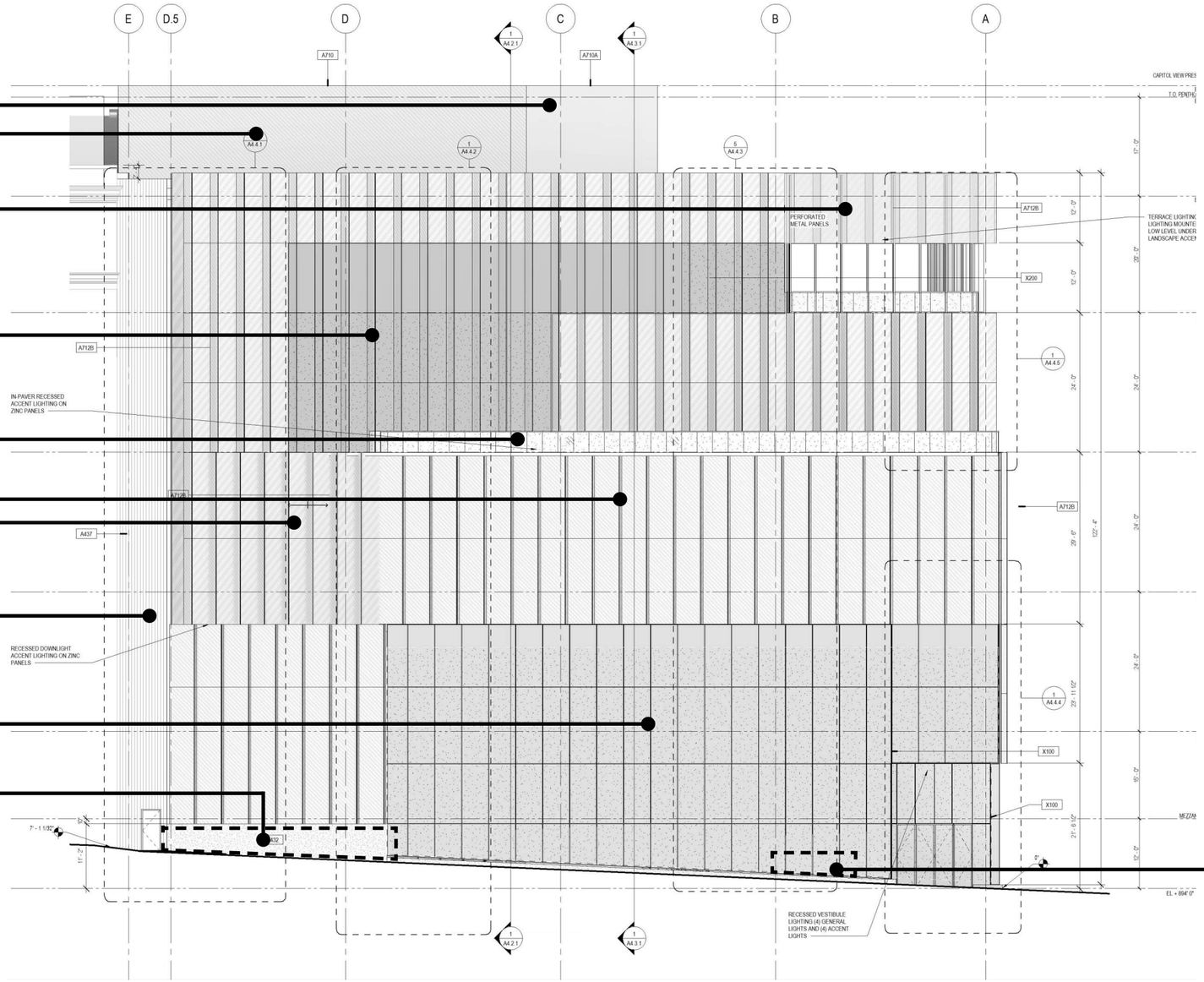
GLASS GUARDRAIL AT TERRACES

TRIANGULATED PREWEATHERED ZINC AND STAINLESS STEEL METAL PANELS

PRECAST CONCRETE

STEEL CURTAIN WALL

SIGNAGE ETCHED INTO GRANITE PLINTH



FROSTED FILM SIGNAGE ON GLASS

NORTHEAST ELEVATION

NTS

NORTHEAST COLOR ELEVATION

METAL PANEL MECHANICAL SCREEN

METAL PANEL WALL

PREWEATHERED ZINC AND STAINLESS STEEL PERFORATED METAL PANELS

GLAZING, BEYOND

OPENING IN SCREEN WALL TO TERRACE

TRIANGULATED PREWEATHERED ZINC AND STAINLESS STEEL METAL PANELS

