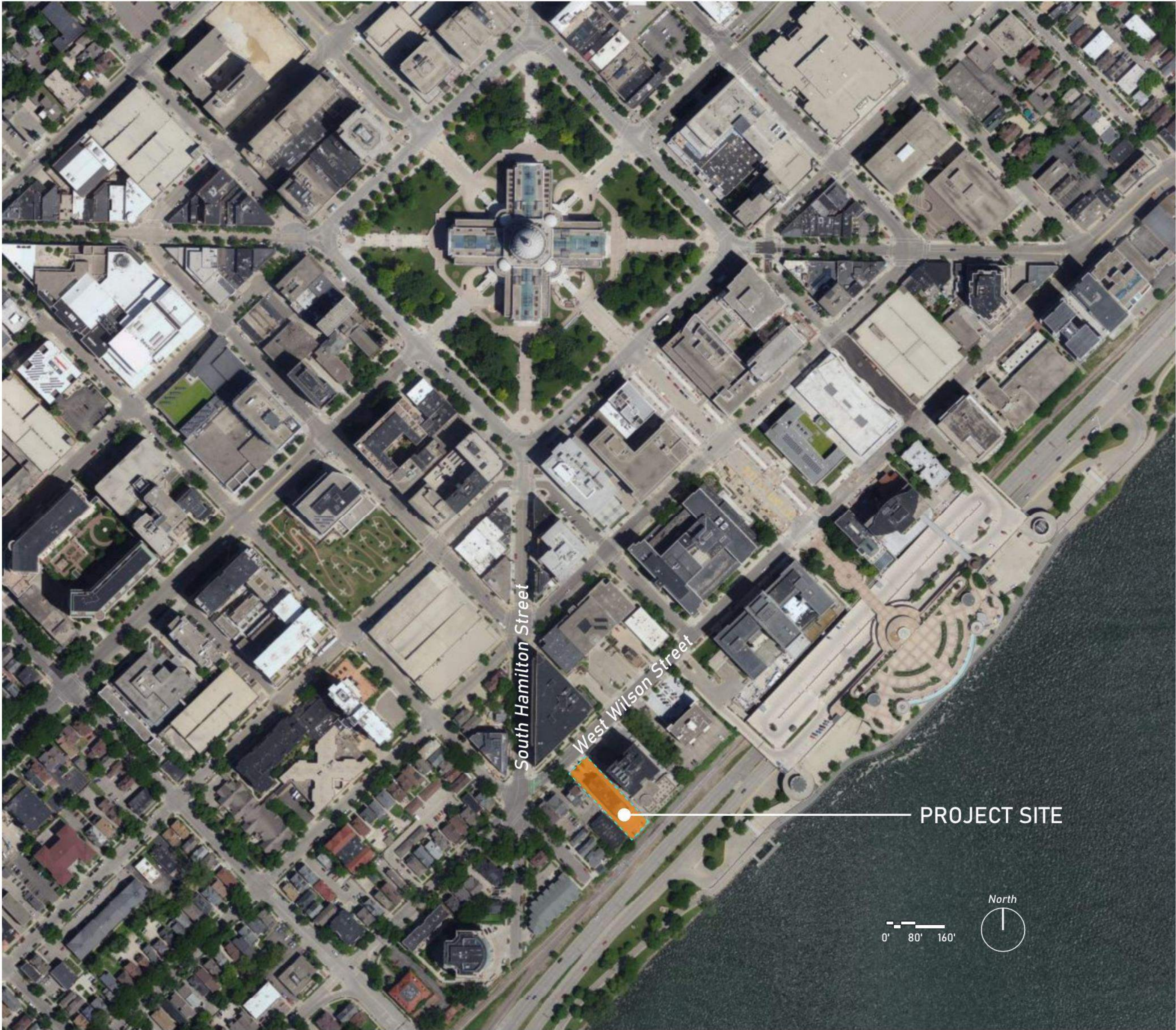
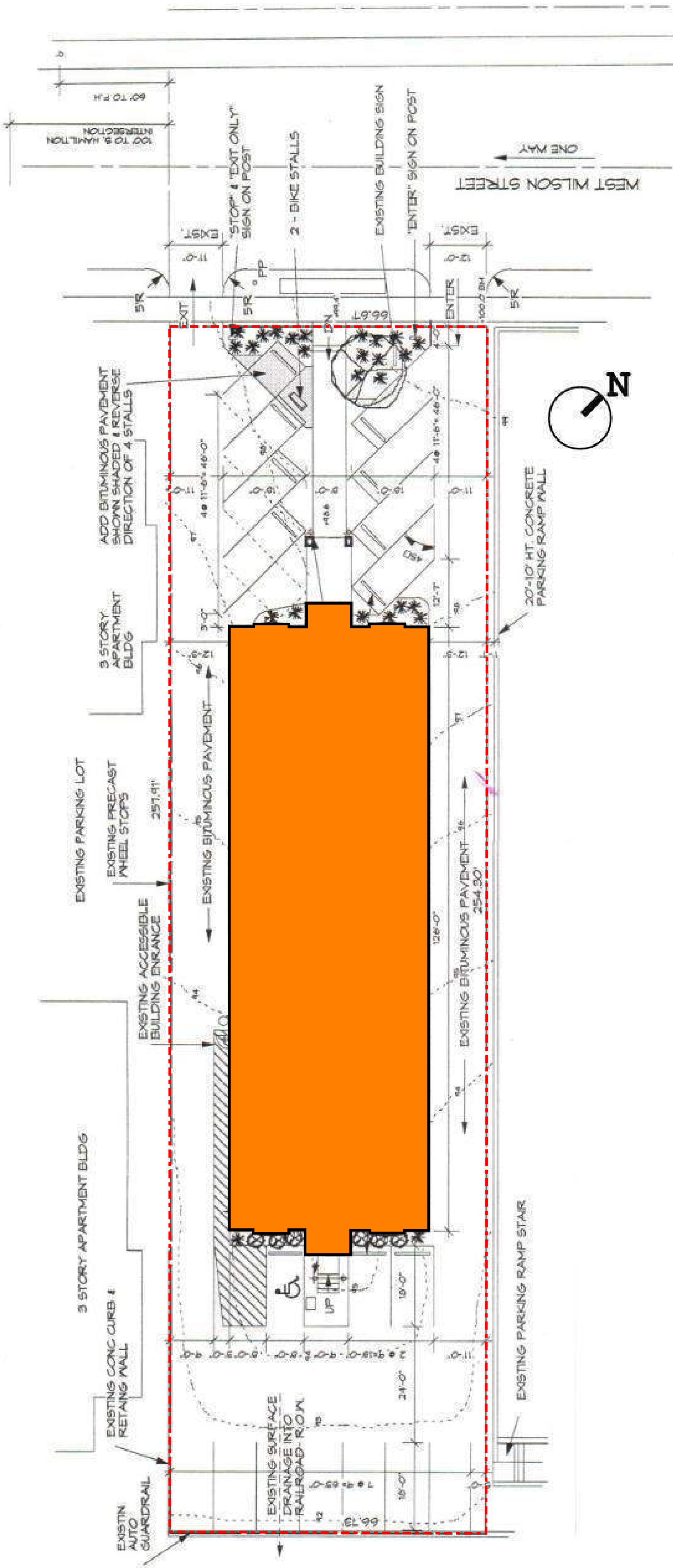
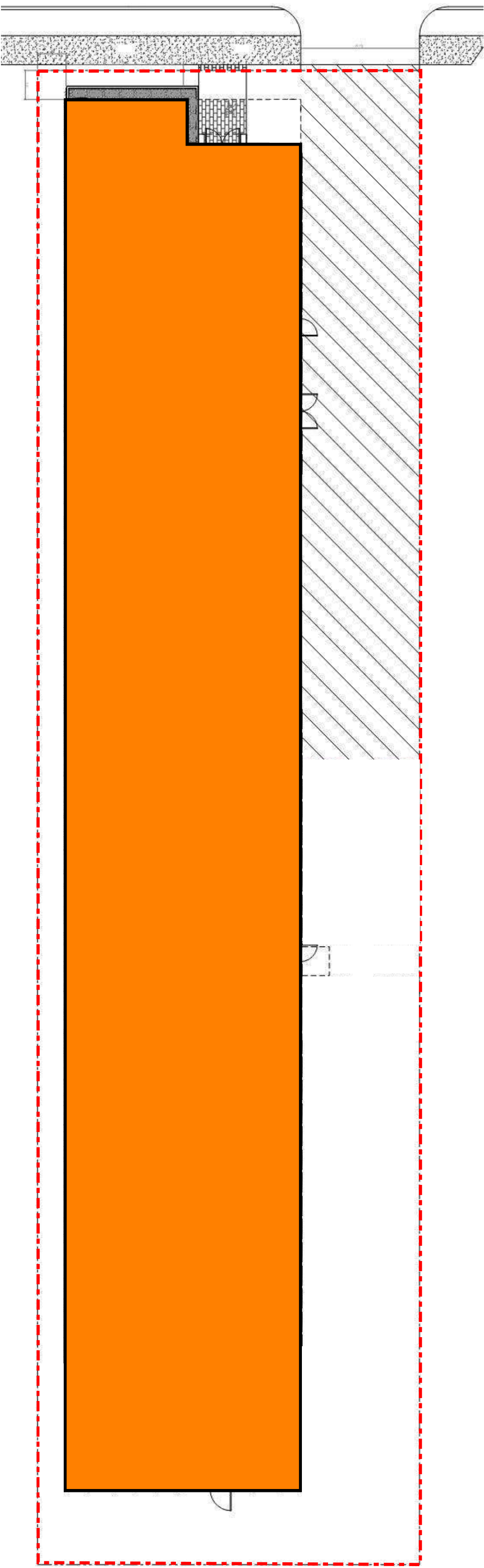




SITE LOCATION MAP



EXISTING BUILDING ON SITE



PROPOSED BUILDING ON SITE

No.	Description	Date

TORQUE
COMPANIES

139 W. WILSON

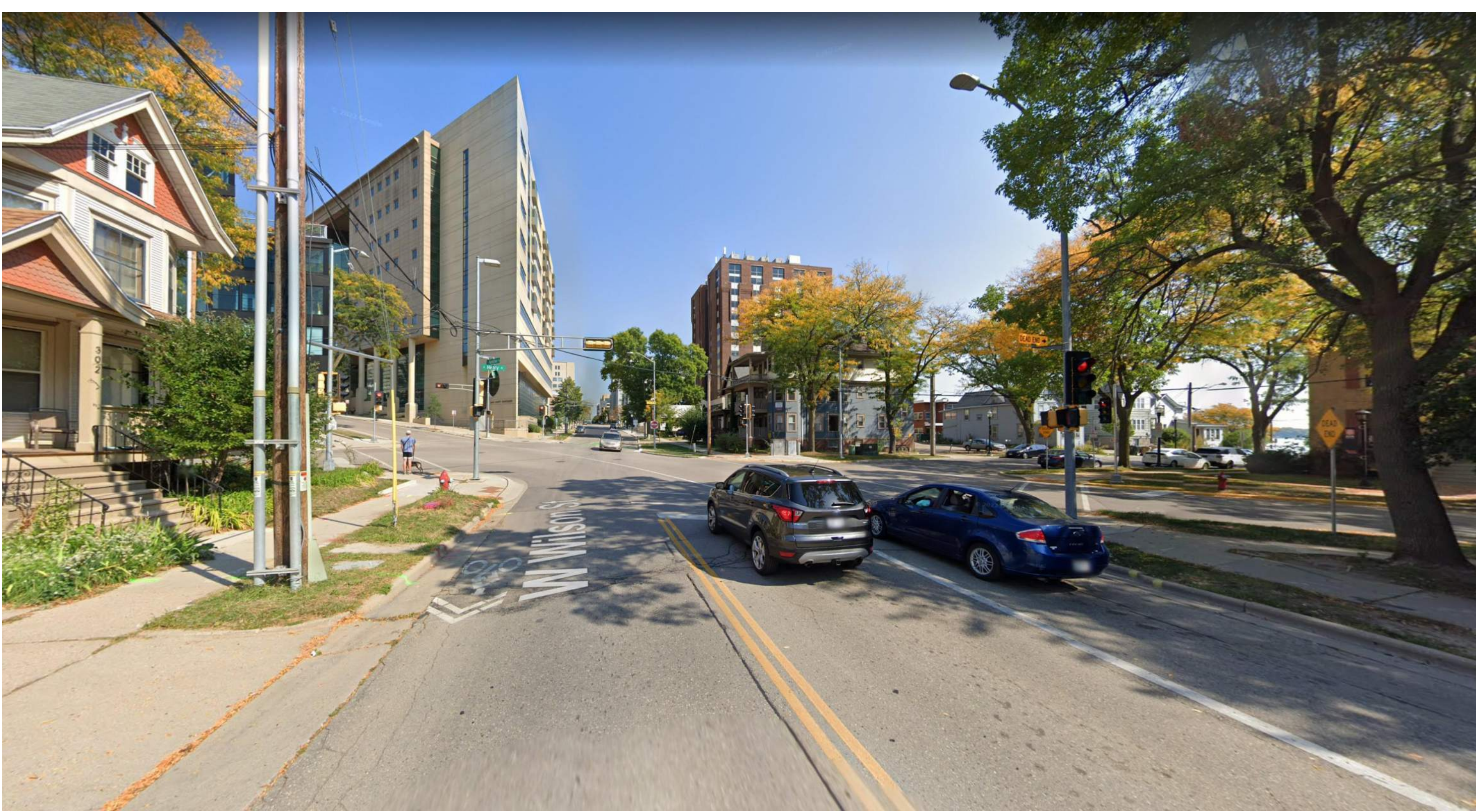
Enter address here
Location Map

Project Status	Project Number
Project number	Issue Date
Date	

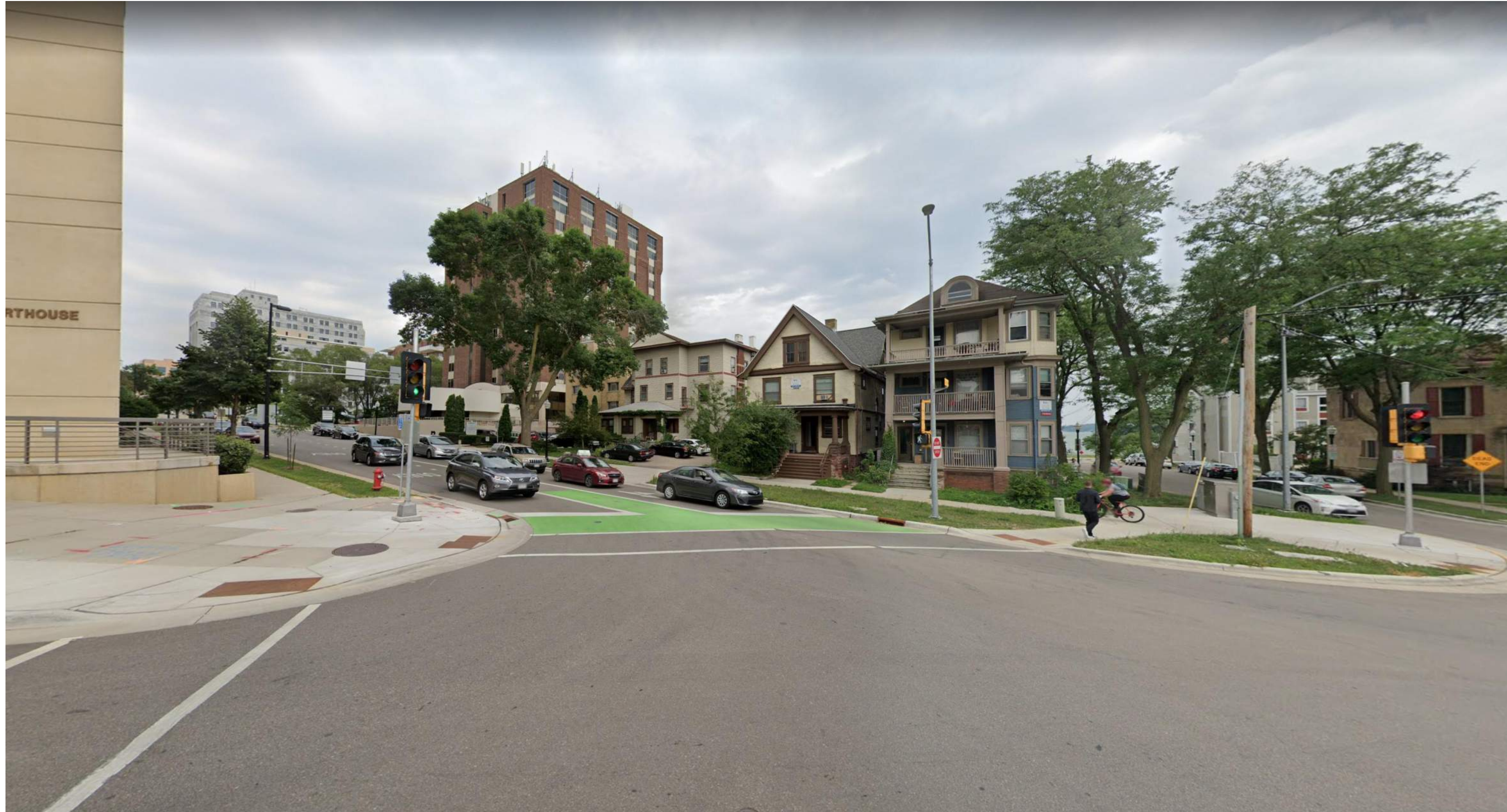
A001



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

No.	Description	Date

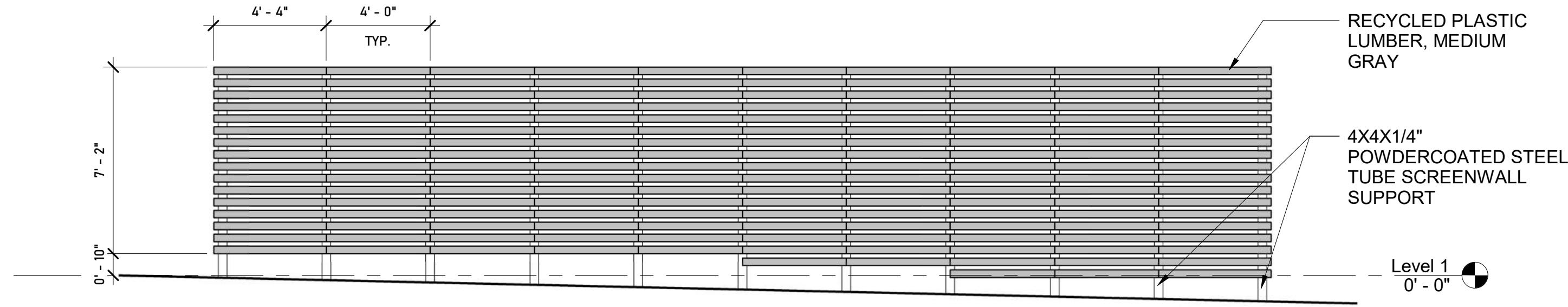
TORQUE COMPANIES

139 W. WILSON

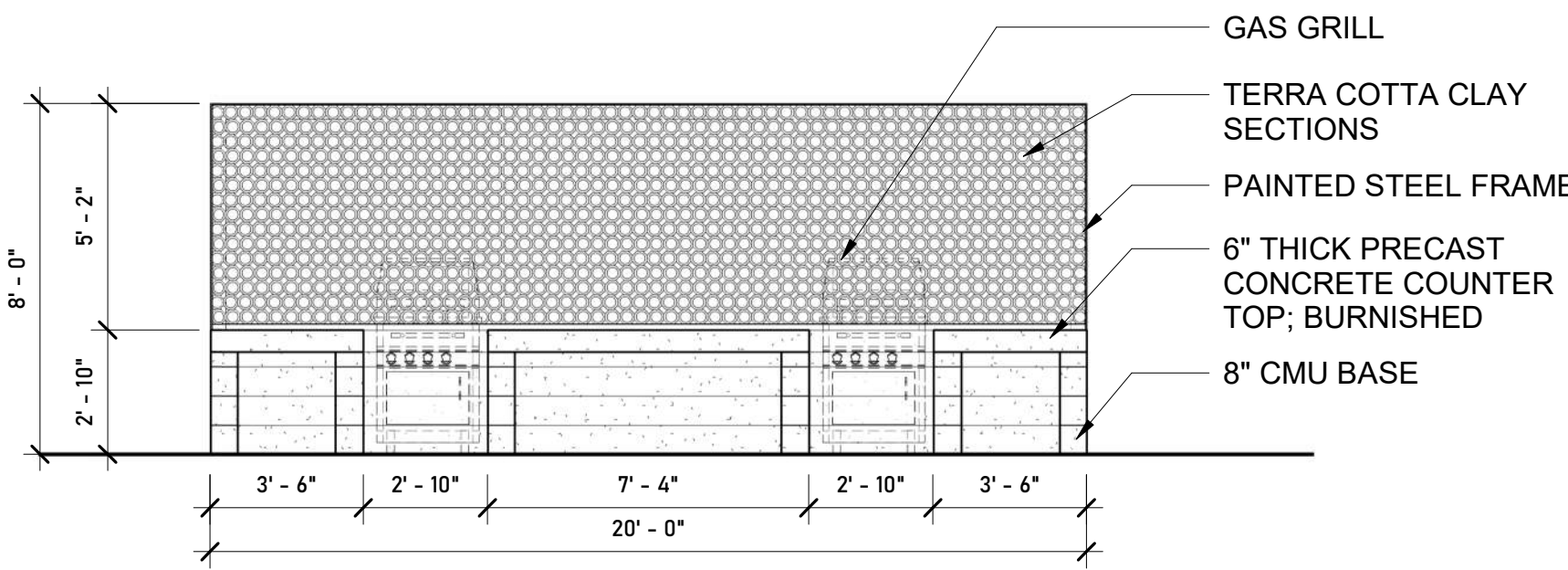
Enter address here

Context Photos

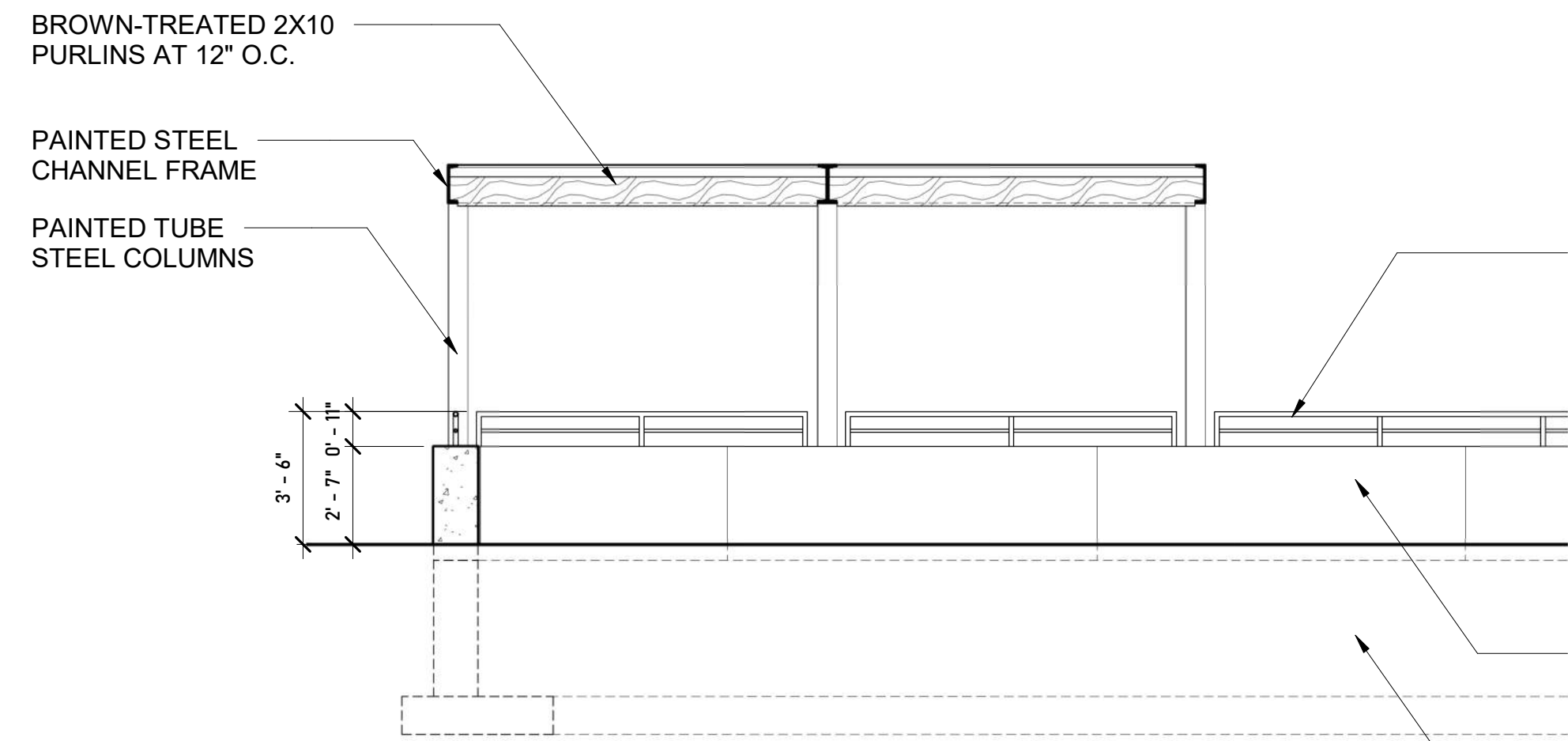
Project Status	Project Number
Project number	Project Number
Date	Issue Date



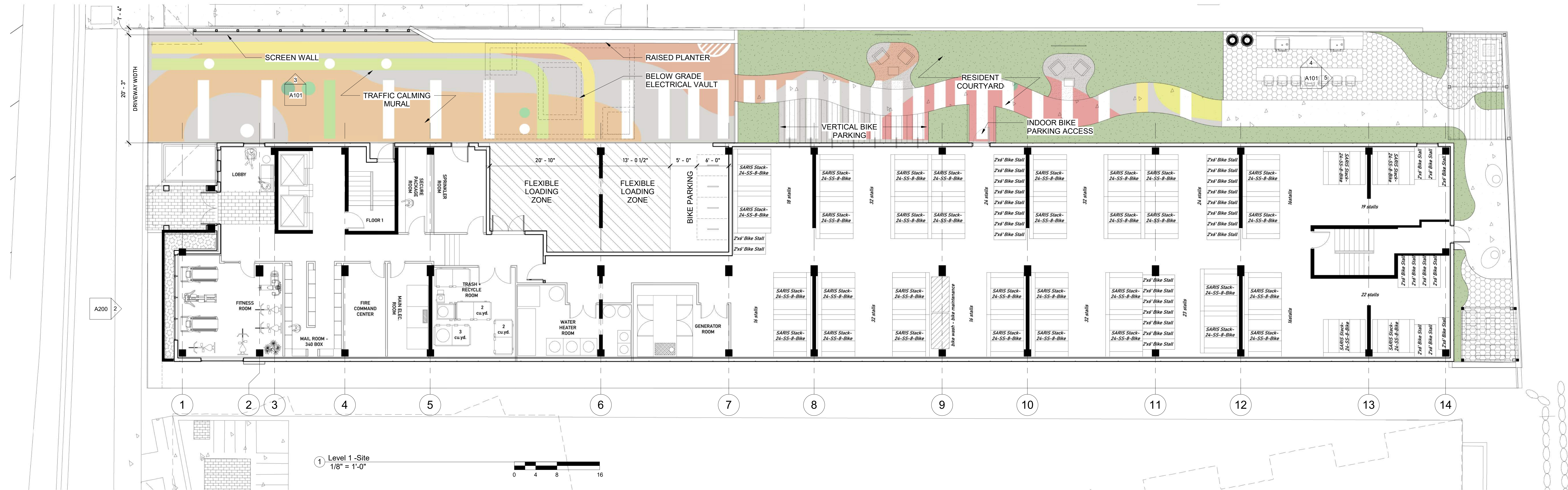
3 SCREEN WALL
1/4" = 1'-0"



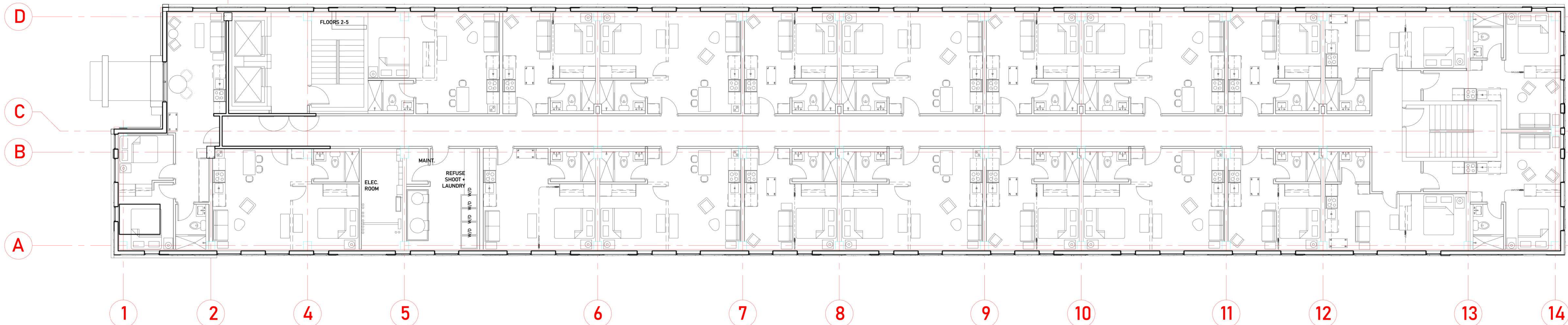
4 GRILL STATION
1/4" = 1'-0"



5 PERGOLA SECTION AND UARDRAIL
ELEVATION
1/4" = 1'-0"



1 Level 1 -Site
1/8" = 1'-0"



2 Levels 2-4
1/8" = 1'-0"

No.	Description	Date

TORQUE
COMPANIES

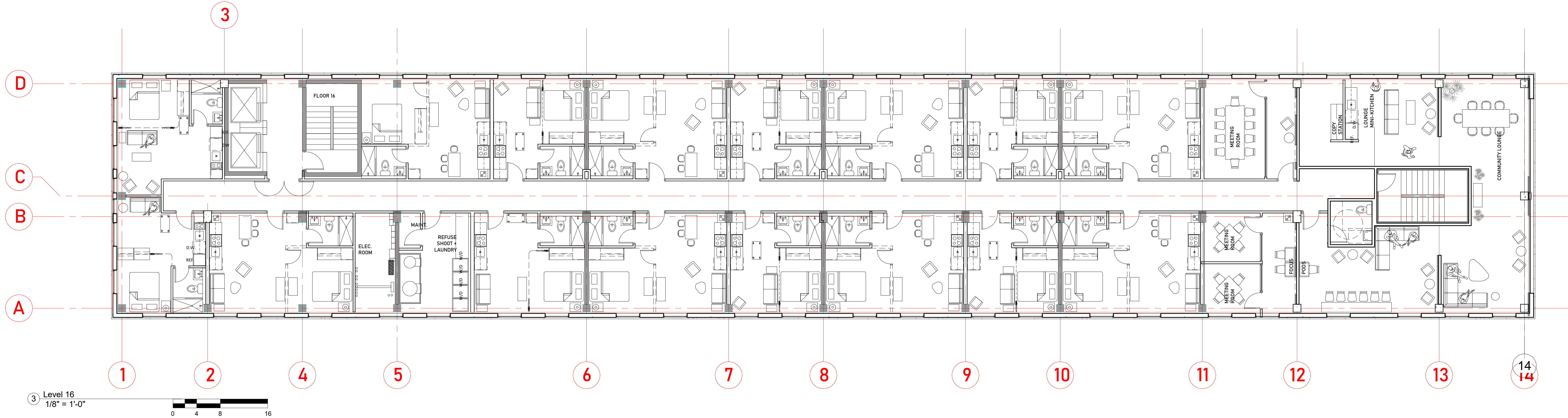
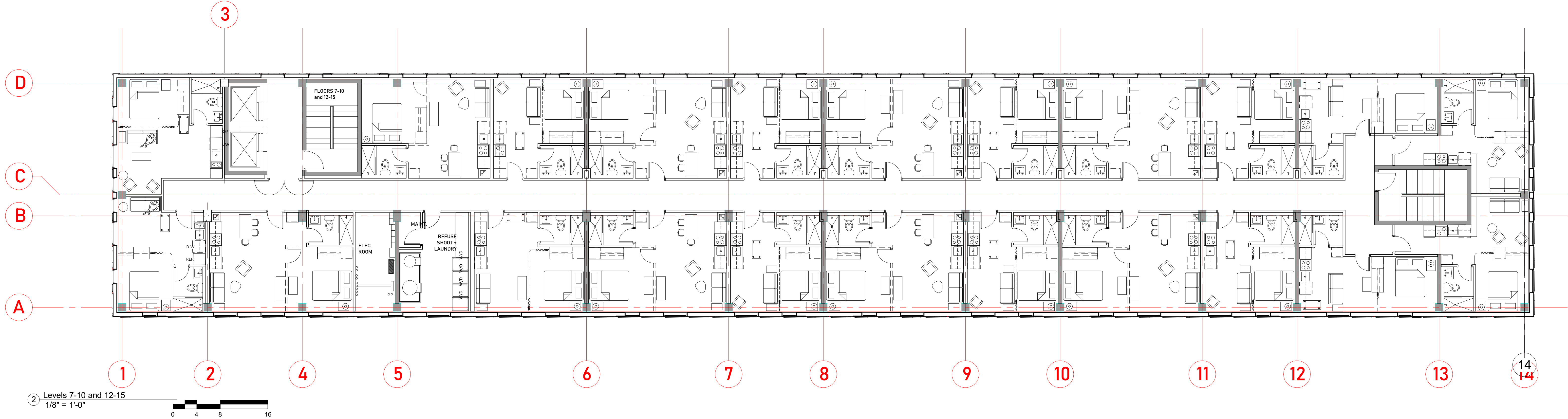
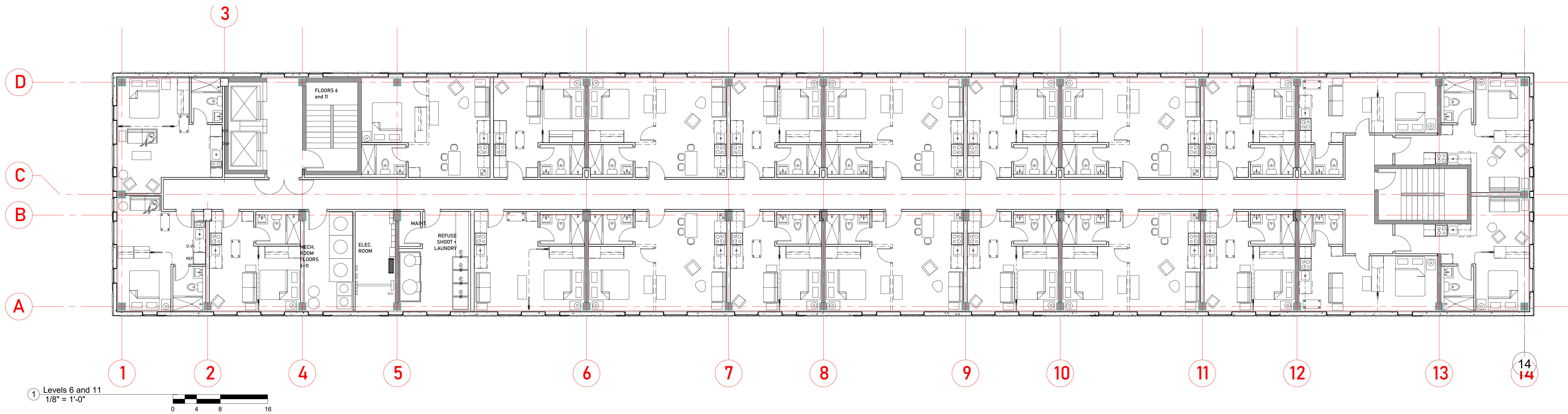
139 W. WILSON

