

URBAN DESIGN COMMISSION APPLICATION

UDC

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



FOR OFFICE USE ONLY:

Date Received 3/27/25 2:09 p.m.

Initial Submittal

Paid

Revised Submittal

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

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

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

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

1. Project Information

Address (list all addresses on the project site): _____

Title: _____

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

UDC meeting date requested _____



New development

Alteration to an existing or previously-approved development

Informational

Initial Approval



Final Approval

3. Project Type



Project in an Urban Design District

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

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

Planned Development (PD)

General Development Plan (GDP)

Specific Implementation Plan (SIP)

Planned Multi-Use Site or Residential Building Complex

Signage

Comprehensive Design Review (CDR)

Modifications of Height, Area, and Setback

Sign Exceptions as noted in [Sec. 31.043\(3\)](#), MGO

Other

Please specify

4. Applicant, Agent, and Property Owner Information

Applicant name _____

Street address _____

Telephone _____

Project contact person _____

Street address _____

Telephone _____

Property owner (if not applicant) _____

Street address _____

Telephone _____

Company _____

City/State/Zip _____

Email _____

Company _____

City/State/Zip _____

Email _____

City/State/Zip _____

Email _____

Introduction

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

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

Types of Approvals

There are three types of requests considered by the UDC:

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

Presentations to the Commission

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

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

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

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

1. Informational Presentation

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

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

Requirements for All Plan Sheets

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

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

2. Initial Approval

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

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

3. Final Approval

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

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

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

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

5. Required Submittal Materials



Application Form

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



Letter of Intent

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



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



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



Electronic Submittal

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



Notification to the District Alder

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

6. Applicant Declarations

- Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with _____ on _____.
- The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of applicant _____ Relationship to property _____

Authorizing signature of property owner _____ Date _____

7. Application Filing Fees

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

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



Urban Design Districts: \$350 (per [§33.24\(6\) MGO](#)).

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

Comprehensive Design Review: \$500
(per [§31.041\(3\)\(d\)\(1\)\(a\) MGO](#))

Minor Alteration to a Comprehensive Sign Plan: \$100
(per [§31.041\(3\)\(d\)\(1\)\(c\) MGO](#))

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

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

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



March 10, 2025

City of Madison
Urban Design Commission
215 Martin Luther King Jr. Blvd
P.O. Box 2985
Madison, WI 53701-2985

RE: UDC Final Approval: Letter of Intent
5001 Femrite Drive (New Office/Warehouse)

Dear Commission Members:

On behalf of Wisconsin Development Partners, Sketchworks Architecture is submitting this letter of intent and application for this project for a final approval of Concept Site, Building Plans, and Elevations at 5001 Femrite Drive. Our submittal is for a new 55,000 SF warehouse building with 1 planned tenant. The building will be a single-story precast concrete building with roughly 10,000 SF of office space. This submittal was initially approved at the February 19th UDC meeting.

The site is zoned Industrial Limited (IL), and the intended use is allowed under this zoning. Any tenant conditional use beyond the initial shell building will be submitted for review on a tenant-by-tenant basis and is not intended to be a part of this review. The site is also part of Urban Design District #01 and has been designed in accordance with those guidelines.

On December 5th, we presented our concept in a DAT meeting and have incorporated their feedback into our plans. On March 4th we presented our updates in a UDC preapplication meeting with Jessica Vaughn. Below is a summary of the changes we have included to address the comments made by the commission.



Landscape

We have addressed the landscape comments directly, as listed below:

- We have added the specifications to the bioretention basin planting detail.
- We have updated the specification of the mulch to now be dye free hardwood mulch.
- We replaced the plants on the north side with more shade tolerant varieties.
- We also increased the total number of perennials by roughly 95% in addition to increasing the amount of general building foundation plantings for increased density.
- We verified that we meet the requirements for the vision triangles for traffic engineering.

Blank Wall Articulation

The large white portions of the walls have been given vertical reveals matching the rhythm of the precast panels to add some pedestrian scale texture to the otherwise blank panels. These reveals are 1" deep and terminate in a horizontal reveal that is 1" deep and painted dark gray for a deliberate transition point.

Additional Context

Additional context has been added through both photographs of the existing site and surrounding areas, as well as more refined renderings illustrating the relationship of the proposed structure to the surrounding buildings and landscape we are proposing.

Parapet Detailing

We have wrapped the parapet around the building at both the northeast and southeast corners to make the visual transitions smoother along the edges of the building. We will cricket the roof pitch to maintain our proposed roof drainage system. We have also removed the step in the parapet wall on both the north and south facade for consistency along the street facing facades.

Project Team

The key individuals and firms involved in this planning and design process include:

Building Owner:

Wisconsin Development Partners, LLC
3351 Dairy Drive
Madison, WI 53716
Contact: Tyler Marks
(866) 432-1711

Architect:

Sketchworks Architecture, LLC
2501 Parmenter Street, Suite 300A
Middleton, WI 53562
Contact: Ian Luecht
(608) 836-7570



Civil Engineering:

Wyser Engineering
312 East Main Street
Mount Horeb, WI 53571
Contact: Wade Wyse
(608) 437-1980

General Contractor:

Lionshare Group, LLC
7818 Big Sky Drive
Madison, WI 53719
Contact: James Spahr
(608) 235-6499

Thank you for your time and Input, and please feel free to contact us with any questions you may have regarding this request.

Respectfully,

Ian Luecht
Sketchworks Architecture, LLC

FEMRITE FLEX BUILDING

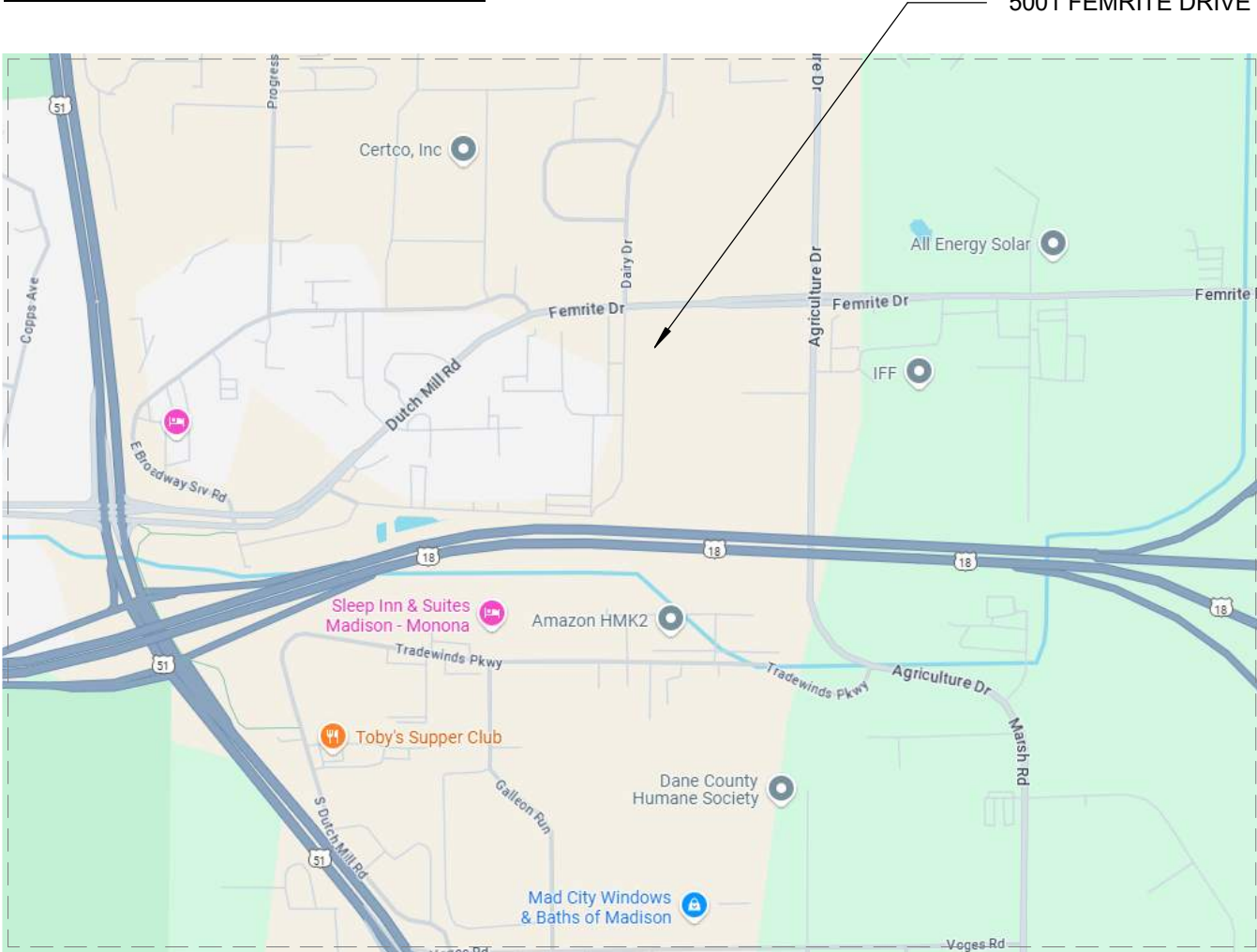
5001 FEMRITE DRIVE
MADISON, WI

SHEET INDEX

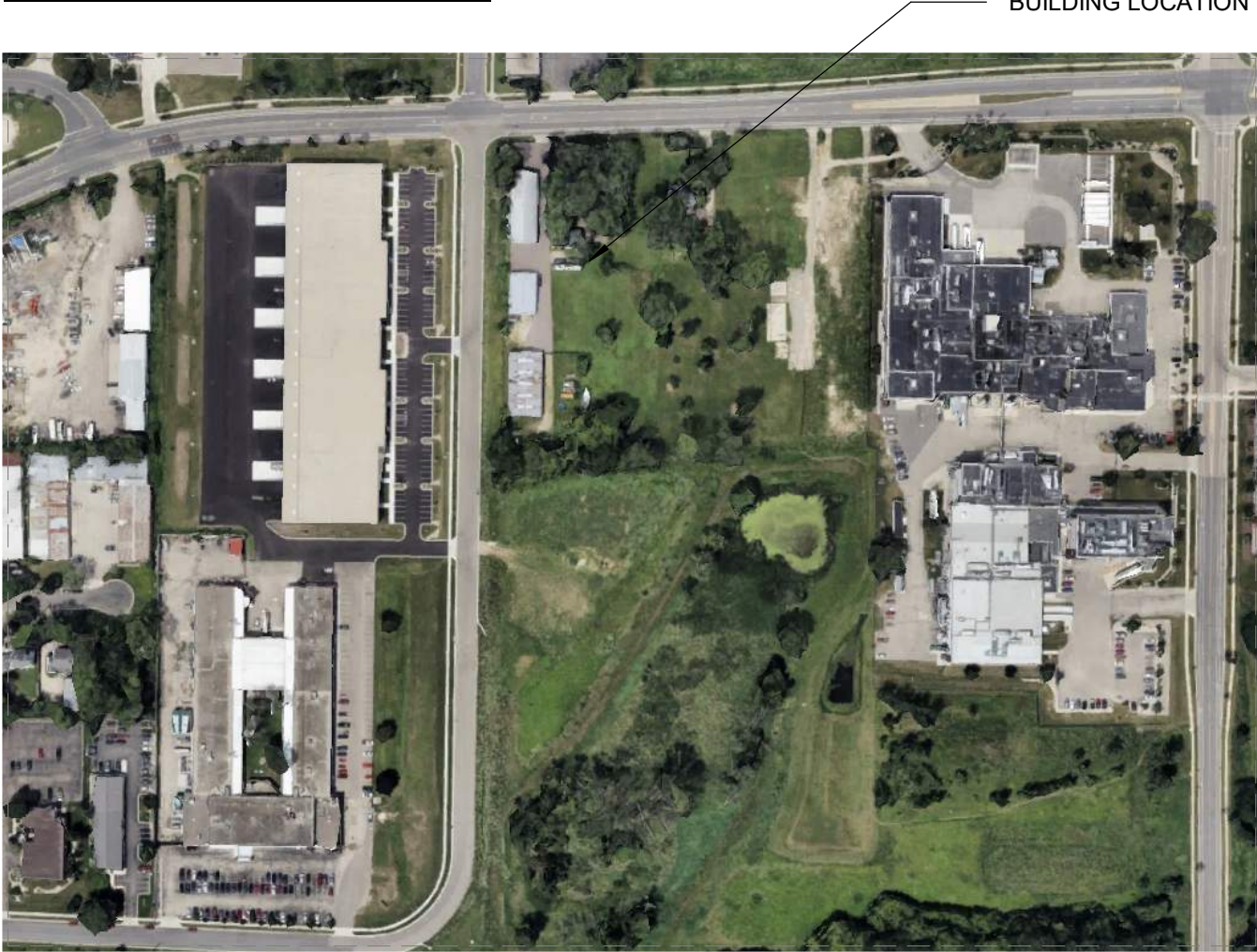
SHEET NUMBER	SHEET NAME	REVISIONS	
		MARK	DATE
GENERAL			
G001	COVER SHEET		
G003	CONTEXT PHOTOS		
CIVIL			
C100	SITE PLAN		
C101	DEMOLITION PLAN		
C200	GRADING AND EROSION CONTROL PLAN		
C201	DETAILED GRADING		
C300	UTILITY PLAN		
LANDSCAPE			
L100	LANDSCAPING PLAN		
ARCHITECTURAL			
A101	FLOOR PLAN		
A104	ROOF PLAN		
A201	EXTERIOR ELEVATIONS		
A202	EXTERIOR ELEVATIONS - COLOR		
A203	EXTERIOR PERSPECTIVES		
A204	EXTERIOR PERSPECTIVES (BEFORE/AFTER)		
A205	EXTERIOR PERSPECTIVES (BEFORE/AFTER)		
A206	EXTERIOR PERSPECTIVES (BEFORE/AFTER)		
A207	EXTERIOR PERSPECTIVES (BEFORE/AFTER)		



PROJECT LOCATION



BUILDING LOCATION



FEMRITE FLEX BUILDING
TENANT IMPROVEMENT
5001 FEMRITE DRIVE
MADISON, WI

Project Status

2025.02.03	UDC SUBMITTAL
2025.03.26	UDC SUBMITTAL - FINAL

PROJ. #: 24188-01

© SKETCHWORKS
ARCHITECTURE 2025

COVER SHEET

G001

UDC SUBMITTAL - FINAL

PROJECT CONTACTS:

OWNER:
WISCONSIN DEVELOPMENT PARTNERS
3351 DAIRY DRIVE
MADISON, WI 53716

CONTACT:
TYLER MARKS (OWNER)
866-432-1711

ARCHITECT:
SKETCHWORKS ARCHITECTURE, LLC
2501 PARMENTER STREET, SUITE 300A
MIDDLETON, WI 53562

CONTACT:
STEVE SHULFER (ARCHITECT)
IAN LUECHT (DESIGNER / CONTACT)
608-836-7570

GENERAL CONTRACTOR:
LIONSHARE GROUP
7818 BIG SKY DRIVE
MADISON, WI 53719

CONTACT:
JAMES SPAHR (OWNER)
608-235-6499

D

C

B

A

1

2

3

4



NEIGHBORING BUILDING AT 3351 DAIRY DRIVE



DANISCO INDUSTRIAL BUILDING FACING 5001 FEMERITE



DANISCO INDUSTRIAL BUILDING FRONT



CAPITAL CITY SHEET METAL FACING FEMRITE DRIVE



ECLIPSE BUILDING FACING DAIRY DRIVE



ECLIPSE BUILDING SIDE



EXISTING BUILDINGS AT 5001 FEMRITE DRIVE FACING DAIRY DRIVE



INDUSTRIAL FLEX BUILDING FACING DAIRY DRIVE



INDUSTRIAL FLEX BUILDING FACING DAIRY DRIVE

FEMRITE FLEX BUILDING
TENANT IMPROVEMENT
5001 FEMRITE DRIVE
MADISON, WI

Project Status

2025.02.03	UDC SUBMITTAL
2025.03.07	UDC SUBMITTAL - FINAL

PROJ. #:	24188-01
© SKETCHWORKS ARCHITECTURE 2025	

CONTEXT
PHOTOS

- ALL STALLS ARE 9-FEET WIDE X 18-FEET LONG
- DRIVEWAYS ARE 24-FEET WIDE
- RADII AT DRIVEWAY INTERSECTIONS ARE 5-FEET
- RADII INTO PARKING AREAS ARE 2.5-FEET
- SIDEWALKS ARE 7-FOOT WIDE ADJACENT TO PARKING FOR BUMPER OVERHANG

THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION / PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.