GLASS GUARDRAIL AT TERRACES

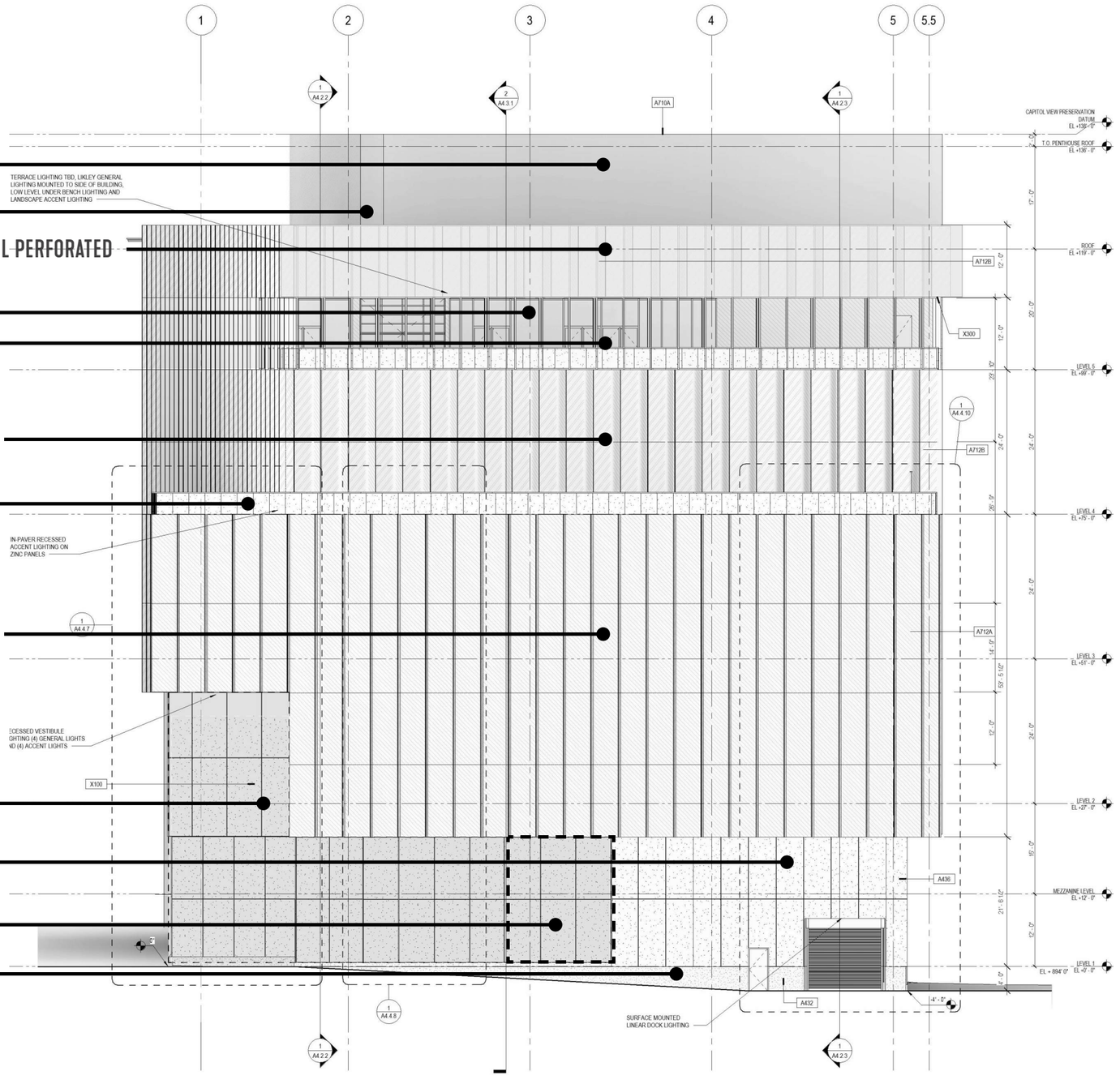
TRIANGULATED PREWEATHERED ZINC AND STAINLESS STEEL METAL PANELS

STEEL CURTAIN WALL

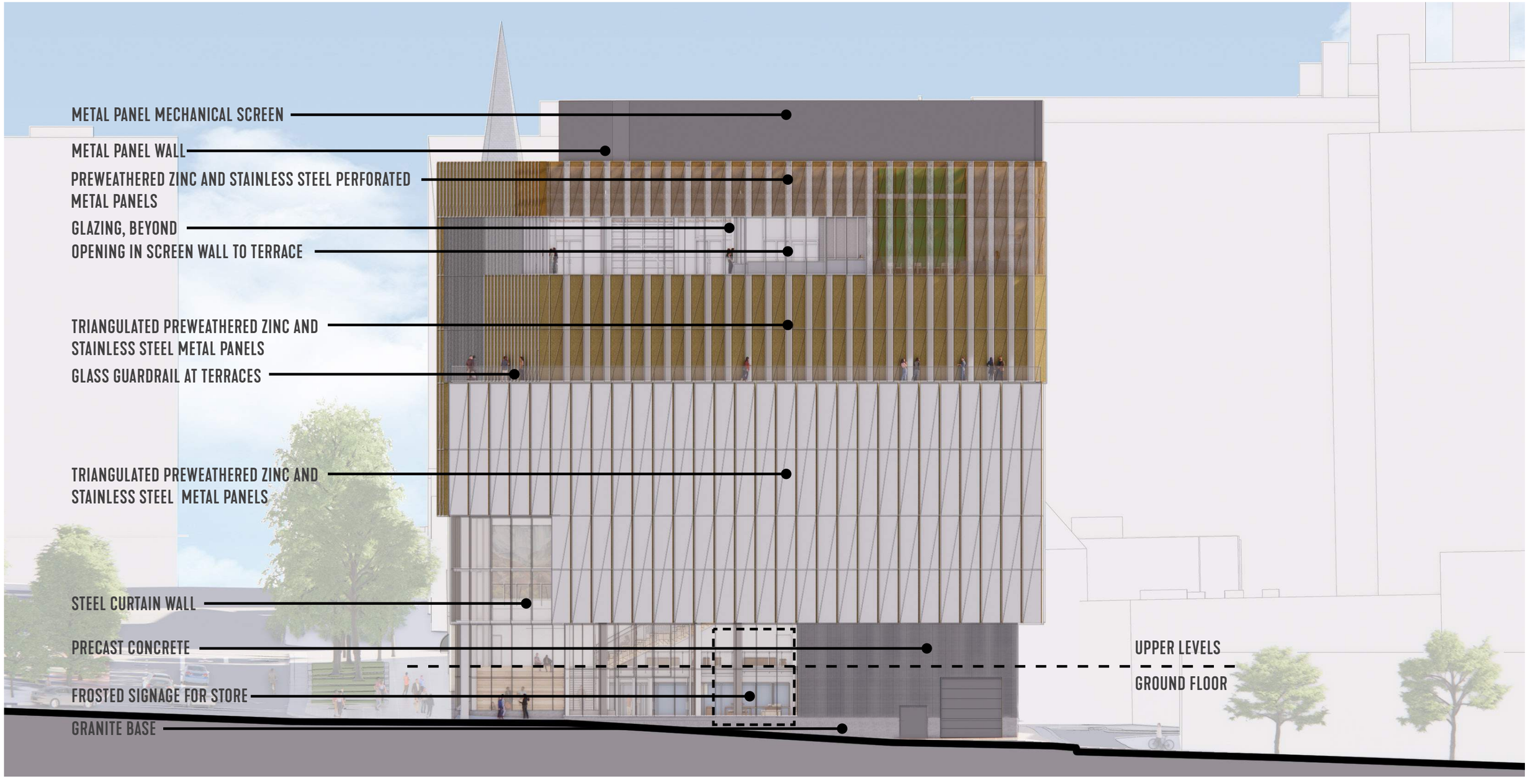
PRECAST CONCRETE

FROSTED SIGNAGE FOR STORE

GRANITE BASE

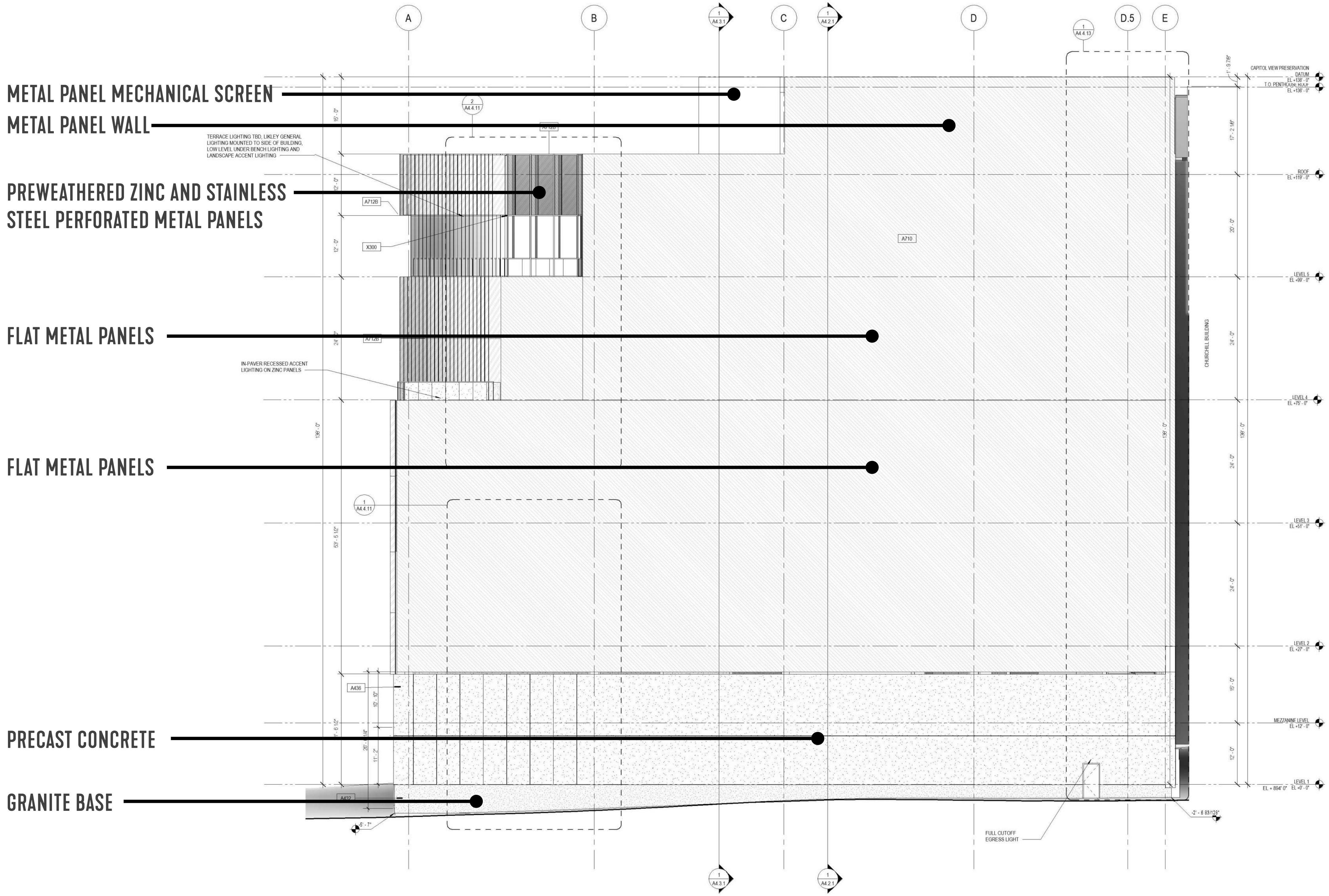


NORTHWEST ELEVATION



NTS

NORTHWEST COLOR ELEVATION



SOUTHWEST ELEVATION

**NOT A STREET FACING FACADE
NTS

SOUTHWEST COLOR ELEVATION

5/30/2023

PERSPECTIVE VIEW FROM CORNER OF MIFFLIN AND CARROLL

