

# 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:

Paid \_\_\_\_\_ Receipt # \_\_\_\_\_

Date received \_\_\_\_\_

Received by \_\_\_\_\_

Aldermanic District \_\_\_\_\_

Zoning District \_\_\_\_\_

Urban Design District \_\_\_\_\_

Submittal reviewed by \_\_\_\_\_

Legistar # \_\_\_\_\_

12/16/20  
9:16 a.m.

RECEIVED

Complete all sections of this application, including the desired meeting date and the action requested.

*If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the phone number above immediately.*

## 1. Project Information

Address: 4725 Tradewinds Parkway

Title: Tradewinds Light Industrial Building

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

UDC meeting date requested January 27, 2021

- 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)  
 Signage Variance (i.e. modification of signage height, area, and setback)  
 Signage Exception

### Other

- Please specify \_\_\_\_\_

## 4. Applicant, Agent, and Property Owner Information

Applicant name Mark Membrino  
Street address 11520 E. Creek Road  
Telephone 608-207-5149

Project contact person \_\_\_\_\_  
Street address \_\_\_\_\_  
Telephone \_\_\_\_\_

Property owner (if not applicant) \_\_\_\_\_  
Street address \_\_\_\_\_  
Telephone \_\_\_\_\_

Company MPI Tradewinds II, LLC  
City/State/Zip Darien, WI 53114  
Email mmembrino@marshallparkusa.com

Company \_\_\_\_\_  
City/State/Zip \_\_\_\_\_  
Email \_\_\_\_\_

City/State/Zip \_\_\_\_\_  
Email \_\_\_\_\_

5. Required Submittal Materials

- Application Form
- 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 CDR or Signage Variance review criteria is required.
- Development Plans (Refer to checklist on Page 4 for plan details)
- Filing fee
- Electronic Submittal\*
- 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.

Each submittal must include fourteen (14) 11" x 17" **collated** paper copies. Landscape and Lighting plans (if required) must be **full-sized and legible**. Please refrain from using plastic covers or spiral binding.

Both the paper copies and electronic copies must be submitted prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. 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. All plans must be legible when reduced.

*\*Electronic copies of all items submitted in hard copy are required. Individual PDF files of each item submitted should be compiled on a CD or flash drive, or submitted via email to [udcapplications@cityofmadison.com](mailto:udcapplications@cityofmadison.com). The email must include the project address, project name, and applicant name. Electronic submittals via file hosting services (such as Dropbox.com) are not allowed. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.*

6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Janine Glaeser on December 14, 2020.
2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of applicant Mark Membrino Relationship to property Owner  
 Authorizing signature of property owner  Date 12/14/20

7. Application Filing Fees

Fees are required to be paid with the first application for either initial or final approval of a project, unless the project is part of the combined application process involving the Urban Design Commission in conjunction with Plan Commission and/or Common Council consideration. Make checks payable to City Treasurer. Credit cards may be used for application fees of less than \$1,000.

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

- Urban Design Districts: \$350 (per §35.24(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 signage variances (i.e. modifications of signage 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

## 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. Applicants may, at their discretion, request to make an Informational Presentation to the UDC prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design. 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 Variance 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

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.

When presenting projects to the UDC, applicants must fill out a registration slip provided in the meeting room and present it to the Secretary. Presentations should generally be limited to 5 minutes or as extended by motion by consent of the Commission. The Commission will withhold questions until the end of the presentation.

Applicants are encouraged to consider the use of various graphic presentation material including a locator map, photographs, renderings/model, scale drawings of the proposal in context with adjacent buildings/uses/signs, etc., as may be deemed appropriate to describe the project and its surroundings. Graphics should be mounted on rigid boards so that they may be easily displayed. **Applicants/presenters are responsible for all presentation materials, AV equipment and easels.**

# URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

The items listed below are minimal 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 (include material 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:**

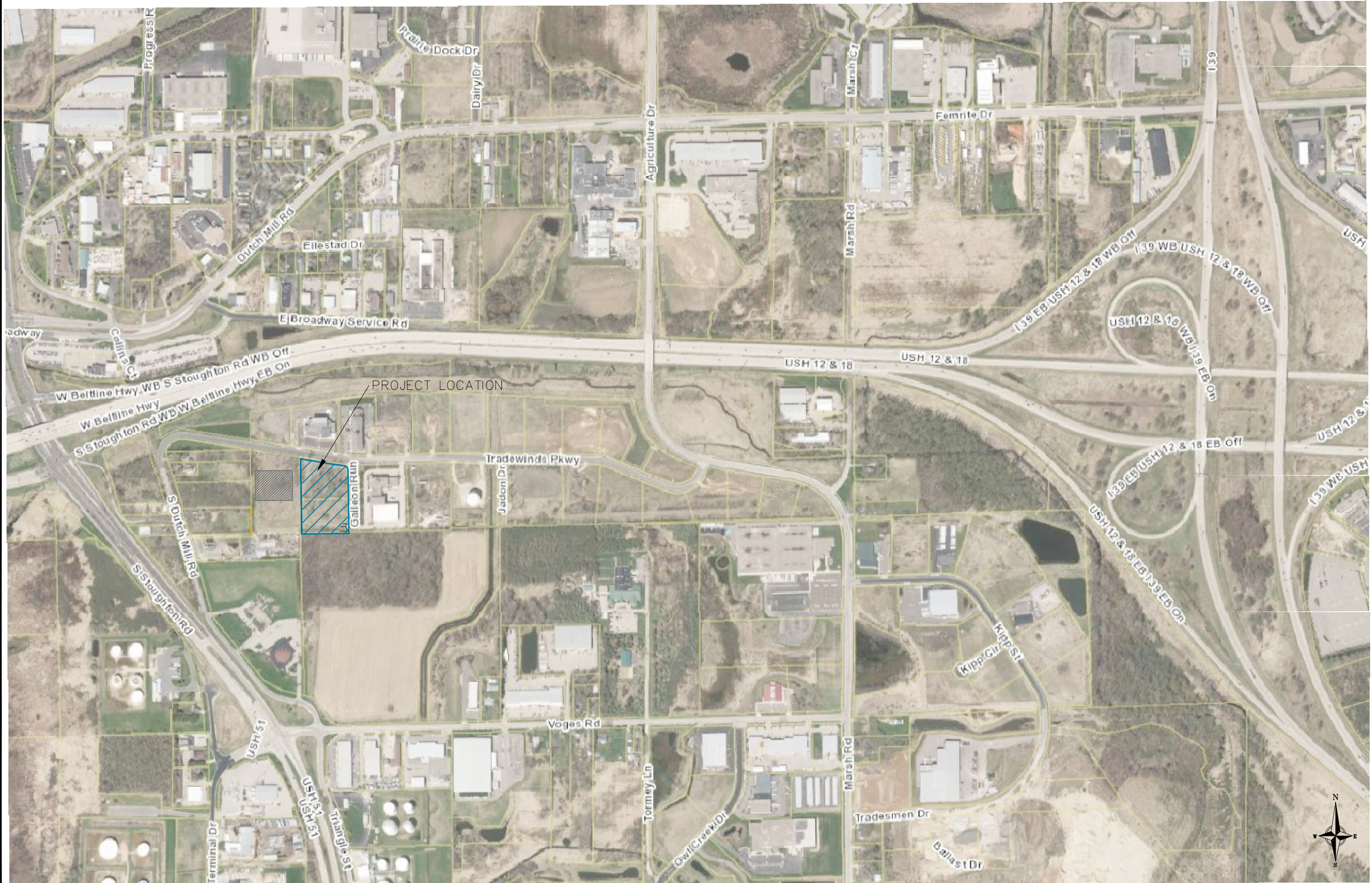
- Grading Plan
- Proposed Signage (if applicable)
- Lighting Plan, including fixture cut sheets and photometrics plan (*must be legible*)
- Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- PD text and Letter of Intent (if applicable)
- Samples of the exterior building materials (presented at the UDC meeting)

## 4. Comprehensive Design Review (CDR) and Variance Requests (Signage applications only)

- Locator Map
- Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Variance 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

# TRADEWINDS II

© Vierbicher Associates, Inc. 13 Dec 2020 - 1:47p M:\Membrino\200338 - Tradewinds II\CADD\200338\_Tile and Details.dwg by: dper



Locator Map  
Tradewinds II  
City of Madison  
Dane County, Wisconsin

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

DATE: 12/11/2020  
DRAFTER: DPER  
CHECKED: \_\_\_\_\_  
PROJECT NO.: 200338

T1.0

**The Lionshare Group, LLC**  
7818 Big Sky Drive STE 216  
Madison, WI 53719  
**Tel** (608) 235-6499  
**Email** jamesspahr@lionsharegroupllc.com



URBAN DESIGN LETTER OF INTENT

12.14.2020

Speculative Light Industrial Building  
Parcel Address: 4725 Tradewinds Parkway

The project consists of a 43,740 sf, state-of-the-art, building set up for multi-tenant occupancy. The building will have offices facing North on Tradewinds Parkway, and loading docks facing South with access to Galleon Court (Cul-de-Sac). The building will feature pre-cast concrete construction, and expansive daylighting achieved utilizing clerestory windows throughout.

#### 1. Site Planning

- a. The site provides for ingress and egress from both Tradewinds Parkway and Galleon Court.
- b. The site provides current stormwater best practices as approved by the City of Madison
- c. Utilities to serve the building will be underground.

#### 2. Parking Lots / Loading Docks

- a. Parking lots are designed to provide landscaped islands as well as extensive perimeter landscaping.
- b. Trash collection areas will be located behind the building and will be screened from adjacent properties with a combination of screen walls and landscaping.



### 3. Landscaping

- a. Landscaping includes both functional and decorative purposes. Screening of cars from street and shading of parking lot pavement.
- b. A variety of trees and shrubs will be proposed, mostly native species suitable to this environment.
- c. Tree groupings including shade trees, ornamental trees, and evergreens which will be proposed for the periphery areas.
- d. Foundation plantings will be used along the front and East side of the building.

### 4. Building / Site Relationships

- a. The building is located to provide optimal function for employees, customers, and trucking logistics.
- b. The site was designed for and has the correct infrastructure to support uses such as this project.

### 5. Lighting

- a. Lighting will be developed to minimize light pollution and light spilling onto adjacent properties.
- b. Lighting will be designed to minimize glare to Tradewinds traffic. Pole lights are planned for the perimeter of the site parking lot and loading drives.
- c. Building Facades: wall lights will be used over the loading doors facing Tradewinds Parkway, soffit lights are planned at the office entry, there will also be a canopy along parts of the North elevation which will also utilize soffit down-lighting.

### 6. Utility Service



- a. The utilities are underground on this site.

## 7. Signs

- a. Wall signage will be located on the North side of the building facing Tradewinds Parkway.
- b. The signage package will be in conformance with Madison and UDC sign ordinances and will be submitted at a later date.



## Mark Membrino

---

**From:** Tierney, Michael <district16@cityofmadison.com>  
**Sent:** Thursday, December 10, 2020 9:31 AM  
**To:** Mark Membrino  
**Subject:** Re: 4725 Tradewinds- New Development

Hi Mark,

I am fully supportive of this project and it is my hope that approvals to move forward on it can be granted without delay.

Thank you.

Mike Tierney  
District 16 Alder  
Madison Common Council

---

**From:** Mark Membrino <Mmembrino@marshallparkusa.com>  
**Sent:** Saturday, December 5, 2020 6:24 AM  
**To:** Tierney, Michael  
**Cc:** Kyle Gapson  
**Subject:** 4725 Tradewinds- New Development

Caution: This email was sent from an external source. Avoid unknown links and attachments.

Alderman Tierney- I hope all is well and that you are staying safe and healthy.

Our project at 4701 Tradewinds is going well and we should be enclosed within the week. Thank you for your support in moving this forward with the city in these trying times.

This project has generated a lot of interest in our adjacent site at 4725 Tradewinds so we are moving forward with a speculative 44,000 SF Class A industrial building. Attached are the site plan, elevations, and renderings for you to review.

We request your support as you have provided on the last 2 projects (5305 Femrite, Viking Electric and 4725 Tradewinds, IKM). We have our DAT meeting next week and plan to submit to the UDC on 12/16.

I am available any time to discuss the project should you have any questions or comments.

