

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 8-4-251135a.m.

Initial Submittal

Paid

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 horntawv 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): 139 West Wilson Street

Title: _____

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

UDC meeting date requested October 22 2025

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 Douglas Pahl, AIA

Street address 433 West Washington Ave

Telephone 608-204-7464

Company Aro Eberle Architects

City/State/Zip Madison, WI 53703

Email pahl@aoeberle.com

Project contact person Same as Applicant

Company _____

Street address _____

City/State/Zip _____

Telephone _____

Email _____

Property owner (if not applicant) 139 Wilson LLC

Street address 139 W Wilson Street

City/State/Zip Madison, WI 53706

Telephone _____

Email Info@mcbridecompanies.com

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 UDCappllications@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 05/19/2025.
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 Douglas Pahl, AIA

Relationship to property Architect

Authorizing signature of property owner Phil K Hees

Date 08/04/2025

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

LETTER OF INTENT

City of Madison Plan Commission
10/13/2025

PROJECT BACKGROUND

This project proposes to provide affordable housing for those that wish to live in Downtown Madison, taking full advantage of proximity to endless options for dining, recreation, shopping, work and transportation.

The proposed redevelopment of 139 West Wilson demolishes a low-density mixed-use building and off-street parking lot to create 320 new residential units (unit mix: 316 one-bedroom; 4 two bedroom).

The development is located within the UMX district, is within the Capitol View Preservation area, and is subject to the City of Madison Downtown Urban Design Guidelines. The project requires a conditional use permit for the quantity of residential units, the project size (exceeding 20,000 SF), and for the approval of the penthouse enclosing the elevator overrun and roof access stair exceeding the Capital View Preservation height limit.

PROJECT UPDATE

The project has been before the UDC several times under a previous application. Our previous application period expired, and we are resubmitting the project for further review. Our team has met with City staff, including Colin Punt (Planning), Jessica Vaughn (UDC) and Jacob Moskowitz (Zoning) to review the project and discuss the roadblocks that had faced the project. We also reviewed the project with the UDC at an informational presentation on June 11th, 2025, the Capitol Neighborhood committee on September 11th, 2025 and the Neighborhood Steering Committee on September 24th.

Our team has made updates to the building site, architecture, material application and more based on the feedback received through these interactions, and we believe the wishes of these agencies and commissions will be met.

Changes include:

- Relocation of all mechanical louvers off of primary façades facing John Nolen Drive and Wilson Street frontages
- Reconsideration of the expression of base and top of building
- Re-organization of fenestration on East and West Facades to provide better visual organization and readings of the architectural rhythm
- Options for entry feature height and materiality



433 West Washington Avenue, Suite 400
Madison, WI 53703
(608) 204-7464

- The two options are being submitted for UDC input and selection of a single option to carry through final design.
- Improvements to courtyard design to promote user access and provide visual connection to lakefront as well as accommodate drop-off and delivery traffic safely.
 - This involves converting the parking spaces for car-share to a flexible loading zone, moving the car-share program to a nearby parking ramp.
- Employment of colorful acrylic patterning to loading zone to promote safety and calm traffic
- Added green roofing for stormwater management per new city standards

We look forward to further discussion of the project and are happy to provide any further information or materials upon request.

PROJECT DATA

Lot Area: 17,193 SF / .395 Acres

Dwelling Units: 320

Lot Area/DU: 53.7 SF

Building Footprint: 9692 SF

Lot Coverage: 12,128 / 70.4%

Gross Square Footage: 157,292 GSF

Number of Stories: 16

Major Building Height: 163.75'

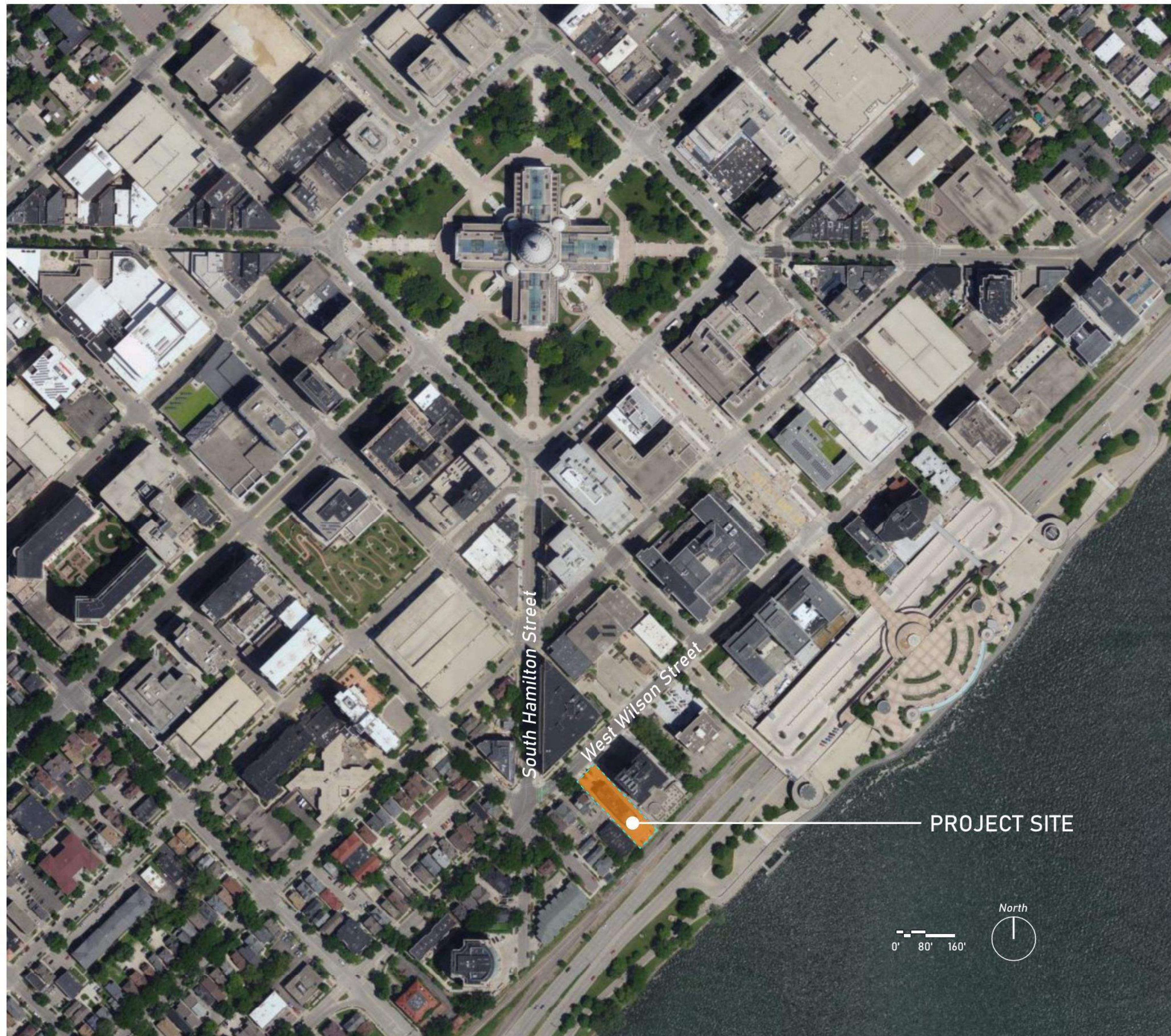
Max Building Height: 164.05'

Sincerely,

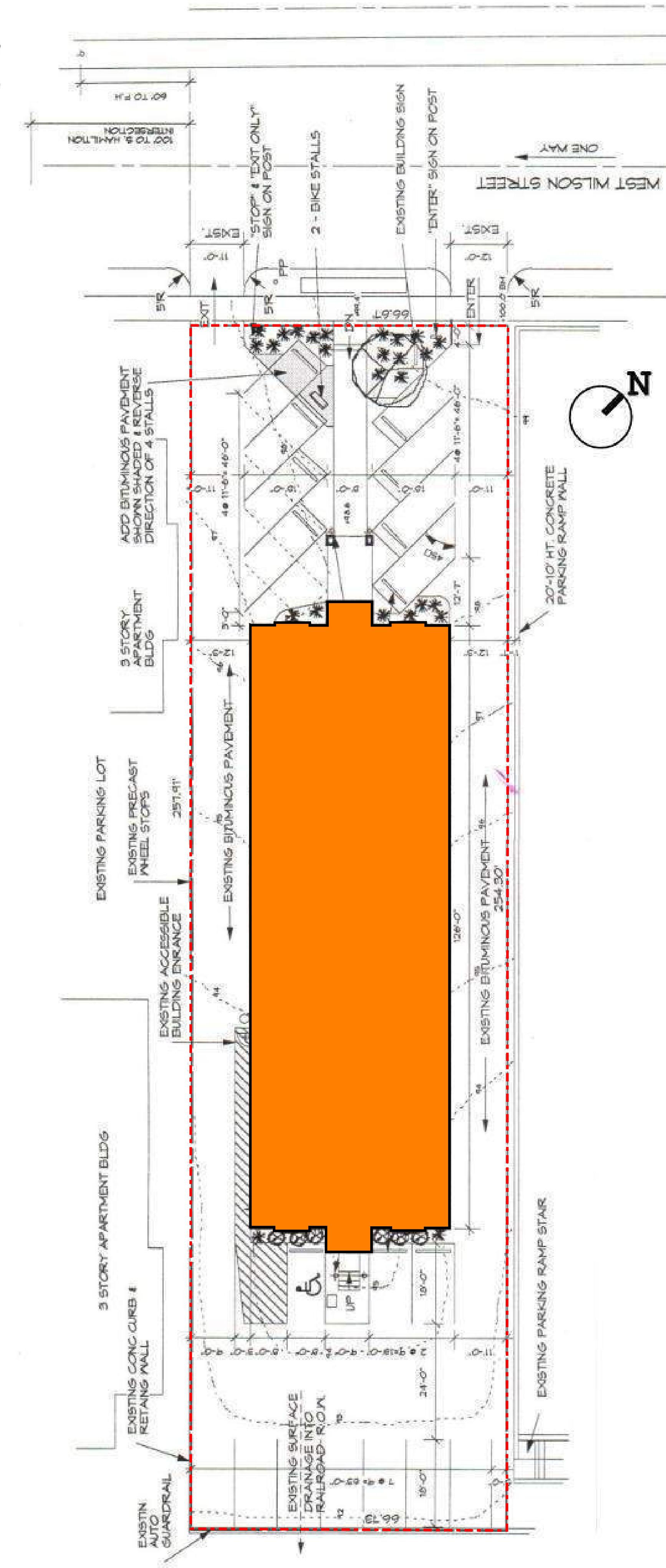
A handwritten signature in black ink that reads 'DPAHL'.

Douglas Pahl, AIA

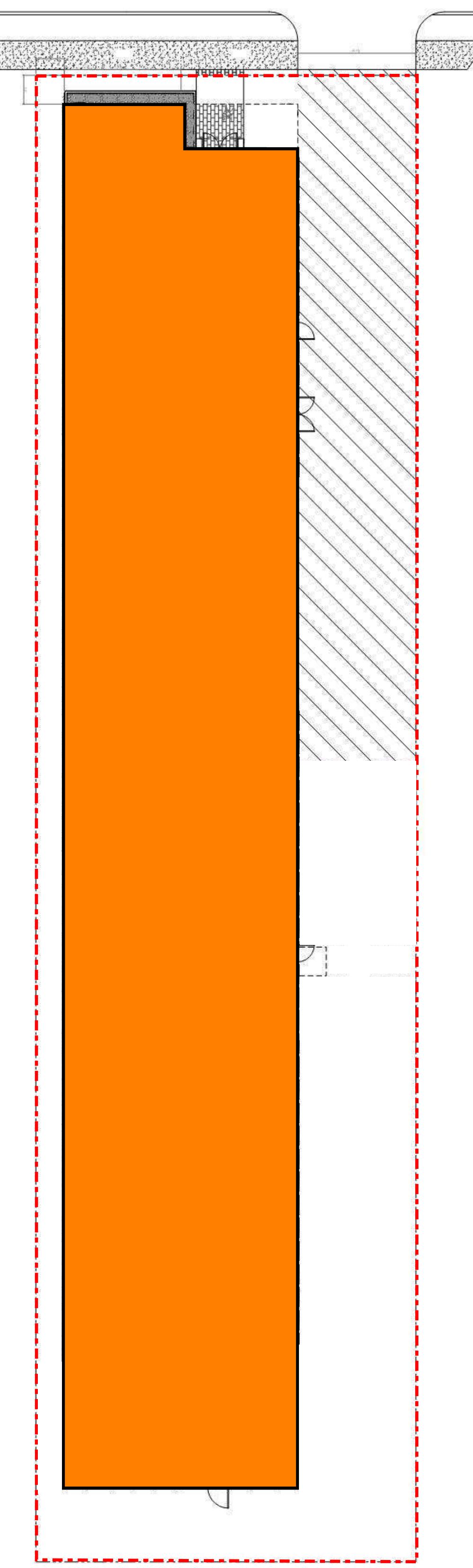
Aro Eberle Architects, Inc.



SITE LOCATION MAP



EXISTING BUILDING ON SITE



PROPOSED BUILDING ON SITE

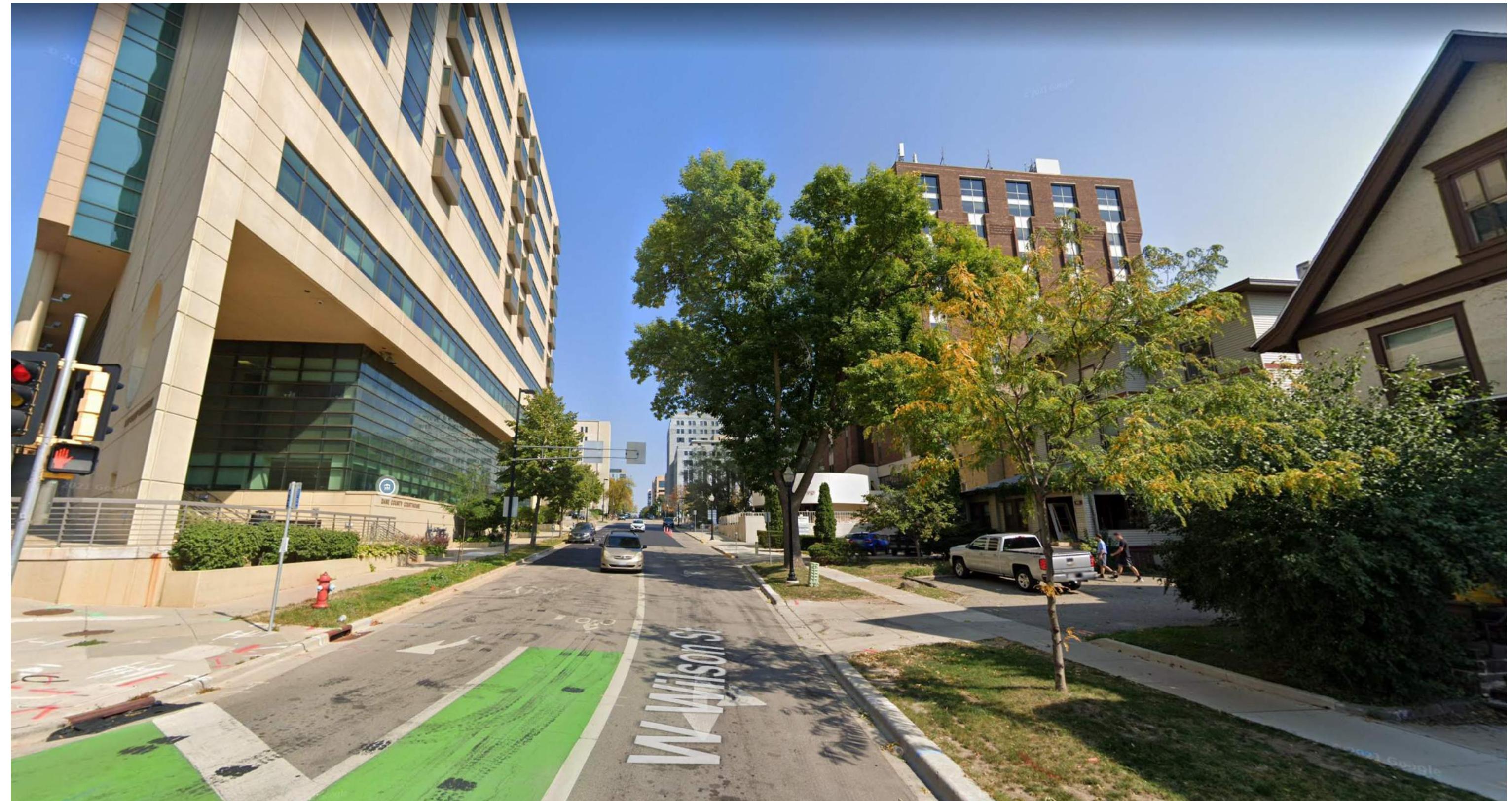
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**TORQUE
COMPANIES**

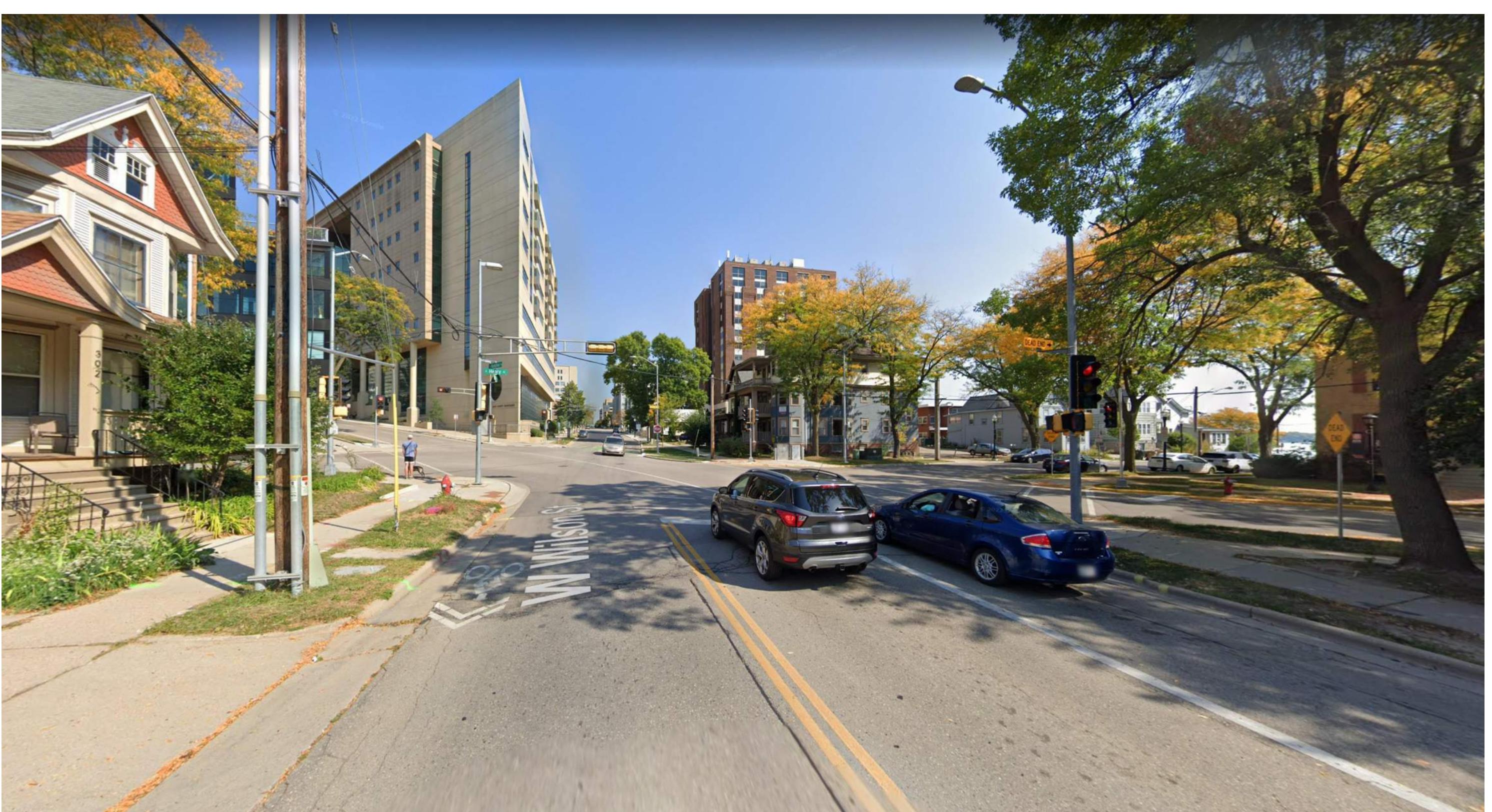
139 W. WILSON

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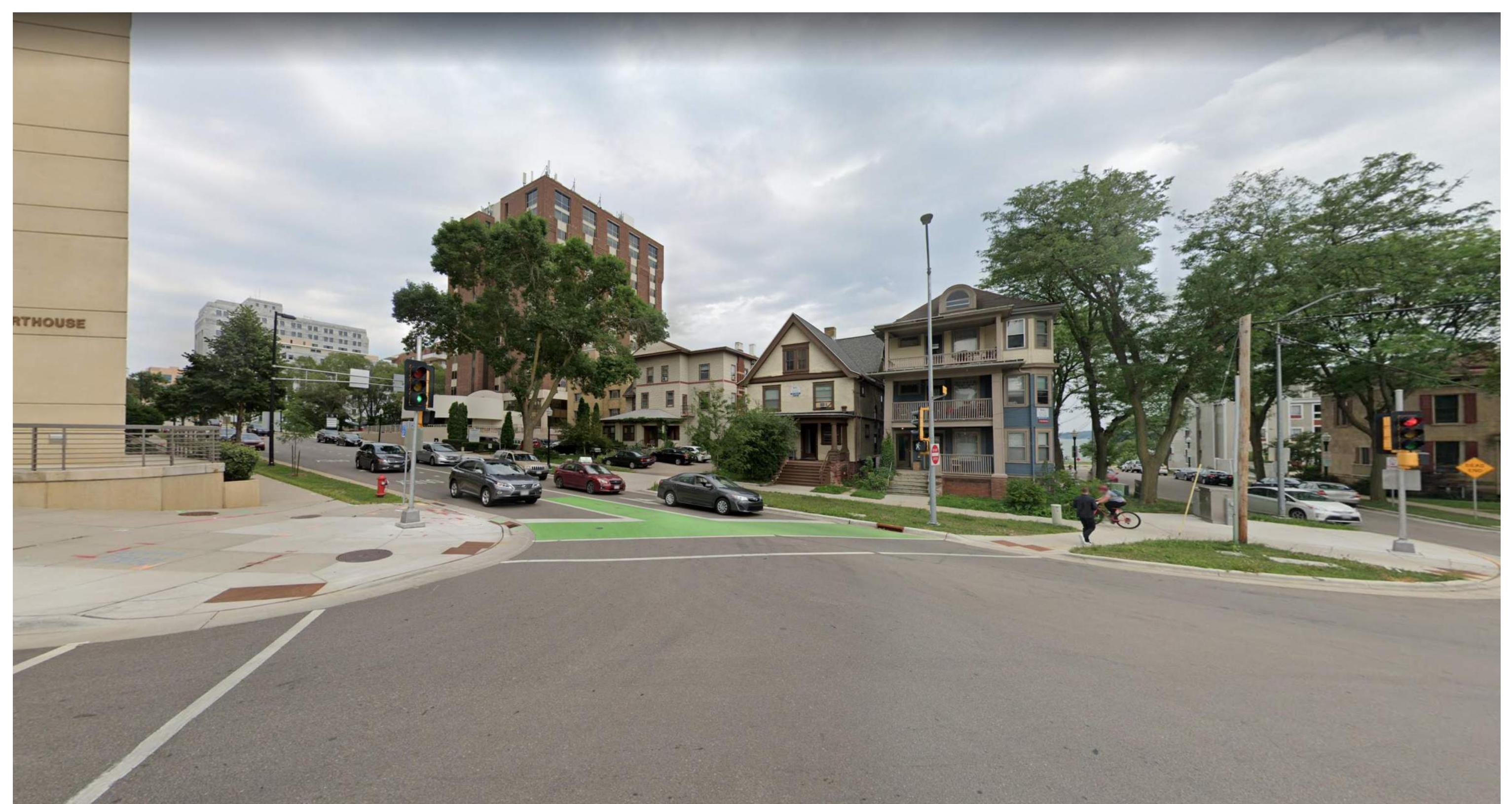
Location Map



VIEW NE ALONG WILSON STREET



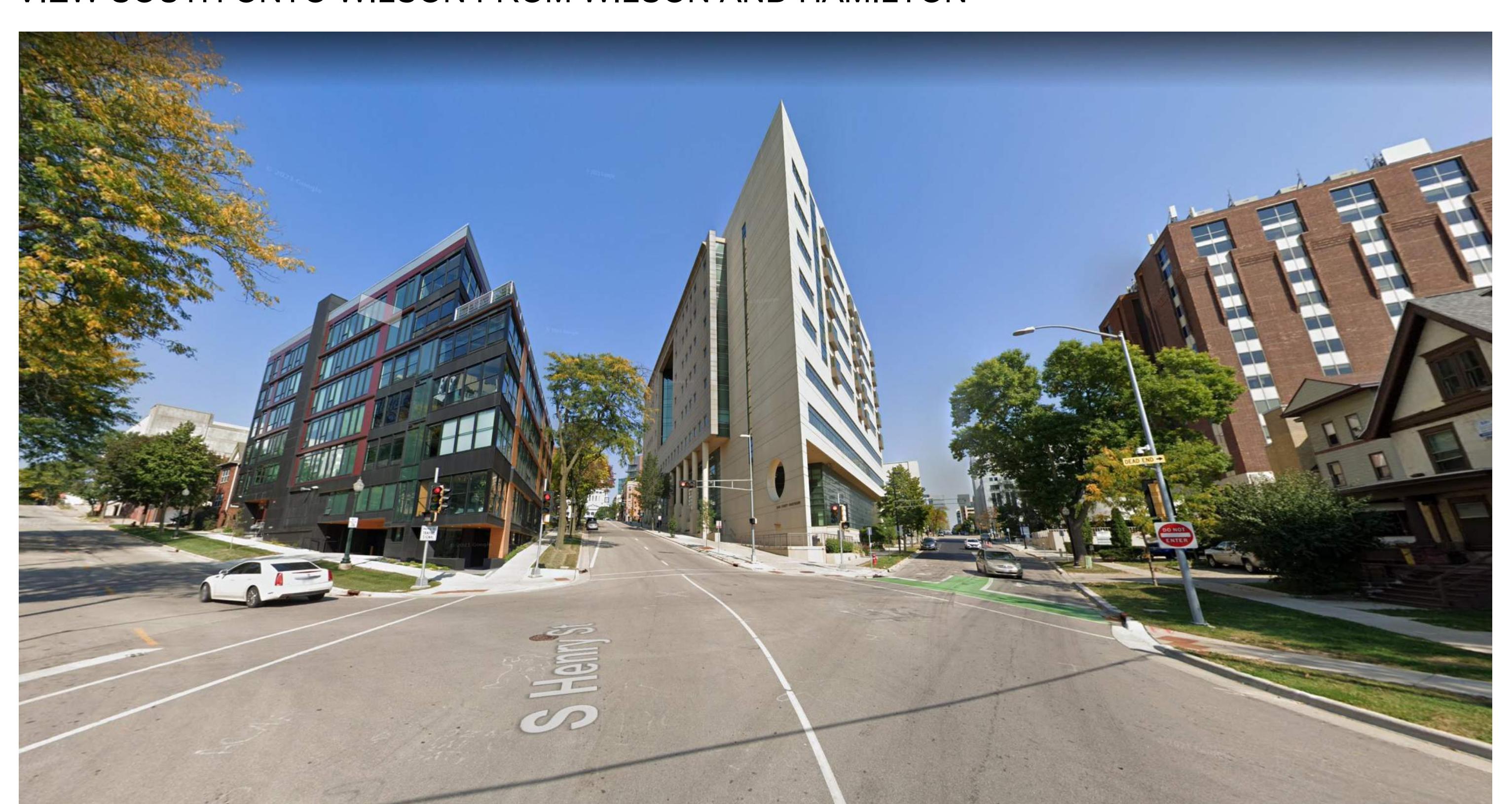
VIEW NE ALONG WILSON STREET



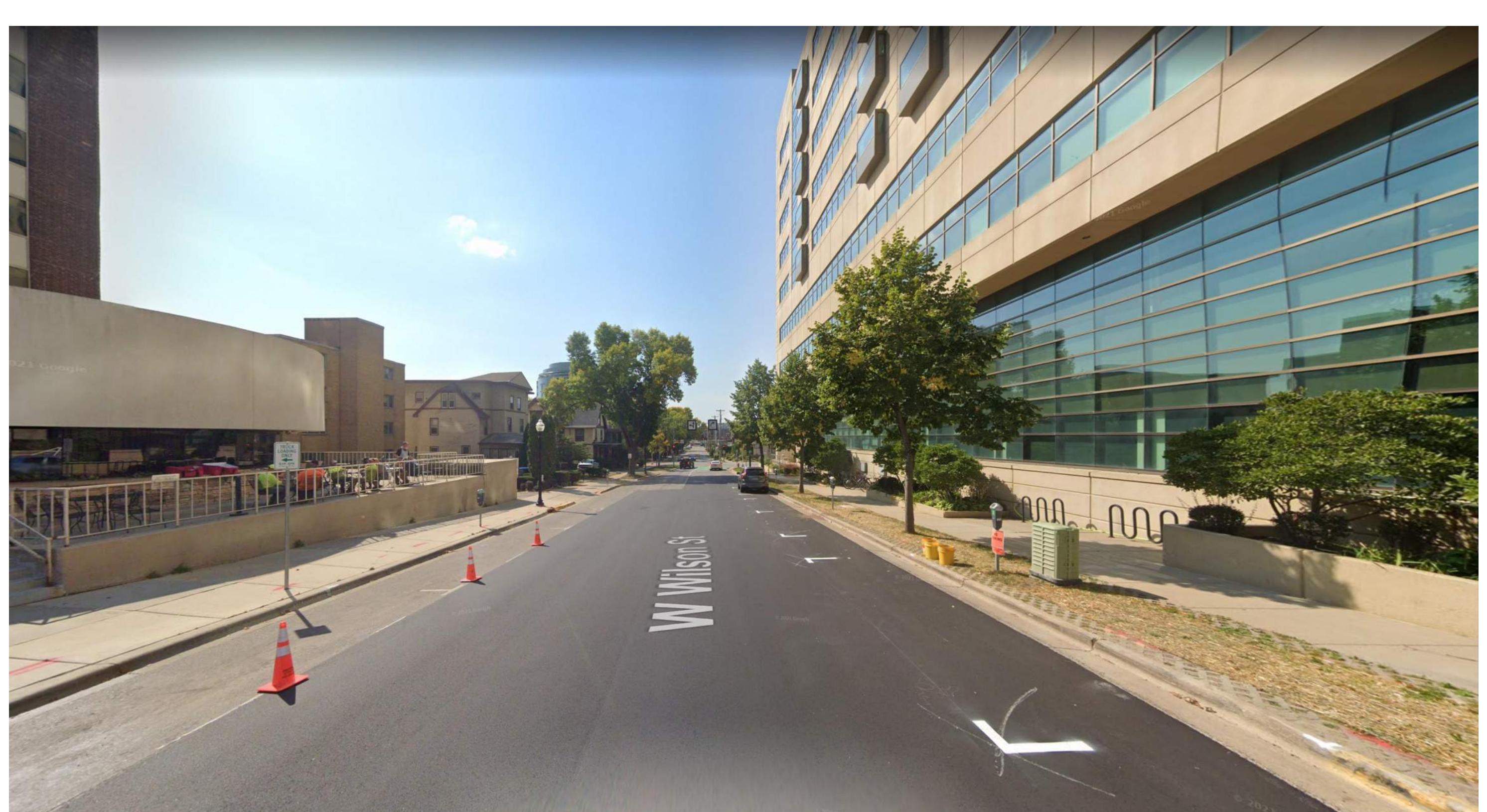
VIEW SOUTH ONTO WILSON FROM WILSON AND HAMILTON



VIEW LOOKING SW ALONG WILSON STREET



VIEW LOOKING NORTH AT HAMILTON STREET



VIEW LOOKING SW ALONG WILSON STREET

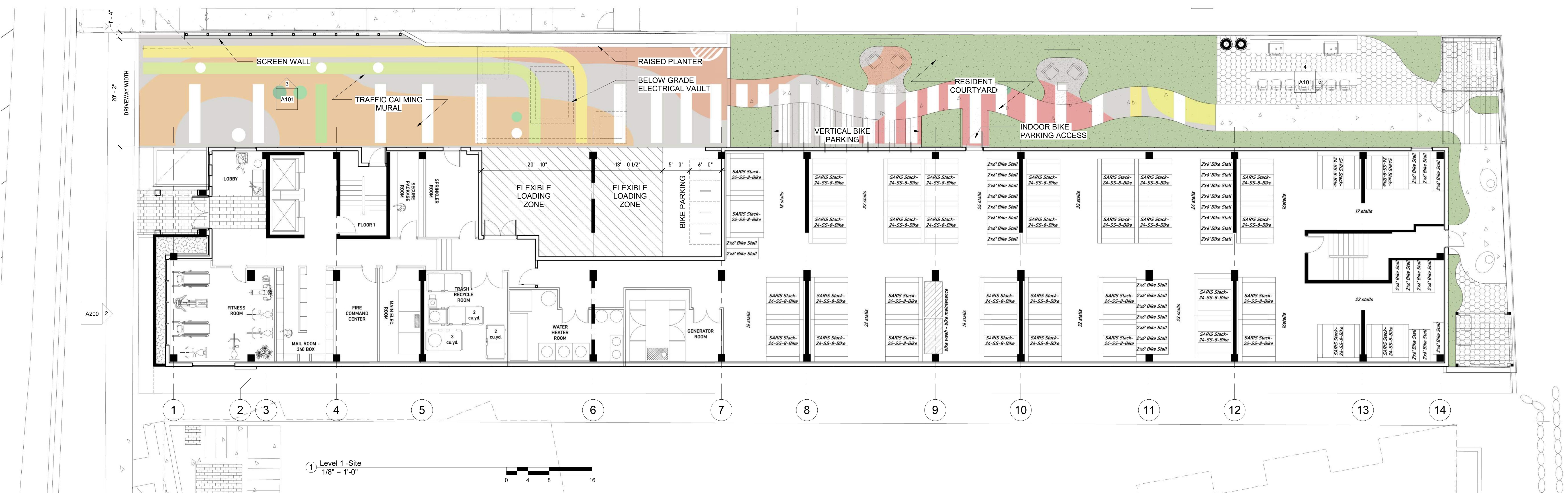
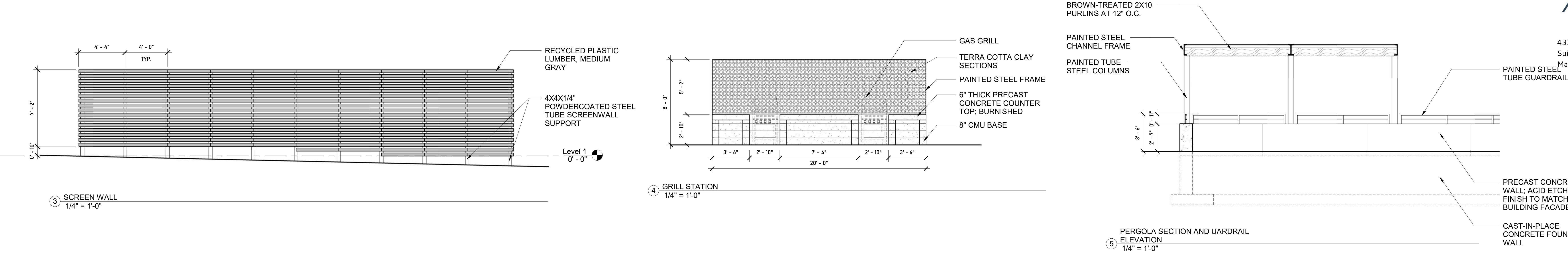
TORQUE COMPANIES