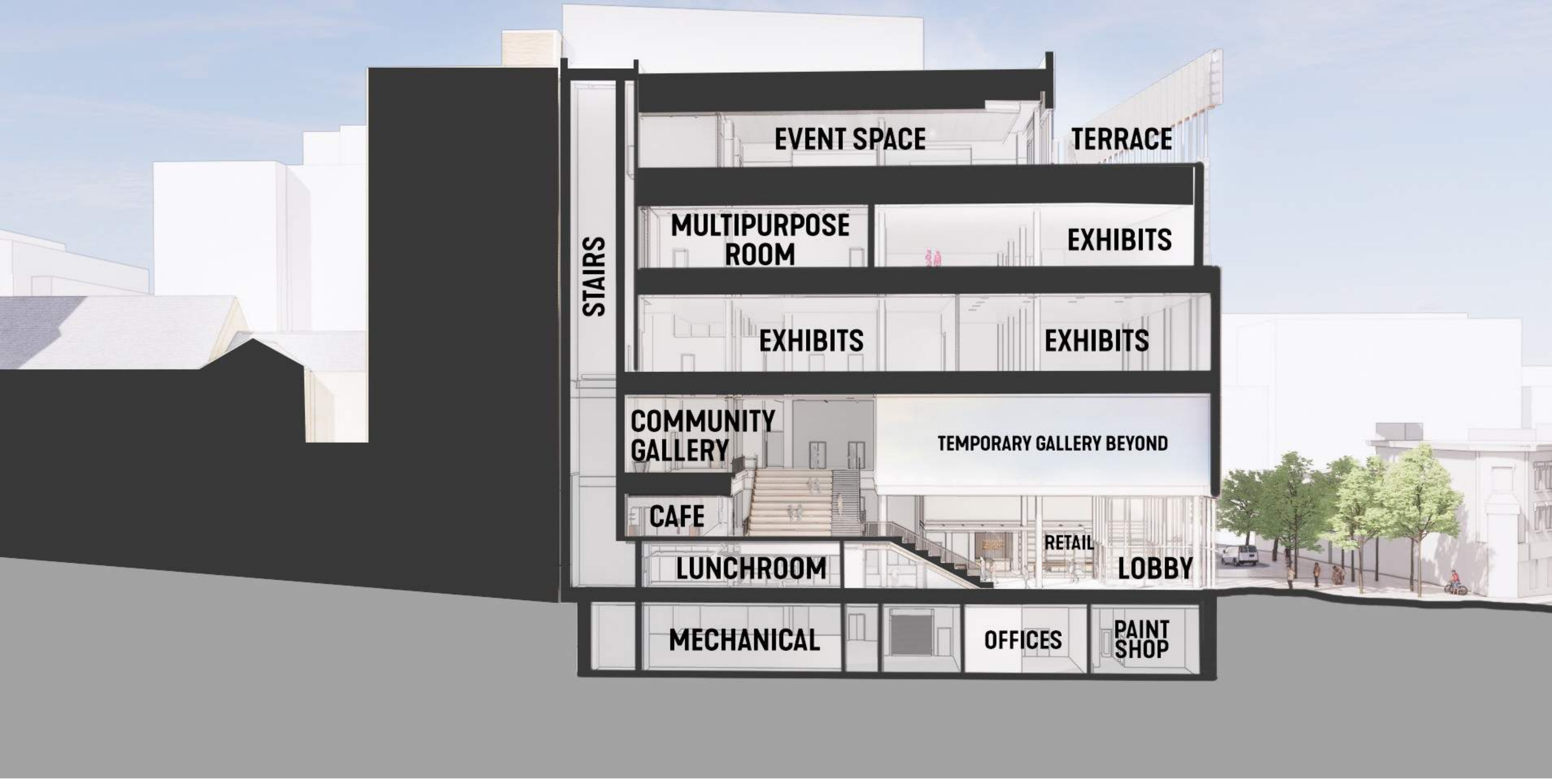
PERSPECTIVE VIEW FROM CAPITOL LAWN

PERSPECTIVE VIEW FROM MIFFLIN STREET

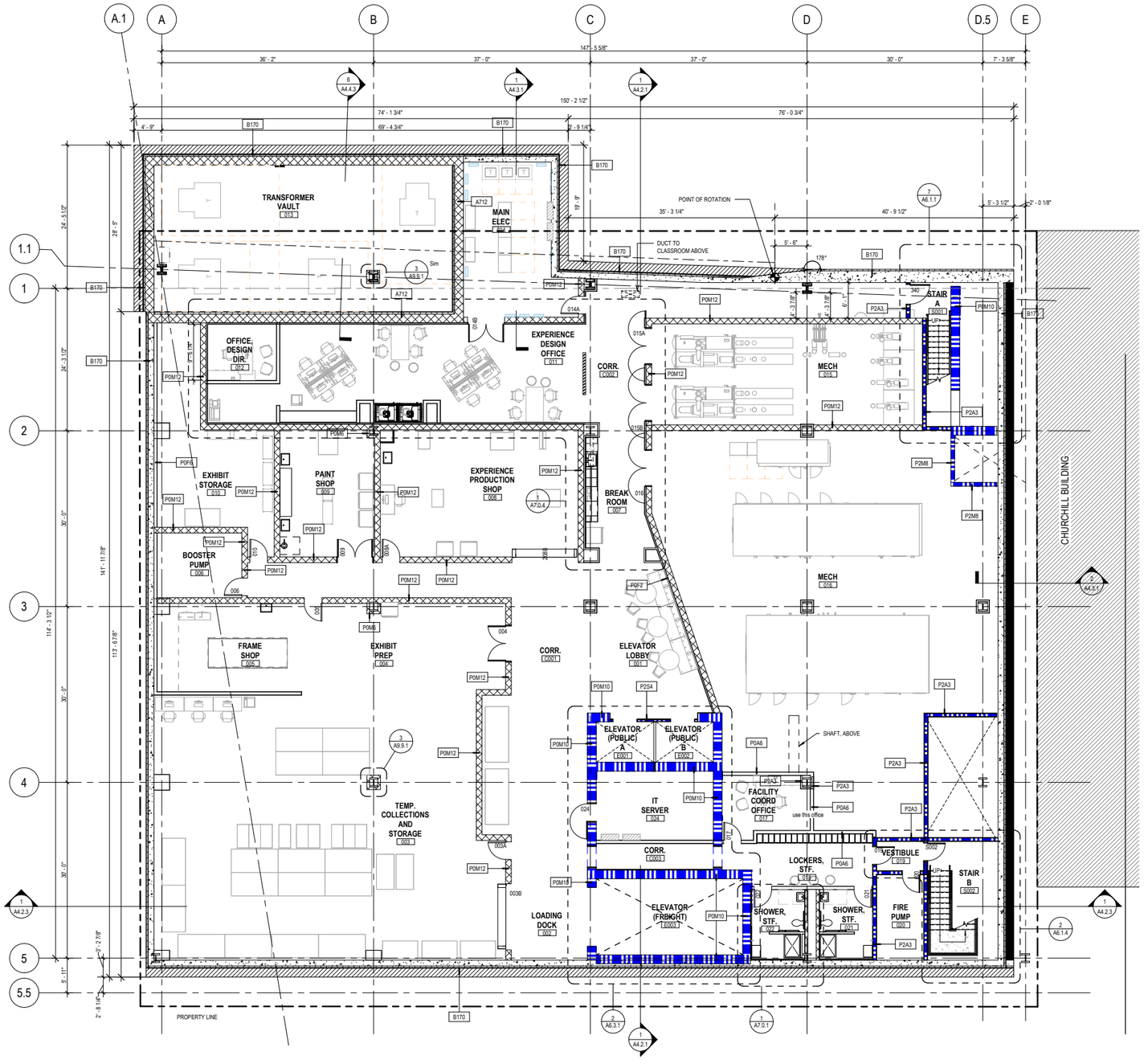
5/30/2023

PERSPECTIVE VIEW FROM OVERTURE CENTER

PERSPECTIVE VIEW FROM STATE STREET



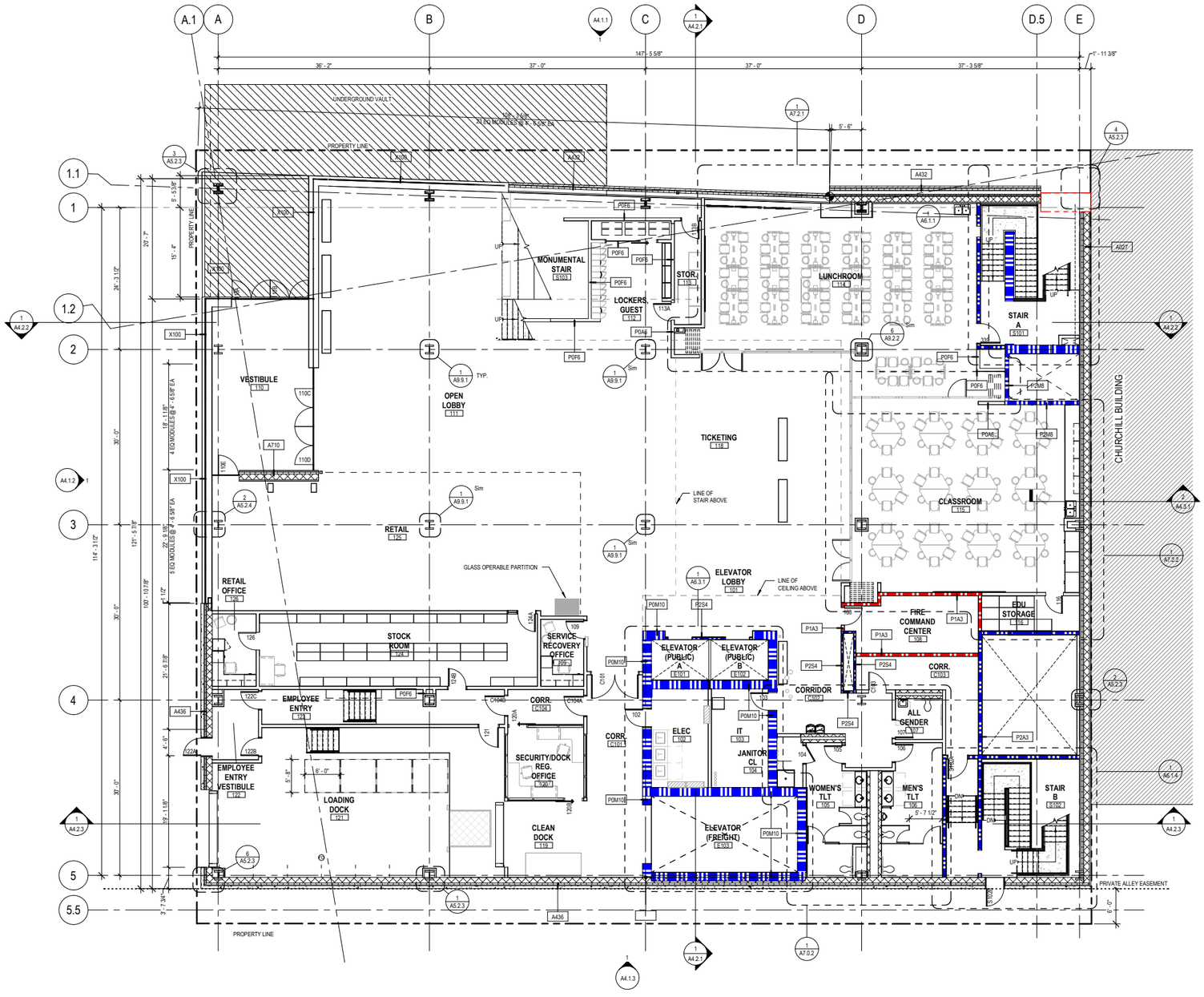
PROGRAMMATIC BUILDING SECTION



1 1/8" - FLOOR PLAN - BASEMENT
Scale: 1/8" = 1'-0"
0' 2' 4' 8' 12'

5/30/2023

BASEMENT



1 1/8" - FLOOR PLAN - LEVEL 01
Scale: 1/8" = 1'-0"
0' 2' 4' 8' 12'