Thank you for your consideration

Mark Membrino  
608.207.5149  
**Marshall Park Investments**

*Photos and  
Renderings of  
Adjacent  
Developments*



*Existing residential homes on South Dutch Mill Road (East of Site)*



*Madison Water Utility Well No. 31  
4901 Tradewinds Parkway*



*Wisconsin Management Company and FGS Restoration (East side of Galleon Run/North of Tradewinds Parkway)  
4801 Tradewinds Parkway*



*Ho-Chunk Nation Madison Office  
4724 Tradewinds Parkway*



*Sleep Inn & MainStay Suites (South Side of Tradewinds Parkway)  
4802 Tradewinds Parkway*



***Flex Space Commercial Building  
5004-5032 Tradewinds Parkway)***





***Illingworth-Kilgust Mechanical – 4701 Tradewinds Parkway***



***Illingworth-Kilgust Mechanical – 4701 Tradewinds Parkway***



*Illingworth-Kilgust Mechanical – 4701 Tradewinds Parkway*



***Illingworth-Kilgust Mechanical – 4701 Tradewinds Parkway  
(Currently under construction by MPI/Lionshare Group)***



***Illingworth-Kilgust Mechanical – 4701 Tradewinds Parkway  
(Currently under construction by MPI/Lionshare Group)***



***Viking Electric – 5409 Femrite Drive  
(Previous completed site by MPI/Lionshare Group)***

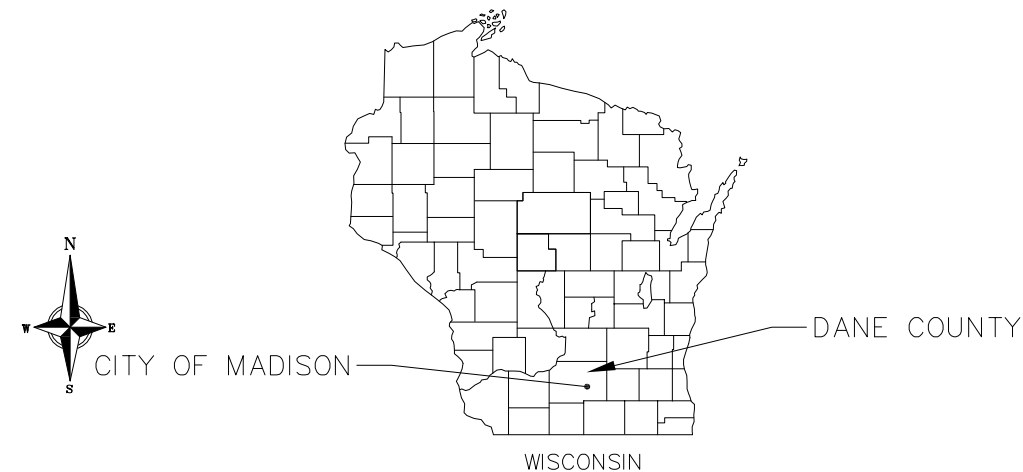


***Viking Electric – 5409 Femrite Drive  
(Previous completed site by MPI/Lionshare Group)***

# TRADEWINDS II CITY OF MADISON DANE COUNTY, WISCONSIN



PROJECT LOCATION



SHEET NO.	DESCRIPTION
T1.0	TITLE SHEET
C1.0	EXISTING CONDITIONS
C2.0	SITE PLAN
C3.0	GRADING PLAN
C4.0	UTILITY PLAN
L1.0-L1.2	LANDSCAPE PLAN AND DETAILS
E100	SITE LIGHTING PHOTOMETRICS



### SITE BENCHMARKS

- Ⓜ** BENCHMARK 1  
HYDRANT TAG BOLT  
ELEV = 859.94  
~60' NORTH OF THE  
NORTHWEST PROPERTY  
CORNER OF LOT 11
- Ⓜ** BENCHMARK 2  
HYDRANT TAG BOLT  
ELEV = 861.70  
~60' NORTHEAST OF THE  
NORTHEAST PROPERTY  
CORNER OF LOT 11
- Ⓜ** BENCHMARK 3  
HYDRANT TAG BOLT  
ELEV = 860.54  
~60' EAST OF THE  
SOUTHEAST PROPERTY  
CORNER OF LOT 10
- Ⓜ** BENCHMARK 4  
HYDRANT TAG BOLT  
ELEV = 862.18  
~230' NORTHEAST OF THE  
NORTHEAST PROPERTY  
BOUNDARY RADIUS POINT  
OF LOT 9

THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

CALL DIGGER'S HOTLINE  
1-800-242-8511

Title Sheet  
Tradewinds II  
City of Madison  
Dane County, Wisconsin

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE
1	12/16/20		

DATE  
12/16/2020

DRAFTER  
DPER

CHECKED  
-----

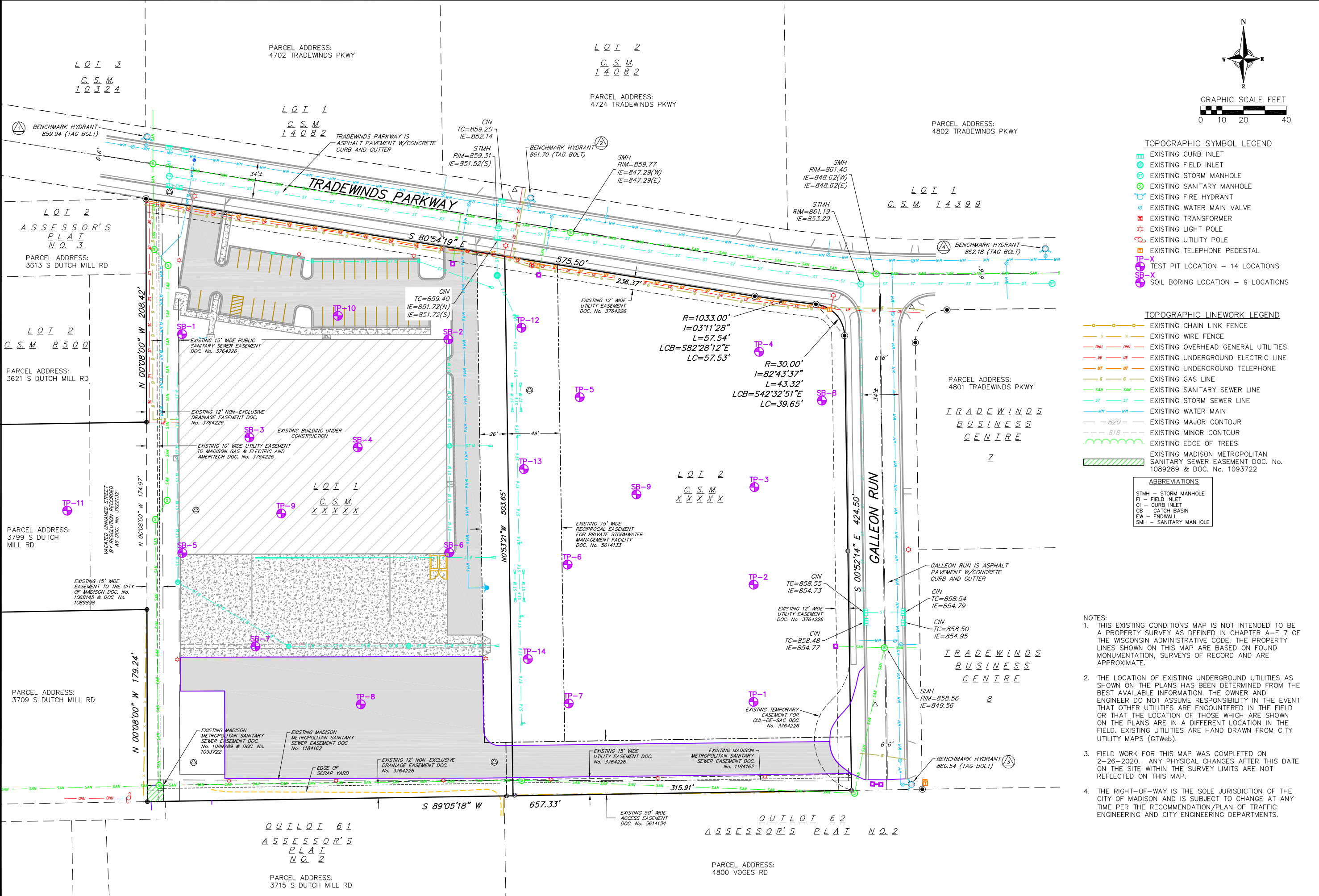
PROJECT NO.  
200338

### T1.0



© Vierbicher Associates, Inc.

M:\Membrino\200338 - Tradewinds II\CADD\200338\_Existing Conditions.dwg by: dper 13 Dec 2020 - 1:27p



- TOPOGRAPHIC SYMBOL LEGEND**
- EXISTING CURB INLET
  - EXISTING FIELD INLET
  - EXISTING STORM MANHOLE
  - EXISTING SANITARY MANHOLE
  - EXISTING FIRE HYDRANT
  - EXISTING WATER MAIN VALVE
  - EXISTING TRANSFORMER
  - EXISTING LIGHT POLE
  - EXISTING UTILITY POLE
  - EXISTING TELEPHONE PEDESTAL
  - TP-X TEST PIT LOCATION - 14 LOCATIONS
  - SB-X SOIL BORING LOCATION - 9 LOCATIONS

- TOPOGRAPHIC LINWORK LEGEND**
- EXISTING CHAIN LINK FENCE
  - EXISTING WIRE FENCE
  - EXISTING OVERHEAD GENERAL UTILITIES
  - EXISTING UNDERGROUND ELECTRIC LINE
  - EXISTING UNDERGROUND TELEPHONE
  - EXISTING GAS LINE
  - EXISTING SANITARY SEWER LINE
  - EXISTING STORM SEWER LINE
  - EXISTING WATER MAIN
  - EXISTING MAJOR CONTOUR
  - EXISTING MINOR CONTOUR
  - EXISTING EDGE OF TREES
  - EXISTING MADISON METROPOLITAN SANITARY SEWER EASEMENT DOC. No. 1089289 & DOC. No. 1093722

- ABBREVIATIONS**
- STMH - STORM MANHOLE
  - FI - FIELD INLET
  - CI - CURB INLET
  - CB - CATCH BASIN
  - EW - ENDWALL
  - SMH - SANITARY MANHOLE

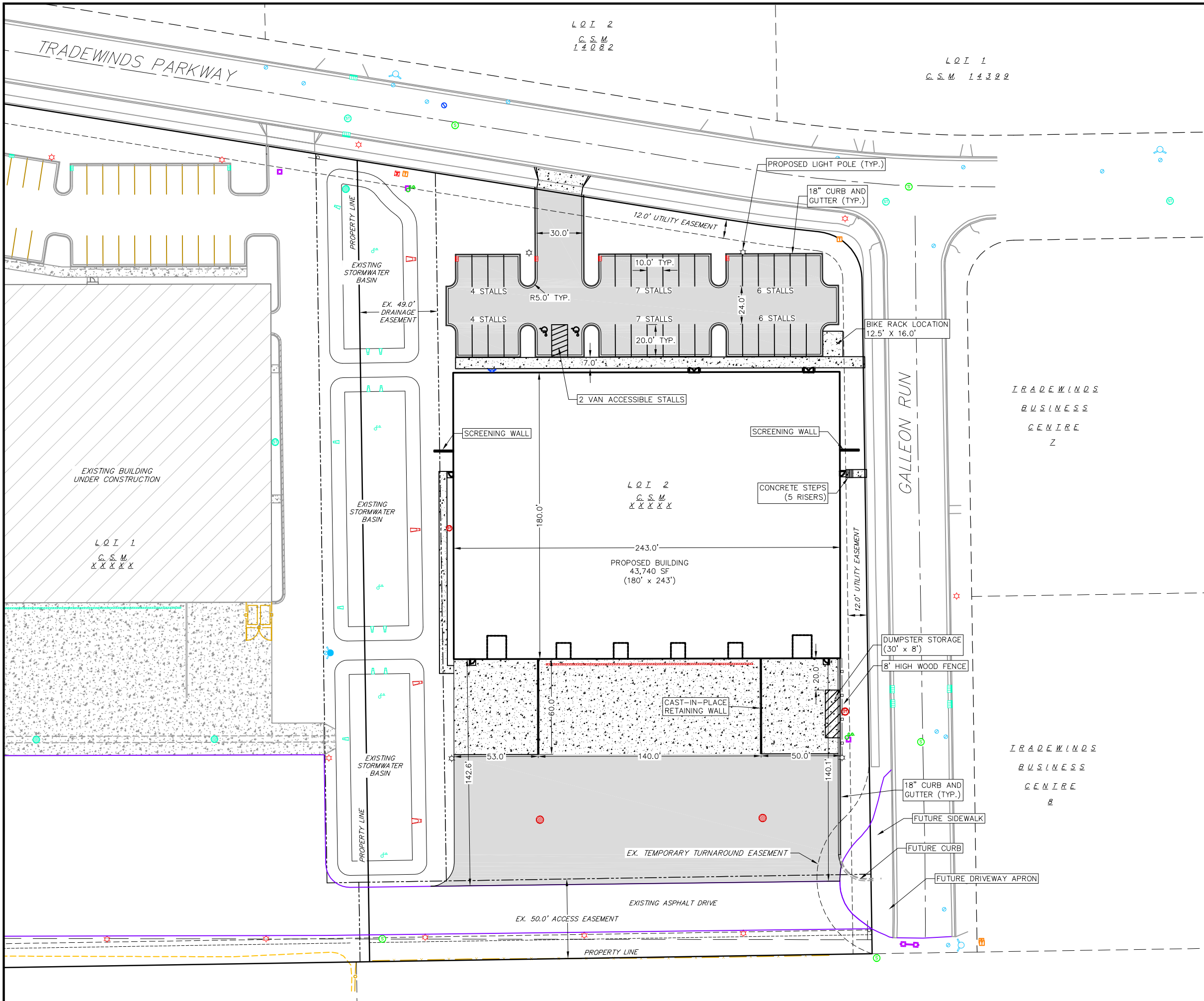
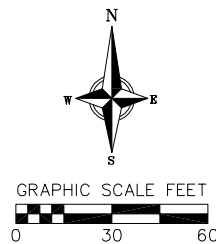
- NOTES:**
- THIS EXISTING CONDITIONS MAP IS NOT INTENDED TO BE A PROPERTY SURVEY AS DEFINED IN CHAPTER A-E 7 OF THE WISCONSIN ADMINISTRATIVE CODE. THE PROPERTY LINES SHOWN ON THIS MAP ARE BASED ON FOUND MONUMENTATION, SURVEYS OF RECORD AND ARE APPROXIMATE.
  - THE LOCATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION. THE OWNER AND ENGINEER DO NOT ASSUME RESPONSIBILITY IN THE EVENT THAT OTHER UTILITIES ARE ENCOUNTERED IN THE FIELD OR THAT THE LOCATION OF THOSE WHICH ARE SHOWN ON THE PLANS ARE IN A DIFFERENT LOCATION IN THE FIELD. EXISTING UTILITIES ARE HAND DRAWN FROM CITY UTILITY MAPS (GTWeb).
  - FIELD WORK FOR THIS MAP WAS COMPLETED ON 2-26-2020. ANY PHYSICAL CHANGES AFTER THIS DATE ON THE SITE WITHIN THE SURVEY LIMITS ARE NOT REFLECTED ON THIS MAP.
  - 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.