Enter address here

SITE PLAN, SITE
DETAILS AND FLOOR
PLANS

Project Status	Project Number
Project number	Issue Date
Date	

A101



No.	Description	Date

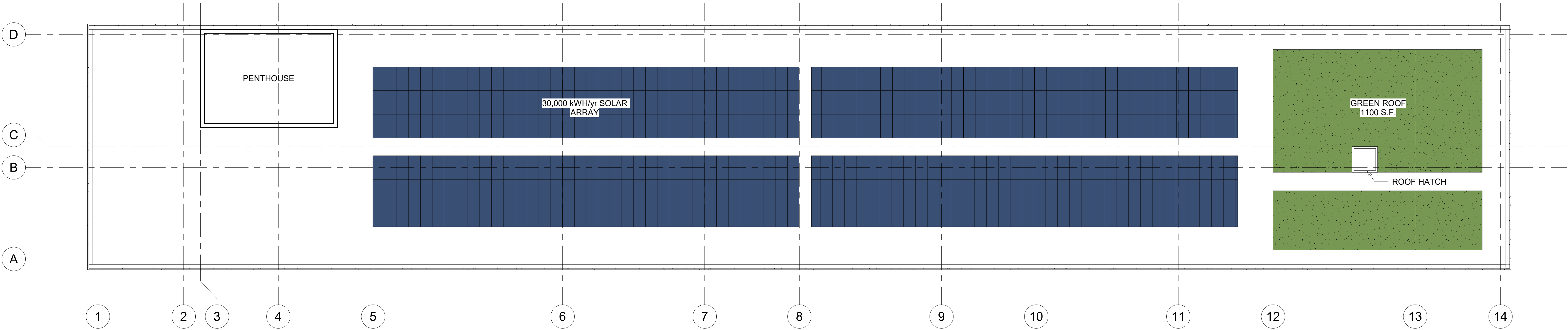
TORQUE
COMPANIES

139 W. WILSON

Enter address here
FLOOR PLANS

Project Status	Project Number	Project Number
Project number		
Date		Issue Date

A102



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

No.	Description	Date

TORQUE
COMPANIES

139 W. WILSON

Enter address here

Roof Plan

Project Status	
Project number	Project Number
Date	Issue Date

A103

micro C

micro B



micro A



No.	Description	Date

TORQUE
COMPANIES

139 W. WILSON

Enter address here

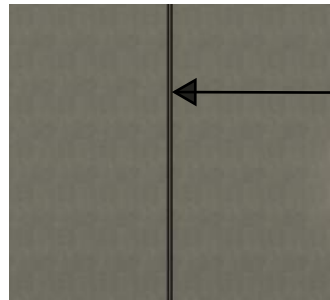
UNIT PLAN
TYPICALS

Project Status	Project Number
Project number	Issue Date
Date	

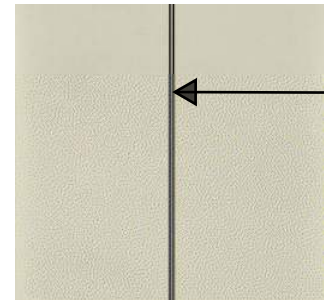
A104

MATERIALS LEGEND

GRAY PRECAST
CONCRETE



OFF-WHITE
PRECAST
CONCRETE



EMBOSSED
GEOMETRIC PRECAST
CONCRETE



WINDOW / ACCENT
PANEL



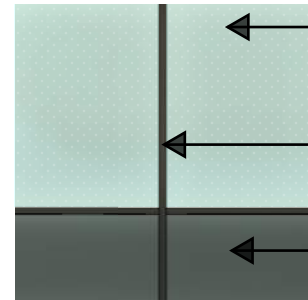
BLACK
ANODIZED
ALUMINUM
WINDOW
WALNUT
GRAIN ALUM.
PANEL

ILLUMINATED GRAPHIC
FEATURE WALL



PRINTED
GLASS:
ILLUMINATED

ALUMINUM
STOREFRONT



BIRDSAFE GLASS;
2% DOT FRIT
SCREENPRINT
BLACK ANODIZED
FRAME
OPAQUE
SPANDREL
PANEL

WINDOW WITH
LOUVER



GLAZED
OPENING

LOUVER



① South
1/8" = 1'-0"



② North
1/8" = 1'-0"



No.	Description	Date

TORQUE
COMPANIES

139 W. WILSON

Enter address here

North & South
Elevations

Project Status	
Project number	Project Number
Date	Issue Date

A200

MATERIALS LEGEND

GRAY PRECAST CONCRETE

OFF-WHITE PRECAST CONCRETE

EMBOSSED GEOMETRIC PRECAST CONCRETE

WINDOW / ACCENT PANEL

ILLUMINATED GRAPHIC FEATURE WALL

ALUMINUM STOREFRONT

WINDOW WITH LOUVER



No.	Description	Date

TORQUE
COMPANIES

139 W. WILSON

Enter address here

East Elevation

Project Status	
Project number	Project Number
Date	Issue Date

A201



Parapet
163' - 9 1/2"

Roof
162' - 0"

Level 16
152' - 0"

Level 15
142' - 0"

Level 14
132' - 0"

Level 13
122' - 0"

Level 12
112' - 0"

Level 11
102' - 0"

Level 10
92' - 0"

Level 9
82' - 0"

Level 8
72' - 0"

Level 7
62' - 0"

Level 6
52' - 0"

Level 5
42' - 0"

Level 4
32' - 0"

Level 3
22' - 0"

Level 2
12' - 0"

Level 1
0' - 0"

No.	Description	Date

TORQUE
COMPANIES

139 W. WILSON

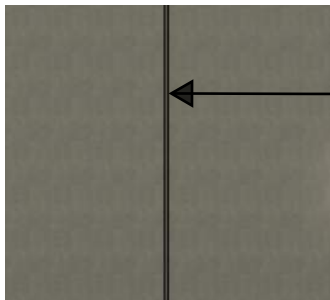
Enter address here

West Elevation

Project Status	
Project number	Project Number
Date	Issue Date

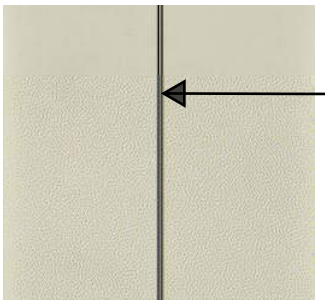
A202

GRAY PRECAST CONCRETE



1" REVEAL

OFF-WHITE PRECAST CONCRETE

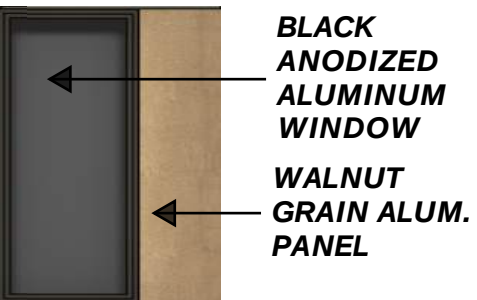


1" REVEAL

EMBOSSED GEOMETRIC PRECAST CONCRETE



WINDOW / ACCENT PANEL



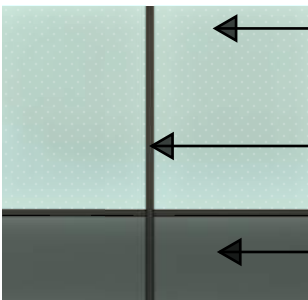
BLACK ANODIZED ALUMINUM WINDOW
WALNUT GRAIN ALUM. PANEL

ILLUMINATED GRAPHIC FEATURE WALL

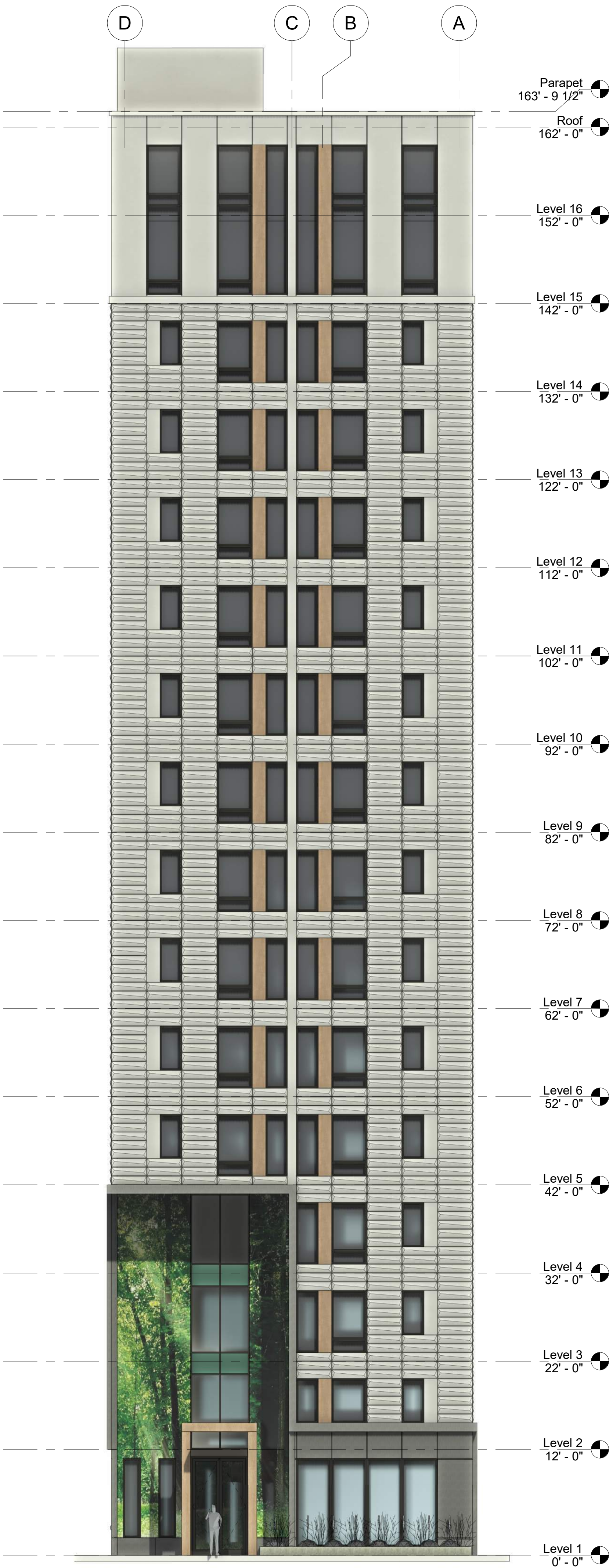


PRINTED GLASS; ILLUMINATED

ALUMINUM STOREFRONT



BIRDSAFE GLASS; 2% DOT FRIT SCREENPRINT
BLACK ANODIZED FRAME
OPAQUE SPANDREL PANEL



No.	Description	Date

TORQUE
COMPANIES

139 W WILSON

Enter address here

ELEVATION
OPTIONS

Project Status	Project Number
Project number	Project Number
Date	Issue Date

A203



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



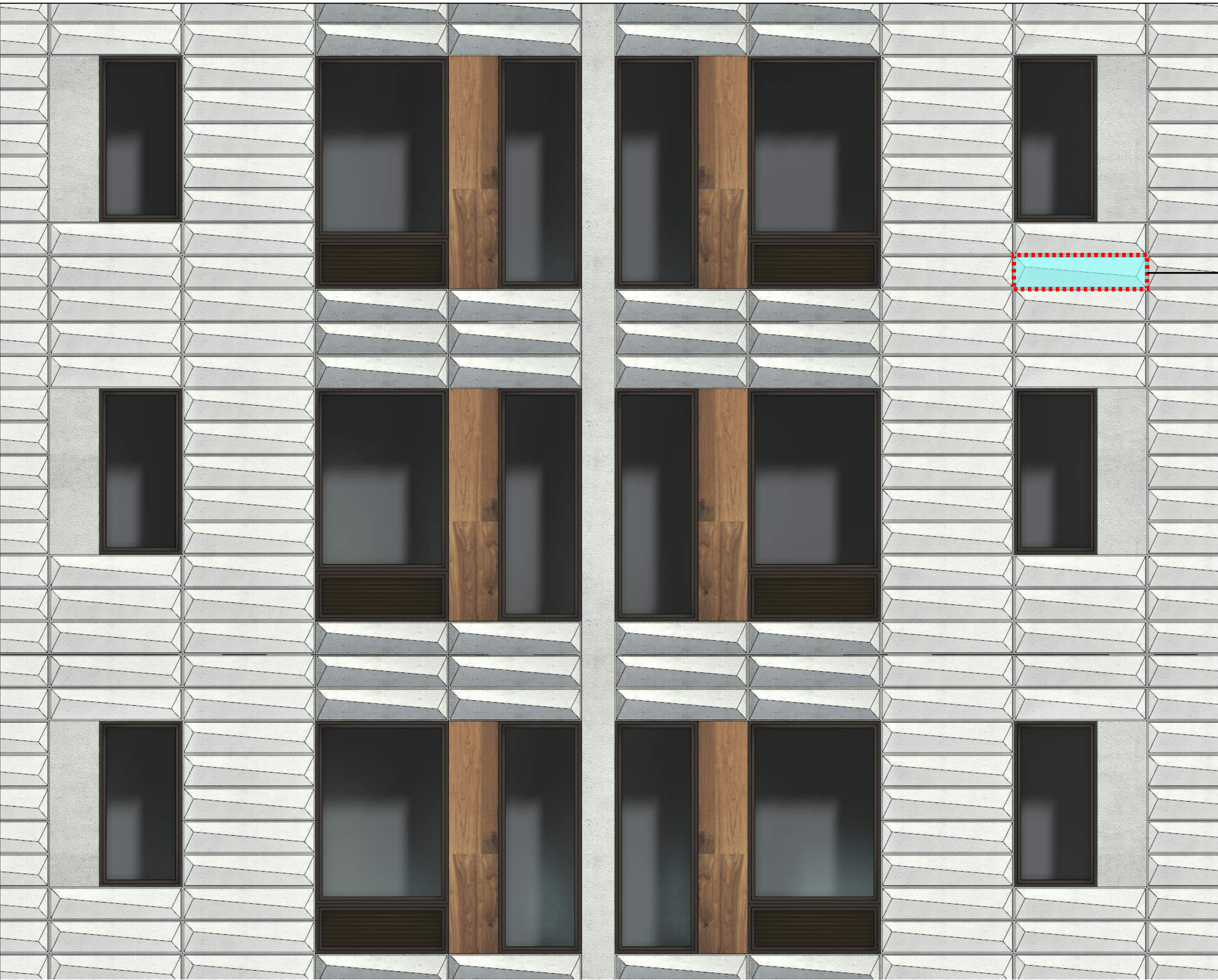
139 WEST WILSON

LAND USE APPLICATION
08/04/2025

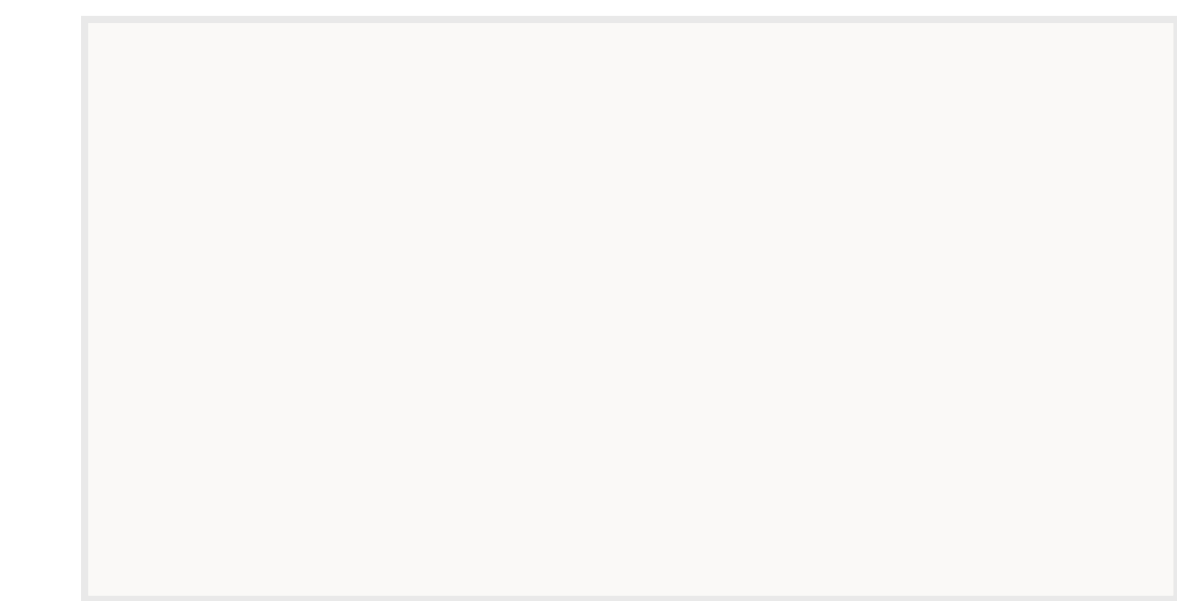
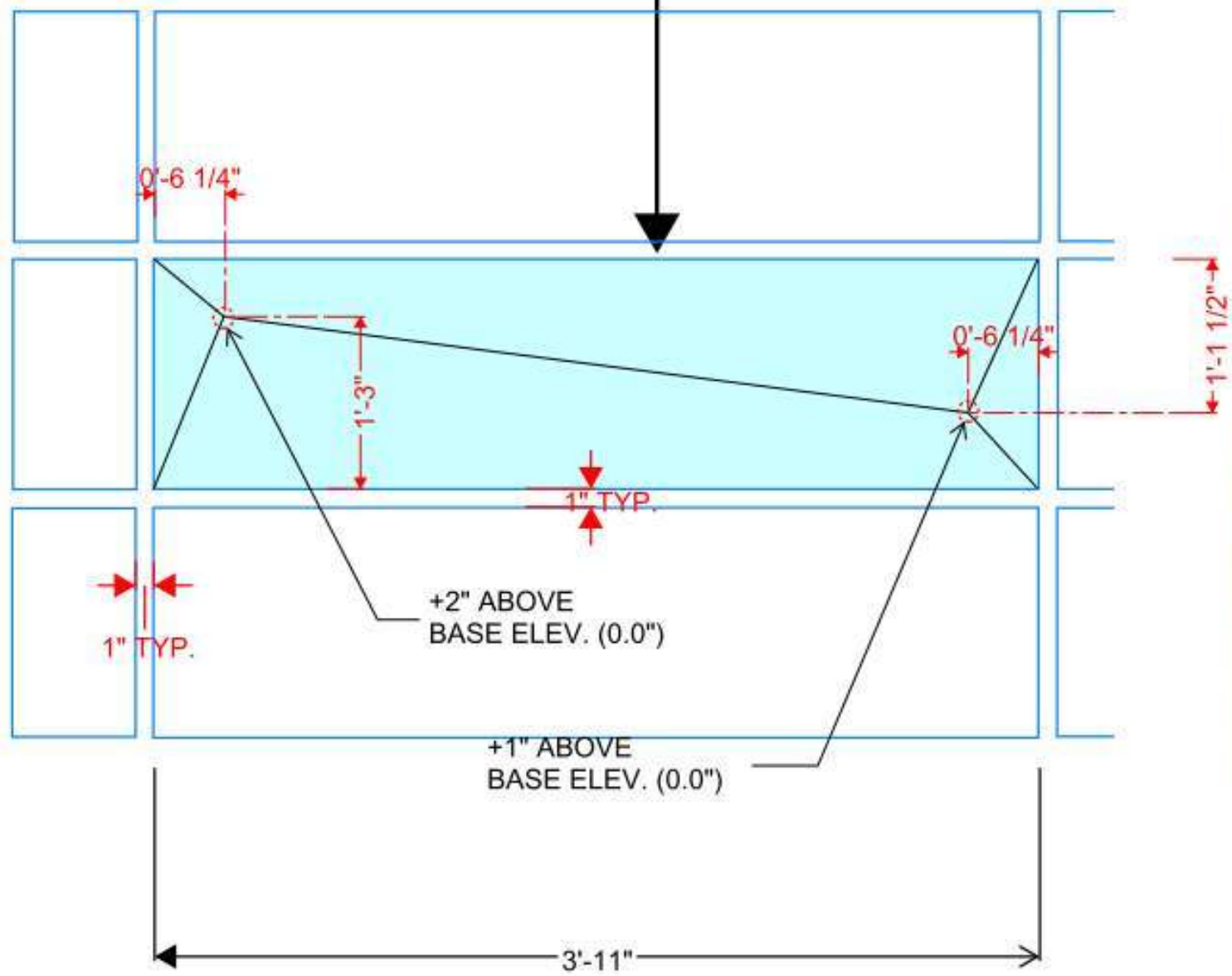


ENTRY OPTION 2





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.

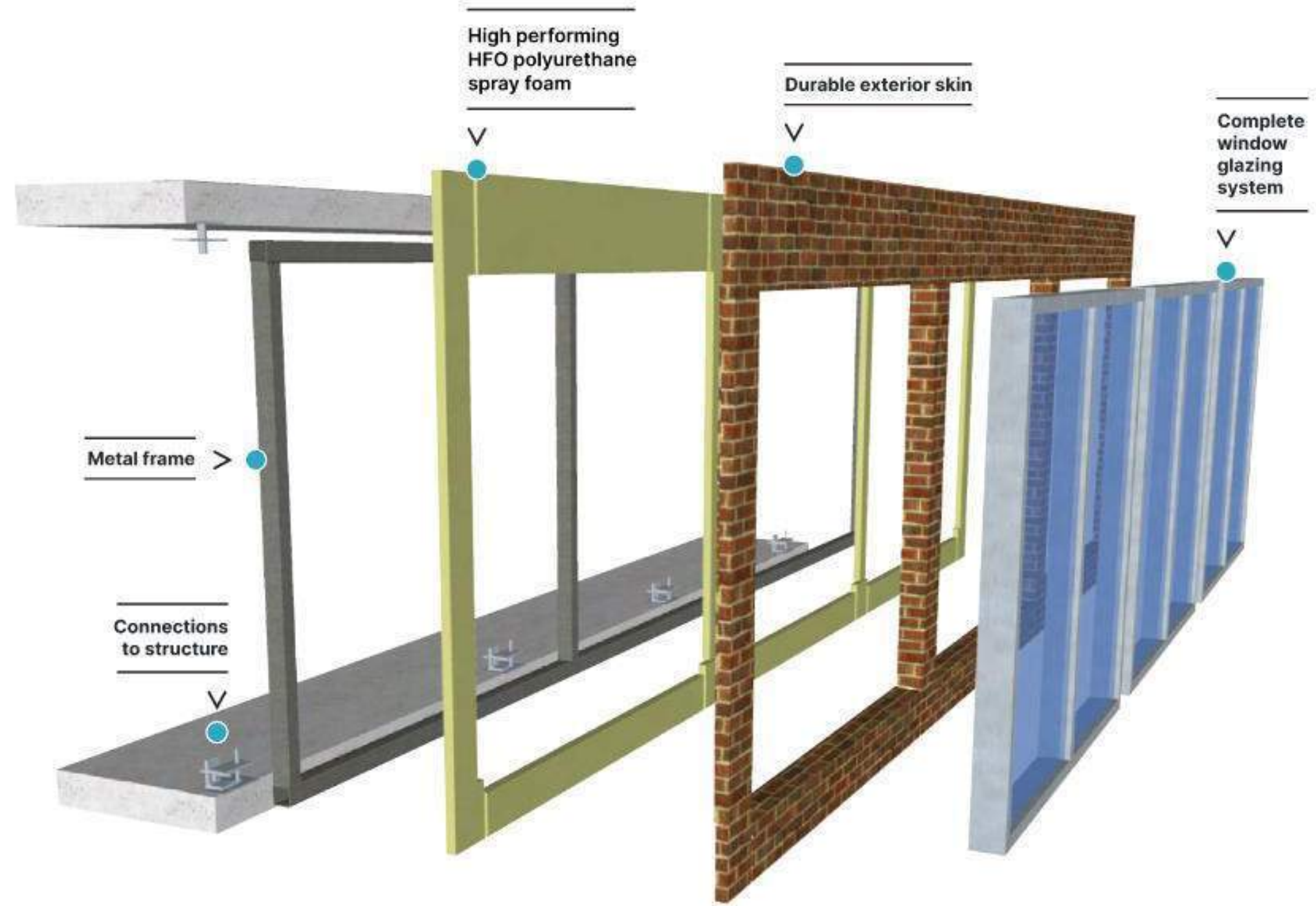
Within each large panel the surface contains multiple custom formed 1' H x 4' W facets.

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



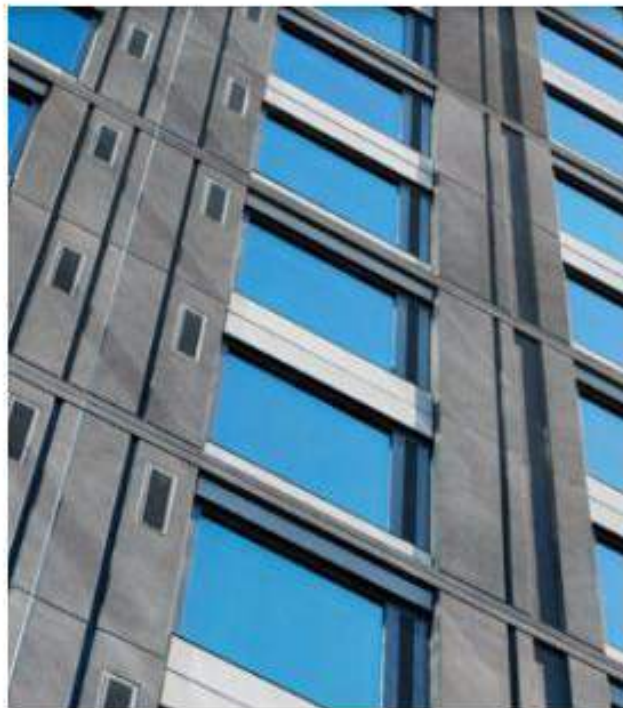
Complete wall shipped to site, craned in place and attached to structure, maximizing schedule efficiency.



WELLS
PRECAST | INNOVATORS

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. x 2 Choose your color scheme. x 3 Select your finish style.



No.	Description	Date

TORQUE
COMPANIES

139 W. WILSON

Enter address here

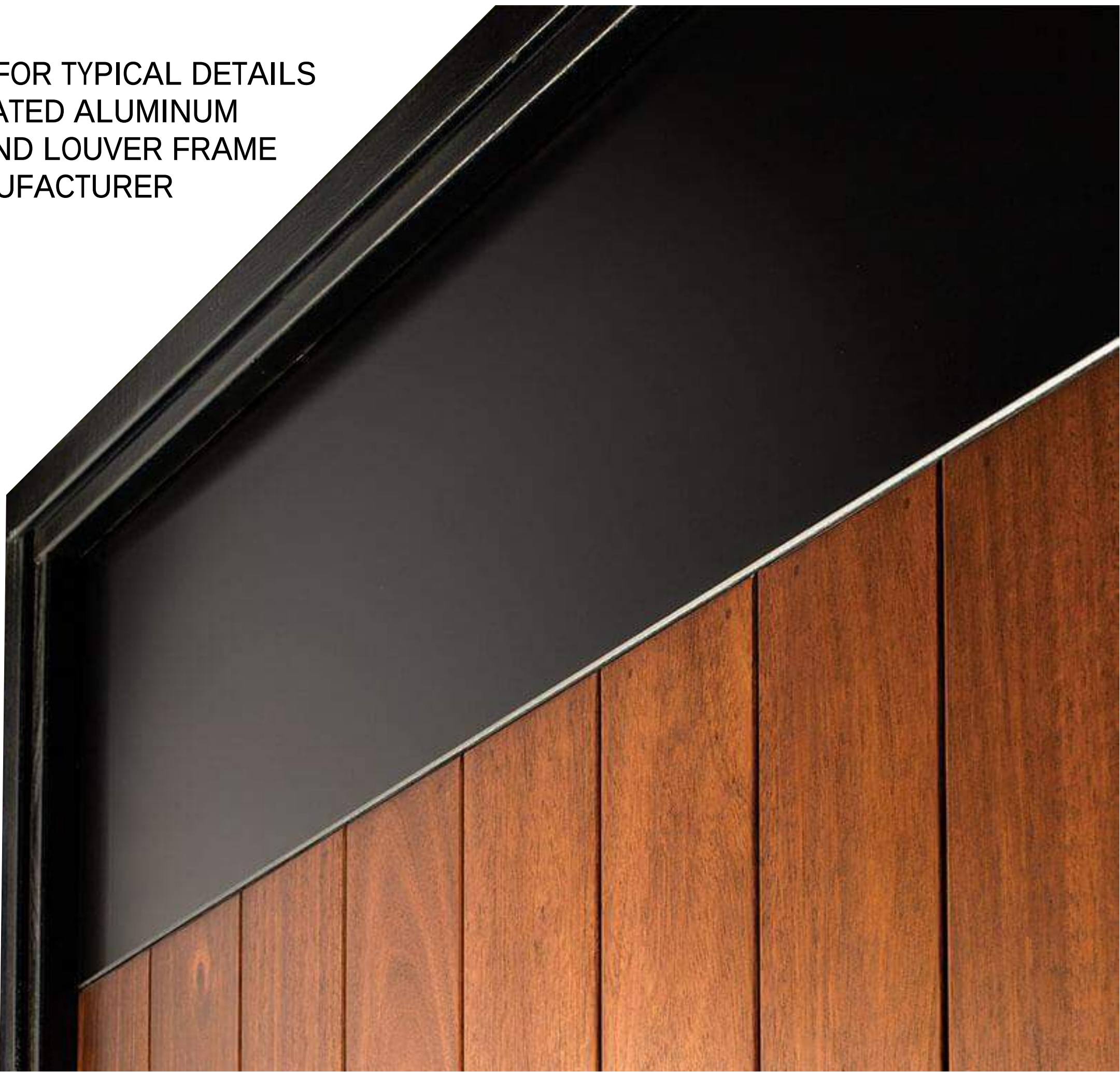
MATERIAL
DATA

Project Status	
Project number	Project Number
Date	Issue Date



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

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

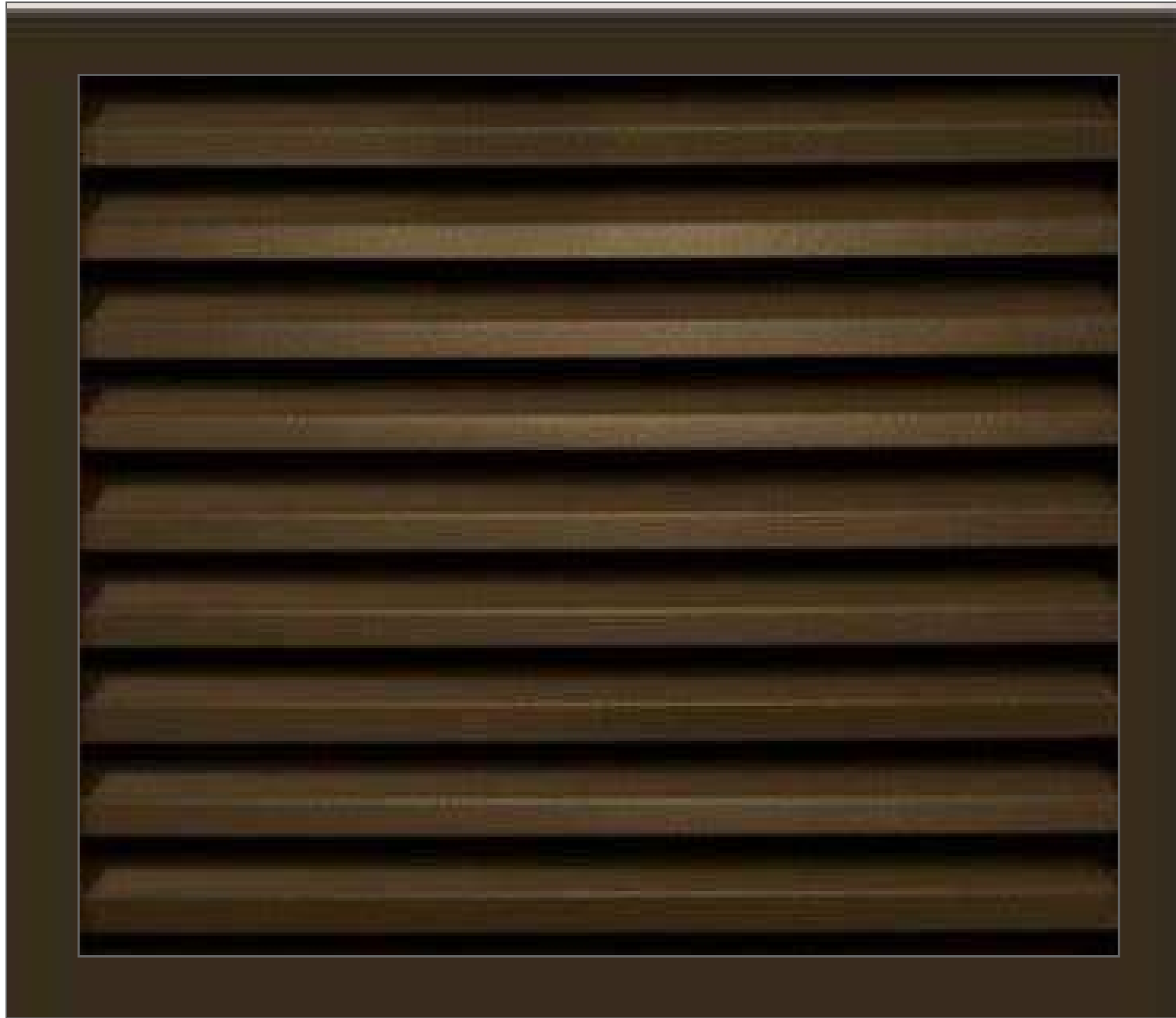


DARK BRONZE ALUMINUM NEXT TO TABLE WALNUT - 1 VERTICAL LONGBOARD

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 INTEGRSL WINDOW LOUVERS.