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Project Status	
Project number	Project Number
Date	Issue Date

Date _____



No.	Description	Date

**TORQUE
COMPANIES**

139 W. WILSON

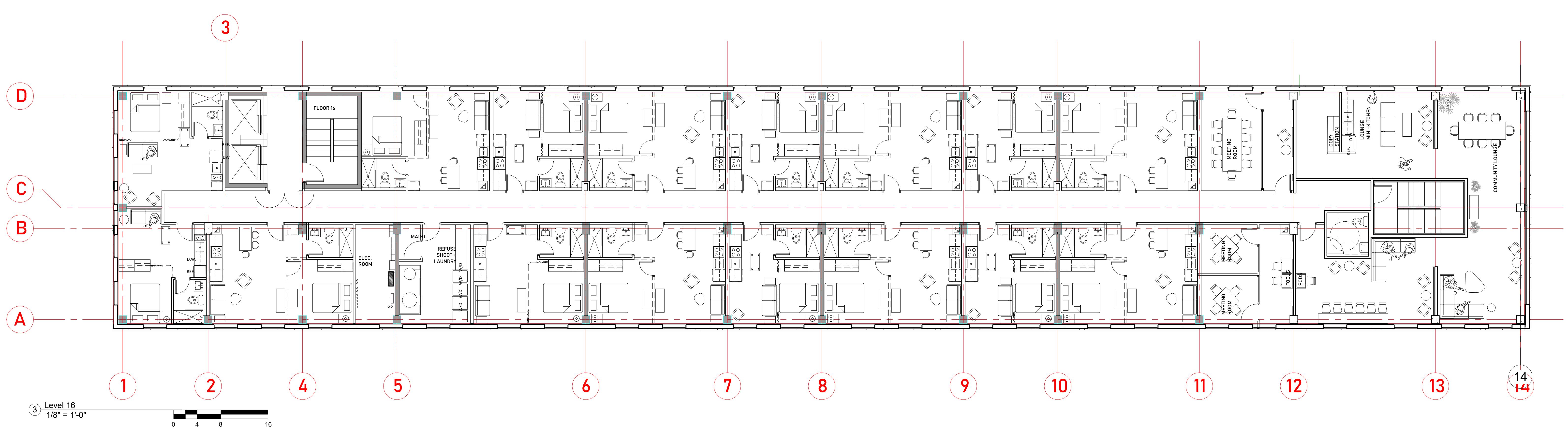
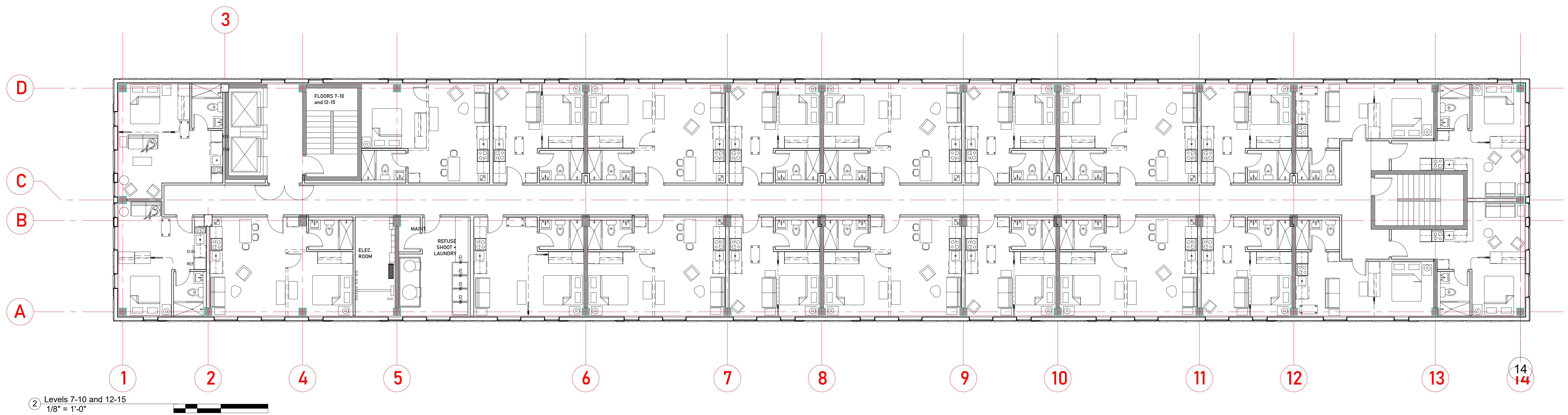
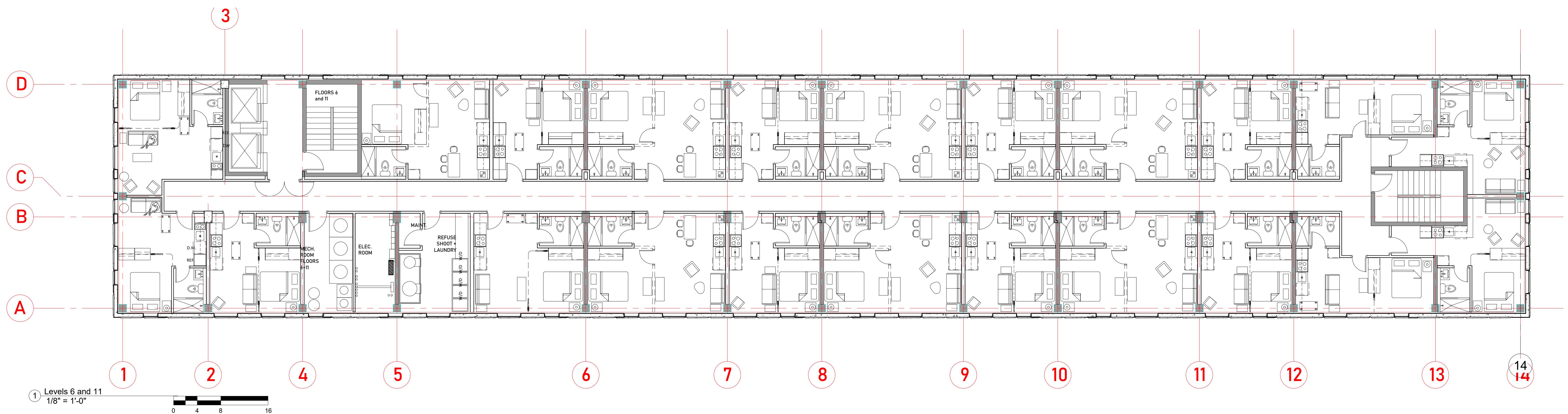
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**SITE PLAN, SITE
DETAILS AND FLOOR
PLANS**

Project Status	Project Number	Project Number	Issue Date

A101

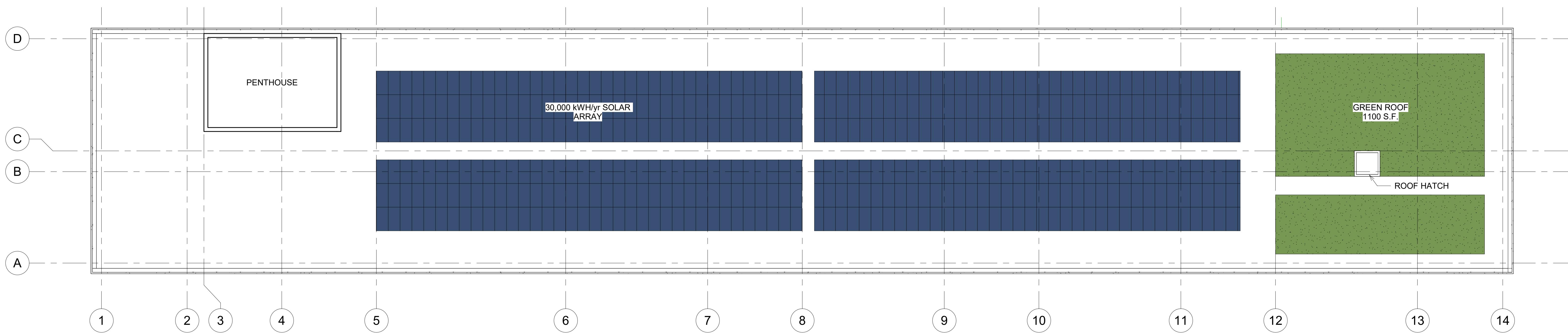
33 W. Washington Ave. (608) 204-7464
suite 400 AroEberle.com
Madison, WI 53703



TORQUE COMPANIES

139 W WILSON

Enter address here



① ROOF PLAN
 1/8" = 1'-0"



No.	Description	Date

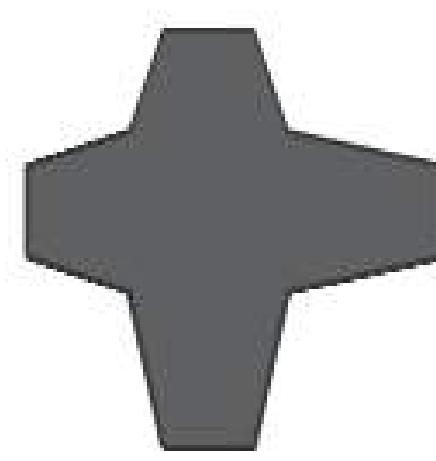
TORQUE
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139 W. WILSON

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 Roof Plan

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TORQUE COMPANIES

139 W. WILSON

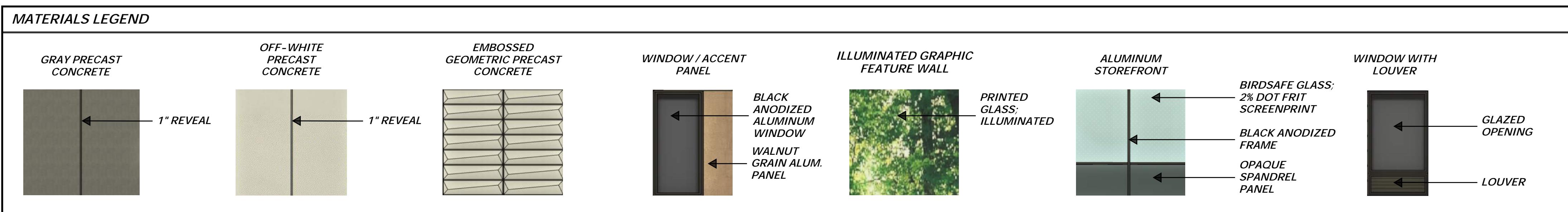
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UNIT PLAN TYPICALS

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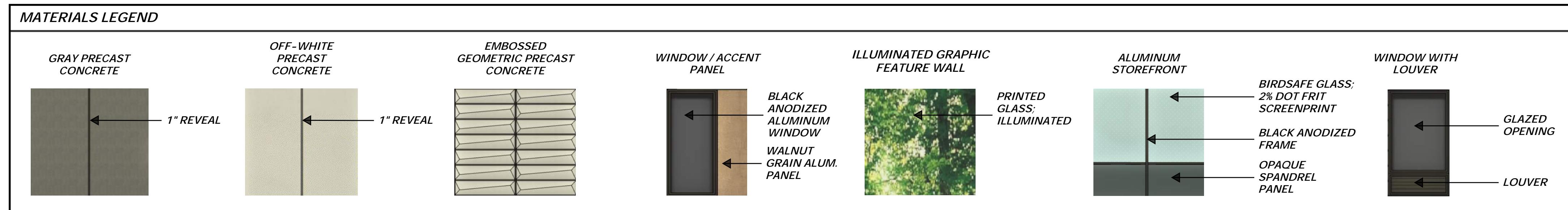
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MATERIALS LEGEND



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MATERIALS LEGEND





MATERIALS LEGEND

GRAY PRECAST CONCRETE

OFF-WHITE PRECAST CONCRETE

EMBOSSED GEOMETRIC PRECAST CONCRETE

WINDOW / ACCENT PANEL

ILLUMINATED GRAPHIC FEATURE WALL

ALUMINUM STOREFRONT

BIRDSAFE GLASS
2% DOT FRT SCREENPRINT

BLACK ANODIZE FRAME

OPAQUE SPANDREL PANEL

1" REVEAL

1" REVEAL

BLACK ANODIZED ALUMINUM WINDOW

WALNUT GRAIN ALUM. PANEL

PRINTED GLASS; ILLUMINATED



4 LEVELS (AS SHOWN IN RENDERINGS)

2 North
1/8" = 1'-0"

3 LEVELS

2 North
1/8" = 1'-0"

TORQUE COMPANIES

139 W WILSON

Enter address here

ELEVATION OPTIONS

Project Status	
Project number	Project Number
Issue	Issue Date



NE CORNER VIEW

139 WEST WILSON

LAND USE APPLICATION

08/04/2025



NW CORNER VIEW

139 WEST WILSON

LAND USE APPLICATION

08/04/2025



NW CORNER VIEW

139 WEST WILSON

LAND USE APPLICATION

08/04/2025



SW AERIAL VIEW

139 WEST WILSON

LAND USE APPLICATION

08/04/2025



ENTRY OPTION 1

139 WEST WILSON

LAND USE APPLICATION

08/04/2025

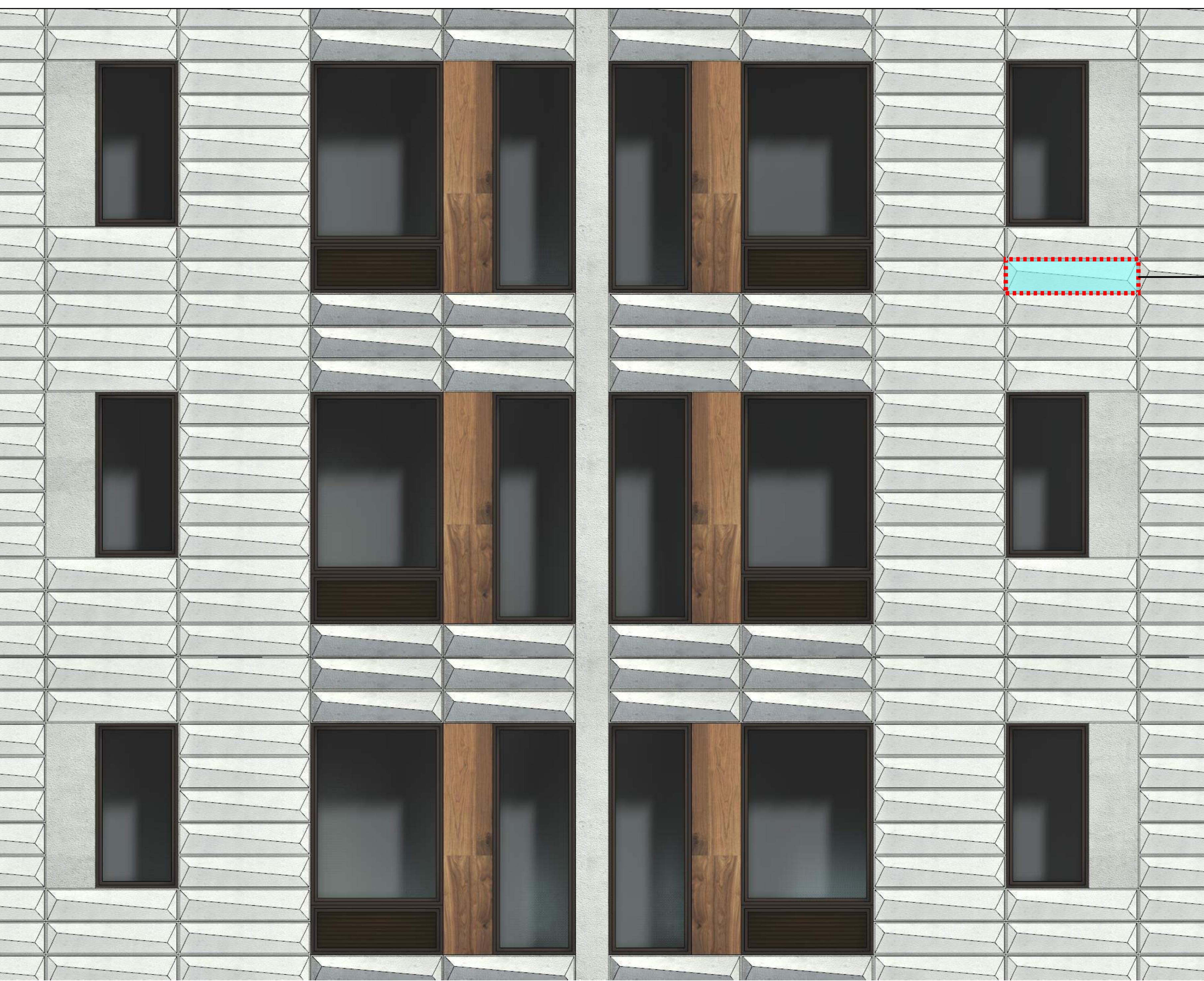


ENTRY OPTION 2

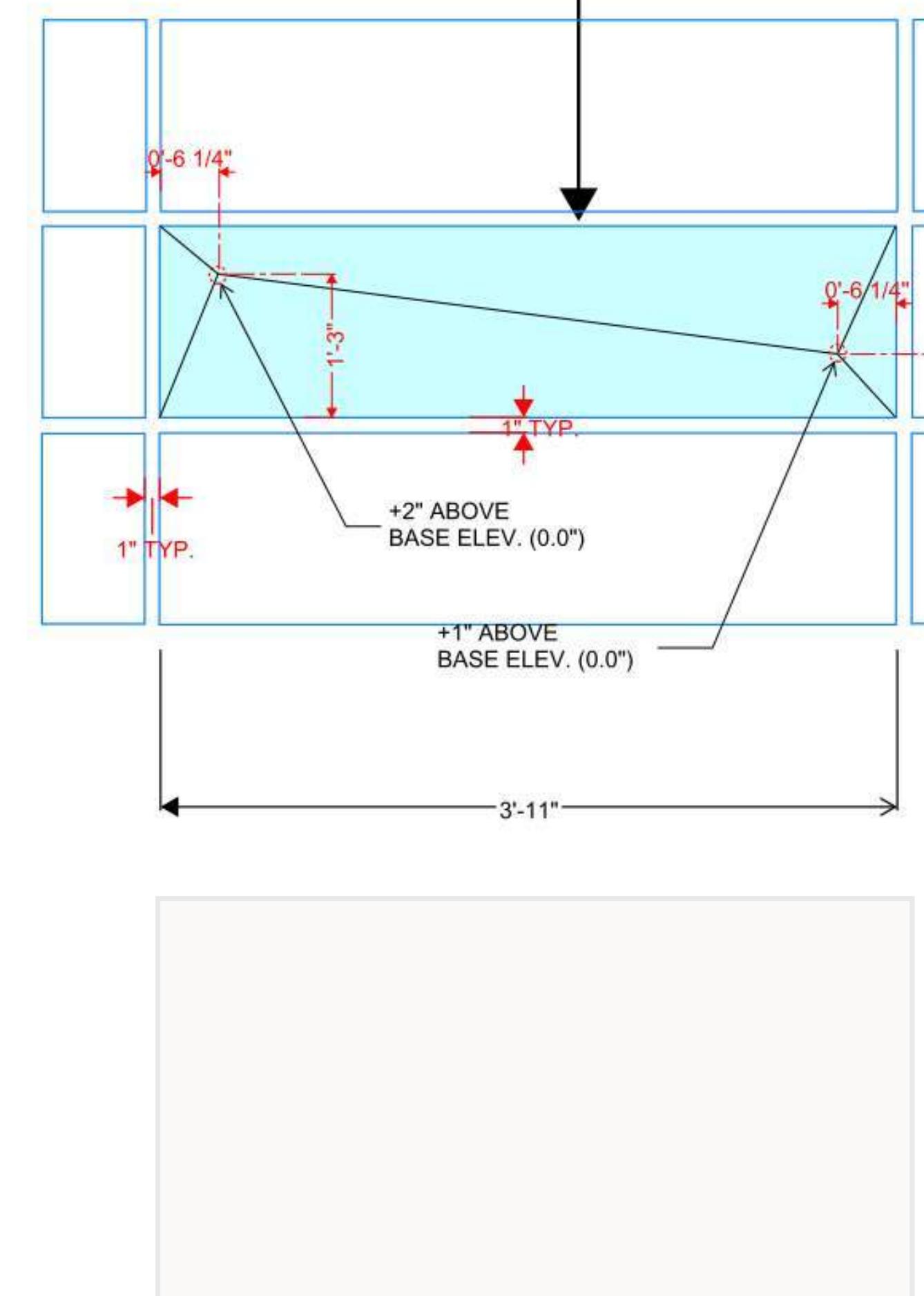
139 WEST WILSON

LAND USE APPLICATION

08/04/2025



Typical 1' x 4' faceted unit



Acid etched concrete wall panel. Color: PEARL WHITE



PRIMARY EXTERIOR MATERIAL:

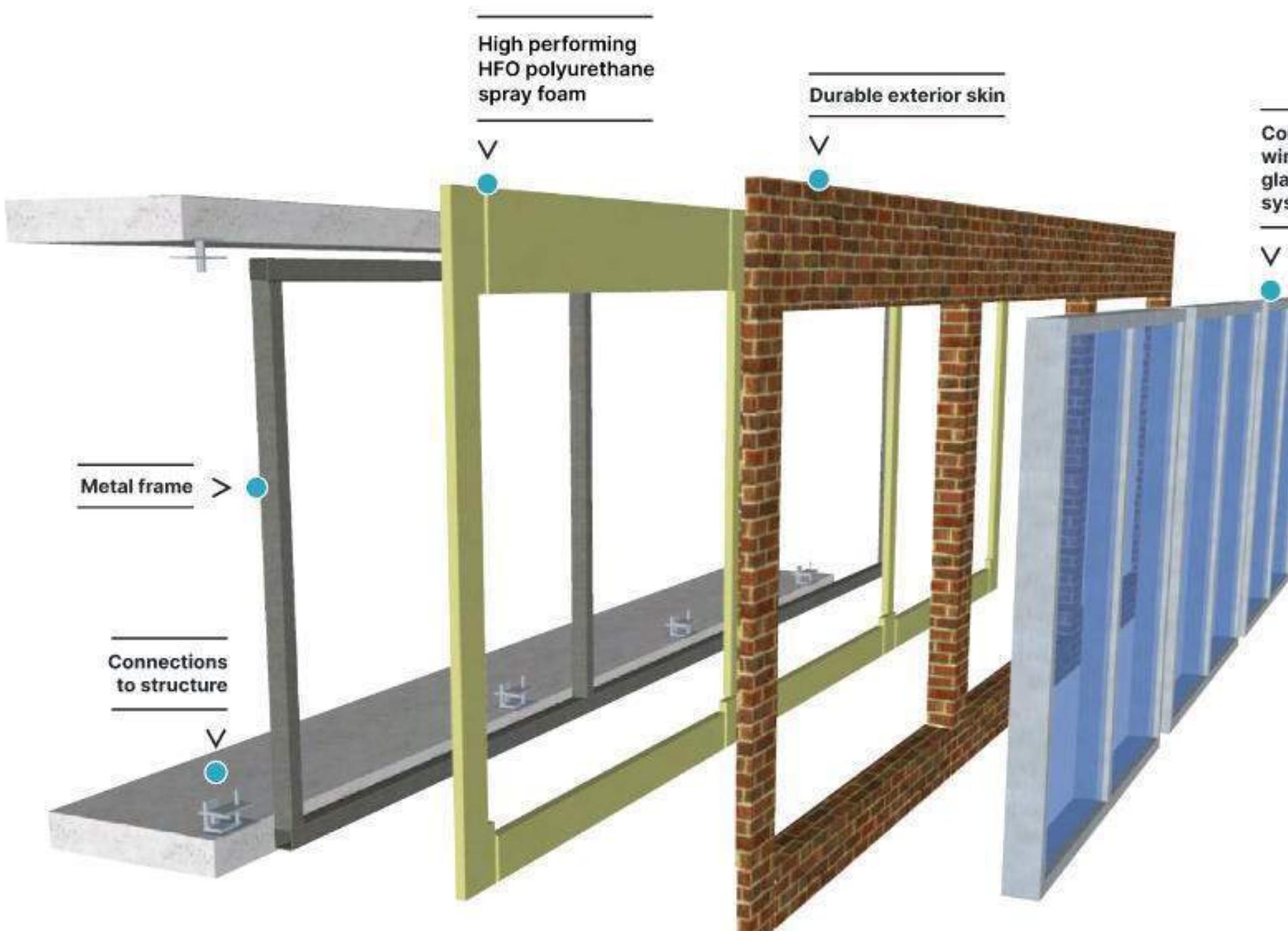
Factory fabricated concrete skin wall panels whose primary sizes are 10' H x 24' W and 32' W.

Within each large panel the surface contains multiple custom formed 1' H x 4' W facets.

The concrete has a fine acid etched finish with pearl white color.