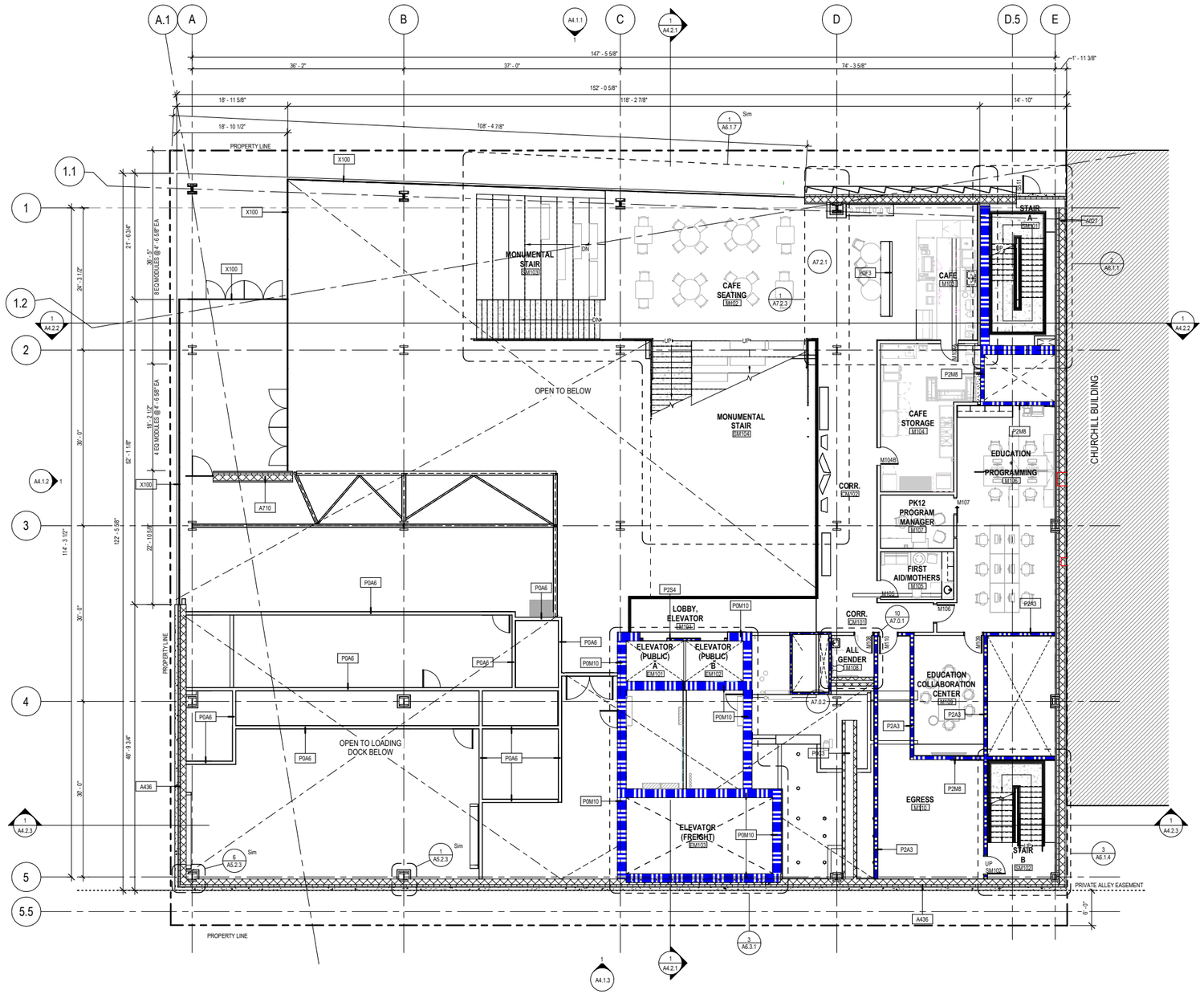
5/30/2023

LEVEL 1

WISCONSIN HISTORICAL SOCIETY

▪ NO 19K2R Wisconsin History Center

continuum ARCHITECTS + PLANNERS SMITHGROUP

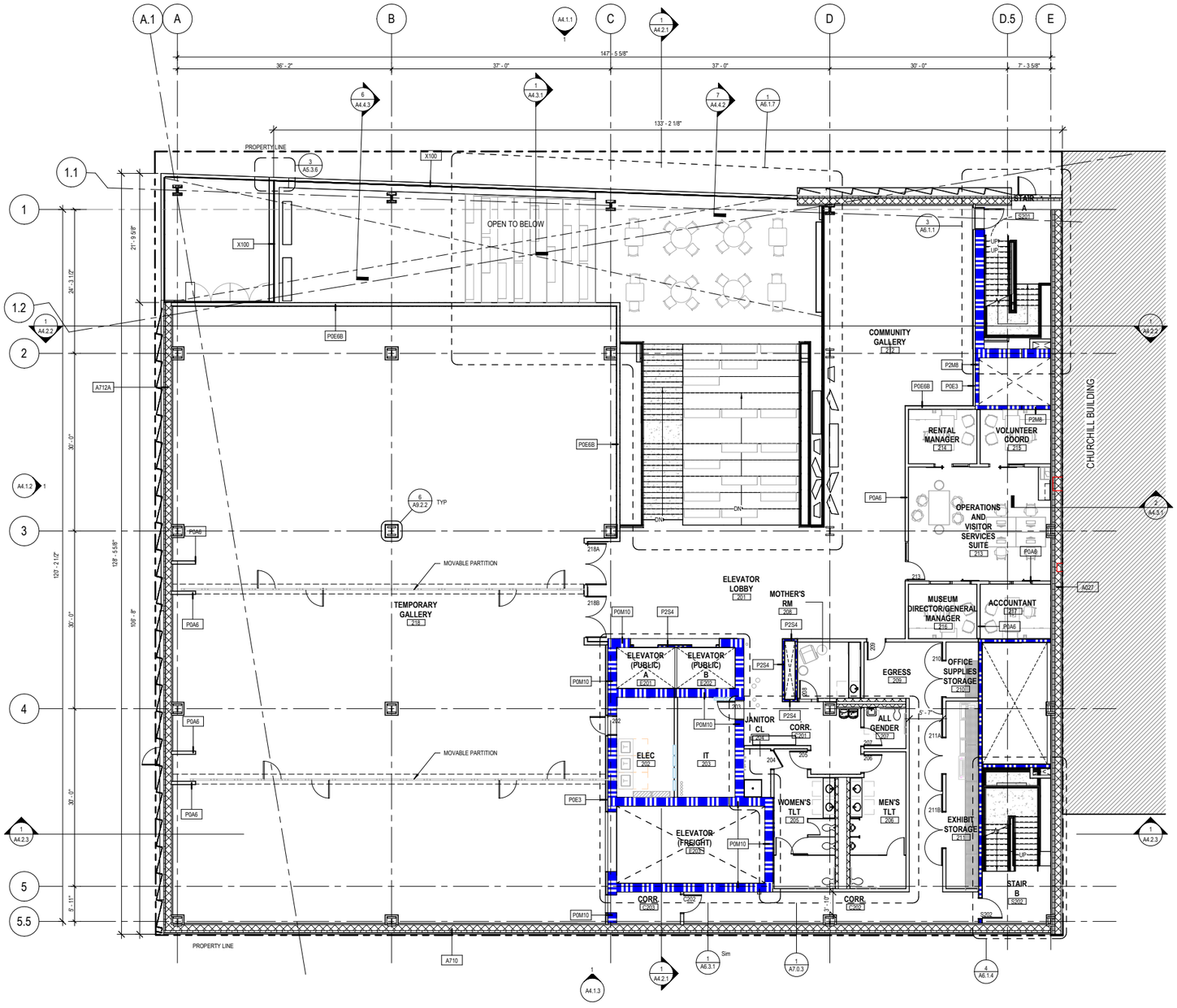


1 1/8" - PLAN - MEZZANINE

Scale: 1/8" = 1'-0"

0' 2' 4' 8' 12'

MEZZANINE



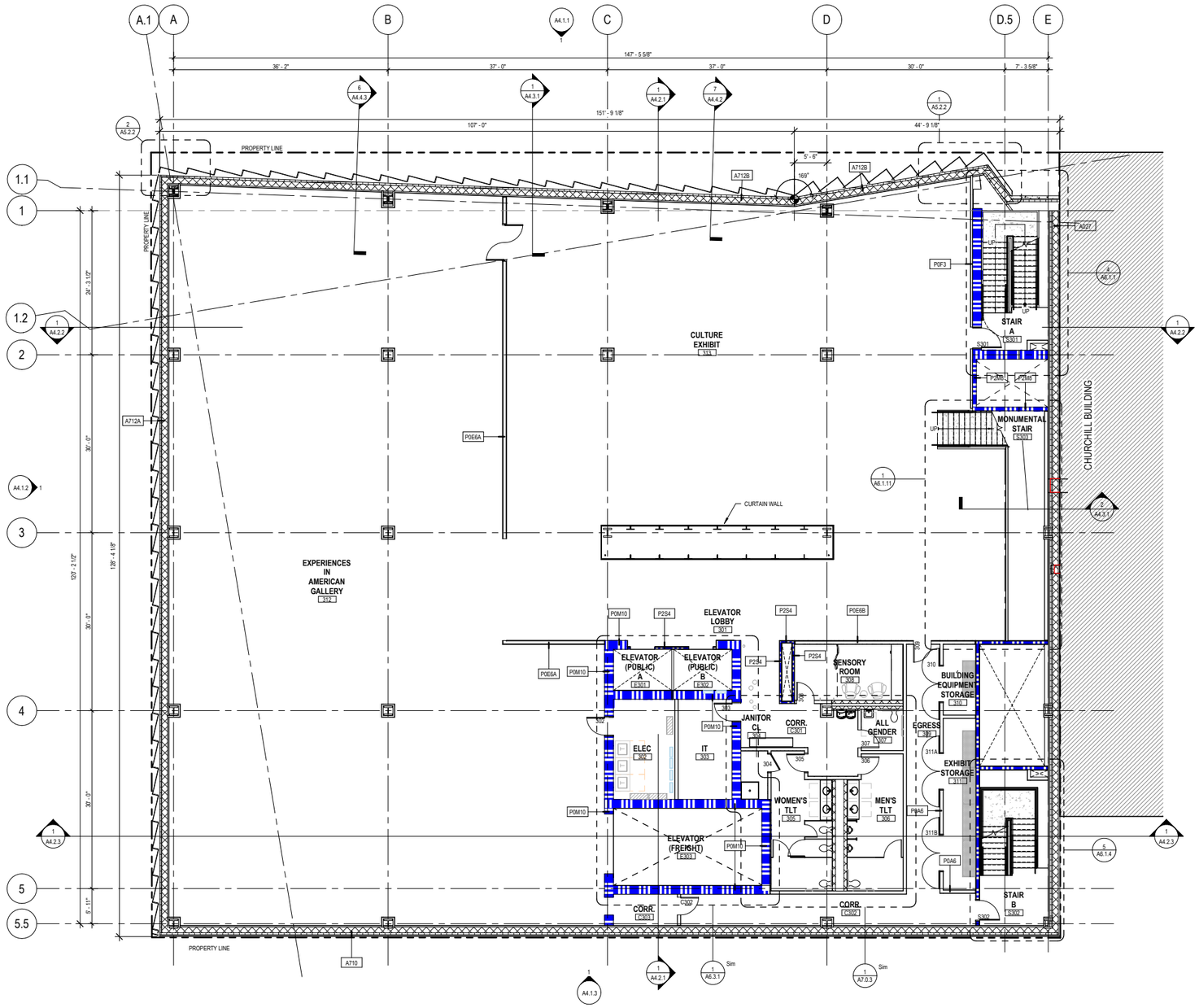
1 1/8" - FLOOR PLAN - LEVEL 02

Scale: 1/8" = 1'-0"

0' 2' 4' 8' 12'

5/30/2023

LEVEL 2

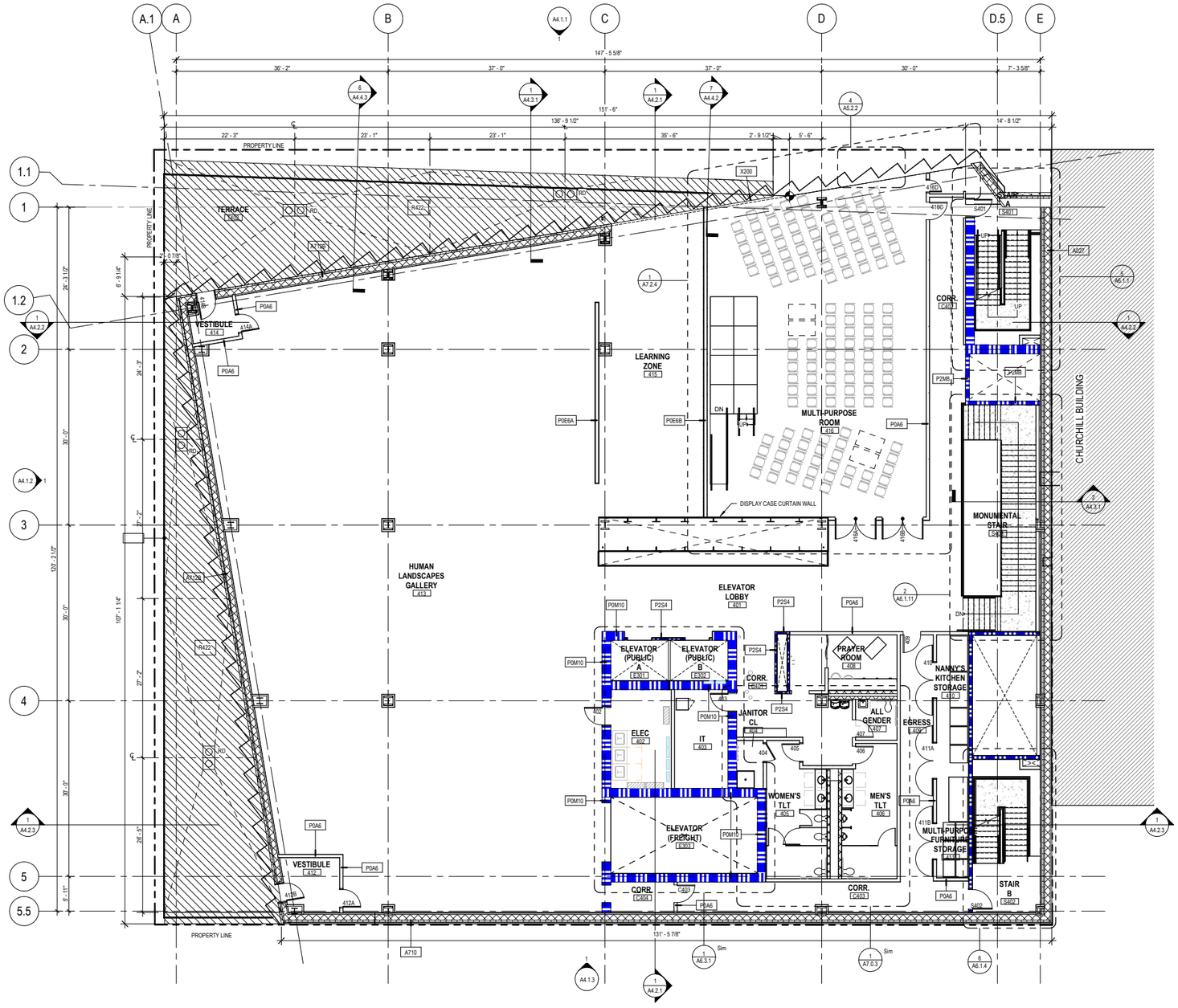


1 1/8" - FLOOR PLAN - LEVEL 03

Scale: 1/8" = 1'-0"