TONGUE & GROOVE CLADDING SYSTEM

March 2023

TYPICAL ISOMETRIC

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" Termination Set, Compression Joint (2x), 1-1/2" Flat Reveal Set, 1-1/2" U-Reveal Set, 1-1/2" T&G U-Reveal, 2" Offset Flat Reveal

Precision: 5/8" Starter, 3/4" Track, 3/4" Outside Corner, 5/8" J-Track, 5/8" Two Piece J-Track, 5/8" Termination Set, 1/2" Flat Reveal, 1/2" T&G Flat Reveal

T&G_US_RB_V3

FINISHES

Woodgrains, solid color, naturally aged metal, custom solid colour 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. Trims: 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)

TECHNICAL SPECIFICATIONS

PHYSICAL DATA

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

TESTING

ICC-ES Evaluation Report - Division: 07 00 00 Thermal and Moisture Protection
Section 07 46 00 - Siding
AAMA 509 Rainscreen, W1, V2
LARR - Los Angeles Department of Building Safety (LADBS) accepts ICC-ES reports as proof of compliance
Florida Product Code: FL20075
Miami Dade, Florida, Notice of Acceptance (NOA): NOA No. 22-0209.01
-Expiration Date: January 26, 2028
Impact testing: TAS 201
WUJ (The Wildland-Urban Interface) - California Department of Forestry & Fire Protection Office of the State Fire Marshal Listing No. 8340-2385/0500

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 (\$794 Pa) TAS 202, TAS 203

LONGBOARD
ARCHITECTURAL PRODUCTS

info@longboardproducts.com
longboardproducts.com
800 604 0343

No.	Description	Date

TORQUE COMPANIES

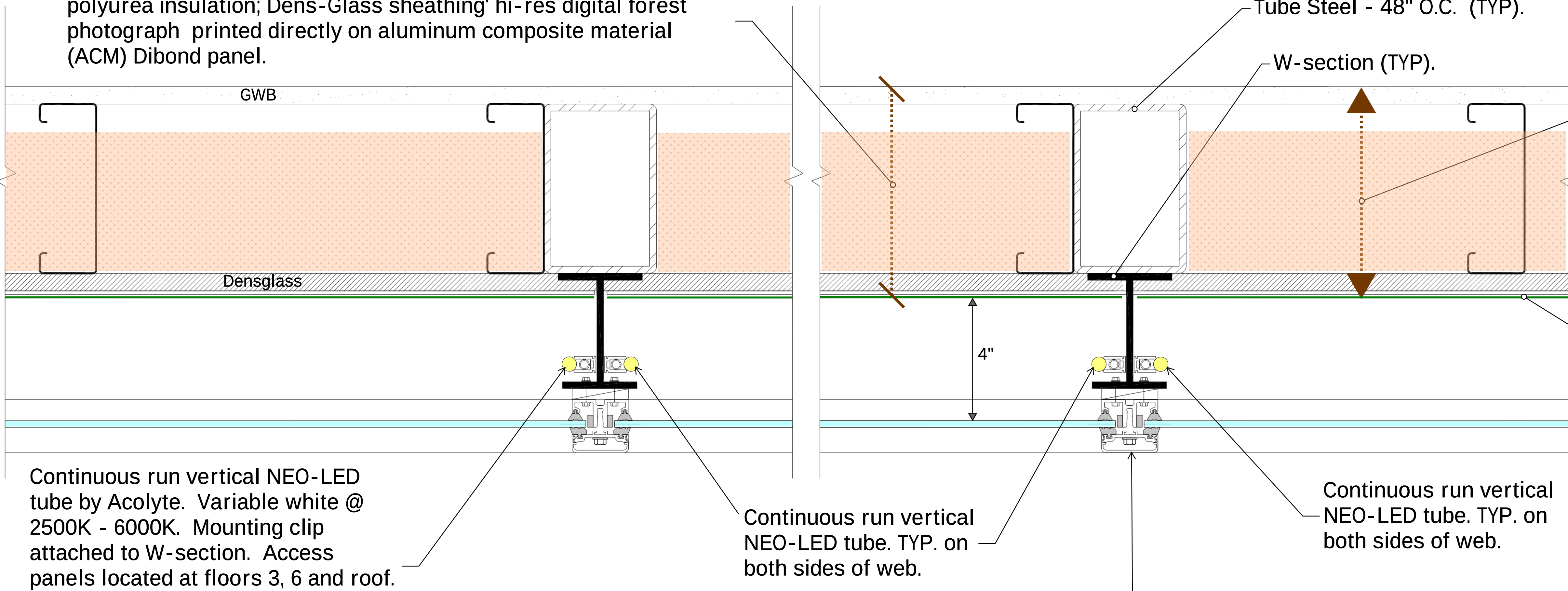
139 W. WILSON

Enter address here

MATERIAL DATA

Project Status	Project Number
Project number	Issue Date
Date	

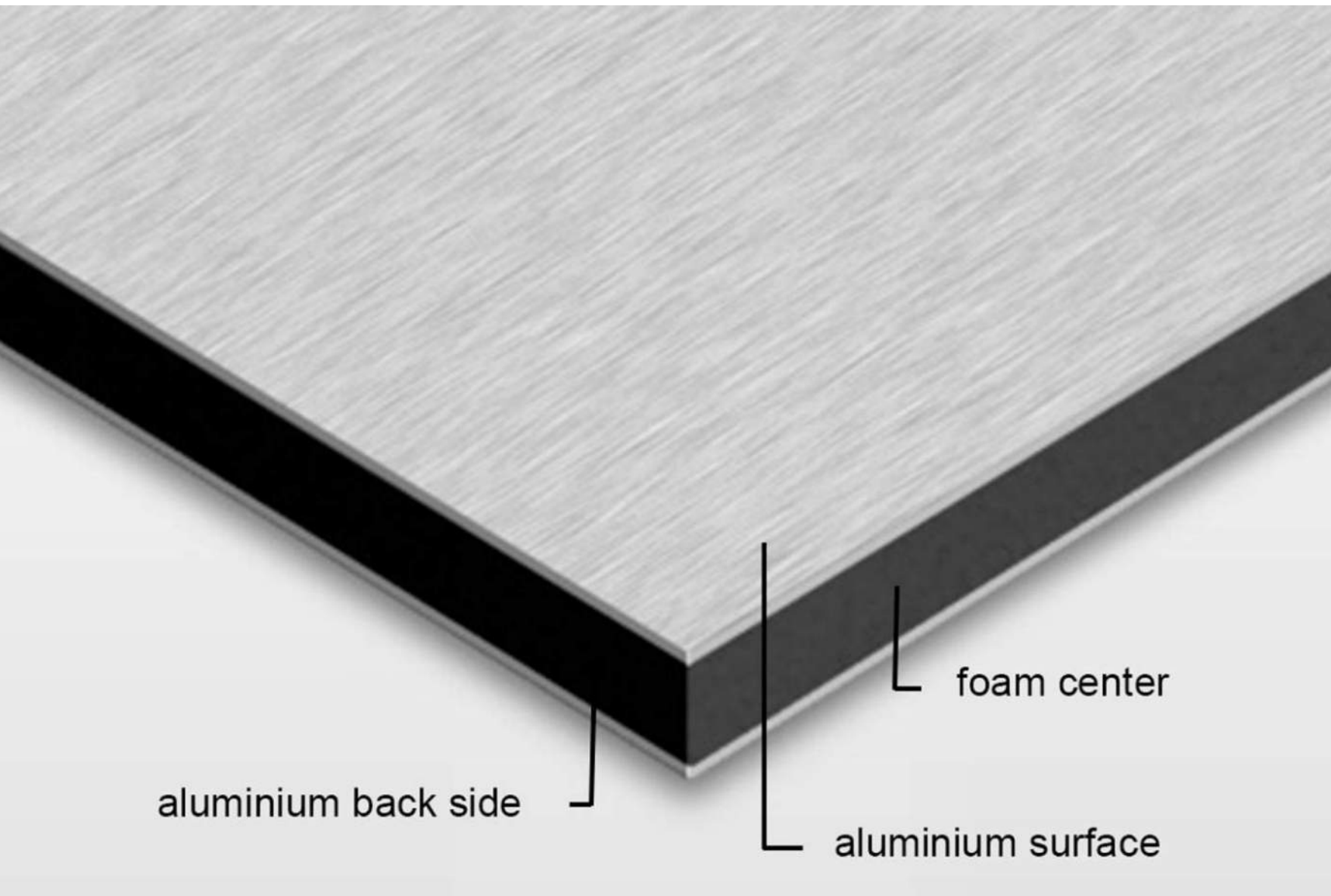
EXTERIOR WALL ASSEMBLY: 5/8" Type 'X' GWB" 6" metal studs; polyurea insulation; Dens-Glass sheathing' hi-res digital forest photograph printed directly on aluminum composite material (ACM) Dibond panel.



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)

3mm Di-bond panel with forest graphic printed directly on aluminum using waterproof, UV-cured inks.



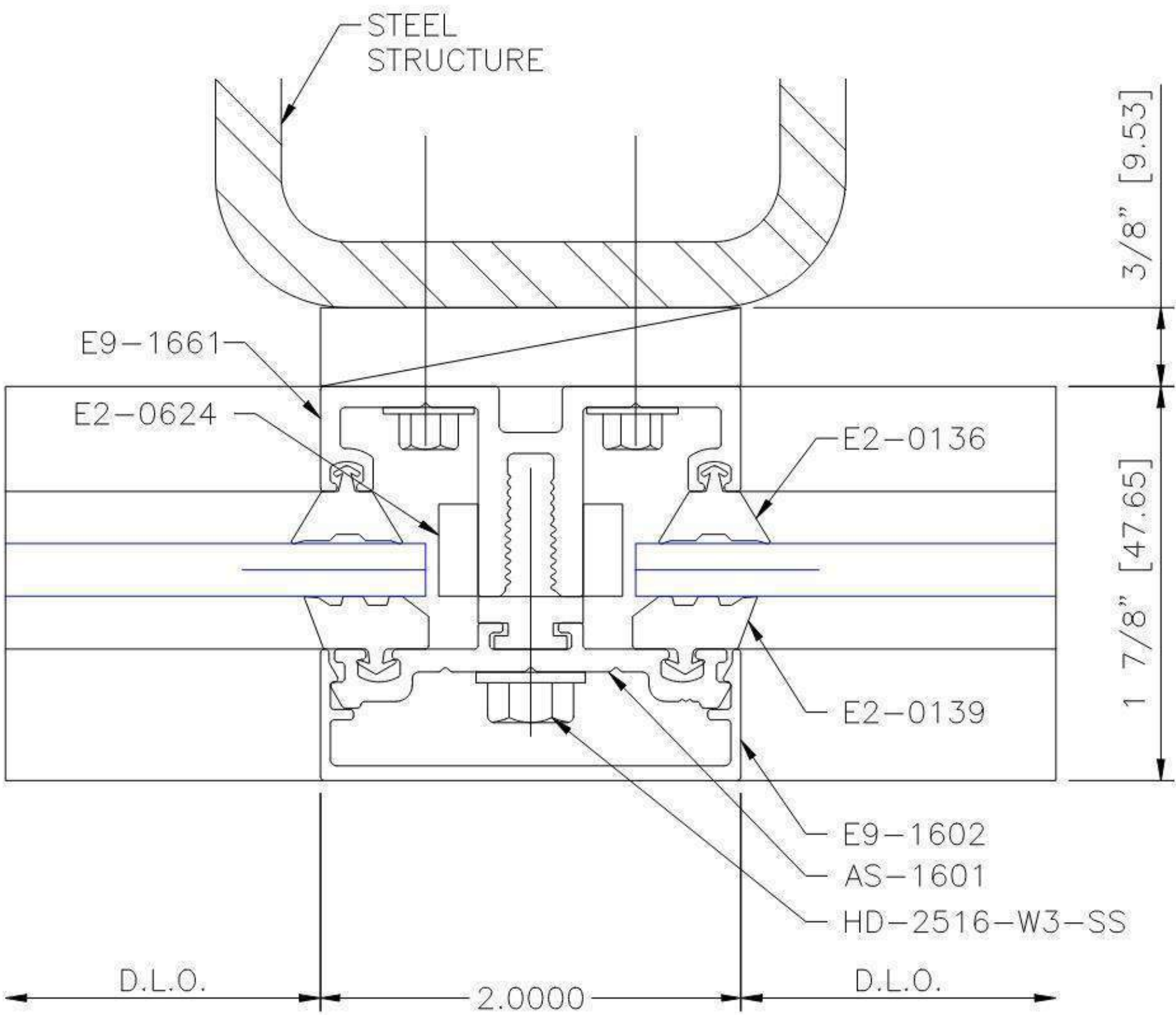
3 3mm (1/8").DiBond-Aluminum Composite material (ACM).



4 Example of direct print (ACM).

YKK AP America Inc.
YCW VENEER WALL - VENEER CURTAIN WALL SYSTEM
VERTICAL MULLION DETAIL

YKK
AP



YCW Veneer curtain wall system by YKK AP America. 48" x 120" 1/4" clear tempered glass panels set in vertical and horizontal 2" wide black anodized aluminum capture system as shown.

NOTE:
Internally lit wall to use Acolyte LED neon tubes. proposed in variable white (2400K - 6000K) for flexibility in final effect.
See Sheet A302.1 and A300 for more information on design proposal.

2 Curtain wall - Mullion detail (TYP)

No.	Description	Date

TORQUE
COMPANIES

139 W. WILSON

Enter address here

ILLUMINATED
GRAPHIC DETAIL

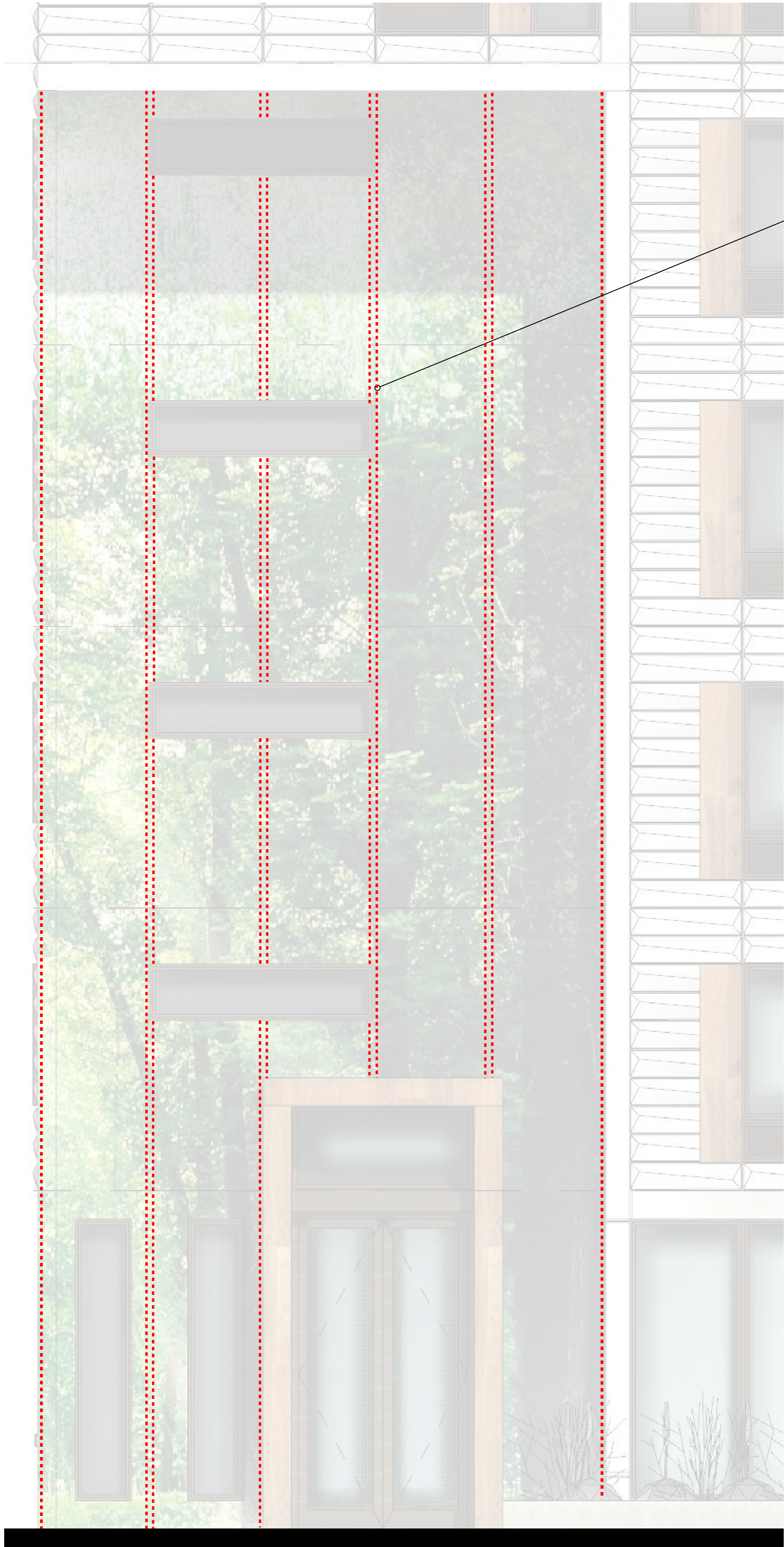
Project Status	Project Number	Issue Date
Project number		
Date		

FINAL DESIGN AND PHOTOMETRICS PENDING ENTRY
OPTION SELECTION

2" wide curtain
wall Mullions.
See details 1 and 2,
sheet A302



1 North Curtain wall Elevation



2 North Curtain wall LED light locations

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.

No.	Description	Date

TORQUE
COMPANIES

139 W. WILSON

Enter address here

ILLUMINATED
GRAPHIC DETAIL

Project Status	Project Number
Project number	Issue Date
Date	



streetbond®

StreetBond® Pro 220 and Pro 250

MMA Pavement Coating Systems

Fast cure. Bold color. Durable protection.

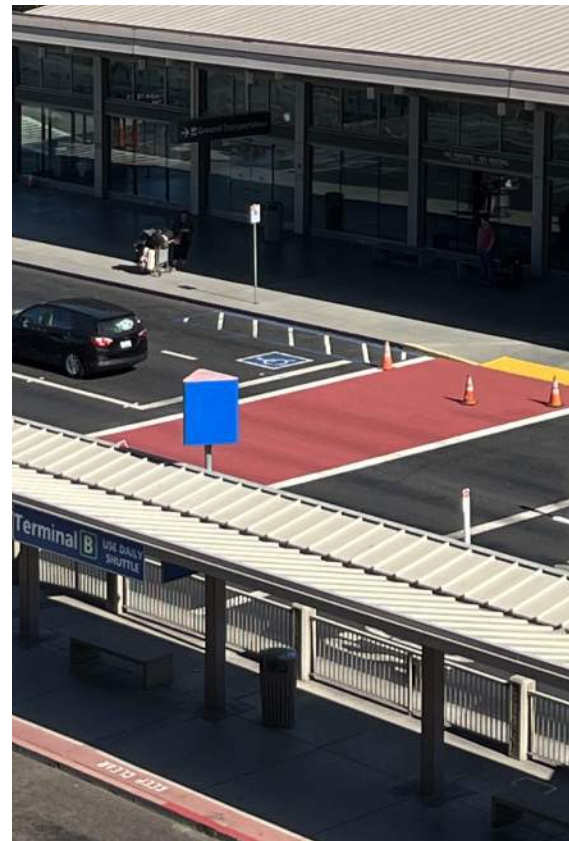
Transform and protect pedestrian and vehicular traffic surfaces from degradation and wear with StreetBond® Pro Pavement Coating — a liquid-applied, MMA resin-based system that provides bold, UV-stable color and anti-skid aggregates in a fast-curing formula.

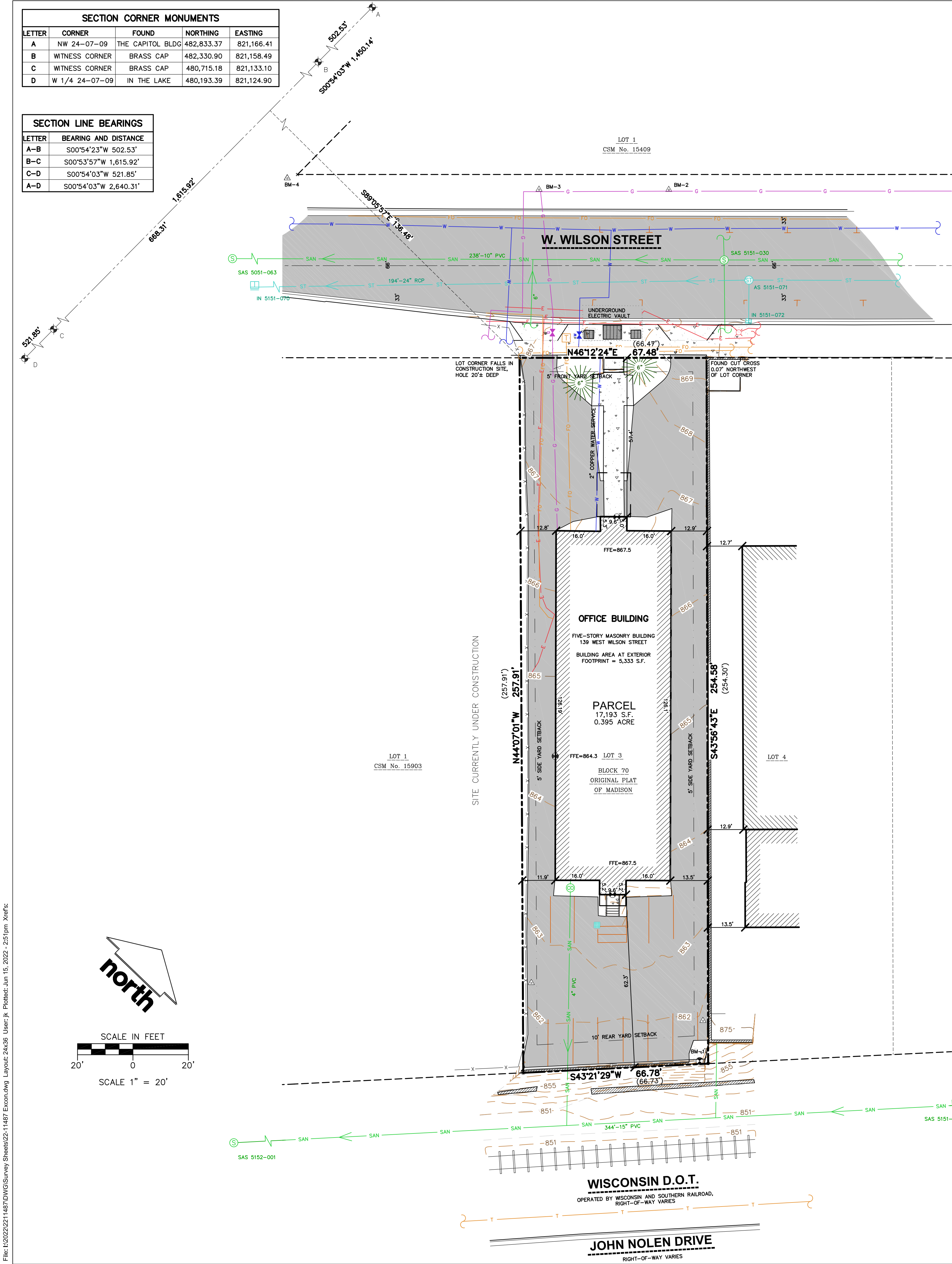
StreetBond® Pro Pavement Coating offers a broad palette of UV-stable colors for creative freedom and a quick cure time for fast return to service. High-reflectivity colors are available to reduce surface temperature. Plus, StreetBond® Pro Pavement Coating offers:

- 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





EXISTING CONDITIONS SURVEY

PART OF LOT 3, BLOCK 70, ORIGINAL PLAT OF MADISON, RECORDED IN VOLUME A OF PLATS, PAGE 3, AS DOCUMENT No. 102, DANE COUNTY REGISTRY, LOCATED IN THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 24, TOWNSHIP 07 NORTH, RANGE 09 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN.

- LEGEND
- GOVERNMENT CORNER
 - 1" IRON PIPE FOUND
 - CHISELED 'X' FOUND
 - 3/4" REBAR FOUND
 - CONTROL POINT
 - BENCHMARK
 - FINISHED FLOOR SHOT LOCATION
 - SIGN
 - SANITARY MANHOLE
 - CLEAN OUT
 - HYDRANT
 - WATER VALVE
 - STORM MANHOLE
 - SQUARE CASTED INLET
 - CURB INLET
 - GAS VALVE
 - LIGHT POLE
 - TELEPHONE PEDESTAL
 - CONIFEROUS TREE
 - PARCEL BOUNDARY
 - SECTION LINE
 - RIGHT-OF-WAY LINE
- CENTERLINE
- PLATTED LOT LINE
- SETBACK LINE
- FENCE LINE
- CONCRETE CURB & GUTTER
- SANITARY SEWER
- WATER LINE
- STORM SEWER
- NATURAL GAS
- UNDERGROUND ELECTRIC
- FIBER OPTIC
- UNDERGROUND TELEPHONE
- BUILDING
- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT
- PAVEMENT STRIPING
- END OF FLAGGED UTILITIES
- DENOTES RECORD DATA DEPICTING THE SAME LINE ON THE GROUND AS RETRACED BY THIS SURVEY

- NOTES
- FIELD WORK PERFORMED ON JUNE 08, 2022.
 - BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY. THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 24-07-09, RECORDED AS S00°54'01"W.
 - ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK IS A BRASS CAP IN CONCRETE MONUMENT FOR THE WITNESS CORNER TO THE WEST QUARTER CORNER OF SECTION 24-07-09, ELEVATION = 850.32'
 - CONTOUR INTERVAL IS ONE FOOT.
 - SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURFICIAL FEATURES AND APPURTENANCES, LOCATING DIGGERS HOTLINE FIELD MARKINGS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. DIGGER'S HOTLINE TICKET NO. 20222305367, WITH A START DATE OF JUNE 03, 2022.
 - UTILITY COMPANIES CONTACTED THRU DIGGERS HOTLINE:
 - CITY OF MADISON ENGINEERING
 - MADISON GAS AND ELECTRIC COMPANY (ELECTRIC AND GAS)
 - CHARTER COMMUNICATIONS
 - AMERICAN TRANSMISSION COMPANY
 - LEVEL 3 IS NOW CENTURYLINK
 - AT&T TRANSMISSION
 - AT&T DISTRIBUTION
 - TDS TELECOM
 - MCI
 - MADISON METROPOLITAN SEWERAGE DISTRICT
 - WINDSTREAM
 - WISCONSIN DEPARTMENT OF ADMINISTRATION-DIVISION OF ENTERPRISE TECHNOLOGY
 - BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511.
 - JSD PROFESSIONAL SERVICES, INC. DOES NOT GUARANTEE THAT BENCHMARKS LISTED ON THIS MAP HAVE NOT BEEN DISTURBED SINCE THE DATE OF THIS SURVEY AND SHALL BE VERIFIED BEFORE BEING UTILIZED.
 - THIS PARCEL IS ZONED URBAN MIXED-USE DISTRICT (UMX) PER THE CITY OF MADISON ZONING MAP.
 - LOT AREA-3,000 SQUARE FEET
 - LOT WIDTH-30 FEET
 - MINIMUM FRONT YARD SETBACK-5 FEET
 - SIDE YARD SET BACK-5 FEET
 - REAR YARD SETBACK-10 FEETCHECK WITH CITY ZONING DEPARTMENT FOR HEIGHT RESTRICTIONS AND SETBACKS PER BUILDING USE.
 - ROADWAY UTILITY RECORD DRAWINGS WERE REQUESTED FROM THE CITY OF MADISON. THE UTILITIES SHOWN REPRESENT FIELD LOCATED UTILITIES IN COMBINATION WITH THE SUPPLIED CITY RECORDS.

LEGAL DESCRIPTION

PART OF LOT 3, BLOCK 70, ORIGINAL PLAT OF MADISON, RECORDED IN VOLUME A OF PLATS, ON PAGE 3, AS DOCUMENT No. 102, LOCATED IN THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 24, TOWNSHIP 07 EAST, RANGE 09 NORTH, CITY OF MADISON, DANE COUNTY, WISCONSIN.

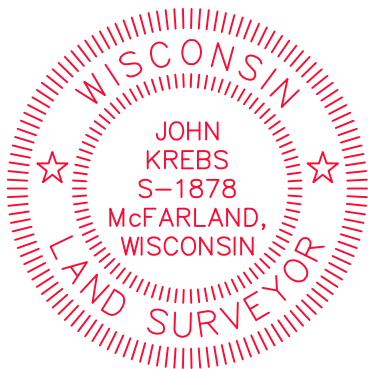
TAX KEY NO. 251/0709-242-0124-0

SURVEYOR'S CERTIFICATE

I, JOHN KREBS, WISCONSIN PROFESSIONAL LAND SURVEYOR NO. S-1878, HEREBY CERTIFY THAT UNDER THE DIRECTION OF SEA DESIGN THIS SURVEY AND MAP HAS BEEN PREPARED AND COMPLIES WITH WISCONSIN ADMINISTRATIVE CODE A-E7 AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF IN ACCORDANCE WITH THE INFORMATION PROVIDED.

JOHN KREBS, S-1878
PROFESSIONAL LAND SURVEYOR

DATE



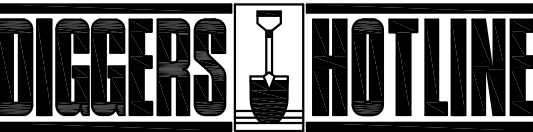
STORM SEWER MANHOLES					
STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
AS 5151-071	870.68	NE	863.18	24"	RCP
		SE	866.92	12"	RCP
		SW	863.18	24"	RCP

STORM SEWER INLETS					
INLET ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
INL 5151-072	869.99	NW	867.09	12"	RCP
INL 5151-070	863.44	NE	855.15	24"	RCP
		SW	855.15	24"	RCP

BENCHMARKS		
BENCH MARK	ELEVATION	DESCRIPTION
BM-1	862.06	CHISELED 'X' IN CONCRETE RETAINING WALL
BM-2	870.68	CHISELED 'X', NORTH SIDE OF W. WILSON STREET
BM-3	868.69	CHISELED 'X', NORTH SIDE OF W. WILSON STREET
BM-4	865.89	CHISELED 'X', NORTH SIDE OF W. WILSON STREET

*JSD DOES NOT GUARANTEE THAT THE BENCHMARK ELEVATIONS LISTED ON THIS MAP HAVE NOT BEEN DISTURBED SINCE THE DATE OF THIS SURVEY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES.