Wall panel manufacture is Wells Infinite Facade.
www.infinitefacade.com
Project manager is Dan Stenzel (dan.stenzel@wellsconcrete.com)

3 | An Introduction to Infinite Facade

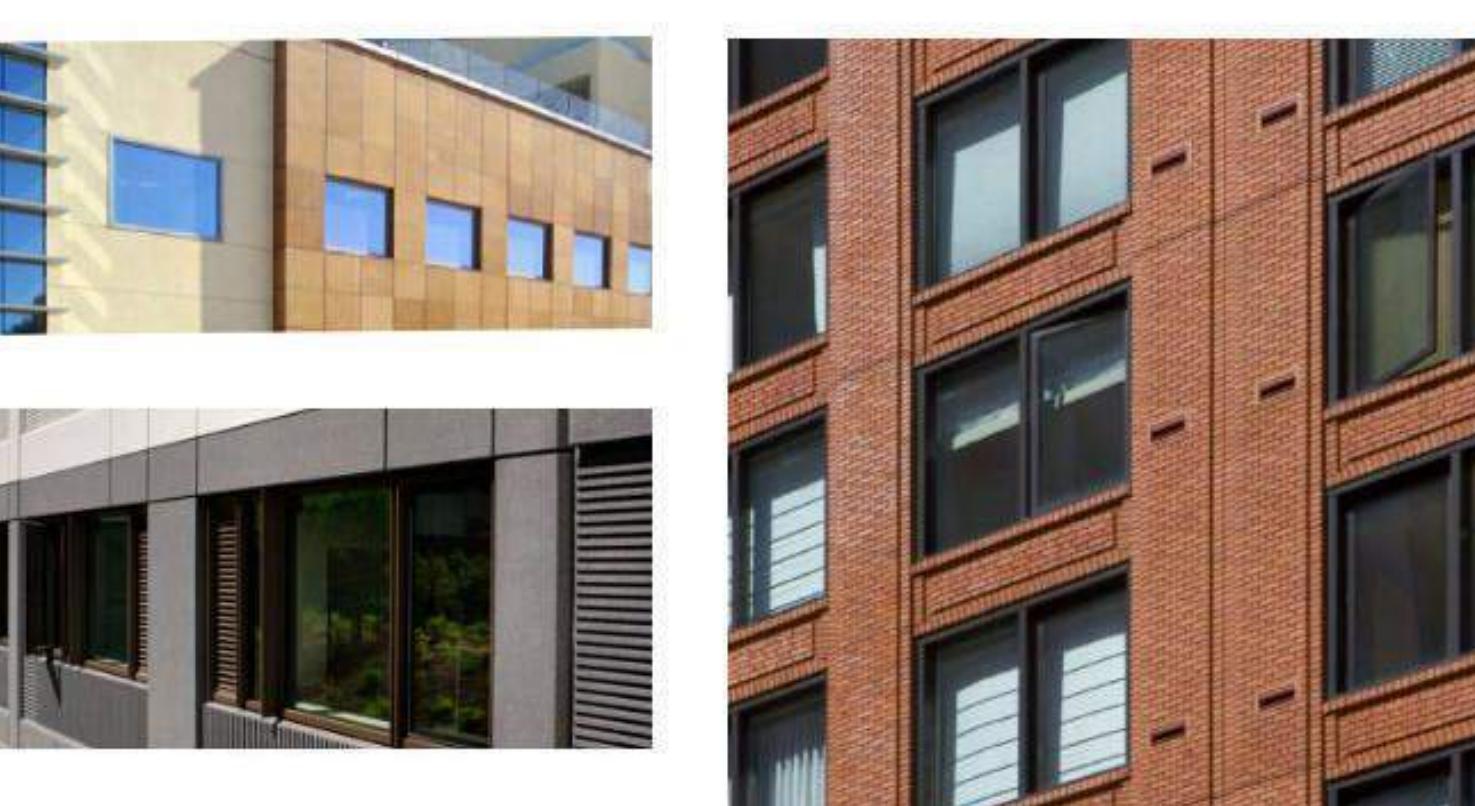
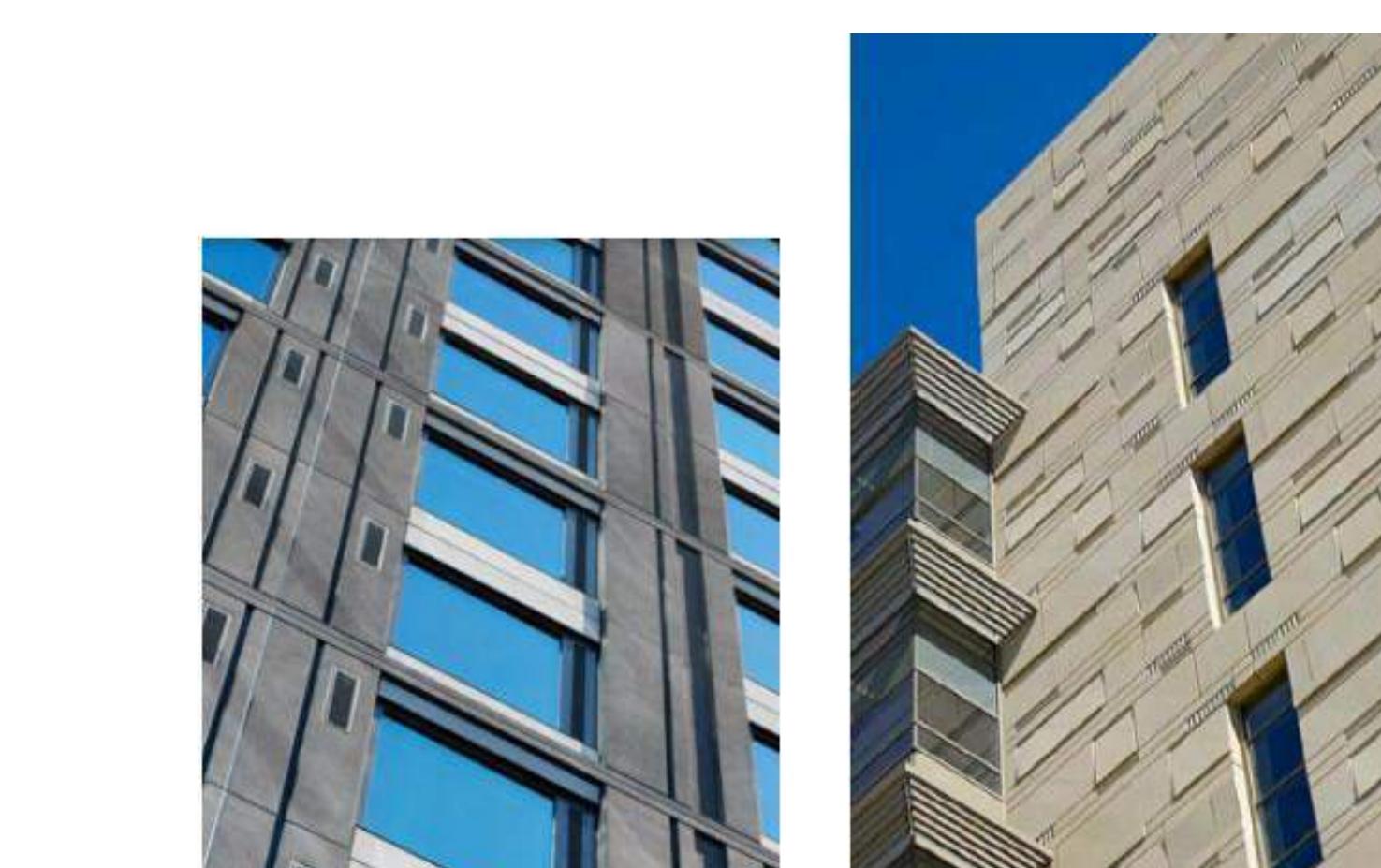


Complete wall shipped to site, craned in place and attached to structure, maximizing schedule efficiency.



BENEFITS OF PREFABRICATION

- Reduces site impacts
- Accelerates construction schedules
- Ensures constructability
- Provides budget certainty
- Factory quality
- Reduces risk
- Streamlined logistics and shipping processes



4 | An Introduction to Infinite Facade



Finishes

Our exterior finish options are limitless. In addition to the wide variety of colors and textures currently available in traditional precast, other materials can be cast into the exterior veneer – such as brick, terracotta, and stone. The use of form liners also allows for an endless number of geometric patterns and reveals to be incorporated into the design.

Aesthetic Customization

- 1 Pick the texture you like.
- 2 Choose your color scheme.
- 3 Select your finish style.



No.	Description	Date

TORQUE COMPANIES

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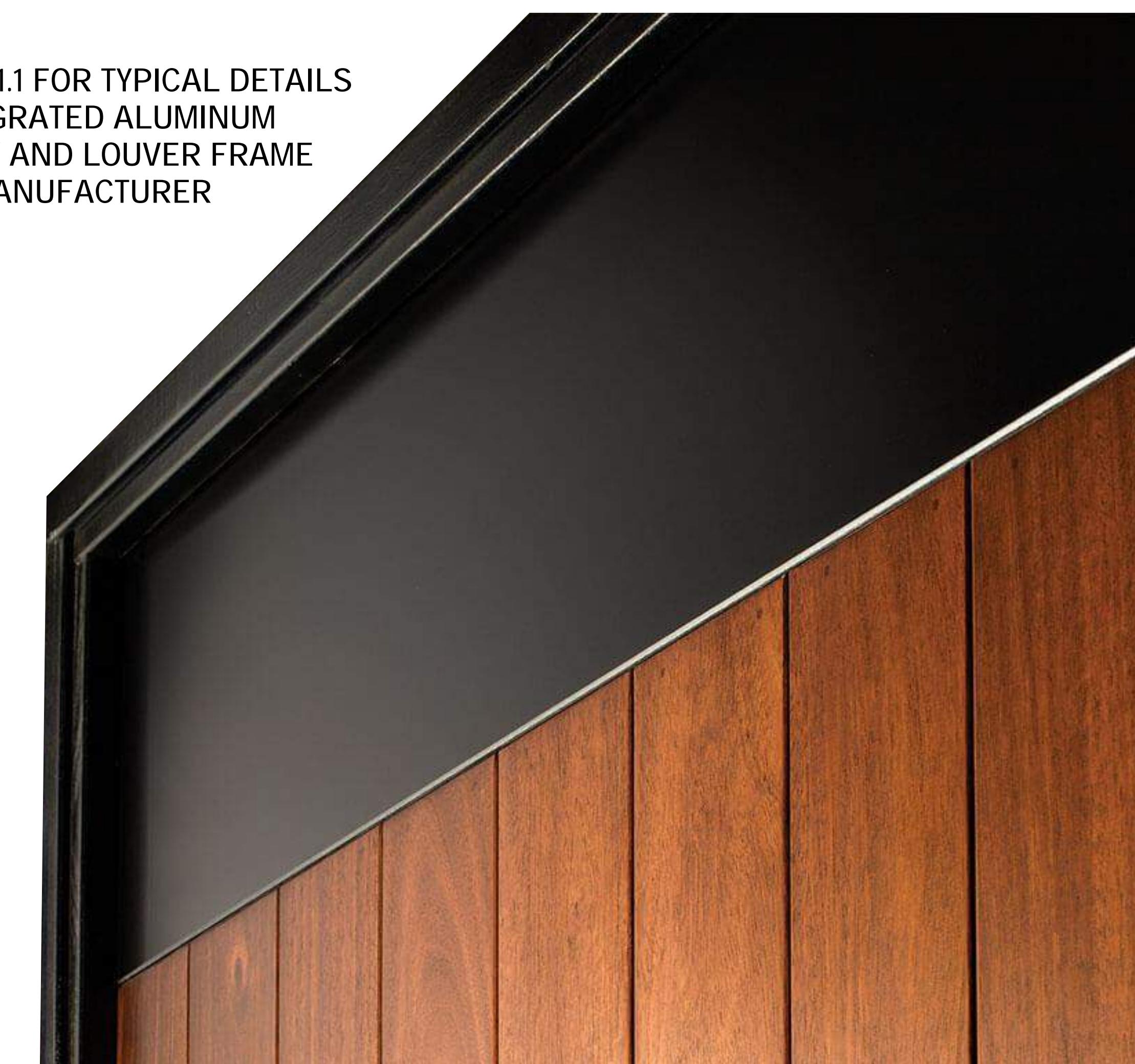
MATERIAL DATA

Project Status	Project Number	Issue Date
Date		



ENLARGED PARTIAL NORTH FAÇADE SHOWING TYPICAL WINDOW - LOUVER - LONGBOARD CONFIGURATION AND SIZES

SEE A301.1 FOR TYPICAL DETAILS OF INTEGRATED ALUMINUM WINDOW AND LOUVER FRAME FROM MANUFACTURER



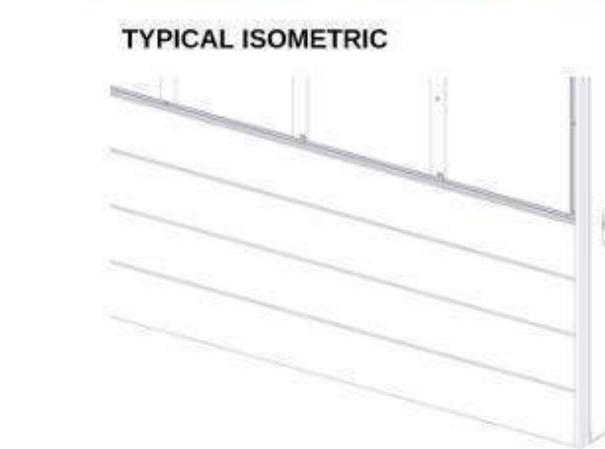
DARK BRONZE ALUMINUM NEXT TO TABLE WALNUT - 1 VERTICAL LONGBOARD

LONGBOARD ARCHITECTURAL
PRODUCTS - TONGUE AND GROOVE
CLADDING SYSTEM - 4" WIDE (4V)
VERTICAL ORIENTATION. COLOR:
TABLE WALNUT -1



1" INSULATED CLEAR GLASS - SLIM PROFILE
ALUMINUM STOREFRONT WINDOW SYSTEM.

DARK BRONZE ANODIZED ALUMINUM FINISH AT ALL
EXTERIOR WINDOWS, DOORS AND INTEGRAL WINDOW
LOUVERS.



PROFILES

V-Groove: 2-1/2", 4", 6"
Smooth: 6"
Channel: 6"
Standard Lengths: 24'
96 SQ FT/box

COMPONENTS - Standard Lengths: 12'

Traditional: Starter Strip, Back-to-Back Starter Strip, 2" Corner Set, 1-3/8" Two Piece J-Track, 1-3/8" U-Reveal Set, 1-1/2" Two Piece J-Track, 1-1/2" Flat U-Reveal Set, 1-1/2" U-Reveal Set, 1-1/2" T&G U-Reveal, 2" Offset Flat Reveals

Craftsman: 3/4" Inside Corner, 1" Outside Corner, 3/4" U-Reveal Set, 3/4" T&G U-Reveal

Precision: 5/8" Stagger J-Track, 3/16" Outside Corner, 5/8" T-Track, 5/8" Two Piece J-Track, 5/8" T&G Termination Set, 1/2" Flat Reveals, 1/2" T&G Flat Reveals

X60_IS_RB_V3

FINISHES

Woodgrains, solid color, naturally aged metal, custom solid color matching (additional lead times apply)

ATTACHMENT

Planks: Quick-screen clips w/ #8 screws* @ 32" o.c. (standard). Quick-screen clips included: 135 pcs/4' box, 90 pcs/6' box. Trim: hard fasten w/ #8 screws* @ 16" o.c. *Screws not included.

BIM & CAD

RVT & DWG files available, see website for details

LEAD TIME

3-6 business days + shipping (subject to change)

 **LONGBOARD**
ARCHITECTURAL PRODUCTS

info@longboardproducts.com
longboardproducts.com
800 604 0343

TECHNICAL SPECIFICATIONS

PHYSICAL DATA
6063-T5 Extruded Aluminum
100% Recyclable
Warranty: 15 year (standard)/20 year* (ultra) (*10 week lead time);
Aluminum: 50 years
Weight (lbs/sqft): ~1.5

TESTING

ICC-ES Evaluation Report - Division: 07 00 00 Thermal and Moisture Protection Section: 07-40 00 - Siding
AAMA 509 Rainscreen: V1, V2

LARR - Los Angeles Department of Building Safety (LADBS) accepts ICC-ES reports as proof of compliance
Florida Product Code: FL2007

Miami-Dade, Florida Notice of Acceptance (NOA): NOA No. 22-0209.01

Expiration Date: January 26, 2028

Impact testing: TAS 201

WUI (The Wildland-Urban Interface) - California Department of Forestry & Fire Protection Office of the State Fire Marshal Listing No. 8140-2286-0500

FL

Fire Rating: Class A Non-Combustible by ASTM E136 & ASTM E84; A2-s1,00 by EN 13501-1

Light Reflectance: 5% (Black) up to 73.2% (Ultra White)

Wind load: Up to 121 psf (5794 Pa) TAS 202, TAS 203

No.	Description	Date

**TORQUE
COMPANIES**

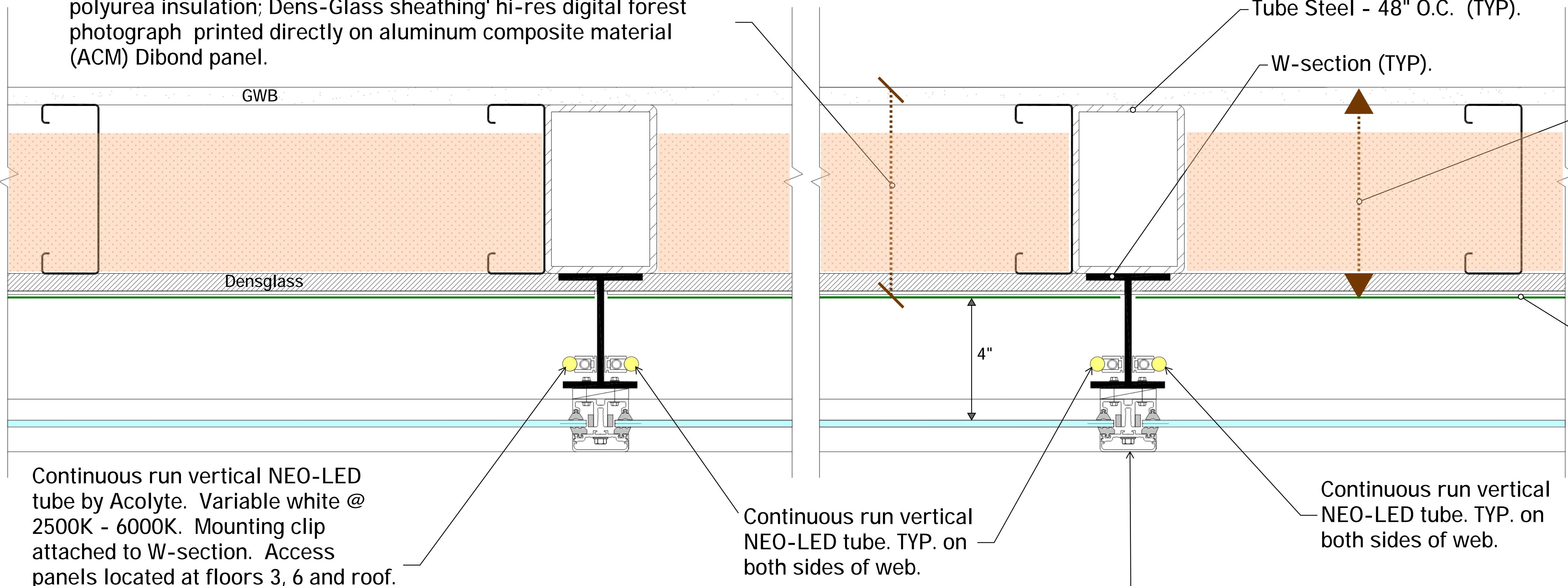
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**MATERIAL
DATA**

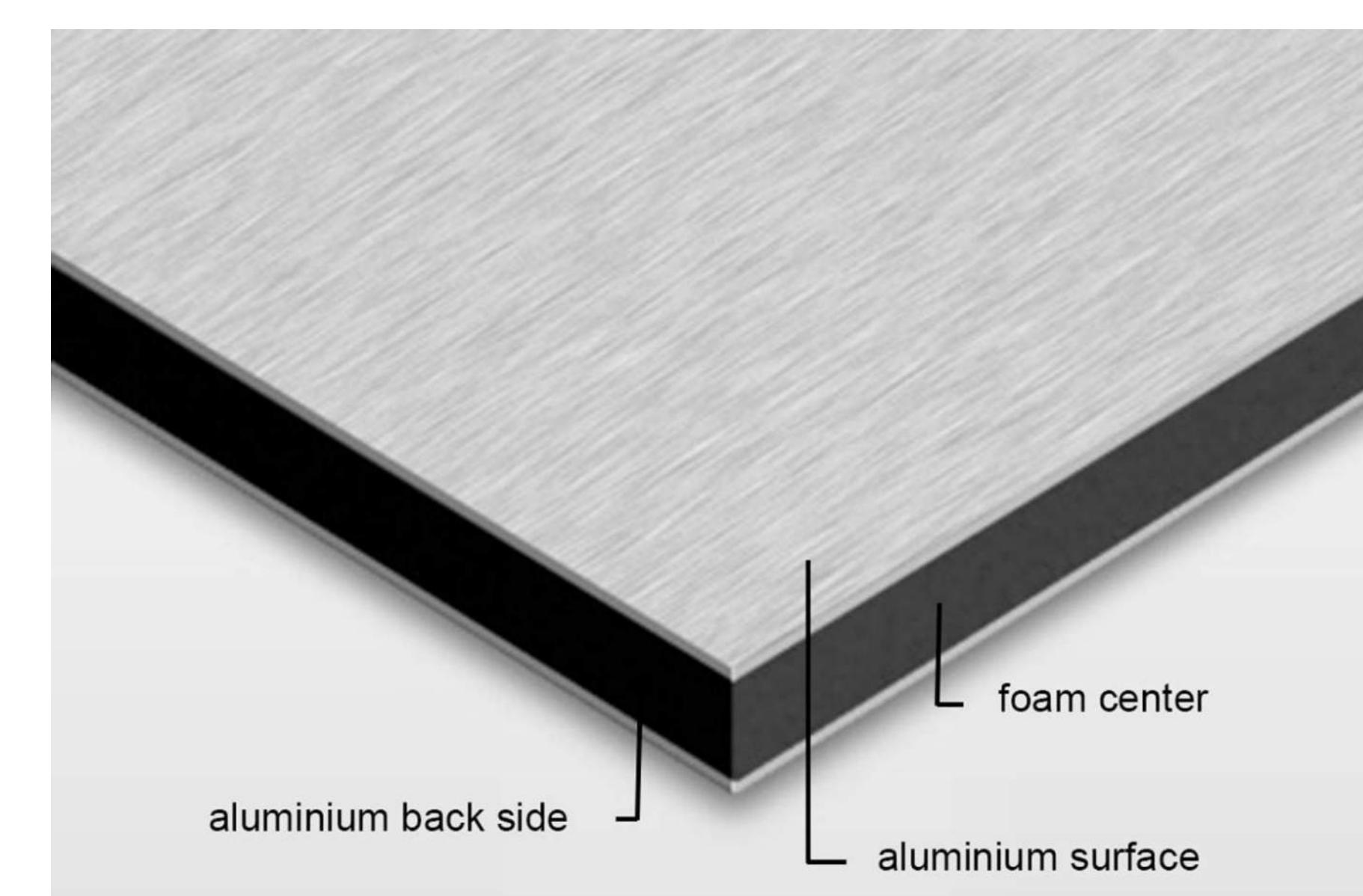
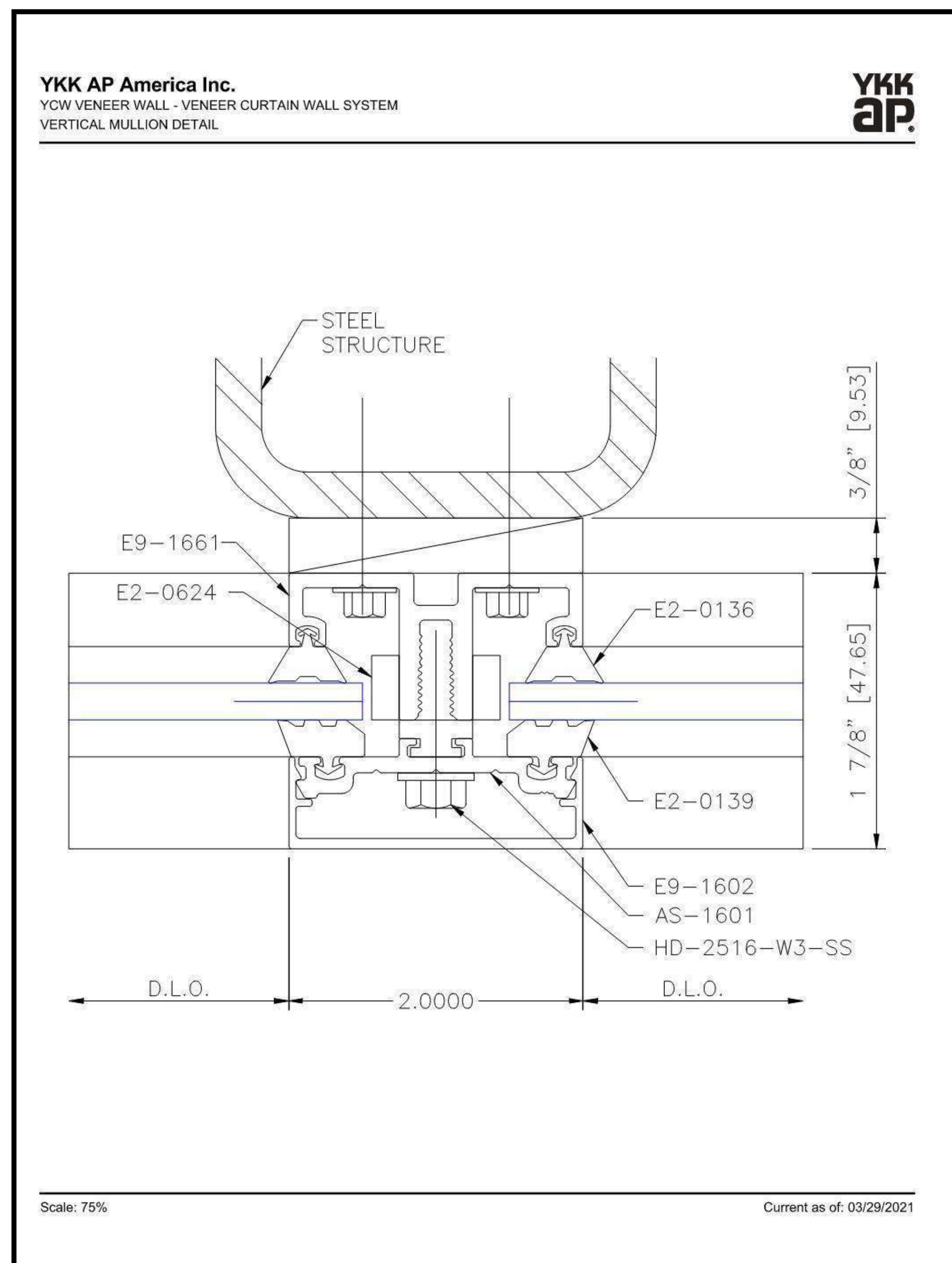
Project Status	Project number	Project Number
Date		Issue Date

EXTERIOR WALL ASSEMBLY: 5/8" Type 'X' GWB" 6" metal studs; polyurea insulation; Dens-Glass sheathing' hi-res digital forest photograph printed directly on aluminum composite material (ACM) Dibond panel.



Window systems located within this portion of the overall curtain wall assembly. Where occurs on all elevations. (TYP.).

1 Exterior art wall - Plan detail (TYP)



3 3mm (1/8") DiBond-Aluminum Composite material (ACM).



4 Example of direct print (ACM).

No.	Description	Date

TORQUE COMPANIES

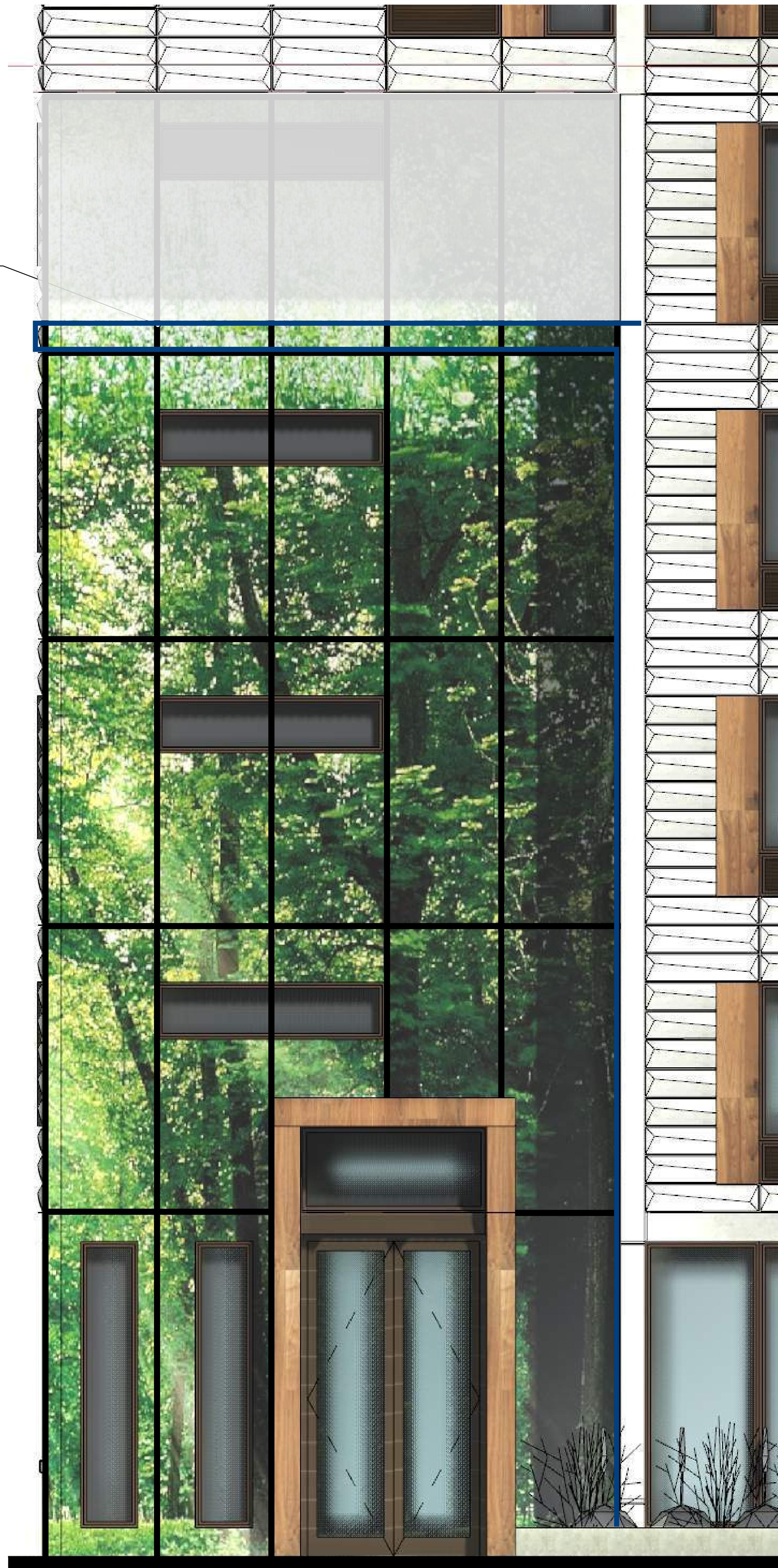
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ILLUMINATED GRAPHIC DETAIL

Project Status	Project number	Project Number	Issue Date

FINAL DESIGN AND PHOTOMETRICS PENDING ENTRY OPTION SELECTION

433 W. Washington Ave. (608) 204-7464
Suite 400 AroEberle.com
Madison, WI 53703



1 North Curtain wall Elevation



2 North Curtain wall LED light location

Location of concealed
NEON LED tubes shown in
red dash. See detail
1/A302.

GENERAL NOTE:
Glass curtain wall and illuminated art wall assemblies as shown on East Elevation to follow same detail and lighting configurations.

TORQUE COMPANIES

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ILLUMINATED GRAPHIC DETAIL

Maximum height for this proposal given MGO 28.134 (3) - Capital view preservation

City Datum @ 0'-0" is established per code at 845.6'. From there to top of column capital at rotunda, code provides max height of 187.2 above datum.