0' 2' 4' 8' 12'

LEVEL 3

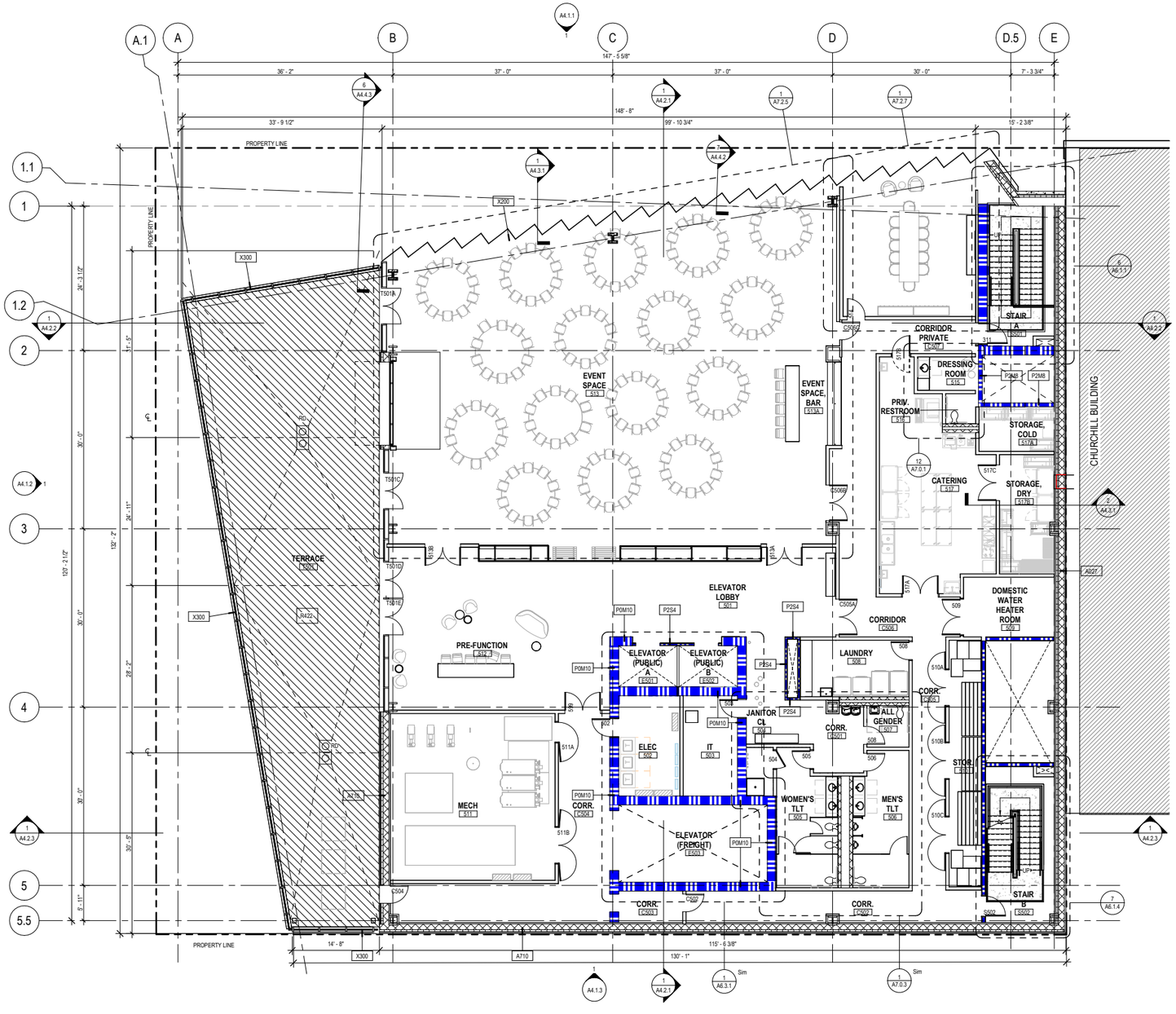


1 1/8" - FLOOR PLAN - LEVEL 04

Scale: 1/8" = 1'-0"

0' 2' 4' 8' 12'