SANITARY SEWER MANHOLES					
STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
SAS 5151-013	850.76	NE	845.14	15"	PVC
		SW	845.12	15"	PVC
SAS 5152-022	851.47	NE	844.74	15"	PVC
		NW	846.44	12"	PVC
SAS 5151-030	870.66	SW	844.71	15"	PVC
		NE	860.06	10"	PVC
		SE	861.01	8"	PVC
		NW	860.86	8"	PVC
SAS 5051-063	862.65	NE	860.01	10"	PVC
		N	851.10	10"	PVC
		N	851.33	8"	PVC
		NE	856.92	8"	PVC
		NE	851.50	8"	PVC
		SE	851.00	12"	PVC



CREATE THE VISION TELL THE STORY

jsdinc.com

MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:

SEA DESIGN

CLIENT ADDRESS:

N3302 SOUTH OAKLAND
FORT ATKINSON, WI 53538

PROJECT:

139 W. WILSON STREET

PROJECT LOCATION:

139 W. WILSON STREET
CITY OF MADISON
DANE COUNTY, WISCONSIN

MODIFICATIONS:

#	Date:	Description:
1		
2		
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13		
14		
15		

Prepared By: JK 06/14/22
Reviewed By: TJB 06/15/22
Approved By: TJB 06/15/22

SHEET TITLE:

EXISTING
CONDITIONS
SURVEY

SHEET NUMBER:

1 OF 1

PROJECT NO:

22-11487

GENERAL NOTES

1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
2. 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.
3. EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
4. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
5. 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

1. THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY/RECONNAISSANCE, "DIGGERS' HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVE GROUND OBSERVATION, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY 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. JSD TAKES NO 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.
2. CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
3. 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 GROUND TO PROPOSED SUBGRADE.
4. ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND APPURTENANCES. SALVAGE FOR RELOCATION, COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
5. ABANDONED/REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.
6. CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ADJUTING THE PROPERTIES, WHICH IS DAMAGED BY THE CONSTRUCTION, OR ANY SIDEWALK AND CURB AND GUTTER THAT THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - 7.1. EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - 7.2. VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
 - 7.3. NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
 - 7.4. NOTIFYING THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
8. 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.
9. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
10. CONTRACTOR TO COORDINATE PRIVATE UTILITY REMOVAL / ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. COORDINATION REQUIRED PRIOR TO CONSTRUCTION.
11. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED MUNICIPALITY RECYCLING PLAN.
12. ANY CONTAMINATED SOILS SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROVED LANDFILL.
13. ALL EXISTING UTILITIES TO BE FIELD LOCATED AND FLAGGED BY CONTRACTOR.
14. 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.
15. SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24, OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF MADISON SPECIFICATIONS.
16. WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.1.4.0 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF MADISON SPECIFICATIONS.
17. ALL PERIMETER 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.
18. BUILDING REMOVALS SHALL BE BY A QUALIFIED CONTRACTOR. CONTRACTOR TO FOLLOW ALL BUILDING REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS AND DISPOSE OF ALL BUILDING MATERIALS IN APPROPRIATE LANDFILLS. DEMOLISHED 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.
19. 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".
20. 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.
21. SECTION 28.185(9) REQUIRES THAT EVERY APPLICANT FOR A DEMOLITION OR REMOVAL APPROVAL THAT REQUIRES APPROVAL BY THE PLAN COMMISSION IS REQUIRED TO GET A REUSE AND RECYCLING PLAN APPROVED BY THE CITY RECYCLING COORDINATOR, BRYAN JOHNSON, AT STREETS@CITYOFMADISON.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 DOCUMENTS SHOWING 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

1. INSTALL PERIMETER SILT FENCE, INLET PROTECTION AND TEMPORARY CONSTRUCTION ENTRANCE.
2. STRIP AND STOCKPILE TOPSOIL, INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
3. CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AS NEEDED.
4. INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
5. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
6. PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
7. 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

1. GENERAL.
 - 1.1. 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.
 - 1.2. ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
 - 1.3. SURFACE PREPARATION - NOTIFY ENGINEER/OWNER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBGRADE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
 - 1.4. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPALITY REQUIREMENTS.
2. ASPHALTIC CONCRETE PAVING SPECIFICATIONS
 - 2.1. CODES AND STANDARDS - THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION. HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
 - 2.2. 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 APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. 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).
 - 2.3. GRADE CONTROL - ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
 - 2.4. CRUSHED AGGREGATE, BASE COURSE - THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS.
 - 2.5. BINDER COURSE AGGREGATE - THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460 AND 315, STATE HIGHWAY SPECIFICATIONS.
 - 2.6. SURFACE COURSE AGGREGATE - THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460 AND 465, STATE HIGHWAY SPECIFICATIONS.
 - 2.7. ASPHALTIC MATERIALS - THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.
3. CONCRETE PAVING SPECIFICATIONS
 - 3.1. CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE HIGHWAY SPECIFICATIONS.
 - 3.2. CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS.
 - 3.3. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER.
 - 3.4. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER.
 - 3.5. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
 - 3.6. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
4. PAVEMENT MARKING SPECIFICATIONS
 - 4.1. USE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT FOR STALL LINES.
 - 4.2. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.
 - 4.3. ALL PAVEMENT MARKINGS INCLUDING: STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STALL LINES, ADA STALL MARKINGS, NO PARKING ZONES, DROP-OFF/PICK-UP ZONES SHALL BE PAINTED WITH LATEX PAINT PER SPECIFICATIONS.
 - 4.4. 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.

GRADING AND SEEDING NOTES

1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
3. PARKING LOT AND DRIVEWAY ELEVATIONS ARE PAVEMENT GRADES, NOT TOP OF CURB GRADES, UNLESS OTHERWISE NOTED.
4. ANY WORK WITHIN RIGHT-OF-WAY SHALL BE PROPERLY PERMITTED AND COORDINATED WITH THE APPROPRIATE OFFICIALS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. ALL GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID OFFICIALS.
5. CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
6. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
7. CONTRACTOR SHALL CHISEL-PLOW OR DEEP TILL WITH DOUBLE TINES ALL STORMWATER MANAGEMENT FACILITIES JUST PRIOR TO SODDING AND/OR SEEDING AND MULCHING TO PROMOTE INFILTRATION.
8. CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
9. CONTRACTOR TO DEEP TILL ALL COMPACTED PEROVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.
10. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.

11. ALL EXPOSED SOIL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR PERIOD GREATER THAN 30 DAYS AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR, REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDMR TECHNICAL STANDARD 1059 AND CITY OF MADISON ORDINANCE.

UTILITY NOTES

1. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE. OR ALL INCLUDING THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.
2. PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR:
 - 2.1. EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - 2.2. OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
 - 2.3. VERIFYING ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
 - 2.4. NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
 - 2.5. NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
 - 2.6. COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
3. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN - AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.
4. SPECIFICATIONS SHALL COMPLY WITH THE CITY OF MADISON SPECIAL PROVISIONS.
5. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
7. 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.
8. CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
9. THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
10. 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.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.
12. STORM SEWER SPECIFICATIONS -
 - PIPE - REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTM CLASS III (MINIMUM) C-76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTM C-443. HIGH DENSITY DUAL-WALL POLYETHYLENE CORRUGATED PIPE SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M-294 TYPE "INLETS" - INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NO. 28 OF THE "STANDARD SPECIFICATIONS"; OR APPROVED EQUAL WITH A 1" X 18" X 2" MAXIMUM OPENING, CURB FRAME & GATE SHALL BE NEMAH R-3007 WITH TYPE R GATE, OR EQUAL.
 - BACKFILL AND BEDDING - STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".

FIELD TILE CONNECTION - ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.

13. WATER MAIN SPECIFICATIONS -
 - PIPE - DUCTILE IRON PIPE SHALL BE CLASS 52 CONFORMING TO AWWA C151 AND CHAPTER 8.1.8.0 OF THE "STANDARD SPECIFICATIONS". POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET THE REQUIREMENTS OF AWWA STANDARD C-900, CLASS 150, DR-18, WITH CAST IRON O.D. AND INTEGRAL END CONNECTIONS. WATER MAINS SHALL BE INSTALLED WITH BLUE INSULATION TRACER WIRE AND CONFORM WITH SPS 382.30(11)(h).

VALVES AND VALVE BOXES - GATE VALVES SHALL BE AWWA GATE VALVES MEETING THE REQUIREMENTS OF AWWA C-500 AND CHAPTER 8.2.7.0 OF THE "STANDARD SPECIFICATIONS". GATE VALVES AND VALVE BOXES SHALL CONFORM TO LOCAL PLUMBING ORDINANCES.

HYDRANTS - HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE CITY OF MADISON, THE DISTANCE FROM THE GROUND LINE TO THE CENTERLINE OF THE LOWEST NOZZLE AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 18-INCHES AND NO GREATER THAN 23-INCHES (SEE DETAIL).

BEDDING AND COVER MATERIAL - PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SPOONINGS CONFORMING TO CHAPTER 8.4.3.2 OF THE "STANDARD SPECIFICATIONS".

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".

14. SANITARY SEWER SPECIFICATIONS -

PIPE - SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.

BEDDING AND COVER MATERIAL - BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATION: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.4.3.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO INSURE ADEQUATE COMPACTING OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE SUPPORT."

BACKFILL - BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE "STANDARD SPECIFICATIONS".

MANHOLES - MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE "STANDARD SPECIFICATIONS" AND ALL SPECIAL PROVISIONS OF THE CITY OF MADISON.

MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEMAH R-1642 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL.

WATERMAIN AND SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND INSTALLATION OF INSULATION SHALL BE CONFORMING WITH CHAPTER 4.1.7.0 "INSULATION" OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN 6TH EDITION UPDATED WITH ITS LATEST ADDENDUM (TYP.).

16. ALL NON-METALLIC UTILITY PIPES (SANITARY SEWER, STORM SEWER, AND WATER PIPING) SHALL BE INSTALLED IN CONJUNCTION WITH TRACER WIRE AS REQUIRED BY SPS 382.30(11)(h) TO SPS 382.36(7)(C)10, AND SPS 382.40(8)(K). COLOR OF TRACER WIRE SHALL BE: SANITARY SEWER - GREEN, STORM SEWER - BROWN, WATER - BLUE, NON-POTABLE WATER - PURPLE.

EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ENGINEER OF RECORD AND APPROPRIATE CITY OF MADISON OFFICIALS MUST APPROVE ANY CHANGES PRIOR TO DEVIATION FROM THE APPROVED PLANS.
2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND CITY OF MADISON ORDINANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.
3. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLANS. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE CITY OF MADISON PRIOR TO DEVIATION OF THE APPROVED PLAN.
4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, COUNTY INSPECTORS AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
5. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
6. EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES. ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
7. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE MUNICIPALITY. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY THE MUNICIPALITY. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEP AND/OR SCAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE CITY OF MADISON.
9. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
10. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER".
11. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.
12. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
 - A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 - C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
13. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING OR APPLICATION OF A WISCONSIN DEPARTMENT OF TRANSPORTATION (WDOT) APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING. EROSION MATTING AND/OR NETTING USED ON-SITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDMR TECHNICAL STANDARDS 1052 AND 1053.
14. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDMR TECHNICAL STANDARD 1068.
15. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
16. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDMR REQUIREMENTS AND/OR PROPERTY SALE IN ACCORDANCE WITH WDMR REQUIREMENTS.
17. STABILIZATION PRACTICES:
 - 17.1. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
 - 17.2. THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - 17.3. CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
 - 17.4. STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
 - PERMANENT SEEDING IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
 - TEMPORARY SEEDING MAY CONSIST OF SPRING OATS(100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (150LB/ACRE)
 - HYDRO-MULCHING WITH A TACKIFIER
 - GEOTEXTILE EROSION MATTING
 - SODDING

CITY TRAFFIC ENGINEERING NOTES

1. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDED PLAN BUY TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENT.

CITY FORESTRY NOTES

1. ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ADJACENT PERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
2. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: <https://www.cityofmadison.com/BUSINESS/PW/SEPS/CFM>.
3. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
4. SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
5. ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. FENCING SHALL BE MAINTAINED THROUGHOUT THE PROJECT TO PREVENT ACCESS THROUGH THE TREE PROTECTION ZONE.
6. STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. CONTACT CITY FORESTRY AT (608) 266-4816. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 - PART 1 STANDARDS FOR PRUNING.
7. AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING, CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

WORK-IN-ROW NOTES

1. ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK IN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO BE PREQUALIFIED WITH THE CITY OF MADISON. PREQUALIFICATION FORMS ARE AVAILABLE ON THE CITY'S WEBSITE AT: <https://www.cityofmadison.com/engineering/developers-contractors/contractors/how-to-get-prequalified>
2. THE CONTRACTOR IS REQUIRED TO OBTAIN A CITY PERMIT TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY.
3. ALL PROPOSED IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY OR CONNECTIONS TO CITY OWNED UTILITIES SHALL BE COMPLETED PER THE CITY ISSUED IMPROVEMENTS PLAN (CONTRACT NO. XXXX, PROJECT NO. XXXXX). ALL IMPROVEMENTS PROPOSED WITHIN THE RIGHT-OF-WAY ON THE HUB - ILLUM VILLAGER ON PARK PRIVATE DEVELOPMENT DRAWINGS ARE SHOWN FOR REFERENCE ONLY. CITY ISSUED PLANS GOVERN.

LEGEND

-----	PROPERTY LINE
- - - - -	RIGHT-OF-WAY
----	BUILDING SETBACK LINE
=====	BUILDING OUTLINE
=====	EDGE OF PAVEMENT
=====	CONCRETE PAVEMENT
=====	HEAVY DUTY CONCRETE PAVEMENT
=====	DECOMPOSED GRANITE
=====	RETAINING WALL
-----	RAILING
-----	BOLLARD
-----	BIKE RACK
-----	DEMOLITION - REMOVAL OF ONSITE FENCE/GUARDRAIL
=====	DEMOLITION - REMOVAL OF RETAINING WALL
=====	DEMOLITION - REMOVAL OF ASPHALT SURFACES
=====	DEMOLITION - REMOVAL OF CONCRETE SURFACES
=====	DEMOLITION - REMOVAL OF BUILDINGS/STRUCTURES
=====	DEMOLITION - REMOVAL OF UTILITIES
=====	DEMOLITION - REMOVAL OF LANDSCAPE BEDDING
-----	TREE REMOVAL
-----	PROPOSED 1 FOOT CONTOUR
-----	PROPOSED 5 FOOT CONTOUR
-----	EXISTING 1 FOOT CONTOUR
-----	EXISTING 5 FOOT CONTOUR
-----	DRAINAGE DIRECTION
-----	GRADE BREAK
-----	SILT FENCE
=====	DECORATIVE STONE MULCH (REFER TO LANDSCAPE)
=====	CONSTRUCTION ENTRANCE
-----	SPOT ELEVATION
-----	EP - EDGE OF PAVEMENT
-----	FG - FINISH GRADE
-----	EC - EDGE OF CONCRETE
-----	EX - MATCH EXISTING GRADE
-----	HP - HIGH POINT
-----	SW - SIDEWALK
-----	INLET PROTECTION
-----	SANITARY SEWER
-----	WATERMAIN
-----	STORM SEWER
-----	PROPOSED COMMUNICATION (BY CHARTER/AT&T)
-----	PROPOSED ELECTRIC (BY MG&E)
-----	PROPOSED GAS (BY MG&E)

PROJECT:

139 WEST WILSON ST
REDEVELOPMENT

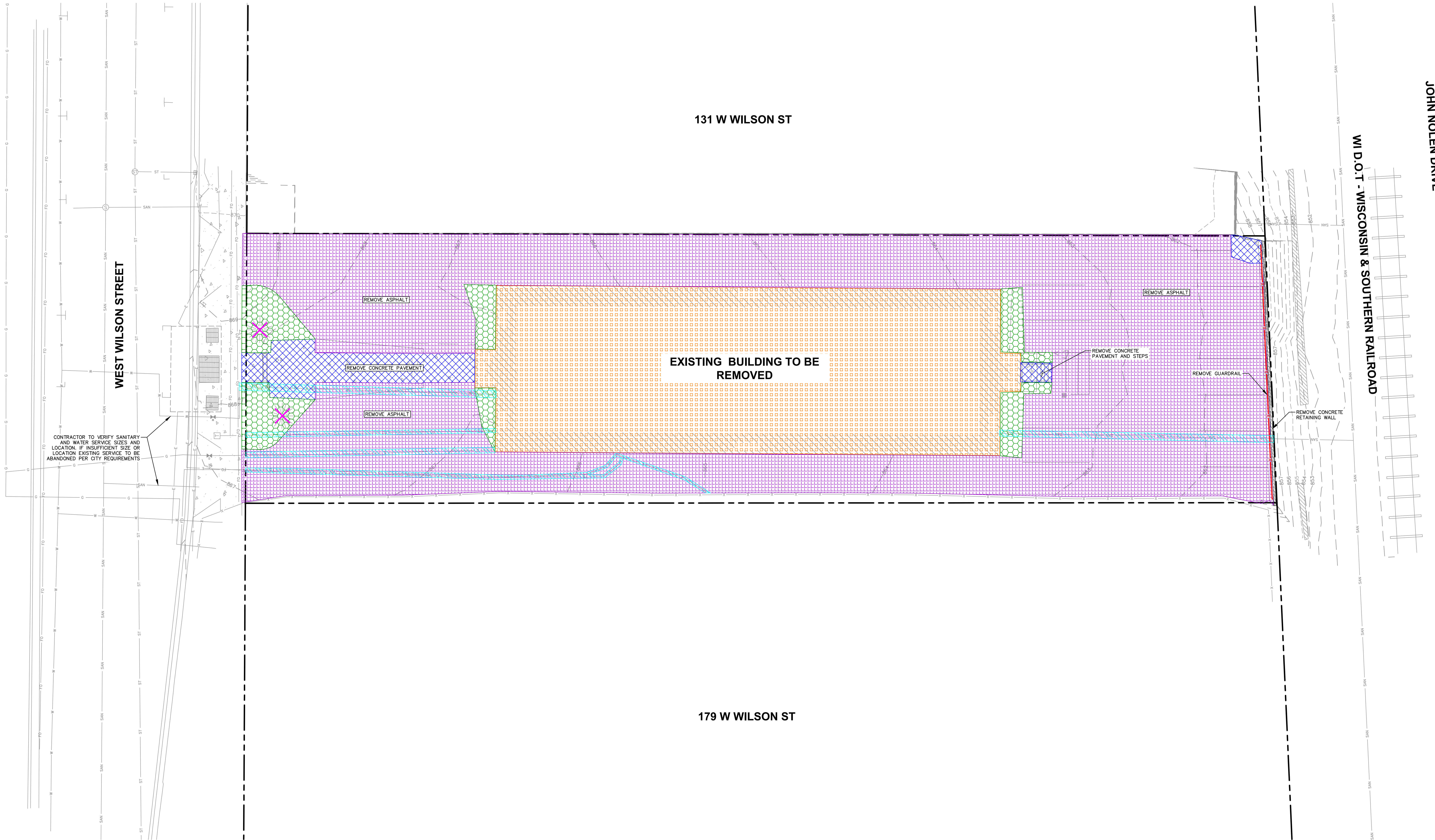
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139 WEST WILSON ST
MADISON, WI 53703

PLAN MODIFICATIONS:

#	Date:	Description
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P. 608.848.5060

CLIENT:

TORQUE COMPANIES

PROJECT:

139 WEST WILSON ST
REDEVELOPMENT

PROJECT LOCATION:

139 WEST WILSON ST
MADISON, WI 53703

PLAN MODIFICATIONS:

#	Date:	Description:
1	08.04.2025	MUNICIPAL SUBMITTAL
2	10.13.2025	UDC SUBMITTAL
3		
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Designed By: MAS
Reviewed By: KJY

Approved By:

SHEET TITLE:

DEMOLITION PLAN

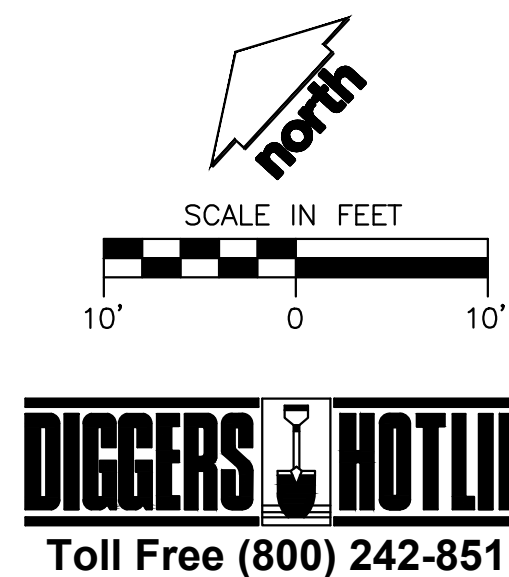
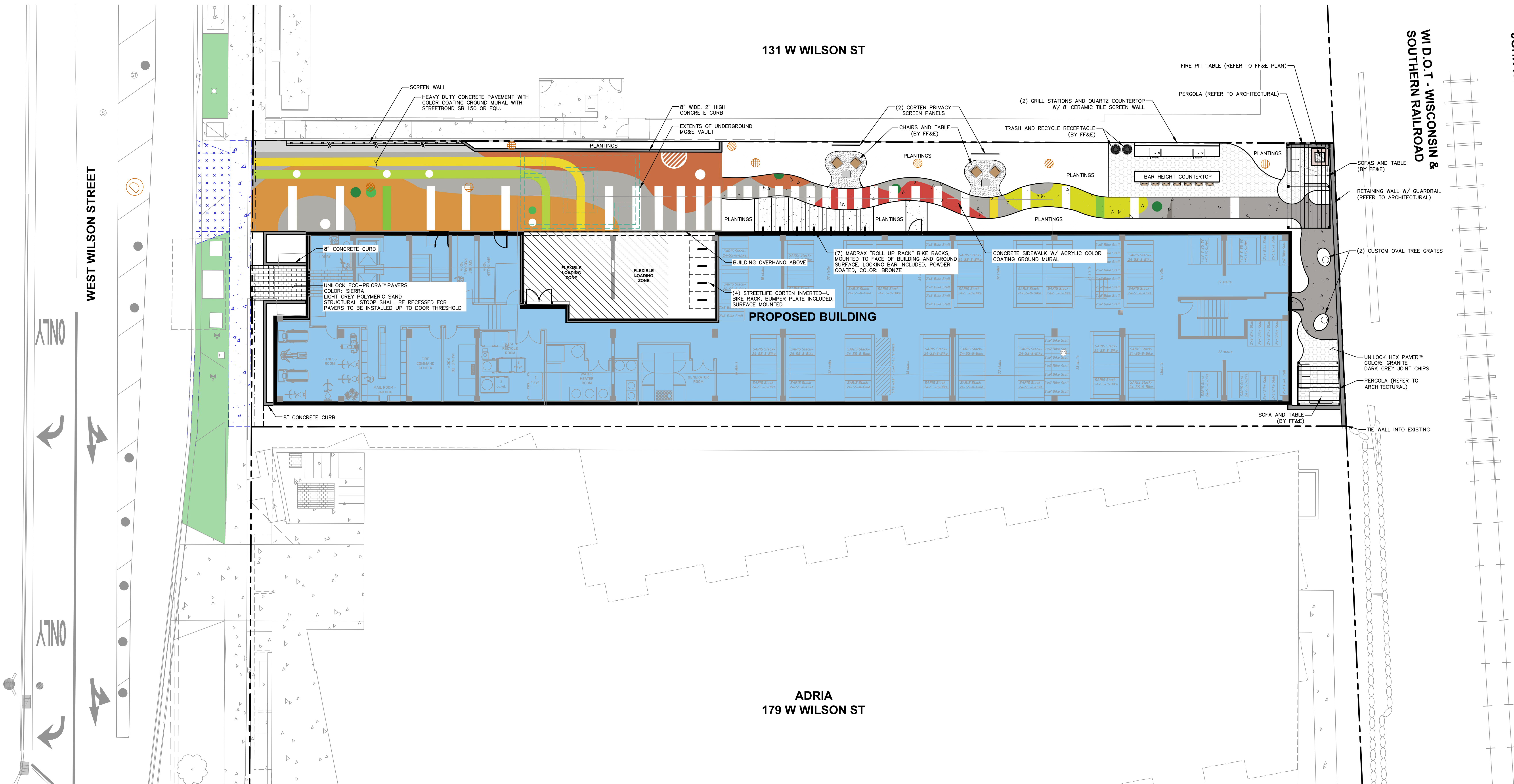
SHEET NUMBER:

C2.0

JSD PROJECT NO:

22-11487

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CLIENT:
TORQUE COMPANIES

PROJECT:
139 WEST WILSON ST
REDEVELOPMENT

PROJECT LOCATION:
139 WEST WILSON ST
MADISON, WI 53703

PLAN MODIFICATIONS:		
#	Date:	Description:
1	08.04.2025	MUNICIPAL SUBMITTAL
2	10.13.2025	UDC SUBMITTAL
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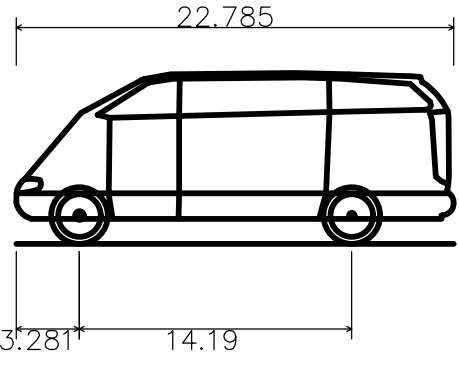
Designed By: MAS
Reviewed By: KJY
Approved By:

SHEET TITLE:
SITE PLAN -
ANNOTATED

SHEET NUMBER:
C3.0

JSD PROJECT NO: 22-11487

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



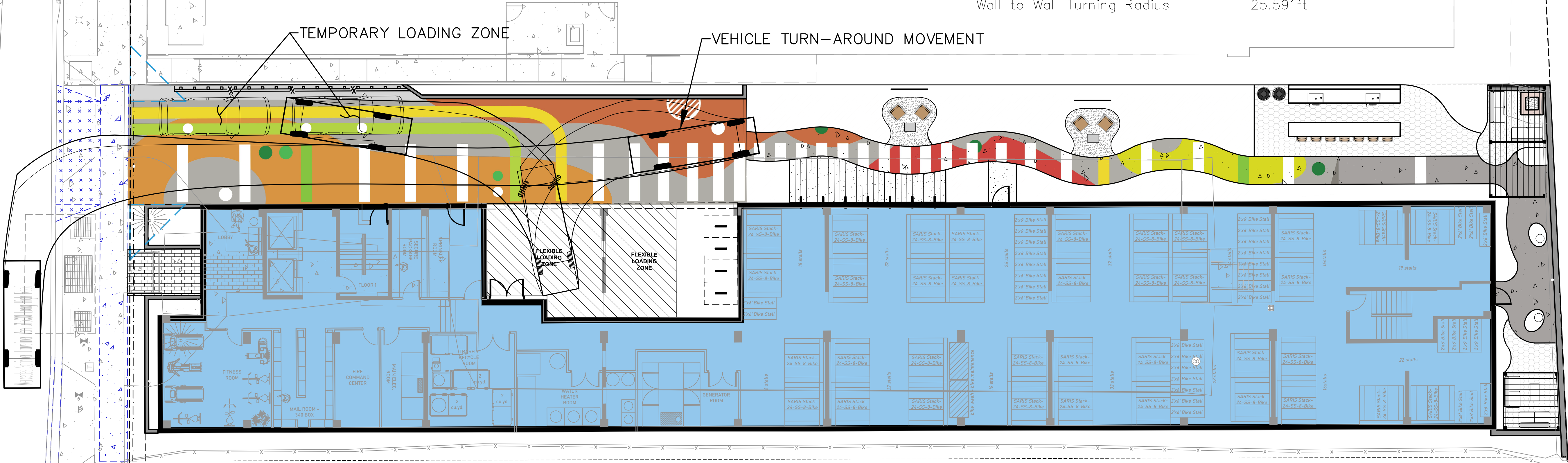
Mercedes Sprinter Traveliner Van 315CDI Long High Roo
Overall Length 22.785ft
Overall Width 6.539ft
Overall Body Height 8.909ft
Min Body Ground Clearance 1.312ft
Track Width 6.539ft
Lock-to-lock time 5.00s
Wall to Wall Turning Radius 25.591ft

131 W WILSON ST

TEMPORARY LOADING ZONE

VEHICLE TURN-AROUND MOVEMENT

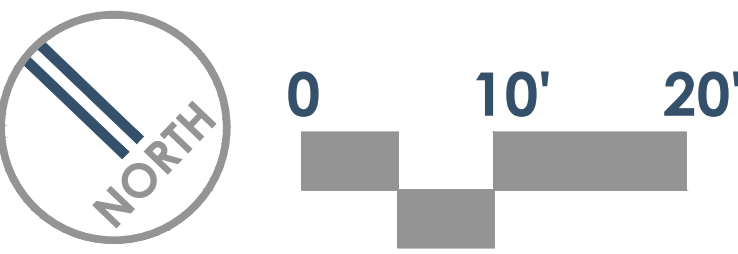
WEST WILSON STREET



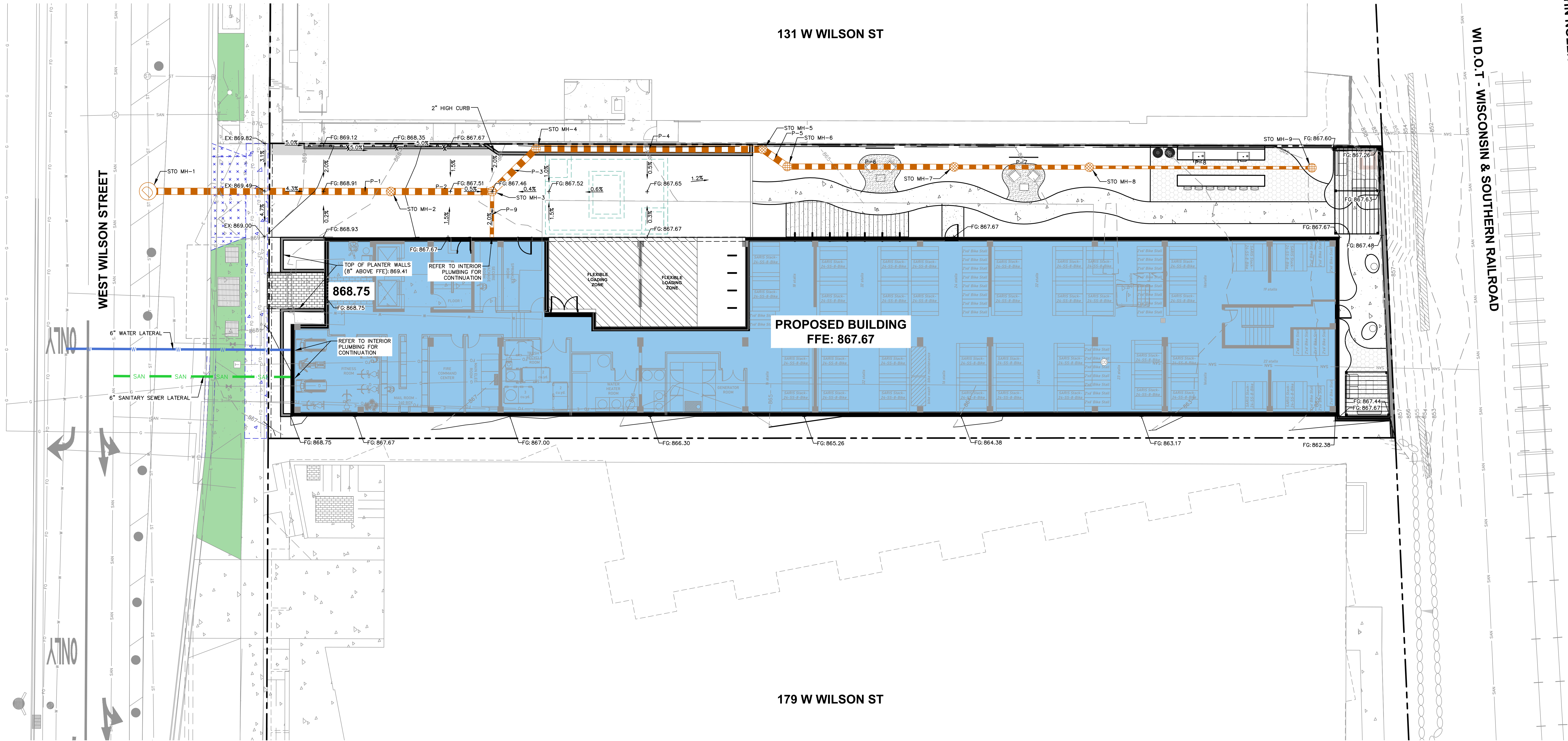
ADRIA
179 W WILSON ST

139 WEST WILSON
MADISON, WI

SITE CIRCULATION AND LOADING EXHIBIT

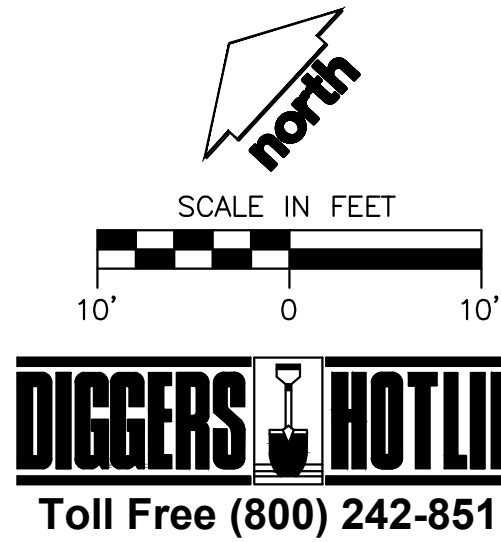


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PROPOSED STORM SEWER STRUCTURE TABLE					
LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
STO MH-1	869.13	EX SW INV: 862.09 (24") SE INV: 863.36 (18") EYNE INV: 862.09 (24")	7.0	48 IN MH	R-1550 SOLID GRATE
STO MH-2	868.14	NW INV: 863.64 (18") SE INV: 863.78 (18")	4.5	24 IN DB	DOMO GRATE
STO MH-3	867.46	E INV: 863.06 (18") NW INV: 863.96 (18") SW INV: 865.06 (10")	3.5	24 IN DB	DOMO GRATE
STO MH-4	867.62	SE INV: 864.03 (18") W INV: 864.03 (18")	3.6	24 IN DB	DOMO GRATE
STO MH-5	867.46	NW INV: 864.50 (18") S INV: 864.50 (18")	3.0	24 IN DB	DOMO GRATE
STO MH-6	867.04	N INV: 864.55 (18") SE INV: 864.55 (15")	2.5	24 IN DB	DOMO GRATE
STO MH-7	867.11	NW INV: 864.84 (15") SE INV: 864.84 (12")	2.3	12 IN DB	DOMO GRATE
STO MH-8	867.10	NW INV: 865.08 (12") SE INV: 865.08 (8")	2.0	12 IN DB	DOMO GRATE
STO MH-9	867.46	NW INV: 865.44 (8")	2.0	12 IN DB	DOMO 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	0.78%
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%



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MADISON REGIONAL OFFICE
507 WEST VERONA AVE, SUITE 800
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
TORQUE COMPANIES