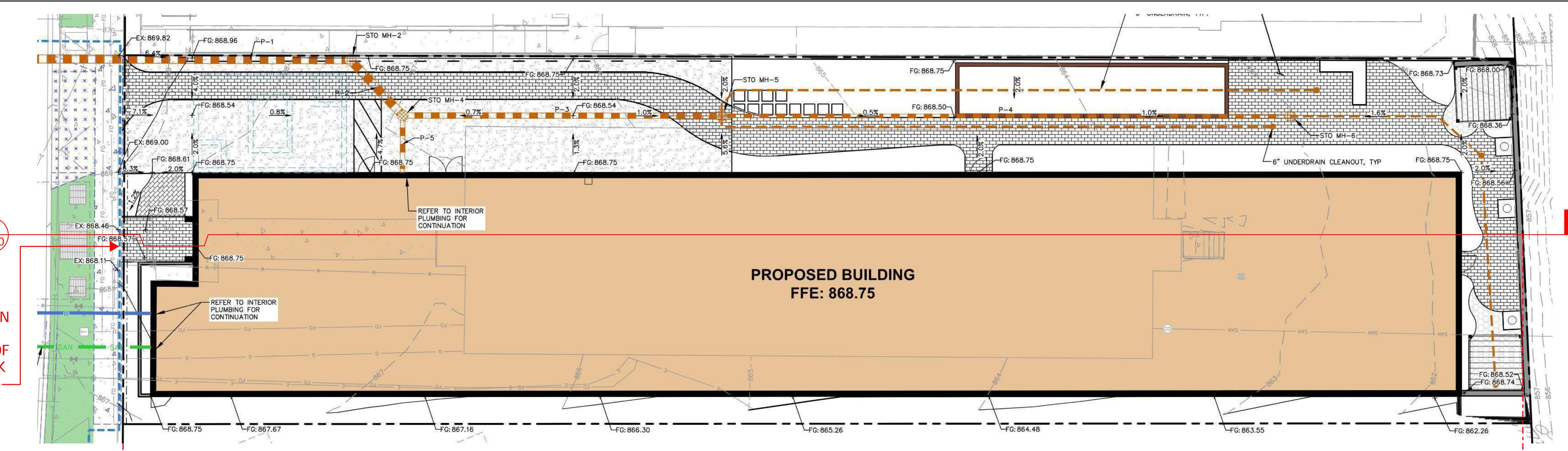
The sum of these is 1032.8'.

Elevation at front center of sidewalk is 868.305'.

Our FFE is 868.75'. As a result the max height for this proposal is 1032.8' - 868.75' = 164.05'.

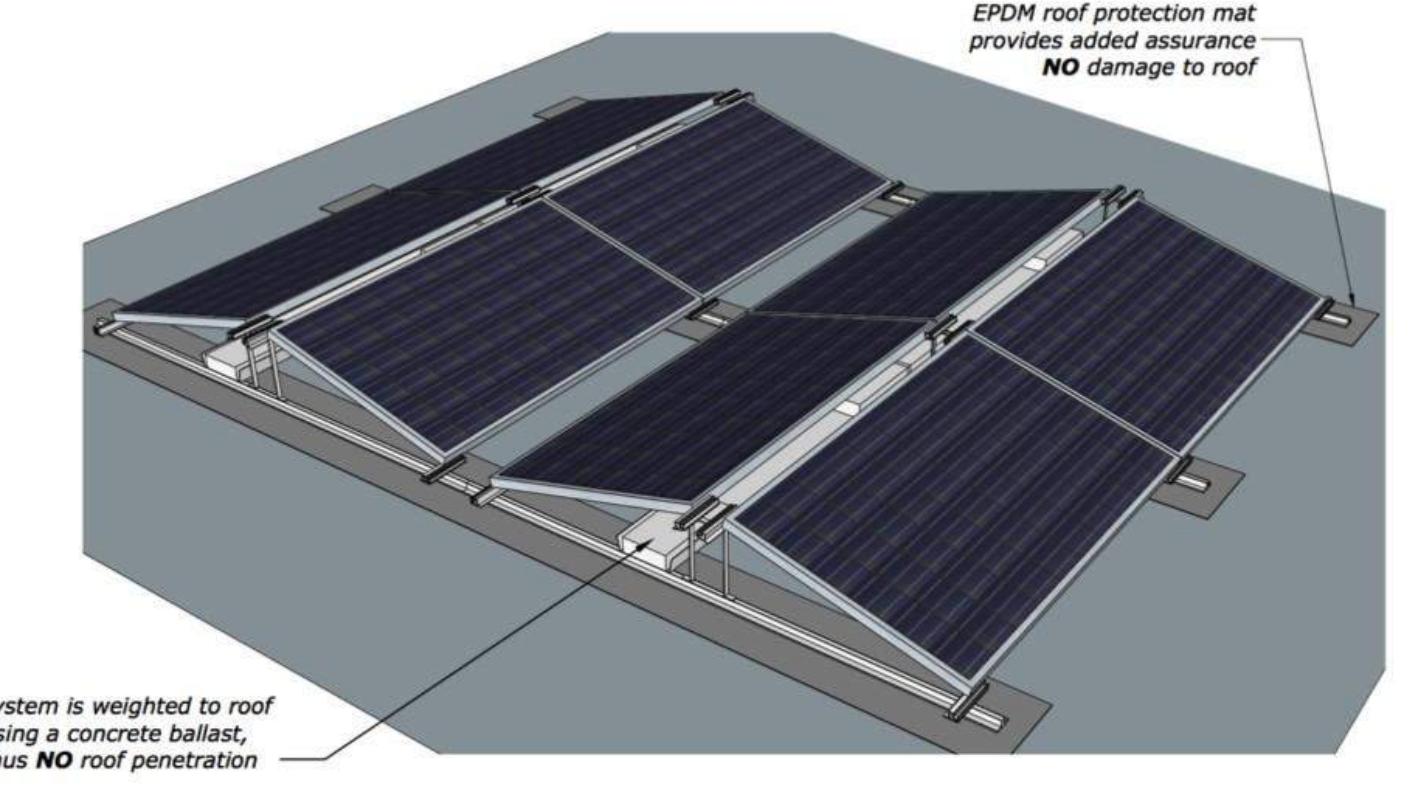
Top of parapet is 163' - 9 1/2"

Conditional approval requested for penthouse overrun of 7'-2 1/2" above parapet.

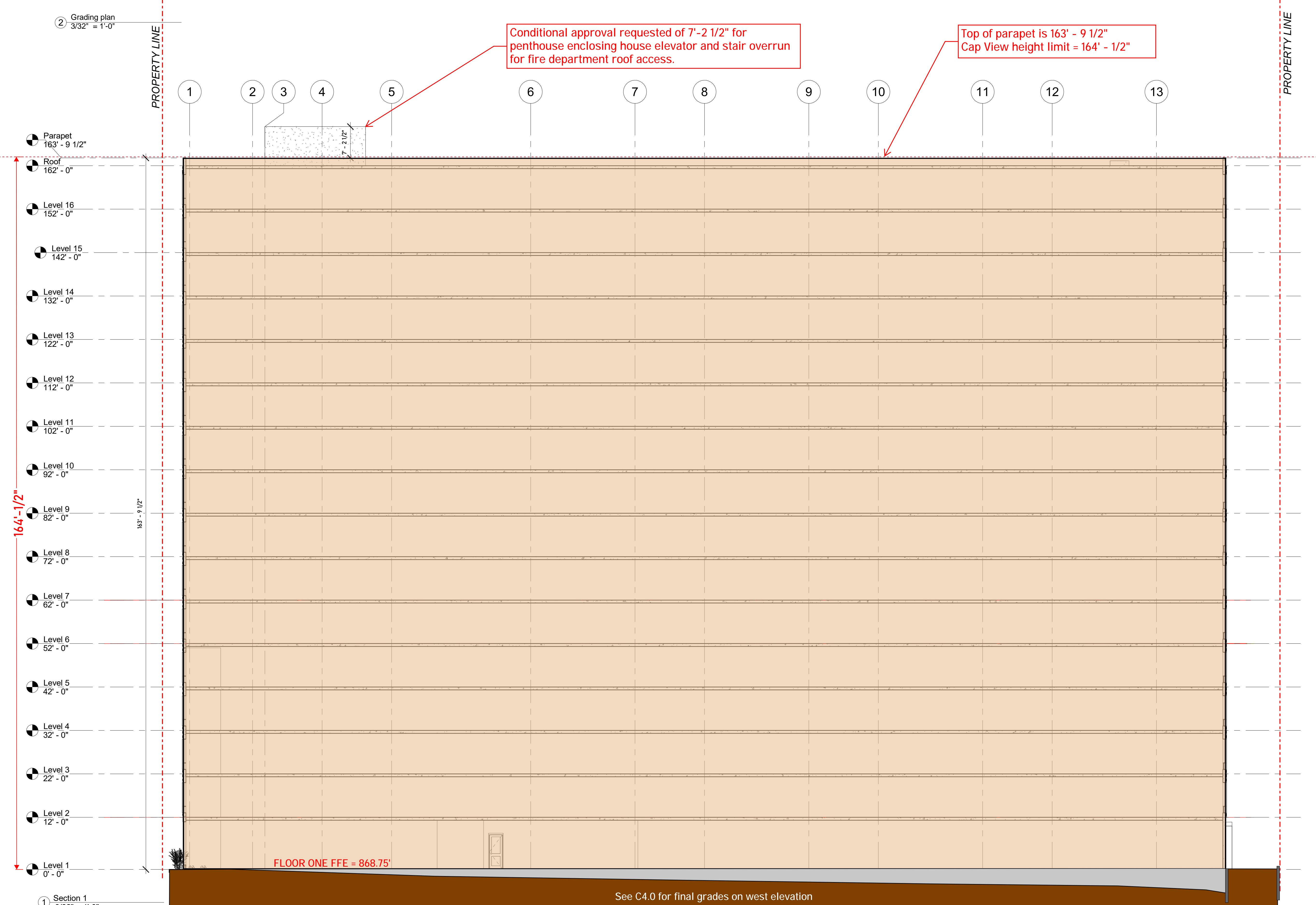


CAP VIEW HEIGHT LIMIT
= 164' - 1/2"

Low profile solar array system *SunPeak DeltaWing*



PV array system is below CAP view limit. PV panels and array brackets are 13 5/8" tall and parapet is 21 1/2" high.



No.	Description	Date

TORQUE COMPANIES

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HEIGHT LIMIT EXHIBIT

Project Status	Project number	Project Number
Date		Issue Date



streetbond®

StreetBond® Pro 220 and Pro 250

MMA Pavement Coating Systems

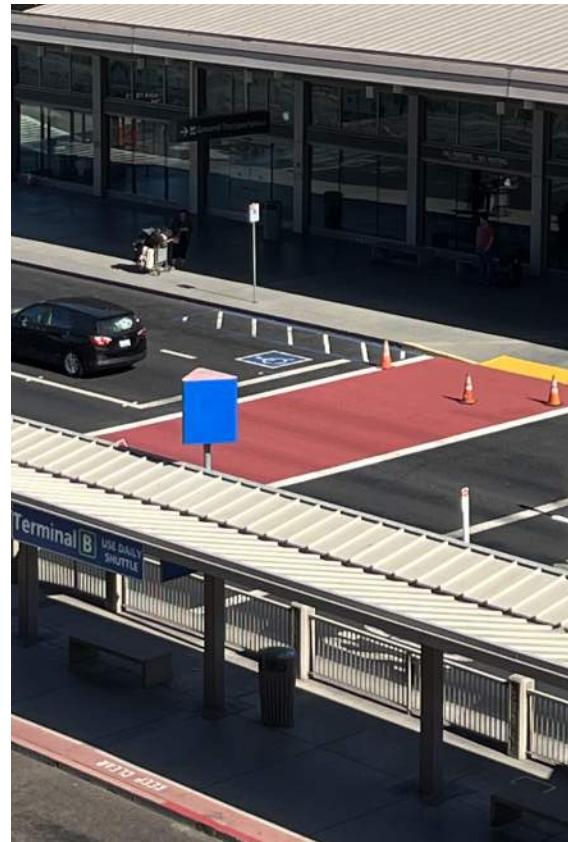


Fast cure. Bold color. Durable protection.

Transform and protect pedestrian and vehicular traffic surfaces from degradation and wear with StreetBond® Pro Pavement Coating — a liquid-applied, MMA resin-based system that provides bold, UV-stable color and anti-skid aggregates in a fast-curing formula.

StreetBond® Pro Pavement Coating offers a broad palette of UV-stable colors for creative freedom and a quick cure time for fast return to service. High-reflectivity colors are available to reduce surface temperature. Plus, StreetBond® Pro Pavement Coating offers:

- Easy application — Each color is factory-formulated with the right amount of aggregate and colorant; simply add the catalyst, mix, and apply with a squeegee and roller.
- Cold-weather application — StreetBond® Pro can be applied in temperatures as low as 32°F (0°C).
- Flexibility — StreetBond® Pro works with the normal expansion and contraction of asphalt surfaces and will not peel, delaminate, or shrink-crack when installed according to manufacturer's specifications.
- Durability — Engineered to withstand traffic wear and water damage.
- Excellent adhesion to asphalt and concrete.
- Color stability — UV-stable pigments help resist fading.
- Skid resistance — Excellent friction properties provide slip and skid resistance.
- Chemical resistance — Formulated to help protect against damage and deterioration caused by fuel, engine oil, and de-icing agents.
- Quick return to service — StreetBond® Pro Pavement Coatings have a fast cure time — typically rainproof in 30 minutes, and stress resistant in 2 hours — allowing quick return to service and minimizing disruption.



Choose the right grade for your project:

Pedestrian and low-volume light traffic areas such as walk paths, bike lanes, and raised medians	StreetBond® Pro 220
More intensive pedestrian or vehicular traffic such as bus lanes, traffic lanes, and pedestrian plazas	StreetBond® Pro 250

GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
- ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND MUNICIPAL REQUIREMENTS.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
- NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

DEMOLITION NOTES

- THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY RECONNAISSANCE, "DIGGER'S HOTLINE" LOCATION, AND GENERAL "STANDARD" CALL. THESE MAY BE ADDITIONAL ITEMS THAT CAN BE IDENTIFIED BY A REASONABLE OBSERVATION OF THE PROPERTY. THE ENGINEER WILL HAVE THE DISCRETION TO DETERMINE WHAT MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE THE ENGINEER WITH A LIST OF THESE ITEMS. THESE ITEMS ARE NOT CONSIDERED TO BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. THE CONTRACTOR/BIDDER SHALL TAKE FULL RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
- CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
- ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUNDED TO PROPOSED SUBGRADE.
- ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENCES. SALVAGE FOR RELOCATION, COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRICAL LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
- ABANDONED/REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.
- CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES, WHICH ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE ADVISED THAT THE CITY ENGINEER DETERMINES NEEDS TO BE REPAVED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND ADVISED PRIOR TO THE START OF CONSTRUCTION.
 - VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
 - NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
 - NOTIFYING THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.

- ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
- CONTRACTOR TO COORDINATE PRIVATE UTILITY REMOVAL / ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. COORDINATION REQUIRED PRIOR TO CONSTRUCTION.
- ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED MUNICIPALITY RECYCLING PLAN.
- ANY CONTAMINATED SOILS SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROVED LANDFILL.
- ALL EXISTING UTILITIES TO BE LOCATED AND FLAGGED BY CONTRACTOR.
- EXISTING FIBER OPTIC LINE TO BE CLEARLY MARKED PRIOR TO ANY EXCAVATION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING FIBER OPTIC LINE LOCATION.
- SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION J3.2.24. OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF MADISON SPECIFICATIONS.
- WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.1.0. OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF MADISON SPECIFICATIONS.
- ALL PERMIT EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENT FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
- BUILDING REMOVALS SHALL BE BY A QUALIFIED CONTRACTOR. CONTRACTOR TO FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS AND DISPOSE OF ALL DEMOLITION MATERIALS. ALL DEMOLITION MATERIALS SHALL NOT BE BURIED ON SITE. IF ENCOUNTERED, ANY CONTAMINATED SOILS SHALL BE REMOVED TO A LANDFILL IN ACCORDANCE WITH APPROPRIATE STATE AND FEDERAL REGULATIONS.
- CONTRACTOR TO REMOVE EXISTING UTILITY PIPE OR PROVIDE PIPE BACK-FILLING AFTER REMOVAL OF EXISTING UTILITIES WITHIN BUILDING FOOTPRINT USING "LOW DENSITY CONCRETE/FLOWABLE FILL".
- RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHOULD BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS. DEMOLITION AND REMOVAL THIS INCLUDES CURB & GUTTER, SIDEWALK, TOPSOIL, SEEDING AND MULCHING.

- SECTION 28.185(9) REQUIRES THAT EVERY APPLICANT FOR A DEMOLITION OR REMOVAL APPROVAL THAT IS REQUIRED TO PREPARE A REUSE AND RECYCLING PLAN, PREPARE A REUSE AND RECYCLING PLAN APPROVED BY THE CITY RECYCLING COORDINATOR, BRYAN JOHNSON AT STREETSDOTOFMADISON.COM PRIOR TO RECEIVING A RAZE PERMIT. EVERY PERSON WHO IS REQUIRED TO SUBMIT A REUSE AND RECYCLING PLAN PURSUANT TO SECTION 28.185(9) SHALL SUBMIT THE SAME COMPLIANCE WITH THE PLAN WITHIN SIXTY (60) DAYS OF COMPLETION OF DEMOLITION. A DEMOLITION OR REMOVAL PERMIT IS VALID FOR ONE (1) YEAR FROM THE DATE OF THE PLAN COMMISSION.
- CONSTRUCTION SEQUENCING
 - INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
 - STRIP AND STOCKPILE TOPSOIL. INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
 - CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AS NEEDED.
 - INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
 - COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
 - PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
 - EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED.
- CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

PAVING NOTES

- ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, LATEST EDITION, APPLICABLE CITY OF MADISON ORDINANCES AND THE GEOTECHNICAL REPORT PREPARED BY GEOTECH DATED MARCH 25, 2022.
- ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
- SURFACE PREPARATION - NOTIFY ENGINEER/OWNER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
- ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPAL REQUIREMENTS.
- ASPHALTIC CONCRETE PAVING SPECIFICATIONS

- CODES AND STANDARDS FOR THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 455 AND 456, STATE HIGHWAY SPECIFICATIONS, STATE HIGHWAY STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION, HEREINAFTER, THIS PUBLICATION WILL BE REFERRED AS STATE HIGHWAY SPECIFICATIONS.

- WEATHER LIMITATIONS - APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO PAVING. ALLOW 24 HOURS FOR TACK COATS TO SET. DO NOT PAVE ON SOILS WHICH ARE CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (-1° C).

- GRADE CONTROL - ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.

- CRUSHED AGGREGATE BASE COURSE - THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 303, STATE HIGHWAY SPECIFICATIONS.

- BINDER COURSE AGGREGATE - THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460 AND 315, STATE HIGHWAY SPECIFICATIONS.

- ASPHALTIC MATERIALS - THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.

- CONCRETE PAVING SPECIFICATIONS

- CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE HIGHWAY SPECIFICATIONS.

- CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY EXISTS.

- CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, SEWER, WATER, GULVES, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS AFFECTED BY THE CONSTRUCTION.

- CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.

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- CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMP

JOHN NOLEN DRIVE

WID.O.T - WISCONSIN & SOUTHERN RAILROAD

PROJECT:
139 WEST WILSON ST
REDEVELOPMENTPROJECT LOCATION:
139 WEST WILSON ST
MADISON, WI 53703

131 W WILSON ST

WEST WILSON STREET

EXISTING BUILDING TO BE
REMOVED

179 W WILSON ST

CONTRACTOR TO VERIFY SANITARY AND WATER SERVICE SIZES AND LOCATION. IF INSUFFICIENT SIZE OR LOCATION, EXISTING SERVICE TO BE ABANDONED PER CITY REQUIREMENTS

PLAN MODIFICATIONS:	
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Designed By: **MAS**
Reviewed By: **KJY**
Approved By:

DEMOLITION PLAN

SCALE IN FEET
10' 0' 10'

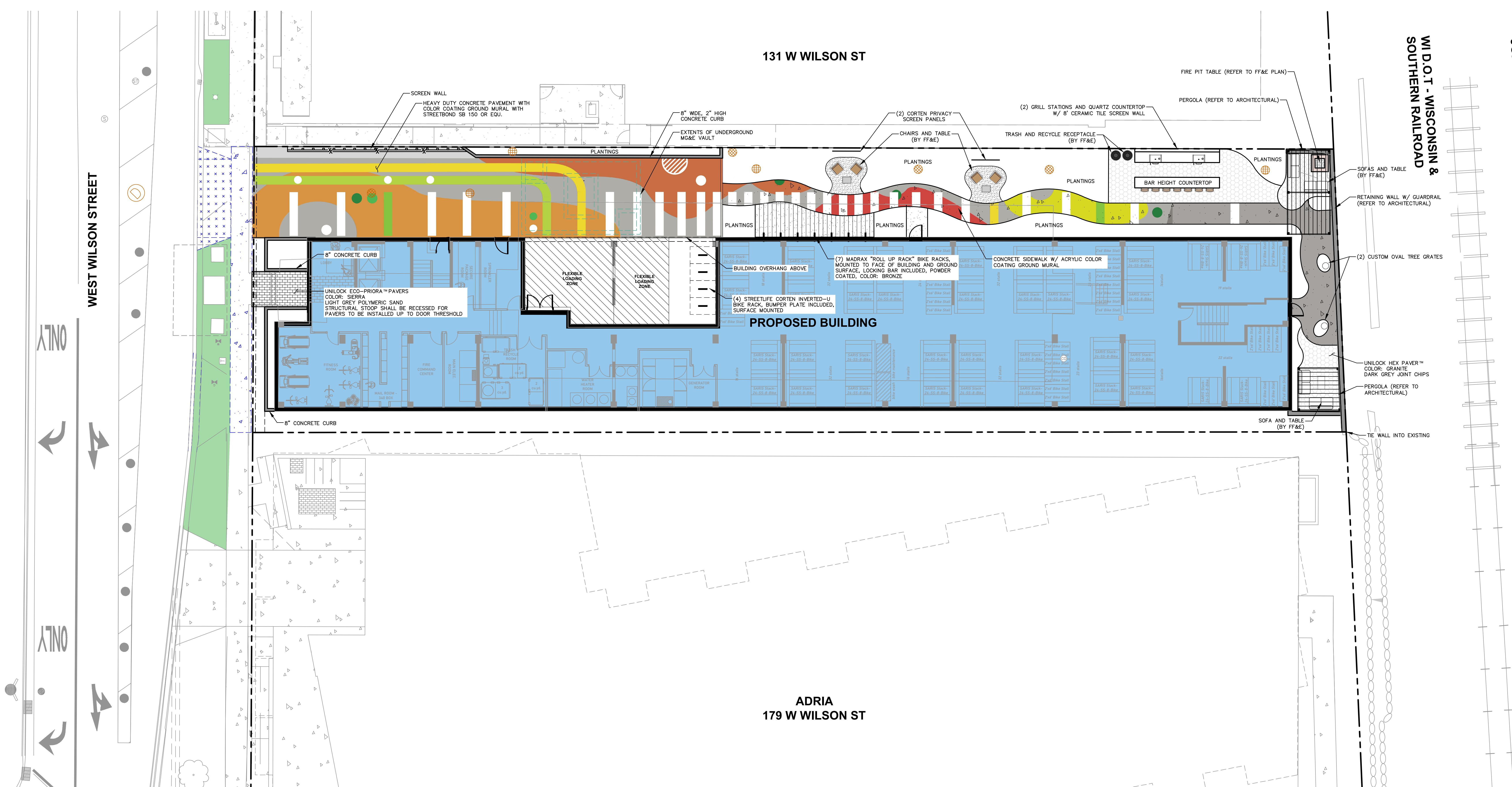
DIGGERS HOTLINE
Toll Free (800) 242-8511

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W.D.O.T. - WISCONSIN &
SOUTHERN RAILROAD

JOHN NOLLEN DRIVE

PROJECT:
139 WEST WILSON ST
REDEVELOPMENTPROJECT LOCATION:
139 WEST WILSON ST
MADISON, WI 53703

PLAN MODIFICATIONS:	
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Designed By: **MAS**
Reviewed By: **KJY**
Approved By:

SHEET TITLE:
**SITE PLAN -
ANNOTATED**

THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.

SHEET NUMBER:
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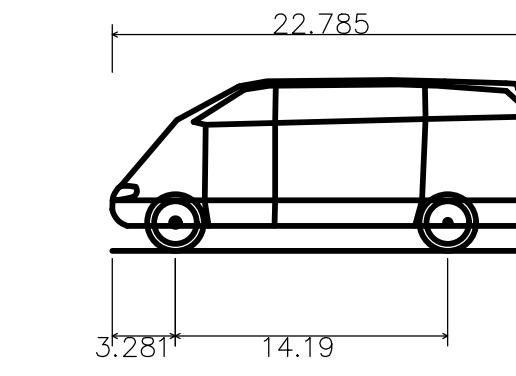
DIGGERS HOTLINE
Toll Free (800) 242-8511

JSD PROJECT NO: 22-11487

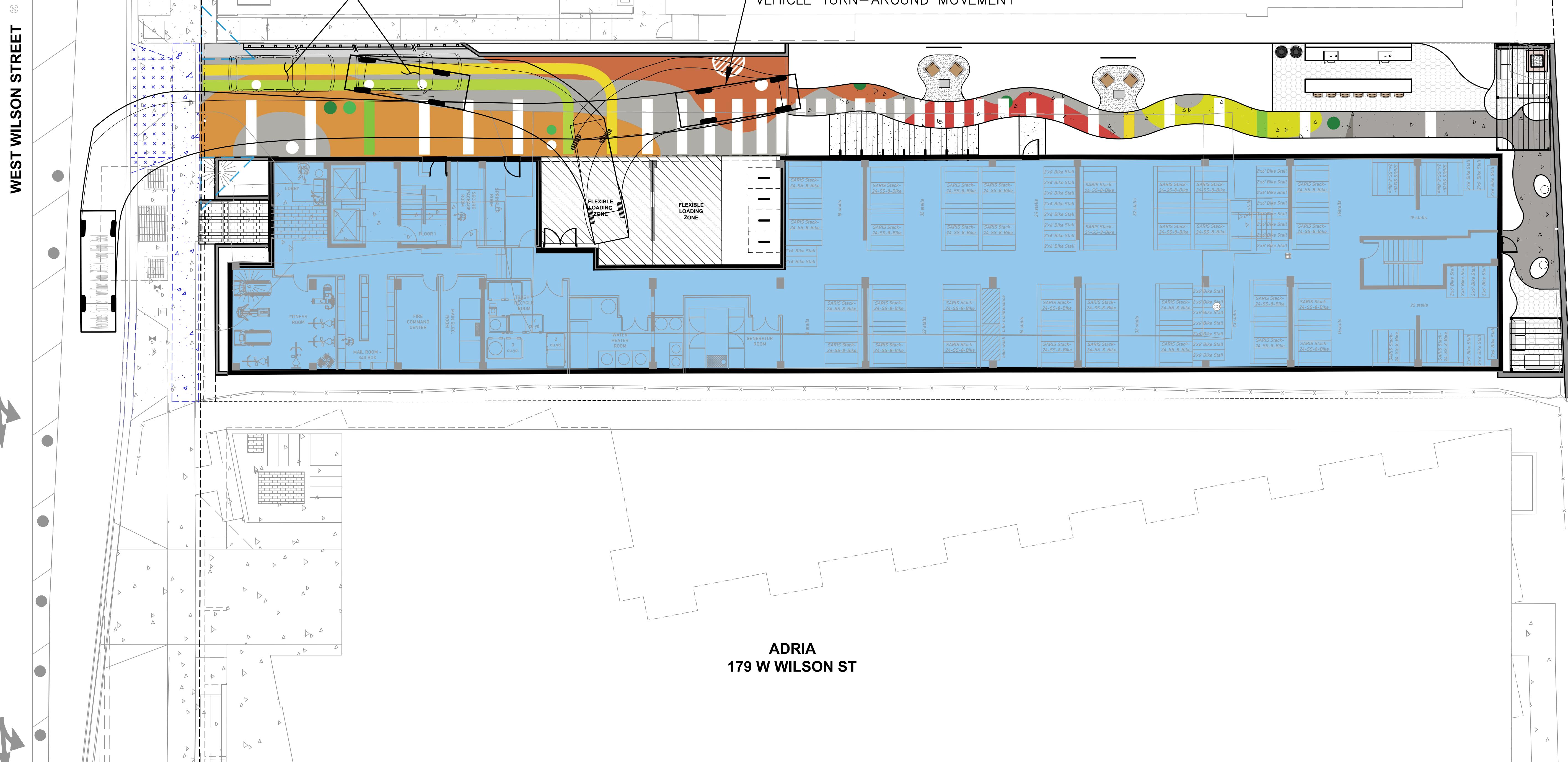
JOHN NOLEN DRIVE
WI D.O.T. - WISCONSIN &
SOUTHERN RAILROAD

22-11487

131 W WILSON ST



Mercedes Sprinter Traveliner Van 315CDI Long High Roof
Overall Length 22.785ft
Overall Width 6.539ft
Overall Body Height 6.909ft
Min Body Ground Clearance 1.312ft
Track Width 6.539ft
Lock-to-lock time 5.00s
Wall to Wall Turning Radius 25.591ft



JOHN NOLEN DRIVE

WI D.O.T. - WISCONSIN & SOUTHERN RAILROAD

PROJECT:
139 WEST WILSON ST
REDEVELOPMENTPROJECT LOCATION:
139 WEST WILSON ST
MADISON, WI 53703

PLAN MODIFICATIONS:	
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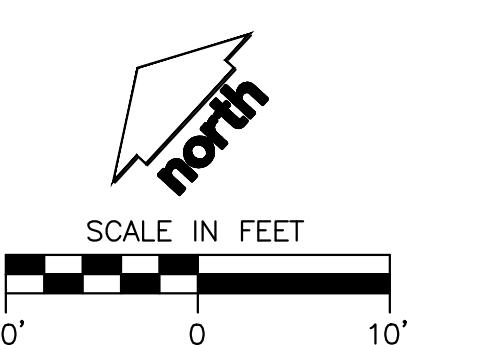
Designed By: MAS
Reviewed By: KJY
Approved By:SHEET TITLE:
SITE PLAN -
DIMENSIONED

SHEET NUMBER:

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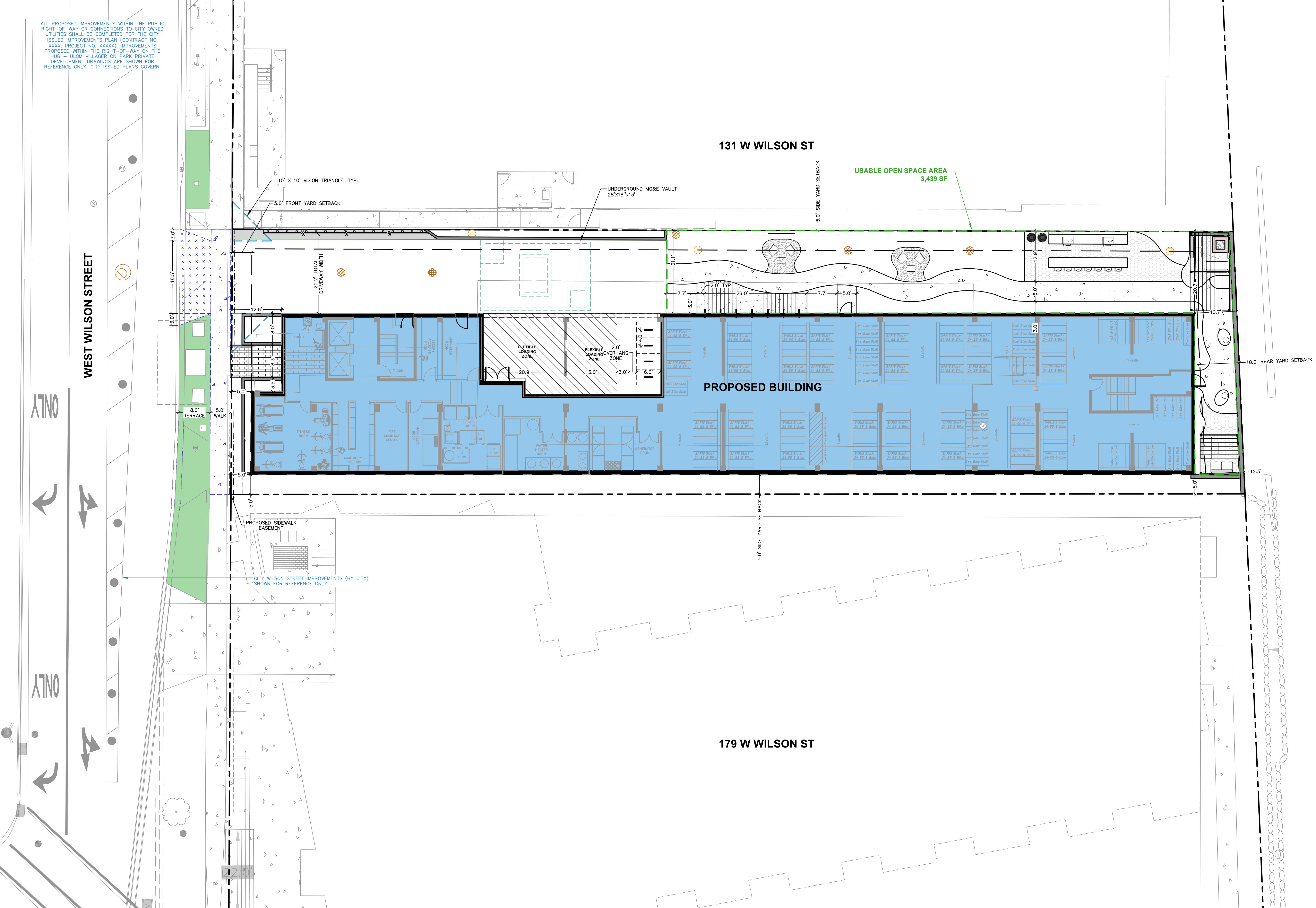
THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.