LEVEL 4

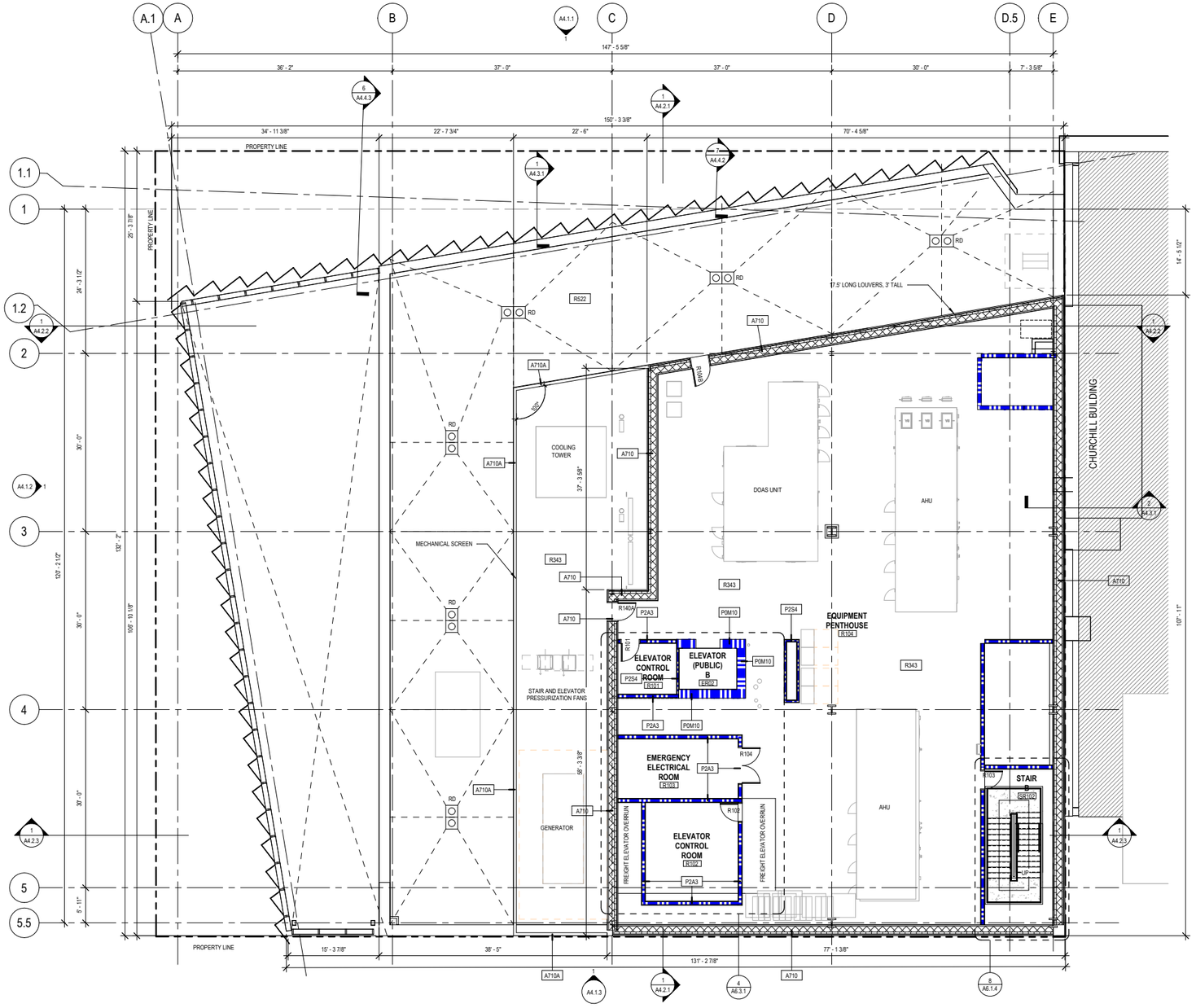


1 1/8" - FLOOR PLAN - LEVEL 05

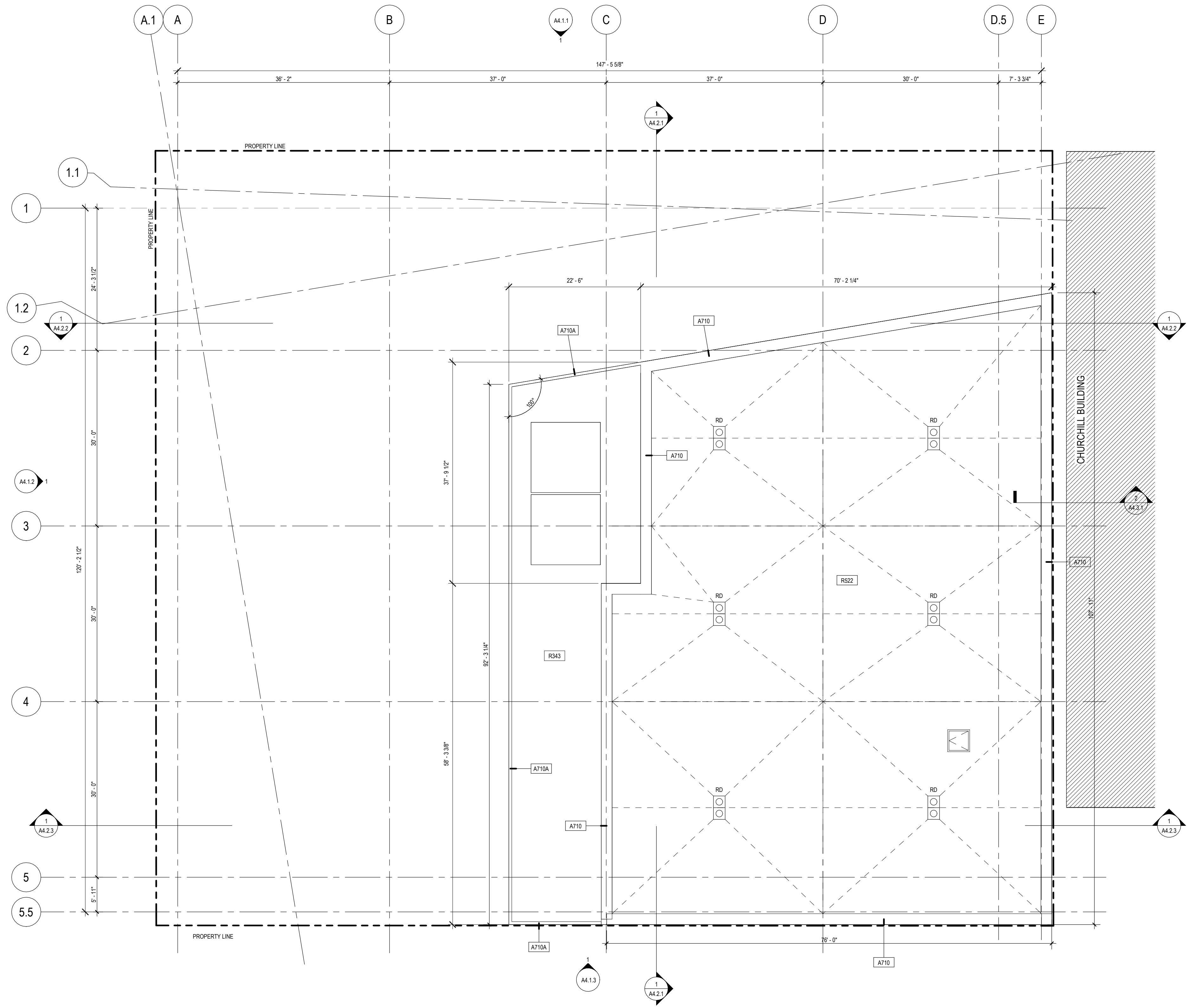
Scale: 1/8" = 1'-0"

0' 2' 4' 8' 12'

LEVEL 5


A.1
A
B
A4.1.1
C
D
D.5
E
147' - 5 5/8"
36' - 2"
37' - 0"
37' - 0"
30' - 0"
7' - 3 5/8"
150' - 3 3/8"
34' - 11 3/8"
22' - 7 3/4"
22' - 6"
70' - 4 5/8"
PROPERTY LINE
1.1
1
1.2
2
3
4
5
5.5
25' - 7 7/8"
24' - 3 1/2"
30' - 0"
132' - 2"
120' - 2 1/2"
30' - 0"
109' - 10 1/8"
30' - 0"
5' - 11"
14' - 5 1/2"
108' - 11"
17.5' LONG LOUVERS, 3' TALL
RD
R522
A710
A710A
R343
COOLING TOWER
37' - 3 5/8"
DOAS UNIT
AHU
MECHANICAL SCREEN
R1404
P2A3
P0M10
P2S4
EQUIPMENT PENTHOUSE
R104
ELEVATOR CONTROL ROOM
SR101
ELEVATOR (PUBLIC) B
SR102
STAIR AND ELEVATOR PRESSURIZATION FANS
EMERGENCY ELECTRICAL ROOM
R103
ELEVATOR CONTROL ROOM
R102
FREIGHT ELEVATOR OVERRUN
GENERATOR
95' - 3 3/8"
STAIR B
UP
CHURCHILL BUILDING
15' - 3 7/8"
38' - 5"
131' - 2 7/8"
77' - 1 3/8"

PENTHOUSE



1 1/8" - ROOF PLAN
Scale: 1/8" = 1'-0"

0' 2' 4' 8' 12'

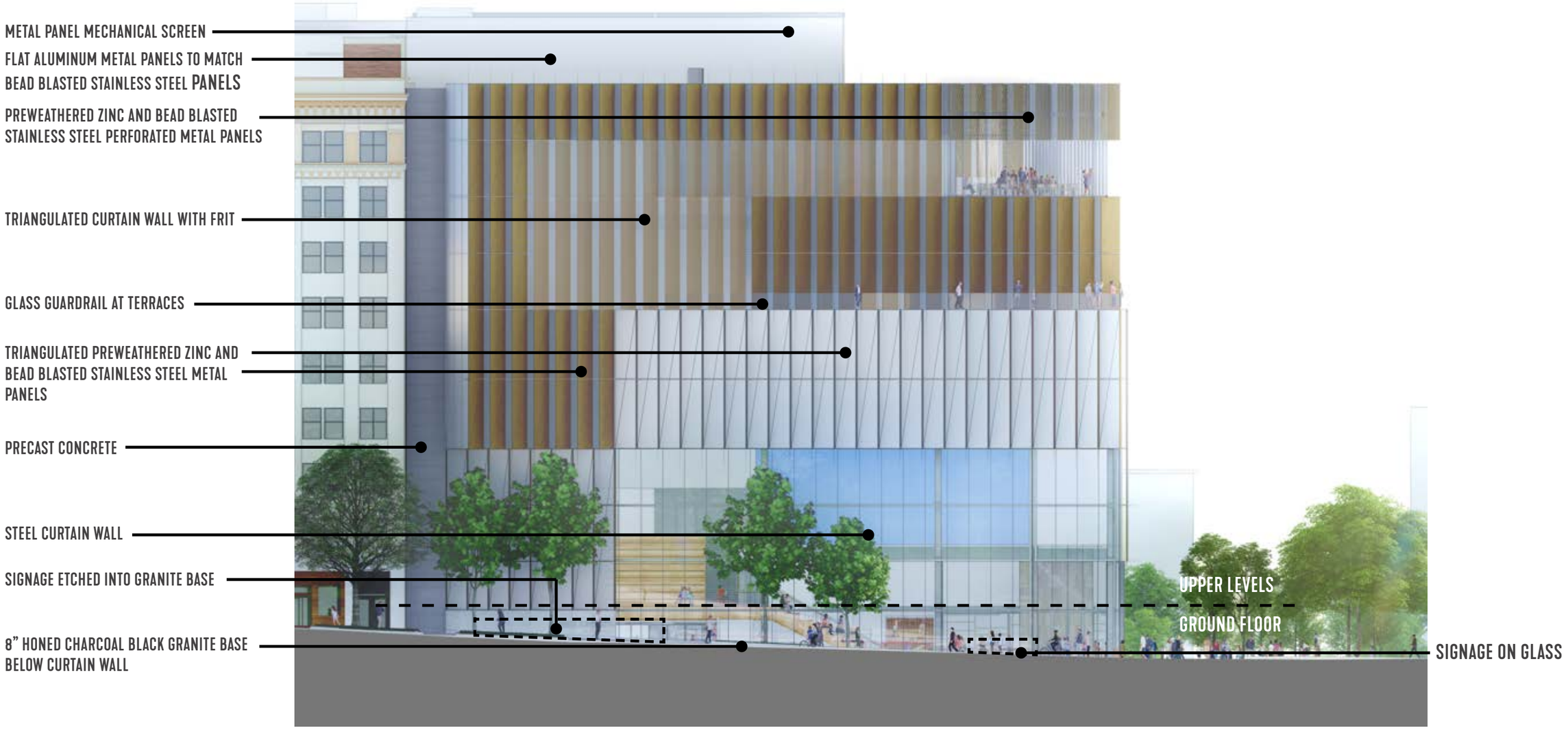
5/30/2023

ROOF

WISCONSIN HISTORICAL SOCIETY

▪ NO 19K2R Wisconsin History Center

continuum ARCHITECTS + PLANNERS SMITHGROUP



NTS

NORTHEAST ELEVATION

NTS

NORTHWEST ELEVATION

**NOT A STREET FACING FACADE
NTS

SOUTHWEST ELEVATION

PREWEATHERED ZINC AND BEAD BLASTED STAINLESS STEEL PERFORATED METAL PANELS

PREWEATHERED ZINC METAL PANELS

FRITTED GLASS

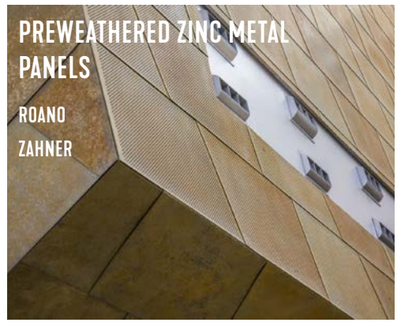
8" HONED CHARCOAL BLACK GRANITE BASE BELOW CURTAIN WALL

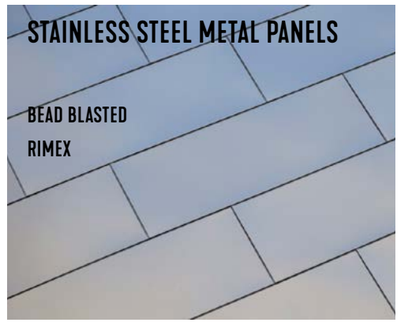
BEAD BLASTED STAINLESS STEEL METAL PANELS

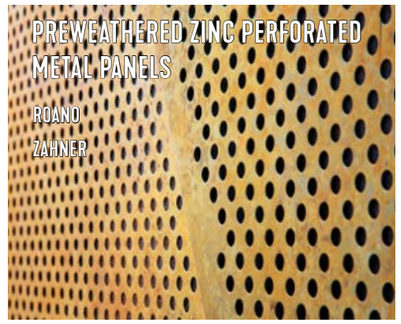
PRECAST CONCRETE

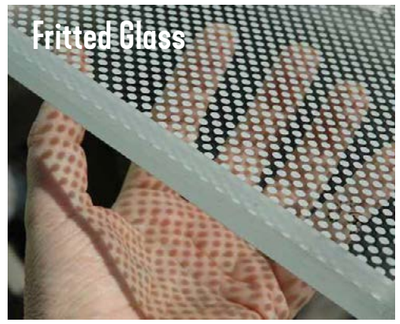
ACM ALUMINUM COMPOSITE METAL PANELS (AT PENTHOUSE)

ALUCOBOND









EXTERIOR MATERIALITY

DOC110 LED [New Construction]

134-6106 (previous product code: 630-3936 for reference only!)