PROJECT:
139 WEST WILSON ST
REDEVELOPMENT

PROJECT LOCATION:
139 WEST WILSON ST
MADISON, WI 53703

PLAN MODIFICATIONS:		
#	Date:	Description:
1	08.04.2025	MUNICIPAL SUBMITTAL
2	10.13.2025	UDC SUBMITTAL
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Designed By: MAM
Reviewed By: KJL
Approved By:

SHEET TITLE:
GRADING, EROSION
CONTROL, AND UTILITY
PLAN

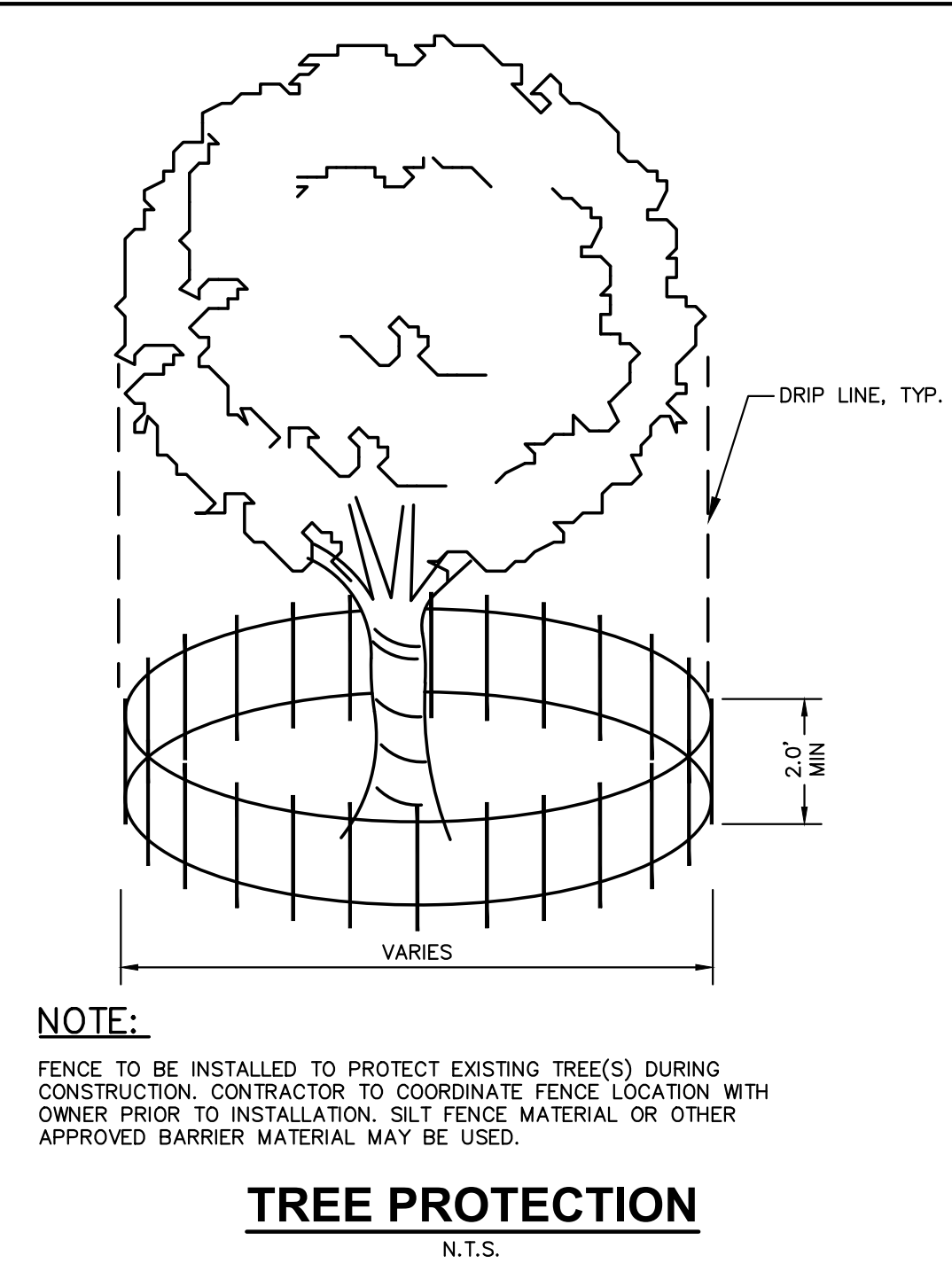
SHEET NUMBER:

C4.0

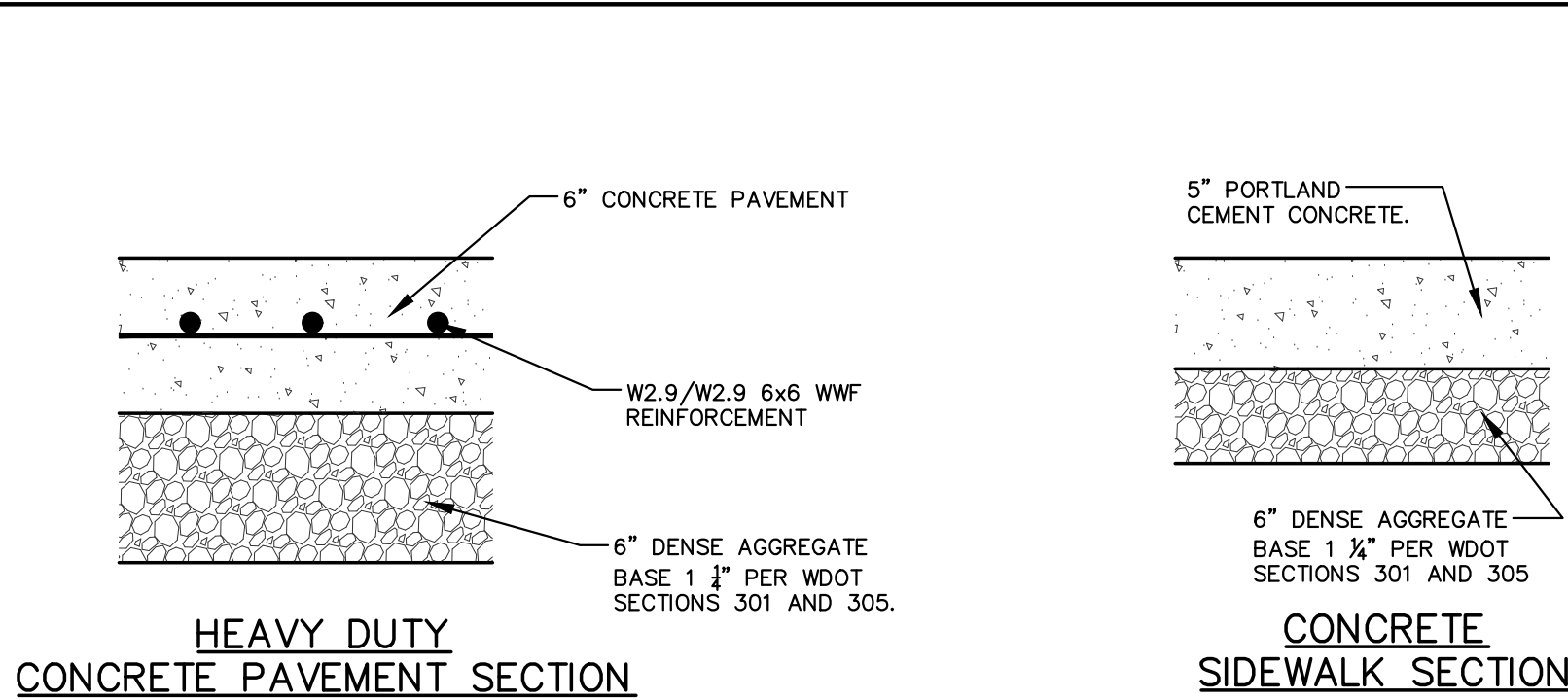
JSD PROJECT NO: 22-11487

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File: JSD\INC\project\2022\221487\DWG\DWG\Sheet\221487.dwg Layout: C5.0 DETAILS User: Kevin Yeala Plot Date: Oct 16, 2025 - 9:45am Xref's:



TREE PROTECTION
N.T.S.

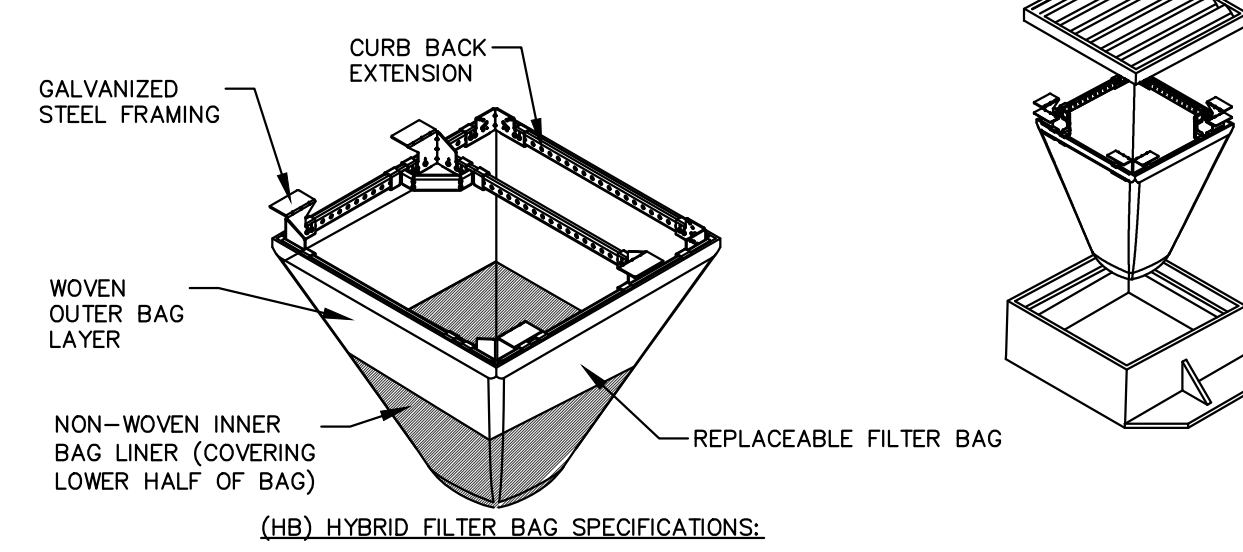


CONCRETE PAVEMENT SECTIONS
N.T.S.

GENERAL NOTES:

1. FINAL PAVEMENT CROSS SECTION DESIGN SHALL BE BASED ON GEOTECHNICAL REPORT TITLED "GEOTECHNICAL SUBSURFACE INVESTIGATION WILSON STREET APARTMENT BUILDING 402 WILSON STREET, MADISON, WISCONSIN" AS PREPARED BY GEOTEST DATED **NOVEMBER 1, 2022**.
2. BASED ON THE GEOTECHNICAL EXPLORATION AND REPORT, RECOMPACTION/PROOF ROLLING TO BE COMPLETED PRIOR TO PLACEMENT OF PAVEMENTS. UNDERCUTTING OR STABILIZATION OF EXISTING SUB-BASE MATERIALS MAY BE REQUIRED.
3. WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, COMPACTION REQUIREMENTS:
 - CONCRETE: REFER TO SECTION 415.
 - BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION.
4. CONCRETE EQUIPMENT PADS SHALL HAVE A MINIMUM 6" THICK PORTLAND CEMENTER CONCRETE OVER COMPACTED 6" THICK DENSE GRADED BASE WITH REINFORCEMENT FOR CRACK CONTROL.

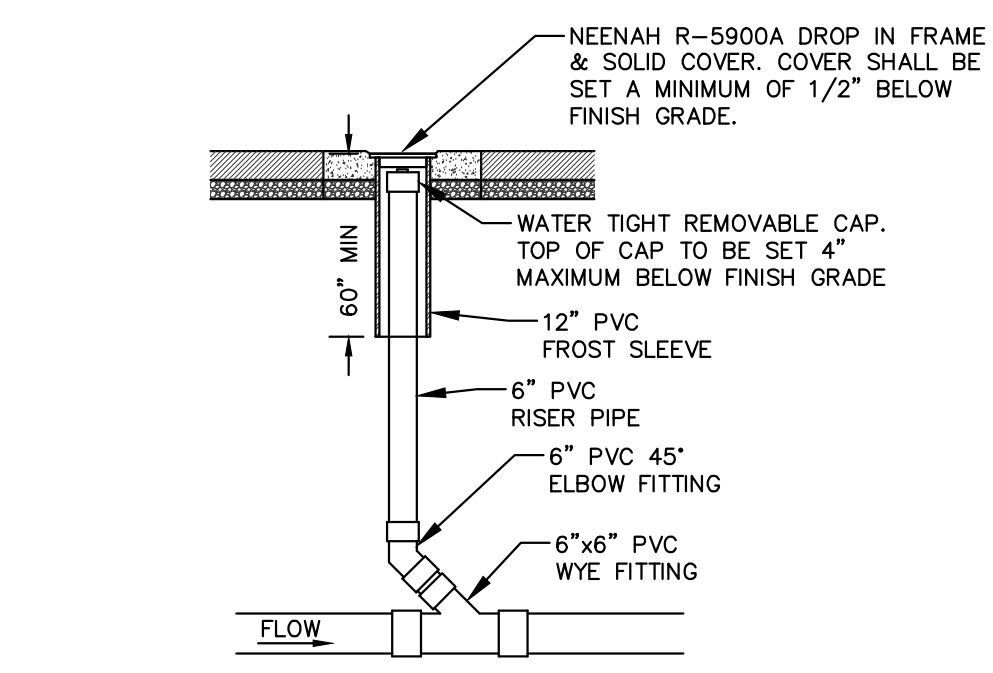
FLEXSTORM INLET FILTERS TO MEET DANE COUNTY EROSION CONTROL STANDARDS



CATCH-IT INLET FILTER (Temporary Inlet Protection)									
Neenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft²)	Flow Ratings (CFS)				ADS PIN
					2.0	5.8	62LCBEXTHB		
3087	Curb Box	35.25 x 17.75	33.0 x 15.0	4.4	2.2	5.8	62LCBEXTHB		
3246A	Curb Box	35.75 x 23.875	33.5 x 21.0	4.2	1.1	3.3	62LCB3624HB		
3030	Square Rect (SQ)	23 x 16	20.5 x 13.5	1.6	0.7	2.2	62MCB2316HB		
3087-C	Square Rect (SQ)	35.25 x 17.75	33 x 15	3.2	1.0	5.2	62LSQB18HB		
R-2501	Round (RD)	~26	~24	2.3	0.8	5.2	62MRD25HB		
R-172/2560	Round (RD)	22.25-23.5	20.5-21	1.5	0.6	4.6	62MRD22HB		

- INSTALLATION INSTRUCTIONS:**
1. REMOVE GRATE FROM THE DRAINAGE STRUCTURE.
 2. CLEAN STONE AND DIRT FROM LEDGE (LIP) OF DRAINAGE STRUCTURE.
 3. DROP THE INLET FILTER THROUGH THE CLEAR OPENING SUCH THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE.
 4. REPLACE THE GRATE AND CONFIRM IT IS NOT ELEVATED MORE THAN 1/8"

- MAINTENANCE GUIDELINES:**
1. EMPTY THE SEDIMENT BAG IF MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS.
 2. REMOVE THE GRATE, ENGAGE THE LIFTING POINTS, AND LIFT FILTER FROM THE DRAINAGE STRUCTURE.
 3. DISPOSE OF SEDIMENT AND DEBRIS BY THE ENGINEERING OR MAINTENANCE CONTRACT 4. ALTERNATIVELY, AN INDUSTRIAL VACUUM CAN BE USED TO COLLECT SEDIMENT FROM THE FILTER BAG.

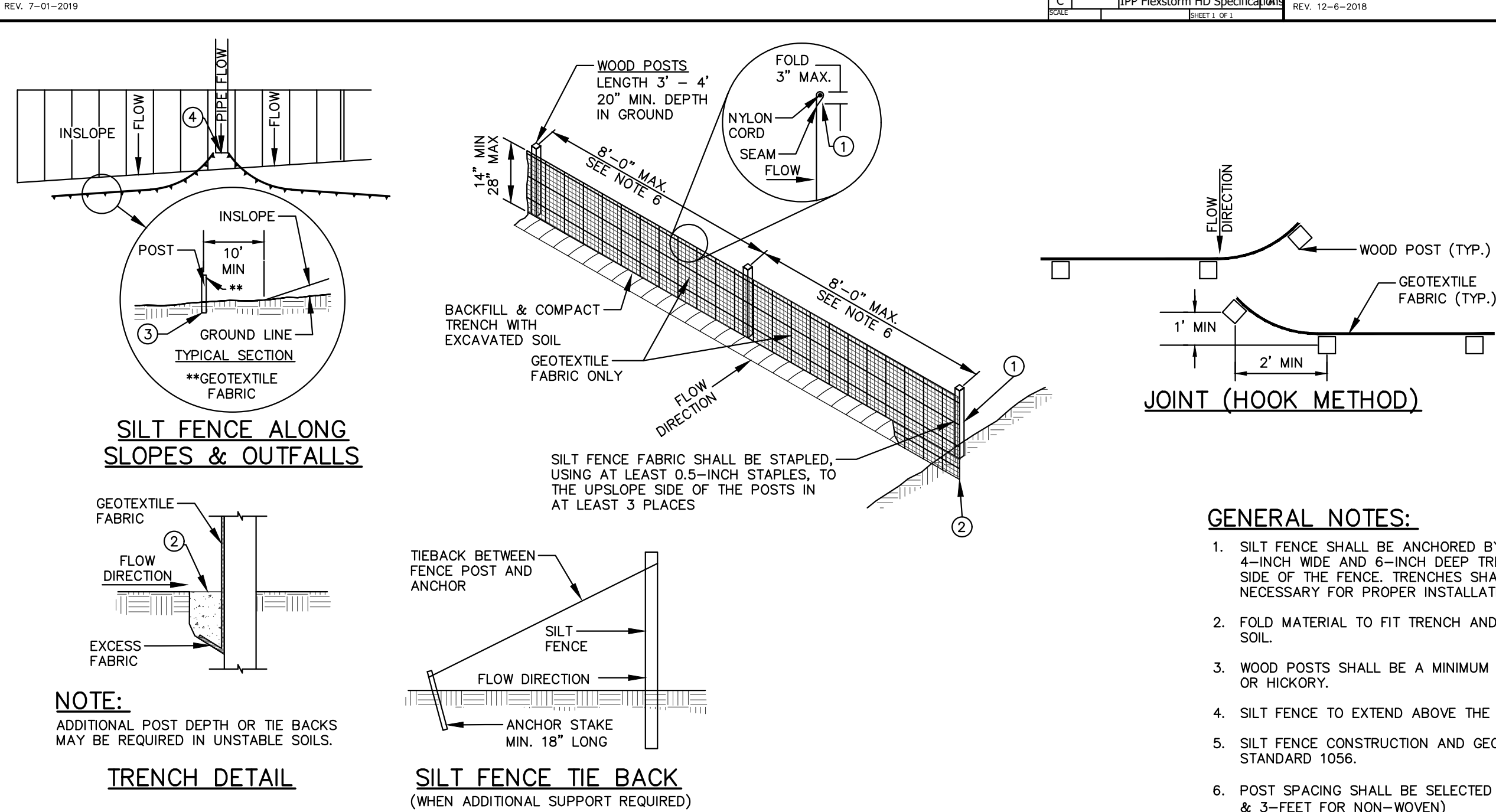


Comm Table 82.35			
PROPERTY	TEST METHOD	WOVEN (OUTER)	NON-WOVEN (INNER)
TENSILE STRENGTH	ASTM D682	200 x 25 Lbs	50 Lbs
ELONGATION	ASTM D682	20% x 10%	50%
UV RESISTANCE	ASTM D682	500 Hrs	40 Hrs
TEAR RESISTANCE	ASTM D682	100 x 75 Lbs	40 Lbs
UV RESISTANCE	ASTM D682	50%	70%
OPENING SIZE (AOS)	ASTM D491	20 US STD SEIVE	40 US STD SEIVE
PERMEABILITY	ASTM D491	1.5 Sec¹	2.0 Sec¹
WATER FLOW RATE	ASTM D491	300 gpa/min/m²	345 gpa/min/m²
MINIMUM FILTER BAG VOLUME		2 CUBIC FT	

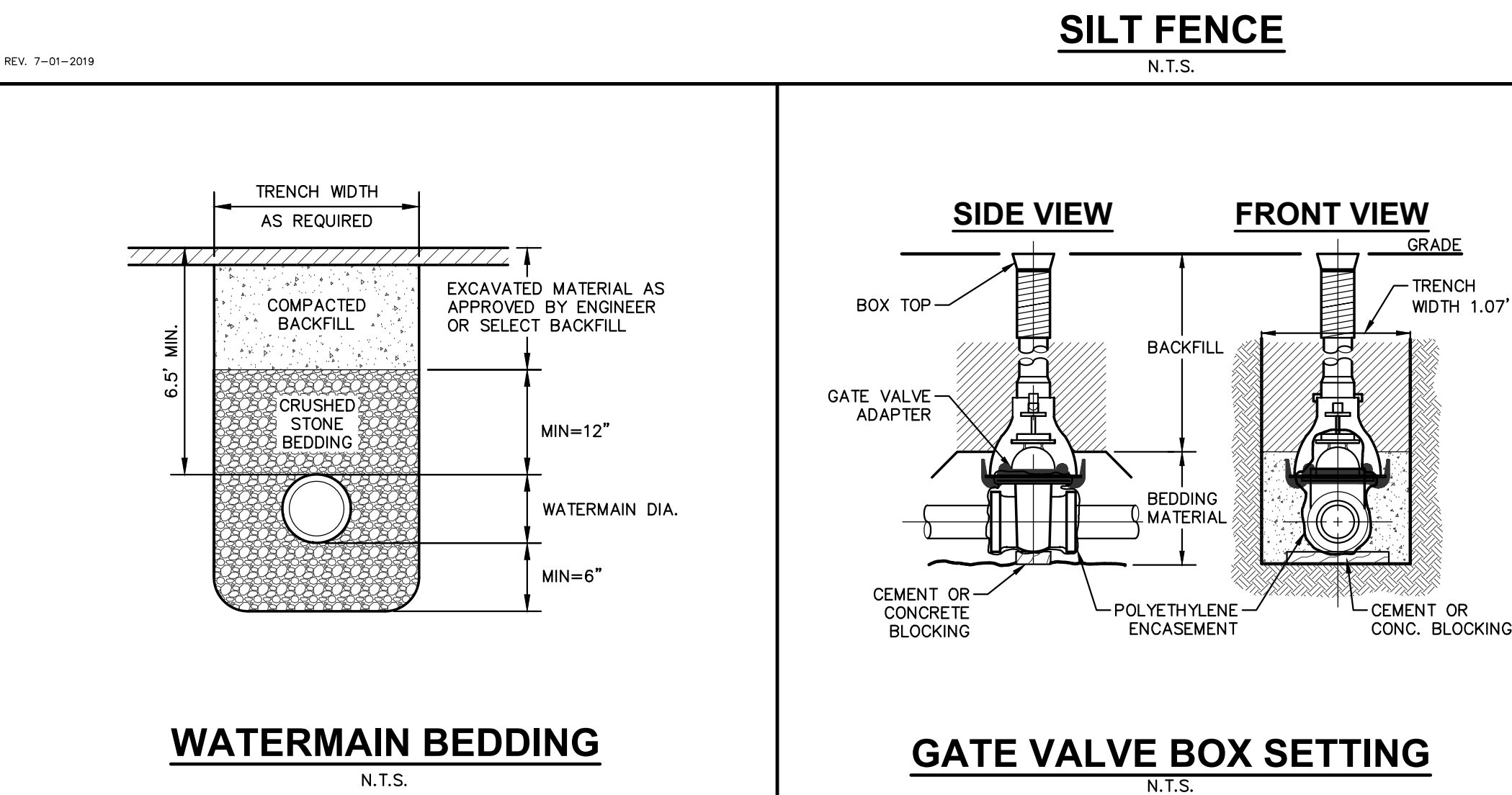
NOTE:
CLEANOUT PIPING AND FITTINGS SHALL MATCH SEWER LATERAL MATERIAL.

SEWER CLEANOUT
N.T.S.

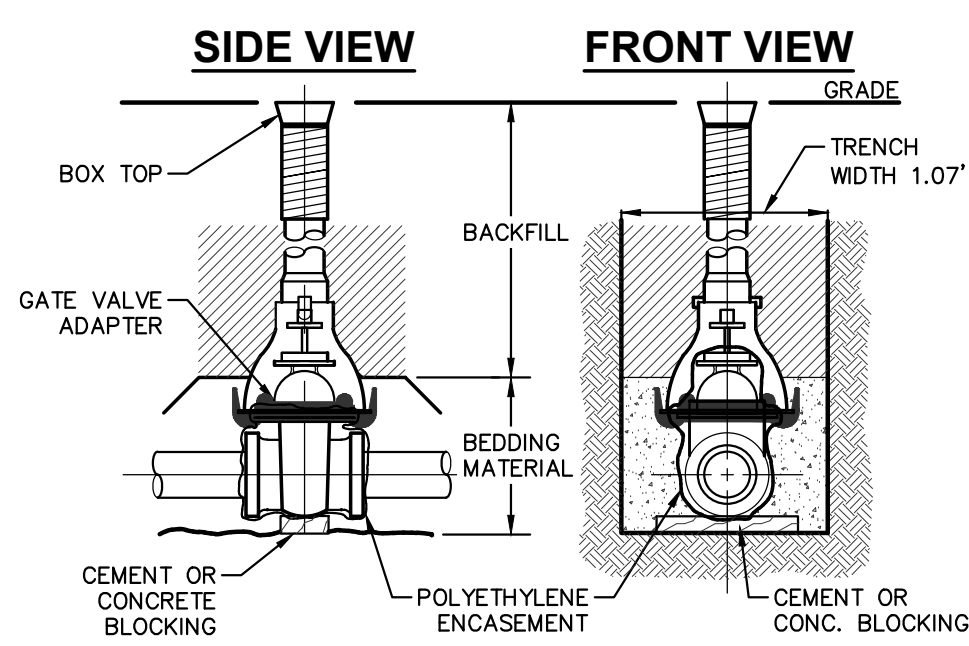
FRAMED INLET PROTECTION
N.T.S.



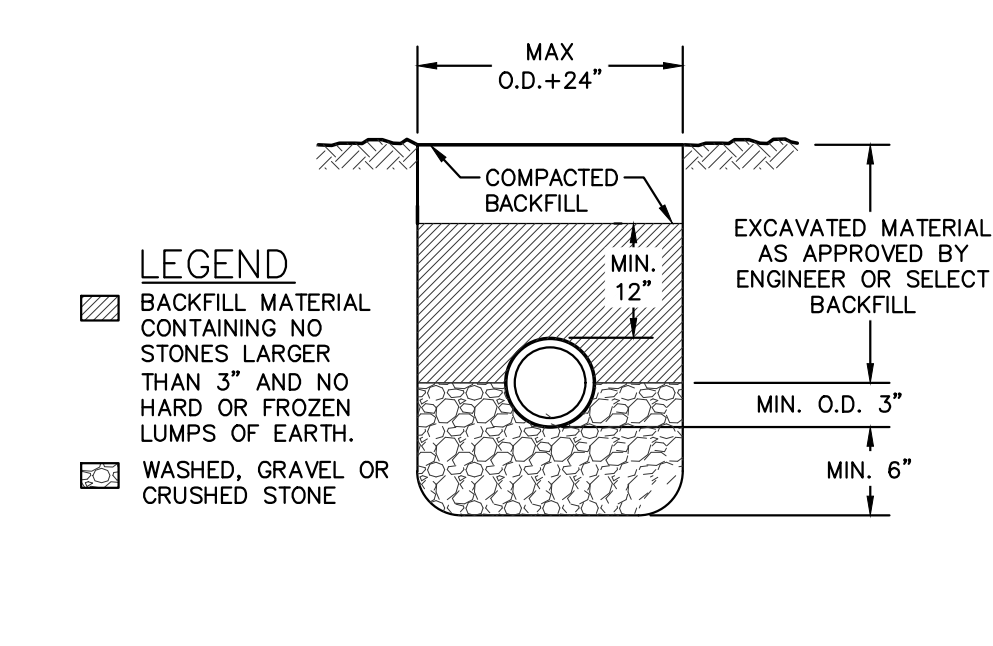
SILT FENCE
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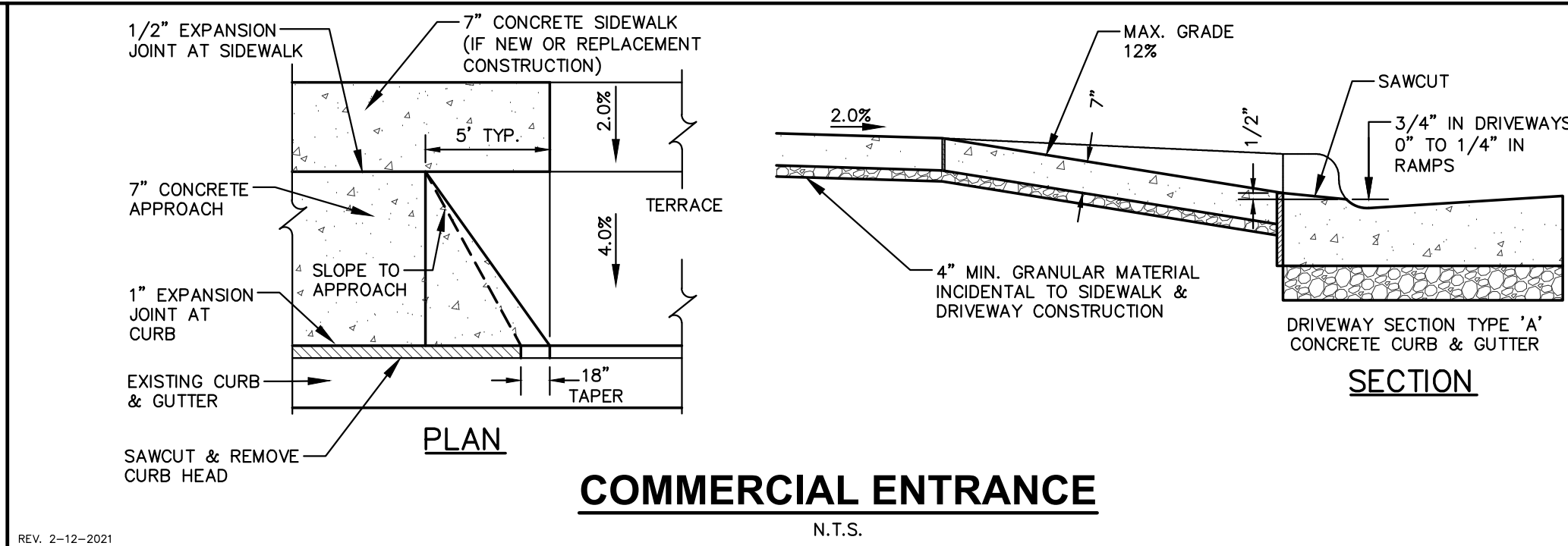
WATERMAIN BEDDING
N.T.S.



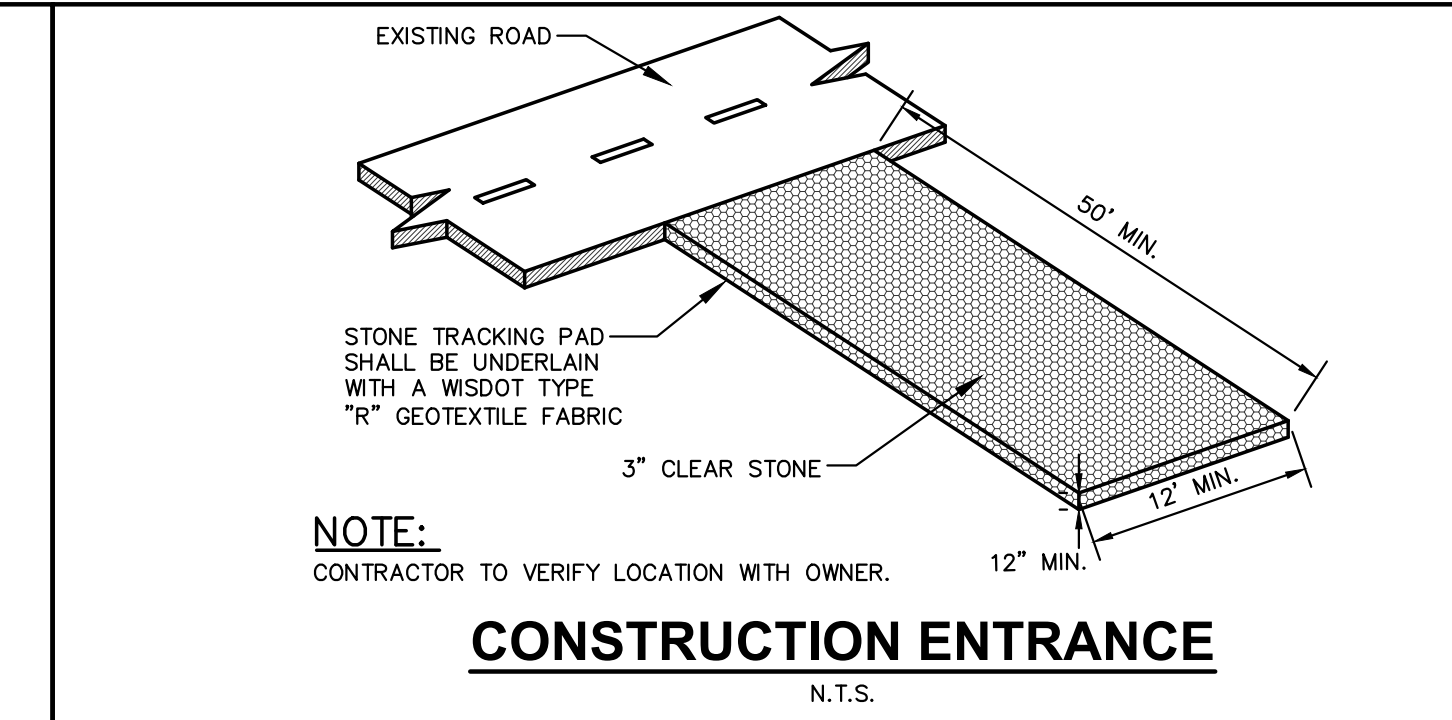
GATE VALVE BOX SETTING
N.T.S.