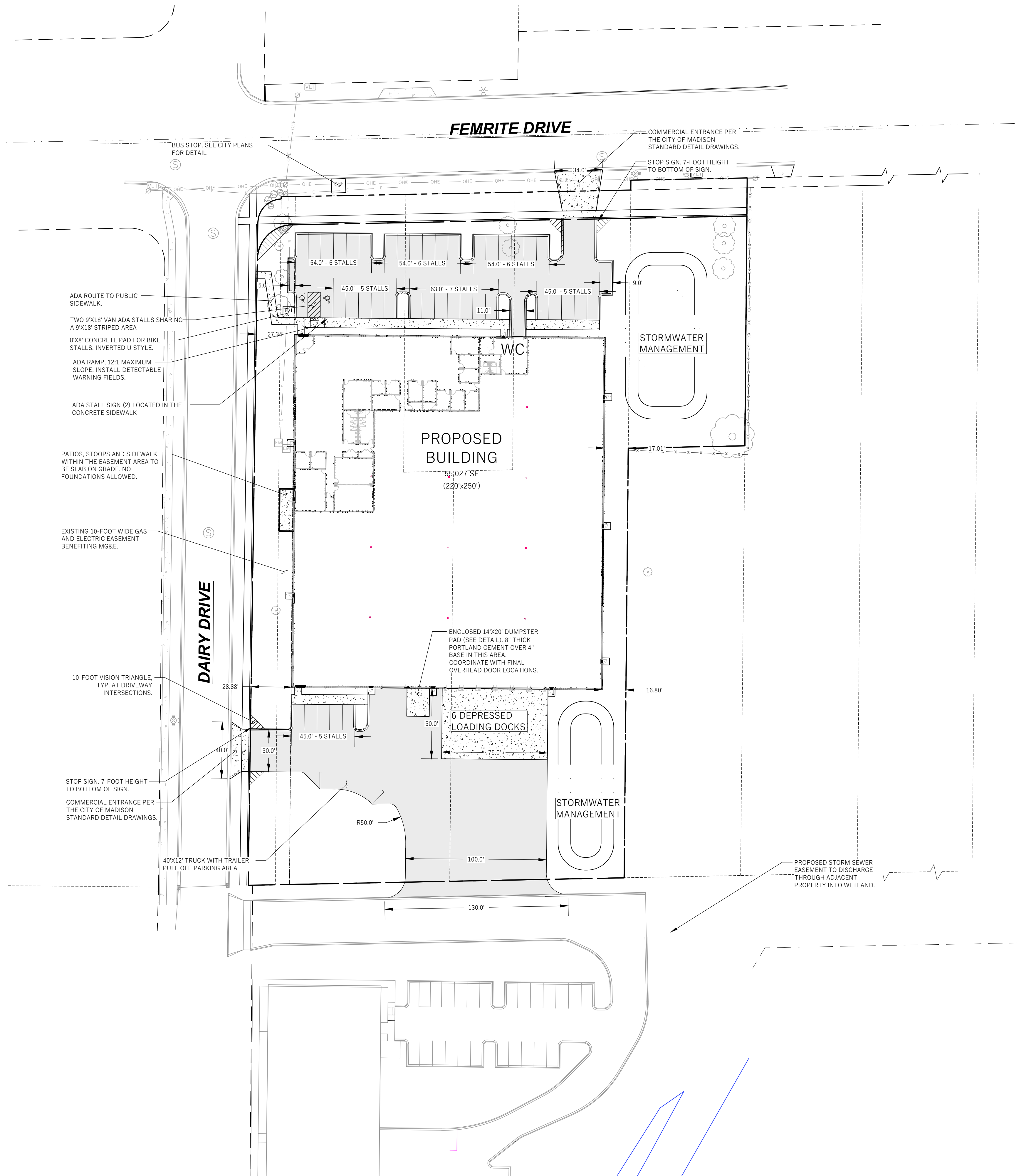
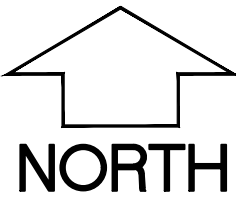


Diagram illustrating the cross-section of a stormwater treatment facility, showing the following layers and components from top to bottom:

- PROPOSED PROPERTY BOUNDARY
- EASEMENT
- BUILDING FOOTPRINT
- 18" CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- STORMWATER TREATMENT FACILITY



1. UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS PROVIDED TO WYSER ENGINEERING. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LAND IF REQUIRED.
3. WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
4. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
5. ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS.

SITE ADDRESS (LOT 1, CSM _____): 5001 - 5013 FEMRITE DRIVE
SITE ACREAGE: 145,110 SQ.FT. (3.33 AC)
RIGHT-OF-WAY TAKING: 7,554 SQ.FT. (0.17 AC)
REMAINING DEVELOPABLE LOT AREA: 137,556 SQ.FT. (3.16 AC)
USE OF PROPERTY: INDUSTRIAL
ZONING: INDUSTRIAL LIMITED (IL)
MAXIMUM LOT COVERAGE: 75% (103,167 SQ.FT.)

SETBACKS:
FRONT YARD - FEMRITE DRIVE: 0-FEET
SIDE YARD - WEST: 0-FEET
SIDE YARD - EAST: 0-FEET
REAR YARD - SOUTH: 30-FEET

TOTAL NUMBER OF PARKING STALLS: 42
MINIMUM: NONE
MAXIMUM: 1 PER 2 EMPLOYEES ON LARGEST SHIFT = 80
NUMBER OF STALLS DESIGNATED ACCESSIBLE: 2

BIKE STALLS: 4
MINIMUM: 1 PER 10 EMPLOYEES ON LARGEST SHIFT = 4

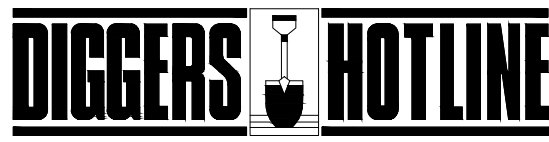
EXISTING IMPERVIOUS SURFACE AREA: 33,919 SQ.FT.
ROOFTOP: 15,319 SQ.FT.
PAVED: 18,600 SQ.FT.

NEW IMPERVIOUS SURFACE AREA: 89,843 SQ.FT. (65.3%)
 ROOFTOP: 55,027 SQ.FT.
 PAVED: 34,816 SQ.FT.
 SIDEWALK: 2,328 SQ.FT.
 DRIVEWAY: 32,488 SQ.FT.

DAIRY DRIVE FLEX BUILDING
CITY OF MADISON, DANE COUNTY, WI

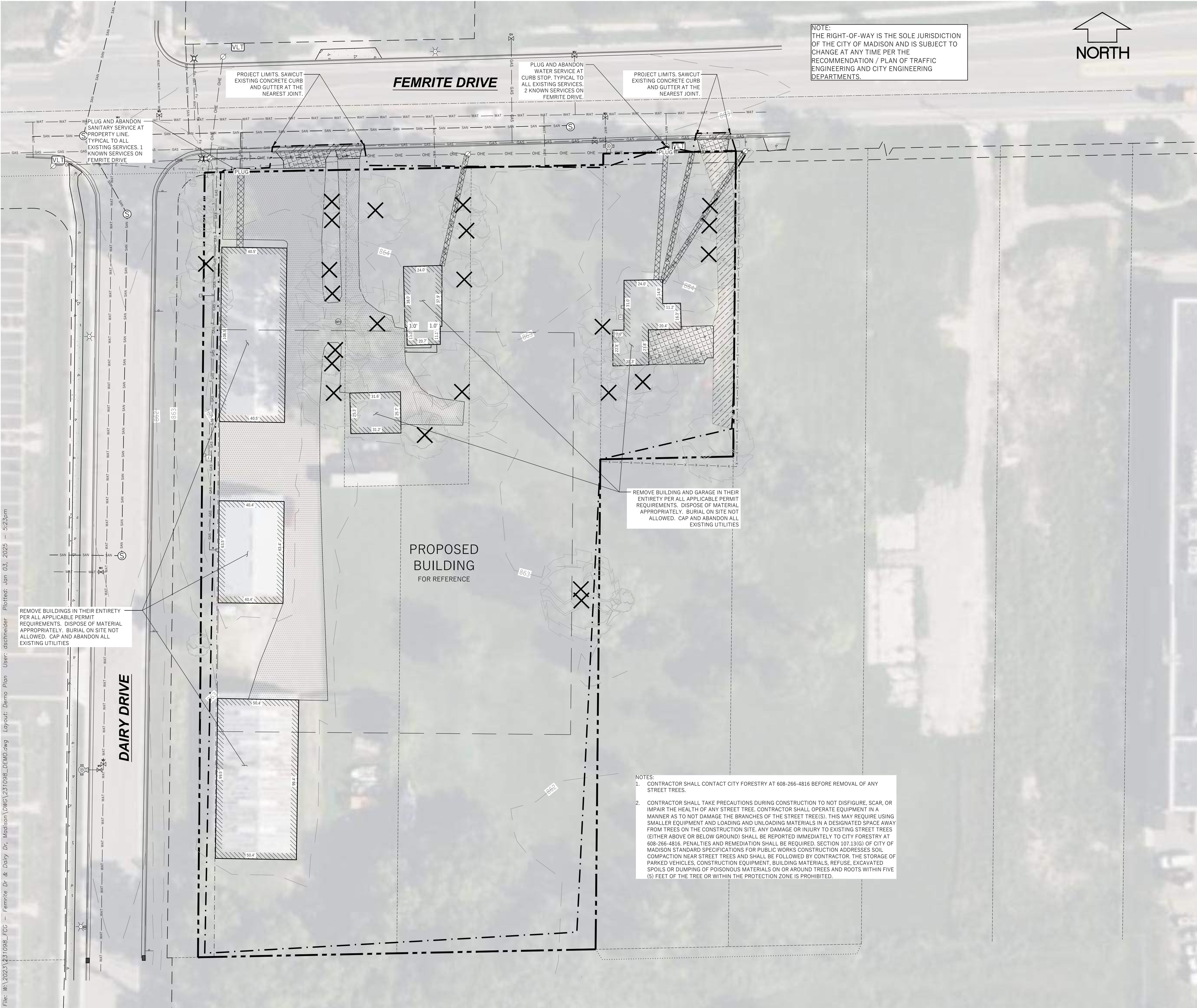
5001 FEMRITE DRIVE
MADISON, WI 53716

Sheet Title:
SITE PLAN

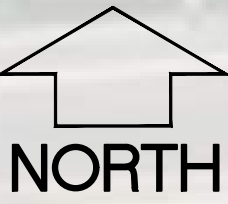
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Toll Free (800) 242-8511 -or- 811
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

File: \\A\2023\231098_FCG - Femrite Dr. & Dairy Dr., Madison\DWG\231098_DEMO.dwg Layout: Demo Plan User: dschneider PlotText: Jan 03, 2025 - 5:23pm



NOTE:
THE RIGHT-OF-WAY IS THE SOLE JURISDICTION
OF THE CITY OF MADISON AND IS SUBJECT TO
CHANGE AT ANY TIME PER THE
RECOMMENDATION / PLAN OF TRAFFIC
ENGINEERING AND CITY ENGINEERING
DEPARTMENTS.



LEGEND (PROPOSED)

- PROPOSED PROPERTY LINE
- CONSTRUCTION LIMIT LINE
- NEW BUILDING (FOR REFERENCE)
- FULL SECTION ASPHALT REMOVAL AREA
- CONCRETE REMOVAL AREA
- GRAVEL REMOVAL AREA
- CURB AND GUTTER REMOVAL
- UTILITY REMOVAL
- TREE REMOVAL

GENERAL NOTES

- UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS SURVEYED BY WYSER ENGINEERING ON THE WEEKS OF SEPTEMBER 6 AND OCTOBER 29, 2023. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LAND IF REQUIRED.
- WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
- IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS.

DEMOLITION NOTES

- THIS PLAN INDICATES ITEMS ON THE SITE, NOT INCLUDING INTERNAL BUILDING DEMOLITION, 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 (BY OTHERS), "DIGGER'S HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVE GROUND OBSERVATION, WHERE NOT INCLUDED WITHIN THE FIELD SURVEY, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S / BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE HIS OWN DUE DILIGENCE TO INCLUDE IN HIS BID WHAT ADDITIONAL ITEMS, IN HIS OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR / BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE OWNER AND ENGINEER OF RECORD. WYSER ENGINEERING 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.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE OWNER AND ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - VERIFYING UTILITY ELEVATIONS AND NOTIFYING OWNER AND ENGINEER OR ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
 - NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
 - NOTIFYING THE OWNER, DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
- CONTRACTOR SHALL KEEP ALL STREETS AND ADJOINING SHARED ACCESS ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
- ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. STUMPS SHALL BE GROUND TO PROPOSED SUBGRADE.
- PERFORM TREE PRUNING IN ALL LOCATIONS WHERE PROPOSED PAVEMENT AND / OR UTILITY INSTALLATION ENCR OACH WITHIN THE EXISTING DRIP LINE OF THE TREES TO REMAIN. ALL TRENCING WITHIN THE EXISTING DRIP LINE OF THE TREES TO REMAIN SHALL BE DONE RADIALLY AWAY FROM THE TRUNK IF ROOTS IN EXCESS OF 1" DIAMETER ARE EXPOSED. ROOTS MUST BE CUT BY REPUTABLE TREE PRUNING SERVICE PRIOR TO ANY TRANSVERSE TRENCING.
- ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. SALVAGE FOR RELOCATION. COORDINATE RELOCATION AND / OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
- CONTRACTOR SHALL COORDINATE PRIVATE UTILITY REMOVAL / ABANDONMENT AND NECESSARY RELOCATIONS WITH RESPECTIVE UTILITY COMPANY. COORDINATION REQUIRED PRIOR TO CONSTRUCTION.
- ABANDONED / REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED.
- CONTRACTOR TO REMOVE EXISTING UTILITY PIPE AND BACKFILL WITH SELECT FILL OR PROVIDE PIPE BACK-FILLING WITHIN BUILDING FOOTPRINT USING "LOW DENSITY CONCRETE / FLOWABLE FILL".
- GRANULAR BACKFILL MATERIALS ARE REQUIRED FOR FILL UNDER PROPOSED PAVED AREAS.
- RESTORATION OF THE EXISTING RIGHT-OF-WAYS AS NEEDED ARE CONSIDERED INCIDENTAL AND SHOULD BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS. DEMOLITION AND REMOVAL THIS INCLUDES, BUT IS NOT LIMITED TO, CURB & GUTTER, SIDEWALK, TOPSOIL, SEEDING AND MULCHING.
- 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.

- NOTES:
- CONTRACTOR SHALL CONTACT CITY FORESTRY AT 608-266-4816 BEFORE REMOVAL OF ANY STREET TREES.
 - 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 608-266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED. 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.

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CITY OF MADISON, DANE COUNTY, WI

Sheet Title:
DEMOLITION PLAN

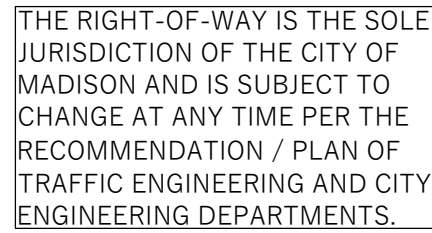
5001 FEMRITE DRIVE
MADISON, WI 53716

Revisions:

No.	Date:	Description:

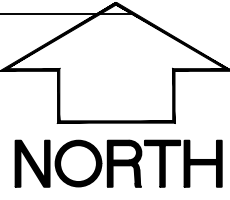
Graphic Scale	
Wyser Number	23-1098
Set Type	UDC
Date Issued	01/06/2024
Sheet Number	C101

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$$FFE = 865.50$$

BIORETENTION BASIN 2.
MIN. 3,750 SQ.FT. BOTTOM AREA.
AT THE START OF CONSTRUCTION, EXCAVATE
BASIN AREA TO 1-FOOT ABOVE THE PLANNED
BOTTOM OF BASIN STORAGE LAYER (970.0) TO BE
USED AS A TEMPORARY SEDIMENT BASIN DURING
CONSTRUCTION.

NOTE:
SPOT GRADES ARE AS FOLLOWS:
FFE - FINISHED FLOOR GRADE
EP - EDGE OF ASPHALT PAVEMENT
EC - EDGE OF CONCRETE PAVEMENT
BC - BACK OF CURB
SW - EDGE OF SIDEWALK
FG - FINISH GRADE
TW - FINISH GRADE ADJACENT TOP OF WALL
BW - FINISH GRADE ADJACENT BOTTOM OF
WALL (NOT FOOTING)



1. UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS PROVIDED TO WYSER ENGINEERING. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LAND IF REQUIRED.
3. WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
4. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
5. ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS.

1. POST WDNR CERTIFICATE OF PERMIT COVERAGE AND MUNICIPAL EROSION CONTROL PERMITS ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED. THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
3. ENGINEER / CITY OF MADISON / WDNR HAS THE RIGHT TO REQUIRE CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR MUST SCHEDULE A SITE MEETING WITH THE CITY OF MADISON AND INSPECTOR TWO (2) WORKING DAYS IN ADVANCE OF ANY SOIL DISTURBANCE ACTIVITIES.
4. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
5. THE SITE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON SITE AND MAKE THEM AVAILABLE UPON REQUEST.
6. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
7. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE SOIL-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
8. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/consd_standards.html.
9. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
10. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060 AND DANE COUNTY REQUIREMENTS FOR FRAMED INLET PROTECTION.
11. CONTRACTOR TO PROVIDE SLOD LID OR METAL PLATE ON ALL OPEN MANHOLES DURING CONSTRUCTION TO MINIMIZE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.
12. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
13. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS TO GPM OR MORE.
14. PROVIDE ANTI-SOIL SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
15. CONSTRUCT AND PROTECT THE BIORETENTION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004.
16. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR
17. REPAIR BARRIERS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
18. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
19. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCING OR OTHER PERIMETER CONTROL. IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
20. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH/ TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OTDS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
21. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
22. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE AUTHORITIES WITH JURISDICTION. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
23. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
24. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
25. COORDINATE WITH THE AUTHORITIES WITH JURISDICTION TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERM).
26. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS CLASS I TYPE B EROSION CONTROL. MATTING, INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MATT #1052.
27. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS II TYPE B EROSION CONTROL. MATTING UNLESS OTHERWISE SPECIFIED ON THE PLAN. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MATT #1063.
28. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
29. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT RACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: <http://dnr.wi.gov/bonbr/>.
30. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006: <https://www.epa.gov/nrdes/ubs/concretemashout.pdf>. REQUIRE USE BY ALL CONCRETE CONTRACTORS. UGS MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.

1. ALL GRADES SHOWN ARE FINAL FINISHED SURFACE GRADES.
2. AREAS TO BE SEEDED SHALL HAVE A MINIMUM 6 INCHES TOPSOIL UNLESS OTHERWISE NOTED.
3. AREAS NOT RESTORED WITH EROSION MATTING OR OTHER STABILIZATION MEASURES SHALL BE STABILIZED WITH MULCH.
4. APPLY ANIONIC POLYMER TO DISTURBED AREAS IF EROSION BECOMES PROBLEMATIC.
5. MULCH SHALL BE WEED-FREE STRAW AND SHALL BE INSTALLED AT THE RATE OF 2 TONS PER ACRE PER SECTION 627 OF "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" (WISDOT 2014)
6. PERMANENT SEEDING SHALL NOT OCCUR BETWEEN SEPTEMBER 15TH AND APRIL 15TH. ALTERNATE SEEDING/PLANTING METHODS AND/OR EROSION PROTECTION MAY BE NECESSARY FOR SEEDING/PLANTING THAT OCCURS DURING THAT TIME. COORDINATE WITH THE OWNER AS NECESSARY.
7. TEMPORARY STABILIZATION SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING OPTIONS:
 - a. TEMPORARY SEEDING/STABILIZATION OF ANNUAL RICE GRASS APPLIED AT A RATE OF 1.5 LBS PER 1000 SQUARE FEET,
 - b. WISDOT PAL CLASS I TYPE B URBAN EROSION CONTROL MAT.