SITE INFORMATION BLOCK	
SITE ADDRESS	139 WEST WILSON STREET
PROPERTY ACREAGE	0.395 ACRES
NUMBER OF BUILDING STORIES	16
TOTAL BUILDING SQUARE FOOTAGE	9,840
GROSS BUILDING SQUARE FOOTAGE	156,633
NUMBER OF PARKING STALLS	3
NUMBER OF ON-SITE BICYCLE STALLS:	15
EXISTING IMPERVIOUS SURFACE AREA	16,693 SF
EXISTING PERVIOUS SURFACE AREA	500 SF
EXISTING IMPERVIOUS SURFACE AREA RATIO	0.97
PROPOSED IMPERVIOUS SURFACE AREAS	14,036 SF
PROPOSED PERVIOUS SURFACE AREA	3,157 SF
PROPOSED IMPERVIOUS SURFACE AREA RATIO	0.815



Toll Free (800) 242-8511

ALL PROPOSED IMPROVEMENTS WITHIN THE PUBLIC
RIGHT-OF-WAY AND ON THE PROPERTY LINE
UTILITIES SHALL BE COMPLETED PER THE CITY
ISSUED IMPROVEMENTS PLAN (CONTRACT NO.
XXXX, PROJECT NO. XXXXX). IMPROVEMENTS
DEVELOPED ON THE PROPERTY LINE BY THE
HUB ULMG VILLAGE OR PARK PRIVATE
DEVELOPMENT DRAWINGS ARE SHOWN FOR
REFERENCE ONLY. CITY ISSUED PLANS GOVERN.



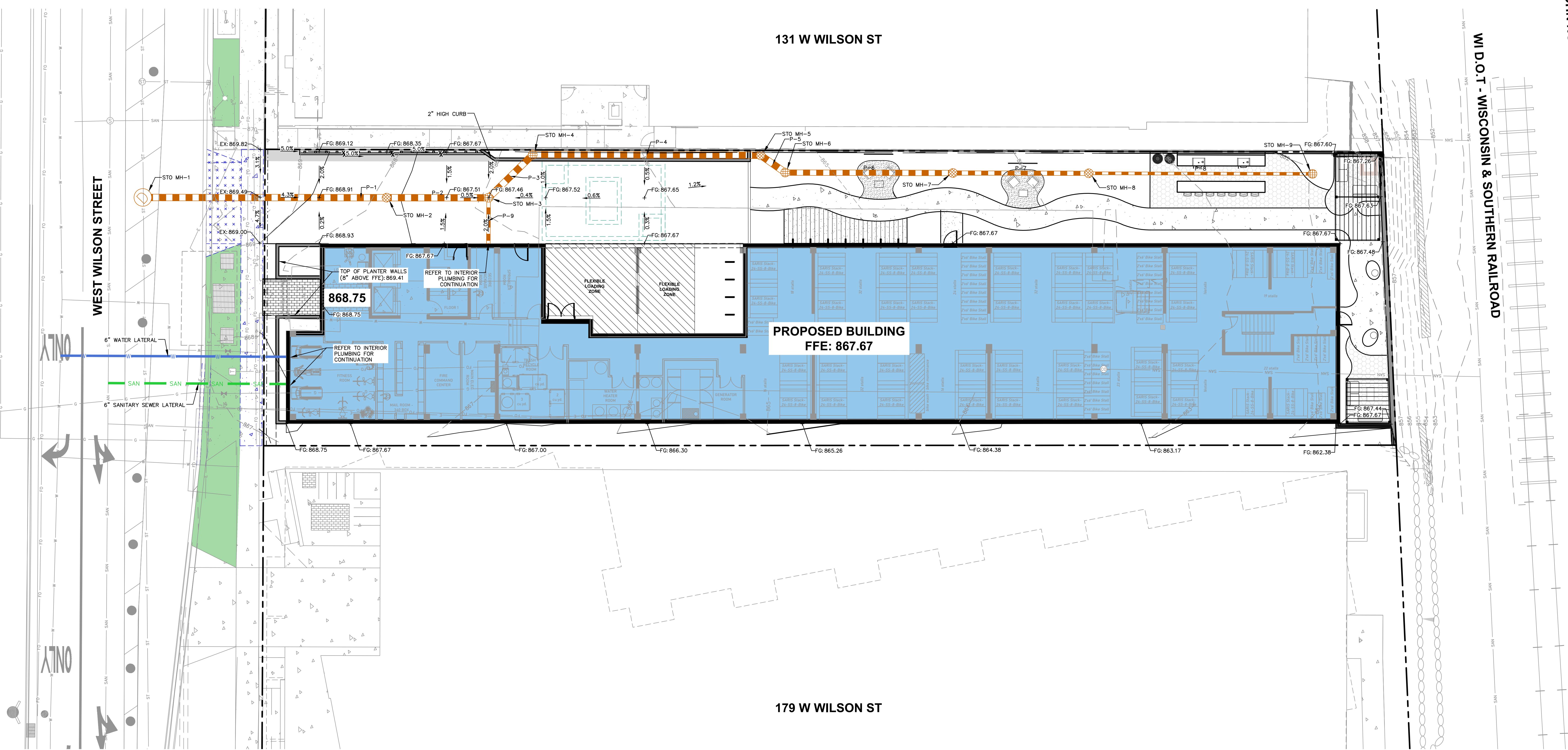
JOHN NOLEN DRIVE

WIDOT - WISCONSIN & SOUTHERN RAILROAD

PROJECT:
139 WEST WILSON ST
REDEVELOPMENTPROJECT LOCATION:
139 WEST WILSON ST
MADISON, WI 53703

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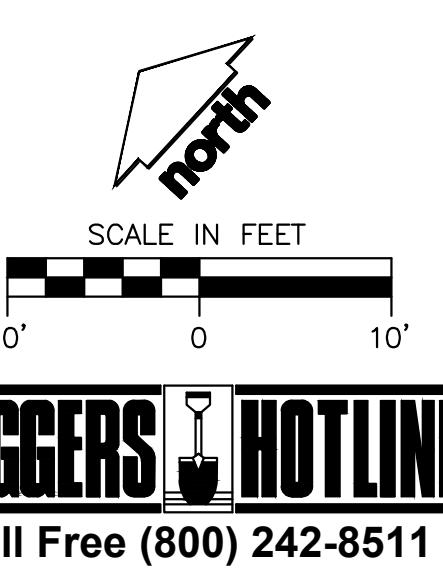
131 W WILSON ST

PROPOSED BUILDING
FFE: 867.67

179 W WILSON ST

PROPOSED STORM SEWER STRUCTURE TABLE					
LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
STO MH-1	869.13	EX SW INV: 862.09 (24") SE INV: 863.36 (18") EX NE INV: 862.09 (24")	7.0	48 IN MH	R-1550 SOLID GRATE
STO MH-2	868.14	NW INV: 863.64 (18") SW INV: 863.78 (18")	4.5	24 IN DB	DOME GRATE
STO MH-3	867.46	E INV: 863.96 (18") NW INV: 863.96 (18") SW INV: 863.56 (10")	3.5	24 IN DB	DOME GRATE
STO MH-4	867.62	SE INV: 864.03 (18") W INV: 864.03 (18")	3.6	24 IN DB	DOME GRATE
STO MH-5	867.46	NW INV: 864.50 (18") S INV: 864.50 (18")	3.0	24 IN DB	DOME GRATE
STO MH-6	867.04	N INV: 864.55 (18") SE INV: 864.55 (18")	2.5	24 IN DB	DOME GRATE
STO MH-7	867.11	NW INV: 864.84 (15") SE INV: 864.84 (12")	2.3	12 IN DB	DOME GRATE
STO MH-8	867.10	NW INV: 865.08 (12") SE INV: 865.08 (8")	2.0	12 IN DB	DOME GRATE
STO MH-9	867.46	NW INV: 865.44 (8")	2.0	12 IN DB	DOME GRATE

PROPOSED STORM SEWER PIPE TABLE						
LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE
P-1	STO MH-2	STO MH-1	55'	863.64	863.36	0.50%
P-2	STO MH-3	STO MH-2	23'	863.96	863.78	0.75%
P-3	STO MH-3	STO MH-4	14'	863.96	864.03	0.54%
P-4	STO MH-5	STO MH-4	52'	864.50	864.03	0.90%
P-5	STO MH-6	STO MH-5	7'	864.55	864.50	0.75%
P-6	STO MH-7	STO MH-6	38'	864.84	864.55	0.76%
P-7	STO MH-8	STO MH-7	31'	865.08	864.84	0.76%
P-8	STO MH-9	STO MH-8	51'	865.44	865.08	0.70%
P-9	ROOF	STO MH-3	10'	865.27	865.06	2.00%

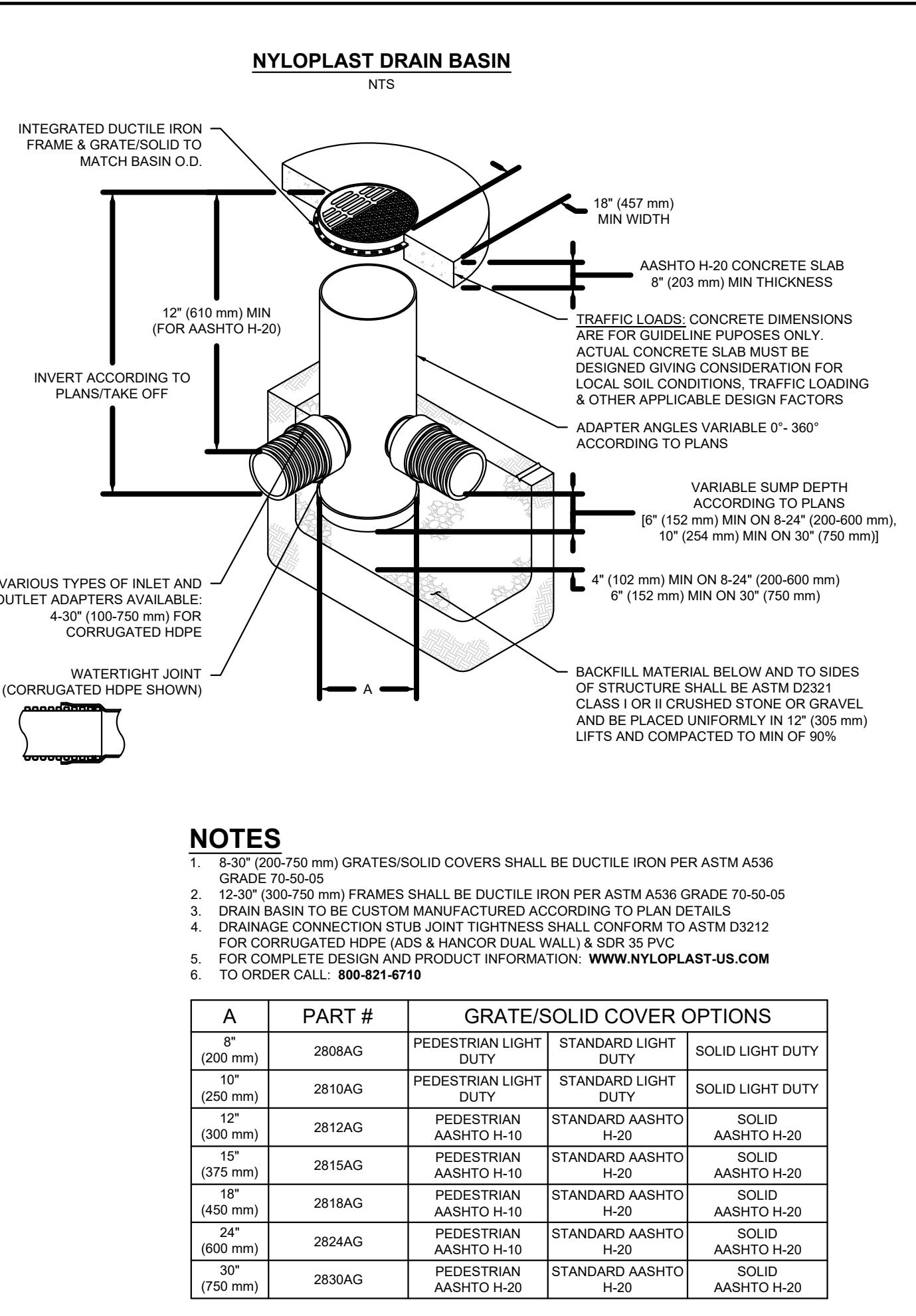
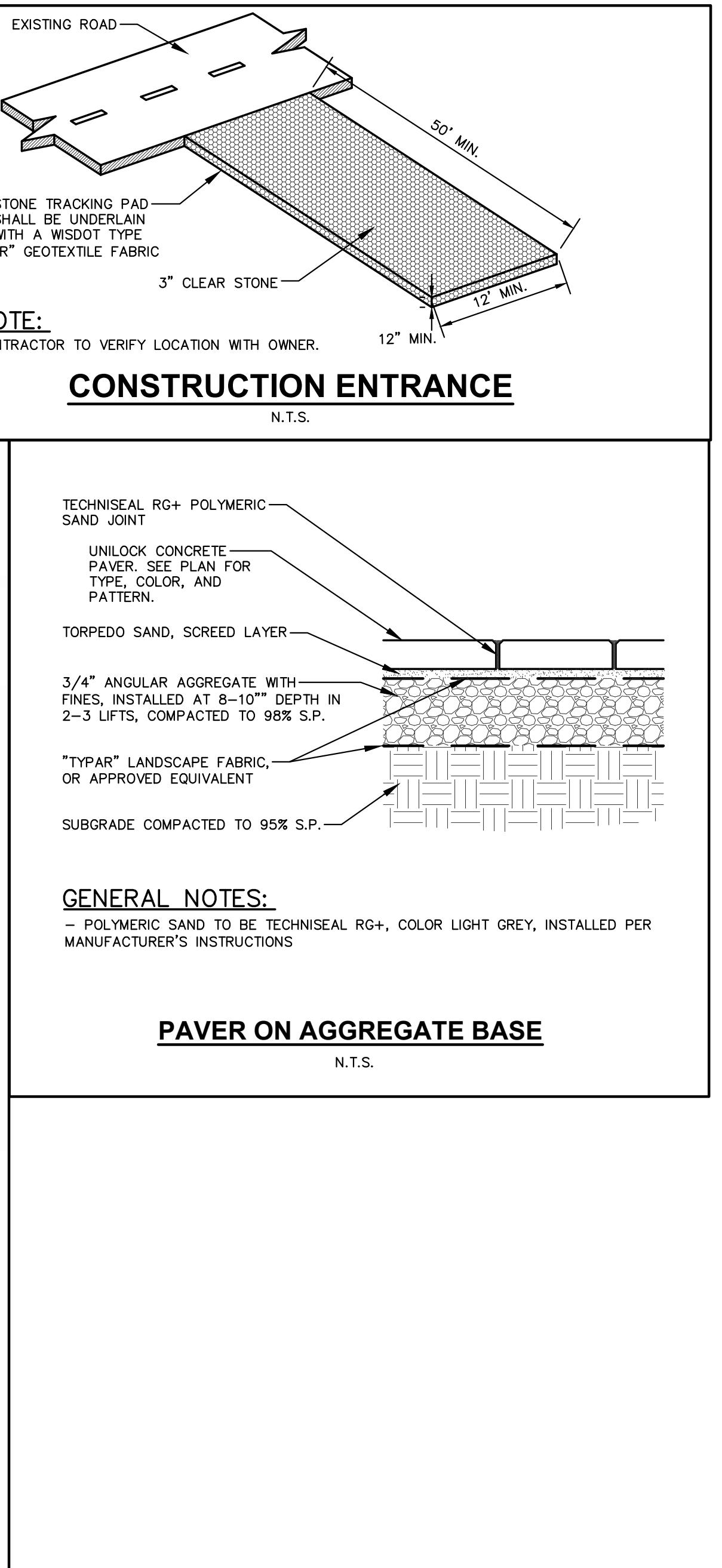
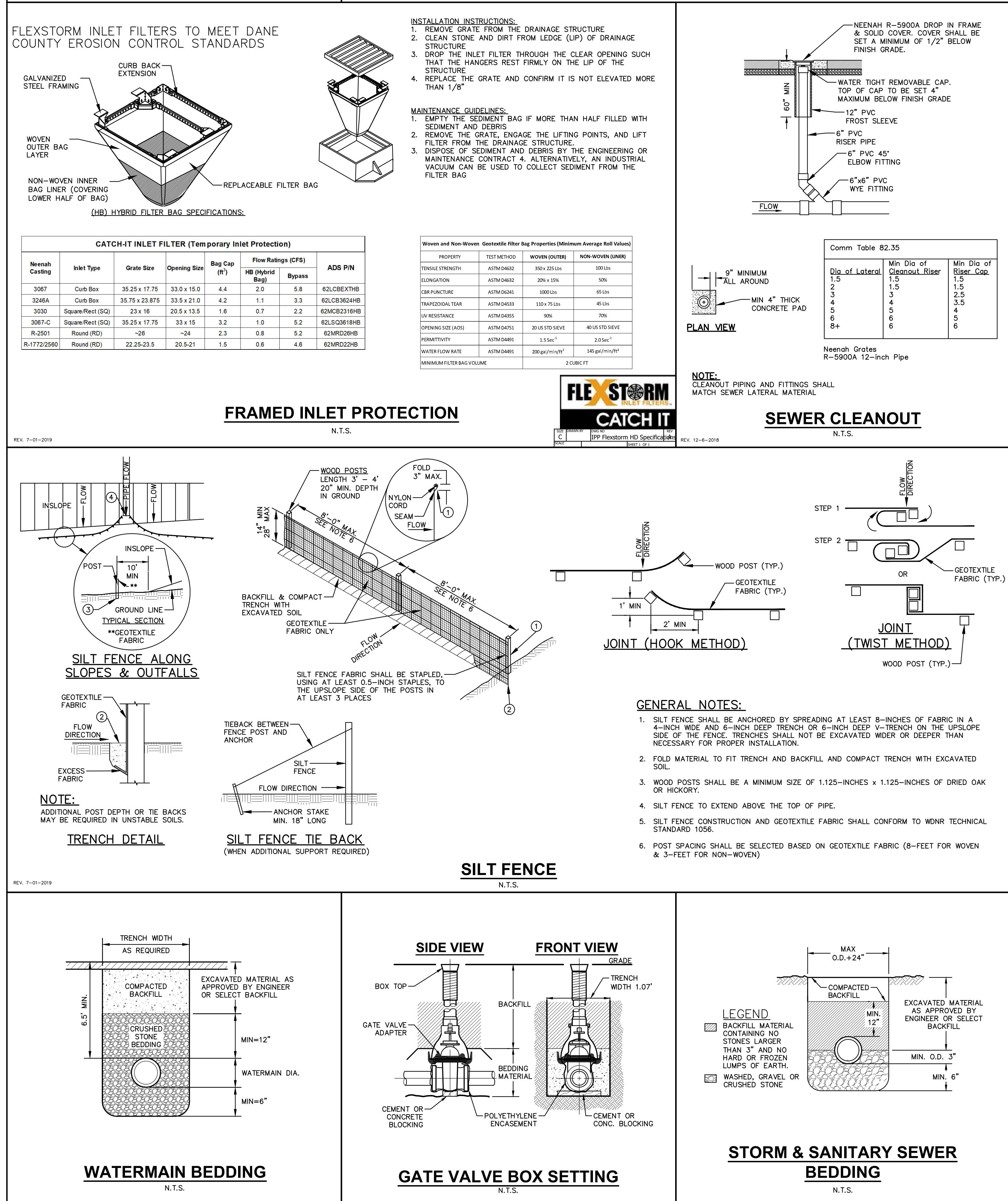
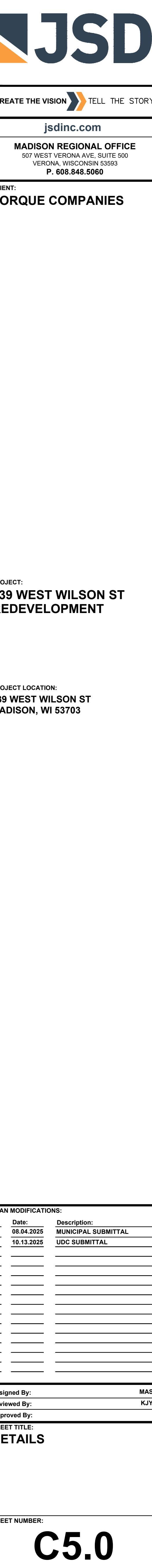
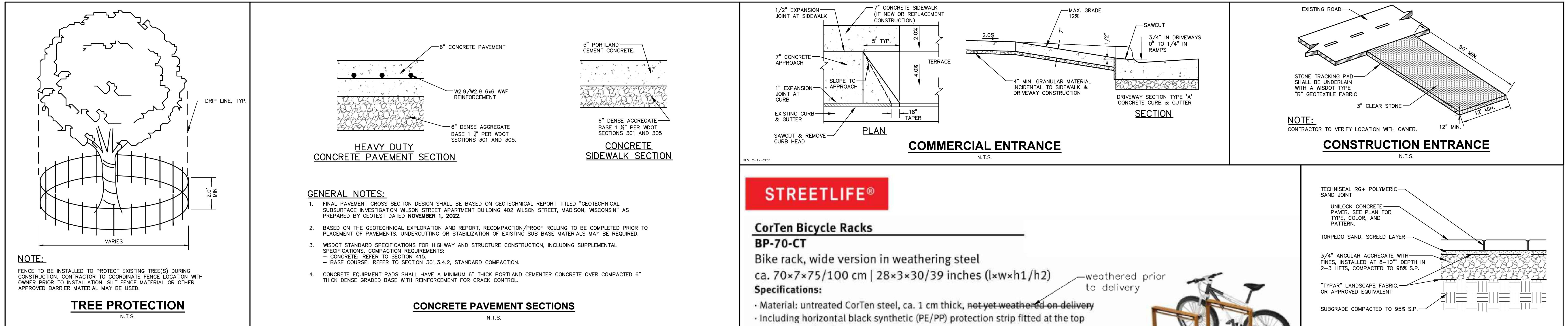
Diggers Hotline
Toll Free (800) 242-8511C4.0
Toll Free (800) 242-8511

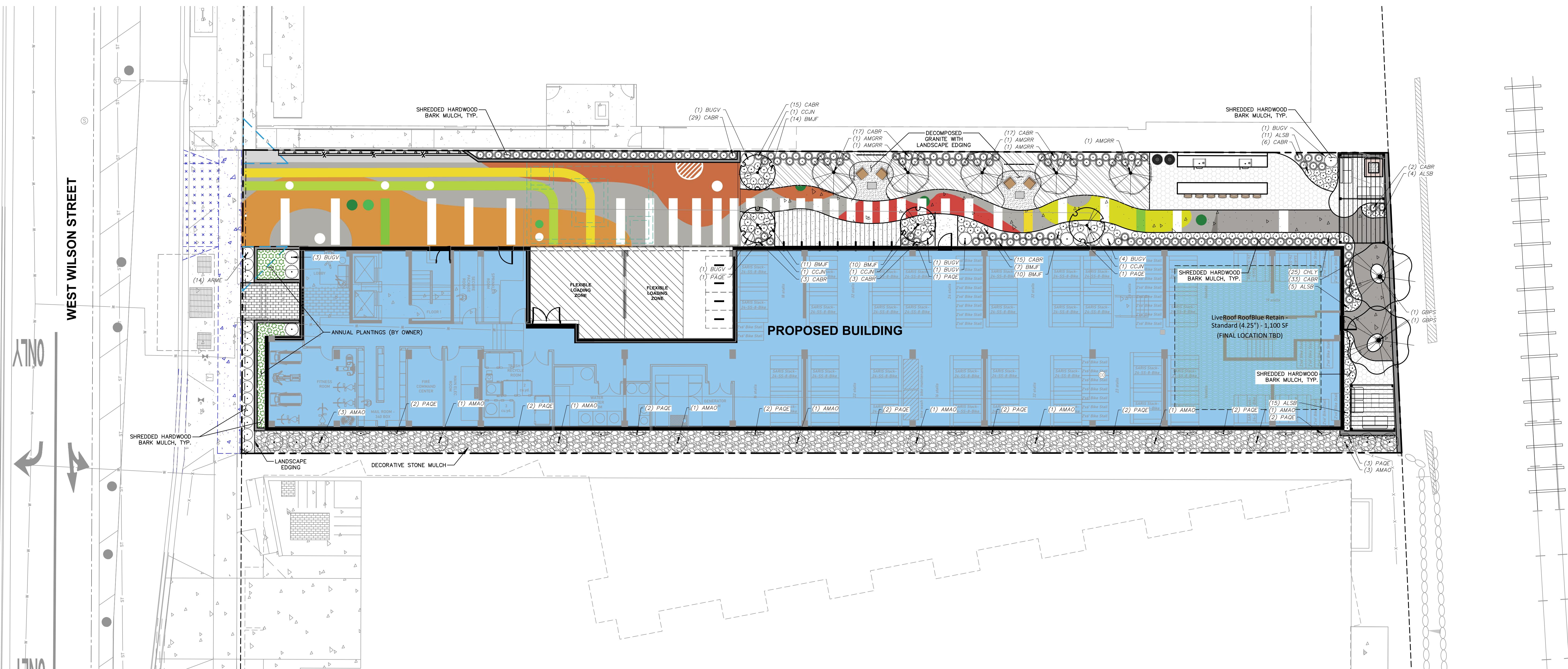
JSD PROJECT NO: 22-11487

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PLAN MODIFICATIONS:	
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1	08.04.2025 MUNICIPAL SUBMITTAL
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Designed By: MAS
Reviewed By: KJY
Approved By:SHEET TITLE:
GRADING, EROSION
CONTROL, AND UTILITY
PLANSHEET NUMBER:
C4.0



PROJECT:
139 WEST WILSON ST
REDEVELOPMENTPROJECT LOCATION:
139 WEST WILSON ST
MADISON, WI 53703

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
DECIDUOUS TREES					
	GBPS	Ginkgo biloba 'Princeton Sentry' Princeton Sentry Maidenhair Tree	B & B	2.5" Cal	2
ORNAMENTAL TREES					
	AMCR	Amelanchier x grandiflora 'Robin Hill' Robin Hill Apple Serviceberry	B & B	6' Ht. (min)	5
	CCJN	Carpinus caroliniana 'J.N. Upright' TM Fireprise American Hornbeam	B & B	2.5" Cal	4
DECIDUOUS SHRUBS					
	BUGV	Buxus x 'Green Velvet' Green Velvet Boxwood	#3	Min. 24"	12
PERENNIALS & GRASSES					
	ALSB	Allium x 'Summer Beauty' Summer Beauty Allium	#1	Min. 8"-18"	35
	BMJF	Brunnera macrophylla 'Jack Frost' TM Jack Frost Siberian Bugloss	#1	Min 8"-18"	52
	CABR	Calamagrostis brachytricha Korean Feather Reed Grass	#1	Min 8"-18"	140
	CHLY	Chelone lyonii 'Armitip02' TM Tiny Tortuga Pink Turtlehead	#1	Min 8"-18"	25
	PAQE	Parthenocissus quinquefolia Engelmann Virginia Creeper	#1	Min. 24"-36"	24
GROUND COVERS					
	CAPE	Corex pensylvanica Pennsylvania Sedge	4" plug	8" o.c.	1,307

LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	BUILDING OUTLINE
	BUILDING OVERHANG
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	ANNUAL PLANTINGS BY OWNER
	DECORATIVE STONE MULCH
	DECOMPOSED GRANITE
	GREEN ROOF
	RETAINING WALL
	TREE UPLIGHTING
	BIKE RACK
	ALUMINUM EDGING

GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
- ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
- THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR.
- REFER TO "LANDSCAPE DETAILS AND NOTES" SHEET FOR ADDITIONAL DETAILS, NOTES AND SPECIFICATION INFORMATION INCLUDING MATERIALS, GUARANTEE AND EXECUTION RELATED TO LANDSCAPE PLAN.
- CONTRACTOR SHALL REVIEW SITE CONDITIONS FOR UTILITY CONFLICTS, DRAINAGE ISSUES, SUBSURFACE ROCK, AND PLANT PLACEMENT CONFLICTS PRIOR TO PLANT INSTALLATION. REPORT ANY CONDITIONS THAT MAY HAVE ADVERSE IMPACT ON PLANTING OPERATIONS TO LANDSCAPE ARCHITECT.
- DO NOT COMMENCE PLANTING OPERATIONS UNTIL ALL ADJACENT SITE IMPROVEMENTS, IRRIGATION INSTALLATION (IF APPLICABLE), AND FINISH GRADING ARE COMPLETE