STORM & SANITARY SEWER BEDDING
N.T.S.



COMMERCIAL ENTRANCE
N.T.S.



CONSTRUCTION ENTRANCE
N.T.S.

STREETLIFE®

CorTen Bicycle Racks
BP-70-CT

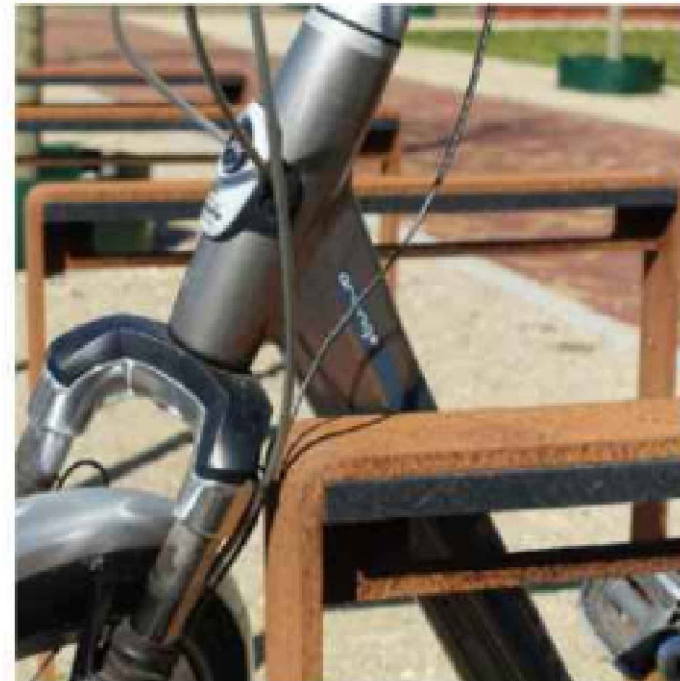
Bike rack, wide version in weathering steel
ca. 70x7x75/100 cm | 28x3x30/39 inches (l x w x h1 / h2)

Specifications:

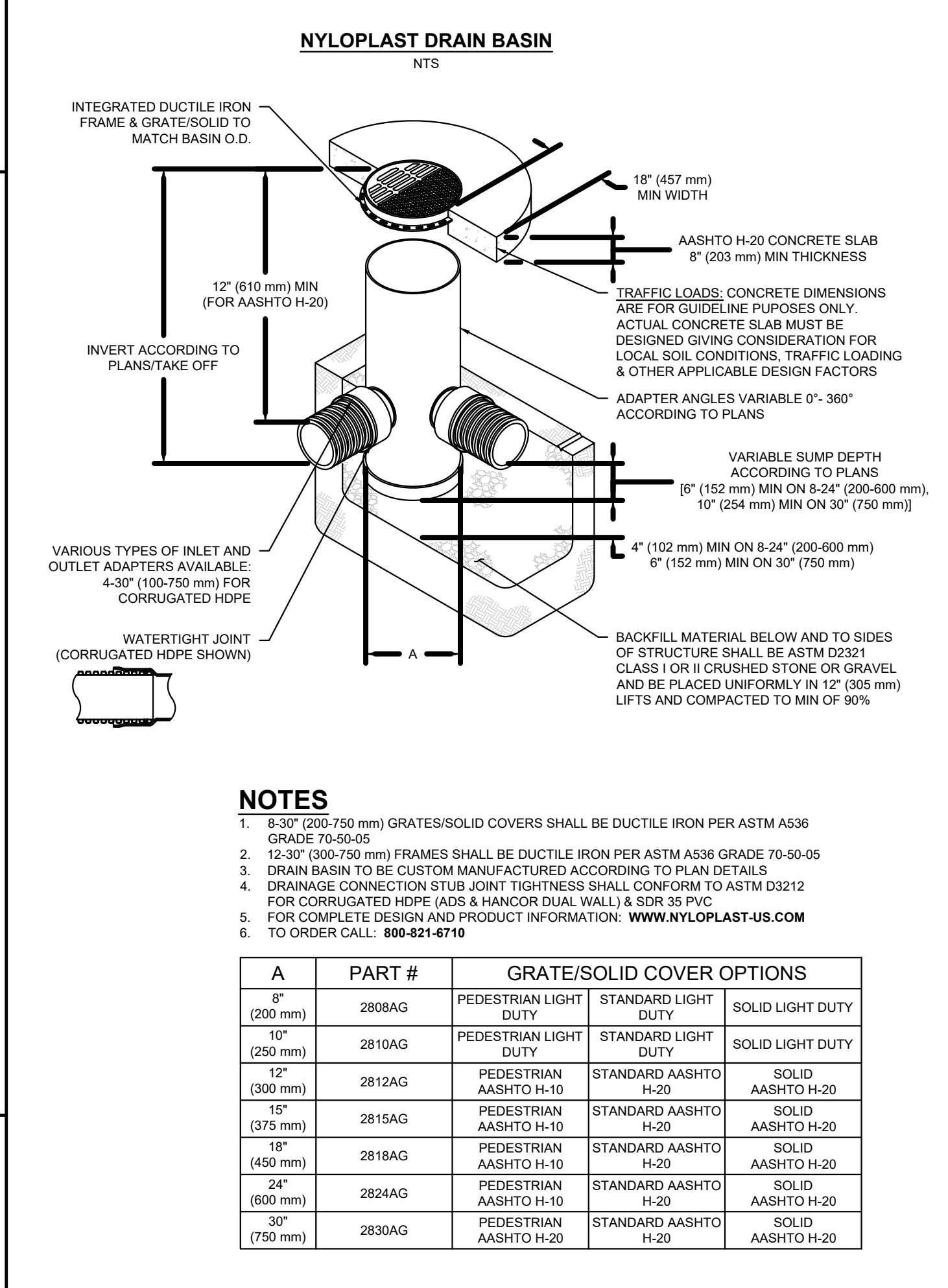
- Material: untreated CorTen steel, ca. 1 cm thick, ~~not yet weathered on delivery~~ weathered prior to delivery
- Including horizontal black synthetic (PE/PP) protection strip fitted at the top
- Width ca. 7½cm | 3"
- Height above ground: ca. 75 cm | 30", height below grade ca. 25 cm | 10"
- Delivery: assembled
- Installation: ~~below grade as concrete ready or at a surcharge with an optional set of 2 underground linking pieces per rack, creating a spacing of 95 cm | 37"~~

<https://www.streetlife.nl/en/products/corten-bicycle-racks>

OR APPROVED EQUAL



BIKE RACK



NOTES

1. 6-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. 15-30" (400-760 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
4. DRAINAGE CONNECTION SUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D2212 FOR CORRUGATED HDPE (ADS & HANDED DUAL WALL) & SDR 35 PVC
5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: WWW.NYLOPLAST-US.COM
6. TO ORDER CALL: 800-621-6710

A	PART #	GRATE/SOLID COVER OPTIONS		
6" (200 mm)	2806AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
10" (250 mm)	2810AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY
12" (300 mm)	2812AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
15" (375 mm)	2815AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
18" (450 mm)	2818AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
24" (600 mm)	2824AG	PEDESTRIAN AASHTO H-10	STANDARD AASHTO H-20	SOLID AASHTO H-20
30" (750 mm)	2830AG	PEDESTRIAN AASHTO H-20	STANDARD AASHTO H-20	SOLID AASHTO H-20

JSD

CREATE THE VISION TELL THE STORY

jsdinc.com

MADISON REGIONAL OFFICE
507 WEST VERONA AVE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
TORQUE COMPANIES

PROJECT:
139 WEST WILSON ST REDEVELOPMENT

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

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1	08.04.2025	MUNICIPAL SUBMITTAL
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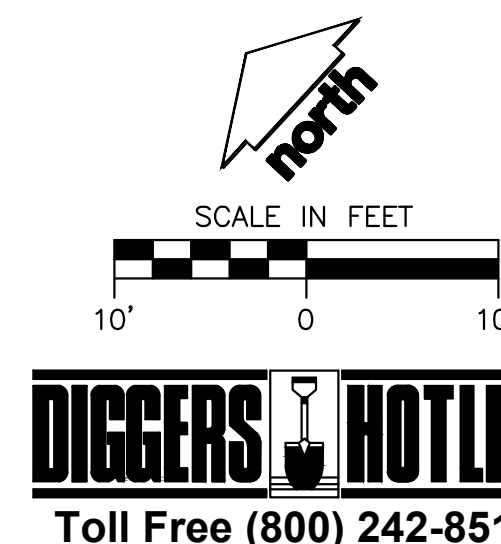
Designed By: **MAD**
Reviewed By: **KJL**
Approved By:
SHEET TITLE:
DETAILS

SHEET NUMBER:

C5.0

JSD PROJECT NO:

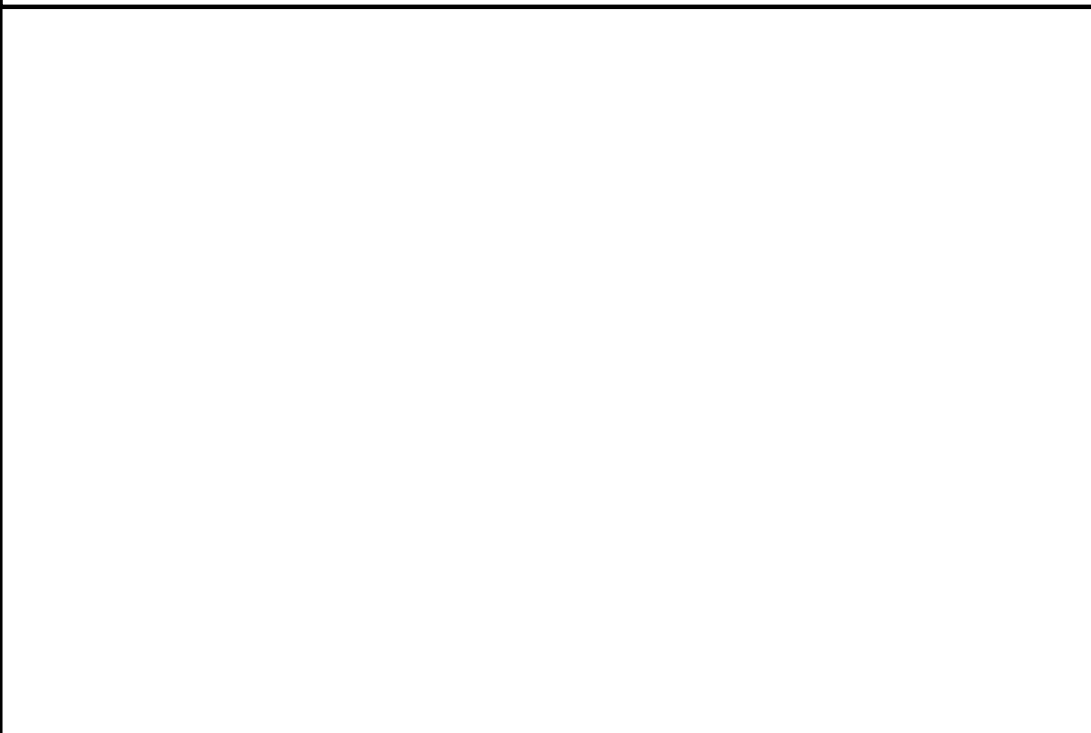
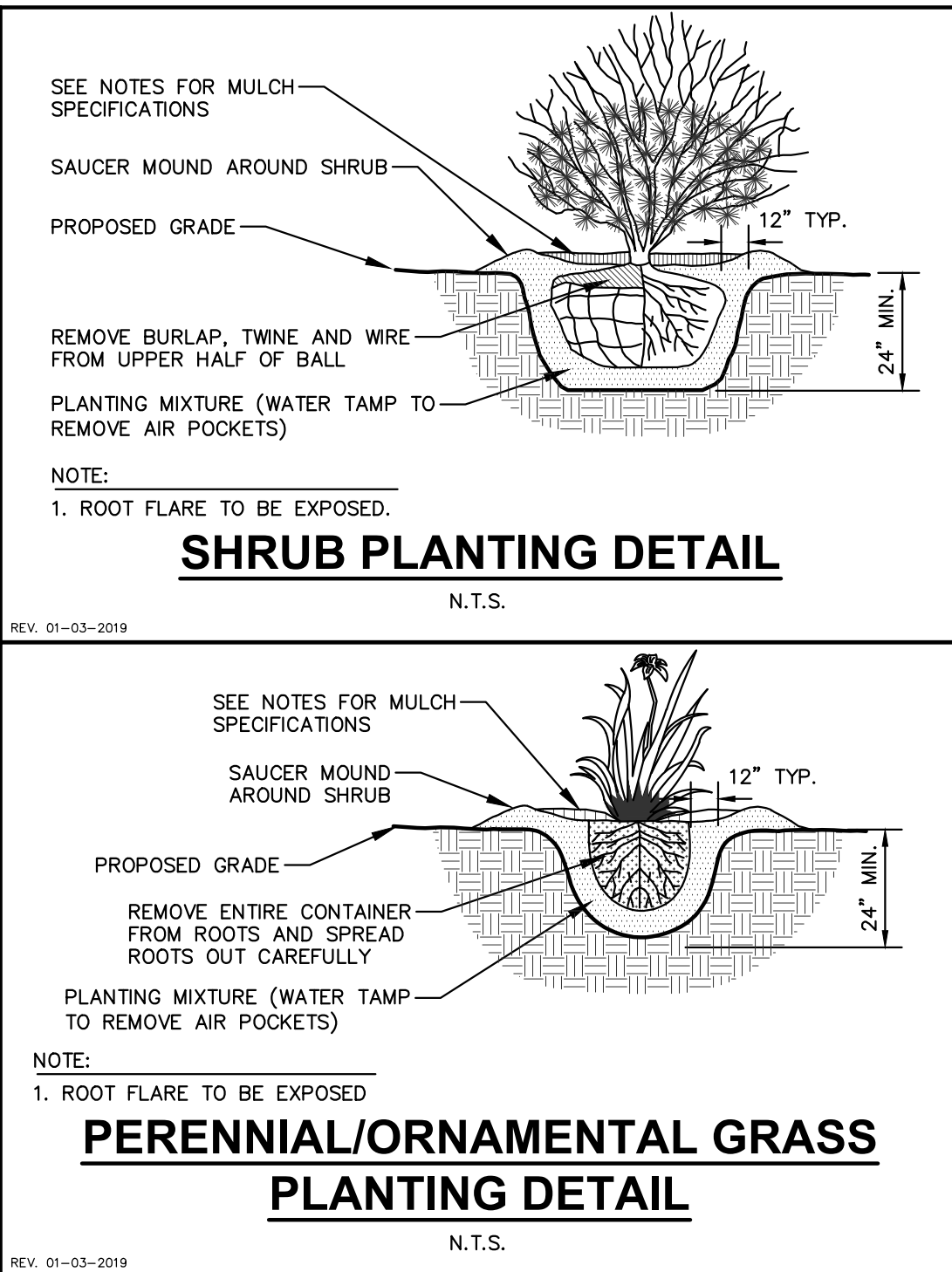
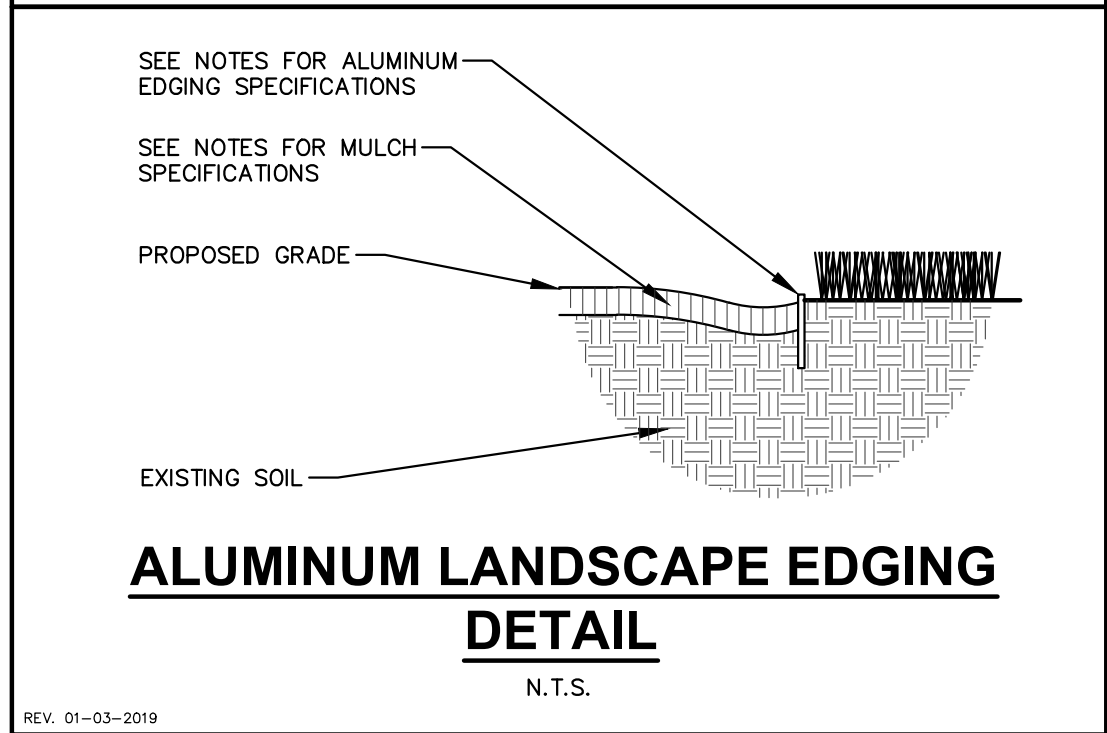
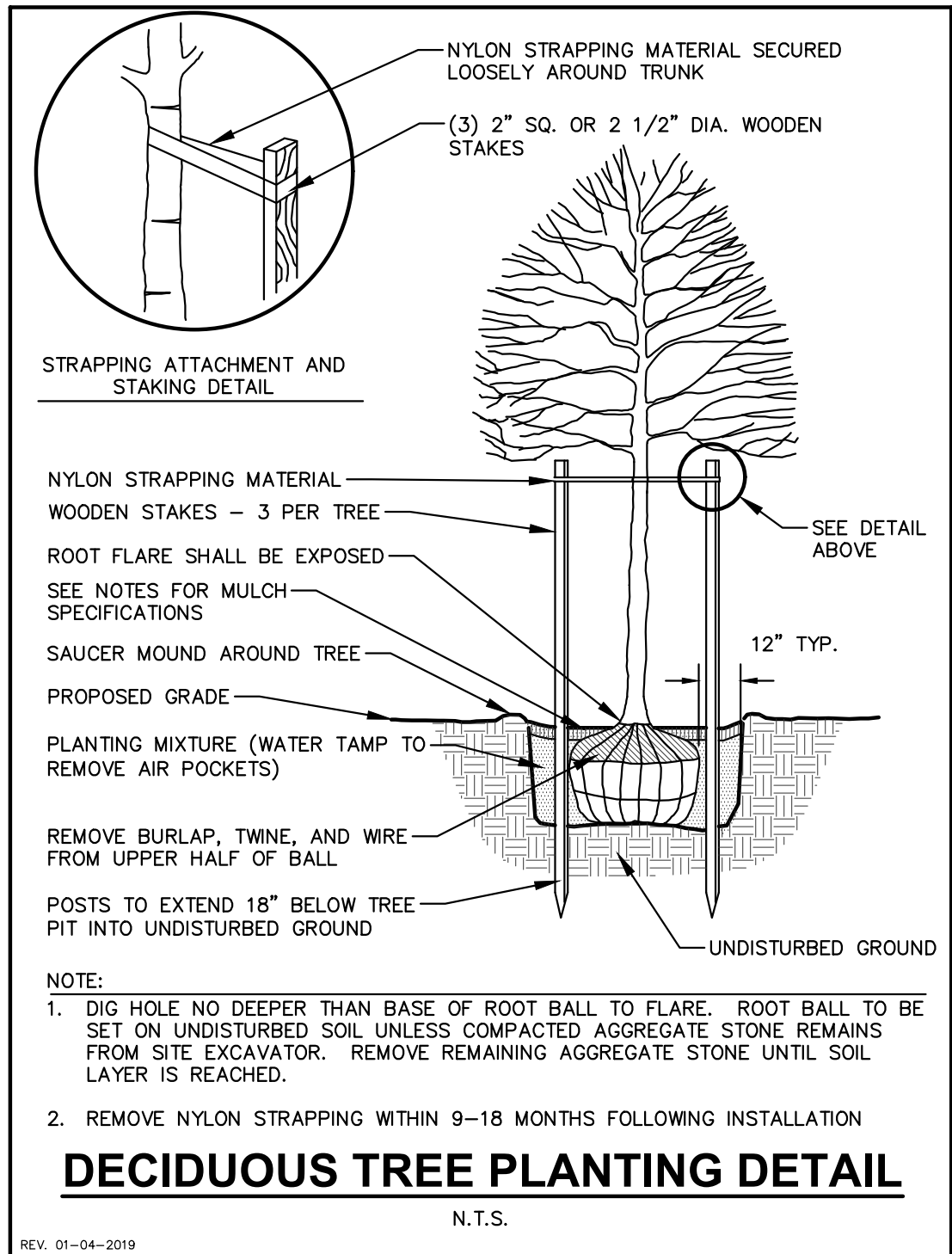
22-11487



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 FENCING

2. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
3. ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. 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.
5. DRAWING FOR REVIEW – NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
6. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR.
7. REFER TO "LANDSCAPE DETAILS AND NOTES" SHEET FOR ADDITIONAL DETAILS, NOTES AND SPECIFICATION INFORMATION INCLUDING MATERIALS, GUARANTEE AND EXECUTION RELATED TO LANDSCAPE.
8. 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.
9. DO NOT COMMENCE PLANTING OPERATIONS UNTIL ALL ADJACENT SITE IMPROVEMENTS, IRRIGATION SYSTEMS AND FERTILIZATION PROGRAMS ARE COMPLETE.



LANDSCAPE CALCULATIONS AND DISTRIBUTIONS	
Required landscaped areas shall be calculated based upon the total developed area of the property. Developed area is defined as that area within a single contiguous boundary which is made up of structures, parking, driveways and docking/loading facilities, but excluding the area of any building footprint at grade, land designated for open space uses such as athletic fields, and undeveloped land area on the same zoning lot. There are three methods for calculating landscape points depending on the size of the lot and Zoning District.	
(A) For all lots except those described in (B) and (C) below, five (5) landscape points shall be provided for each three hundred (300) square feet of developed area.	
Total square footage of developed area:	4,315
Total landscape points required:	72
(B) For lots larger than five (5) acres, points shall be provided at five (5) points per three hundred (300) square feet for the first five (5) developed acres; and one (1) point per one hundred (100) square feet for all additional acres.	
Total square footage of developed area:	
Five (5) acres =	
Total five (5) developed acres =	
Remainder of developed area:	
Total landscape points required:	
(C) For the Industrial - Limited (IL) and Industrial - General (IG) districts, one (1) point shall be provided per one hundred (100) square feet of developed area:	
Total square footage of developed area:	
Total landscape points required:	

TABULATION OF LANDSCAPE CREDITS AND POINTS			CREDITS / EXISTING LANDSCAPING		NEW / PROPOSED LANDSCAPING	
PLANT TYPE/ELEMENT	MINIMUM INSTALLATION SIZE	POINTS	QUANTITY	POINTS ACHIEVED	QUANTITY	POINTS ACHIEVED
OVERSTORY DECIDUOUS TREE	2.5' CAL MIN.	35	0	0	2	70
TALL EVERGREEN TREE	5-6' TALL MIN.	35	0	0	0	0
ORNAMENTAL TREE	1.5' CAL MIN.	15	0	0	9	135
UPRIGHT EVERGREEN SHRUB	3-4' TALL MIN.	10	0	0	0	0
SHRUB, DECIDUOUS	#3 CONT., MIN. 12"-24"	3	0	0	31	93
SHRUB, EVERGREEN	#3 CONT., MIN. 12"-24"	4	0	0	9	36
ORNAMENTAL GRASS & PERENNIAL	#1 CONT., MIN. 8"-18"	2	0	0	276	552
ORNAMENTAL / DECORATIVE FENCING OR WALL	4 POINTS / 30 LF	.4	0	0	0	0
EXISTING SIGNIFICANT SPECIMAN TREE	14 POINTS / CAL. (MAXIMUM 200 POINTS PER TREE)	14	0	0	0	0
LANDSCAPE FURNITURE	5 POINTS PER SEAT (WITHIN PUBLICLY ACCESSIBLE DEVELOPED AREA, CANNOT COMPOSE MORE THAN 10% OF TOTAL REQUIRED POINTS)	5	0	0	0	0
SUBTOTAL				0		886
TOTAL NUMBER OF POINTS PROVIDED					886	

- GENERAL NOTES**
- GENERAL: ALL WORK IN THE R-O-W AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS. 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. LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 800-242-8511 FOR UTILITY LOCATIONS AT LEAST 72 HOURS PRIOR TO DIGGING. HAND DIG AND INSTALL ALL PLANTS THAT ARE NEAR EXISTING UTILITIES. PROTECT PREVIOUSLY INSTALLED WORK OF OTHER TRADES. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
 - DELIVERY AND HANDLING: DO NOT DELIVER MORE PLANT MATERIALS THAN CAN BE PLANTED IN ONE DAY, UNLESS ADEQUATE, APPROPRIATE AND SECURE STORAGE IS PROVIDED AND APPROVED BY OWNER'S REPRESENTATIVE. AT ALL TIMES, PROTECT ALL PLANT MATERIALS FROM WIND AND DIRECT SUN. DELIVER PLANTS WITH LEGIBLE IDENTIFICATION LABELS. PROTECT PLANTS DURING DELIVERY AND DO NOT PRUNE PRIOR TO DELIVERY. ALL TREES AND SHRUBS SHALL BE PLANTED ON THE DAY OF DELIVERY; IF THIS IS NOT POSSIBLE, PROTECT THE PLANT MATERIALS NOT PLANTED BY STORING THEM IN A SHADED, SECURE AREA, PROTECTING THE ROOT MASS WITH WET SOIL MULCH, HAY OR OTHER SUITABLE MEDIA. CONTRACTOR TO KEEP ALL PLANT MATERIALS ADEQUATELY WATERED TO PREVENT ROOT DESICCATION. DO NOT REMOVE CONTAINER GROWN STOCK FROM CONTAINERS BEFORE TIME OF PLANTING. DO NOT PICK UP CONTAINER OR BALLED PLANTS BY STEM OR ROOTS. PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE CONTAINER OR BALL. PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED BEST HORTICULTURAL PRACTICES.
 - MATERIALS – PLANTS: ALL PLANTS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST 2 YEARS. PLANTS SHALL BE FRESHLY DUG (DURING THE MOST RECENT FAVORABLE HARVEST SEASON). PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY SUPERIOR IN FORM, COMPACTNESS, AND SYMMETRY. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, AND FREE OF DISEASE AND INSECTS (ADULT EGGS, PUPAE OR LARVAE). THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS AND SHALL BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT THRIVING GROWTH OR PREMATURE MORTALITY. PLANTS SHALL BE OF THE HIGHEST QUALITY, POSSESS TYPICAL GROWTH HABITS AND FORM FOR THEIR SPECIES AND BE FREE OF INJURY. PARKWAY TREES AND PARKING LOT TREES SHALL HAVE A MINIMUM BRANCHING HEIGHT OF SIX (6) FEET ABOVE THE GROUND TO ALLOW ADEQUATE VISUAL AND PHYSICAL CLEARANCE.
 - PRUNING: THE CONTRACTOR SHALL PRUNE ALL TREES AND REPAIR ANY INJURIES THAT OCCURRED DURING THE PLANTING PROCESS. DOUBLE LEADERS, DEAD BRANCHES, AND LIMBS DAMAGED OR PRESENTING MORTALITY SHALL BE PRUNED. THIS SHALL BE THE ONLY PRUNING ALLOWED AT PLANTING. PRUNING SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. PRUNE TREES IN ACCORDANCE WITH MAJ. GUIDELINES. DO NOT TOP TREES. PRUNE SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES. ON CUTS OVER 3/4" IN DIAMETER AND BRUISES OR SCARS ON BARK, TRACE THE INJURED CAMBIAL TISSUE AND REMOVE. SMOOTH AND SHARP WOUNDS SO AS NOT TO RETAIN WATER. TREAT THE AREA WITH AN APPROVED INCONSPICUOUS LATEX BASED ANTISEPTIC TREE PAINT. IF PRUNING OCCURS "IN SEASON", DO NOT PRUNE ANY OAK TREES DURING THE MONTHS FROM APRIL TO OCTOBER.
 - CLEANUP: THE WORK AREA SHALL BE KEPT SAFE AND NEAT AT ALL TIMES. DISPOSED OF EXCESS SOIL. REMOVE ALL CUTTINGS AND WASTE MATERIALS. SOIL AND BRANCHES, BIND AND WRAP THESE MATERIALS, ANY REJECTED PLANTS, AND ANY OTHER DEBRIS RESULTING FROM ALL PLANTING TASKS AND PROMPTLY CLEAN UP AND REMOVE FROM THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL THE ACCUMULATION OF SOIL, BRANCHES OR OTHER DEBRIS BE ALLOWED UPON A PUBLIC PROPERTY IN SUCH A MANNER AS TO RESULT IN A PUBLIC SAFETY HAZARD OR DAMAGE. LIKEWISE, UNDER NO CIRCUMSTANCES SHALL ANY DEBRIS OR INCIDENTAL MATERIALS BE ALLOWED UPON ADJACENT PRIVATE PROPERTY.
 - ANY SUBSTITUTIONS IN PLANT TYPE, LOCATION, OR SIZE SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
 - CONTRACTOR TO VERIFY PLANT MATERIAL QUANTITIES AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER THOSE ON SCHEDULE.

- LANDSCAPE MATERIAL NOTES**
- MATERIALS – PLANTING MIXTURE: ALL HOLES EXCAVATED FOR TREES, SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES SHALL BE BACKFILLED WITH TWO (2) PARTS TOPSOIL, ONE (1) PART SAND AND ONE (1) PART COMPOST. SOIL MIXTURE SHALL BE WELL BLENDED PRIOR TO INSTALLATION.
 - MATERIALS – TOPSOIL: TOPSOIL TO BE CLEAN, FRIABLE LOAM FROM A LOCAL SOURCE, FREE FROM STONES OR DEBRIS OVER 3/4" IN DIAMETER, AND FREE FROM TOXINS OR OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL BE APPLIED BETWEEN 6 AND 7" TOPSOIL AND PLANTING SOIL SHALL BE TESTED TO ENSURE CONFORMANCE WITH THESE SPECIFICATIONS AND SHALL BE AMENDED TO MEET THESE SPECIFICATIONS. PROVIDE TEST RESULTS TO OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT. DO NOT PLACE FROZEN OR MUDDY TOPSOIL. APPLY SOIL AMENDMENTS TO ALL LANDSCAPE AREAS PER SOIL TEST.
 - MATERIALS – SHREDDED HARDWOOD BARK MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE CERTIFIED WEED FREE, SHREDDED HARDWOOD BARK MULCH INSTALLED TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. SHREDDED HARDWOOD BARK MULCH SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. SHREDDED HARDWOOD BARK MULCH AREAS SHALL NOT RECEIVE WOVEN WEED BARRIER FABRIC.
 - MATERIALS – DECORATIVE STONE MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE 1.5" BLUE GRANITE DECORATIVE STONE MULCH SPREAD TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. STONE MULCH AREAS SHALL RECEIVE WOVEN WEED BARRIER FABRIC. NO PLASTIC/IMPERVIOUS BARRIERS WILL BE PERMITTED. EXAMPLE: BLACK VISQUEEN.
 - MATERIALS – TREE & SHRUB RINGS: ALL TREES AND/OR SHRUBS PLANTED IN SEEDD LAWN AREAS TO BE INSTALLED WITH A MINIMUM 4" DIAMETER SHREDDED HARDWOOD BARK MULCH TREE RING SPREAD TO A CONSISTENT DEPTH OF 3-INCHES. ALL TREE RINGS SHOULD BE INSTALLED WITH A 5" DEPTH SHOVEL CUT EDGE AT A 5' DIAMETER ABOUT THE CENTER OF THE TREE PLANTING. A PRE-EMERGENT GRANULAR HERBICIDE WEED-PREVENTER SHOULD BE MIXED WITH MULCH USED TO INSTALL TREE RING AS WELL AS TOPICALLY APPLIED TO COMPLETED INSTALLATION OF TREE RING.
 - MATERIALS – ALUMINUM EDGING: EDGING SHALL BE 1/8" X 5", ALUMINUM EDGING, MILL FINISH. OWNER'S REPRESENTATIVE SHALL APPROVE PRODUCT SPECIFICATION PROVIDED BY LANDSCAPE CONTRACTOR.