REVISIONS	NO.	DATE	REMARKS

DATE: 12/11/2020  
DRAFTER: dper  
CHECKED: ---  
PROJECT NO.: 200338

L O I 2  
C. S. M.  
1 4 0 8 2

L O I 1  
C. S. M. 1 4 3 9 9



**SITE PLAN LEGEND**

	PROPERTY BOUNDARY
	CURB AND GUTTER (REVERSE CURB HATCHED)
	PROPOSED CONCRETE
	PROPOSED ASPHALT
	PROPOSED ADA DETECTABLE WARNING FIELD
	PROPOSED HANDICAP PARKING

**NOTES:**

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

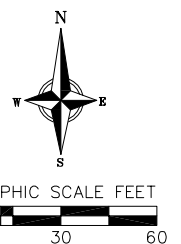
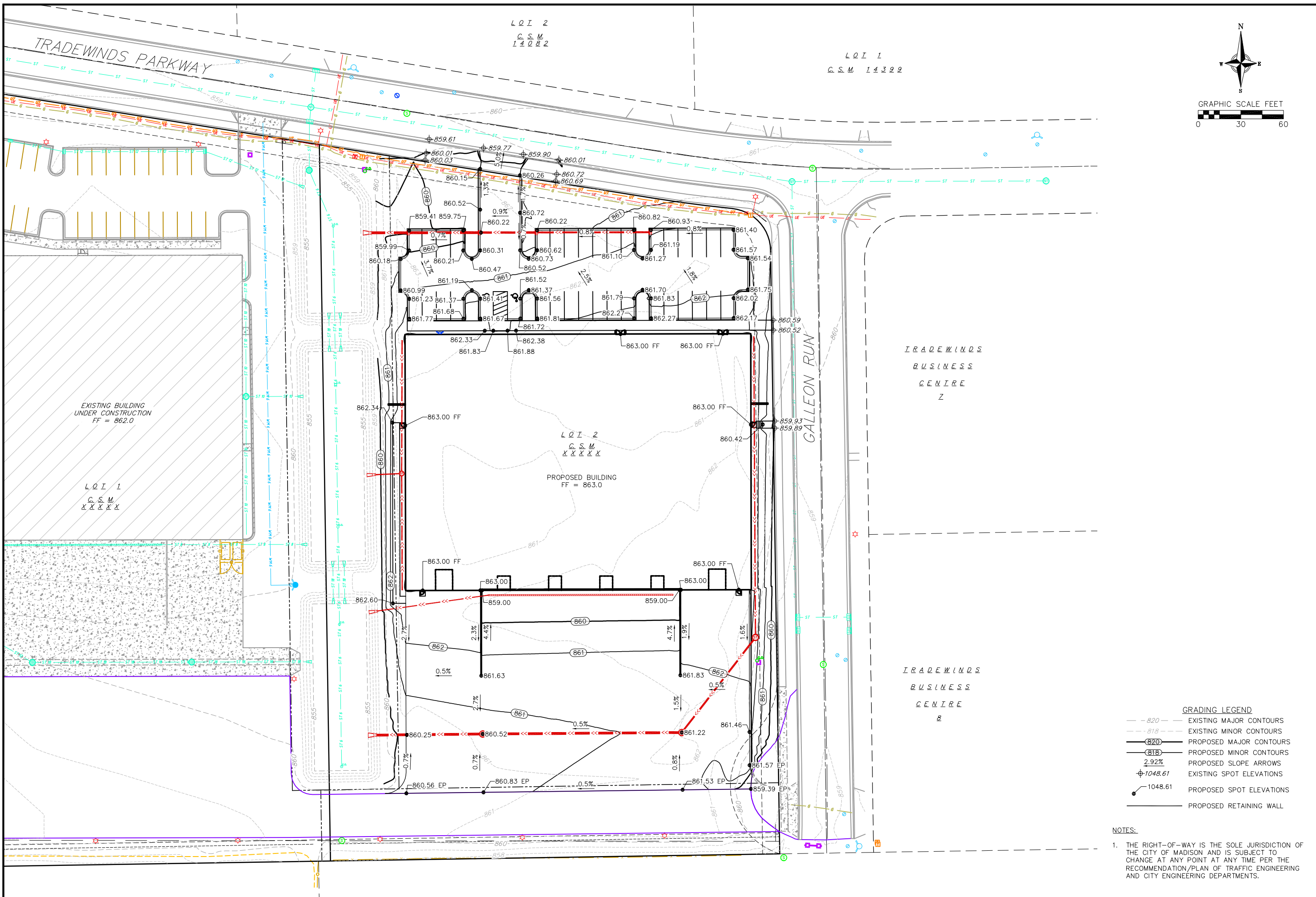
TOTAL SITE AREA	=	150,282 SF (3.45± ACRES)
BUILDING AREA	=	43,740 SF (1.00± ACRES)
TOTAL IMPERVIOUS AREA	=	106,046 SF (2.43± ACRES)
IMPERVIOUS PERCENT	=	70%

**Site Plan**

Tradewinds II  
City of Madison  
Dane County, Wisconsin

REVISIONS	NO.	DATE	REMARKS

DATE	12/11/2020
DRAFTER	DPER
CHECKED	
PROJECT NO.	200338



**Grading Plan**  
Tradewinds II  
City of Madison  
Dane County, Wisconsin

NO.	DATE	REVISIONS	REMARKS

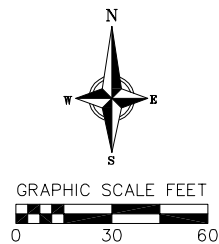
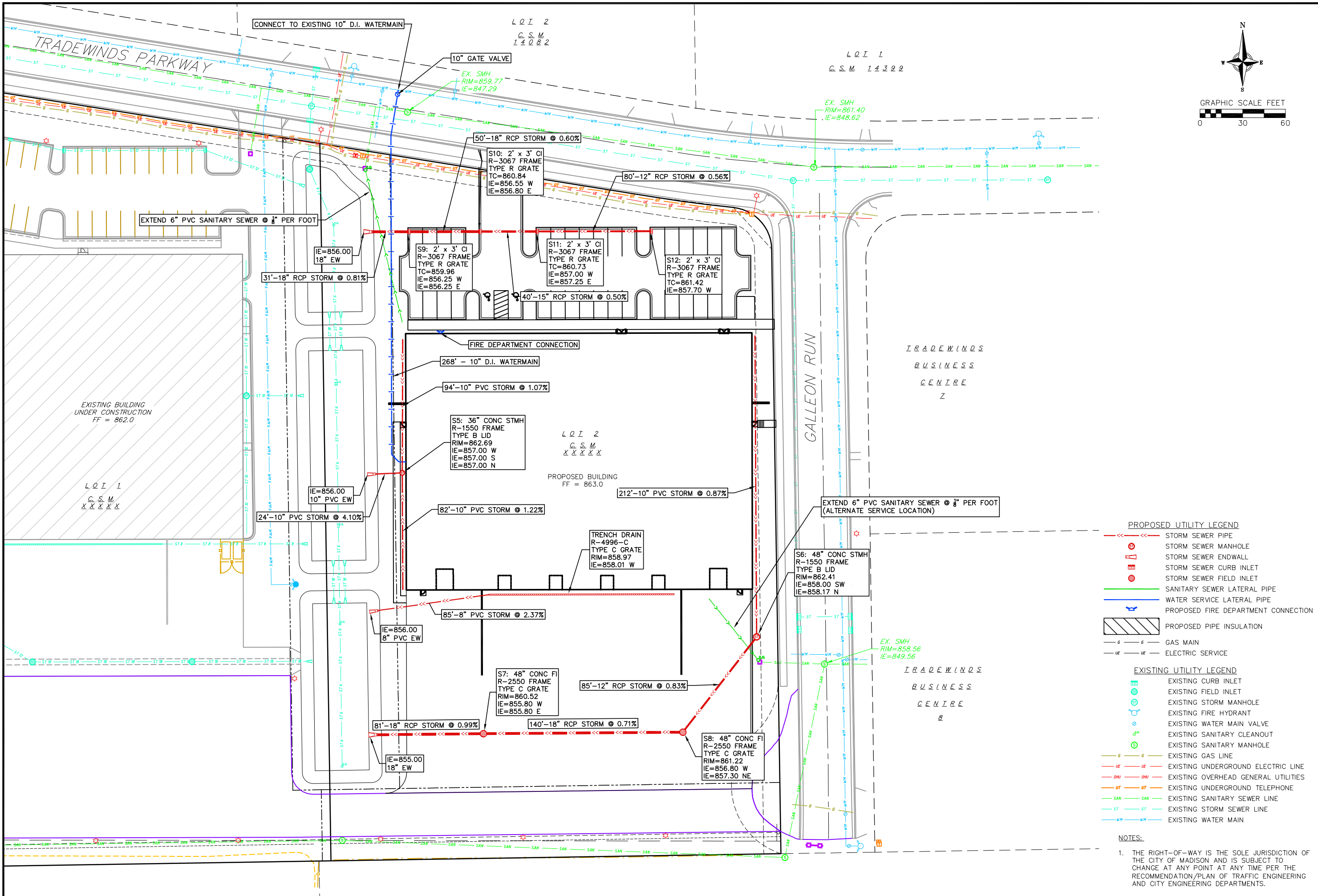
  

DATE	12/11/2020
DRAFTER	DPER
CHECKED	
PROJECT NO.	200338

- GRADING LEGEND**
- 820 --- EXISTING MAJOR CONTOURS
  - 818 --- EXISTING MINOR CONTOURS
  - (820) PROPOSED MAJOR CONTOURS
  - (818) PROPOSED MINOR CONTOURS
  - 2.92% PROPOSED Slope Arrows
  - 1048.61 EXISTING SPOT ELEVATIONS
  - 1048.61 PROPOSED SPOT ELEVATIONS
  - PROPOSED RETAINING WALL