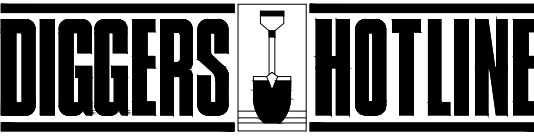
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MADISON, WI 53716

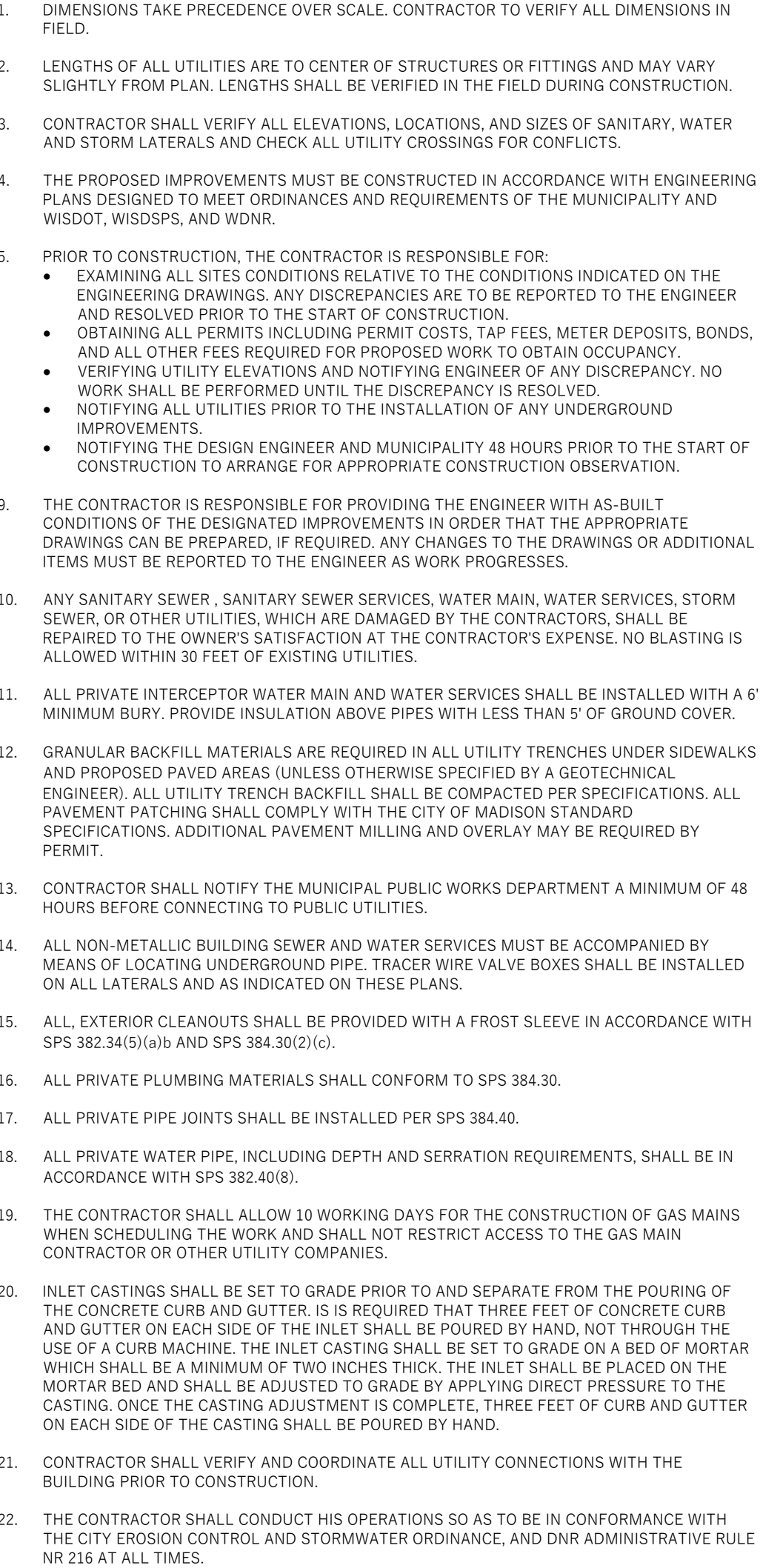
CITY OF MADISON, DANE COUNTY, WI

Sheet Title: GRADING & EROSION CONTROL PLAN

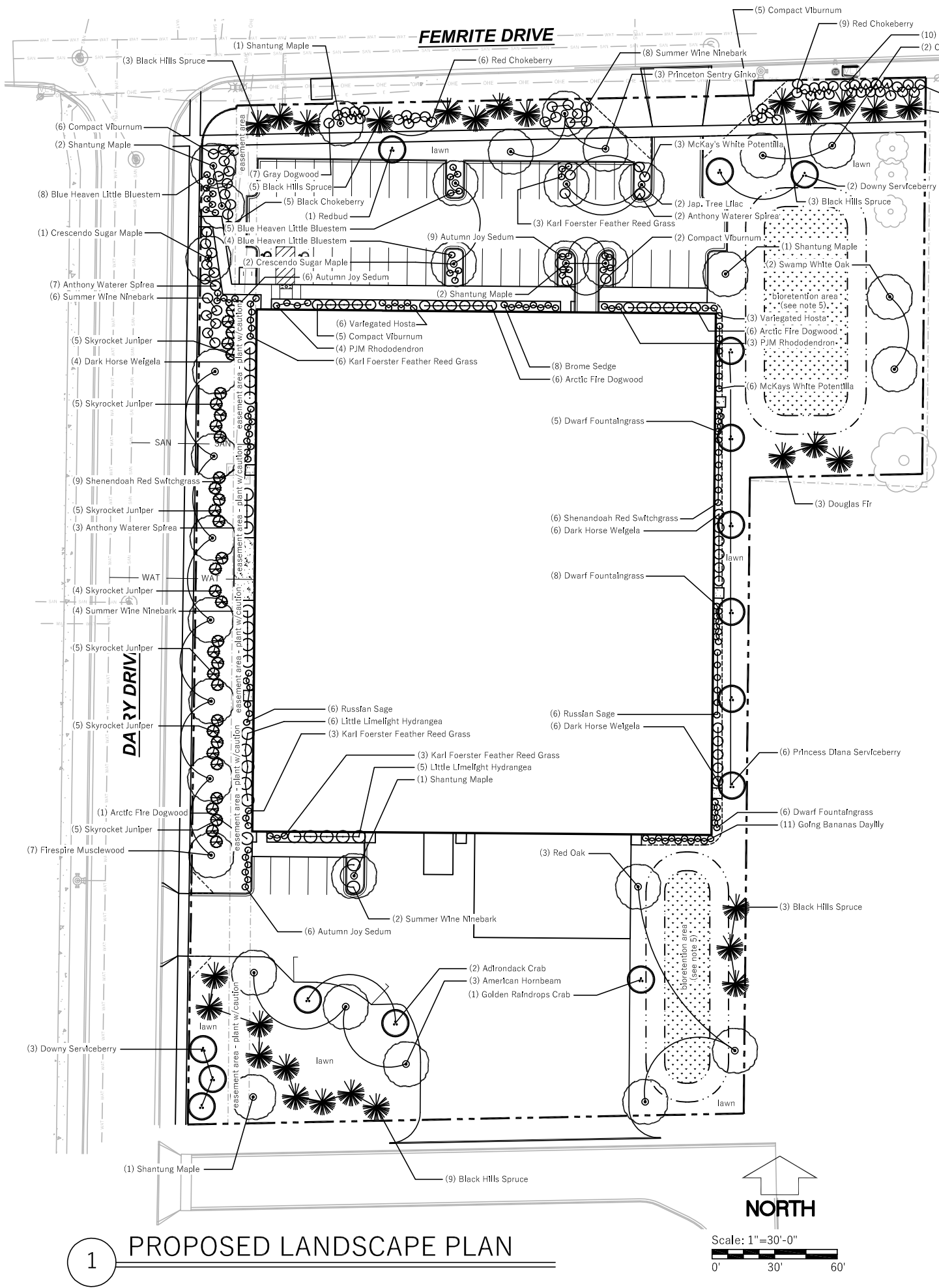
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- GENERAL PLANTING NOTES:**
- Individual tree and shrub groupings found within lawn areas, along parking areas, and building foundation plant beds are to receive organic, hardwood mulch rings and/or wood mulch beds consisting of a natural hardwood mulch spread to a 3" min. depth over a pre-emergent herbicide.
 - "Edging" (where required) to be professional grade polyethylene lawn edging available in 20' flat strips. Basis of Design: Valley View Black Diamond, Valley View Industries.
 - "Lawn" areas shall be finish graded and seeded at a rate of 4 lbs. per 1,000 sq. ft. Basis of Design: Madison Parks Lawn Seed Mix, EarthCarpet Corporation.
 - Contractor is responsible for repairing any and all damage to the adj. properties. Planted areas shall be replanted, damaged lawn areas shall be repaired with sod and adjacent curbs and pavement shall be re-paved.
 - Maintenance, watering and warranty of all plants (including bioretention areas) to extend for 12 months after project completion/acceptance. Maintenance, watering and warranty period for seed to extend 60 days from project completion/acceptance of installation.
 - At least one week prior to street tree planting, Contractor shall contact Jeff Helnecke with City Forestry at (608) 444-2673 or (608) 266-4816 to schedule inspection, approve nursery tree stock, determine final planting location, and review planting specifications with the landscaper. Tree planting specifications can be found in section 209 of City of Madison Standard Specifications for Public Works Construction (website: <https://www.cityofmadison.com/business/pw/specs.cfm>).

OVERSTORY TREES			Qty.	
Swamp White Oak	Quercus bicolor	2 1/2" cal.	2	
Crescendo Sugar Maple	Acer saccharum 'Morton'	2 1/2" cal.	5	
American Hornbeam	Carpinus caroliniana	2 1/2" cal.	3	
Red Oak	Quercus rubra	2 1/2" cal.	3	
Shantung Maple	Acer truncatum	2 1/2" cal.	8	
Princeton Sentry Ginkgo	Ginkgo biloba 'PNI 2720'	2 1/2" cal.	3	
Firespire Muscadewood	Carpinus caroliniana 'J.N. Upright'	2 1/2" cal.	7	
ORNAMENTAL TREES				
Princess Diana Serviceberry	Amel. x grandiflora 'Princess Diana'	1 1/2" cal.	6	
Adirondack Crab	Malus 'Adirondack'	1 1/2" cal.	2	
Redbud	Cercis canadensis 'Columbus'	1 1/2" cal.	1	
Downy Serviceberry	Amelanchier arborea	1 1/2" cal.	5	
Golden Raindrops Crab	Malus transitoria 'Schmidtcutleaf'	1 1/2" cal.	1	
Japanese Tree Lilac	Syringa amurensis	1 1/2" cal.	2	
EVERGREEN TREES				
Black Hills Spruce	Picea glauca 'Densata'	6' ht.	23	
Douglas Fir	Pseudotsuga menziesii	6' ht.	5	
Skyrocket Juniper	Juniperus scopulorum 'Skyrocket'	5' ht.	31	
DECIDUOUS SHRUBS				
Summer Wine Ninebark	Physocarpus opul. 'Summer Wine'	18" ht.	13	
Dark Horse Weigela	Weigela florida 'Dark Horse'	18" ht.	10	
Arctic Fire Dogwood	Cornus stolonifera 'Farrow'	18" ht.	13	
Anthony Waterer Spirea	Spirea x bumalda 'Anthony Waterer'	18" ht.	12	
Black Chokeberry	Aronia melanocarpa Inocuois Beauty	18" ht.	10	
Red Chokeberry	Aronia arbutifolia	18" ht.	15	
Gray Dogwood	Cornus racemosa	18" ht.	7	
Compact Viburnum	Viburnum carlesii 'Compactum'	18" ht.	18	
Little Limelight Hydrangea	Hydrangea paniculata	18" ht.	11	
McKay's White Potentilla	Potentilla fruticosa 'McKay's White'	18" ht.	6	
Russian Sage	Perovskia atriplicifolia	18" ht.	12	
PJM Rhododendron	Rhododendron 'PJM'	18" ht.	6	
PERENNIALS				
Karl Foerster Feather Reed Grass	Calamagrostis x acutiflora 'K. Foerster'	1 gal.	19	
Dwarf Fountaingrass	Pennisetum alopecuroides 'Hameln'	1 gal.	19	
Golfing Bananas Daylily	Hemerocallis 'Golfing Bananas'	1 gal.	11	
Blue Heaven Little Bluestem	Schizachyrium scoparium BLUE HEAVEN	1 gal.	17	
Autumn Joy Sedum	Sedum spectabile 'Autumn Joy'	1 gal.	21	
Shenandoah Red Switchgrass	Panicum virgatum 'Shenandoah'	1 gal.	15	
Variegated Hosta	Hosta 'Undulata Albomarginata'	1 gal.	9	
Brome Like Sedge	Carex bromoides	1 gal.	8	

Landscape Calculations and Distribution:

Zoning Code: IL
Summary:
Points Required = 1 pt. per 100 sf developed area (39,000 sf / 100) = 390 pts.
Points Proposed = 3,692

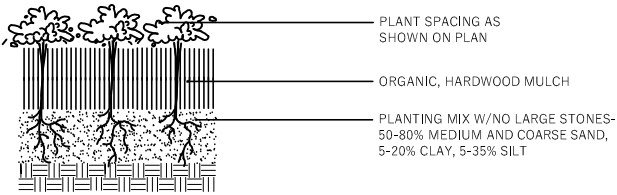
Development Frontage Landscaping
Total If of lot frontage = 820
Required Trees = 1/30 If = 27 trees
Required Shrubs = 5/30 If = 135 shrubs
Provided Trees = 27
Provided Shrubs = 93

**NOTE: Owner requests waiver from required Development Frontage Landscape due to existing conditions and lack of available space.

Tabulation of Points and Credits (Includes Development Frontage Landscaping):

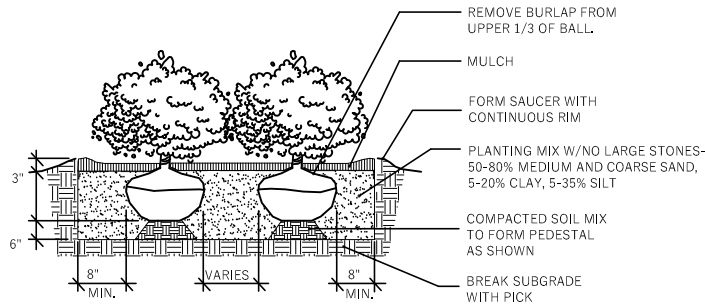
Plant Type/Element	Min. size	Points	Proposed Qty.	Pts.
Overstory Deciduous Tree	2 1/2" cal.	35	31	1,085
Ornamental tree	1 1/2" cal.	15	17	255
Evergreen Tree	5'-6'	35	49	1,715
Upright evergreen shrub	3-4 feet tall	10	-	-
Shrub, deciduous	18" or 3 gal.	3	133	399
Shrub, evergreen	18" or 3 gal.	4	-	-
Ornamental grasses / perennials	18" or 3 gal.	2	119	238
Ornamental fence or wall	na	4 per 10 lf	-	-
Total				3,692

3,692 Total Points Provided (390 Required)



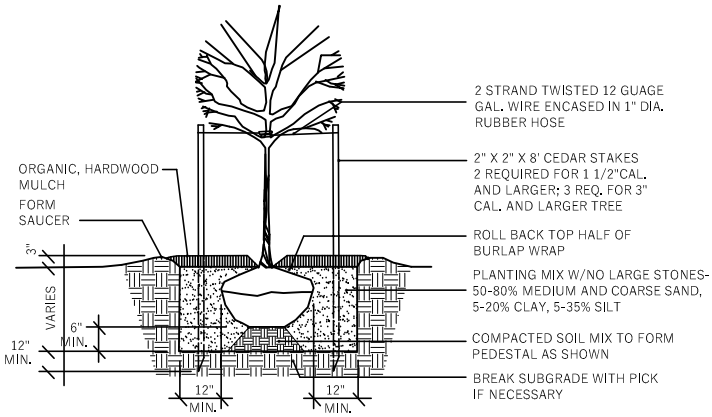
2 PERENNIAL PLANTING

NTS



3 SHRUB PLANTING

NTS

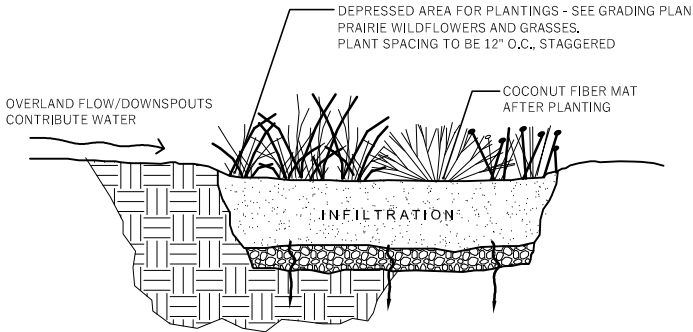


4 TREE PLANTING

NTS

PLANT LIST; EQUAL MIX, 2 1/2" PLUGS, RANDOM PLANT.