- CONTRACTOR AND OWNER RESPONSIBILITY NOTES**
- GUARANTEE: THE CONTRACTOR SHALL GUARANTEE ALL PLANTS THROUGH ONE (1) YEAR AFTER ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PLANTS SHALL BE ALIVE AND IN HEALTHY AND FLOURISHING CONDITION AT THE END OF THE GUARANTEE PERIOD. THE CONTRACTOR SHALL REPLACE (AT NO COST TO OWNER) ANY PLANTS THAT ARE DEAD OR NOT IN A VIGOROUS THRIVING CONDITION. REPLACEMENT PLANTS SHALL BE OF THE SAME KIND AND SIZE AS ORIGINALLY SPECIFIED UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE. RESTORE BEDS AS NECESSARY FOLLOWING PLANT REPLACEMENT, INCLUDING BUT NOT LIMITED TO BEDDING, EDGING, MULCH, ETC. REPLACE PLANTS DAMAGED AT TIME OF PLANTING. REPAIR AREAS DISTURBED IN ANY WAY DURING PLANT REPLACEMENT AT NO COST TO OWNER. CONTRACTOR SHALL PROVIDE A ONE (1)-YEAR STRAIGHTENING GUARANTEE FOR ALL TREES.
 - CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER'S REPRESENTATIVE PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
 - MAINTENANCE: (CONTRACTOR) FOR ALL PLANTINGS, SEEDED AND/OR SODDED LAWN AREAS: THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS AND LAWN AREAS FOR A MINIMUM TIME PERIOD OF 60 DAYS, UNTIL FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY WATERING PLANTS AND LAWN/TURFGRASS DURING THIS 60 DAY ESTABLISHMENT PERIOD. CONTRACTOR IS RESPONSIBLE FOR THE ESTABLISHMENT OF HEALTHY VIGOROUS PLANT MATERIALS AND LAWN/TURFGRASS GROWTH. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRUNING OF PLANT MATERIALS, AND SHAPING AND/OR REPLACEMENT OR SUPPLEMENT OF DEFICIENT SHREDDED HARDWOOD BARK MULCH DURING THIS PERIOD. LONG TERM PLANT MATERIALS AND LAWN/TURFGRASS MAINTENANCE AND ANY PROGRAM FOR SUCH IS THE RESPONSIBILITY OF THE OWNER. ALL PLANTINGS AND LAWN/TURFGRASS AREAS SHALL BE MAINTAINED IN A MANICURED CONDITION UNTIL THE TIME WHEN THE OWNER'S ACCEPTANCE IS GIVEN.
 - MAINTENANCE: (OWNER) THE OWNER IS RESPONSIBLE FOR THE CONTINUED MAINTENANCE, REPAIR AND REPLACEMENT OF ALL LANDSCAPING MATERIALS AND WEED BARRIER FABRIC AS NECESSARY FOLLOWING THE ONE (1) YEAR CONTRACTOR GUARANTEE PERIOD.

CREATE THE VISION TELL THE STORY

jsdinc.com

MADISON REGIONAL OFFICE
507 WEST VERONA AVE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:

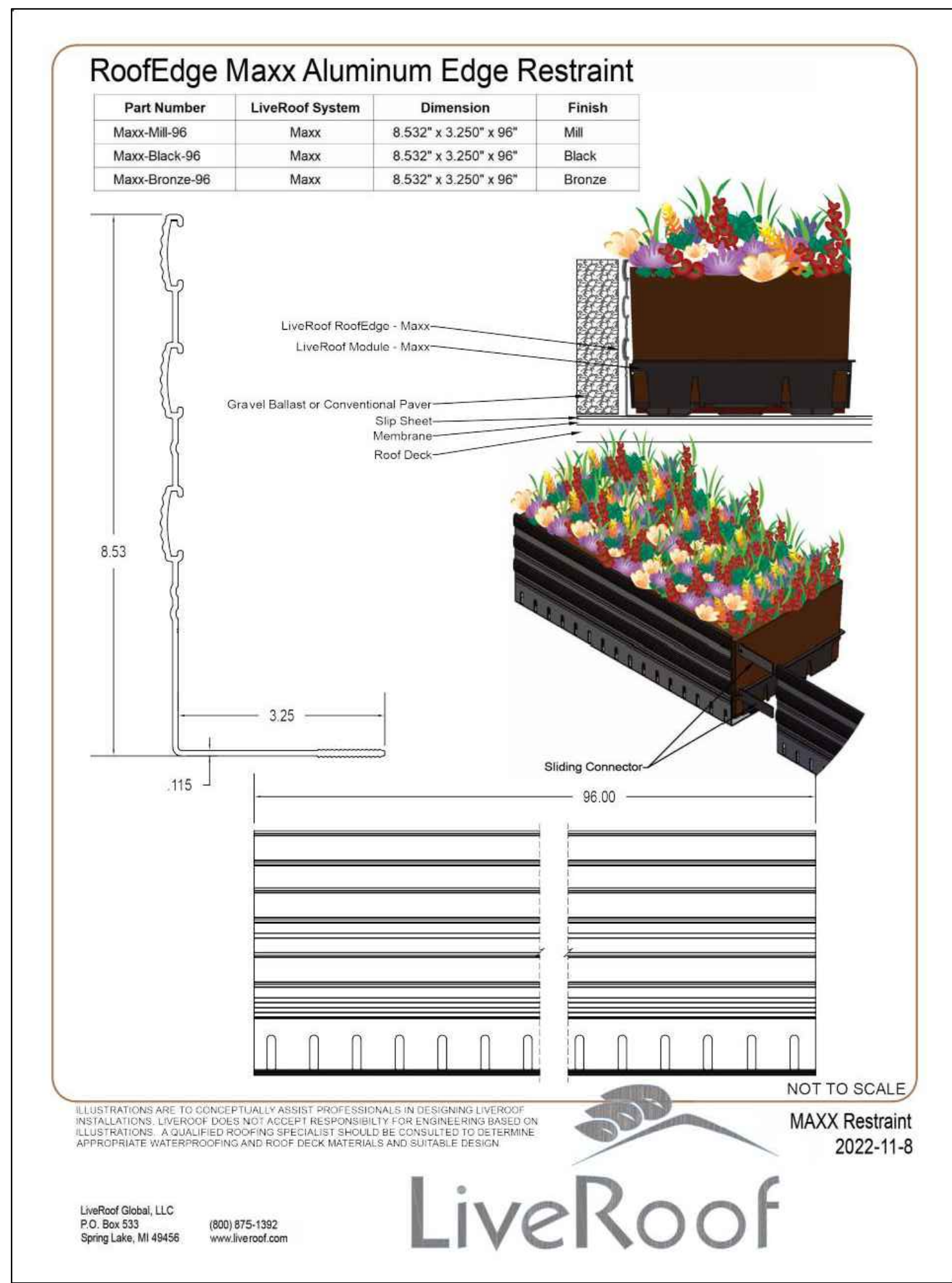
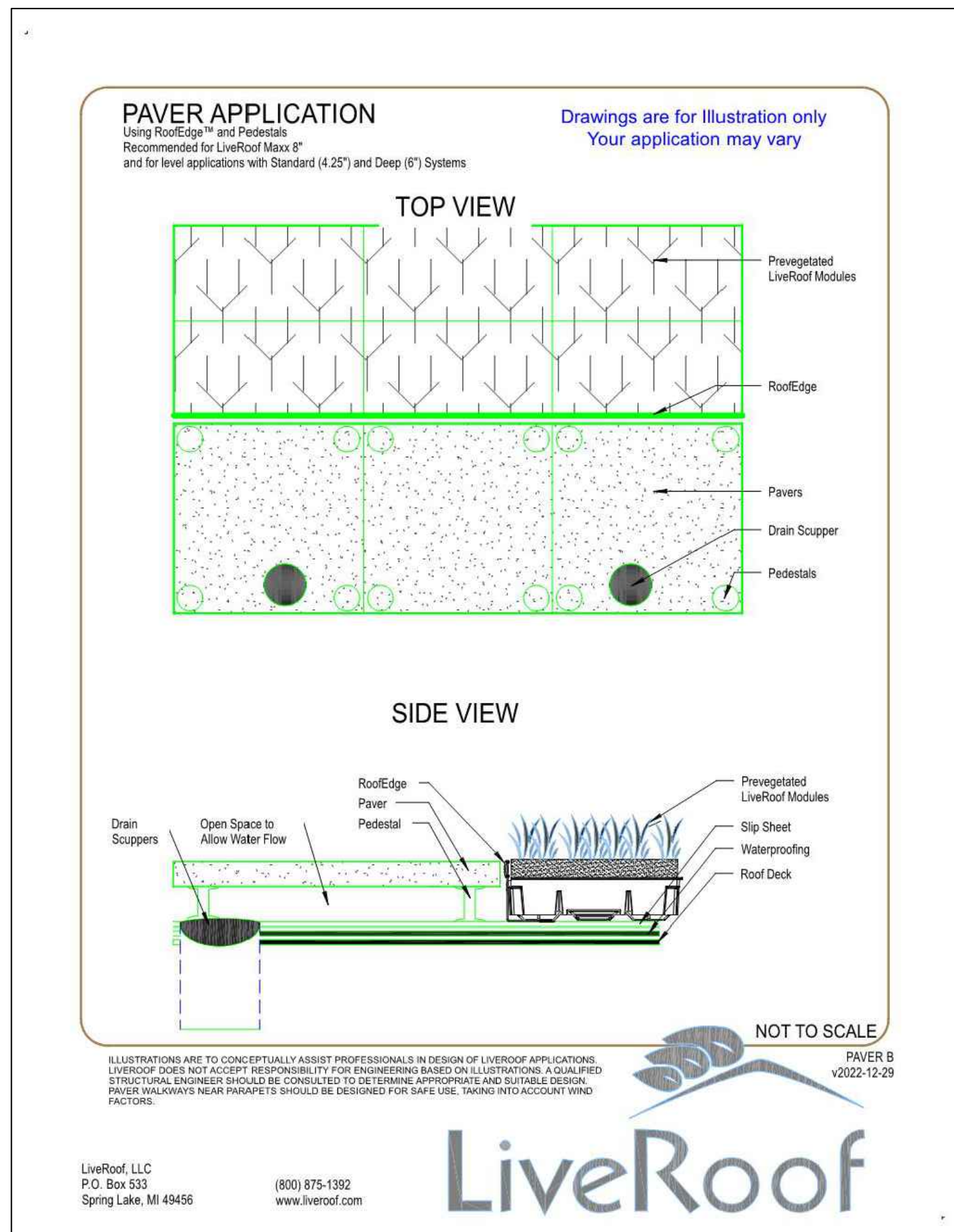
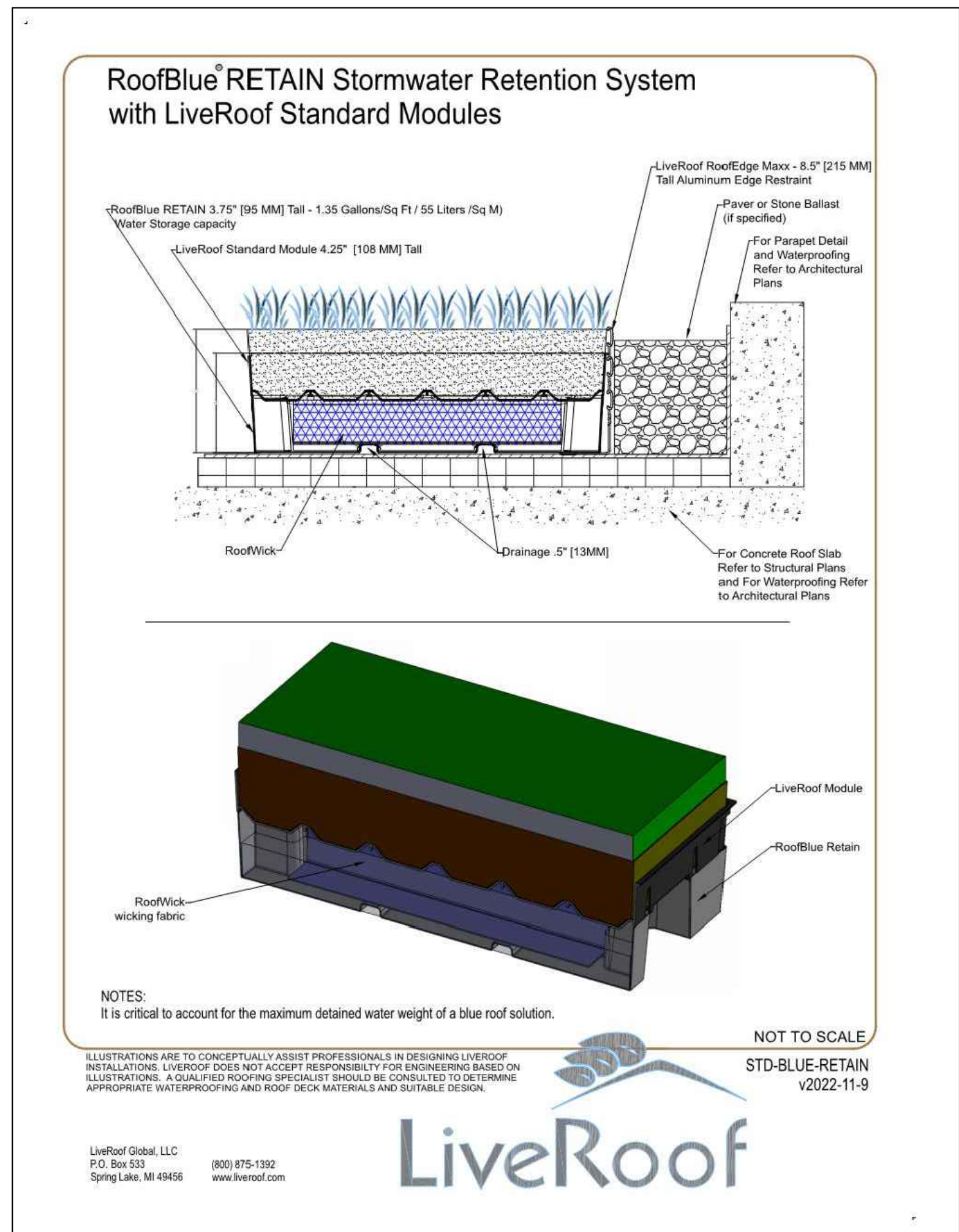
TORQUE COMPANIES

PROJECT:

**139 WEST WILSON ST
REDEVELOPMENT**

PROJECT LOCATION:

**139 WEST WILSON ST
MADISON, WI 53703**



- NOTES**
- DETAILS PROVIDED FOR REFERENCE ONLY. FINAL DETAILING, SPECIFICATIONS AND DRAINAGE REQUIREMENTS SHALL BE PROVIDED BY "LIVEROOF" AND/OR ARCHITECTURAL/MEP TEAM
 - SEDUM TRAYS SHALL CONSIST OF "LIVEROOF" – ROOFBLUE RETAIN – 4.25" DEPTH SYSTEM. "TOUGH EXTREME" ROOFTOP PROVEN PLANT MIX BY LIVEROOF. SEE DETAIL.

PLAN MODIFICATIONS:		
#	Date:	Description:
1	08.04.2025	MUNICIPAL SUBMITTAL
2	10.13.2025	UDC SUBMITTAL
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
Designed By: MRA		
Reviewed By: KJL		
Approved By: KJL		
SHEET TITLE:		
LANDSCAPE		
DETAILS & NOTES		
SHEET NUMBER:		
L2.0		
JSD PROJECT NO: 22-11487		

DIGGERS HOTLINE
Toll Free (800) 242-8511



GLOBE LIGHTS



OBLONG TREE GRATES



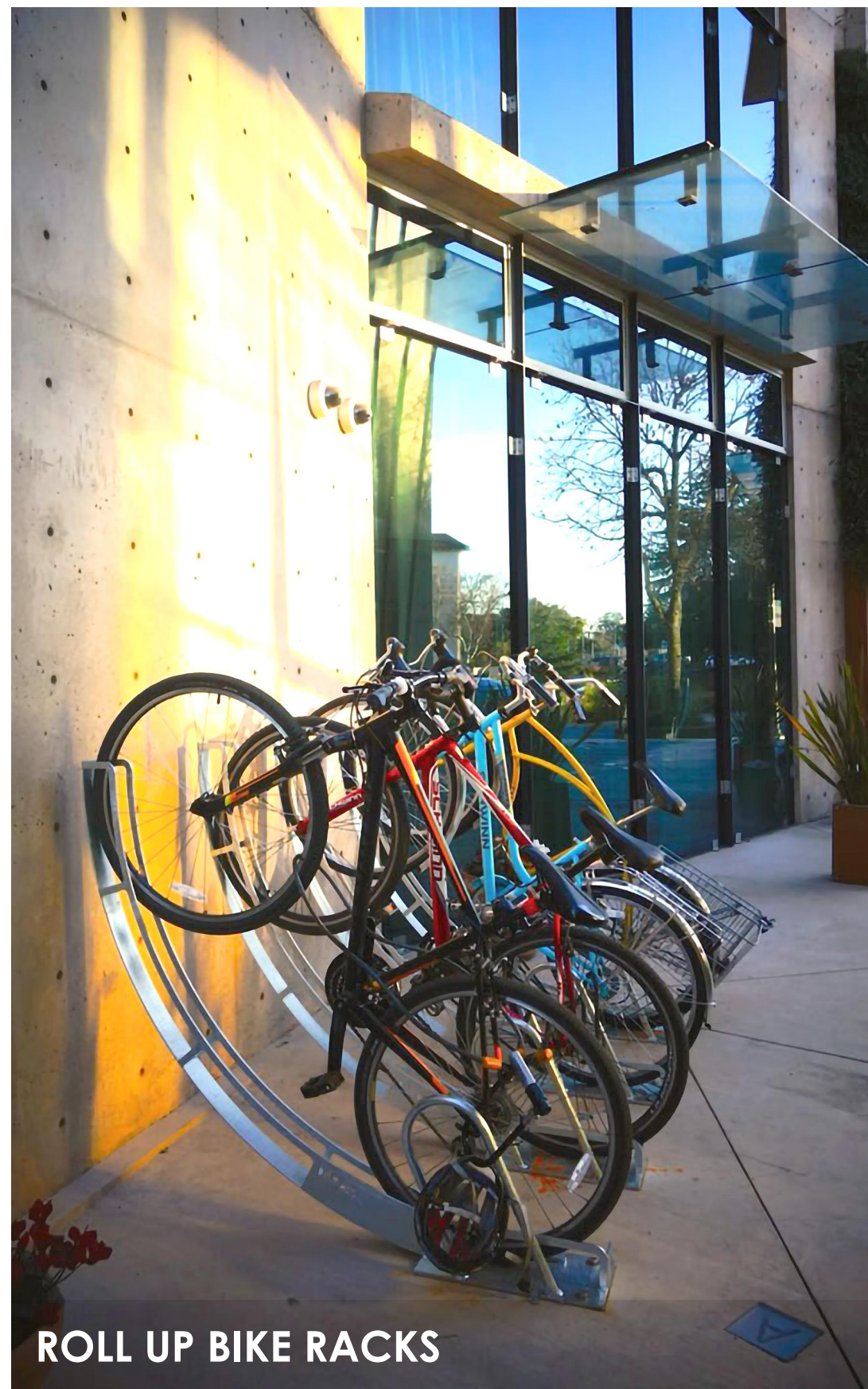
PERGOLA WITH SCREEN WALL



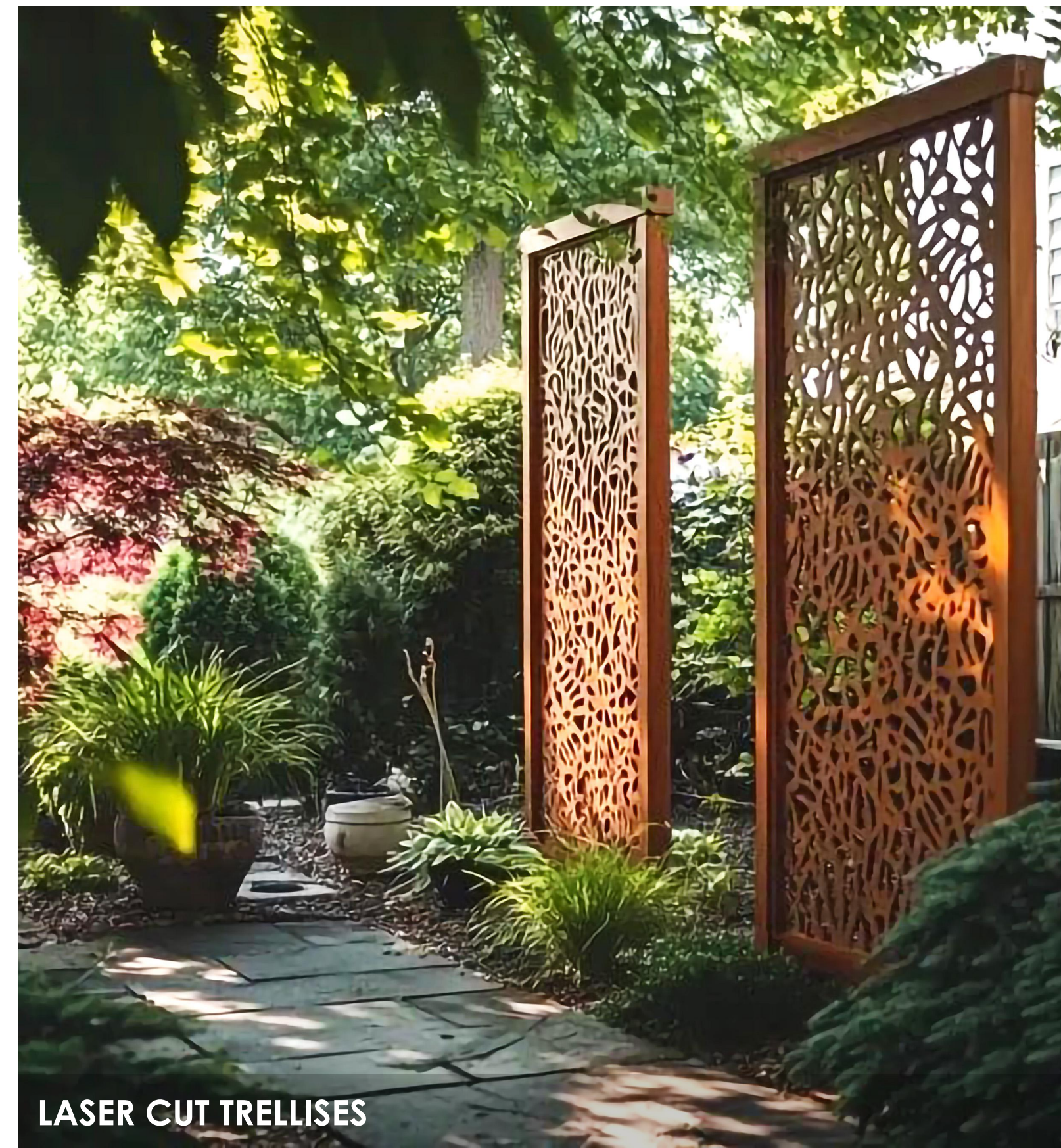
GRILL STATIONS, CERAMIC TILE WALL, & BAR-HEIGHT DINING



SURFACE MOUNTED BIKE RACKS



ROLL UP BIKE RACKS



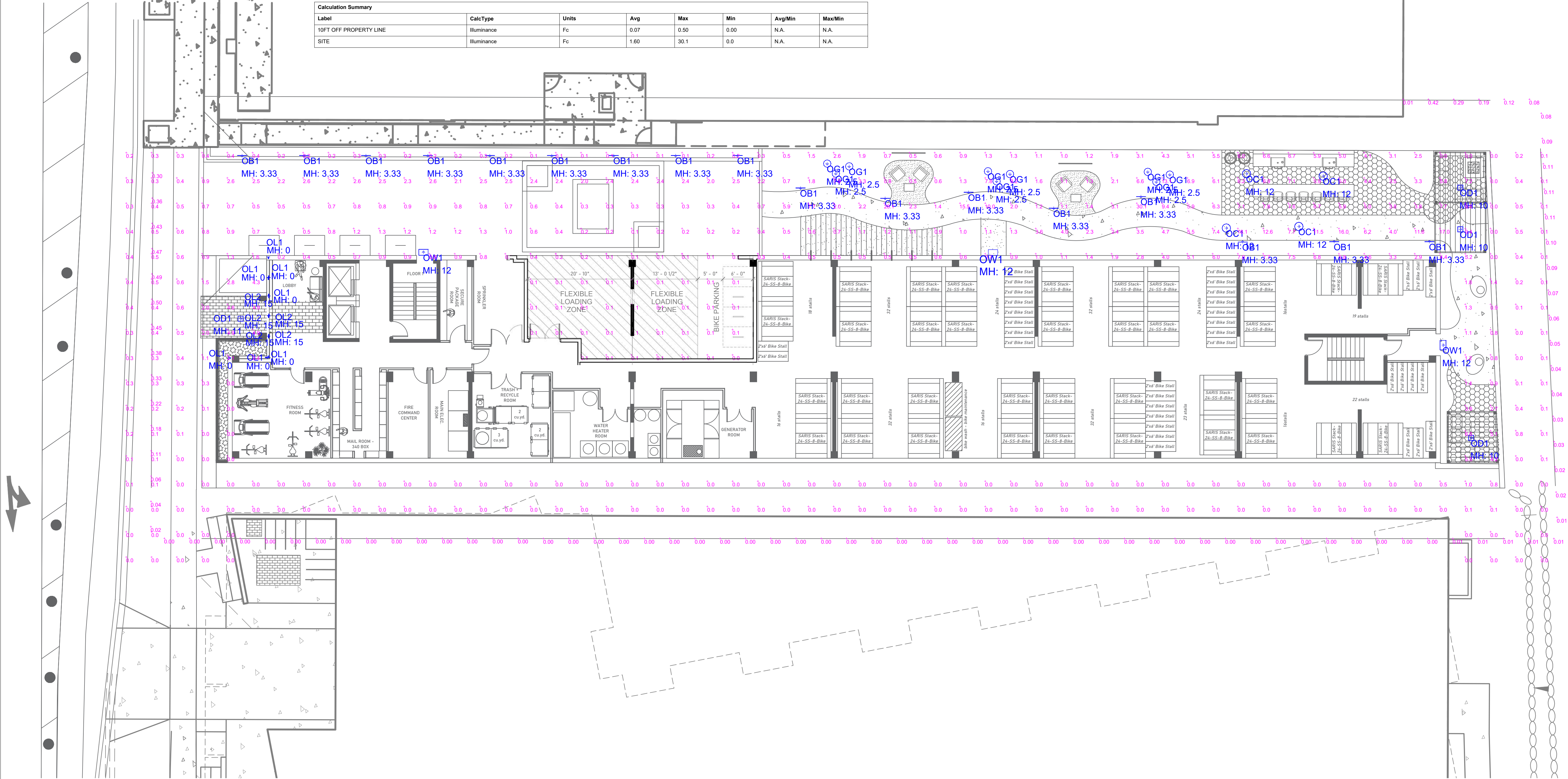
LASER CUT TRELLISES



- 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.

Luminaire Schedule									
Qty	Label	Arrangement	LLF	MFR	Description		Lum. Watts	Total Watts	Lum. Lumens
17	OB1	Single	0.950	TARGETTI	ZPB 41 40 WD L4 XXX XX		15.6	265.2	443
4	OC1	Single	0.950	ANP	EQ101 4 E030LDS T5 XXK		30.62	122.48	3331
4	OD1	SINGLE	0.950	LITHONIA	LDN4SQ xx10 LS4AR LSS		10.58	42.32	877
9	OG1	Single	0.950	DELTA LIGHT	OONO P70 930 DIM8 CR180 XXX		11	99	543
7	OL1	GROUP	0.950	ACOLYTE	NLC-3.0xx-42FT		N.A.	933.94	N.A.
5	OL2	GROUP	0.950	ACOLYTE	NLC-3.0xx-25FT		N.A.	381.2	N.A.
2	OW1	SINGLE	0.950	LITHONIA	WDGE2 LED P0 xxK 80CRI T1S		6.8946	13.789	699

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
10FT OFF PROPERTY LINE	Illuminance	Fc	0.07	0.50	0.00	N.A.	N.A.
SITE	Illuminance	Fc	1.60	30.1	0.0	N.A.	N.A.

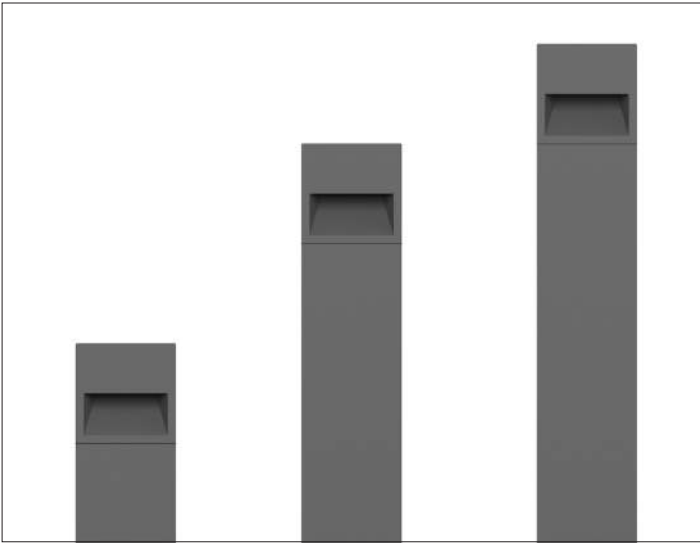




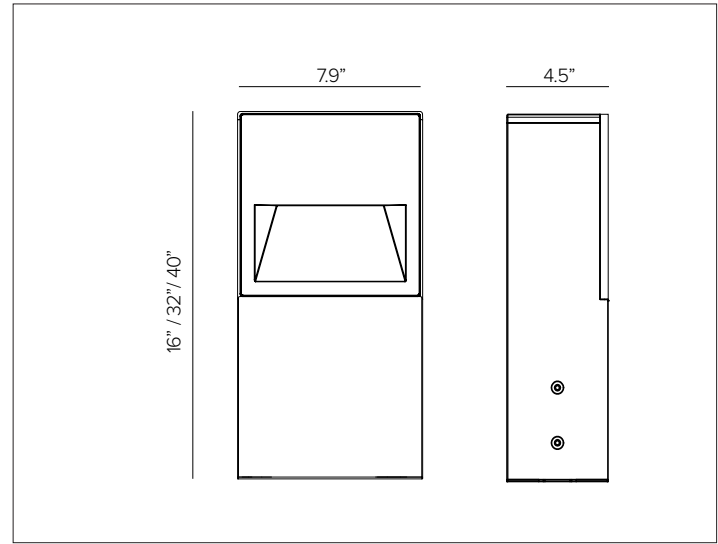
COMMENTS		DATE		#	
REVISIONS					
DRAWN BY : BB		DATE : SEPT 4 2025		SCALE : 3/32" = 1'-0"	
139 WEST WILSON					

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	Rf	Rg	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							OPTIONAL	REQUIRED	
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” 32 – 32” 40 – 40”	DP – Deep WD – Wide AD – Adjustable	L4 – 16W	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K		FE — Ferrite Dark Grey HB — Heritage Brown BZ — Bronze 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.

^A Marine 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.

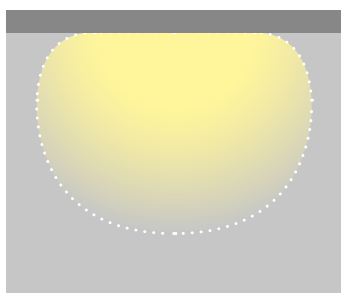
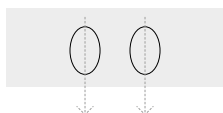
OPTIC VERSIONS

ZEDGE PRO has a unique optical system composed of two independent beams that can 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!



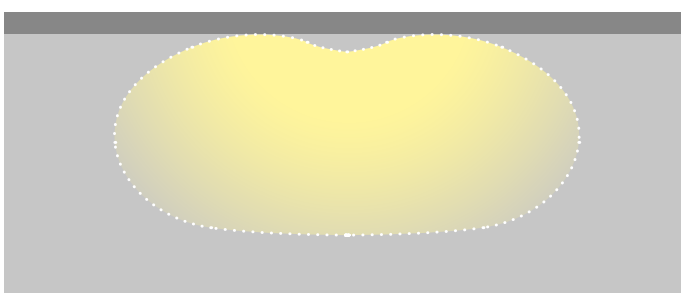
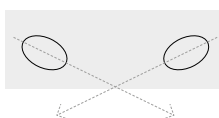
(DP) DEEP

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



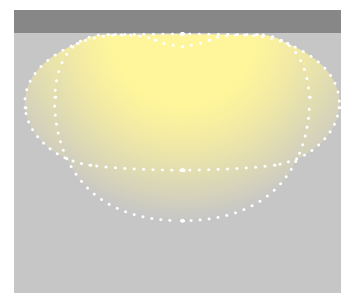
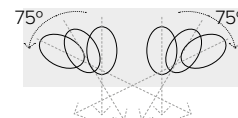
(WD) WIDE

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



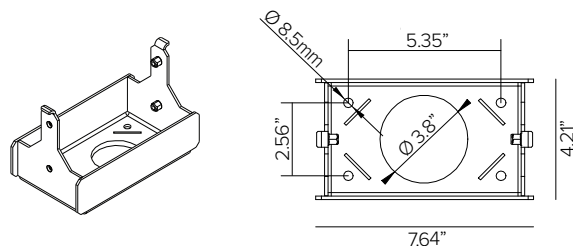
(AD) ADJUSTABLE

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



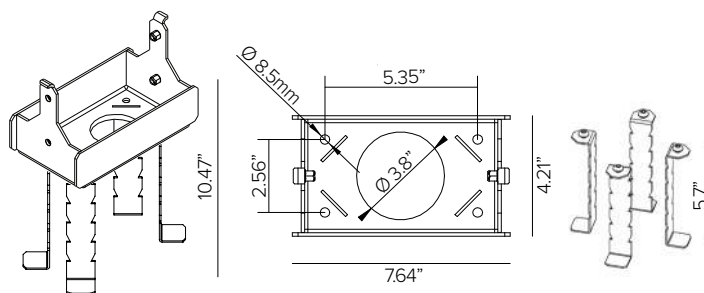
ZEDGE PRO BOLLARD

2 – MOUNTING (REQUIRED)



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

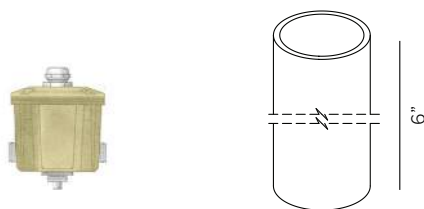
Part No. **1US34501**



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

Part No. **1US34502**

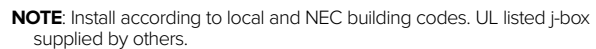
INSTALLATION (REQUIRED)



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**

1US34501 – SURFACE INSTALLATION



4"

POST SIDE VIEW

16.4ft

9.8ft

75°

61°

150°

SENSOR TOP VIEW

10°

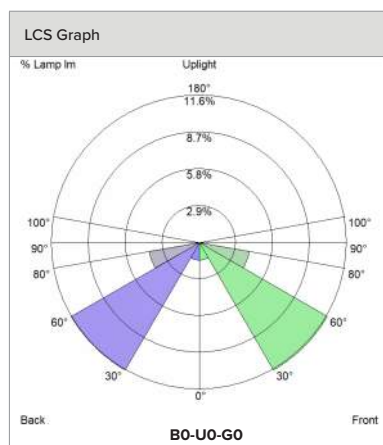
25°

SENSOR SIDE VIEW

ZEDGE PRO BOLLARD

PHOTOMETRY

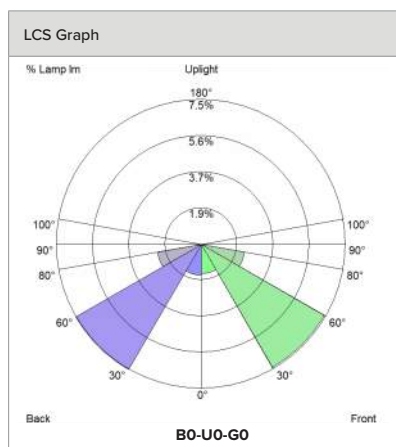
DEEP

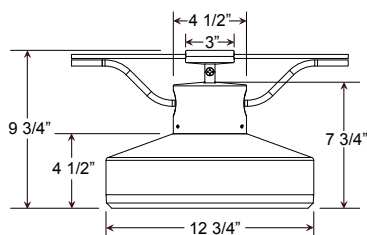


ZEDGE PRO BOLLARD

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.