**NOTES:**

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



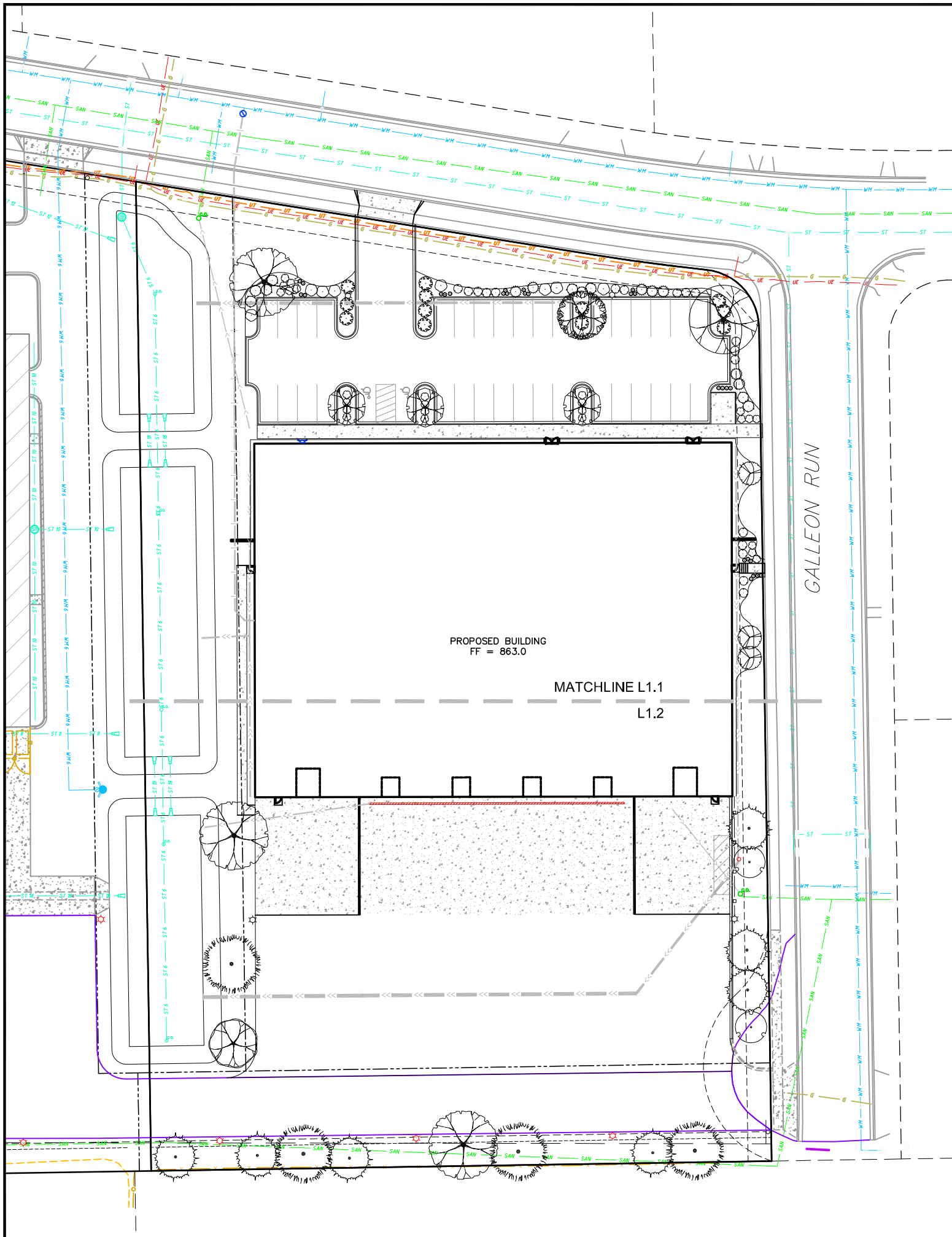
PROPOSED UTILITY LEGEND	
	STORM SEWER PIPE
	STORM SEWER MANHOLE
	STORM SEWER ENDWALL
	STORM SEWER CURB INLET
	STORM SEWER FIELD INLET
	SANITARY SEWER LATERAL PIPE
	WATER SERVICE LATERAL PIPE
	PROPOSED FIRE DEPARTMENT CONNECTION
	PROPOSED PIPE INSULATION
	GAS MAIN
	ELECTRIC SERVICE
EXISTING UTILITY LEGEND	
	EXISTING CURB INLET
	EXISTING FIELD INLET
	EXISTING STORM MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING WATER MAIN VALVE
	EXISTING SANITARY CLEANOUT
	EXISTING SANITARY MANHOLE
	EXISTING GAS LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING OVERHEAD GENERAL UTILITIES
	EXISTING UNDERGROUND TELEPHONE
	EXISTING SANITARY SEWER LINE
	EXISTING STORM SEWER LINE
	EXISTING WATER MAIN

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

REVISIONS		NO.	DATE	REMARKS

DATE	12/11/2020
DRAFTER	DPER
CHECKED	
PROJECT NO.	200338



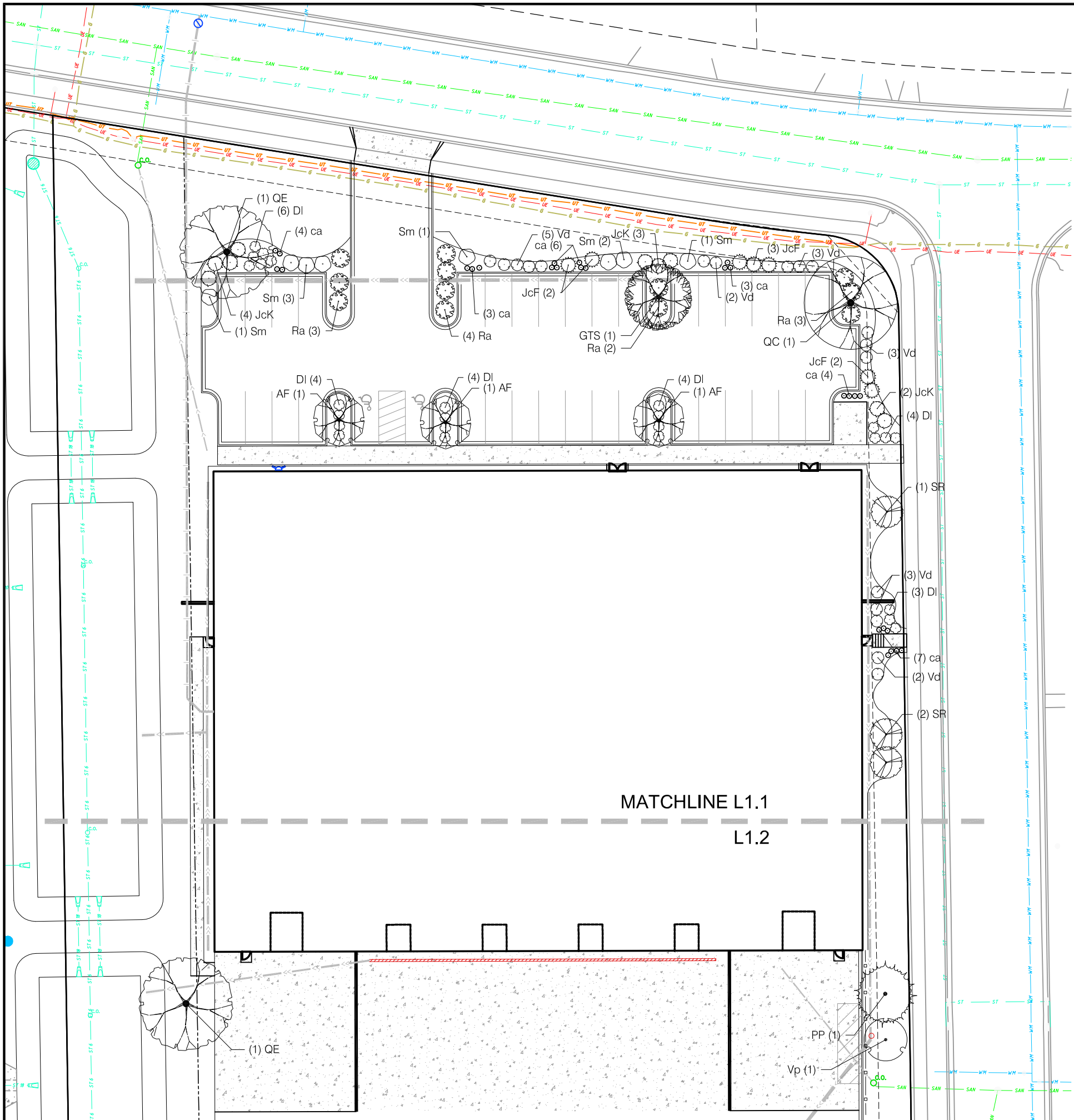
**PLANT SCHEDULE**

DECIDUOUS TREES	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
AF	Acer x freemanii 'Ed Gartner' / Ed Gartner Freeman Maple	B & B	2.5" Cal	3
GTS	Gleditsia triacanthos Inermis 'Shademaster' TM / Shademaster Locust	B & B	2.5" Cal	1
GD	Gymnocladus dioica 'Espresso' / Kentucky Coffeetree	B & B	2.5" Cal	1
QC	Quercus ellipsoidalis / Hills Oak	B & B	2.5" Cal	3
	Quercus robur x macrocarpa 'Clemons' TM / Heritage Oak	B & B	2.5" Cal	1
EVERGREEN TREES	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
PP	Picea pungens / Colorado Spruce	B & B	6' ht.	7
PS	Pinus strobus / White Pine	B & B	6' ht.	4
UNDERSTORY TREES	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
SR	Syringa reticulata 'Ivory Silk' / Ivory Silk Japanese Tree Lilac	B & B	2" Cal	3
DECIDUOUS SHRUBS	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
DI	Diervilla lonicera / Dwarf Bush Honeysuckle	Cont.	3 Gal.	25
Ra	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	Cont.	3 Gal.	12
Sm	Syringa meyeri 'Pallidin' / Dwarf Korean Lilac	Cont.	7 Gal.	8
Vd	Viburnum dentatum 'Little Joe' / Little Joe Viburnum	Cont.	5 Gal.	18
Vp	Viburnum prunifolium / Blackhaw Viburnum	Cont.	10 Gal.	2
EVERGREEN SHRUBS	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
JcF	Juniperus chinensis 'Fairview' / Fairview Juniper	B & B	5' ht.	7
JcK	Juniperus chinensis 'Kallays Compact' / Kallay Compact Pfitzer Juniper	Cont.	5 Gal.	9
PERENNIALS	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
ca	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass	Cont.	1 Gal.	27

**GENERAL NOTES:**

- All plantings shall conform to quality requirements as per ANSI Z60.1.
- All plant material shall be true to the species, variety and size specified, nursery grown in accordance with good horticultural practices, and under climatic conditions similar to those of the project site.
- Contact Landscape Architect, in writing, to request and plant material substitutions due to availability issues.
- All disturbed areas, unless otherwise noted, to be seeded with WI DOT Seed Mix #40 or equivalent, per manufacturer's specified application rates. All seeded areas are to be watered daily to maintain adequate soil moisture for proper germination. After vigorous growth is established, apply 1/2" water twice weekly until final acceptance.
- All plants shall be guaranteed to be in healthy and flourishing condition during the growing season following installation. All plant material shall be guaranteed for one year from the time of installation.
- Contractor shall provide a suitable amended topsoil blend for all planting areas where soil conditions are unsuitable for plant growth. Topsoil shall conform to quality requirements as per Section 625.2(1) of the Standard Specifications for Highway Construction. Provide a minimum of 12" of topsoil in all planting areas and 6" of topsoil in areas to be seeded/sodded.
- Landscape beds to be mulched with undyed shredded hardwood bark mulch to 3" depth min. and edged with commercial grade aluminum landscape edging, Permaloc CleanLine 3/8" x 4" or equal, color black anodized.

City of Madison Landscape Worksheet						
Address:		4725 Tradewinds Pkwy		Date:	12/16/2020	
Total Square Footage of Developed Area:		(Site Area)	150282	-	(Building Footprint at Grade)	43,740 = 106542 sf
Total Landscape Points Required (<5 ac):		106,542 / 100 =	1,065	x 1 =	1,065	
Landscape Points Required >5 ac:		0 / 100 =	0	x 1 =	-	1,065
Plant Type/ Element	Min. Size at Installation	Points	Credits/ Existing Landscaping		New/ Proposed Landscaping	
			Quantity	Points Achieved	Quantity	Points Achieved
Overstory deciduous tree	2.5" cal	35		0	9	315
Tall Evergreen Tree	5-6 feet tall	35		0	11	385
Ornamental tree	1.5" cal	15		0	3	45
Upright evergreen shrub	3-4 feet tall	10		0	7	70
Shrub, deciduous	#3 gallon container size, Min. 12-24"	3		0	65	195
Shrub, evergreen	#3 gallon container size, Min. 12-24"	4		0	9	36
Ornamental grasses/perennials	#1 gallon container size, Min. 8-18"	2		0	27	54
Ornamental/decorative fencing or wall	n/a	4 per 10 LF		0		0
Existing significant specimen tree	Min. Size 2.5" cal. Trees must be within developed area and cannot comprise more than 30% of total required points.	14 per caliper inch. Max. points per tree: 200		0		0
Landscape Furniture for public seating and/or transit connections	Furniture must be within developed area, publicly accessible, and cannot comprise more than 5% of total required points	5 points per "seat"		0		0
<b>Sub Totals</b>				0		1100
				<b>Total Points Provided:</b>	<b>1100</b>	



**PLANT SCHEDULE**

DECIDUOUS TREES	BOTANICAL / COMMON NAME
AF	Acer x freemanii 'Ed Gartner' / Ed Gartner Freeman Maple
GTS	Gleditsia triacanthos Inermis 'Shademaster' TM / Shademaster Locust
GD	Gymnocladus dioica 'Espresso' / Kentucky Coffeetree
QE	Quercus ellipsoidalis / Hills Oak
QC	Quercus robur x macrocarpa 'Clemons' TM / Heritage Oak

EVERGREEN TREES	BOTANICAL / COMMON NAME
PP	Picea pungens / Colorado Spruce
PS	Pinus strobus / White Pine

UNDERSTORY TREES	BOTANICAL / COMMON NAME
SR	Syringa reticulata 'Ivory Silk' / Ivory Silk Japanese Tree Lilac

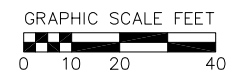
DECIDUOUS SHRUBS	BOTANICAL / COMMON NAME
DI	Dierilla lonicera / Dwarf Bush Honeysuckle
Ra	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac
Sm	Syringa meyeri 'Palibin' / Dwarf Korean Lilac
Vd	Viburnum dentatum 'Little Joe' / Little Joe Viburnum
Vp	Viburnum prunifolium / Blackhaw Viburnum

EVERGREEN SHRUBS	BOTANICAL / COMMON NAME
JcF	Juniperus chinensis 'Fairview' / Fairview Juniper
JcK	Juniperus chinensis 'Kallays Compact' / Kallay Compact Pfitzer Juniper

PERENNIALS	BOTANICAL / COMMON NAME
ca	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass



NO.	DATE	REVISIONS	
		NO.	DATE

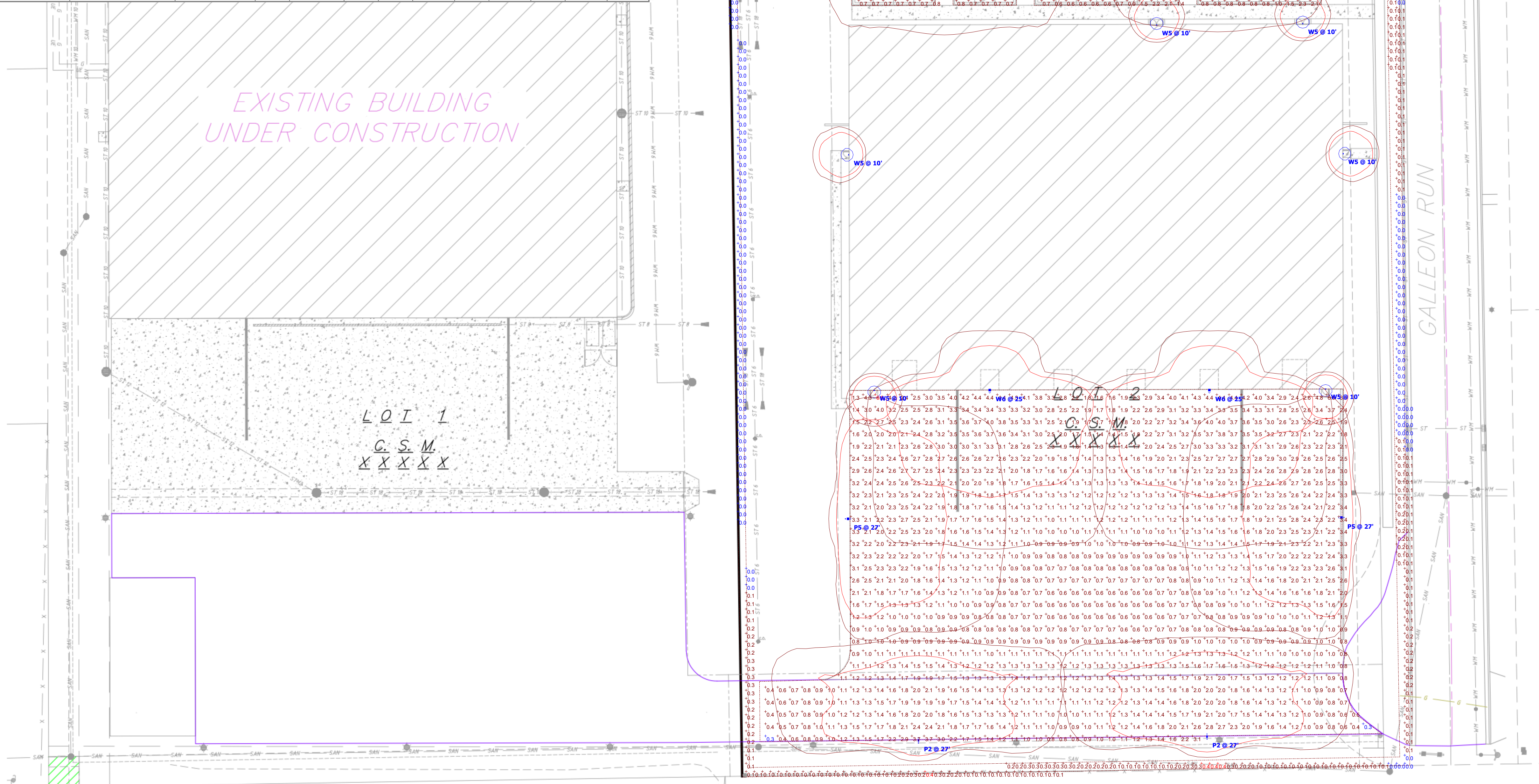
  

DATE	12/16/2020
DRAFTER	SVIN
CHECKED	---
PROJECT NO.	200338



Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Lumen Multiplier	LLF	Wattage	Efficiency	Distribution	Polar Plot	Notes
	W5		6	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	XTOR1B-W	CROSTOUR 12W WALL MOUNT LED	EATON LED 4000K	1	XTOR1B-W.ies	1396	1	0.9	12.2	100%			
	W6		2	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	GLEON-SA3C-740-U-T4FT	GALEON AREA AND ROADWAY LUMINAIRE (3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS		48	GLEON-SA3C-740-U-T4FT.ies	453	1	0.9	166	100%			
	P2		2	COOPER LIGHTING SOLUTIONS - MCGRAW-EDISON (FORMERLY EATON)	GLEON-AF-02-LED-E1-SL3	GALEON AREA AND ROADWAY LUMINAIRE (2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS Retail, Roadway, Sidewalk, Site, Street, Substation, Security, Corrosion Resistant, Vandal Resistant, Wet Location ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING LAB LUMEN STANDARDS IN GONIOPHOTOMETER WITH TEST DISTANCE OF 28.25 FEET		32	GLEON-AF-02-LED-E1-SL3.ies	389	1	0.9	113	100%			
	P4		1	COOPER LIGHTING SOLUTIONS - MCGRAW-EDISON (FORMERLY EATON)	GLEON-SA3C-740-U-T4FT	GALEON AREA AND ROADWAY LUMINAIRE (3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS		48	GLEON-SA3C-740-U-T4FT.ies	453	1	0.9	166	100%			
	P5		3	COOPER LIGHTING SOLUTIONS - MCGRAW-EDISON (FORMERLY EATON)	GLEON-SA3C-740-U-T4FT-HSS	GALEON AREA AND ROADWAY LUMINAIRE (3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD		48	GLEON-SA3C-740-U-T4FT-HSS.ies	319	1	0.9	166	100%			

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Front Parking	+	1.3 fc	3.8 fc	0.4 fc	9.5:1	3.3:1
Property Line	+	0.1 fc	0.4 fc	0.0 fc	N/A	N/A
Rear Lot	+	1.7 fc	6.9 fc	0.3 fc	23.0:1	5.7:1



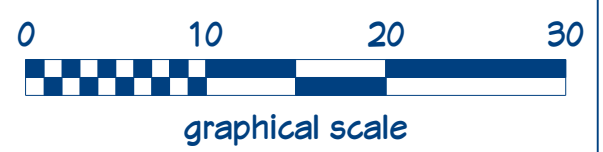
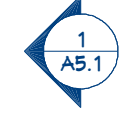
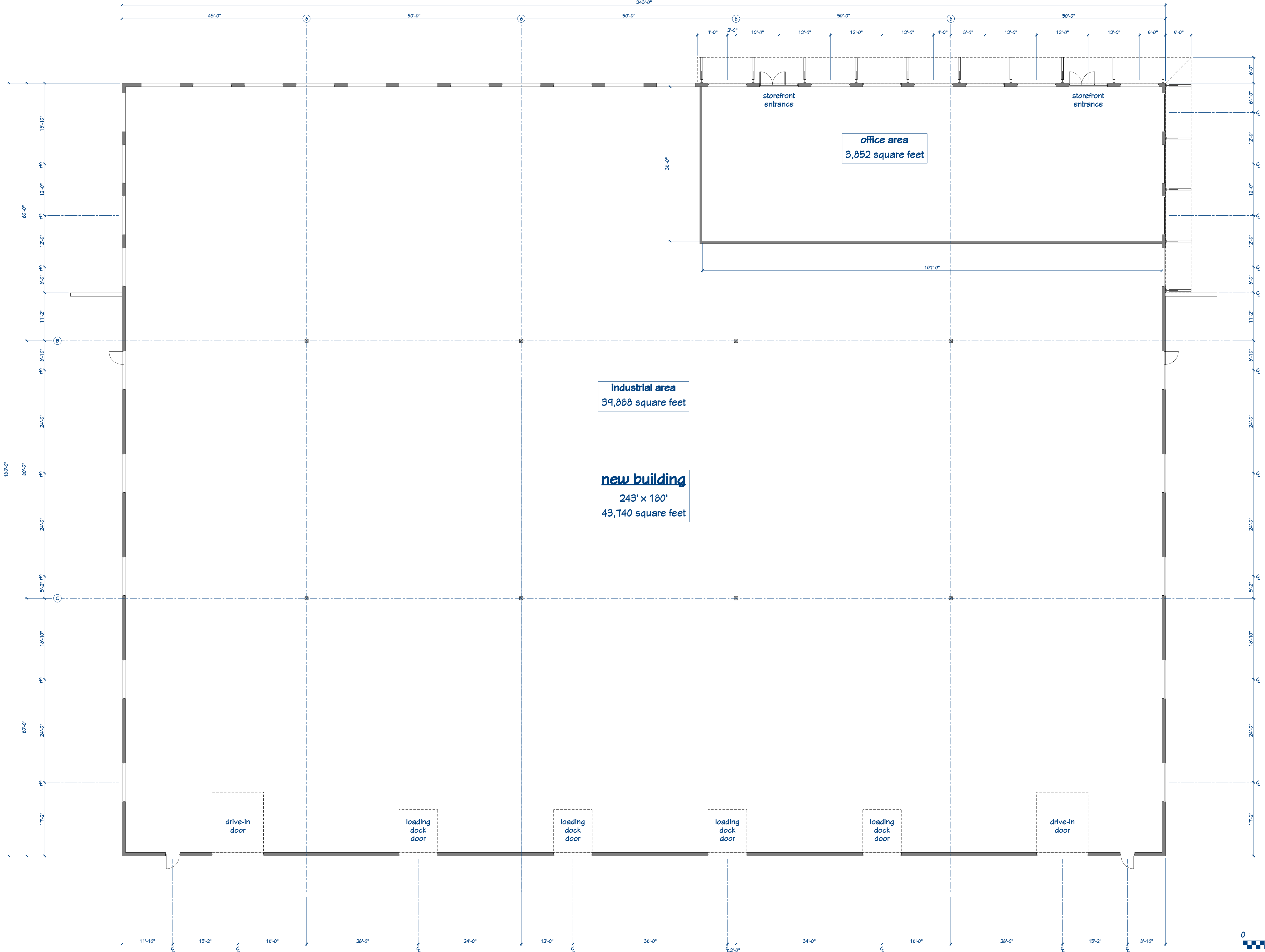
1 OVERALL SITE LIGHTING PLAN  
Scale: 1" = 30'-0"



TRADEWINDS LOT 9 & 10  
SITE LIGHTING PHOTOMETRICS

Designer  
KYLE MCGRAW  
Date  
12/15/2020  
Scale  
1" = 30'  
Drawing No.  
E - 100  
Summary





north

floor plan

3/32" = 1'-0"

The design represented by these drawings is the sole property of Bouril Design Studio, LLC. These drawings, regardless of media or format, may not be copied or reproduced without the written consent of Bouril Design Studio, LLC, of Madison, Wisconsin.

UDC  
Submittal

**Bouril Design Studio, LLC**  
 652E Oshesha Rd. Box 3, Mukwonago, WI 53179  
 800-333-3400 www.bourilstudio.com



**New Industrial Building with Office Space for  
Marshall Park Investments**  
4725 Tradewinds Parkway, Madison, WI, 53718

revision Index	
date	reason

project #: 20056  
contact: Robert Lackore  
rob@bourilstudio.com  
800-333-3400

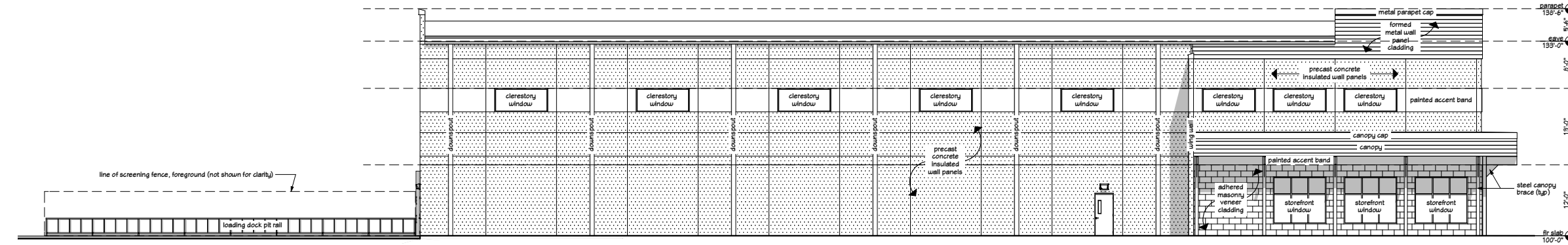
**A4.0**  
print on paper size:  
ARCH D 24x36



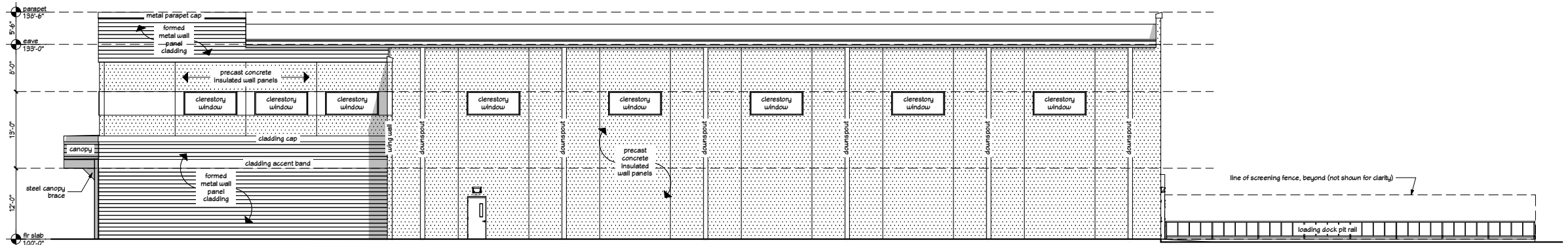
exterior wall material key

- adhered masonry veneer
- formed metal wall panel
- precast concrete panel field color #1 (light grey)
- precast concrete panel accent color #2 (dark grey)
- precast concrete panel accent color #3 (black)
- precast concrete panel accent color #4 (buff)
- precast concrete panel accent color #5 (blue)
- precast concrete panel accent color #6 (bronze)