Butterfly Weed, Blue False Indigo, White False Indigo, Purple Coneflower, Blue Flag Iris, Cardinal Flower, Marsh Blazingstar, Brown Eyed Susan, Stiff Goldenrod, Bottlebrush Sedge, Fox Sedge, Torrey's Rush, Switch Grass



5 BIORETENTION AREA

NTS

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DAIRY DRIVE FLEX BUILDING

CITY OF MADISON, DANE COUNTY, WI

Sheet Title:
LANDSCAPE PLAN

Revisions:

No.	Date:	Description:

Graphic
Scale

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Number

23-1098

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Type

REVIEW PLAN

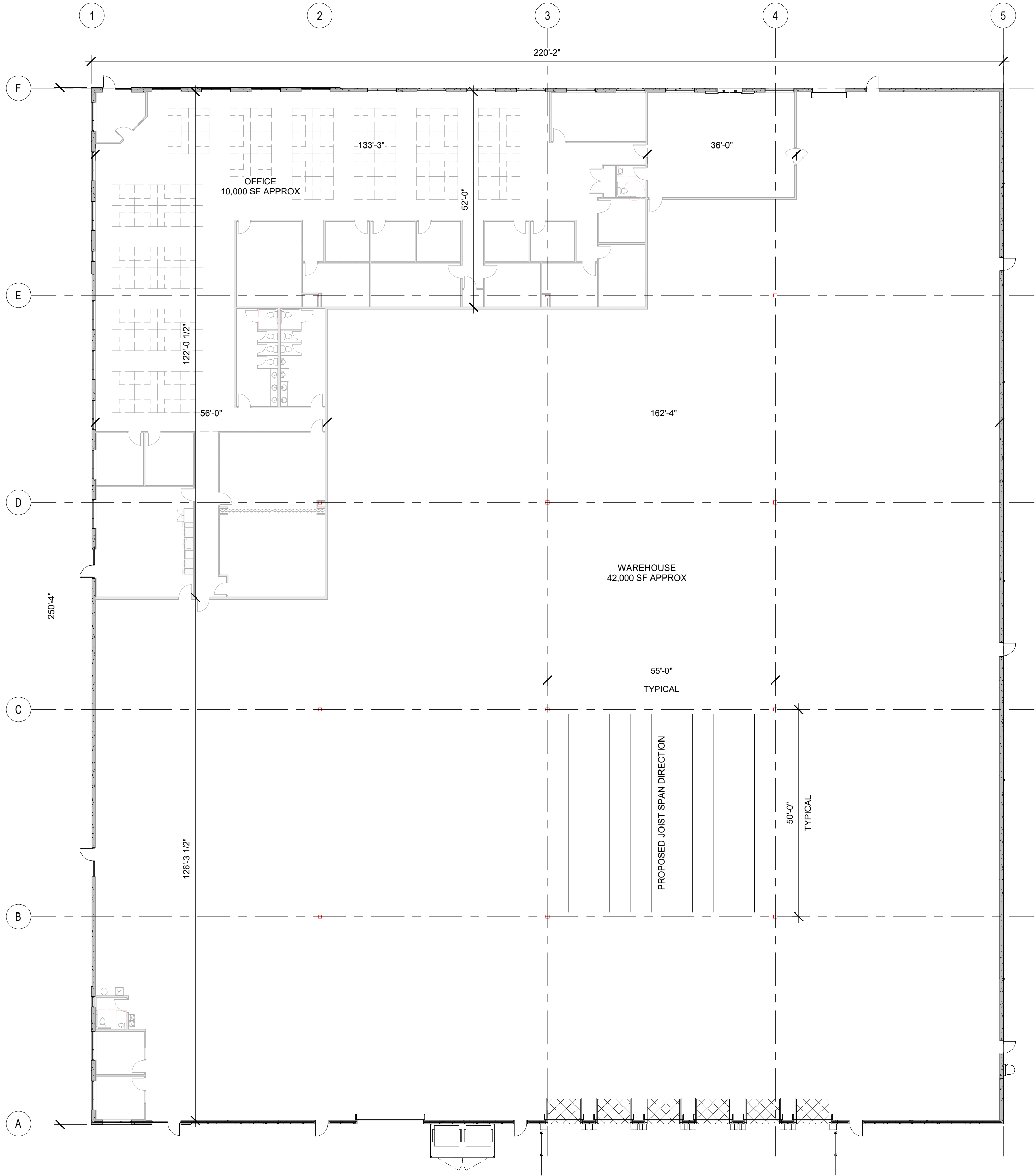
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Issued

03/02/2025

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Number

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A1 FIRST FLOOR PLAN
1/16" = 1'-0"

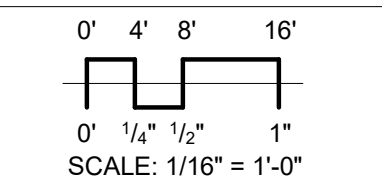
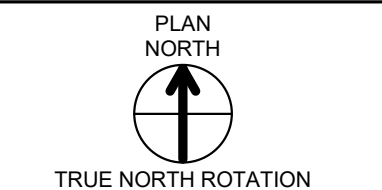
FEMRITE FLEX BUILDING
TENANT IMPROVEMENT
5001 FEMRITE DRIVE
MADISON, WI

Project Status

2025.02.03	UDC SUBMITTAL
2025.03.26	UDC SUBMITTAL - FINAL

PROJ. #: 24188-01

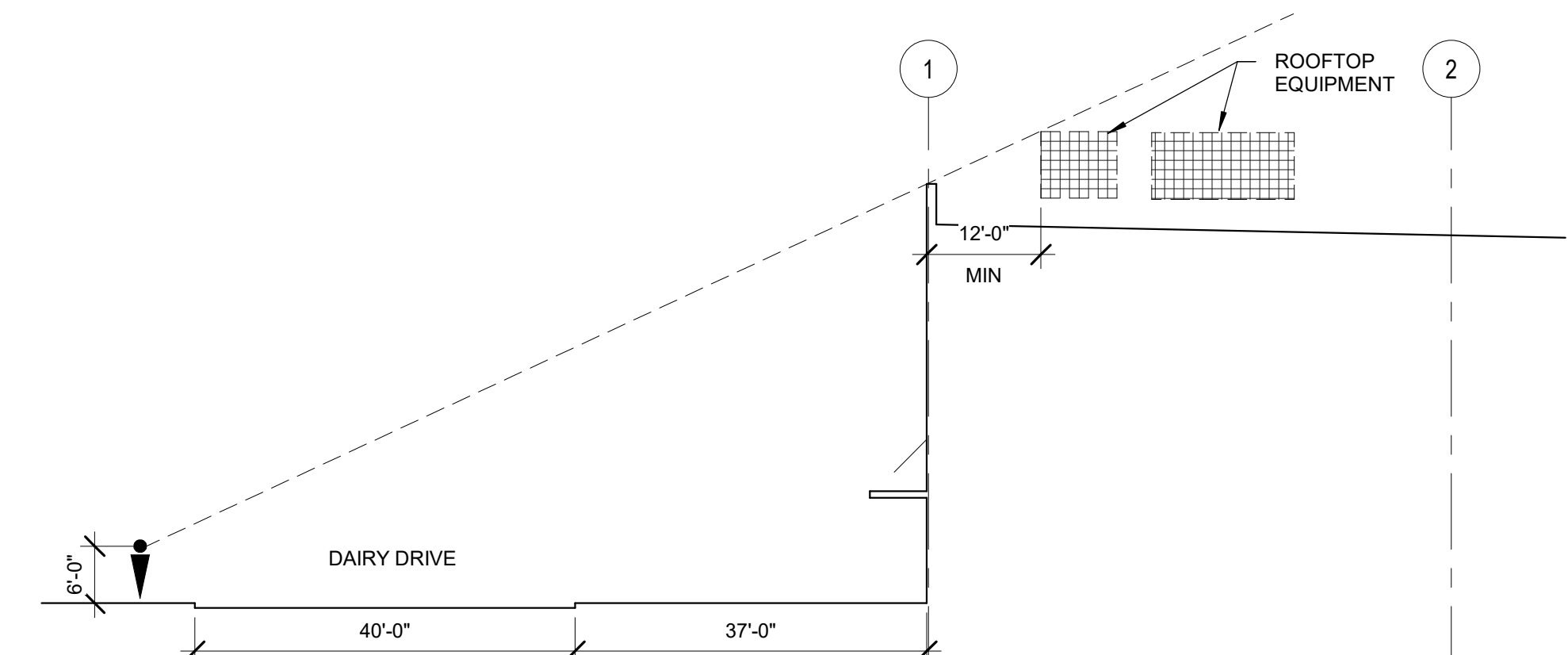
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FLOOR PLAN

Sketchworks
architecture

- A. EXTERIOR DIMENSIONS ARE FROM GRIDLINE TO GRIDLINE, OR TO EDGE OF FOUNDATION WALL, UNLESS OTHERWISE NOTED. PLEASE CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- B. DIMENSIONS ARE TO FACE OF WALL UNLESS NOTED OTHERWISE. VERIFY ALL EXISTING CONDITIONS AND ADJUST WALL DIMENSIONS ACCORDINGLY. CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- C. FINAL DOWNSPOUT / SCUPPER LOCATION(S) SHOULD BE COORDINATED BETWEEN THE ROOFING CONTRACTOR, THE ARCHITECT AND THE CIVIL ENGINEER. VERIFY LOCATION OF DOWNSPOUTS.

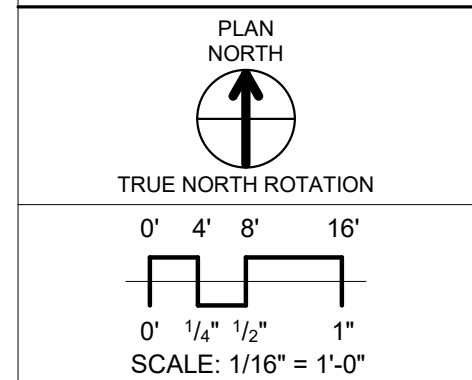


A3 ROOFTOP EQUIPMENT SCREENING
1/16" = 1'-0"

[illegible]

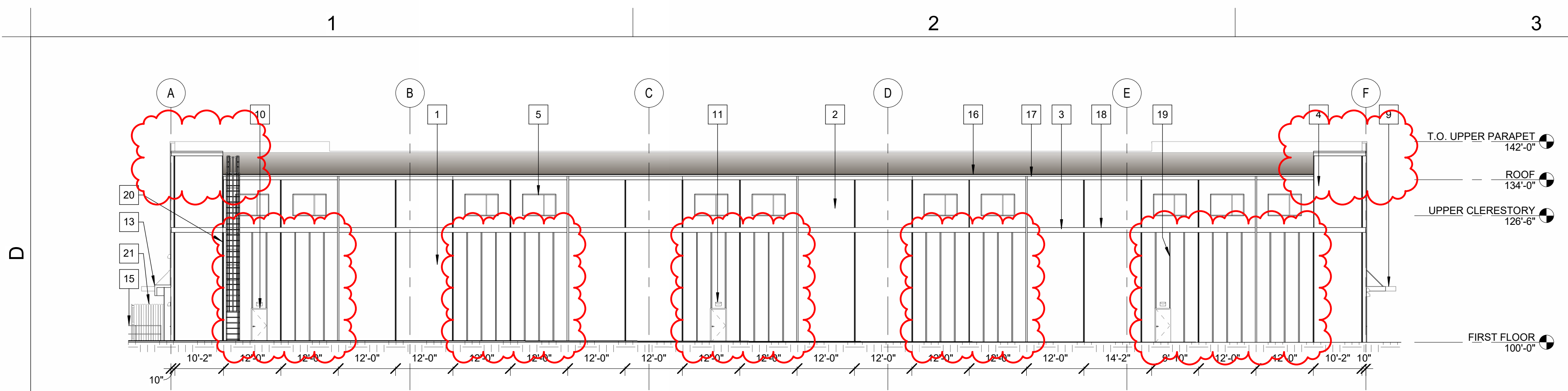
PROJ. #:	24185-01
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ARCHITECTURE 2025



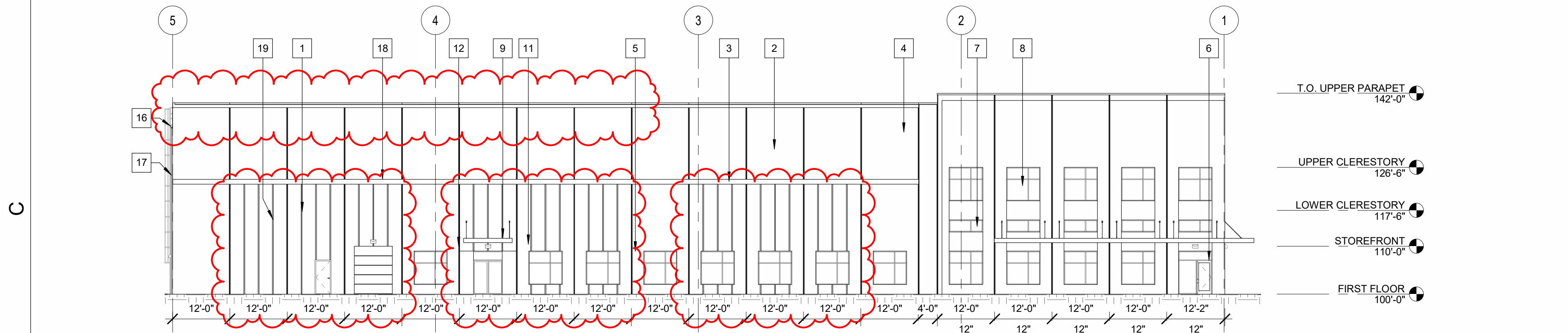
ROOF PLAN

A104



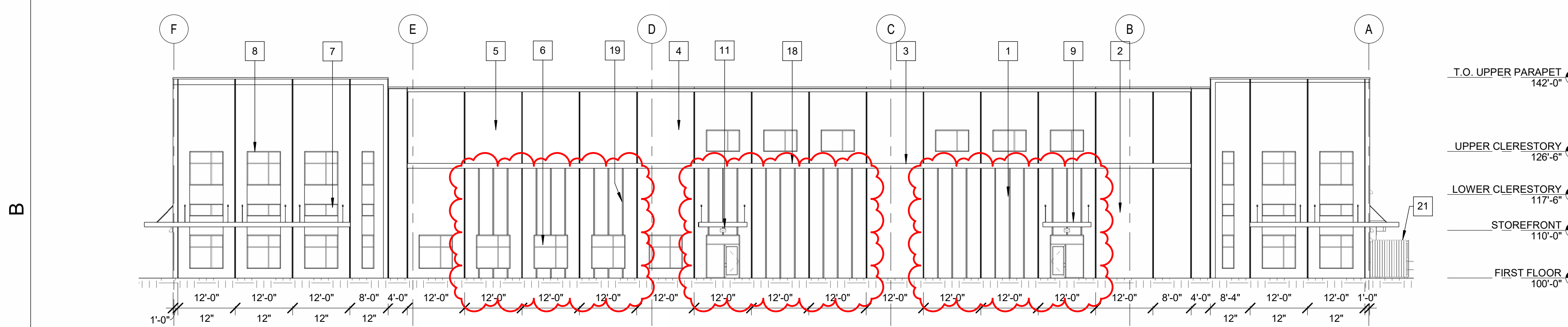
D1 EAST ELEVATION

1/16" = 1'-0"



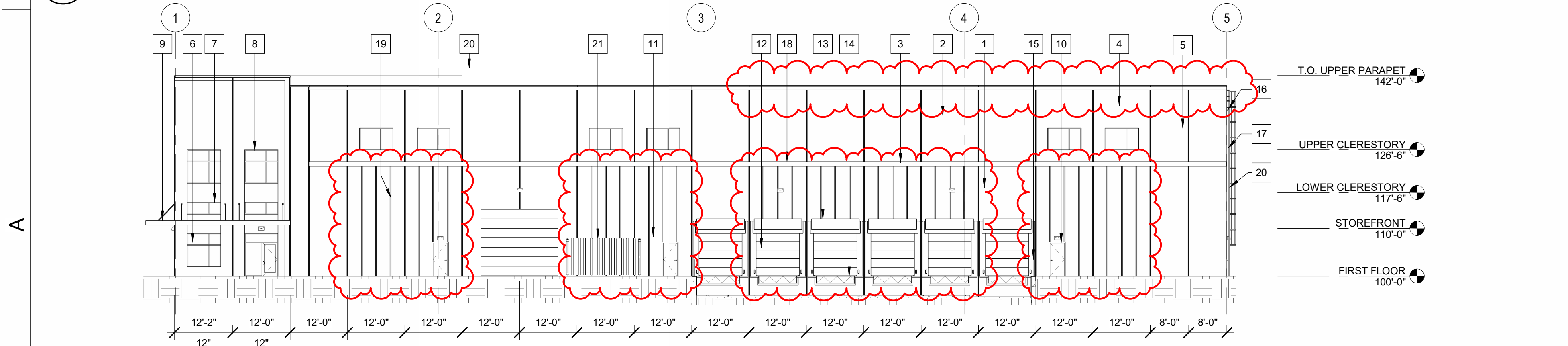
C1 NORTH ELEVATION

1/16" = 1'-0"



B1 WEST ELEVATION

1/16" = 1'-0"



A1 SOUTH ELEVATION

1/16" = 1'-0"

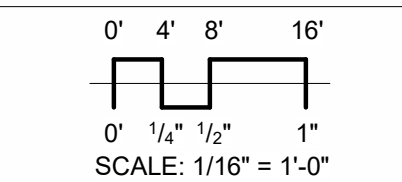
EXTERIOR ELEVATIONS KEYNOTE SCHEDULE					
#	DESCRIPTION	MANUFACTURER	TYPE/STYLE	COLOR	COMMENTS
1	INSULATED PRECAST WALL PANEL	MID-STATES CONCRETE		PAINTED - SW7063 NEBULOUS WHITE	10" THICK SANDWICH PANEL UNLESS NOTED OTHERWISE
2	INSULATED PRECAST WALL PANEL	MID-STATES CONCRETE		PAINTED - SW7674 TIN LIZZIE	10" THICK SANDWICH PANEL UNLESS NOTED OTHERWISE
3	INSULATED PRECAST WALL PANEL	MID-STATES CONCRETE		PAINTED - SW6258 GRIZZLE GRAY	10" THICK SANDWICH PANEL UNLESS NOTED OTHERWISE
4	INSULATED PRECAST WALL PANEL	MID-STATES CONCRETE		PAINTED - SW 6971 MORNING GLORY	10" THICK SANDWICH PANEL UNLESS NOTED OTHERWISE
5	ALUMINUM STOREFRONT SYSTEM	KAWNEER OR EQUAL	451T OR EQUAL	CLEAR ANNODIZED	
6	ALUMINUM STOREFRONT DOOR	KAWNEER OR EQUAL	500T INSULPOUR OR EQUAL	CLEAR ANNODIZED	
7	VISION GLASS			CLEAR	
8	SPANDREL GLASS				
9	PREFABRICATED ALUMINUM CANOPY SYSTEM	MASA OR SIMILAR	EXTRUDECK OR SIMILAR	PAINTED - SW7063 NEBULOUS WHITE	WITH INTEGRATED GUTTER
10	INSULATED METAL DOOR			PAINTED TO MATCH ADJACENT WALL	
11	WALL SCONCE				
12	INSULATED OVERHEAD DOOR				
13	DOCK SHELTER				
14	DOCK LEVER				
15	GUARD RAIL				
16	METAL GUTTER SYSTEM				
17	METAL DOWNSPOUT				
18	REVEAL	MID-STATES CONCRETE		PAINTED - SW6258 GRIZZLE GRAY	1'-0" WIDE BY 1" DEEP
19	REVEAL	MID-STATES CONCRETE		PAINTED - SW6258 GRIZZLE GRAY	2-1/2" WIDE BY 1" DEEP
20	SEVICE LADDER				
21	WOOD DUMPSTER ENCLOSURES				STEEL TUBE STRUCTURE