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GLOBE LIGHTS



OBLONG TREE GRATES



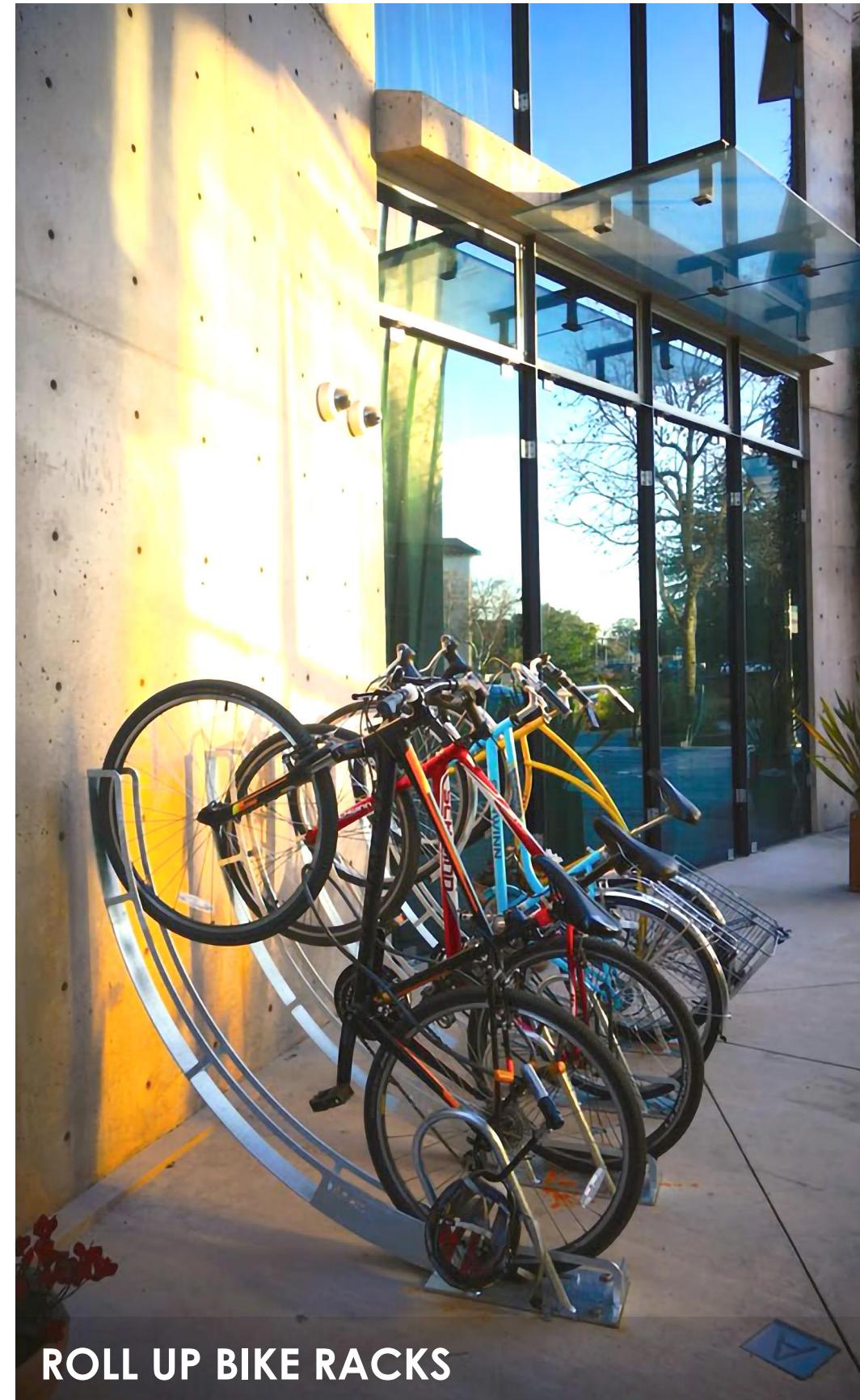
PERGOLA WITH SCREEN WALL



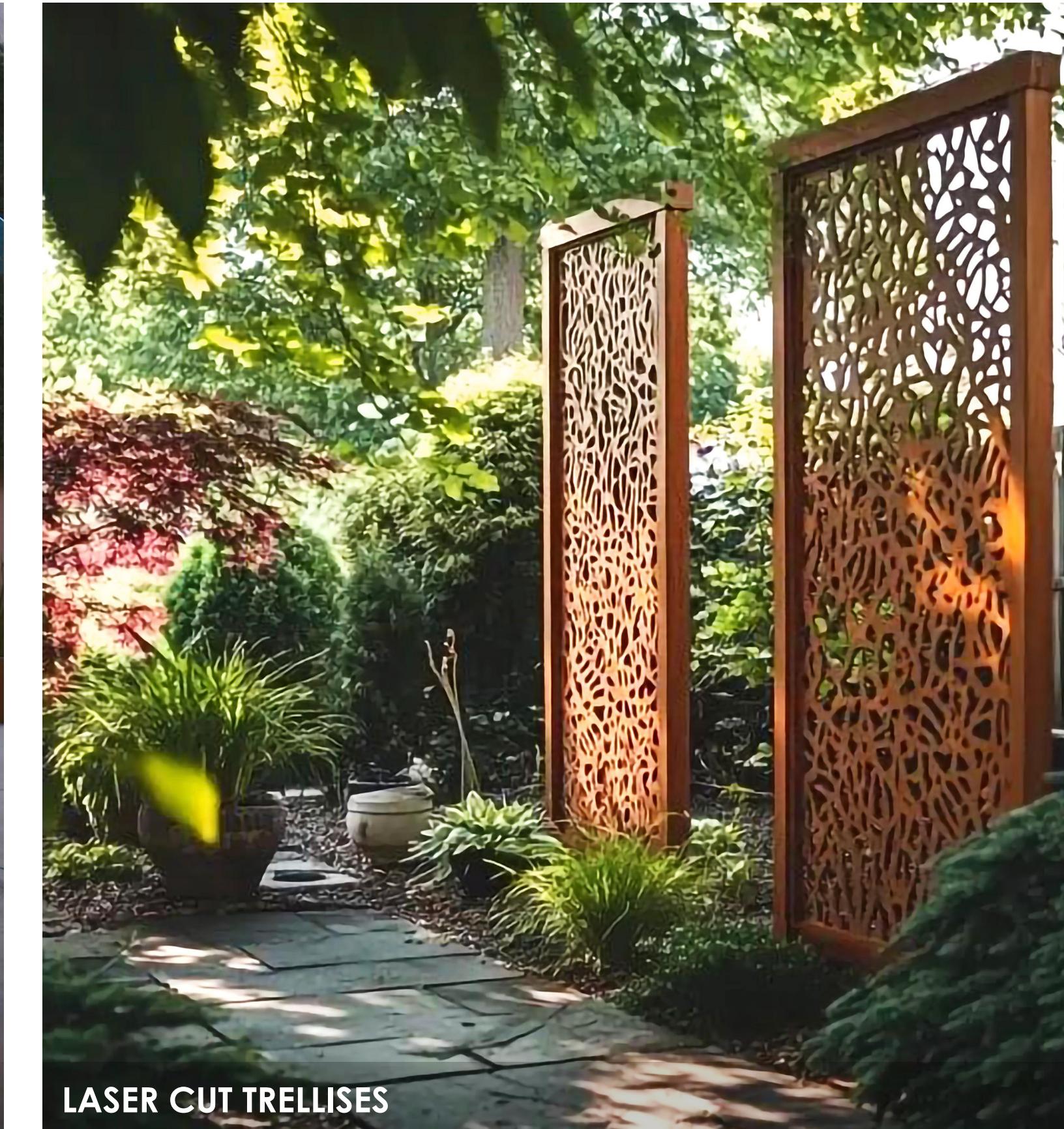
GRILL STATIONS, CERAMIC TILE WALL, & BAR-HEIGHT DINING



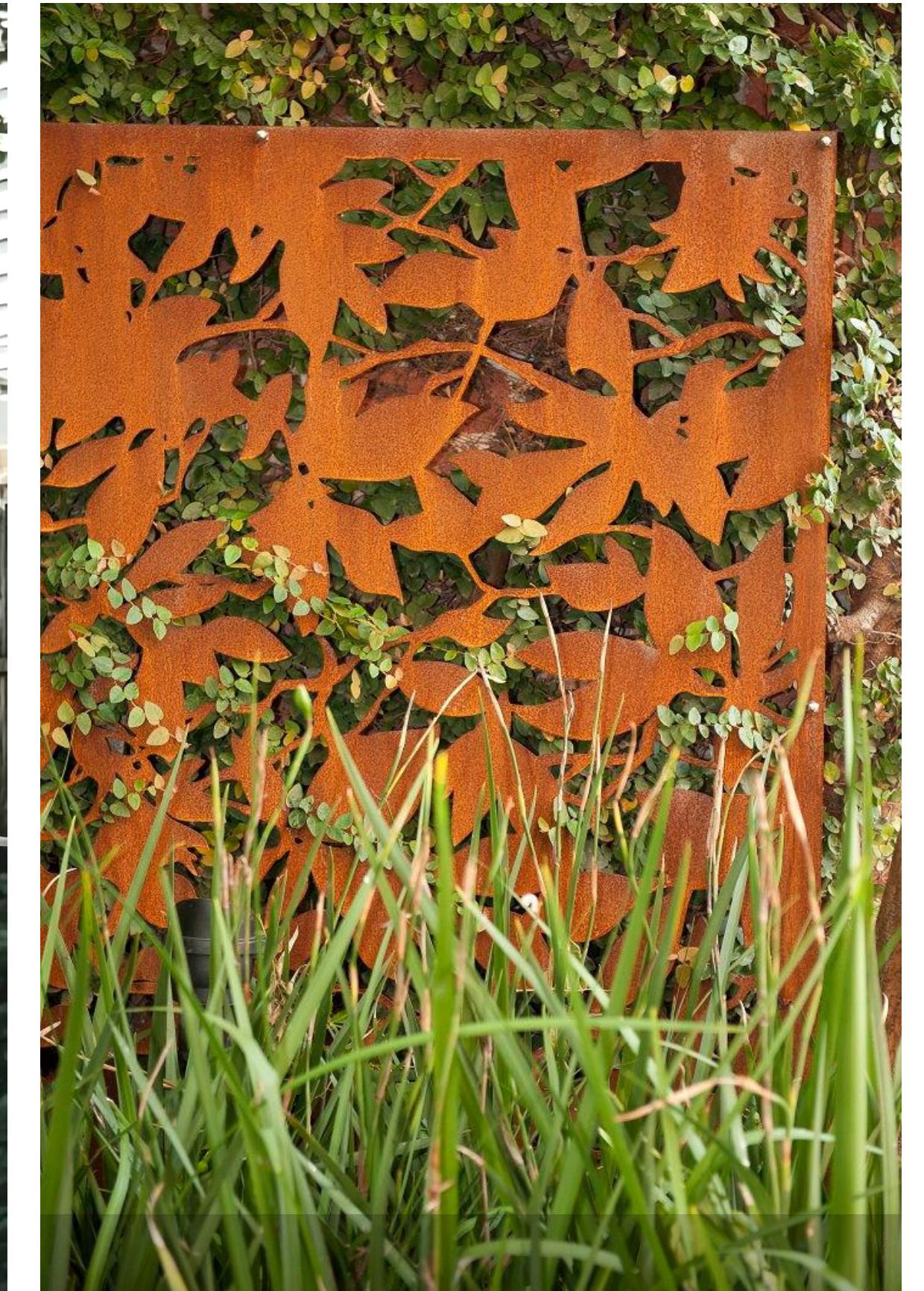
SURFACE MOUNTED BIKE RACKS



ROLL UP BIKE RACKS



LASER CUT TRELLISES



22-11487

NOTES:

- Customers are responsible for confirming mounting heights, fixture suspension types/ lengths, color temperature, CRI, linear fixture lengths, pole lengths, and bollard heights/ lengths prior to ordering.
- Mounting height (MH) is measured from the bottom of the fixture to the floor.
- This Lighting layout assumes the following unless values are specified and must be confirmed by the customer prior to ordering.
 - Room reflectance of 80, 50, 20 for standard ceilings and 50, 50, 20 for exposed ceilings
 - Wall sconces are mounted at 7' for calculation purposes. Customer must confirm desired mounting height before rough in.



COMMENTS

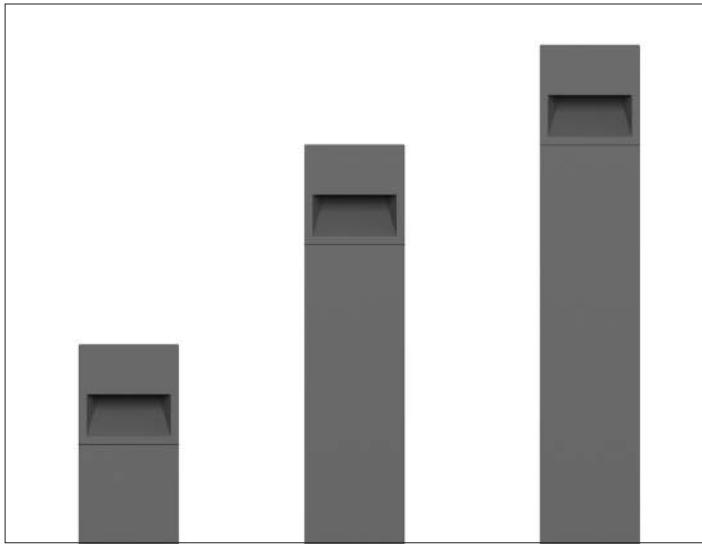
REVISIONS

DRAWN BY: BB
DATE : SEPT 4 2025
SCALE : 3/32" = 1'-0"

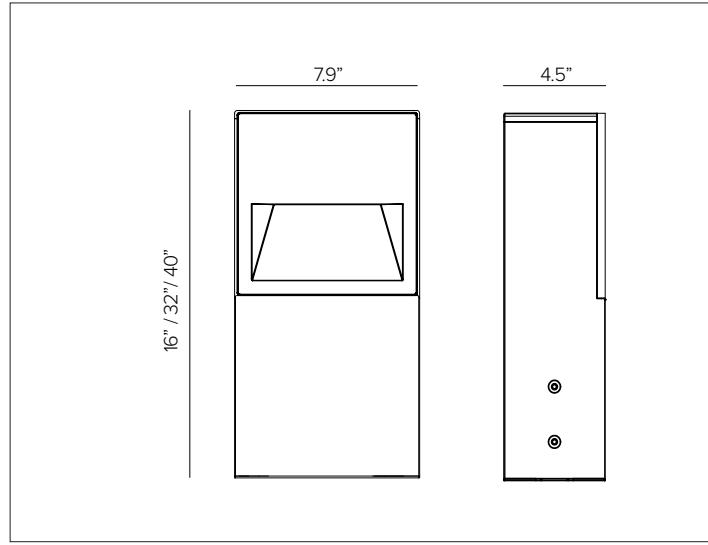
139 WEST WILSON

ZEDGE PRO BOLLARD

Small Scale Professional LED Bollard



Shown in Ferrite Dark Grey finish.



CONCEPT

Professional high-performance LED bollard for use in indoor and outdoor applications. *Designed in collaboration with Gensler as Product Design Consultant.*

MECHANICAL CHARACTERISTICS

Housing	7.9"W x 4.5"D
Materials	Powder coated die-cast anodized aluminum fixture body and external frame. Independently sealed optical head and heat sink with anodized powder coated extruded aluminum post. Aesthetically coordinated with no visible hardware between fixture and post. Clean fit seams between fixture and bollard body.
Finish	Textured finish. ● Ferrite Dark Grey ● Heritage Brown ● Bronze ● Black ● White ● Sandstone Grey
Functionality	AD version, gimbal optical system is mechanically adjustable between deep to wide distributions.
Power Connection	Pre-cabled 4ft SJOOW 18-5 cable with purple and pink wires for 0-10V control and toolless IP68 quick disconnect.
Mounting	Available with three different post heights - 16in, 32in, 40in. 316L grade stainless steel base and stainless steel anti-theft screws. Optional integral 90 minute emergency battery back at 8W output (14W 57% / 19W 42% / 27W 30%); ambient temperature not to drop below 0°C or exceed 50°C. Battery meets CEC Title 20 efficiency standards. Optional integral smart PIR motion sensor factory preset to 100% ON fade to 10% output after 30 minutes if no motion is detected, contact factory for custom settings.
Weight	3lbs
BUG	B0-U0-G0 Dark Sky Compliant
Protection	IP66
Impact	IK10

CERTIFICATIONS

cULus Wet Location Listed.
 Tested in accordance with LM-79-08.
 Compliant for California installations.
 RoHS3 EU 215/863

WARRANTY

5 year limited warranty

ELECTRICAL CHARACTERISTICS

Power Supply	Integral 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase) to 1% dim range.
Wattage	16W
Voltage	Universal Voltage 120-277V AC 50/60Hz
Ambient Temp.	-25°C / +35°C (95°F)

SOURCE

Two high efficiency LED Chip on Board.

TM30	CCT (Nominal)	CRI	R _f	R _g	SDCM
	2700K	90	92	99	2
	3000K	90	92	101	2
	3500K	90	91	100	2
	4000K	90	90	98	2

OPTIC

The internal optical system is composed of two metalized polycarbonate reflectors coupled to two high reflective anodized aluminum reflectors with holographic filters. Regressed silk-screen extra clear glass lens. Available in three different versions: DP – fixed deep beam, WD – fixed wide beam, AD – adjustable between DEEP to WIDE distributions.

Beam	DEEP 44° x 53°	WIDE 32° x 105°
Delivered Lumens	2700K 573Lm	384Lm
	3000K 610Lm	409Lm
	3500K 635Lm	416Lm
	4000K 660Lm	443Lm

Efficacy 42Lm/W max. Refer to photometric graphs for specific values.

Lifetime L95/B10 30,000hrs at max TA +25°C
L94/B10 50,000hrs at max TA +25°C

Photobiological Classification Low risk photobiological safety RG1

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

ZEDGE PRO BOLLARD

SPECIFICATION INFORMATION

ZPB									
1	2	3	4	5	6	7	8	9	10
Ex ZPB4116DPL430FE / 1US34501 / 1US2530									
1 - PRODUCT CODE	2 - DRIVER	3 - HEIGHT	4 - DISTRIBUTION	5 - WATTAGE	6 - KELVIN	7 - FINISH			
ZPB — ZEDGE PRO BOLLARD	41 — 4/1 Smart Dimming (Non-Dimming / 0-10V / Reverse Phase / Forward Phase)	16 — 16"	DP — Deep	L4 — 16W	27 — 2700K	FE — Ferrite Dark Grey			
		32 — 32"	WD — Wide		30 — 3000K	HB — Heritage Brown			
		40 — 40"	AD — Adjustable		35 — 3500K	BZ — Bronze			
					40 — 4000K	WT — White			
						BT — Black			
						SG — Sandstone Grey			
						RAL — Custom RAL			
8 - OPTIONAL		9 - MOUNTING		10 - INSTALLATION					
— — Blank no option		Ground Anchor Base See section for details		J-Box with sleeve See section for details					
EM^B — Emergency Battery Pack		Plate for Surface Installation See section for details							
MS^B — Motion Sensor									
MG^A — Marine Grade									

^BNot compatible with 16in version.

^AMarine Grade is recommended for use in environments with occasional exposure to salt air, reclaimed water, fertilizers, chemical cleaners, or frequent pressure washing (steam) cleaning. Fixture housing complete with marine grade cataphoresis suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

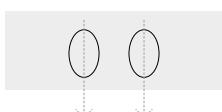
OPTIC VERSIONS

ZEDGE PRO has a unique optical system composed of two independent beams that can be configured in different ways to create multiple effects. A DEEP version for deep lighting, a WIDE version for greater uniformity of the light in a longitudinal direction and an ADJUSTABLE version where the optical system is positioned on a special bezel that makes it possible to achieve the two most extreme configurations Deep and Wide, as well as all the points in between depending on different needs. A true pathway luminaire!



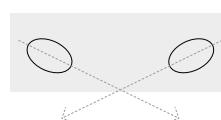
(DP) DEEP

For deep lighting of horizontal surfaces where the priority is to light open spaces or wide pathways.



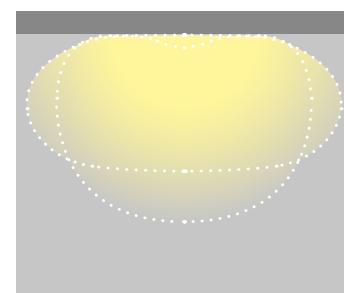
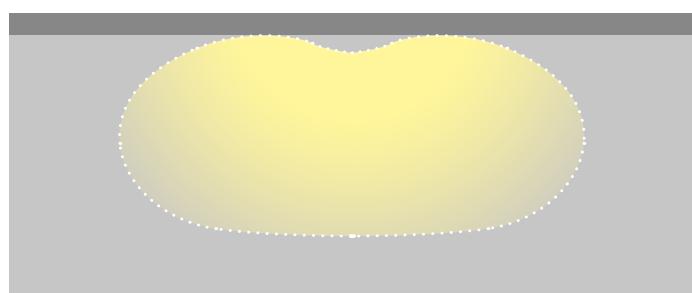
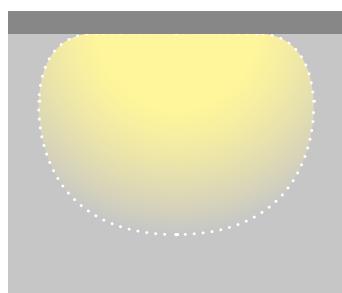
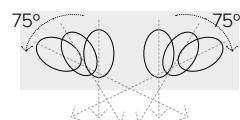
(WD) WIDE

For lighting where luminance uniformity is essential, long walkways with wide spacing between fixtures.



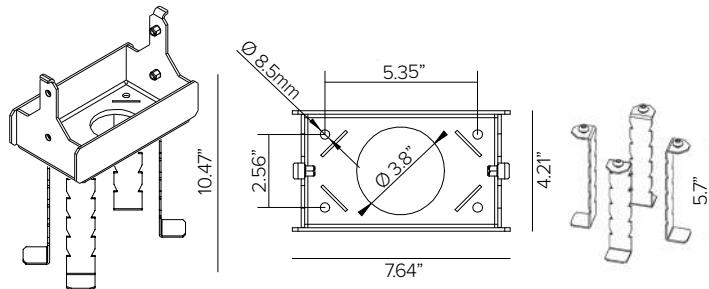
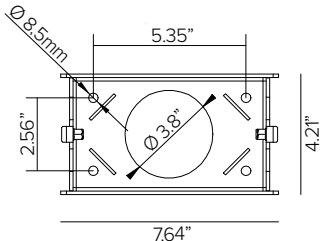
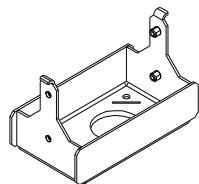
(AD) ADJUSTABLE

Why be limited to just one optic? The adjustable optic fluidly adjusts between DEEP to a WIDE to precisely achieve the desired illumination effect.



ZEDGE PRO BOLLARD

2 – MOUNTING (REQUIRED)



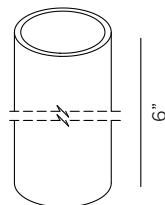
Trimless mounting base with ground anchor fixing rods for installation in concrete. AISI 316 stainless steel. Mounting bolts Ø 8.5mm (1/4") included, 4pcs. **Required for use with 1US2530 by NEC.**

Part No. **1US34501**

Trimless mounting base with ground anchor fixing rods for installation in concrete. AISI 316 stainless steel. Mounting bolts Ø 8.5mm (1/4") included, 4pcs. **Required for use with 1US2530 by NEC.**

Part No. **1US34502**

INSTALLATION (REQUIRED)



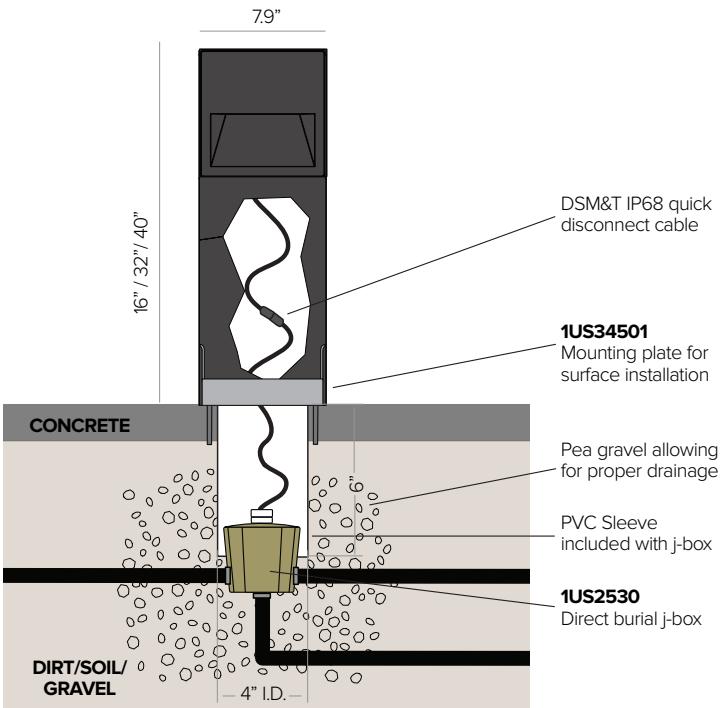
Direct burial brass ingrade j-box with PVC sleeve. Features stainless steel cover screws and strain relief for power cord, (2) 3/4" NPT bottom holes and (2) 3/4" NPT side holes. Includes (4) 3/4" to 1/2" adapters and (2) 1/2" NPT plugs. **(REQUIRED by NEC).**

Part No. **1US2530**

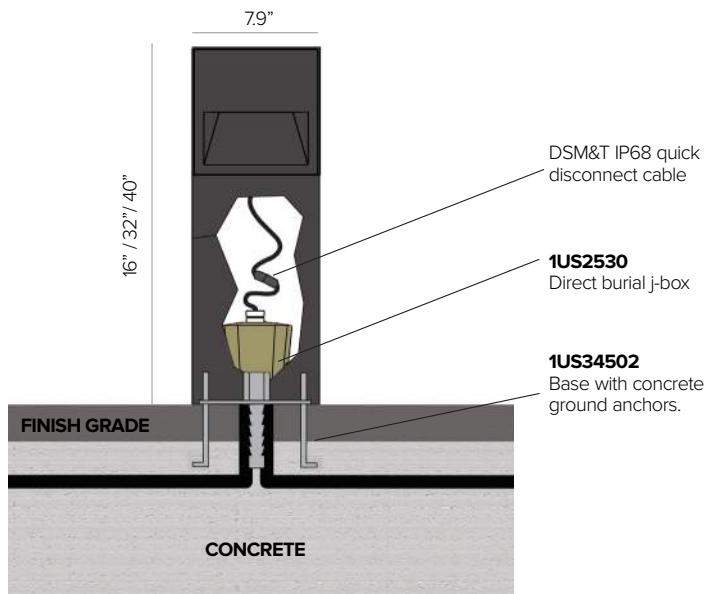
ZEDGE PRO BOLLARD

INSTALLATION DIAGRAM

1US34501 – SURFACE INSTALLATION

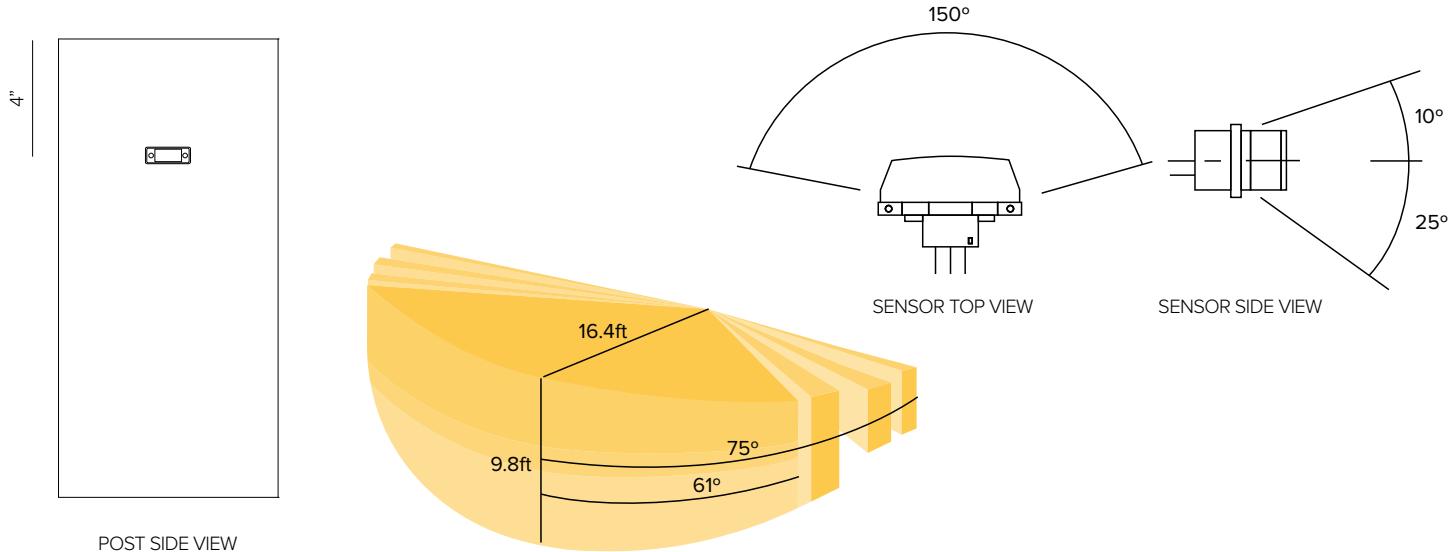


1US34502 – CONCRETE POUR INSTALLATION



NOTE: Install according to local and NEC building codes. UL listed j-box supplied by others.

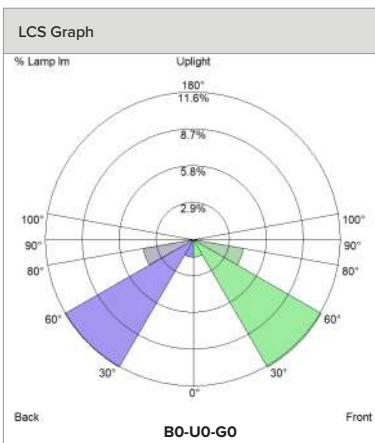
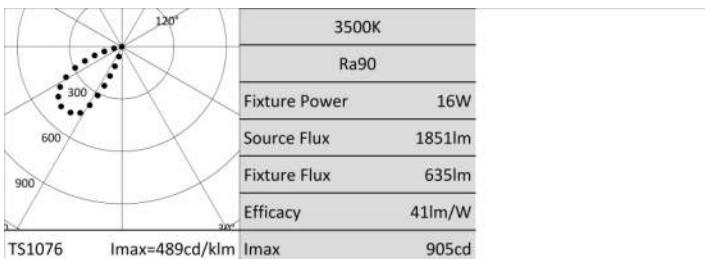
MOTION SENSOR DETAILS



ZEDGE PRO BOLLARD

PHOTOMETRY

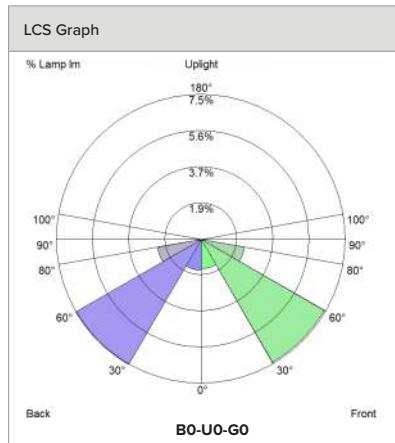
DEEP

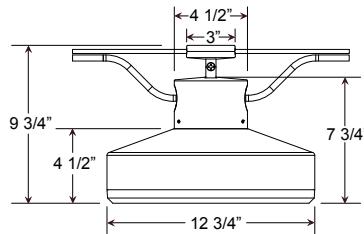


ZEDGE PRO BOLLARD

PHOTOMETRY

WIDE





Project Name: _____

Fixture Type: _____ Quantity: _____

Customer: _____



Specifications

Material:

All parts are durable 356 cast aluminum and heavy duty spun aluminum. All hardware provided shall be stainless steel or zinc plated steel.

Lens:

Light Guide LED Panels feature a high transparency, dot matrix PMMA light guide with an optical efficiency up to 76%.

Fixture Mounting:

Catenary hub accepts 1/4" diameter structural cable. Cable is not included and their connections to structures are to be designed by a qualified structural engineer. Tilt adjustment to 30° and is lockable.

Drivers:

Universal voltage 120-277 is standard. 0-10v dimming is standard.