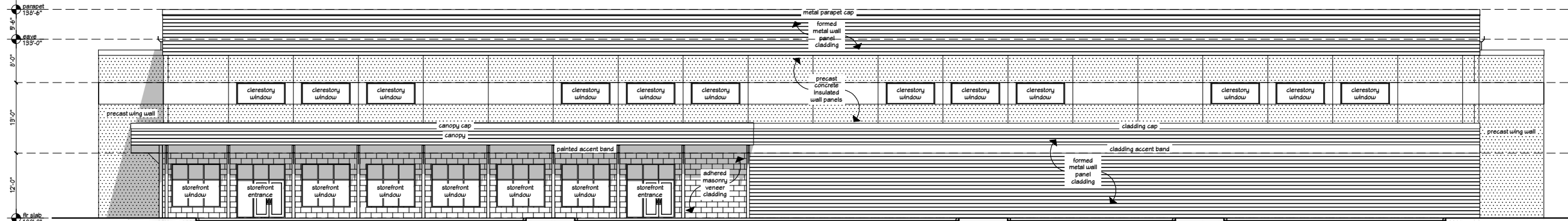
1 east exterior elevation



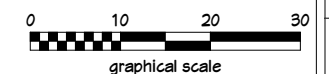
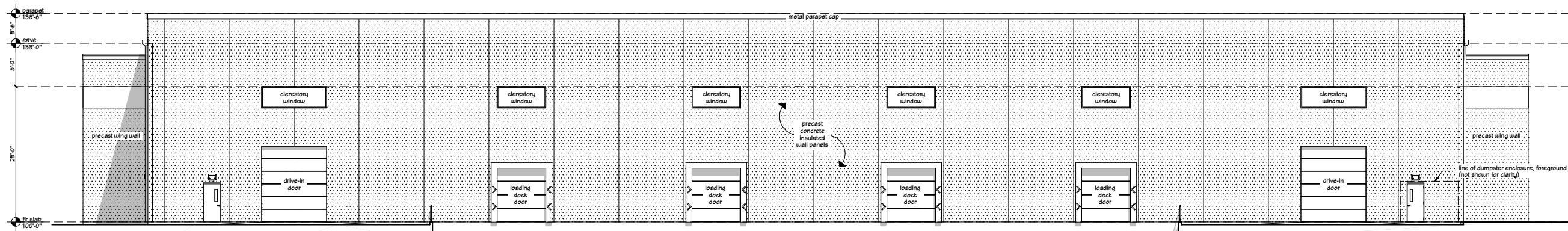
2 west exterior elevation



3 north exterior elevation



4 south exterior elevation



exterior elevations - line drawings

The design represented by these drawings is the sole property of Bouril Design Studio, LLC. These drawings are not to be copied or reproduced without the written consent of Bouril Design Studio, LLC.

UDC  
Submission

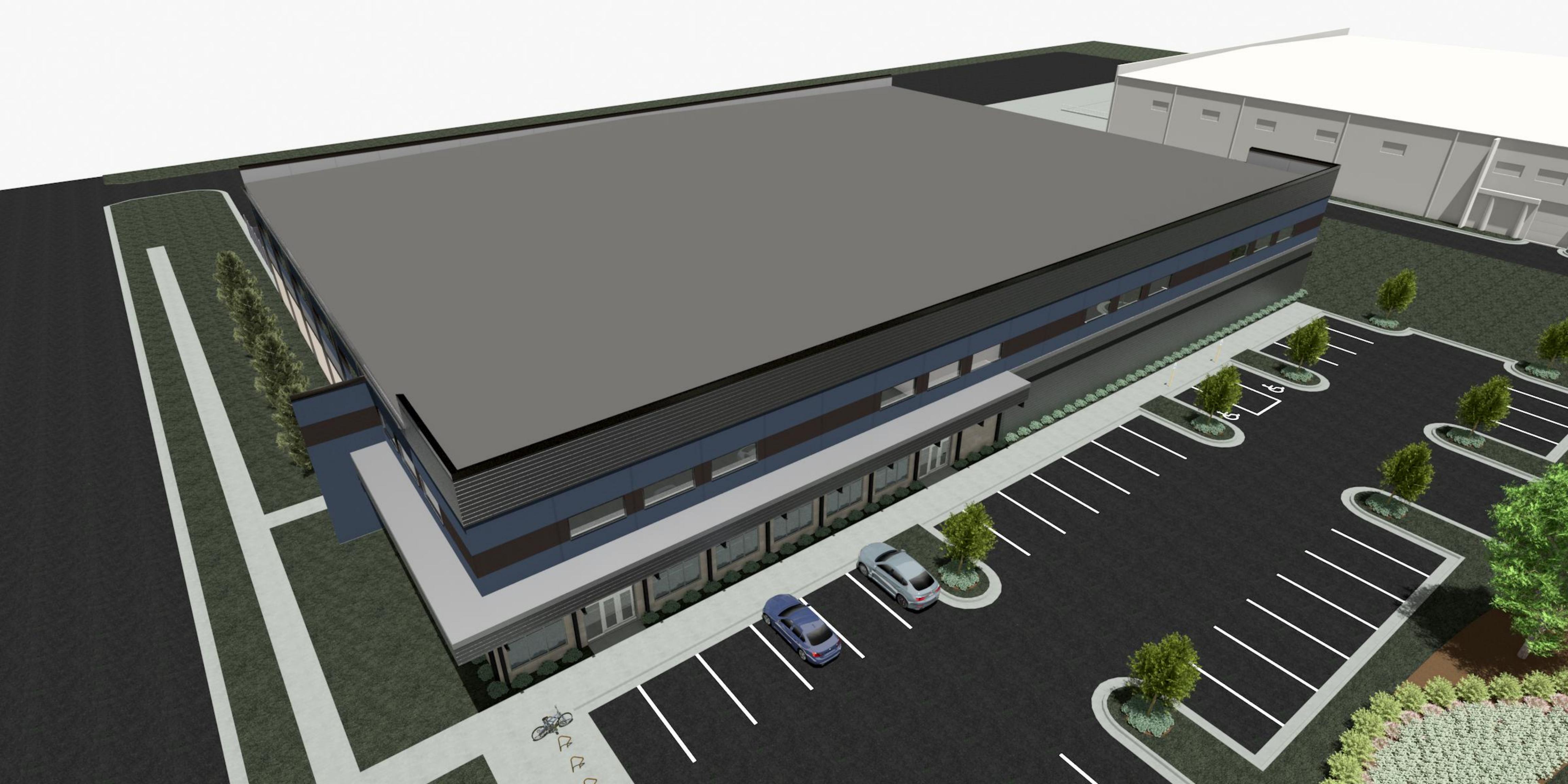
Bouril Design Studio, LLC  
6525 Odessa Rd. Ste. 3, Madison, WI 53719  
608.333.3400 www.bourilstudio.com

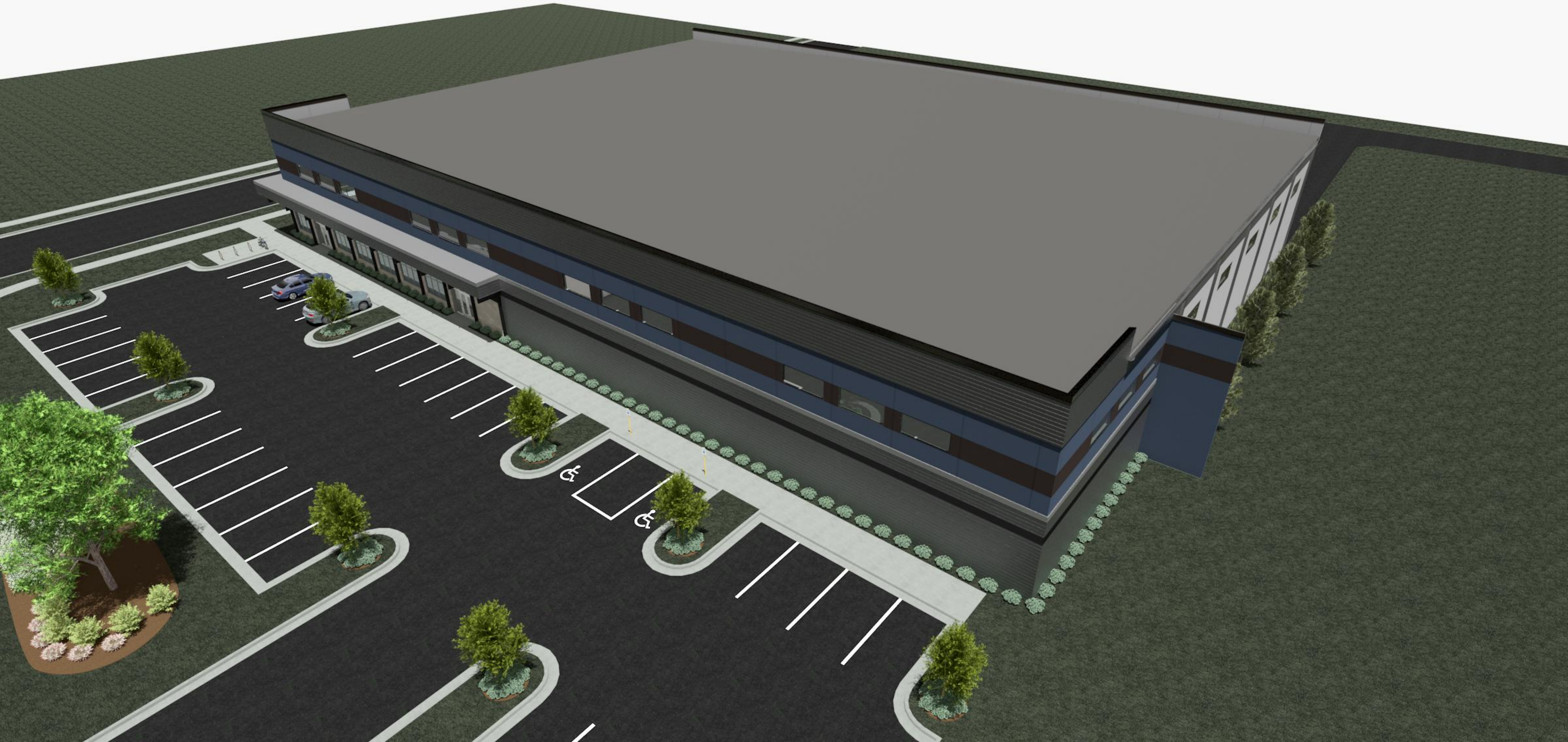
New Industrial Building with Office Space for  
Marshall Park Investments

revision index	
date	reason

project #: 20056  
contact: Robert Lackor  
rob@bourilstudio.com  
608-833-3400

A5.





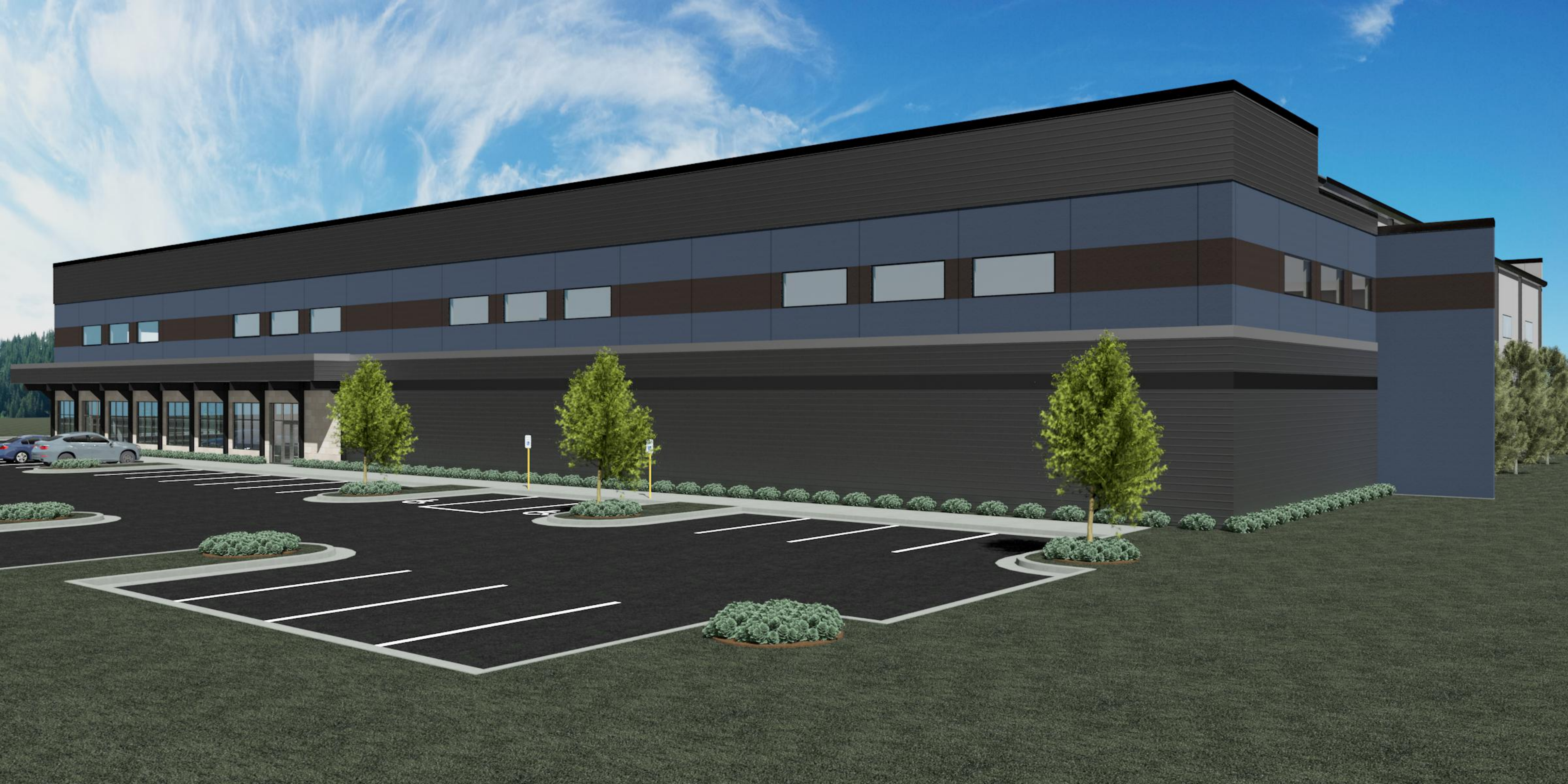












## DESCRIPTION

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

<b>Catalog #</b>		<b>Type</b>
<b>Project</b>		
<b>Comments</b>		<b>Date</b>
<b>Prepared by</b>		

electrical wiring compartment.