Description

DOC110 LED for new construction. For remodel projects, see DOC110 LED [For Remodel] version. IP66, Class I. IK07. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. Safety glass lens. Separate IP66 driver housing. CAD-optimized optics for superior illumination and glare control. OLC® One LED Concept. Factory installed LED circuit board. 0-10V Dimming comes standard with luminaire. A pre-installation blockout, proud or flush, is available and recommended for mounting in concrete ceilings; to be ordered separately. Specify product with 7 Digit product code – Finish Color. Accessories, such as mounting, optical, and electrical, must be specified separately. Example: XXX-XXXX – 9004 (Black) + XXX-XXXX (Accessory 1)

Beam Type	symmetric, very narrow beam, 'sharp cut-off' [VNS]
Light Source	LED-6/12W / 700 mA - 3000 K
CRI	80
Gear Type	electronic gear

Nominal Luminous Flux (lm)

LED Lumens	246 lm
LEDs	6
Total Lumens	1476 lm
Tj	85 °C

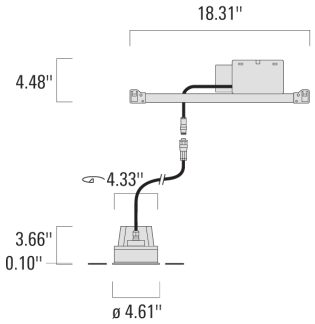
Delivered Lumens Flux (lm)

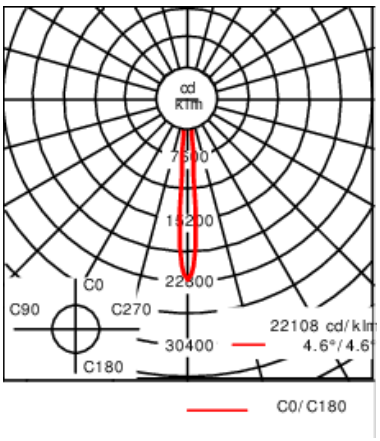
LED Lumens	227.7 lm
Total Lumens	1366.3 lm
Ta	25 °C

Rated Input Power	15 W

DOC110 LED [New Construction]

134-6106 (previous product code: 630-3936 for reference only!)





Material Specification

Body:	Marine-grade, die-cast aluminium alloy
Weight (lbs):	2.86
Lens:	Safety glass lens
Colours:	RAL9004 Black RAL9007 Grey Metallic RAL9016 White RAL8019 Dark Bronze
ETL	ETL, UL-1598 equivalent, CSA-C22.2#250.0. Suitable for Wet Locations.
Gasket:	Silicone CCG® Controlled Compression Gasket
Fasteners:	PCS Polymer Coated Stainless Steel Hardware
Ingress protection:	IP66
Impact protection:	IK07
Corrosion protection:	5CE
Listings:	ETL, UL-1598, CSA-C22.2#250.0. Suitable for Wet Locations.

Electrical Specification

Power supply:	Integral 120-277V/0-10V dimming driver
Cable:	Two cable entries

Lifetime

Ta=25°/40° L90B10 > 90000h

Optical Accessories

Linear spread lens

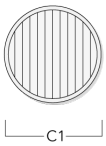
Broadens light distribution in one plane only. Ideally suitable for [M] [EE] [EES]. Does not fit in combination with [B] lens. Internal component, factory installed.

DOC110 LED [New Construction]

134-6106 (previous product code: 630-3936 for reference only!)

IO-180-DOC110-LED

	C1
134-1637	3.86

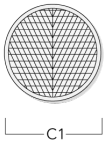


Wallwash lens

Specifically developed for the lighting of architectural surfaces, in combination with WE-EF [M] symmetric medium beam LED optics. Luminaires fitted with the IO-20 wallwash lens are typically positioned at 0.125 x h away from the target surface and spaced up to 1.75 x d apart: h = height of wall/target surface d = 0.125 x h = distance from the wall/target surface s = 1.75 x d = spacing between luminaires The IO-20 LED wallwash lens is factory-installed within the luminaire. The factory-sealed qualities and advantages of the luminaire are fully maintained. Not separately available.

IO-20-DOC110-LED

	C1
134-1683	3.86



TYPE XL1A - MEDIUM BEAM

DOC110 LED [New Construction]

134-6102 (previous product code: 630-3932 for reference only!)

Description

DOC110 LED for new construction. For remodel projects, see DOC110 LED [For Remodel] version. IP66, Class I. IK07. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. Safety glass lens. Separate IP66 driver housing. CAD-optimized optics for superior illumination and glare control. OLC® One LED Concept. Factory installed LED circuit board. 0-10V Dimming comes standard with luminaire. A pre-installation blockout, proud or flush, is available and recommended for mounting in concrete ceilings; to be ordered separately. Specify product with 7 Digit product code – Finish Color. Accessories, such as mounting, optical, and electrical, must be specified separately. Example: XXX-XXXX – 9004 (Black) + XXX-XXXX (Accessory 1)

Beam Type	symmetric, medium beam [M]
Light Source	LED-6/12W / 700 mA - 3000 K
CRI	80
Gear Type	electronic gear

Nominal Luminous Flux (lm)

LED Lumens	246 lm
LEDs	6
Total Lumens	1476 lm
Tj	85 °C

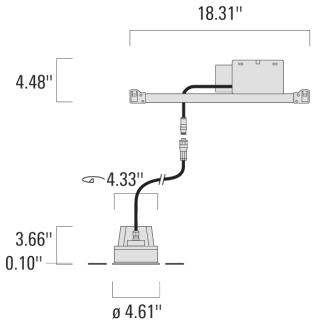
Delivered Lumens Flux (lm)

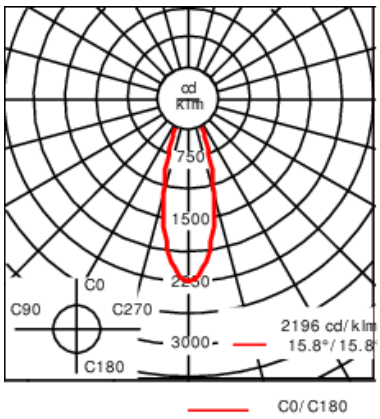
LED Lumens	213.7 lm
Total Lumens	1282.4 lm
Ta	25 °C

Rated Input Power	15 W

DOC110 LED [New Construction]

134-6102 (previous product code: 630-3932 for reference only!)





Material Specification

Body:	Marine-grade, die-cast aluminium alloy
Weight (lbs):	2.86
Lens:	Safety glass lens
Colours:	RAL9004 Black RAL9007 Grey Metallic RAL9016 White RAL8019 Dark Bronze
ETL	ETL, UL-1598 equivalent, CSA-C22.2#250.0. Suitable for Wet Locations.
Gasket:	Silicone CCG® Controlled Compression Gasket
Fasteners:	PCS Polymer Coated Stainless Steel Hardware
Ingress protection:	IP66
Impact protection:	IK07
Corrosion protection:	5CE
Listings:	ETL, UL-1598, CSA-C22.2#250.0. Suitable for Wet Locations.

TBD

Electrical Specification

Power supply:	Integral 120-277V/0-10V dimming driver
Cable:	Two cable entries

Lifetime

Ta=25°/40° L90B10 > 90000h

Optical Accessories

Linear spread lens

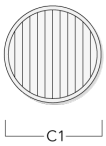
Broadens light distribution in one plane only. Ideally suitable for [M] [EE] [EES]. Does not fit in combination with [B] lens. Internal component, factory installed.

DOC110 LED [New Construction]

134-6102 (previous product code: 630-3932 for reference only!)

IO-180-DOC110-LED

	C1
134-1637	3.86

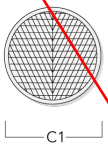


Wallwash lens

Specifically developed for the lighting of architectural surfaces, in combination with WE-EF [M] symmetric medium beam LED optics. Luminaires fitted with the IO-20 wallwash lens are typically positioned at 0.125 x h away from the target surface and spaced up to 1.75 x d apart: h = height of wall/target surface d = 0.125 x h = distance from the wall/target surface s = 1.75 x d = spacing between luminaires The IO-20 LED wallwash lens is factory-installed within the luminaire. The factory-sealed qualities and advantages of the luminaire are fully maintained. Not separately available.

IO-20-DOC110-LED

	C1
134-1683	3.86



TYPE XL2

LED ceiling mounted downlights - vortex reflector - wide beam distribution

BEGA

Type:
BEGA Product:
Project:
Modified:

Application
Linear LED ceiling mounted luminaire with wide beam light distribution. The patent pending 'vortex reflector' rotates a parabolic reflector around the vertical axis to form a complex vortex shape. This vortex balances maximum efficiency with optimal glare control while eliminating shadows and artifacts in a uniquely sharp square distribution.

Materials
Luminaire housing constructed of die-cast marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy
Clear safety glass
Reflector surface made of pure anodized aluminum
Silicone applied robotically to casting, plasma treated for increased adhesion
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65
Weight: 13.9 lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-20° C
LED module wattage	32.0 W
System wattage	36.0 W
Controllability	0-10V dimming down to 0.1%
Color rendering index	Ra > 80
Luminaire lumens	4,306 lumens (3000K)
Lifetime at Ta = 15° C	> 500,000 h (L70)
Lifetime at Ta = 50° C	67,000 h (L70)

LED color temperature

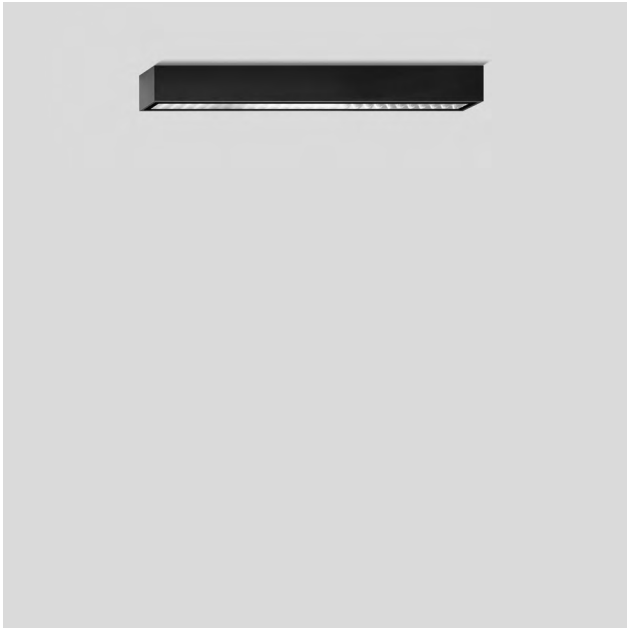
☐ 4000K - Product number + **K4**
○ 3500K - Product number + **K35**
○ 3000K - Product number + **K3**
○ 2700K - Product number + **K27**

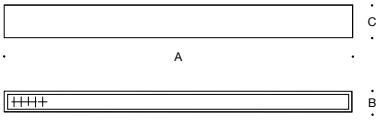
BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors ☐ Black (BLK) ○ White (WHT) ○ RAL:
○ Bronze (BRZ) ○ Silver (SLV) ○ CUS:

TBD





LED ceiling mounted downlights · vortex reflector · wide beam

	LED	β	A	B	C	Required wiring box
24313	32.0 W	55°	37 7/8	2 3/8	3 3/4	**19537**

β = Beam angle

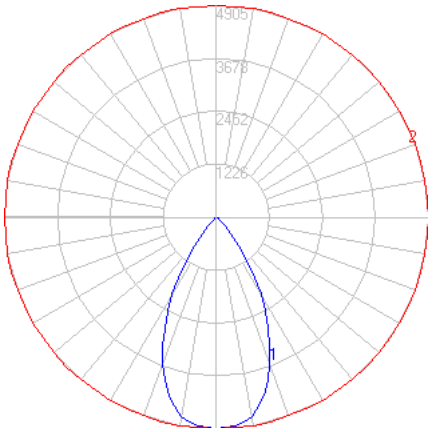
BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Updated 06/11/19

BEGA

Photometric Filename: 24313.ies

TEST:	BE_24313
TEST LAB:	BEGA
DATE:	4/12/2017
LUMINAIRE:	24 313
LAMP:	32W LED

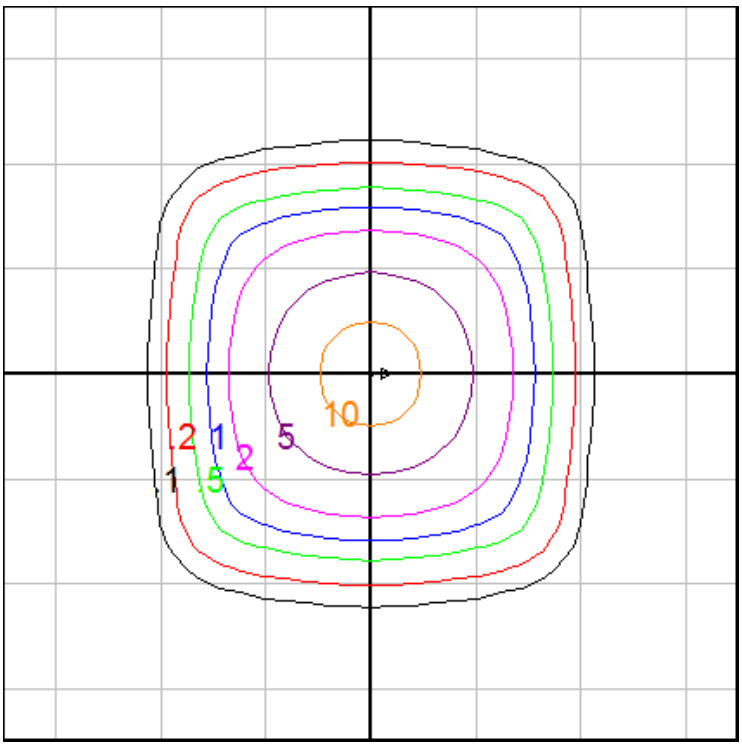


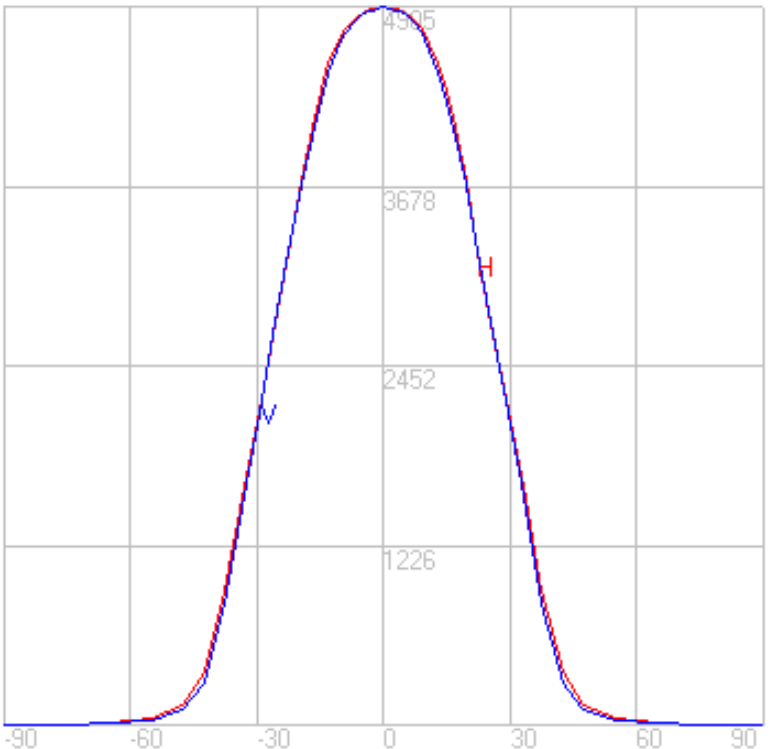
Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	4904.5
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	55.0
Vertical Beam Angle (50%)	54.9
Horizontal Field Angle (10%)	82.7
Vertical Field Angle (10%)	81.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	2733
Beam Efficiency	N.A.
Field Lumens	4114
Field Efficiency	N.A.
Spill Lumens	209
Luminaire Lumens	4323
Total Efficiency	N.A.
Total Luminaire Watts	36

Zonal Lumen Summary

Zone	Lumens
0-10	459.20
10-20	1196.15
20-30	1335.01
30-40	926.38
40-50	305.56
50-60	60.05
60-70	20.73
70-80	7.41
80-90	0.67
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00





Mouting Height = 20 ft. Grid Spacing = 10 ft.

XL3 - TERRACE UPLIGHT ACCENT OF ZINC PANELS

ETC110-3 LED

185-3538

Description

IP67. 12V - 24V AC/DC. Class III. IK09. Stainless steel construction. PCS hardware. Silicone CCG® Controlled Compression Gasket. Safety glass lens; max load 5.5 tons (11,000 lbs). Factory-sealed termination chamber complete with cable gland and 3 ft of flexible PVC-free cable. CAD-optimized optics for superior illumination and glare control. Driver required; to be ordered separately. Factory-installed LED circuit board. Suitable for flush installation in concrete or earth. Deep concrete-pour installation blockout supplied as standard with luminaire. IP68 in-line connector facilitates easy removal for off-site lamp replacement. Specify product with 7 Digit product code – Finish Color. Accessories, such as mounting, optical, and electrical, must be specified separately. Example: XXX-XXXX-9004 (Black) + XXX-XXXX (Accessory 1)

Beam Type	symmetric, medium beam [M]
Light Source	LED-3/3W / 24V AC/DC - 2700 K
CRI	80

Nominal Luminous Flux (lm)

LED Lumens	134.7 lm
LEDs	3
Total Lumens	404 lm
Tj	85 °C

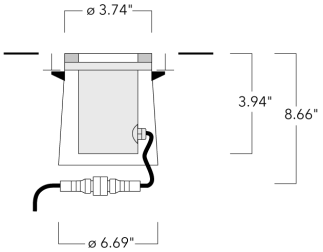
Delivered Lumens Flux (lm)

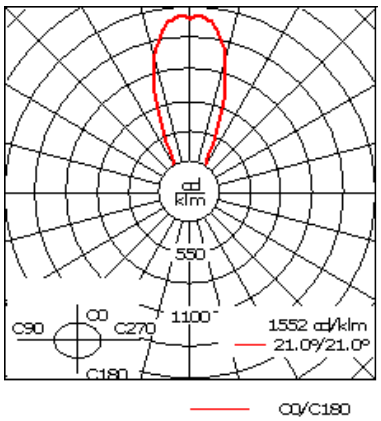
LED Lumens	102.4 lm
Total Lumens	307.1 lm
Ta	25 °C

Rated Input Power	3.8 W

ETC110-3 LED

185-3538





Material Specification

Body:	Luminaire body constructed of stainless steel. Outer housing composite material.
Weight (lbs):	3.00
Lens:	Clear tempered glass lens. Max. load 5 tonnes.
Colours:	Stainless Steel
ETL	ETL, UL-1598 equivalent, CSA-C22.2#250.0. Suitable for Wet Locations.
Gasket:	Silicone rubber gasket
Fasteners:	PCS polymer coated stainless steel
Ingress protection:	IP67
Impact protection:	IK09
Corrosion protection:	5CE
Mounting:	Suitable for installation in concrete. Suitable for walk-over and drive-over applications. Proper drainage and foundation support must be provided.
Listings:	ETL, UL-1598, CSA-C22.2#250.0. Suitable for Wet Locations.

Electrical Specification

Power supply:	Requires remote [RT] mounted 120-12 volt AC Class 2 power supply, to be ordered separately
Driver / Ballast:	N/A
Termination:	Factory sealed termination chamber
Cable:	3 feet of flexible 18/3 cable

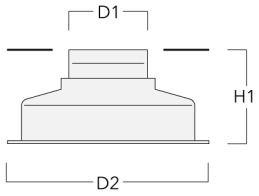
Lifetime
Ta=25°/40° L90B10 > 90000h

Mounting Accessories

Installation blockout
Reduced depth installation blockout for restricted depth applications (optional).

Blockout, Plastic

	D1	D2	H1	Weight (lbs)
185-0412	3.74	9.45	4.33	1.1 lbs



ETC110-3 LED

185-3538

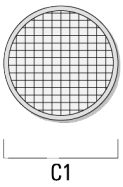
Optical Accessories

Softening Lens

Broadens light distribution in all planes.

Flood lens IO-360

	C1
185-0899	1.93



Linear spread lens

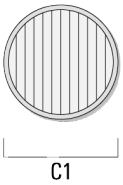
Broadens light distribution in one plane only.

ETC110-3 LED

185-3538

Linear spread lens IO-180

	C1
185-0895	1.93



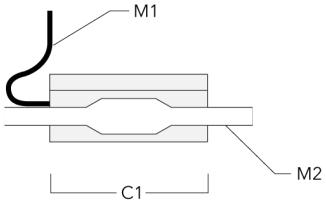
Electrical Accessories

Sealable junction box

SJB sealable junction box, for inground mains connection. Provided with 3 UL4860 connectors

Sealable junction box SJB 130

	C1	M1	M2
185-1624	5.75	Ø 0.39	Ø 0.47 - 0.75



Transformers

Remote mounted power supplies (transformers). Suitable for installation to horizontal or vertical surface. 120 V - 12 V AC. Class 2, in exterior rated (DK2) enclosure. (2) 1/2" threaded conduit entries. Additional conduit entries can be provided by request.

- **697-8060** Transformer 120 V - 12 V AC 24.0 W
- **697-8061** Transformer 120 V - 12 V AC 96.0 W
- **697-8062** Transformer 120 V - 12 V AC 240.0 W