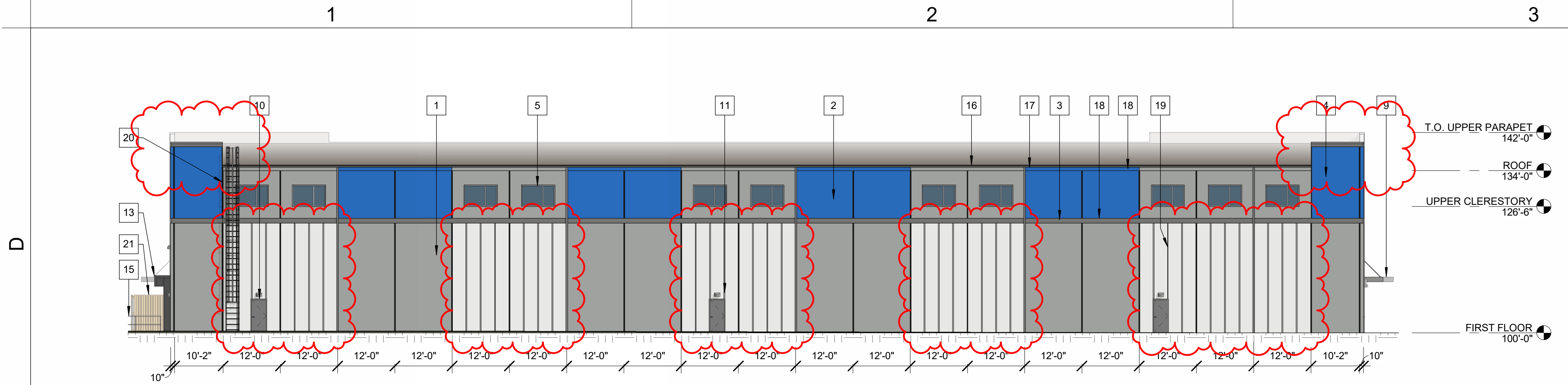
Project Status

2025.02.03	UDC SUBMITTAL
2025.03.26	UDC SUBMITTAL - FINAL

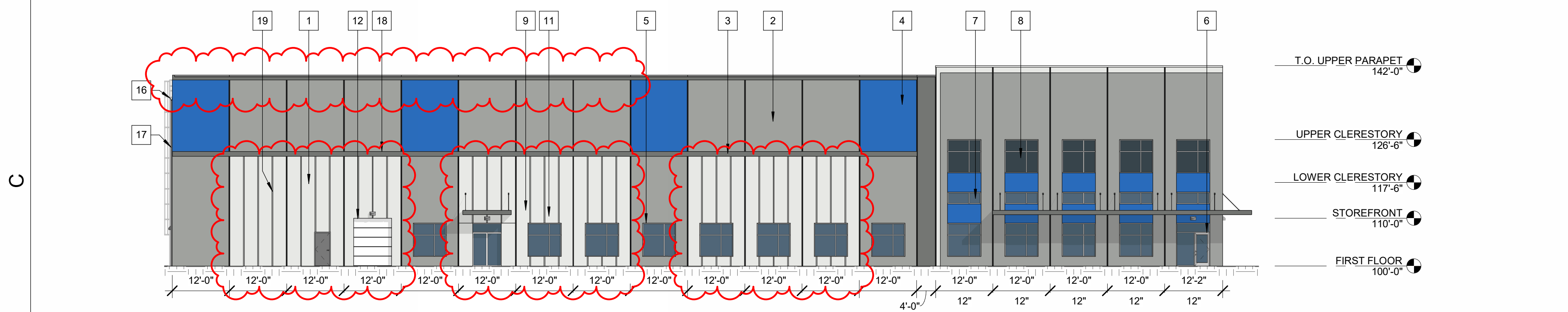
PROJ. #: 24185-01

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ARCHITECTURE 2025

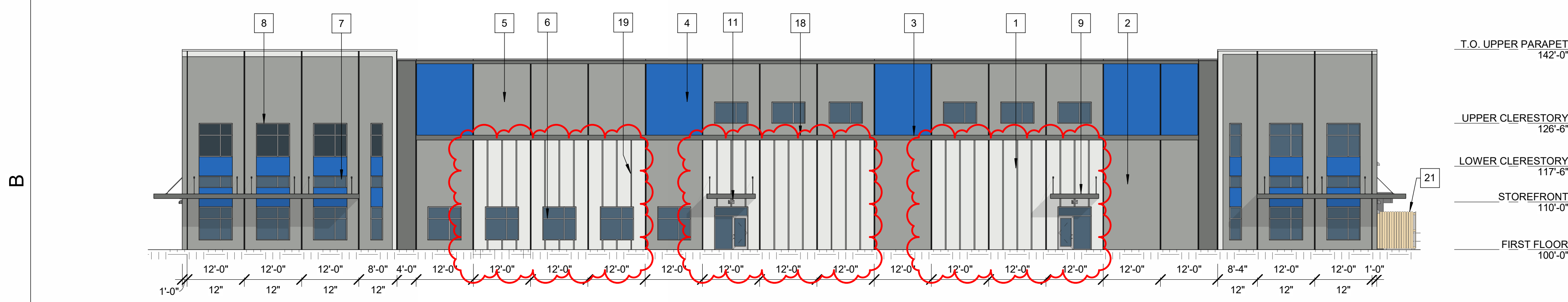




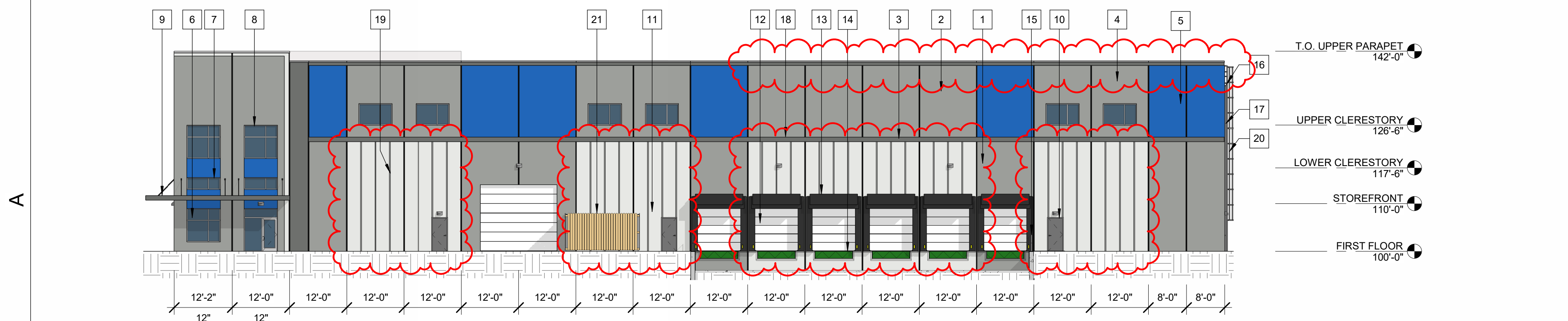
D1 EAST ELEVATION - COLOR
1/16" = 1'-0"



C1 NORTH ELEVATION - COLOR
1/16" = 1'-0"



B1 WEST ELEVATION - COLOR
1/16" = 1'-0"



A1 SOUTH ELEVATION - COLOR
1/16" = 1'-0"

EXTERIOR ELEVATIONS KEYNOTE SCHEDULE					
#	DESCRIPTION	MANUFACTURER	TYPE/STYLE	COLOR	COMMENTS
1	INSULATED PRECAST WALL PANEL	MID-STATES CONCRETE		PAINTED - SW7063 NEBULOUS WHITE	10" THICK SANDWICH PANEL UNLESS NOTED OTHERWISE
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3	INSULATED PRECAST WALL PANEL	MID-STATES CONCRETE		PAINTED - SW6258 GRIZZLE GRAY	10" THICK SANDWICH PANEL UNLESS NOTED OTHERWISE
4	INSULATED PRECAST WALL PANEL	MID-STATES CONCRETE		PAINTED - SW 6971 MORNING GLORY	10" THICK SANDWICH PANEL UNLESS NOTED OTHERWISE
5	ALUMINUM STOREFRONT SYSTEM	KAWNEER OR EQUAL	451T OR EQUAL	CLEAR ANNODIZED	
6	ALUMINUM STOREFRONT DOOR	KAWNEER OR EQUAL	500T INSULPOUR OR EQUAL	CLEAR ANNODIZED	
7	VISION GLASS			CLEAR	
8	SPANDREL GLASS				
9	PREFABRICATED ALUMINUM CANOPY SYSTEM	MASA OR SIMILAR	EXTRUDECK OR SIMILAR	PAINTED - SW7063 NEBULOUS WHITE	WITH INTEGRATED GUTTER
10	INSULATED METAL DOOR			PAINTED TO MATCH ADJACENT WALL	
11	WALL SCOSCE				
12	INSULATED OVERHEAD DOOR				
13	DOCK SHELTER				
14	DOCK LEVER				
15	GUARD RAIL				
16	METAL GUTTER SYSTEM				
17	METAL DOWNSPOUT				
18	REVEAL	MID-STATES CONCRETE		PAINTED - SW6258 GRIZZLE GRAY	1'-0" WIDE BY 1" DEEP
19	REVEAL	MID-STATES CONCRETE		PAINTED - SW6258 GRIZZLE GRAY	2-1/2" WIDE BY 1" DEEP
20	SEVICE LADDER				
21	WOOD DUMPSTER ENCLOSURES				STEEL TUBE STRUCTURE

PAINT SCHEME

SW 9163
Tin Lizzie

SW 7063
Nebulous
White

SW 7068
Grizzle Gray

SW 6971
Morning Glory

WOOD DUMPSTER ENCLOSURE

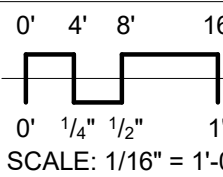


Project Status

2025.02.03	UDC SUBMITTAL
2025.03.26	UDC SUBMITTAL - FINAL

PROJ. #: 24188-01

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ARCHITECTURE 2025



**EXTERIOR
ELEVATIONS -
COLOR**

D

C

B

A



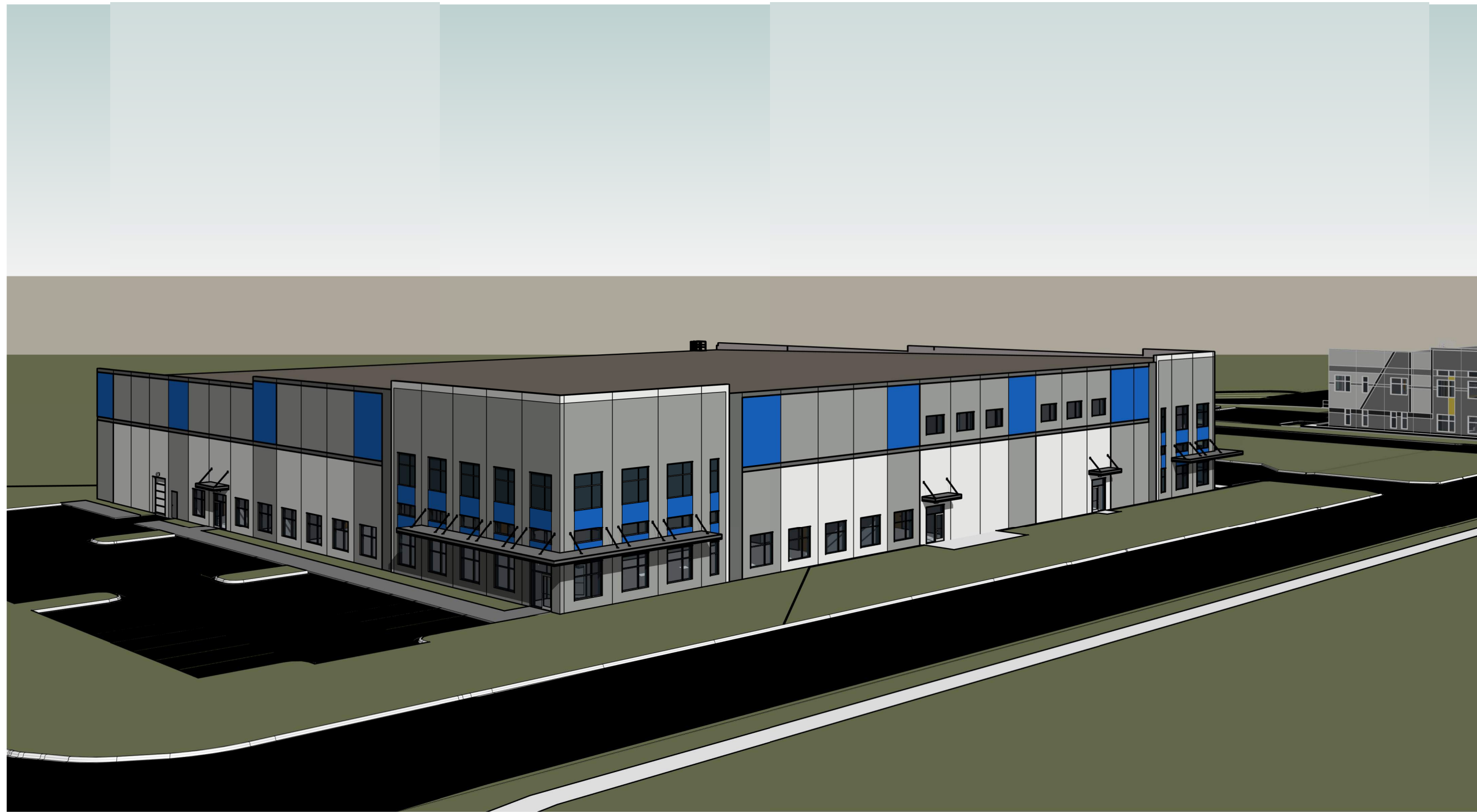
FEMRITE FLEX BUILDING
TENANT IMPROVEMENT
5001 FEMRITE DRIVE
MADISON, WI

Project Status

2025.02.03	UDC SUBMITTAL
2025.03.26	UDC SUBMITTAL - FINAL

PROJ. #:	24185-01
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**EXTERIOR
PERSPECTIVES**



FEMRITE FLEX BUILDING
TENANT IMPROVEMENT
5001 FEMRITE DRIVE
MADISON, WI

Project Status

2025.02.03	UDC SUBMITTAL
2025.03.26	UDC SUBMITTAL - FINAL

PROJ. #: 24188-01

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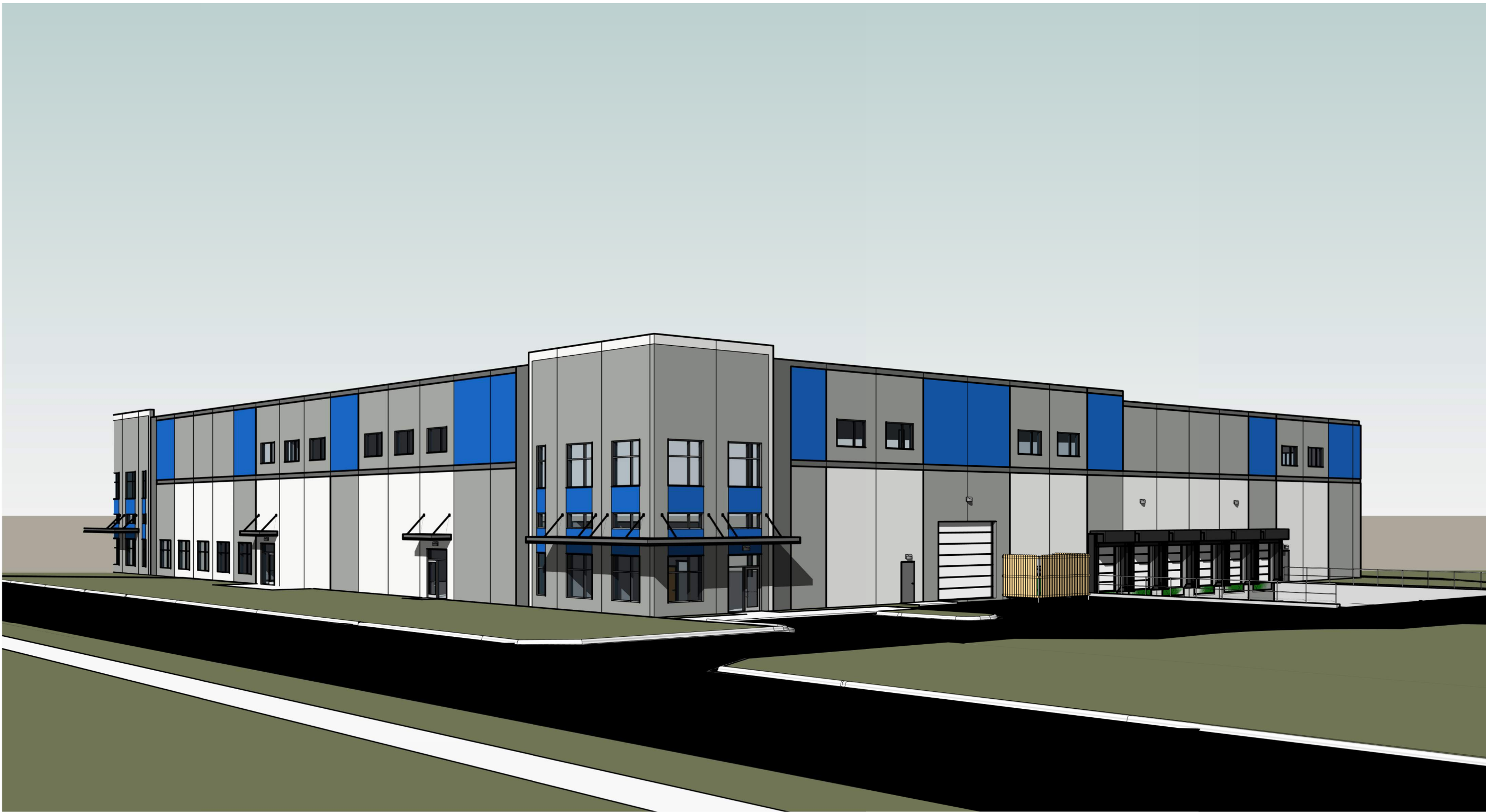
**EXTERIOR
PERSPECTIVES
(BEFORE/AFTER)**

1

2

3

4



FEMRITE FLEX BUILDING
TENANT IMPROVEMENT
5001 FEMRITE DRIVE
MADISON, WI

Project Status

2025.02.03	UDC SUBMITTAL
2025.03.26	UDC SUBMITTAL - FINAL

PROJ. #: 24188-01

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ARCHITECTURE 2025

**EXTERIOR
PERSPECTIVES
(BEFORE/AFTER)**

A205

1

2

3

4



FEMRITE FLEX BUILDING
TENANT IMPROVEMENT
5001 FEMRITE DRIVE
MADISON, WI

Project Status

2025.02.03	UDC SUBMITTAL
2025.03.07	UDC SUBMITTAL - FINAL

PROJ. #:	24188-01
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**EXTERIOR
PERSPECTIVES
(BEFORE/AFTER)**