Integral LED electronic driver incorporates surge protection. 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.

### Warranty

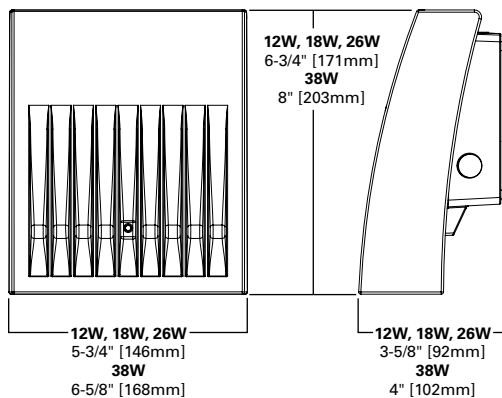
Five-year warranty.



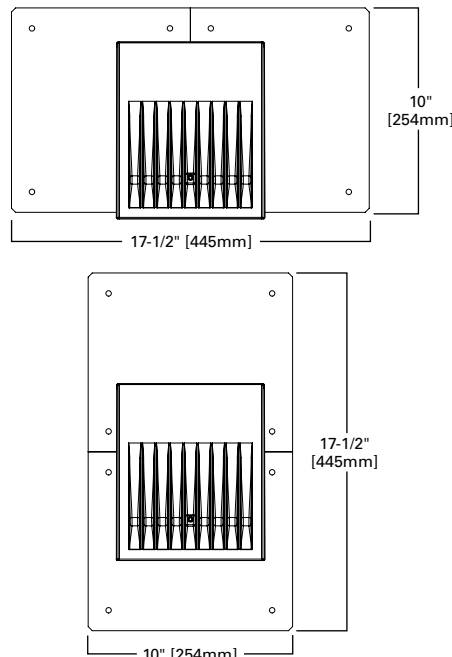
## XTOR CROSSTOUR LED

**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.]

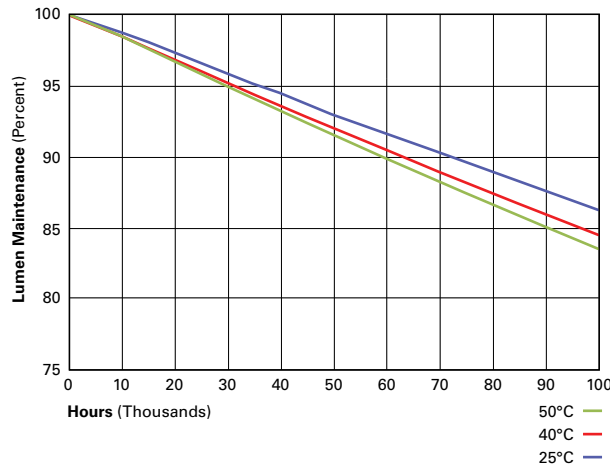
**POWER AND LUMENS BY FIXTURE MODEL**

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) <sup>1</sup>	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 <sup>2</sup>	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)
<b>XTOR1B Model</b>		
25°C	> 90%	255,000
40°C	> 89%	234,000
50°C	> 88%	215,000
<b>XTOR2B Model</b>		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
<b>XTOR3B Model</b>		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
<b>XTOR4B Model</b>		
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 <sup>1</sup>	LED Kelvin Color	Housing Color	Options (Add as Suffix)	Accessories (Order Separately)
<b>XTOR1B</b> =Small Door, 12W <b>XTOR2B</b> =Small Door, 18W <b>XTOR3B</b> =Small Door, 26W <b>XTOR4B</b> =Medium Door, 38W	<b>[Blank]</b> =Bright White (Standard), 5000K <b>W</b> =Neutral White, 4000K <b>Y</b> =Warm White, 3000K	<b>[Blank]</b> =Carbon Bronze (Standard) <b>WT</b> =Summit White <b>BK</b> =Black <b>BZ</b> =Bronze <b>AP</b> =Grey <b>GM</b> =Graphite Metallic <b>DP</b> =Dark Platinum	<b>PC1</b> =Photocontrol 120V <sup>2</sup> <b>PC2</b> =Photocontrol 208-277V <sup>2,3</sup> <b>347V</b> =347V <sup>4</sup> <b>HA</b> =50°C High Ambient <sup>4</sup>	<b>WG/XTOR</b> =Wire Guard <sup>5</sup> <b>XTORFLD-KNC</b> =Knuckle Floodlight Kit <sup>6</sup> <b>XTORFLD-TRN</b> =Trunnion Floodlight Kit <sup>6</sup> <b>XTORFLD-KNC-WT</b> =Knuckle Floodlight Kit, Summit White <sup>6</sup> <b>XTORFLD-TRN-WT</b> =Trunnion Floodlight Kit, Summit White <sup>6</sup> <b>EWP/XTOR</b> =Escutcheon Wall Plate, Carbon Bronze <b>EWP/XTOR-WT</b> =Escutcheon Wall Plate, Summit White

**NOTES:**

1. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
2. Photocontrols are factory installed.
3. Order PC2 for 347V models.
4. Thru-branch wiring not available with HA option or with 347V. XTOR3B not available with HA and 347V or 120V combination.
5. Wire guard for wall/surface mount. Not for use with floodlight kit accessory.
6. Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.

**STOCK ORDERING INFORMATION**

12W Series	18W Series	26W Series	38W Series
<b>XTOR1B</b> =12W, 5000K, Carbon Bronze	<b>XTOR2B</b> =18W, 5000K, Carbon Bronze	<b>XTOR3B</b> =26W, 5000K, Carbon Bronze	<b>XTOR4B</b> =38W, 5000K, Carbon Bronze
<b>XTOR1B-WT</b> =12W, 5000K, Summit White	<b>XTOR2B-W</b> =18W, 4000K, Carbon Bronze	<b>XTOR3B-W</b> =26W, 4000K, Carbon Bronze	<b>XTOR4B-W</b> =38W, 4000K, Carbon Bronze
<b>XTOR1B-PC1</b> =12W, 5000K, 120V PC, Carbon Bronze	<b>XTOR2B-WT</b> =18W, 5000K, Summit White	<b>XTOR3B-WT</b> =26W, 5000K, Summit White	<b>XTOR4B-WT</b> =38W, 5000K, Summit White
<b>XTOR1B-W</b> =12W, 4000K, Carbon Bronze	<b>XTOR2B-PC1</b> =18W, 5000K, 120V PC, Carbon Bronze	<b>XTOR3B-PC1</b> =26W, 5000K, 120V PC, Carbon Bronze	<b>XTOR4B-PC1</b> =38W, 5000K, 120V PC, Carbon Bronze
	<b>XTOR2B-W-PC1</b> =18W, 4000K, 120V PC, Carbon Bronze	<b>XTOR3B-W-PC1</b> =26W, 4000K, 120V PC, Carbon Bronze	<b>XTOR4B-W-PC1</b> =38W, 4000K, 120V PC, Carbon Bronze
	<b>XTOR2B-347V</b> =18W, 5000K, Carbon Bronze, 347V	<b>XTOR3B-347V</b> =26W, 5000K, Carbon Bronze, 347V	<b>XTOR4B-347V</b> =38W, 5000K, Carbon Bronze, 347V
	<b>XTOR2B-WT-PC1</b> =18W, 5000K, 120V PC, Summit White	<b>XTOR3B-PC2</b> =26W, 5000K, 208-277V PC, Carbon Bronze	

Project		Catalog #		Type	
Prepared by		Notes		Date	



# McGraw-Edison

## GLEON Galleon

Area / Site Luminaire

### Typical Applications

Outdoor • Parking Lots • Walkways • Roadways • Building Areas

### Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Distributions [page 4](#)
- Product Specifications [page 4](#)
- Energy and Performance Data [page 4](#)
- Control Options [page 9](#)

### Product Certifications



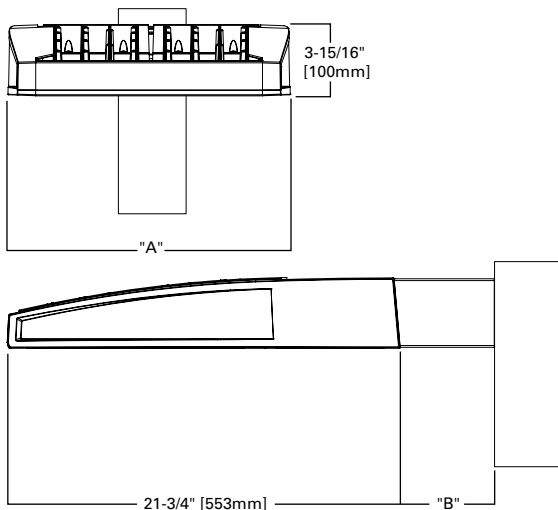
### Product Features



### Quick Facts

- Lumen packages range from 4,200 - 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt

### Dimensional Details



Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Extended Arm Length <sup>1</sup>	"B" Quick Mount Arm Length	"B" Quick Mount Extended Arm Length
1-4	15-1/2"	7"	10"	10-5/8"	16-9/16"
5-6	21-5/8"	7"	10"	10-5/8"	16-9/16"
7-8	27-5/8"	7"	13"	10-5/8"	--
9-10	33-3/4"	7"	16"	--	--