See page 2 for LED engine and driver specifications.

EQ101

LED

Weight: 15 lbs

EPA: 0.41

Catalog Logic

EQ101 4 E039LDS T5 40K - PC - 72
 Luminaire Series Catenary Mount Light Source & Wattage Optics CCT Accessories Finish

Catalog Number

1

2

3

4

5

6

EQ101

4

1 FIXTURE ORIENTATION

4 Catenary Mount

2 LIGHT SOURCE & WATTAGES

E030LDS (30w Small Light Guide LED)

E039LDS (39w Small Light Guide LED)

E046LDS (46w Small Light Guide LED)

3 OPTICS

T2 (Type II)

T3 (Type III)

T4 (Type IV)

T5 (Type V)

4 COLOR TEMPERATURE (CCT)

27K (2700K)

30K (3000K)

35K (3500K)

40K (4000K)

5 ACCESSORIES

HLMSPC-FM (Integral high-low motion sensor plus photocell)
 See page 2 for specifications

PC (Button Photo Cell)

6 FINISHES

*Premium and Marine Grade Finish have additional charges

Standard Colors	Standard Grade	Marine Grade*	Standard Colors	Standard Grade	Marine Grade*
Aspen Green	10	10M	Architectural Bronze	51	51M
Cantaloupe	11	11M	Patina Verde	52	52M
Lilac	12	12M	Copper Clay	53	53M
Putty	13	13M	Silver	56	56M
Raw Unfinished	40	NA	Black Verde	61	61M
Black	41	41M	Painted Chrome	70	70M
Forest Green	42	42M	Painted Copper	71	71M
Bright Red	43	43M	Textured Black	72	72M
White	44	44M	Matte Black	73	73M
Bright Blue	45	45M	Textured Architectural Bronze	76	76M
Sunny Yellow	46	46M	Textured White	77	77M
Aqua Green	47	47M	Textured Silver	78	78M
Galvanized	49	NA		Premium Grade*	Marine Grade*
Navy	50	50M	Carbon Graphite	96	96M

Consult Factory for additional paint charges and availability.

Project Name: _____

Fixture Type: _____ Quantity: _____

Customer: _____

LED PERFORMANCE

LIGHT GUIDE SMALL

System Wattage (Nominal)	CCT	CRI	Type II				Type III				Type IV				Type V							
			Delivered Lumens	Lumens Per Watt	B	U	G	Delivered Lumens	Lumens Per Watt	B	U	G	Delivered Lumens	Lumens Per Watt	B	U	G	Delivered Lumens	Lumens Per Watt	B	U	G
30W	2700K	70	2966	99	1	0	1	3143	105	1	0	1	3346	112	1	0	1	3027	101	2	0	2
	3000K	70	3064	102	1	0	1	3247	108	1	0	1	3457	115	1	0	1	3127	104	2	0	2
	3500K	70	3113	104	1	0	1	3299	110	1	0	1	3512	117	1	0	1	3177	106	2	0	2
	4000K	70	3211	107	1	0	1	3403	113	1	0	1	3623	121	1	0	1	3277	109	2	0	2
39W	2700K	70	3855	99	2	0	2	4086	105	2	0	2	4350	112	2	0	2	3934	101	2	0	2
	3000K	70	3983	102	2	0	2	4221	108	2	0	2	4494	115	2	0	2	4065	104	2	0	2
	3500K	70	4047	104	2	0	2	4289	110	2	0	2	4566	117	2	0	2	4130	106	2	0	2
	4000K	70	4174	107	2	0	2	4424	113	2	0	2	4710	121	2	0	2	4260	109	2	0	2
46W	2700K	70	4513	98	2	0	2	4808	105	2	0	2	5177	113	2	0	2	4677	102	3	0	3
	3000K	70	4662	101	2	0	2	4967	108	2	0	2	5348	115	2	0	2	4832	104	3	0	3
	3500K	70	4737	103	2	0	2	5047	110	2	0	2	5433	118	2	0	2	4909	107	3	0	3
	4000K	70	4886	107	2	0	2	5206	113	2	0	2	5604	122	2	0	2	5064	110	3	0	3

LED SPECIFICATION

- Typical Efficacy is 98 - 122 lumens per watt
- Color temp: 2700K, 3000K, 3500K and 4000K
- CRI: 70
- Distribution: Type II, III, IV & V

DRIVER SPECIFICATION

- 120 thru 277 Universal Voltage
- Drive Current: 900mA to 2505mA (model dependent)
- 50/60 HZ
- Driver Efficiency > 80%; Power Factor > 0.90
- 0-10V dimming to 10%
- Lifetime: 50,000 hours
- Minimum operating temperature: -30°C
- Integral Surge Protection in conformance to IP64
- UL, cUL, CE

MOTION SENSOR

- 0-10v configurable output set to 10%, 25% or 50% dimming
- Adjustable time delay
- 45° Detection
- Mounts Integral to fixture
- Lens available in white only
- Satisfies California Title 24

SURGE SUPPRESSION

- A Surge Protection Device (SPD) is standard featuring a 20kA maximum discharge current 8/20µs Waveform (Imax); 10kA nominal discharge current 8/20µs Waveform (In) and thermally protected varistor technology.
- Meets IEEE C62.41.2 Location Category C High and US Dept of Energy MSSLC Model Spec.
- SPD shall be wired in series and will result in an open circuit during a fault state, resulting in the luminaire to turn off to protect system components thereby indicating SPD module replacement.

FINISHES

- A polyester powder coat high quality finish is electro-statically applied and baked at 430° for exceptional durability and color retention. Products undergo an intensive five-step cleansing and pretreatment process for maximum paint adhesion.
- Marine grade finish provides superior salt, humidity and UV protection. This coating withstands up to 3000 hours of continuous salt spray, comes with a 5-year warranty and is available in either a textured or gloss surface.

WARRANTY

See www.ANPLighting.com for complete fixture warranty.

LED warranty information

- 5 year limited warranty* on Light Guide engines
- 5 year limited warranty* on LED Drivers

*Limited Warranty: A typical year is defined as 4380 hours of operation. Failed defined as more than 10% of the total platform LED's not operating.

ACCESSORIES



HLMSPC-FM



PC

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs. Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard. Light engine and drivers are accessible from above or below ceiling.

Ceiling thickness range 1/2" to 1-1/2".

OPTICS — 55° cutoff to source and source image

LEDs are binned to a 3-step MacAdam Ellipse

80 CRI standard. 90 CRI optional.

A+ CAPABLE LUMINAIRE — This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning when used with Acuity Brands controls products. All configurations of this luminaire are calibrated and tested to meet the Acuity Brands' specifications for chromatic consistency — including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates. To learn more about A+ standards, specifications, and testing visit www.acuitybrands.com/aplus.

UGR — UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60 degree per CIE 117-1996 Discomfort Glare in Interior Lighting. [UGR FAQs](#)

ELECTRICAL — Adjustable lumen output with four module options.

MVOLT 120/277V 50/60Hz driver (0-10V & 120V Phase Dimming to 10% or 1% min dimming level). DALI driver dimming to 1% also available

FCC CFR Title 47 Part 15 Class A for 277V. FCC CFR Title 47 Part 15 Class B for 120V.

Lumen Maintenance

L80 @ 60,000 hours

LISTINGS — Certified to US and Canadian safety standards. Wet location, requires covered ceiling. Title 24 compliant (90CRI, up to 1000lm). Wallwash suitable for damp locations only. Drivers are ROHS compliant.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

PERFORMANCE DATA

LDN4 AR LS	Wattage	80CRI					
		30K/80CRI		35K/80CRI		40K/80CRI	
		Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
AL01 (500LM)	6	570	99	584	101	597	102
AL01 (750LM)	9	903	102	924	103	946	105
AL01 (1000LM)	13	1268	98	1297	100	1328	102
AL02 (1000LM)	13	1344	108	1375	110	1408	112
AL02 (1500LM)	19	1961	105	2007	106	2055	108
AL02 (2000LM)	25	2471	99	2528	101	2588	103
AL03 (2000LM)	25	2542	103	2601	104	2663	106
AL03 (2500LM)	32	3069	98	3140	99	3214	101
AL03 (3000LM)	38	3485	93	3566	94	3651	96
AL04 (4000LM)	39	4094	106	4178	108	4262	110
AL04 (4500LM)	44	4519	103	4611	105	4703	107
AL04 (5000LM)	49	4914	100	5015	102	5115	104

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical



OD1

Notes

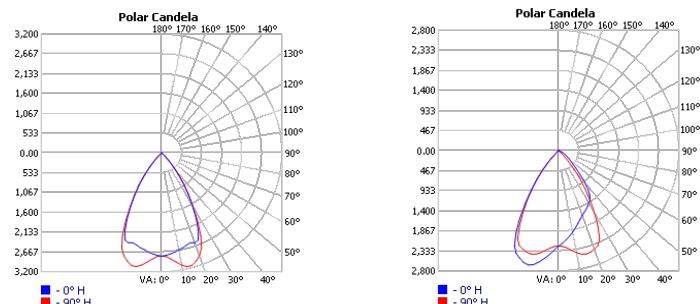
Type

LDN4 SWITCHABLE

4" Open and Wallwash LED
IC and Non-IC
New Construction Downlight

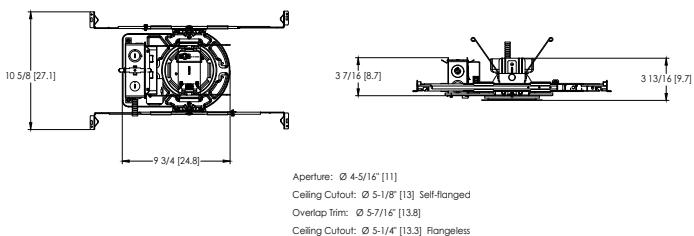


DISTRIBUTIONS



DIMENSIONS

LDN4 500-2000 Lumens



See page 5 for other fixture dimensions.

Aperature: Ø 4-5/16" [11]
Ceiling Cutout: Ø 5-1/8" [13]
Overlap Trim: Ø 5-1/4" [13.3]
Flangeless: Ø 5-1/4" [13.3]



Design Select options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN4 AL02 SWW1 L04 AR LSS MVOLT UGZ

LDN4								
Series	Lumens ‡	Color Temperature ‡	Trim Style	Trim Color	Flange Color ‡	Trim Finish	Distribution	Voltage
LDN4 4" Round	Adjustable Lumen Output AL01 500/750/1000lm AL02 1000/1500/2000lm AL03 2000/2500/3000lm AL04 4000/4500/5000lm Fixed Lumen Output 05LM 500lm 07LM 750lm 10LM 1000lm 15LM 1500lm 20LM 2000lm 25LM 2500lm 30LM 3000lm 40LM 4000lm 45LM 4500lm 50LM 5000lm	Switchable CCT SWW1 3000K-3500K-4000K-5000K Fixed Switchable CCT 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	L04 Downlight LW4 Wallwash	AR Clear WR‡ White painted BR‡ Black painted TRALTBD‡ RAL paint trim TCP‡ Custom paint trim	(blank) Self-flange TRW White TRBL Black FRALTB RAL paint flange only FCPC Custom paint flange only	LSS Semi-specular LD Matte diffused LS Specular	(blank) Medium Wide (1.0s/mh) WD Wide (1.2s/mh)	MVOLT 120V - 277V 347 347V step-down transformer supplied

Driver	Emergency ‡	Control Input ‡	Options
UGZ Universal dimming to 10% 0-10V; line voltage dimming (120V)	Blank No emergency option	Blank No control option	90CRI High CRI (90+)
UGZ1 Universal dimming to 1% 0-10V; line voltage dimming (120V)	EL Batterypack (10W constant power)	NPS80EZ nLight® network power/relay pack with 0-10V dimming	AT‡ Airtight (IP55)
DALI‡ DALI dimming to 1%	ELR Batterypack (10W constant power)	NPS80EZR nLight® network power/relay pack with 0-10V dimming; ER controls fixtures on emergency circuit.	CP‡ Chicago Plenum
D10 Minimum dimming 10% driver for use with JOT D1 Minimum dimming 1% driver for use with JOT	E10WCP Batterypack (10W constant power) T20 Compliant, integral test switch	NLTAIR2 nLight® AIR enabled	
D1 Minimum dimming 1% driver for use with JOT	E10WCPR Batterypack (10W constant power) T20 Compliant, remote test switch	NLTAIRER2 nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit	
	E10WRSTAR Emergency battery pack, 10W with remote test switch and Iota STAR technology	NLTairem2 nLight® AIR Dimming Pack Wireless Controls. UL924 Emergency Operation, via power interrupt detection.	
	ETS Iota Emergency Transfer System	JOT Wireless room control with "Just One Touch" pairing	

‡ Option Restrictions

Options	Restriction
AT	<i>Lumens and Color Temp restriction note:</i> Fixed Lumens and CCT must be specified together (for example: 10LM 30K).
E10WCPR	Standard for CP and IP55, not available with WW
E10WCP	Not available with EC1, EC6, QDS, CP, 347V, NPS80EZ ER, NLTAIRER2, NLTairem2, or AL03 (2000-3000L) DALI.
E10WRSTAR	Not available with EC1, EC6, AT, QDS, CP, 347V, NPS80EZ ER, NLTAIRER2, NLTairem2, AL03 (2000-3000L) DALI, or WL.
ELR	Not available with wet location, EC1, EC6, QDS, CP, 347V, NPS80EZ ER, NLTAIRER2, NLTairem2, AL03 & AL04 w/DALI, or 2000-4500 lumens w/JOT. Top access installation or 17.5" plenum clearance required for roomside installation. Not available with integral test switch.
EC6	Not available with CP, QDS, ELR, E10WCP, or E10WCPR.
WL	Not available with WW, All CP is wet location, except WW (Damp). IP55 rated.
QDS	Not available with CP, ELR, E10WCP, or E10WCPR.
EC1	Not available with CP, QDS, ELR, E10WCP, or E10WCPR.
JOT	Not available with CP, NPS80EZ, NPS80EZ ER, NLTAIRER2, NLTairem2, UGZ, or DALI drivers. Max 4500 lumens. Fixed lumens and CCT only.
NPS80EZ	Not available with CP, QDS, DALI, D1, or D10 drivers. 120V or 277V only. Not available with 347V.
NPS80EZR	Not available with CP, QDS, ELR, E10WCP, E10WCPR, DALI, D1, or D10 drivers. 120V or 277V only. Not available with 347V.
NLTAIR2	Not available with CP, QDS, DALI, D1, or D10 drivers. Non-emergency luminaires with this option can be used as a normal power sensing device for nLight AIR devices and luminaires with EM emergency options.
NLTAIRER2	Not available with CP, QDS, ELR, E10WCP, E10WCPR, DALI, D1, or D10 drivers. Not available with 347V.
NLTairem2	Not available with CP, QDS, ELR, E10WCP, E10WCPR, DALI, D1, or D10 drivers. See UL 924 Sequence of Operation table.
CP	Not available with QDS, EC1, EC6, ELR, E10WCP, E10WCPR, 347V, JOT, NPS80EZ, NPS80EZ ER, NLTAIRER2, NLTairem2, D1, or D10 drivers. Not available with square trim.
ETS	Not available with QDS, ELR, E10WCP, E10WCPR, 347V, JOT, NPS80EZ, NPS80EZ ER, NLTAIRER2, NLTairem2, DALI, D1, or D10 driver
DALI	Not available with fixed lumens or CCT. Max 4500 lumens.
WW	Not available with WL, EL, E10WCP.
TRW, TRBL	Available with clear (AR) reflector only.
WR, BR	Not available with a reflector finish
347V	Not available with CP, QDS, EL, ELR, E10WCP, E10WCPR, NLTAIRER2, ETS, NPS80EZ, NPS80EZR, AL01 ROUND TRIM, 05 LUMENS ROUND TRIM, and 07 ROUND TRIM.
TRALTBD, FRALTB	RALTBD for pricing only. Replace with applicable RAL number and finish when ready to order. See the RAL BROCHURE for available color options. Not available with TCPC or FCPC
TCPC, FCPC	CPC options for pricing only. Custom color chip needs to be sent in to your Customer Resolution specialist before order can be processed. Click HERE for more details. Not available with TRAL or FRAL

Accessories: Order as a separate catalog number.	
LO4 AR ** TRIM	4" clear, specular reflector (** specify finish LS, LSS, or LS)
LO4 WR TRIM	4" white reflector
LO4 BR TRIM	4" black reflector
LW4 AR ** TRIM	4" wallwash clear, specular reflector (** specify finish LS, LSS, or LS)
LW4 WR TRIM	4" wallwash white reflector
LW4 BR TRIM	4" wallwash black reflector
GRA4 6 JZ	Oversized trim ring with 6" outside diameter
SCA4	Sloped Ceiling Adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D.



Items marked by a **shaded background** qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.

*See ordering tree for details

(Maximum order quantity for design select lead times is 256)

EMERGENCY BATTERY PACK OPTIONS - FIELD INSTALLABLE

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter / 2 Hour Runtime
ILB CP10 A	10W	90	1200	
ILBLP CP10 HE SD A ⁺	10W	90	1200	Title 20, Self Diagnostic
ILBLP CP15 HE SD A ⁺	15W	90	1800	Title 20, Self Diagnostic
ILB CP20 HE A	20W	90	2400	Title 20
ILB CP20 HE SD A	20W	90	2400	Title 20, Self Diagnostic
ILBHI CP10 HE SD A ⁺	10W	90	1200	347-480V AC Input, Title 20, Self Diagnostic
ILBHI CP15 HE SD A ⁺	15W	90	1800	347-480V AC Input, Title 20, Self Diagnostic

All the above are UL Listed products that are certified for field install external/remote to the fixture.

* Minimum delivered lumen output to assist in product selection for increased fixture mounting height.

⁺The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.

Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

PHOTOMETRY

LDN4 AR LS		90CRI							
Lumen Output	Wattage	30K/90CRI		35K/90CRI		40K/90CRI		50K/90CRI	
		Delivered Lumens	LPW						
AL01 (500LM)	6	498	87	512	88	526	90	539	92
AL01 (750LM)	9	789	89	810	91	832	92	853	94
AL01 (1000LM)	13	1108	86	1138	88	1168	89	1198	91
AL02 (1000LM)	13	1174	95	1206	97	1238	99	1270	100
AL02 (1500LM)	19	1714	91	1761	93	1807	95	1854	97
AL02 (2000LM)	25	2159	87	2218	89	2276	91	2335	92
AL03 (2000LM)	25	2222	90	2282	92	2342	94	2402	95
AL03 (2500LM)	32	2682	85	2755	87	2827	89	2900	91
AL03 (3000LM)	38	3046	81	3129	83	3211	85	3294	86
AL04 (4000LM)	39	3398	88	3468	90	3537	91	3572	92
AL04 (4500LM)	44	3751	85	3827	87	3904	89	3942	90
AL04 (5000LM)	49	4079	83	4162	84	4245	86	4287	87
LDN4WW AR LS		80CRI							
Lumen Output	Wattage	30K/80CRI		35K/80CRI		40K/80CRI		50K/80CRI	
		Delivered Lumens	LPW						
AL01 (500LM)	6	561	97	574	99	587	101	606	103
AL01 (750LM)	9	888	100	908	101	930	103	959	106
AL01 (1000LM)	13	1246	97	1275	98	1305	100	1346	102
AL02 (1000LM)	13	1321	106	1352	108	1384	110	1427	113
AL02 (1500LM)	19	1928	103	1973	105	2020	106	2083	109
AL02 (2000LM)	25	2429	98	2485	99	2544	101	2623	104
AL03 (2000LM)	25	2499	101	2557	103	2618	105	2699	107
AL03 (2500LM)	32	3017	96	3087	98	3160	99	3258	102
AL03 (3000LM)	38	3426	91	3506	93	3589	95	3700	97
AL04 (4000LM)	39	4031	104	4113	106	4195	108	4236	109
AL04 (4500LM)	44	4449	101	4539	103	4630	105	4676	107
AL04 (5000LM)	49	4838	98	4937	100	5035	102	5085	103
LDN4WW AR LS		90CRI							
Lumen Output	Wattage	30K/90CRI		35K/90CRI		40K/90CRI		50K/90CRI	
		Delivered Lumens	LPW						
AL01 (500LM)	6	490	85	503	87	517	89	530	90
AL01 (750LM)	9	776	87	797	89	818	91	839	93
AL01 (1000LM)	13	1089	84	1119	86	1148	88	1178	90
AL02 (1000LM)	13	1155	93	1186	95	1217	97	1248	99
AL02 (1500LM)	19	1685	90	1731	92	1777	94	1822	95
AL02 (2000LM)	25	2123	85	2180	87	2238	89	2295	91
AL03 (2000LM)	25	2184	88	2243	90	2302	92	2362	94
AL03 (2500LM)	32	2637	84	2708	86	2780	87	2851	89
AL03 (3000LM)	38	2994	80	3076	81	3157	83	3238	85
AL04 (4000LM)	39	3346	86	3414	88	3482	90	3516	91
AL04 (4500LM)	44	3692	84	3768	86	3843	88	3881	88
AL04 (5000LM)	49	4015	81	4097	83	4179	85	4220	86

LUMEN OUTPUT MULTIPLIERS - FINISH	
Specular (LS)	1.05
Semi-specular (LSS)	1.00
Matte diffuse (LD)	0.85

LUMEN OUTPUT MULTIPLIERS - CCT			
3000K	3500K	4000K	5000K
0.98	1.0	1.01	1.03

LUMEN OUTPUT MULTIPLIERS - CRI	
80	1.0
90	0.874

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

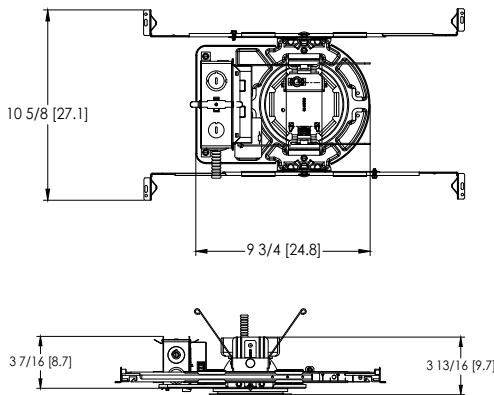
The LPW rating is also available at Designlight Consortium.

LDN4 SWW

* All dimensions are inches (centimeters) unless otherwise noted.

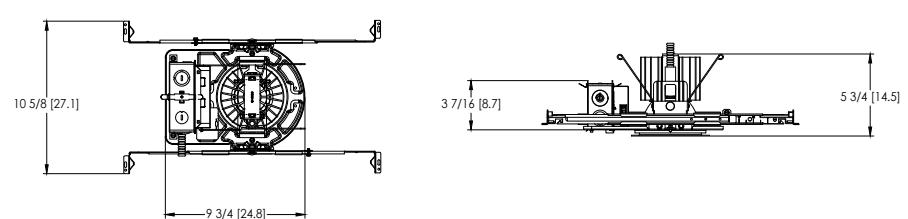
LDN4 SWW1 IC RATING	
AL01	IC
AL02	NON-IC
AL03	NON-IC

LDN4 SWW1 500-2000 Lumens



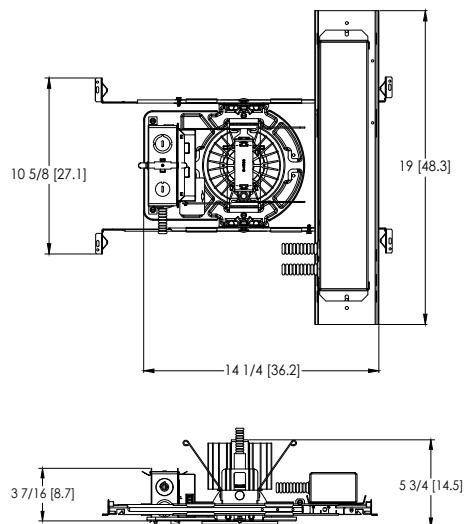
Aperture: Ø 4-5/16" [11]
 Ceiling Cutout: Ø 5-1/8" [13] Self-flanged
 Overlap Trim: Ø 5-7/16" [13.8]
 Ceiling Cutout: Ø 5-1/4" [13.3] Flangeless

LDN4 SWW1 2500-4000 Lumens



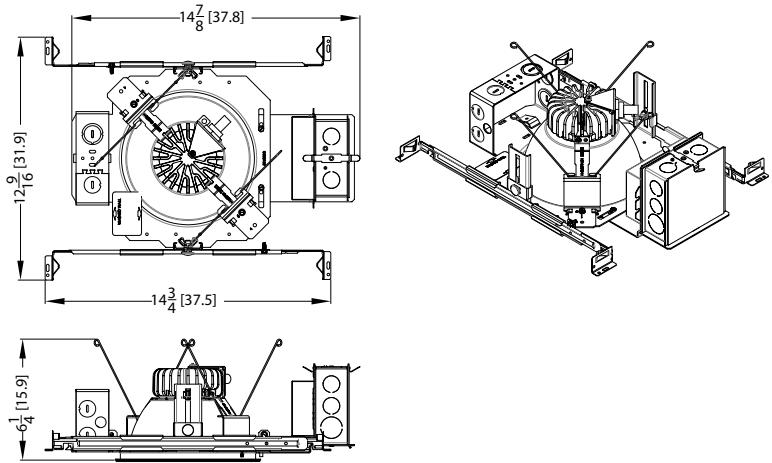
Aperture: Ø 4-5/16" [11]
 Ceiling Cutout: Ø 5-1/8" [13] Self-flanged
 Overlap Trim: Ø 5-7/16" [13.8]
 Ceiling Cutout: Ø 5-1/4" [13.3] Flangeless

LDN4 SWW1 EL



Aperture: Ø 4-5/16" [11]
 Ceiling Cutout: Ø 5-1/8" [13] Self-flanged
 Overlap Trim: Ø 5-7/16" [13.8]
 Ceiling Cutout: Ø 5-1/4" [13.3] Flangeless

LDN4 SWW1 CP 500-3000 Lumens



DIMMER COMPATIBILITY

Not compatible with DALI or DMX dimmers. For specific compatible dimmers see below.

COMPATIBLE LINE VOLTAGE DIMMERS:

Type	Forward Phase	AL01 (500-1000lm)	AL02 (1000-2000lm)	AL03 (2000-3000lm)	AL04 (3000-5000lm)	Comment
MLV	Sensorswitch WPD	YES	YES	YES	YES	
MLV	Sensorswitch CMR PDT10 ADC VLP	YES	YES	YES	YES	
MLV	Synergy ISD 600LV	YES, 2x *	YES	YES	YES	* min 2 fixtures
INC	Synergy ISD 600I	YES, 2x *	YES	YES	YES	* min 2 fixtures
MLV	Lutron Glyder GLV-600	YES	YES	YES	YES	
INC	Leviton SureSlide 6633	YES	YES	YES	YES	
MLV	Lutron Diva DVLV-600P	YES	YES	YES	YES	
MLV	Lutron Skylark SLV-600P	YES	YES	YES	YES	
INC	Lutron RadioRA 2 1OND	YES	YES	YES	YES	
MLV	Leviton SureSlide 6613-PLW	YES	YES	YES	YES	
INC	Lutron Diva DVCL-153P	YES	YES	YES	YES	
MLV	Leviton IPM06	YES, 2x *	YES	YES	YES	* min 2 fixtures
Type	Reverse Phase Dimmer Bank	AL01 (500-1000lm)	AL02 (1000-2000lm)	AL03 (2000-3000lm)	AL04 (3000-5000lm)	
ELV	Lutron Nova T NTELV-600	YES	YES	YES	YES	
ELV	Lutron Diva DVELV 600P	YES	YES	YES	YES	
ELV	Lutron Maestro MAELV 600	YES	YES	YES	YES	
ELV	Leviton Vizia VPE06-1LX	YES	YES	YES	YES	
ELV	Leviton Illumatech IPE04	YES	YES	YES	YES	
ELV	Control4 C4-APD 120 REVERSE PHASE	YES	YES	YES	YES	
Type	Miscellaneous Dimmers	AL01 (500-1000lm)	AL02 (1000-2000lm)	AL03 (2000-3000lm)	AL04 (3000-5000lm)	
PHA	Lutron RadioRA2 RRD-6NA	YES	YES	YES	YES	
PHA	Lutron Maestro PRO LED+ RRD-PRO	YES	YES	YES	YES	
Type	Control Systems	AL01 (500-1000lm)	AL02 (1000-2000lm)	AL03 (2000-3000lm)	AL04 (3000-5000lm)	
MLV	Lutron LP-RPM-4U	YES	YES	YES	YES	
PHA	Lutron LP-RPM-4A	YES	YES	YES	YES	
MLV	Lutron GRAPHIC EYE QSGRJ-3P	YES	YES	YES	YES	
PHA	Lutron PA Power Module PHPM-PA-120	YES	YES	YES	YES	
ELV	Lutron nLight nSP5PCD ELV	YES	YES	YES	YES	

COMPATIBLE 0-10V DIMMERS:

Manufacturer	System Type	Description	P/N	AL01 (500-1000lm)	AL02 (1000-2000lm)	AL03 (2000-3000lm)	AL04 (3000-5000lm)
ACUITY	Wall Box	sensorswitch, dimming switch with multi-way option	SPODMRA	YES	YES	YES	YES
ACUITY	Wall Box	sensorswitch, wall switch sensor, occupancy controlled dimming	WSX D WH	YES	YES	YES	YES
ACUITY	Control System	nLight	nPP16D	YES	YES	YES	YES
ACUITY	Control System	nLight	nPS 80 EZ	YES	YES	YES	YES
ACUITY	Control System	nLight Air	rPP20 D	YES	YES	YES	YES
Lutron	Other	0-10V (sink or source) PowPak wireless dimming module	RMJ-5T-DV-B	YES	YES	YES	YES
Wattstopper	Control System	Digital single relay room controller (0-10V)	LMRC-211	YES	YES	YES	YES
Crestron	Control System	DIN Rail 0-10V fluorescent dimmer, 4 feeds, 4 channels (Green Light System)	DIN-4DIMFLV4	YES	YES	YES	YES
Lutron	Other	Grafik Eye 0-10V adapter	GRX-TVI	YES	YES	YES	YES
Leviton	Wall Box	Illumatech 0-10V	IP710-DLX	YES	YES	YES	YES
Lutron	Control System	Mounted in the Homeworks QS panel - 0-10V dimmer (sink or source)	GRX-TVM2	YES	YES	YES	YES
Lutron	Wall Box	Nova 0-10V wallbox dimmer (use with PP-120-H line voltage relay)	NTFTV	YES	YES	YES	YES
Lutron	Wall Box	Nova 0-10V wallbox dimmer (use with PP-120-H line voltage relay)	NTSTV-DV	YES	YES	YES	YES
Lutron	Wall Box	Nova T	NFTV	YES	YES	YES	YES
Leviton	Wall Box	Renior II 0-10V	AWSMG-7DW	YES	YES	YES	YES

ADDITIONAL DATA



The Sensor Switch JOT enabled solution offers a wireless, app-free approach to single room lighting control. JOT enabled products use Bluetooth® Low Energy (BLE) technology to enable wireless dimming and switching.