A206

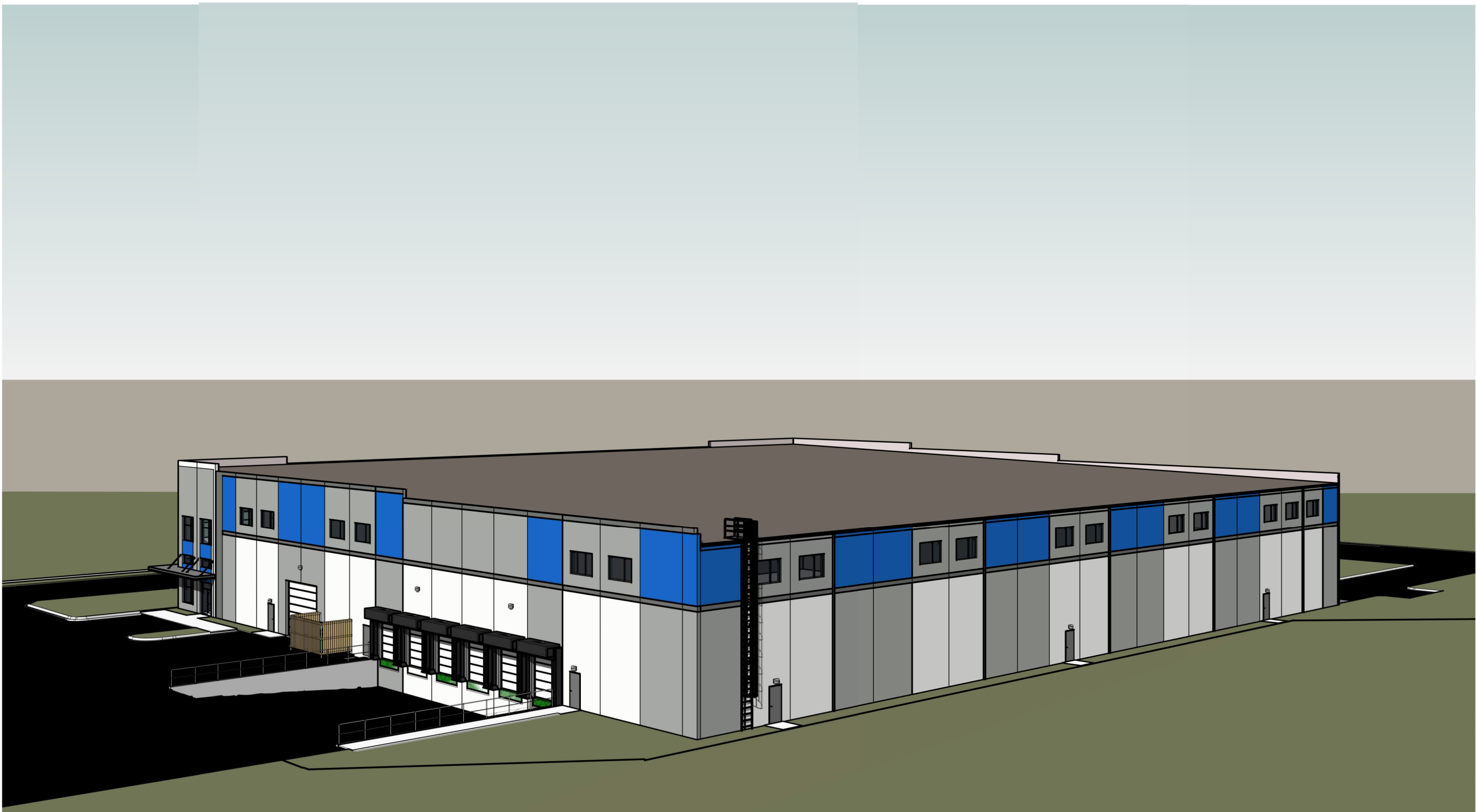
1

2

3

4

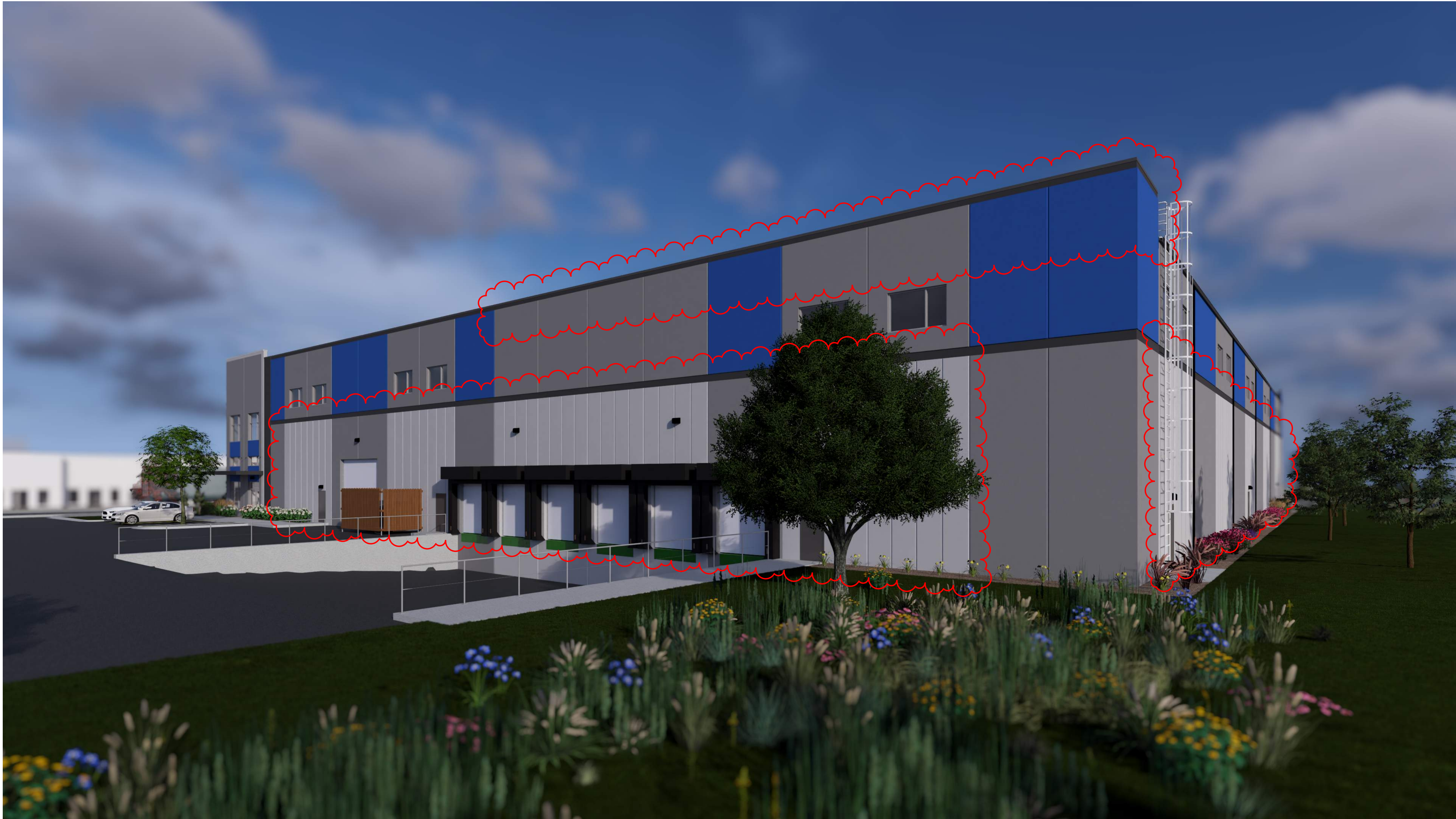
D



C

B

A



FEMRITE FLEX BUILDING
TENANT IMPROVEMENT
5001 FEMRITE DRIVE
MADISON, WI

Project Status

2025.02.03	UDC SUBMITTAL
2025.03.26	UDC SUBMITTAL - FINAL

PROJ. #: 24188-01

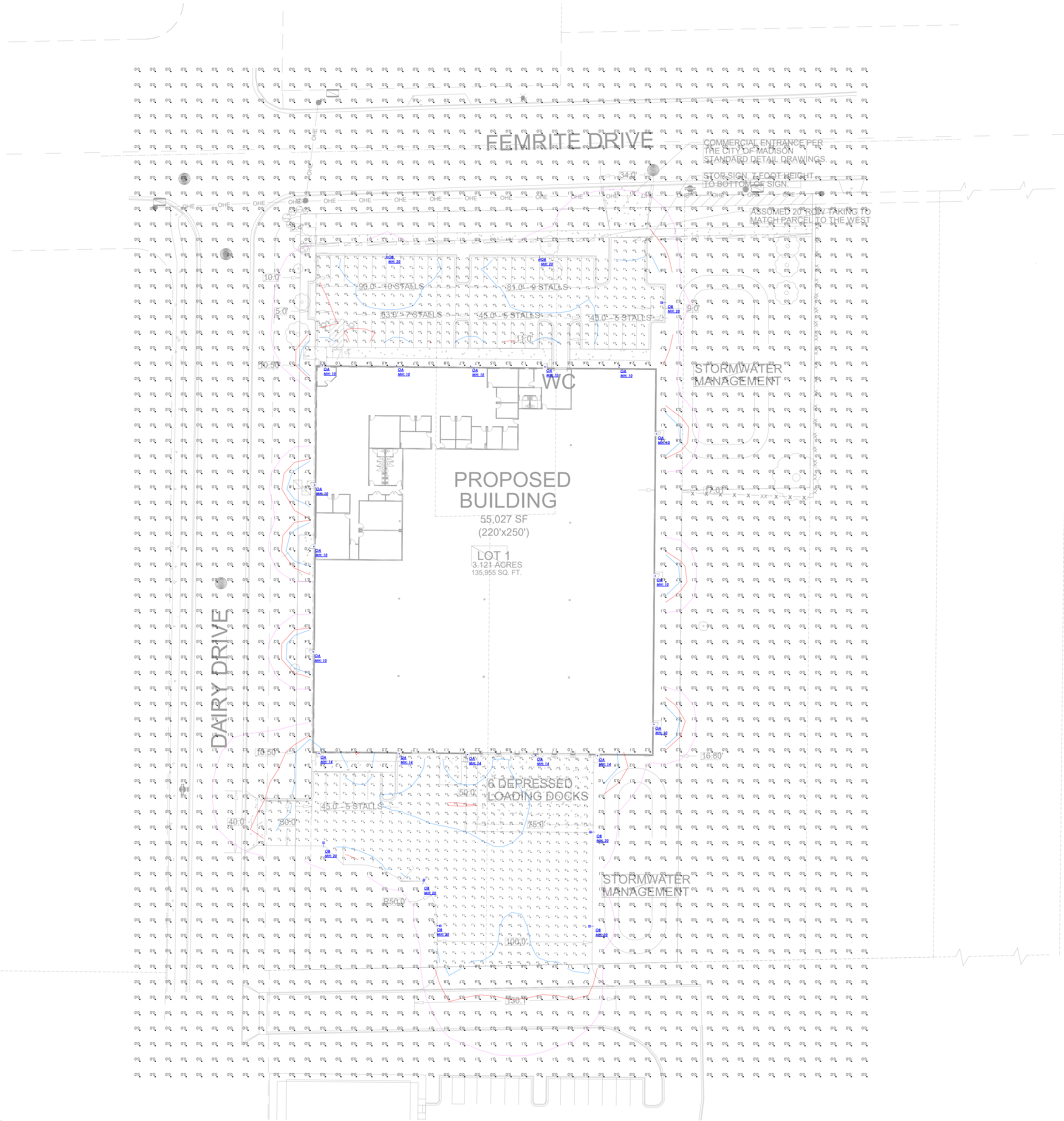
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ARCHITECTURE 2025

EXTERIOR
PERSPECTIVES
(BEFORE/AFTER)

1. Standard Reflectance of 80/50/20 unless noted otherwise
2. Not a Construction Document, for Design purposes only
3. Standard indoor calc points @ 30" A.F.F. unless noted otherwise
4. Standard outdoor calc points @ Grade unless noted otherwise
5. Egress calc points @ 0' A.F.F.
6. Mlazar Associates assumes no responsibility for installed light levels due to field conditions, etc.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
LOADING DOCK - DRIVE	Illuminance	Fc	1.36	4.4	0.3	4.53	14.67
PARKING LOT	Illuminance	Fc	1.04	2.2	0.4	2.60	5.50
SITE	Illuminance	Fc	0.12	9.4	0.0	N.A.	N.A.

Luminaire Schedule								
Symbol	Qty	Label	Manufacturer	Description	Arrangement	Lum. Lumens	Lum. Watts	LLF
	16	OA	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	XTOR2B	Single	2135	18.2	0.900
	8	OB	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-PA1B-740-U-T4W-HSS	Single	6423	74	0.900



#	Date	Comments
Revisions		

RLMA Project #: 167219
Drawn By: EP
Date: 1/7/2025
Scale: 1" = 30' 0"

DESCRIPTION

The patented Lumark Crosstour™ LED Wall Pack Series of luminaires provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

SPECIFICATION FEATURES

Construction

Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical

Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Available in seven lumen packages; 5000K, 4000K and 3000K CCT.

Electrical

LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 26W and 38W series operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized

electrical wiring compartment. Integral LED electronic driver is standard 0-10V dimming. 120-277V 50/60Hz or 347V 60Hz models.

Finish

Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life. Options to meet Buy American and other domestic preference requirements.

Warranty

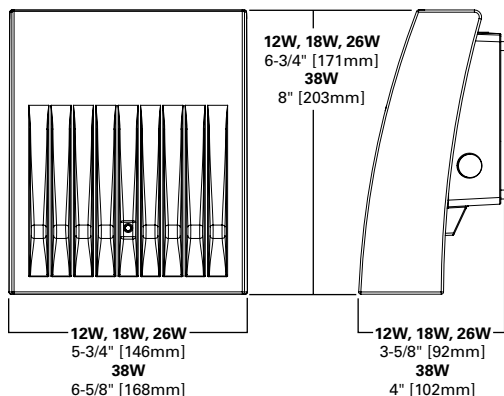
Five-year warranty.



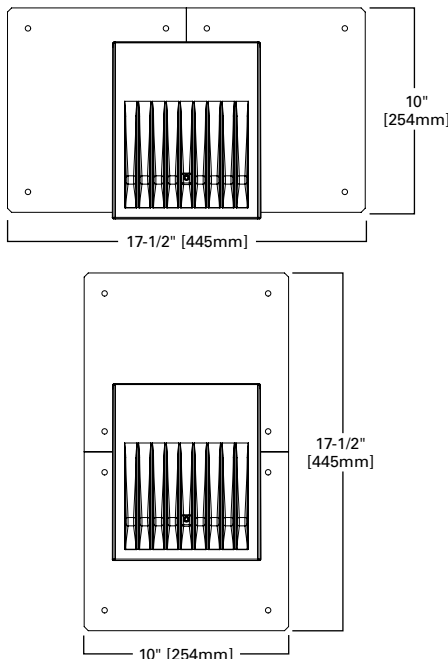
XTOR CROSSTOUR LED

APPLICATIONS:
WALL / SURFACE
POST / BOLLARD
LOW LEVEL
FLOODLIGHT
INVERTED
SITE LIGHTING

DIMENSIONS



ESCUTCHEON PLATES



CERTIFICATION DATA

Dark Sky Approved (Fixed mount, Full cutoff, and 3000K CCT only)
UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ADA Compliant
NOM Compliant Models
IP66 Ingress Protection Rated
Title 24 Compliant
DesignLights Consortium® Qualified*

TECHNICAL DATA

40°C Maximum Ambient Temperature
External Supply Wiring 90°C Minimum

EPA

Effective Projected Area (Sq. Ft.):
XTOR1B, XTOR2B, XTOR3B=0.34
XTOR4B=0.45

SHIPPING DATA:

Approximate Net Weight:
3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

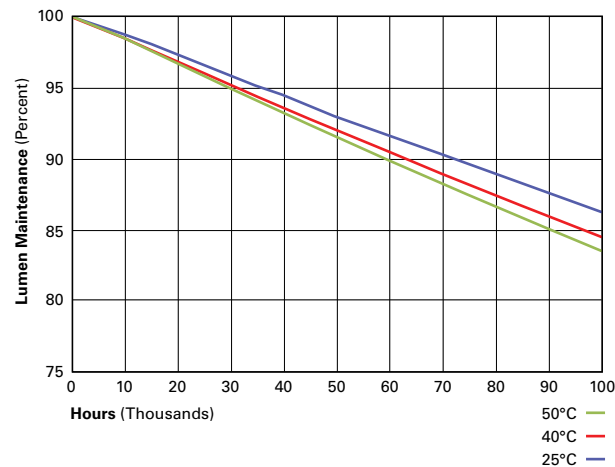
POWER AND LUMENS BY FIXTURE MODEL

LED Information	XTOR1B	XTOR1B-W	XTOR1B-Y	XTOR2B	XTOR2B-W	XTOR2B-Y	XTOR3B	XTOR3B-W	XTOR3B-Y	XTOR4B	XTOR4B-W	XTOR4B-Y
Delivered Lumens (Wall Mount)	1,418	1,396	1,327	2,135	2,103	1,997	2,751	2,710	2,575	4,269	4,205	3,995
Delivered Lumens (With Flood Accessory Kit) ¹	1,005	990	940	1,495	1,472	1,399	2,099	2,068	1,965	3,168	3,121	2,965
B.U.G. Rating ²	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B1-U0-G0	B2-U0-G0	B2-U0-G0	B2-U0-G0
CCT (Kelvin)	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70	70	70	70	70
Power Consumption (Watts)	12W	12W	12W	18W	18W	18W	26W	26W	26W	38W	38W	38W

NOTES: 1 Includes shield and visor. 2 B.U.G. Rating does not apply to floodlighting.