Electrical:

Black power cord, 18-5 SJTW (Black, White, Green, Purple and Gray) Supplied by others.
20kA max/10kA nominal surge protection device is standard.

Certifications:

UL Listed for outdoor, wet location. Luminaire is IP65, LED is IP66.

Finish:

A polyester powder coat high quality finish.

Marine grade finish is also available.

Modifications:

Consult factory for custom or modified designs.

EQ101
LED

Weight: 15 lbs

EPA: 0.41

Catalog Logic

EQ101

Luminaire Series

4

Catenary Mount

E039LDS

Light Source & Wattage

T5

Optics

40K -

CCT

PC -

Accessories

72

Finish

Catalog Number

EQ101

1

4

2

3

4

5

6

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

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

DRIVER SPECIFICATION

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

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.

WARRANTYSee 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		80CRI							
Lumen Output	Wattage	30K/80CRI		35K/80CRI		40K/80CRI		50K/80CRI	
		Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
ALO1 (500LM)	6	570	99	584	101	597	102	616	105
ALO1 (750LM)	9	903	102	924	103	946	105	975	108
ALO1 (1000LM)	13	1268	98	1297	100	1328	102	1369	104
ALO2 (1000LM)	13	1344	108	1375	110	1408	112	1451	115
ALO2 (1500LM)	19	1961	105	2007	106	2055	108	2118	111
ALO2 (2000LM)	25	2471	99	2528	101	2588	103	2668	105
ALO3 (2000LM)	25	2542	103	2601	104	2663	106	2745	109
ALO3 (2500LM)	32	3069	98	3140	99	3214	101	3314	103
ALO3 (3000LM)	38	3485	93	3566	94	3651	96	3764	98
ALO4 (4000LM)	39	4094	106	4178	108	4262	110	4303	111
ALO4 (4500LM)	44	4519	103	4611	105	4703	107	4750	108
ALO4 (5000LM)	49	4914	100	5015	102	5115	104	5165	105

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

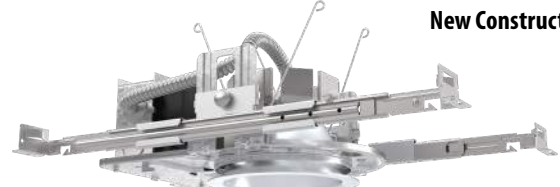
OD1

Notes

Type

LDN4 SWITCHABLE

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

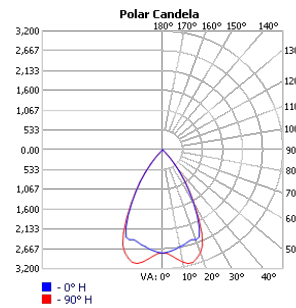


Open Trim

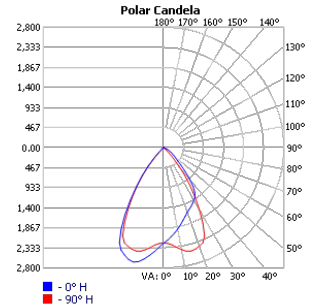


Wallwash Trim

DISTRIBUTIONS



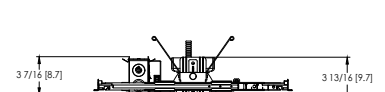
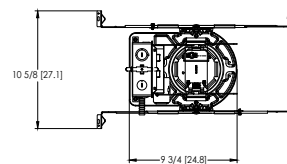
OPEN



Wallwash

DIMENSIONS

LDN4 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

See page 5 for other fixture dimensions.



LDN4 SWW



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 ALO2 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 ALO1 500/750/1000lm ALO2 1000/1500/2000lm ALO3 2000/2500/3000lm ALO4 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 TRALTB ‡ RAL paint trim TCPC ‡ 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 Battery pack (10W constant power) Non-T20 Compliant, integral test switch	NPS80EZ nLight® network power/relay pack with 0-10V dimming	AT ‡ Airtight (IP55)
DALI ‡ DALI dimming to 1%	ELR Battery pack (10W constant power) Non-T20 Compliant, remote test switch	NPS80EZER 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 Battery pack (10W constant power) T20 Compliant, integral test switch	NLTAIR2 nLight® Air enabled	
D1 Minimum dimming 1% driver for use with JOT	E10WCPR Battery pack (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	Lumens and Color Temp restriction note: Fixed Lumens and CCT must be specified together (for example: 10LM 30K). Standard for CP and IP55, not available with WW
E10WCPR	Not available EC1, EC6, QDS, CP, 347V, NPS80EZ ER, NLTAIRER2, NLTAIREM2, or ALO3 (2000-3000L) DALI.
E10WCP	Not available with EC1, EC6, AT, QDS, CP, 347V, NPS80EZ ER, NLTAIRER2, NLTAIREM2, ALO3 (2000-3000L) DALI, OR WL.
E10WRSTAR	Not available with wet location, EC1, EC6, QDS, CP, 347V, NPS80EZ ER, NLTAIRER2, NLTAIREM2, ALO3 & ALO4 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.
ELR	Not available EC1, EC6, QDS, CP, 347V, NPS80EZ ER, NLTAIRER2, NLTAIREM2, or ALO3 (2000-3000L) DALI.
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, NLTAIR2, 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.
NPS80EZER	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, NLTAIR2, NLTAIRER2, NLTAIREM2, D1, OR D10 drivers. Not available with square trim.
ETS	Not available with, QDS, ELR, E10WCP, E10WCPR, 347V, JOT, NPS80EZ, NPS80EZ ER, NLTAIR2, 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, NPS80EZER, ALO1 ROUND TRIM, 05 LUMENS ROUND TRIM, AND 07 ROUND TRIM.
TRALTB, FRALTB	RALTB 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.	
L04 AR ** TRIM	4" clear, specular reflector (** specify finish LS, LSS, or LS)
L04 WR TRIM	4" white reflector
L04 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 (SD, 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	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
ALO1 (500LM)	6	498	87	512	88	526	90	539	92
ALO1 (750LM)	9	789	89	810	91	832	92	853	94
ALO1 (1000LM)	13	1108	86	1138	88	1168	89	1198	91
ALO2 (1000LM)	13	1174	95	1206	97	1238	99	1270	100
ALO2 (1500LM)	19	1714	91	1761	93	1807	95	1854	97
ALO2 (2000LM)	25	2159	87	2218	89	2276	91	2335	92
ALO3 (2000LM)	25	2222	90	2282	92	2342	94	2402	95
ALO3 (2500LM)	32	2682	85	2755	87	2827	89	2900	91
ALO3 (3000LM)	38	3046	81	3129	83	3211	85	3294	86
ALO4 (4000LM)	39	3398	88	3468	90	3537	91	3572	92
ALO4 (4500LM)	44	3751	85	3827	87	3904	89	3942	90
ALO4 (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	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
ALO1 (500LM)	6	561	97	574	99	587	101	606	103
ALO1 (750LM)	9	888	100	908	101	930	103	959	106
ALO1 (1000LM)	13	1246	97	1275	98	1305	100	1346	102
ALO2 (1000LM)	13	1321	106	1352	108	1384	110	1427	113
ALO2 (1500LM)	19	1928	103	1973	105	2020	106	2083	109
ALO2 (2000LM)	25	2429	98	2485	99	2544	101	2623	104
ALO3 (2000LM)	25	2499	101	2557	103	2618	105	2699	107
ALO3 (2500LM)	32	3017	96	3087	98	3160	99	3258	102
ALO3 (3000LM)	38	3426	91	3506	93	3589	95	3700	97
ALO4 (4000LM)	39	4031	104	4113	106	4195	108	4236	109
ALO4 (4500LM)	44	4449	101	4539	103	4630	105	4676	107
ALO4 (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	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
ALO1 (500LM)	6	490	85	503	87	517	89	530	90
ALO1 (750LM)	9	776	87	797	89	818	91	839	93
ALO1 (1000LM)	13	1089	84	1119	86	1148	88	1178	90
ALO2 (1000LM)	13	1155	93	1186	95	1217	97	1248	99
ALO2 (1500LM)	19	1685	90	1731	92	1777	94	1822	95
ALO2 (2000LM)	25	2123	85	2180	87	2238	89	2295	91
ALO3 (2000LM)	25	2184	88	2243	90	2302	92	2362	94
ALO3 (2500LM)	32	2637	84	2708	86	2780	87	2851	89
ALO3 (3000LM)	38	2994	80	3076	81	3157	83	3238	85
ALO4 (4000LM)	39	3346	86	3414	88	3482	90	3516	91
ALO4 (4500LM)	44	3692	84	3768	86	3843	88	3881	88
ALO4 (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

Delivered Lumens = 1.25 x P x LPW

P = Ouput 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.

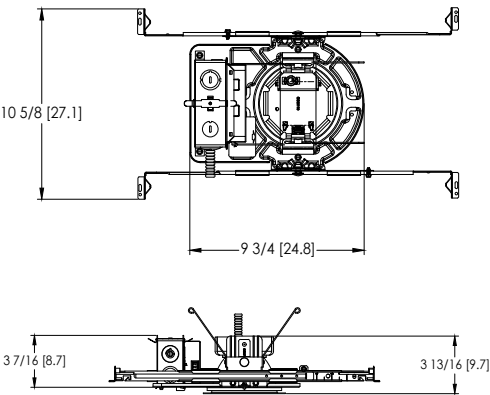
The LPW rating is also available at [Designlight Consortium](#).

LDN4 SWW

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

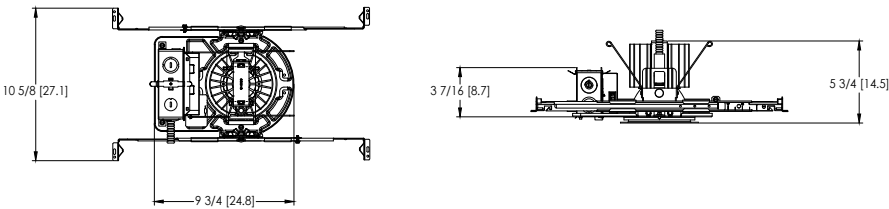
LDN4 SWW1 IC RATING	
AL01	IC
AL02	NON-IC
AL03	NON-IC

LDN4 SWW1 500-2000 Lumens



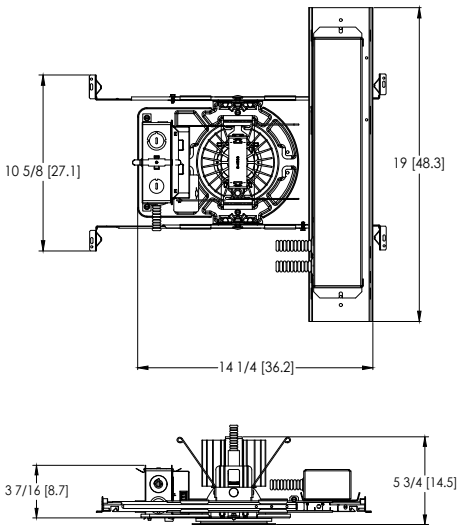
Aperture: Ø 4-5/16" [11]
Ceiling Cutout: Ø 5-1/8" [13] Self-flanged
Overlap Trim: Ø 5-7/16" [13.8]
Ceiling Cutout: Ø 5-1/4" [13.3] Flangeless

LDN4 SWW1 2500-4000 Lumens



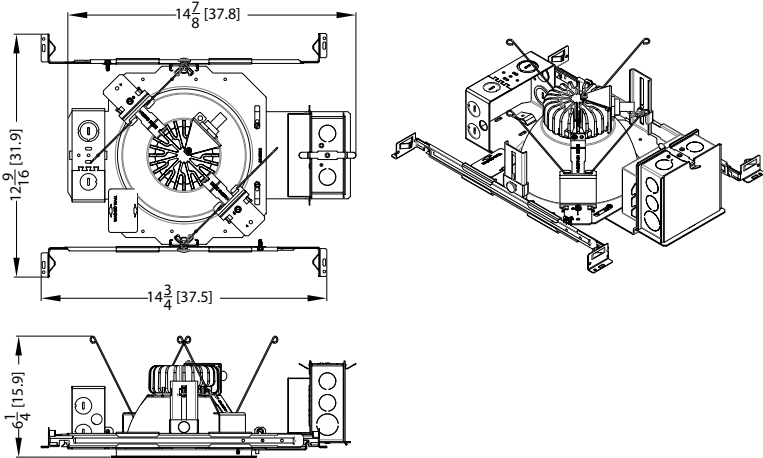
Aperture: Ø 4-5/16" [11]
Ceiling Cutout: Ø 5-1/8" [13] Self-flanged
Overlap Trim: Ø 5-7/16" [13.8]
Ceiling Cutout: Ø 5-1/4" [13.3] Flangeless

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	ALO1 (500-1000lm)	ALO2 (1000-2000lm)	ALO3 (2000-3000lm)	ALO4 (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 600 I	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 10ND	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	ALO1 (500-1000lm)	ALO2 (1000-2000lm)	ALO3 (2000-3000lm)	ALO4 (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	ALO1 (500-1000lm)	ALO2 (1000-2000lm)	ALO3 (2000-3000lm)	ALO4 (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	ALO1 (500-1000lm)	ALO2 (1000-2000lm)	ALO3 (2000-3000lm)	ALO4 (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	ALO1 (500-1000lm)	ALO2 (1000-2000lm)	ALO3 (2000-3000lm)	ALO4 (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-ST-DV-B	YES	YES	YES	YES
Wattstopper	Control System	Digital single relay room controller (0-10V)	LMRC-211	YES	YES	YES	YES
Creston	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.

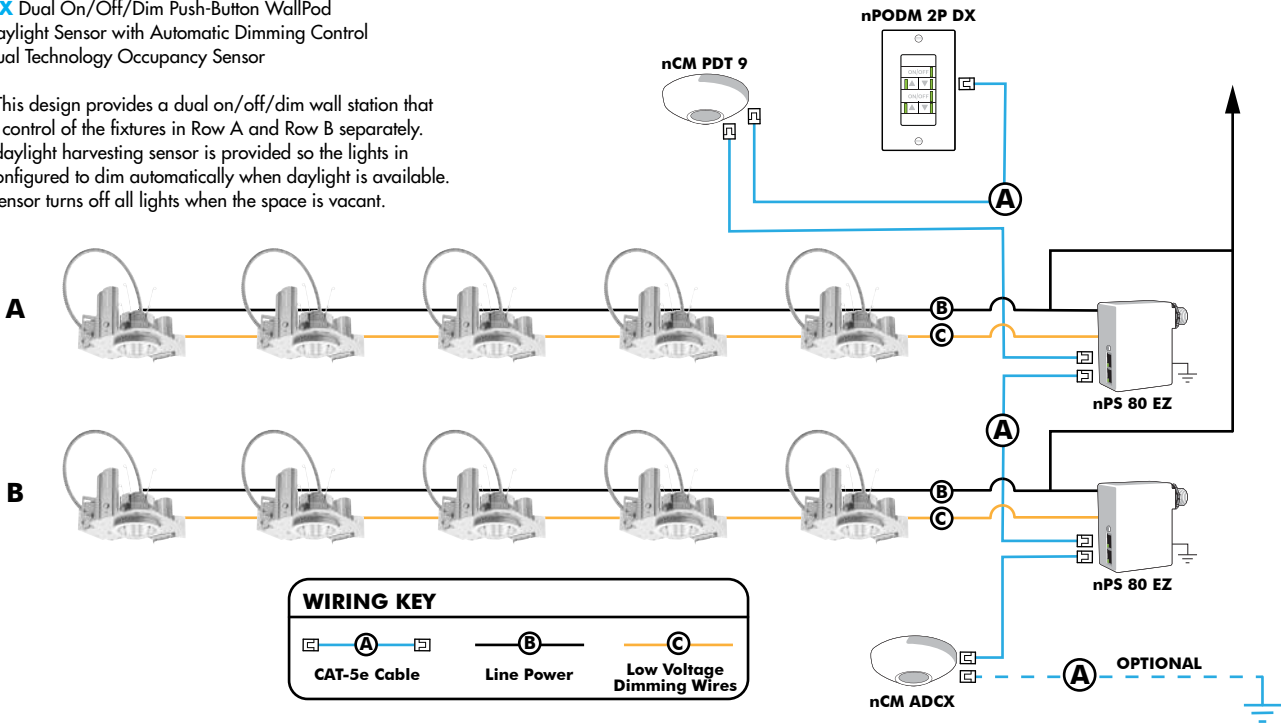
COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DVTV	
	Diva® DVSCTV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis OA2000FAMU	
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*
*Appiication 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.

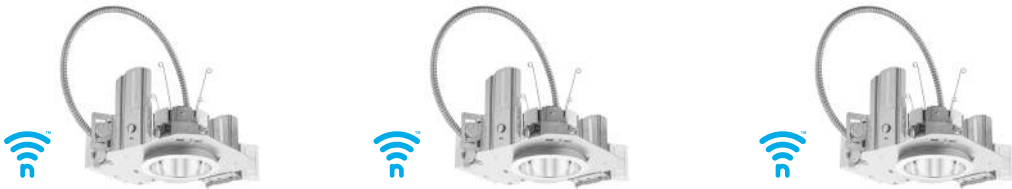
UL924 Sequence of Operation

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

Luminaire	Height	Power*	CCT	Style	Function	Finish	Installation	Application	Controls***
ONB OONO P (Bollard)	4 443mm / 17 ¹ / 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 ³ / ₄ "		30 3000K			N Anthracite	PL Plate Mount PM Pin Mount		

*** Contact factory for additional dimming options

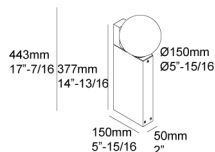
Related Products

Oono F, Oono W (wall)

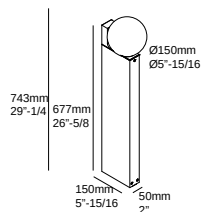


Finish Options

OONO P 4



OONO P 7



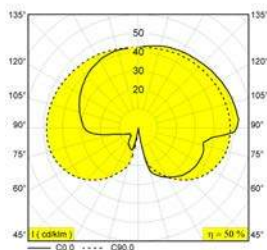
Accessories



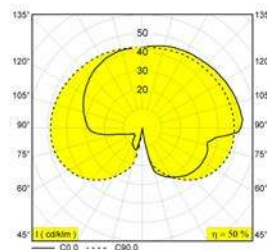
IP68 CONNECTOR 3P
6 216 12 03

Photometric Data

OONO P 4

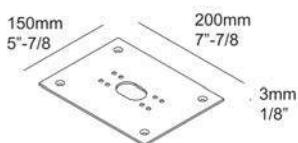


OONO P 7

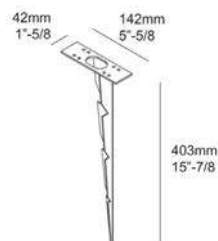


Installation Options

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



RoHS



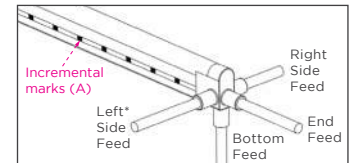
IP67



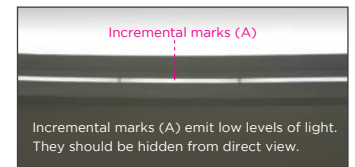
ORDERING GUIDE

Category	Wattage & Color		Power Feed Direction
NLC			
NLC - Neon Contour	3.024 - 3.0 W/ft (9.8 W/m) 2400K	3.0RGB - 3.0 W/ft (9.8 W/m) Red, Green, Blue	E - End Feed
	3.027 - 3.0 W/ft (9.8 W/m) 2700K	3.0VW - 3.0 W/ft (9.8 W/m) Variable White (2400K-6000K)	B - Bottom Feed
	3.030 - 3.0 W/ft (9.8 W/m) 3000K		LS - Left Side Feed*
	3.035 - 3.0 W/ft (9.8 W/m) 3500K		RS - Right Side Feed
Mounting	3.040 - 3.0 W/ft (9.8 W/m) 4000K		* Recommended
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			

POWER FEED OPTIONS



INCREMENTAL MARKS



AVAILABLE COLORS AND COLOR TEMPERATURES



USAGE GUIDELINES

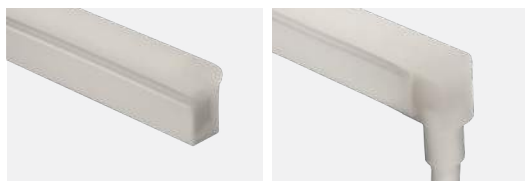
- Neon Contour cannot be cut in the field. All custom cuts and connections for these models must be performed at the factory to ensure waterproofing standards are met. Any modification of the waterproofing will result in a void warranty.
- When installing this product, consider the surface temperature 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 warranted.
- 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
Lumens	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

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 End View	End View Side View
3-pin Male Connector	3-pin Female Connector
Side View End View	End View Side View
4-pin Male Connector	4-pin Female Connector
Side View End View	End View Side View

DIMENSIONS & DIAGRAMS

END FEED	
Side View	End View
Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)	Bottom Width: 0.31 in. (8 mm) Height: 0.67 in. (17 mm) Cable Diameter: 0.24 in. (6 mm) With Mounting Clip Width: 0.42 in. (10.6 mm) Height: 0.85 in. (21.6 mm)

BOTTOM FEED	
Side View	End View
Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)	Bottom Width: 0.31 in. (8 mm) Height: 1.05 in. (26.6 mm) Cable Diameter: 0.24 in. (6 mm) With Mounting Clip Width: 0.42 in. (10.6 mm) Height: 1.05 in. (26.6 mm)

SIDE FEED	
Side View	End View
Max Lengths: Static White: 42 ft 7.81 in. (13 m) Variable White, RGB: 16 ft 4.85 in. (5 m)	Bottom Width: 0.31 in. (8 mm) Height: 0.67 in. (17 mm) Cable Diameter: 0.24 in. (6 mm) With Mounting Clip Width: 0.42 in. (10.6 mm) Height: 0.85 in. (21.6 mm)

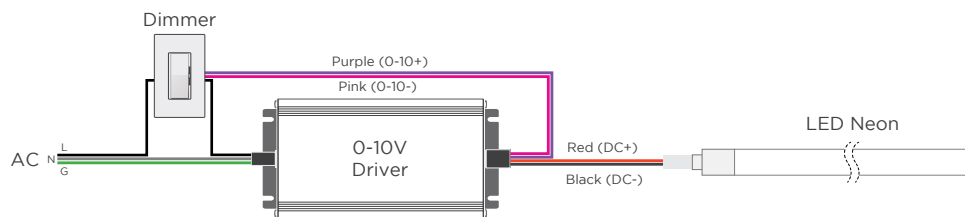
MOUNTING CLIP - Recommended for curved applications with 6 in. (150 mm) on center spacing.	
Top View	End View
Width: 0.42 in. (10.6 mm) Depth: 0.79 in. (20 mm)	Width: 0.42 in. (10.6 mm) Height: 0.61 in. (15.5 mm)

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)	
--	--

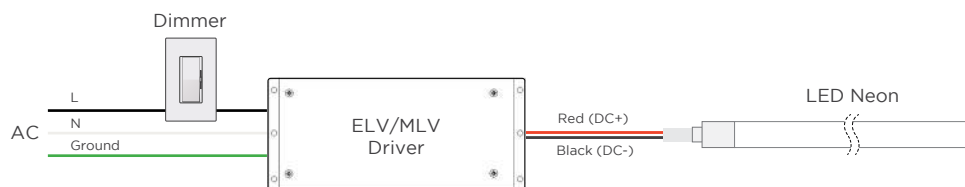
HYDRO SEAL	
The Hydro Seal clinches tightly around the conductors to prevent any water flow from the end of the wire to the circuit board through capillary effect.	

WIRING DIAGRAMS - STATIC WHITE / RGB

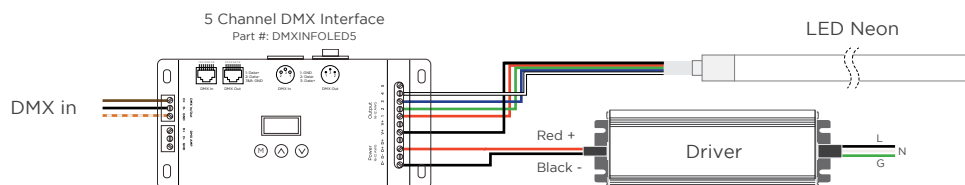
0-10V



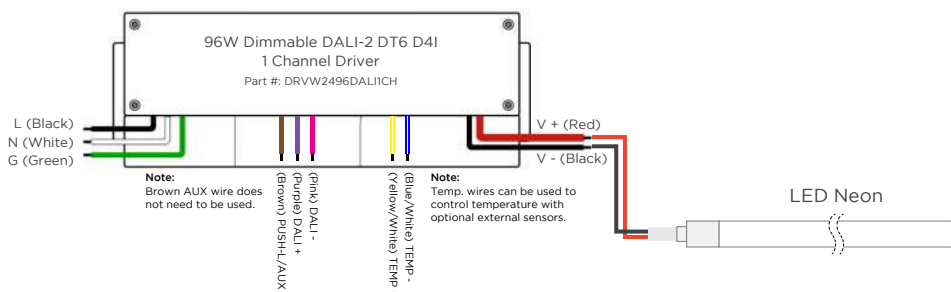
MLV / ELV



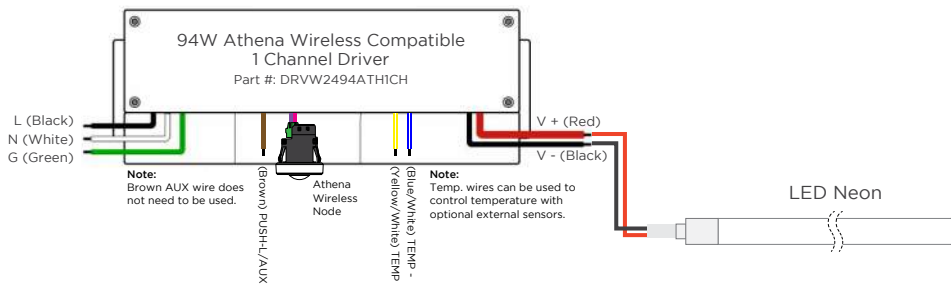
DMX



DALI-2 WIRING WITH STATIC WHITE NEON



STATIC WHITE NEON WIRING WITH ATHENA WIRELESS COMPATIBLE DRIVER



WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE

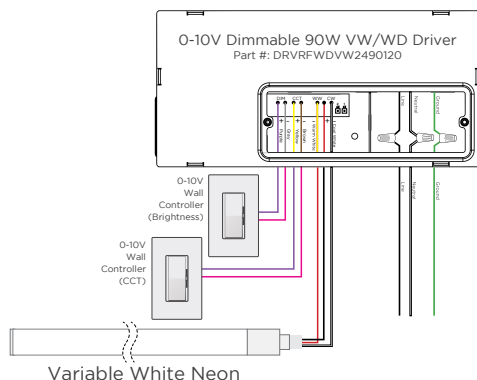
Red Wire (+) Positive
Black Wire (-) Negative

RGB

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

WIRING DIAGRAMS - VARIABLE WHITE

2-CHANNEL VARIABLE WHITE DIMMING

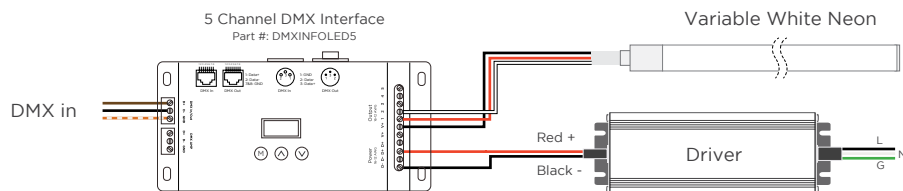


WIRE COLORS PER RIBBONLYTE COLOR

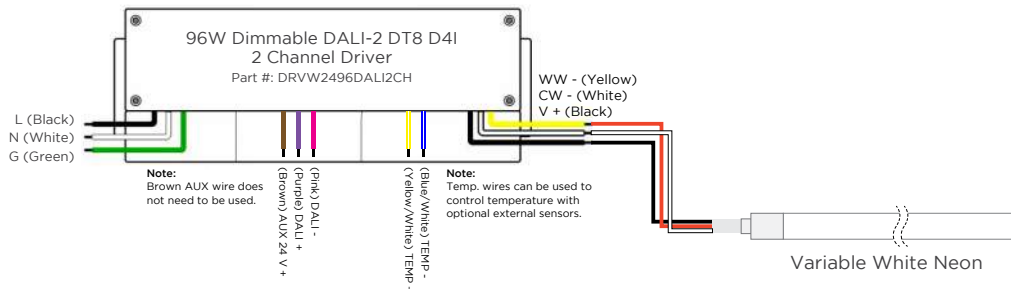
VARIABLE WHITE

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

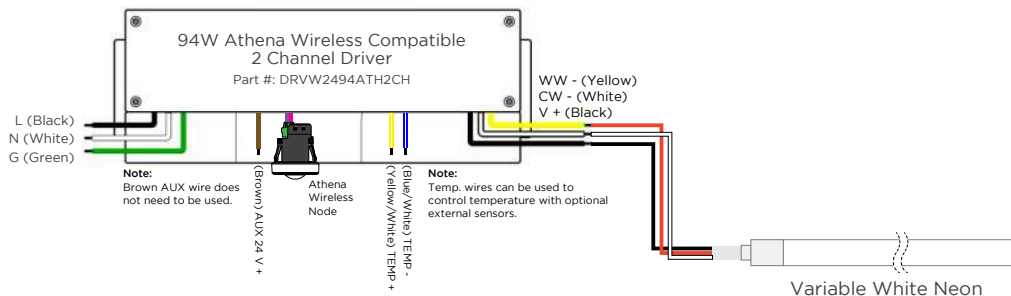
DMX WIRING DIAGRAM - COMPATIBLE WITH ALL MODELS OF VARIABLE WHITE RIBBONLYTE



DALI-2 WIRING WITH VARIABLE WHITE NEON



ATHENA WIRELESS COMPATIBLE DRIVER WIRING WITH VARIABLE WHITE NEON



REV.01AUG2025

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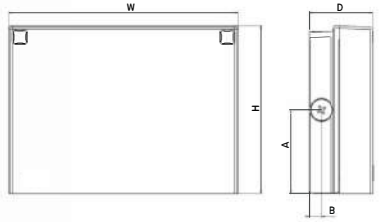


WPX LED Wall Packs

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)

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	PE Photocell ³
WPX3 LED	9,200 Lumens, 69W			

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.



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

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

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

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

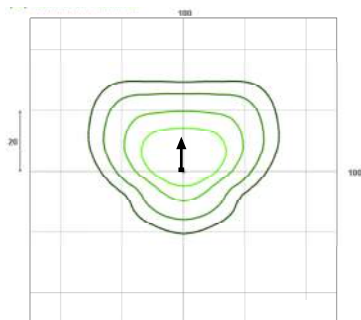
Photometric Diagrams

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

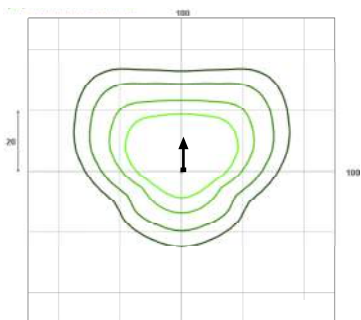
LEGEND

0.1 fc
0.2 fc
0.5 fc
1.0 fc

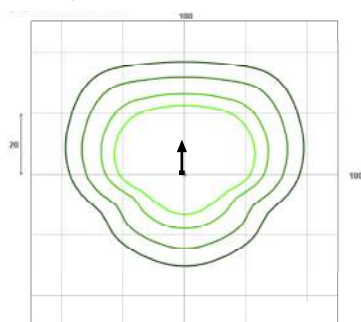
WPX1 LED P1



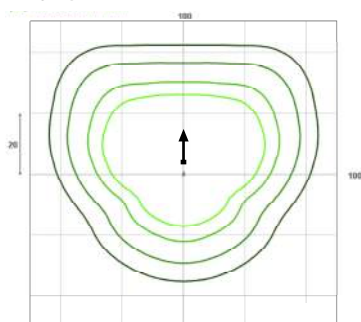
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.