Diagram



LDN4 Series

Sensor Switch
WSXA JOT

- 1. Power:** Install JOT enabled fixtures and controls as instructed.
- 2. Pair:** Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
- 3. Play:** Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DTV	
	Diva® DVSC	
	Nova™ NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis 0A2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

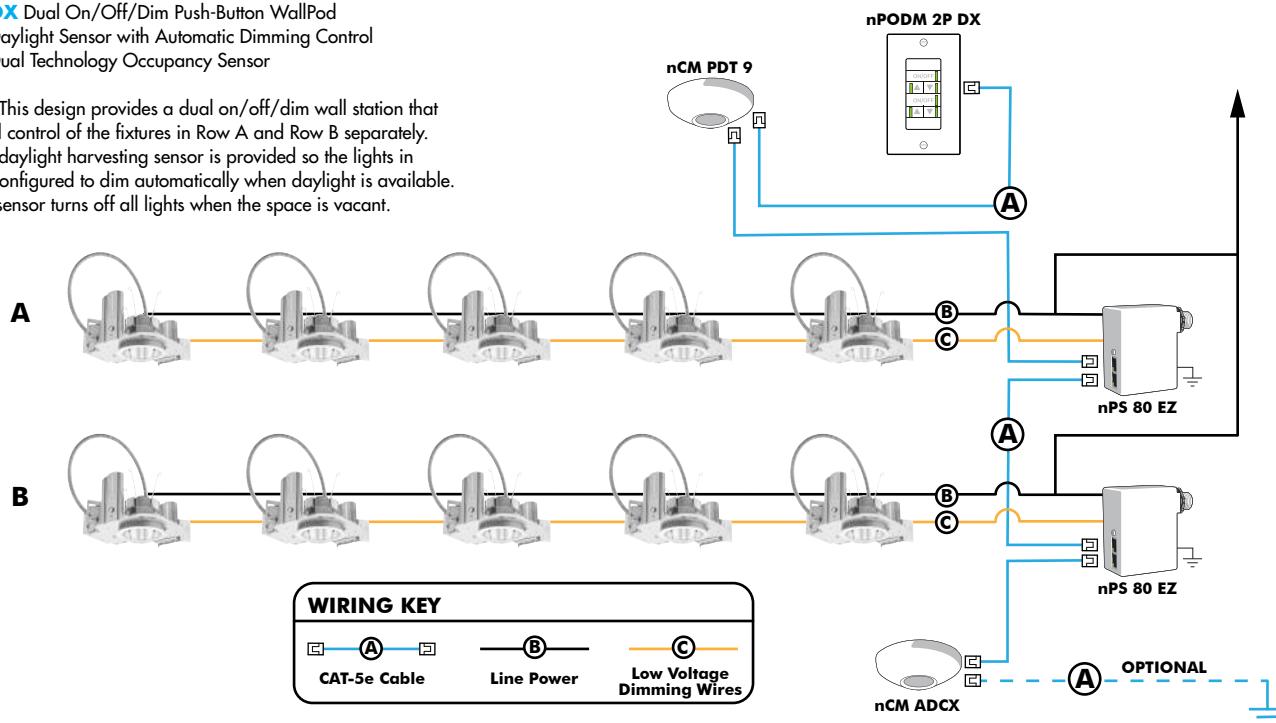
nPS 80 EZ Dimming/Control Pack (qty: 2 required)

nPODM 2P DX Dual On/Off/Dim Push-Button WallPod

nCM ADCX Daylight Sensor with Automatic Dimming Control

nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.



Choose Wall Controls

nLight offers multiple styles of wall controls - each with varying features and user experience.



Push-Button Wallpod
Traditional tactile buttons and LED user feedback



Graphic Wallpod
Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:			
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.			
WallPod Stations	Model number	Occupancy sensors	Model Number
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model Number	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model Number
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1

nLight® AIR Control Accessories:	
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair .	
Wall switches	Model number
On/Off single pole	rPODB [color]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH ¹

Notes

1 Can only be ordered with the RES7Z zone control sensor version.

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

nLight AIR

nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Lithonia LDN Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.



Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



OONO P



There is more to the sophisticated Oono than just its gentle embracing glow. Built in first instance as a family of exterior products, Oono is a family of dualities. It combines elegant looks with a warm diffused light effect. It couples the sturdy look of metal with the pureness of glass. It unifies exterior and interior, as the range offers IP-rated solutions for outdoor with straightforward surface mounted and pendant luminaires for indoors. It unites a play of straight lines with perfect circular shapes. It merges black and white, by adding a touch of gold. It brings together the shimmer of dusk with the fresh start of dawn.

Specification	
Adjustability:	Fixed
Rating:	IP54

Performance	
LED Maintenance:	L90>50,000h
McAdam Step:	1
CRI:	90
*SP:	10W

Delivered Lumens	2700K	3000K
Oono P:	572Lm	599Lm

Listing

ETL certified to US and Canadian safety standards.

Warranty

5-year limited warranty.

Ordering

ALL BOXES MUST BE FILLED IN TO CORRECTLY ORDER

Example: ONB4-SP30GFX-B-DMINCD8-120

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Luminaire	Height	Power*	CCT	Style	Function	Finish	Installation	Application	Controls***
ONB OONO P (Bollard)	4 443mm / 17 ⁷ / ₁₆ "	SP Standard Power	27 2700K	G Frosted Glass Enclosed	FX Fixed Bollard, Exterior Use	B Black	DM Direct Mount	INC Integral Power Supply	D8-120 FE ELV dim 120V
	7 743mm / 29 ¹ / ₄ "		30 3000K			N Anthracite	PL Plate Mount		PM Pin Mount

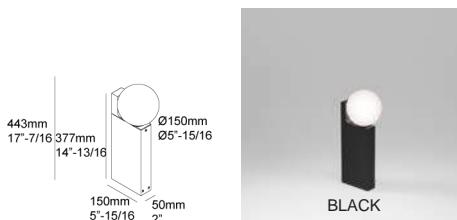
*** Contact factory for additional dimming options

Related Products

Oono F, Oono W (wall)

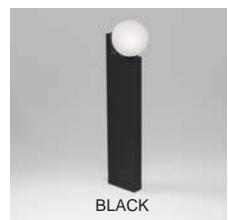
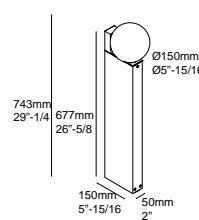
Finish Options

OONO P 4



BLACK

OONO P 7

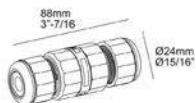


BLACK



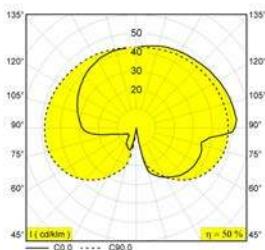
ANTHRACITE

Accessories

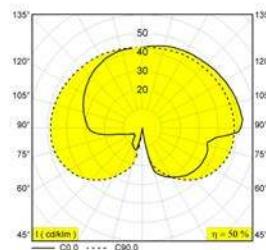
IP68 CONNECTOR 3P
6 216 12 03

Photometric Data

OONO P 4

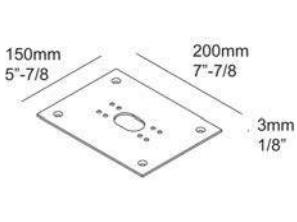


OONO P 7

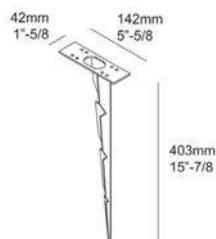


Installation Options

PL - PLATE 7



PM - PIN 12



Driver Options

D8

- Dimming Control
- Phase Control
- Dimming Range
- 10-100%
- Dim to off
- no
- Power Factor @ Full Load
- >0.9
- Efficiency @ Full Load
- ≥80
- THD @ Full Load
- <5%

Dimmer Compatibility

- Leviton IPE04-1LZ
- Lutron DVELV-300P

As technology changes, please use information above as guidance. For most recent updated information please contact factory. Specifications subject to change without notice.

NEON CONTOUR

It's like neon, but better! This bendable, waterproof silicone fixture uses a rounded lens that gives modern LEDs the classic glow of neon tubes. Available in Static White, Variable White and color changing RGB, the Neon Contour is designed to brave the elements in façade lighting and lettering.

- Side-bending flexible silicone creates vivid tubes of light
- RGB, Static White, Variable White at 3.0 W/ft (9.8 W/m)
- 1.97 in. (50 mm) incremental length
- Molded end cap for smooth finish
- Waterproof and UV resistant
- Salt water resistant
- Unique rounded design helps create signature styles

Applications:

Commercial
Entertainment
Healthcare

Hospitality
Museums
Public Spaces

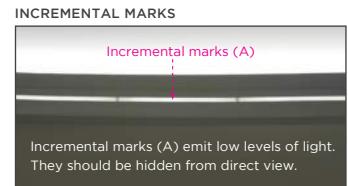
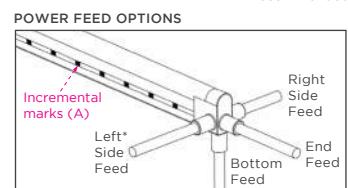
Residential
Retail / Signage



ORDERING GUIDE

Category	Wattage & Color	Power Feed Direction
NLC		
NLC - Neon Contour	3.024 - 3.0 W/ft (9.8 W/m) 2400K 3.027 - 3.0 W/ft (9.8 W/m) 2700K 3.030 - 3.0 W/ft (9.8 W/m) 3000K 3.035 - 3.0 W/ft (9.8 W/m) 3500K 3.040 - 3.0 W/ft (9.8 W/m) 4000K	3.0RGB - 3.0 W/ft (9.8 W/m) Red, Green, Blue 3.0VW - 3.0 W/ft (9.8 W/m) Variable White (2400K-6000K)
Mounting		E - End Feed B - Bottom Feed LS - Left Side Feed* RS - Right Side Feed
1. Aluminum Mounting Clip	Recommended for curved applications with 6 in. (150 mm) on center spacing Part #: NLCMOUNTCLIPV2	
2. Neon Contour Mounting Channel	Recommended for all straight run applications Sold by the foot, up to 6 ft 6 in. / 2 m Part #: NLCCHV2	

* Recommended



AVAILABLE COLORS AND COLOR TEMPERATURES



USAGE GUIDELINES

- Neon Contour cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a void warranty.
- When installing this product, consider the surface temperature of the material where it will be mounted. Many building surfaces which are exposed to direct sunlight exceed the 140 °F (60 °C) maximum for which this product is rated. High-risk locations like this should be avoided.
- This product can be used in wet, outdoor locations around swimming pools and spa tubs, but is not intended to be submerged in pools and fountains and does not carry UL 676 certification for submersion.
- Compatible with a wide variety of controls.
- For use with Acolyte drivers, Triac dimming modules, 0-10 V modules and DMX interfaces when applicable.
- Use with non-Acolyte Triac, MLV or ELV drivers is not supported or warrantied.
- Due to the cuttable points inside, this product's cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, this product is factory cut at the shorter cuttable point.

Acolyte does not warrant or represent that this information is free from errors or omission. We reserve the right to make changes to our product lineup, specifications, design and finishes at any time without notice. Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

POWER FEED OPTIONS / SPECIFICATIONS / USAGE GUIDELINES

SPECIFICATIONS		NEON CONTOUR
Operating Voltage		24 VDC
Power Consumption		Static White, Variable White, RGB: 3.0 W/ft (9.8 W/m)
Protection Rating		IP67
Beam Angle		110°
Dimming		ELV / MLV / 0-10 Volt / DMX
Operating Temperature		-4 – 140 °F (-20 – 60 °C)
Color Temperatures / Colors		2400K, 2700K, 3000K, 3500K, 4000K, Variable White (2400K-6000K), RGB
Lifetime (L70 reported)		50,000 hours
Max Length		Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)
Incremental Length		1.97 in. (50 mm) NOT FIELD CUTTABLE
Power Cable Length		Standard: 12 in. (304.8 mm) / Custom: up to 20 ft (6 m)
UV Resistant		UV tested in accordance with ISO 4892-3 with no visible change on the appearance of the sample
Minimum Bend Radius		3.94 in. (100 mm)
CRI (white)		90+ for all Color Temperatures
		3.0 Static White 4000K: 152 lm/ft (498.6 lm/m), 38 lm/W
		3.0 Variable White 150 lm/ft (492 lm/m), 34 lm/W
		3.0 RGB Red: 11 lm/ft (36.1 lm/m), 11 lm/W Green: 43 lm/ft (141 lm/m), 29 lm/W Blue: 9 lm/ft (29.5 lm/m), 5 lm/W All LEDs at 100%: 63 lm/ft (206.6 lm/m), 21 lm/W
Lumens		

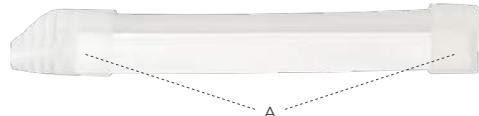
MOLDED END CAPS (See page 3 for details.)

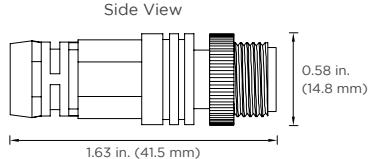
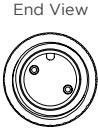
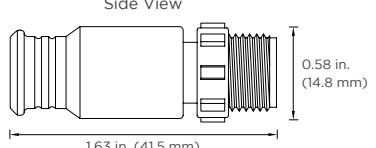
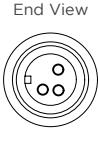
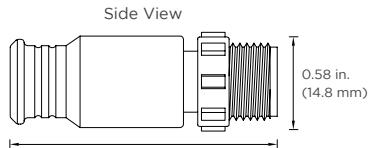
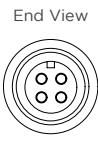


Molded End Cap

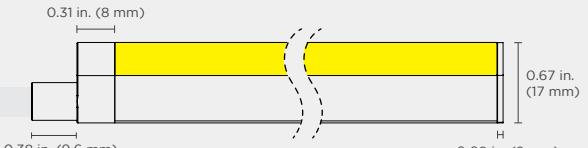
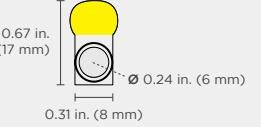
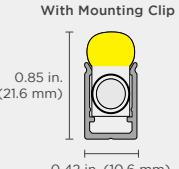
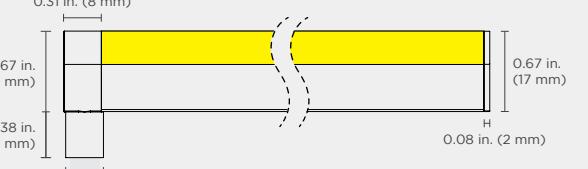
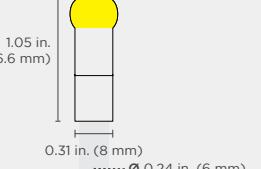
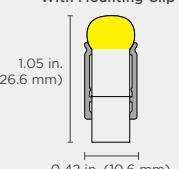
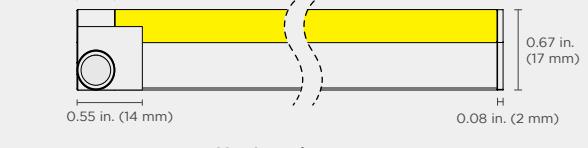
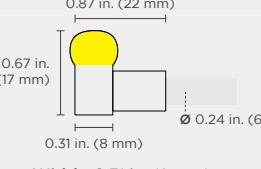
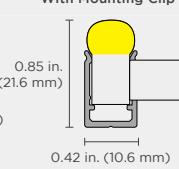
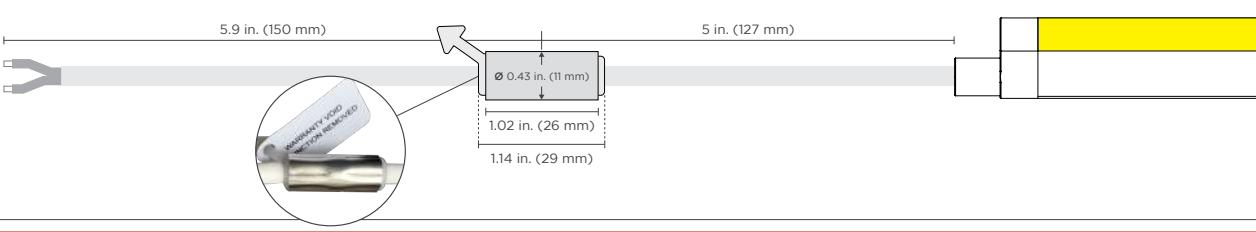
Molded Power Feed End Cap

Note: Fixtures less than 8 in. (203 mm) long will come with silicone end caps (A).



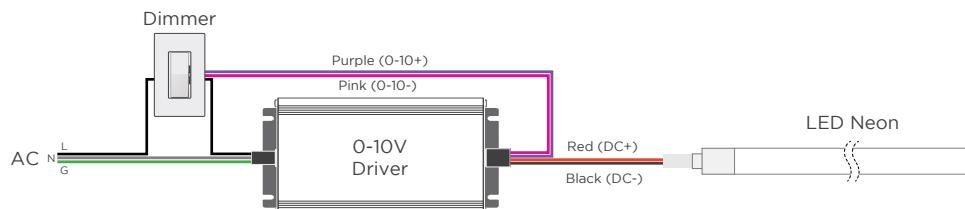
2-pin Male Connector	2-pin Female Connector
 Side View 0.58 in. (14.8 mm) 1.63 in. (41.5 mm)	 End View 0.59 in. (15 mm) 1.67 in. (42.5 mm)
3-pin Male Connector	3-pin Female Connector
 Side View 0.58 in. (14.8 mm) 1.63 in. (41.5 mm)	 End View 0.59 in. (15 mm) 1.67 in. (42.5 mm)
4-pin Male Connector	4-pin Female Connector
 Side View 0.58 in. (14.8 mm) 1.63 in. (41.5 mm)	 End View 0.59 in. (15 mm) 1.67 in. (42.5 mm)

DIMENSIONS & DIAGRAMS

END FEED		
Side View  <p>0.31 in. (8 mm) 0.38 in. (9.6 mm) 0.08 in. (2 mm)</p> <p>Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)</p>	End View  <p>0.67 in. (17 mm) 0.31 in. (8 mm) Ø 0.24 in. (6 mm)</p> <p>Bottom Width: 0.31 in. (8 mm) Height: 0.67 in. (17 mm) Cable Diameter: 0.24 in. (6 mm)</p>	 <p>0.85 in. (21.6 mm) 0.42 in. (10.6 mm) Width: 0.42 in. (10.6 mm) Height: 0.85 in. (21.6 mm)</p>
BOTTOM FEED		
Side View  <p>0.31 in. (8 mm) 0.67 in. (17 mm) 0.38 in. (9.6 mm) 0.31 in. (8 mm)</p> <p>Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)</p>	End View  <p>1.05 in. (26.6 mm) 0.31 in. (8 mm) Ø 0.24 in. (6 mm)</p> <p>Bottom Width: 0.31 in. (8 mm) Height: 1.05 in. (26.6 mm) Cable Diameter: 0.24 in. (6 mm)</p>	 <p>1.05 in. (26.6 mm) 0.42 in. (10.6 mm) Width: 0.42 in. (10.6 mm) Height: 1.05 in. (26.6 mm)</p>
SIDE FEED		
Side View  <p>0.31 in. (8 mm) 0.55 in. (14 mm) 0.08 in. (2 mm)</p> <p>Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)</p>	End View  <p>0.87 in. (22 mm) 0.31 in. (8 mm) Ø 0.24 in. (6 mm)</p> <p>Bottom Width: 0.31 in. (8 mm) Height: 0.67 in. (17 mm) Cable Diameter: 0.24 in. (6 mm)</p>	 <p>0.85 in. (21.6 mm) 0.42 in. (10.6 mm) Width: 0.42 in. (10.6 mm) Height: 0.85 in. (21.6 mm)</p>
MOUNTING CLIP - Recommended for curved applications with 6 in. (150 mm) on center spacing.		
Top View  <p>0.79 in. (20 mm) 0.42 in. (10.6 mm)</p> <p>Width: 0.42 in. (10.6 mm) Depth: 0.79 in. (20 mm)</p>	End View  <p>0.61 in. (15.5 mm) 0.42 in. (10.6 mm)</p> <p>Width: 0.42 in. (10.6 mm) Height: 0.61 in. (15.5 mm)</p>	
MOUNTING CHANNEL (Part #: NLCCHV2) Recommended for all straight run applications. Sold by the foot, up to 6 ft 6 in. / 2 m (same width & height as mounting clip)		
HYDRO SEAL		
The Hydro Seal clinches tightly around the conductors to prevent any water flow from the end of the wire to the circuit board through capillary effect.		
 <p>5.9 in. (150 mm) 5 in. (127 mm) 1.14 in. (29 mm) 1.02 in. (26 mm) Ø 0.43 in. (11 mm)</p>		

WIRING DIAGRAMS - STATIC WHITE / RGB

0-10V



WIRE COLORS PER RIBBONLYTE COLOR

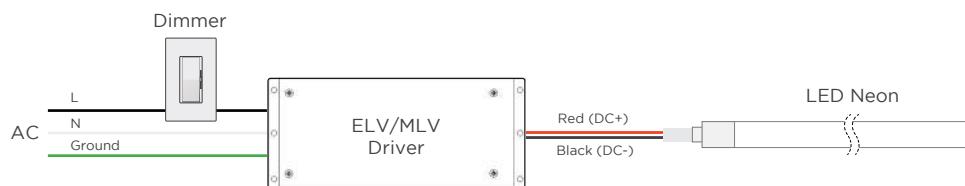
STATIC WHITE

Red Wire (+) Positive
Black Wire (-) Negative

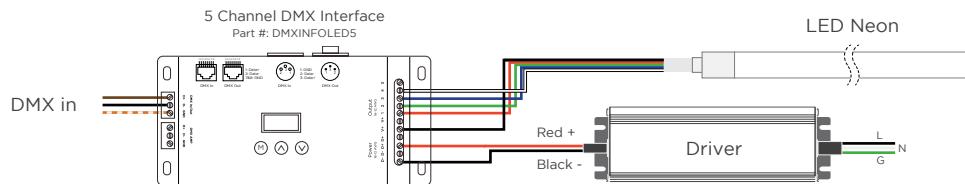
RGB

Black Wire (+) Positive
Red Wire (-) goes to Red Channel
Green Wire (-) goes to Green Channel
Blue Wire (-) goes to Blue Channel

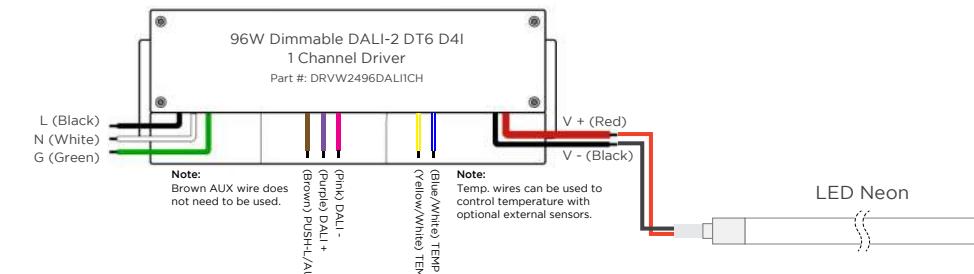
MLV / ELV



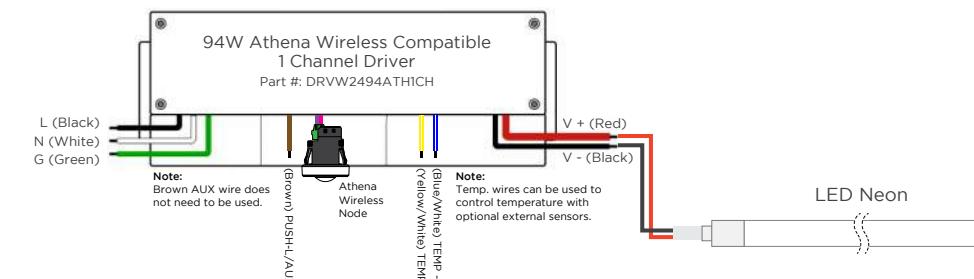
DMX



DALI-2 WIRING WITH STATIC WHITE NEON

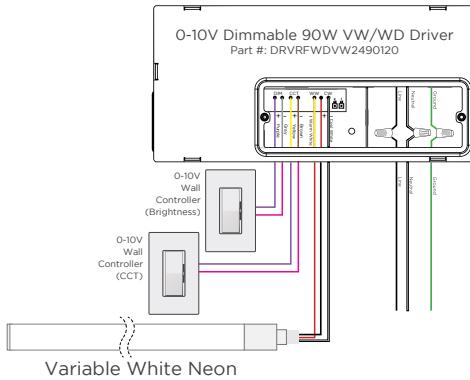


STATIC WHITE NEON WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



WIRING DIAGRAMS - VARIABLE WHITE

2-CHANNEL VARIABLE WHITE DIMMING

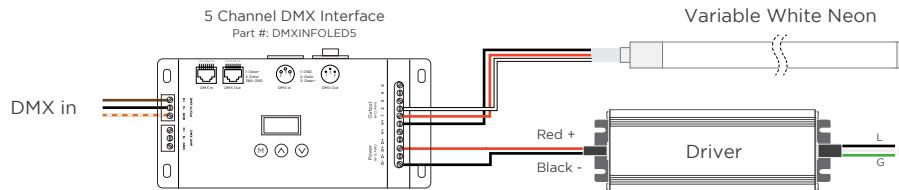


WIRE COLORS PER RIBBONLYTE COLOR

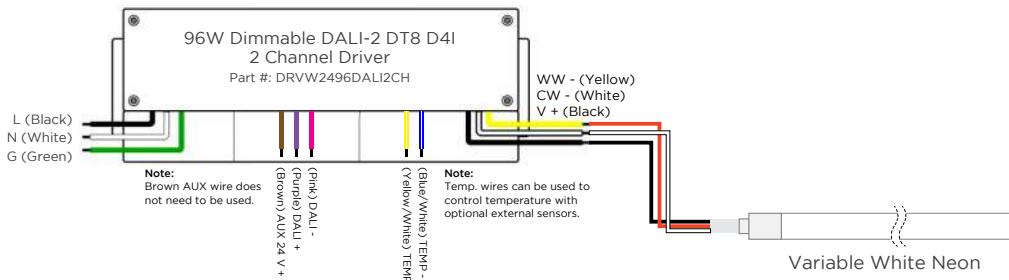
VARIABLE WHITE

Black Wire (+) Positive
Red Wire (-) goes to Warm White Channel
White Wire (-) goes to Cool White Channel

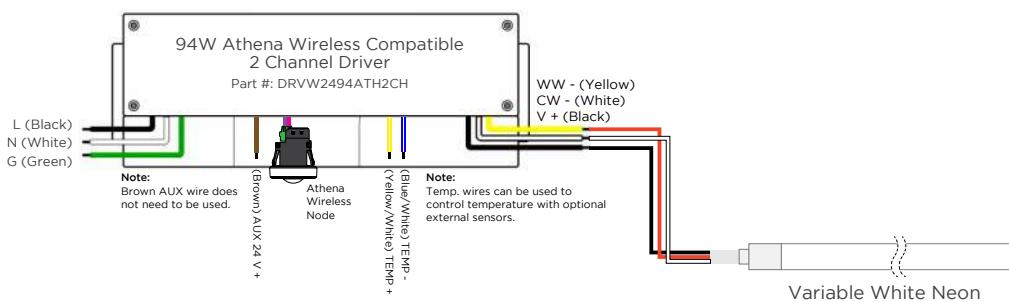
DMX WIRING DIAGRAM - COMPATIBLE WITH ALL MODELS OF VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE NEON



ATHENA WIRELESS COMPATIBLE DRIVER WIRING WITH VARIABLE WHITE NEON



REV.01AUG2025

GLOBAL HQ

320 Murray Hill Pkwy
East Rutherford, NJ 07073
U.S.
T: (+1) 212 629 6830
E: Sales-US@GENLEDBrands.com

EUROPEAN HQ

Hogeweyelaan 119
1382 JK Weesp
Netherlands
T: (+31) 346 235 000
E: SalesEurope@GENLEDBrands.com

MEINA HQ

PO Box 371378, #823, Building 4EA
Dubai Airport Free Zone
Dubai, UAE
T: (+971) 4 701 7901
E: SalesMEINA@google.com

ASIA-PACIFIC HQ

Room 402, Building D
Shensi Tongchuang Science and Technology Park
No. 16 Hongyin Road
Xingqiang Community, Xinhua Street
Guangming District, Shenzhen, China 518107
T: (+86) 755 8529 0710
E: Sales-Pacific@GENLEDBrands.com

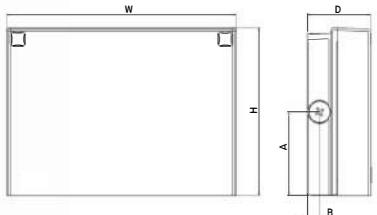


WPX LED Wall Packs

OW1



Specifications



Front View

Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1"(20.6 cm)	11.1"(28.3 cm)	3.2"(8.1 cm)	4.0"(10.3 cm)	0.6"(1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1"(23.1 cm)	12.3"(31.1 cm)	4.1"(10.5 cm)	4.5"(11.5 cm)	0.7"(1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5"(24.1 cm)	13.0"(33.0 cm)	5.5"(13.7 cm)	4.7"(12.0 cm)	0.7"(1.7 cm)	11.0 lbs (5.0kg)

Catalog
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series	Color Temperature	Voltage	Options	Finish
WPX1 LED P1	1,550 Lumens, 11W ¹	30K 3000K	MVOLT 120V - 277V	(blank) None
WPX1 LED P2	2,900 Lumens, 24W	40K 4000K	347 347V ³	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ²
WPX2 LED	6,000 Lumens, 47W	50K 5000K		E14WC Emergency battery backup, CEC compliant (14W, -20°C min) ²
WPX3 LED	9,200 Lumens, 69W			PE Photocell ³
				Note : For other options, consult factory.

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V or PE options.

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection). All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.



One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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COMMERCIAL OUTDOOR

WPX LED
Rev. 07/01/24

Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Emergency Egress Battery Packs

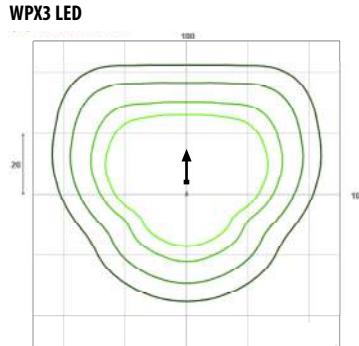
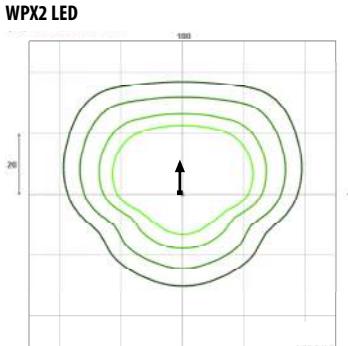
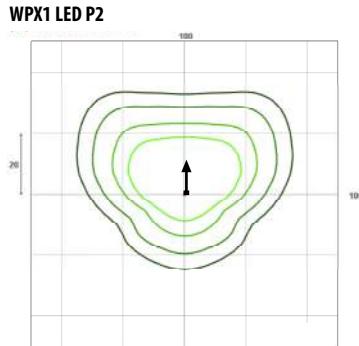
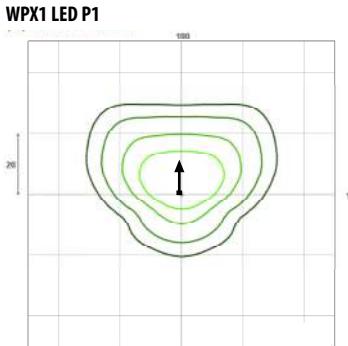
The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT E4WH DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT E14WC DDBXD

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](#) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

LEGEND	
0.1 fc	
0.2 fc	
0.5 fc	
1.0 fc	



Mounting Height = 12 Feet.