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
XTOR1B Model		
25°C	> 90%	255,000
40°C	> 89%	234,000
50°C	> 88%	215,000
XTOR2B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR3B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR4B Model		
25°C	> 89%	222,000
40°C	> 87%	198,000
50°C	> 87%	184,000



CURRENT DRAW

Voltage	Model Series			
	XTOR1B	XTOR2B	XTOR3B	XTOR4B
120V	0.103A	0.15A	0.22A	0.34A
208V	0.060A	0.09A	0.13A	0.17A
240V	0.053A	0.08A	0.11A	0.17A
277V	0.048A	0.07A	0.10A	0.15A
347V	0.039A	0.06A	0.082A	0.12A

ORDERING INFORMATION

Sample Number: XTOR2B-W-WT-PC1

Series ¹	LED Kelvin Color	Housing Color	Options (Add as Suffix)	Accessories (Order Separately) ⁸
XTOR1B =Small Door, 12W XTOR2B =Small Door, 18W XTOR3B =Small Door, 26W XTOR4B =Medium Door, 38W BAA-XTOR1B =Small Door, 12W, Buy American Act Compliant ⁷ TAA-XTOR1B =Small Door, 12W Trade Agreements Act Compliant ⁷ BAA-XTOR2B =Small Door, 18W, Buy American Act Compliant ⁷ TAA-XTOR2B =Small Door, 18W, Trade Agreements Act Compliant ⁷ BAA-XTOR3B =Small Door, 26W, Buy American Act Compliant ⁷ TAA-XTOR3B =Small Door, 26W, Trade Agreements Act Compliant ⁷ BAA-XTOR4B =Medium Door, 38W, Buy American Act Compliant ⁷ TAA-XTOR4B =Medium Door, 38W, Trade Agreements Act Compliant ⁷	[Blank] =Bright White (Standard), 5000K W =Neutral White, 4000K Y =Warm White, 3000K	[Blank] =Carbon Bronze (Standard) WT =Summit White BK =Black BZ =Bronze AP =Grey GM =Graphite Metallic DP =Dark Platinum	PC1 =Photocontrol 120V ² PC2 =Photocontrol 208-277V ^{2,3} 347V =347V ⁴ HA =50°C High Ambient ⁴	WG/XTOR =Wire Guard ⁵ XTORFLD-KNC =Knuckle Floodlight Kit ⁶ XTORFLD-TRN =Trunnion Floodlight Kit ⁶ XTORFLD-KNC-WT =Knuckle Floodlight Kit, Summit White ⁶ XTORFLD-TRN-WT =Trunnion Floodlight Kit, Summit White ⁶ EWP/XTOR =Escutcheon Wall Plate, Carbon Bronze EWP/XTOR-WT =Escutcheon Wall Plate, Summit White

NOTES:

- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
- Photocontrols are factory installed.
- Order PC2 for 347V models.
- Thru-branch wiring not available with HA option or with 347V. XTOR3B not available with HA and 347V or 120V combination.
- Wire guard for wall/surface mount. Not for use with floodlight kit accessory.
- Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.
- Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
- Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

STOCK ORDERING INFORMATION

Domestic Preferences ¹	12W Series	18W Series	26W Series	38W Series
[Blank] =Standard	XTOR1B =12W, 5000K, Carbon Bronze	XTOR2B =18W, 5000K, Carbon Bronze	XTOR3B =26W, 5000K, Carbon Bronze	XTOR4B =38W, 5000K, Carbon Bronze
BAA =Buy American Act	XTOR1B-WT =12W, 5000K, Summit White	XTOR2B-W =18W, 4000K, Carbon Bronze	XTOR3B-W =26W, 4000K, Carbon Bronze	XTOR4B-W =38W, 4000K, Carbon Bronze
TAA =Trade Agreements Act	XTOR1B-PC1 =12W, 5000K, 120V PC, Carbon Bronze	XTOR2B-WT =18W, 5000K, Summit White	XTOR3B-WT =26W, 5000K, Summit White	XTOR4B-WT =38W, 5000K, Summit White
	XTOR1B-W =12W, 4000K, Carbon Bronze	XTOR2B-PC1 =18W, 5000K, 120V PC, Carbon Bronze	XTOR3B-PC1 =26W, 5000K, 120V PC, Carbon Bronze	XTOR4B-PC1 =38W, 5000K, 120V PC, Carbon Bronze
		XTOR2B-W-PC1 =18W, 4000K, 120V PC, Carbon Bronze	XTOR3B-W-PC1 =26W, 4000K, 120V PC, Carbon Bronze	XTOR4B-W-PC1 =38W, 4000K, 120V PC, Carbon Bronze
		XTOR2B-347V =18W, 5000K, Carbon Bronze, 347V	XTOR3B-347V =26W, 5000K, Carbon Bronze, 347V	XTOR4B-347V =38W, 5000K, Carbon Bronze, 347V
		XTOR2B-WT-PC1 =18W, 5000K, 120V PC, Summit White	XTOR3B-PC2 =26W, 5000K, 208-277V PC, Carbon Bronze	

NOTES:

- Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

Prevail Discrete LED

Area / Site Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3, 4](#)
- Optical Configurations [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6](#)
- Control Options [page 8](#)

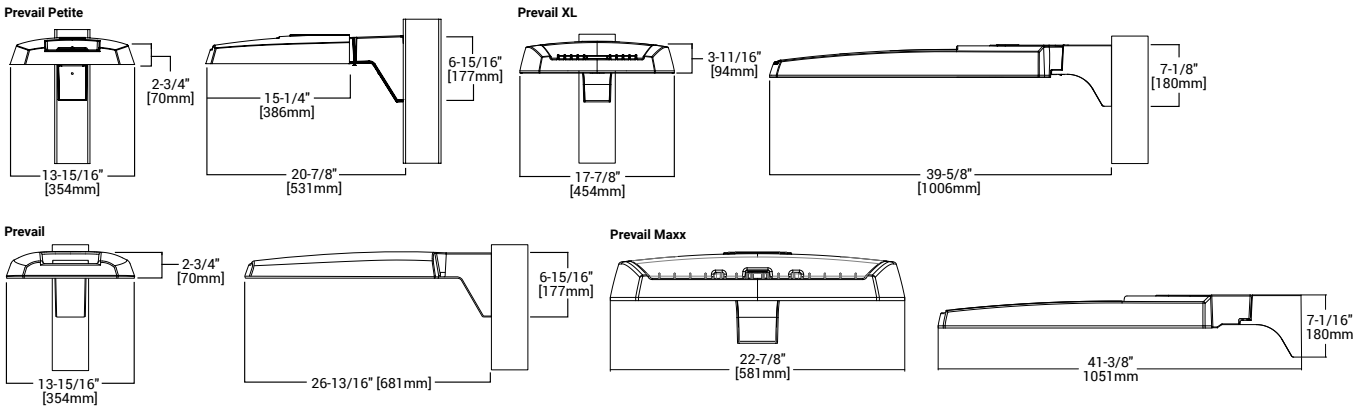
Quick Facts

- Direct-mounted discrete light engine for improved optical uniformity and visual comfort
- Lumen packages range from 4,300 - 68,000 nominal lumens (30W - 550W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 157 lumens per watt
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details




NOTES:
1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: **PRV-XL-PA4B-740-U-T4W-BZ**

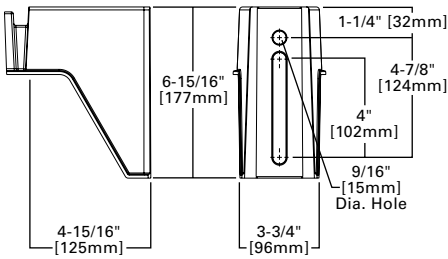
Product Family ^{1, 2}	Light Engine		Color Temperature	Voltage	Distribution	Mounting (Included)	Finish
	Configuration	Drive Current ⁴					
PRV-P =Prevail Petite BAA-PRV-P =Prevail Petite BAA Buy American Act Compliant ³ TAA-PRV-P =Prevail Petite TAA Trade Agreements Act Compliant ³	PA1 =1 Panel, 24 LED Rectangle	A =400mA Nominal B =700mA Nominal C =950mA Nominal D =1200mA Nominal	740 =70CRI, 4000K 730 =70CRI, 3000K 750 =70CRI, 5000K 8540 =85CRI, 4000K	U =Universal, 120-277V H =High Voltage, 347-480V 1=120V 2=208V 3=240V 4=277V 8=480V ⁵ 9=347V DV =DuraVolt, 277-480V ^{5, 6}	T2R =Type II Roadway T2U =Type II Urban T3 =Type III T4W =Type IV Wide 5WQ =Type V Square Wide	SA =QM Standard Versatile Arm MA =QM Mast Arm FMA =Fixed Mast Arm ²⁷ WM =QM Wall Mount Arm ADJA-WM = Adjustable Arm – Wall Mount ²⁹ ADJA =Adjustable Arm – Pole Mount ²⁹ ADJS =Adjustable Arm – Slipfitter, 3” vertical tenon ²⁹ SP2 =Adjustable Arm – Slipfitter, 2 3/8” vertical tenon ^{27, 29}	AP =Grey BZ =Bronze BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
PRV =Prevail BAA-PRV =Prevail BAA Buy American Act Compliant ³ TAA-PRV =Prevail TAA Trade Agreements Act Compliant ³	PA1 =1 Panel, 24 LED Rectangle PA2 =2 Panels, 48 LED Rectangles	A =700mA Nominal B =950mA Nominal					
PRV-XL =PRV XL BAA-PRV-XL =Prevail XL BAA Buy American Act Compliant ³ TAA-PRV-XL =Prevail XL TAA Trade Agreements Act Compliant ³	PA3 =3 Panels, 72 LED Rectangles PA4 =4 Panels, 96 LED Rectangles	A =750mA Nominal B =950mA Nominal					
PRV-M =Prevail Maxx BAA-PRV-M =Prevail Maxx BAA Buy American Act Compliant ³ TAA-PRV-M =Prevail Maxx TAA Trade Agreements Act Compliant ³	PA6 = 6 Panels, 144 LED Rectangles	A =600mA Nominal B =800mA Nominal C =1000mA Nominal D =1200mA Nominal					
Options (Add as Suffix)				Accessories (Order Separately) ^{20, 21}			
10K =10kV UL 1449 Fused Surge Protective Device 20MSP =20kV MOV Surge Protective Device 20K =20kV UL 1449 Fused Surge Protective Device F =Single Fuse (Used with Voltages 120, 277 or 347V) FF =Double Fuse (Used with Voltages 208, 240 or 480V) FADC =Field Adjustable Dimming Controller ³⁰ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right CC =Coastal Construction finish ⁹ HSS =House Side Shield (Factory Installed) ⁷ HA =50°C High Ambient Temperature ⁸ PR =NEMA 3-PIN Twistlock Photocontrol Receptacle ¹⁰ PR7 =NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁰ MS/DIM-L08 =Motion Sensor for Dimming Operation, Up to 8’ Mounting Height ^{11, 12, 13} MS/DIM-L20 =Motion Sensor for Dimming Operation, 9’ - 20’ Mounting Height ^{11, 12, 13} MS/DIM-L40 =Motion Sensor for Dimming Operation, 21’ - 40’ Mounting Height ^{11, 12, 13} SPB1 =Motion Sensor for Dimming Operation, BLE Interface, Up to 8’ Mounting Height ^{11, 14} SPB2 =Motion Sensor for Dimming Operation, BLE Interface, 8’ - 20’ Mounting Height ^{11, 14, 27, 28} SPB4 =Motion Sensor for Dimming Operation, BLE Interface, 21’ - 40’ Mounting Height ^{11, 14, 28}		WPS2XX =Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7’ - 15’ Mounting Height ^{11, 12, 15, 16, 17} WPS4XX =Wavelinx Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15’ - 40’ Mounting Height ^{11, 12, 15, 16, 17} WLS2XX =WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7’ - 15’ Mounting Height ^{11, 12, 15, 16, 17} WLS4XX =WaveLinx Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15’ - 40’ Mounting Height ^{11, 12, 15, 16, 17} (See Table Below) =LumenSafe Integrated Network Security Camera ^{18, 19}		PRVSA-XX =Standard Arm Mounting Kit ²² PRVMA-XX =Mast Arm Mounting Kit ²² PRVWM-XX =Wall Mount Kit ²² PRV-ADJA-XX =Adjustable Arm - Pole Mount Kit ²² PRV-ADJS-XX =Adjustable Arm - Slipfitter Kit ²² PRV-ADJA-WM-XX =Adjustable Arm - Wall Mount Kit ²² PRVXLSA-XX =Standard Arm Mounting Kit ²⁸ PRVXLMA-XX =Mast Arm Mounting Kit ²⁸ PRVXLWM-XX =Wall Mount Kit ²⁸ PRV-XL-ADJA-XX =Adjustable Arm - Pole Mount Kit ²⁸ PRV-XL-ADJA-WM-XX = Adjustable Arm - Wall Mount Kit ²⁸ PRV-XL-ADJS-XX = Adjustable Arm - Slipfitter Kit ²⁸ PRV-M-ADJA-XX =Adjustable Arm - Pole Mount Kit ²⁷ PRV-M-ADJS-XX =Adjustable Arm - Slipfitter Kit ²⁷ PRV-M-ADJA-WM-XX =Adjustable Arm - Wall Mount Kit ²⁷ MA1010-XX =Single Tenon Adapter for 3-1/2” O.D. Tenon MA1011-XX =2@180° Tenon Adapter for 3-1/2” O.D. Tenon		MA1017-XX =Single Tenon Adapter for 2-3/8” O.D. Tenon MA1018-XX =2@180° Tenon Adapter for 2-3/8” O.D. Tenon SRA238 =Tenon Adapter from 3” to 2-3/8” PRV/DIS-FDV =Full Drop Visor ²³ PRVXL/DIS-FDV =Full Drop Visor ¹⁸ HSS-VP =House Side Shield Kit, Vertical Panel ^{7, 24} HSS-HP =House Side Shield Kit, Horizontal Panel ^{7, 24} VGS-ARCH = Panel Drop Shield, Short VGL-ARCH = Panel Drop Shield, Long OA/RA1013 =Photocontrol Shorting Cap OA/RA1014 =NEMA Photocontrol - 120V OA/RA1016 =NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201 =NEMA Photocontrol - 347V OA/RA1027 =NEMA Photocontrol - 480V FSIR-100 =Wireless Configuration Tool for Occupancy Sensor ²⁵ WOLC-7P-10A =WaveLinx Outdoor Control Module (7-PIN) ²⁶	
NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information. 3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC.PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 4. Nominal drive currents shown here. For actual drive current by configuration, refer to Power and Lumens tables. 5. 480V not to be used with ungrounded or impedance grounded systems. 6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information. 7. House Side Shield not for use with 5WQ distribution. 8. Not available with PATD light engine in Petite housing (PRV-P). 9. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 10. If High Voltage (H) or DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used. 11. Controls system is not available in combination with a photocontrol receptacle (PR or PR7) or another controls system (MS SPB). 12. Option not available with High Voltage (H) or DuraVolt (DV). Must specify Universal (U), 347V (9), or 480V (8) voltage. 13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately. 14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details. 15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).							
16. In order for the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information. 17. Replace XX with sensor color (WH, BZ or BK). 18. Only available in PRV-XL configurations. 19. Not available with High Voltage (H, DV, 8 or 9) or HA options. Consult LumenSafe system product pages for additional details and compatibility information. 20. Replace XX with paint color. 21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 22. Not for use with PRV-XL or PRV-M configurations. 23. Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P. 24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 3, 4, or 6). Refer to House Side Shield reference table for details. 25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information. 26. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V. 27. Only available for PRV-M configurations. 28. Only for use with PRV-XL. 29. Fixed for PRV-M 30. Cannot be used with PR7 or other motion response control options.							

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

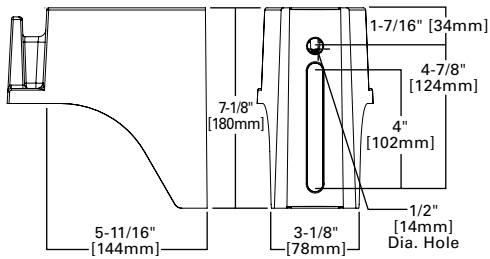
Product Family	Camera Type	Data Backhaul	
L =LumenSafe Technology 	H =Dome Camera, High Res Z =Dome Camera, Remote PTZ	C =Cellular, Customer Installed SIM Card A =Cellular, Factory Installed AT&T SIM Card V =Cellular, Factory Installed Verizon SIM Card	S =Cellular, Factory Installed Sprint SIM Card E =Ethernet Networking

Mounting Details

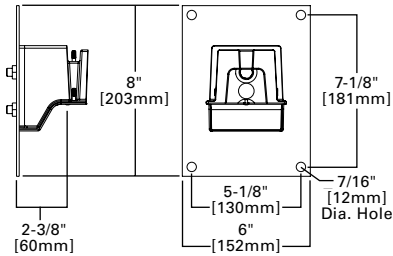
SA=QM Pole Mount Arm (PRV & PRV-P)



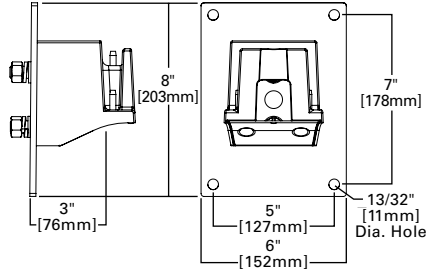
SA=QM Pole Mount Arm (PRV-XL)



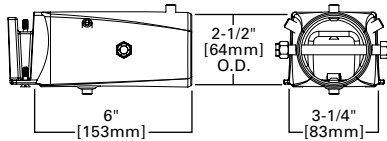
WM=QM Wall Mount Arm (PRV & PRV-P)



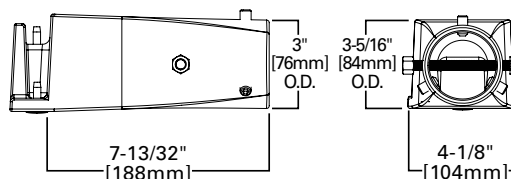
WM=QM Wall Mount Arm (PRV-XL)



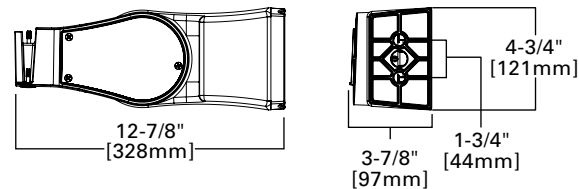
MA=QM Mast Arm (PRV & PRV-P)



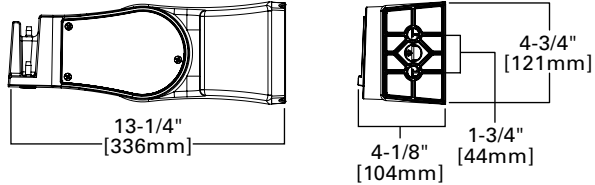
MA=QM Mast Arm (PRV-XL)



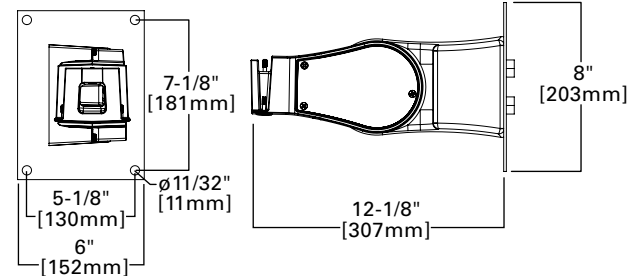
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



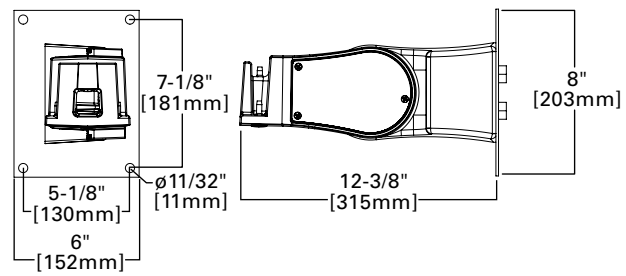
ADJA=Adjustable Arm Pole Mount (PRV-XL)



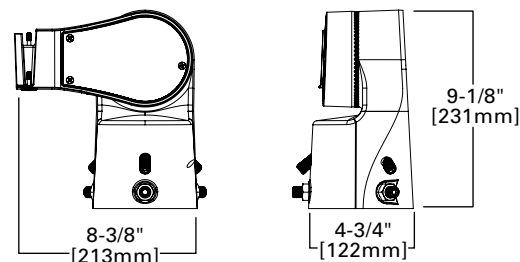
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



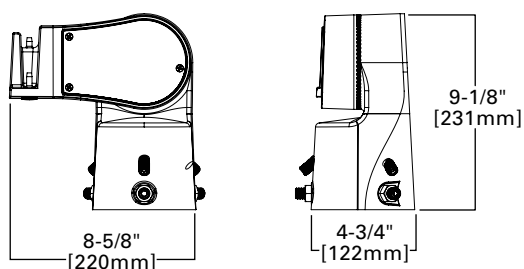
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



ADJS=Adjustable Slipfitter 3 (PRV & PRV-P)

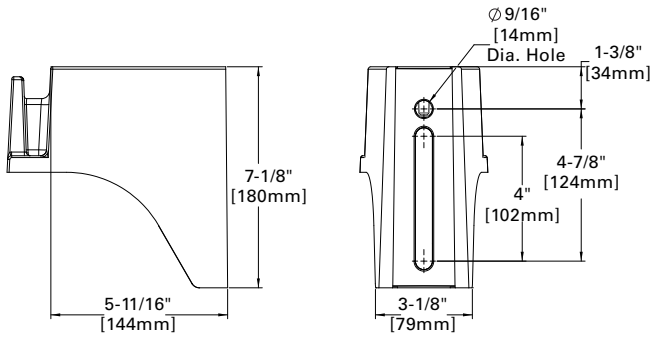


ADJS=Adjustable Slipfitter 3 (PRV-XL)

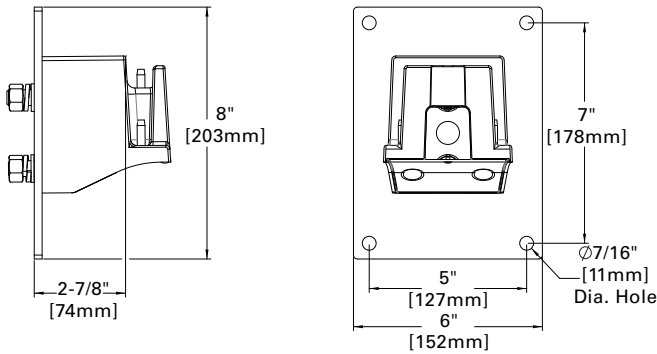


Mounting Details

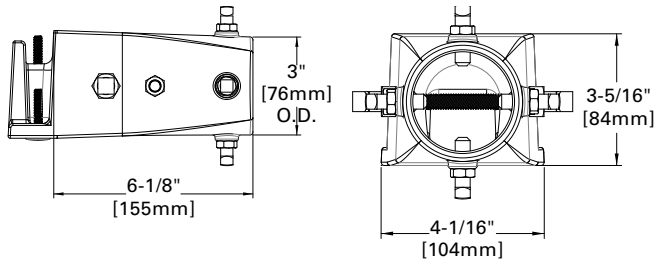
SA=QM Pole Mount Arm (PRV-M)



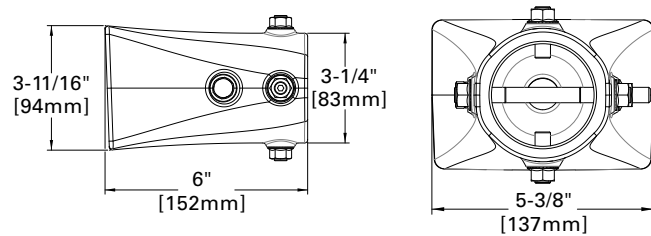
WM=QM Wall Mount Arm (PRV-M)



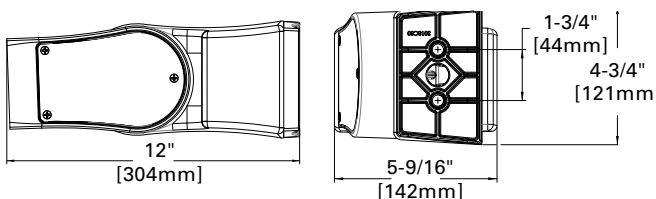
MA=QM Mast Arm (PRV-M)



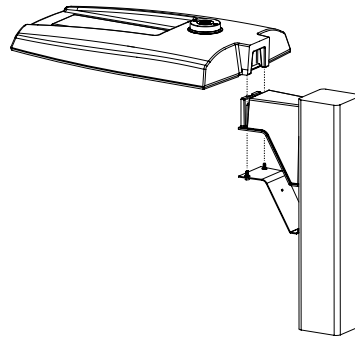
FMA=Fixed Mast Arm (PRV-M)



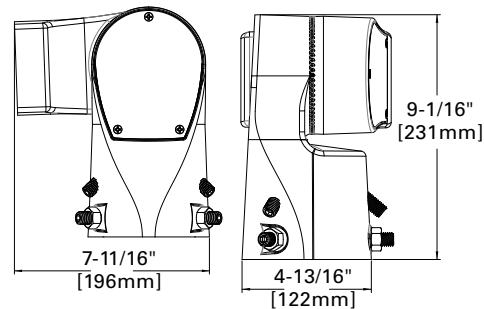
ADJA=Adjustable Pole Mount Arm (PRV-M)



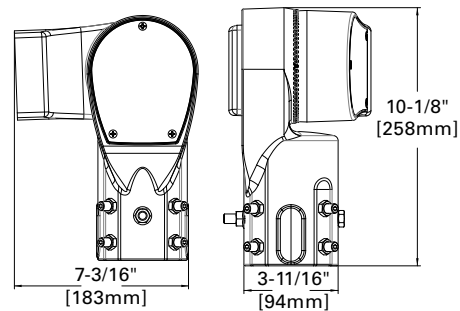
Versatile Mount System



ADJS=Adjustable Slipfitter (PRV-M)




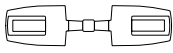
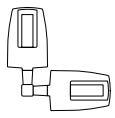
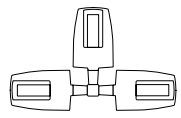
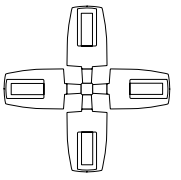
SP2=Adjustable Slipfitter 2-3/8\" (PRV-M)



Mounting Details

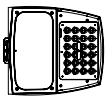
Mounting Configurations and EPAs

NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications

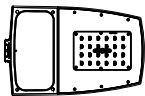
						
Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49
Prevail Maxx	0°	1.28	2.56	1.7	2.69	2.69
	60°	5.09	5.52	6.34	7.49	7.81

Optical Configurations

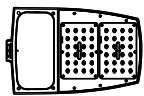
PRV-P-PA1X



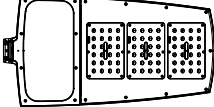
PRV-PA1X



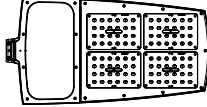
PRV-PA2X



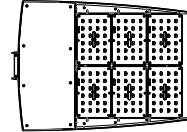
PRV-XL-PA3X



PRV-XL-PA4X



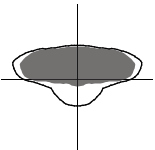
PRV-M-PA6X



Optical Distributions

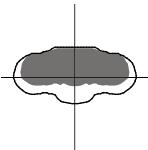
T2R

(Type II Roadway)



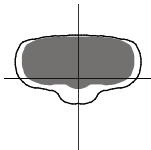
T2U

(Type II Urban)



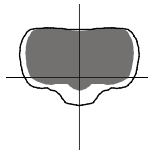
T3

(Type III)



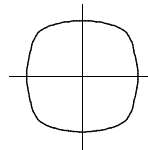
T4W

(Type IV Wide)



5WQ

(Type V Square Wide)



■ = Distribution with House Side Shield (HSS)
□ = Optical Distribution

Product Specifications

Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door

Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical

- 40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge

- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels; Comes pre-set to the highest position at the lumen output selected

Mounting

- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only
- Prevail and Prevail Petite: 3G vibration rated (all arms)
- Prevail XL Mast Arm: 3G vibration rated

- Prevail XL Standard Arm: 1.5G vibration rated
- Adjustable Arms: 1.5G vibration rated

Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)

Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)
- Prevail Maxx: 49 lbs. (22.23 kgs.)

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Power and Lumens



View PRV-P IES files



View PRV IES files



View PRV-XL IES files

Product Family		Prevail Petite				Prevail				Prevail XL				Prevail Maxx			
Light Engine		PA1A	PA1B	PA1C	PA1D	PA1A	PA1B	PA2A	PA2B	PA3A	PA3B	PA4A	PA4B	PA6A	PA6B	PA6C	PA6D
Power (Watts)		31	53	72	93	54	74	113	151	172	234	245	303	274	366	457	544
Drive Current (mA)		375	670	930	1200	670	930	720	970	750	980	785	970	600	800	1000	1200
Input Current @ 120V (A)		0.26	0.44	0.60	0.78	0.45	0.62	0.93	1.26	1.44	1.95	2.04	2.53	2.30	3.05	3.83	4.54
Input Current @ 277V (A)		0.12	0.20	0.28	0.35	0.21	0.28	0.41	0.55	0.62	0.85	0.93	1.12	0.99	1.30	1.62	1.94
Input Current @ 347V (A)		0.10	0.17	0.23	0.29	0.17	0.23	0.33	0.45	0.52	0.70	0.74	0.90	0.78	1.05	1.32	1.60
Input Current @ 480V (A)		0.07	0.13	0.17	0.22	0.12	0.17	0.24	0.33	0.39	0.52	0.53	0.65	0.58	0.76	0.95	1.14
Distribution																	
Type II Roadway	4000K/5000K Lumens	4,505	7,362	9,495	11,300	7,605	9,896	15,811	19,745	24,718	30,648	34,067	39,689	41,611	52,596	61,921	67,899
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	147	139	132	121	141	134	141	131	144	131	139	131	152	144	135	125
	3000K Lumens ¹	4,103	6,705	8,647	10,291	6,926	9,012	14,399	17,982	22,511	27,912	31,025	36,145	37,896	47,900	56,392	61,837
Type II Roadway w/ HSS	4000K/5000K Lumens	3,727	6,091	7,855	9,349	6,006	7,815	12,487	15,594	19,521	24,204	26,094	31,334	32,874	41,553	48,919	53,642
	BUG Rating	B0-U0-G1	B0-U0-G2	B0-U0-G2	B1-U0-G2	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5
	Lumens per Watt	121	115	109	100	111	106	111	103	113	103	107	103	120	114	107	99
	3000K Lumens ¹	3,394	5,547	7,154	8,514	5,470	7,117	11,372	14,201	17,778	22,043	24,502	28,545	29,939	37,843	44,552	48,853
Type II Urban	4000K/5000K Lumens	4,496	7,347	9,476	11,277	7,597	9,886	15,795	19,724	24,692	30,616	34,031	39,647	41,372	52,294	61,565	67,509
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	141	134	141	131	144	131	139	131	151	143	135	124
	3000K Lumens ¹	4,095	6,691	8,630	10,271	6,919	9,003	14,384	17,963	22,488	27,882	30,992	36,107	37,678	47,625	56,068	61,481
Type II Urban w/ HSS	4000K/5000K Lumens	3,253	5,316	6,856	8,160	5,297	6,893	11,013	13,753	17,217	21,347	23,728	27,644	28,951	36,594	43,082	47,241
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
	Lumens per Watt	106	101	95	87	98	93	97	91	100	91	97	91	106	100	94	87
	3000K Lumens ¹	2,963	4,841	6,244	7,431	4,824	6,277	10,029	12,525	15,680	19,441	21,609	25,176	26,366	33,327	39,235	43,023
Type III	4000K/5000K Lumens	4,443	7,261	9,364	11,145	7,575	9,857	15,749	19,667	24,621	30,527	33,932	39,532	41,155	52,020	61,242	67,155
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	145	138	130	119	140	133	141	130	143	130	138	130	150	142	134	123
	3000K Lumens ¹	4,046	6,612	8,528	10,150	6,899	8,977	14,343	17,911	22,423	27,802	30,903	36,002	37,480	47,375	55,774	61,159
Type III w/ HSS	4000K/5000K Lumens	3,406	5,566	7,179	8,543	5,592	7,277	11,626	14,519	18,176	22,536	25,049	29,183	30,159	38,121	44,879	49,212
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	111	105	100	91	104	98	103	96	106	96	102	96	110	104	98	90
	3000K Lumens ¹	3,102	5,069	6,538	7,781	5,093	6,627	10,588	13,222	16,553	20,524	22,813	26,578	27,466	34,717	40,872	44,818
Type IV Wide	4000K/5000K Lumens	4,348	7,106	9,164	10,906	7,484	9,738	15,560	19,431	24,325	30,161	33,525	39,057	41,207	52,086	61,320	67,240
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	142	135	127	117	139	132	139	129	141	129	137	129	151	142	134	124
	3000K Lumens ¹	3,960	6,471	8,346	9,932	6,816	8,869	14,170	17,696	22,153	27,468	30,531	35,570	37,528	47,435	55,845	61,236
Type IV Wide w/ HSS	4000K/5000K Lumens	3,318	5,422	6,993	8,323	5,420	7,053	11,268	14,072	17,617	24,843	24,279	28,286	30,005	37,926	44,650	48,961
	BUG Rating	B0-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	108	103	97	89	100	95	100	93	102	106	99	93	110	104	98	90
	3000K Lumens ¹	3,022	4,938	6,369	7,580	4,936	6,423	10,262	12,816	16,044	19,892	22,111	25,760	27,326	34,540	40,664	44,589
Type V Square Wide	4000K/5000K Lumens	4,497	7,349	9,478	11,280	7,831	10,190	16,281	20,332	25,453	31,559	35,079	40,868	42,947	54,285	63,909	70,079
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	139	131	121	145	138	145	135	148	135	143	135	157	143	136	129
	3000K Lumens ¹	4,095	6,693	8,632	10,273	7,132	9,280	14,827	18,517	23,180	28,741	31,947	37,219	39,112	49,438	58,203	63,822

NOTES:

1. For 3000K or HSS BUG Ratings, refer to published IES files

Energy and Performance Data

House Side Shield Reference Table

Product Family		Prevail	Prevail		Prevail XL		Prevail Maxx
Light Engine		PA1	PA1	PA2	PA3	PA4	PA6
Rotated Optics	Standard	HSS-HP (Qty 1)	HSS-VP (Qty 1)	HSS-HP (Qty 2)	HSS-HP (Qty 3)	HSS-VP (Qty 4)	HSS-HP (qty 6)
	L90 or R90 option	HSS-VP (Qty 1)	HSS-HP (Qty 1)	HSS-VP (Qty 2)	HSS-VP (Qty 3)	HSS-HP (Qty 4)	HSS-VP (qty 6)

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

FADC Settings

FADC Postion	Percent of Typical Lumen Output
1	25%
2	48%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Lumen Maintenance

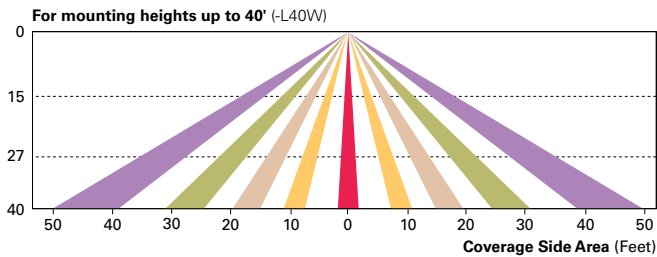
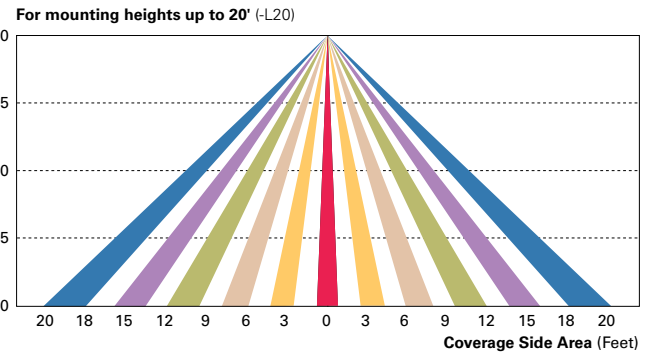
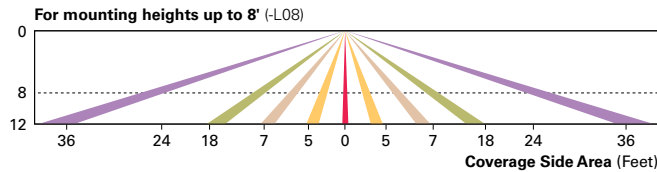
Ambient Temperature	TM-21 Lumen Maintenance (78,000 Hours)	Theoretical L70 (Hours)
Up to 50°C	96.76%	> 896,000

Control Options

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

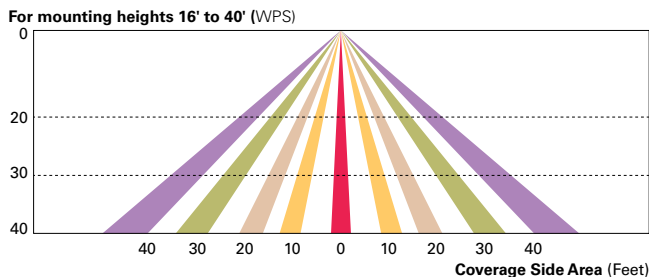
Dimming Occupancy Sensor (SPB, MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. These occupancy sensors include an integral photocell for "dusk-to-dawn" control or "daylight harvesting." Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.



WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx PRO Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for "dusk-to-dawn" control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.



LumenSafe (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.