**NOTES:**  
For arm selection requirements and additional line art, see Mounting Details section.

Ordering Information

SAMPLE NUMBER: GLEON-SA4C-740-U-T4FT-GM

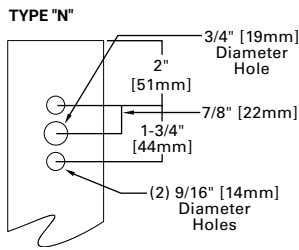
Product Family <sup>1,2</sup>	Light Engine		Color Temperature	Voltage	Distribution	Mounting	Finish
	Configuration	Drive Current					
GLEON=Galleon	SA1=1 Square SA2=2 Squares SA3=3 Squares SA4=4 Squares SA5=5 Squares <sup>4</sup> SA6=6 Squares SA7=7 Squares <sup>3</sup> SA8=8 Squares <sup>3</sup> SA9=9 Squares <sup>6</sup> SA0=10 Squares <sup>6</sup>	A=600mA B=800mA C=1000mA D=1200mA <sup>16</sup>	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K AMB=Amber, 590nm <sup>14,16</sup>	U=120-277V 1=120V 2=208V 3=240V 4=277V 8=480V <sup>7,8</sup> 9=347V <sup>7</sup>	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	[Blank]=Arm for Round or Square Pole EA=Extended Arm <sup>9</sup> MA=Mast Arm Adapter <sup>10</sup> WM=Wall Mount QM=Quick Mount Arm (Standard Length) <sup>11</sup> QMEA=Quick Mount Arm (Extended Length) <sup>12</sup>	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)			Controls and Systems Options (Add as Suffix)		Accessories (Order Separately)		
<p><b>DIM</b>=External 0-10V Dimming Leads<sup>19,20</sup>  <b>F</b>=Single Fuse (120, 277 or 347V Specify Voltage)  <b>FF</b>=Double Fuse (208, 240 or 480V Specify Voltage)  <b>20K</b>=20kV UL 1449 fused surge protective device  <b>2L</b>=Two Circuits<sup>17,18</sup>  <b>HA</b>=50°C High Ambient  <b>HSS</b>=Installed House Side Shield<sup>28</sup>  <b>GRSBK</b>=Glare Reducing Shield, Black<sup>23</sup>  <b>GRSWH</b>=Glare Reducing Shield, White<sup>23</sup>  <b>LCP</b>=Light Square Trim Painted to Match Housing<sup>27</sup>  <b>MT</b>=Installed Mesh Top  <b>TH</b>=Tool-less Door Hardware  <b>CC</b>=Coastal Construction finish<sup>3</sup>  <b>L90</b>=Optics Rotated 90° Left  <b>R90</b>=Optics Rotated 90° Right  <b>CE</b>=CE Marking<sup>29</sup>  <b>AHD145</b>=After Hours Dim, 5 Hours<sup>22</sup>  <b>AHD245</b>=After Hours Dim, 6 Hours<sup>22</sup>  <b>AHD255</b>=After Hours Dim, 7 Hours<sup>22</sup>  <b>AHD355</b>=After Hours Dim, 8 Hours<sup>22</sup>  <b>DALI</b>=DALI Drivers</p>			<p><b>BPC</b>=Button Type Photocontrol  <b>PR</b>=NEMA 3-PIN Photocontrol Receptacle  <b>PR7</b>=NEMA 7-PIN Photocontrol Receptacle<sup>21</sup>  <b>MS-L08</b>=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height<sup>24</sup>  <b>MS-L20</b>=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height<sup>24</sup>  <b>MS-L40W</b>=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height<sup>24</sup>  <b>MS/X-L08</b>=Bi-Level Motion Sensor, Maximum 8' Mounting Height<sup>24,25</sup>  <b>MS/X-L20</b>=Bi-Level Motion Sensor, 9' - 20' Mounting Height<sup>24,25</sup>  <b>MS/X-L40W</b>=Bi-Level Motion Sensor, 21' - 40' Mounting Height<sup>24,25</sup>  <b>MS/DIM-L20</b>=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height<sup>24</sup>  <b>MS/DIM-L40W</b>=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height<sup>24</sup>  <b>ZW</b>=WaveLinX Module and 4-PIN Receptacle  <b>ZD</b>=WaveLinX Module with DALI driver and 4-PIN Receptacle  <b>SWPD4XX</b>=WaveLinX Sensor Only, 7'-15'<sup>13,32,33</sup>  <b>SWPD5XX</b>=WaveLinX Sensor Only, 15'-40'<sup>13,32,33</sup>  <b>WOBXX</b>=WaveLinX Sensor with Bluetooth, 7'-15'<sup>13,32</sup>  <b>WOFXX</b>=WaveLinX Sensor with Bluetooth, 15'-40'<sup>13,32</sup>  <b>LWR-LW</b>=Enlightened Sensor, 8'-16' Mounting Height<sup>26</sup>  <b>LWR-LN</b>=Enlightened Sensor, 16'-40' Mounting Height<sup>26</sup>  <b>DIM10-MS/DIM-L08</b>=Synapse Occupancy Sensor (&lt;8' Mounting)<sup>19</sup>  <b>DIM10-MS/DIM-L20</b>=Synapse Occupancy Sensor (9'-20' Mounting)<sup>19</sup>  <b>DIM10-MS/DIM-L40</b>=Synapse Occupancy Sensor (21'-40' Mounting)<sup>19</sup></p>		<p><b>OA/RA1016</b>=NEMA Photocontrol Multi-Tap - 105-285V  <b>OA/RA1027</b>=NEMA Photocontrol - 480V  <b>OA/RA1201</b>=NEMA Photocontrol - 347V  <b>OA/RA1013</b>=Photocontrol Shorting Cap  <b>OA/RA1014</b>=120V Photocontrol  <b>MA1252</b>=10kV Surge Module Replacement  <b>MA1036-XX</b>=Single Tenon Adapter for 2-3/8" O.D. Tenon  <b>MA1037-XX</b>=2@180° Tenon Adapter for 2-3/8" O.D. Tenon  <b>MA1197-XX</b>=3@120° Tenon Adapter for 2-3/8" O.D. Tenon  <b>MA1188-XX</b>=4@90° Tenon Adapter for 2-3/8" O.D. Tenon  <b>MA1189-XX</b>=2@90° Tenon Adapter for 2-3/8" O.D. Tenon  <b>MA1190-XX</b>=3@90° Tenon Adapter for 2-3/8" O.D. Tenon  <b>MA1191-XX</b>=2@120° Tenon Adapter for 2-3/8" O.D. Tenon  <b>MA1038-XX</b>=Single Tenon Adapter for 3-1/2" O.D. Tenon  <b>MA1039-XX</b>=2@180° Tenon Adapter for 3-1/2" O.D. Tenon  <b>MA1192-XX</b>=3@120° Tenon Adapter for 3-1/2" O.D. Tenon  <b>MA1193-XX</b>=4@90° Tenon Adapter for 3-1/2" O.D. Tenon  <b>MA1194-XX</b>=2@90° Tenon Adapter for 3-1/2" O.D. Tenon  <b>MA1195-XX</b>=3@90° Tenon Adapter for 3-1/2" O.D. Tenon  <b>FSIR-100</b>=Wireless Configuration Tool for Occupancy Sensor<sup>24</sup>  <b>GLEON-MT1</b>=Field Installed Mesh Top for 1-4 Light Squares  <b>GLEON-MT2</b>=Field Installed Mesh Top for 5-6 Light Squares  <b>GLEON-MT3</b>=Field Installed Mesh Top for 7-8 Light Squares  <b>GLEON-MT4</b>=Field Installed Mesh Top for 9-10 Light Squares  <b>GLEON-QM</b>=Quick Mount Arm Kit<sup>11</sup>  <b>GLEON-QMEA</b>=Quick Mount Extended Arm Kit<sup>12</sup>  <b>LS/HSS</b>=Field Installed House Side Shield<sup>28,30</sup>  <b>LS/GRSBK</b>=Glare Reducing Shield, Black<sup>23,30</sup>  <b>LS/GRSWH</b>=Glare Reducing Shield, White<sup>23,30</sup>  <b>LS/PFS</b>=Perimeter Shield, Black<sup>15</sup>  <b>WOLC-7P-10A</b>=WaveLinX Outdoor Control Module<sup>19,31</sup>  <b>SWPD4-XX</b>=WaveLinX Wireless Sensor, 7'-15' Mounting Height<sup>13,19,32,33</sup>  <b>SWPD5-XX</b>=WaveLinX Wireless Sensor, 15'-40' Mounting Height<sup>13,19,32,33</sup></p>		
<p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.</li> <li>DesignLights Consortium<sup>®</sup> Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.</li> <li>Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with TH option.</li> <li>Not compatible with MS/4-LXX or MS/1-LXX sensors.</li> <li>Not compatible with extended quick mount arm (QMEA) or extended quick mount arm (QMEA).</li> <li>Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA).</li> <li>Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A.</li> <li>480V must utilize Wye system only. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems.)</li> <li>May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table.</li> <li>Factory installed.</li> <li>Maximum 8 light squares.</li> <li>Maximum 6 light squares.</li> <li>Requires ZW or ZD receptacle.</li> <li>Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.</li> <li>Set of 4 pcs. One set required per Light Square.</li> <li>Not available with HA option.</li> <li>2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in SA2 through SA4 requires a larger housing, normally used for SA5 or SA6. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table.</li> <li>Not available with Enlightened wireless sensors.</li> <li>Cannot be used with other control options.</li> <li>Low voltage control lead brought out 18" outside fixture.</li> <li>Not available if any "MS" sensor is selected. Motion sensor has an integral photocell.</li> <li>Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.</li> <li>Not for use with T4FT, T4W or SL4 optics. See IES files for details.</li> <li>The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.</li> <li>Replace X with number of Light Squares operating in low output mode.</li> <li>Enlightened wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities.</li> <li>Not available with house side shield (HSS).</li> <li>Not for use with 5NQ, 5MQ, 5WQ or RW optics. A black trim plate is used when HSS is selected.</li> <li>CE is not available with the LWR, MS, MS/X, MS/DIM, BPC, PR or PR7 options. Available in 120-277V only.</li> <li>One required for each Light Square.</li> <li>Requires PR7.</li> <li>Replace XX with sensor color (WH, BZ or BK.)</li> <li>WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed.</li> </ol>							

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

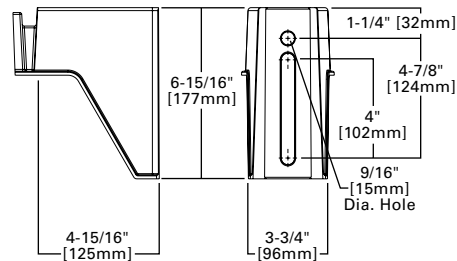
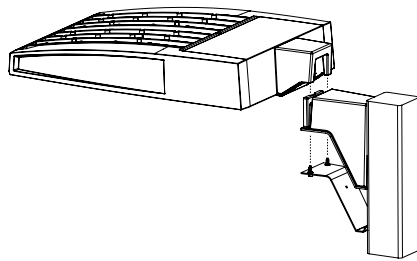
Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology 	D=Standard Dome Camera H=Hi-Res Dome Camera Z=Remote PTZ Camera	C=Cellular, No SIM A=Cellular, AT&T V=Cellular, Verizon S=Cellular, Sprint  R=Cellular, Rogers W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

Mounting Details

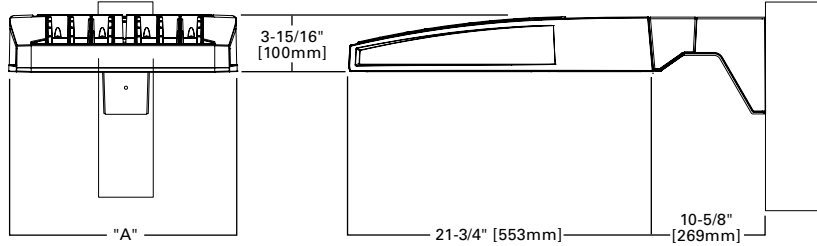
Standard Arm (Drilling Pattern)



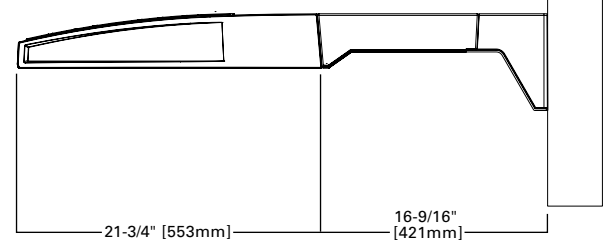
Quick Mount Arm (Includes fixture adapter)



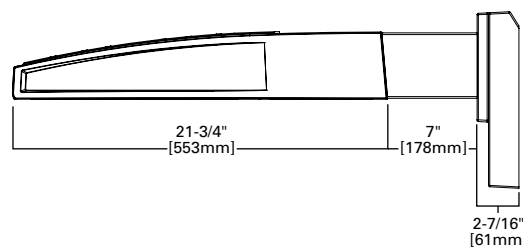
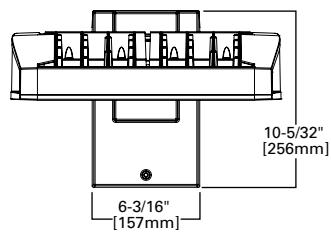
QM Quick Mount Arm (Standard)



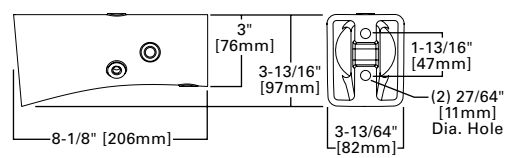
QMEA Quick Mount Arm (Extended)



Standard Wall Mount

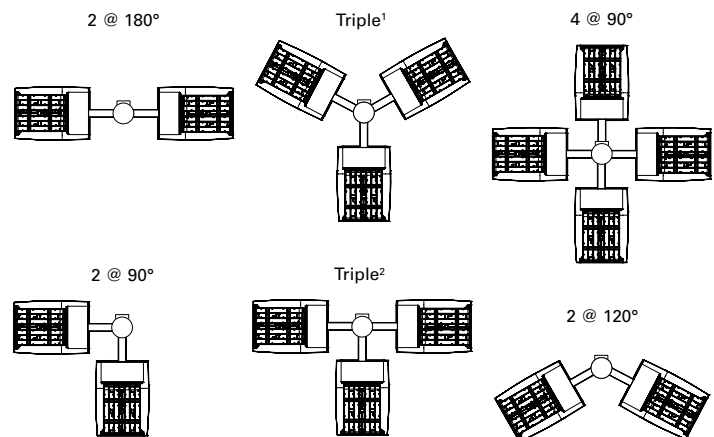


Mast Arm Mount



Arm Mounting Requirements

Number of Light Squares	Standard Arm @ 90° Apart	Standard Arm @ 120° Apart	Quick Mount Arm @ 90° Apart	Quick Mount Arm @ 120° Apart
1	Standard	Standard	QM Extended	Quick Mount
2	Standard	Standard	QM Extended	Quick Mount
3	Standard	Standard	QM Extended	Quick Mount
4	Standard	Standard	QM Extended	Quick Mount
5	Extended	Standard	QM Extended	Quick Mount
6	Extended	Standard	QM Extended	Quick Mount
7	Extended	Extended	--	Quick Mount
8	Extended	Extended	--	Quick Mount
9	Extended	Extended	--	--
10	Extended	Extended	--	--



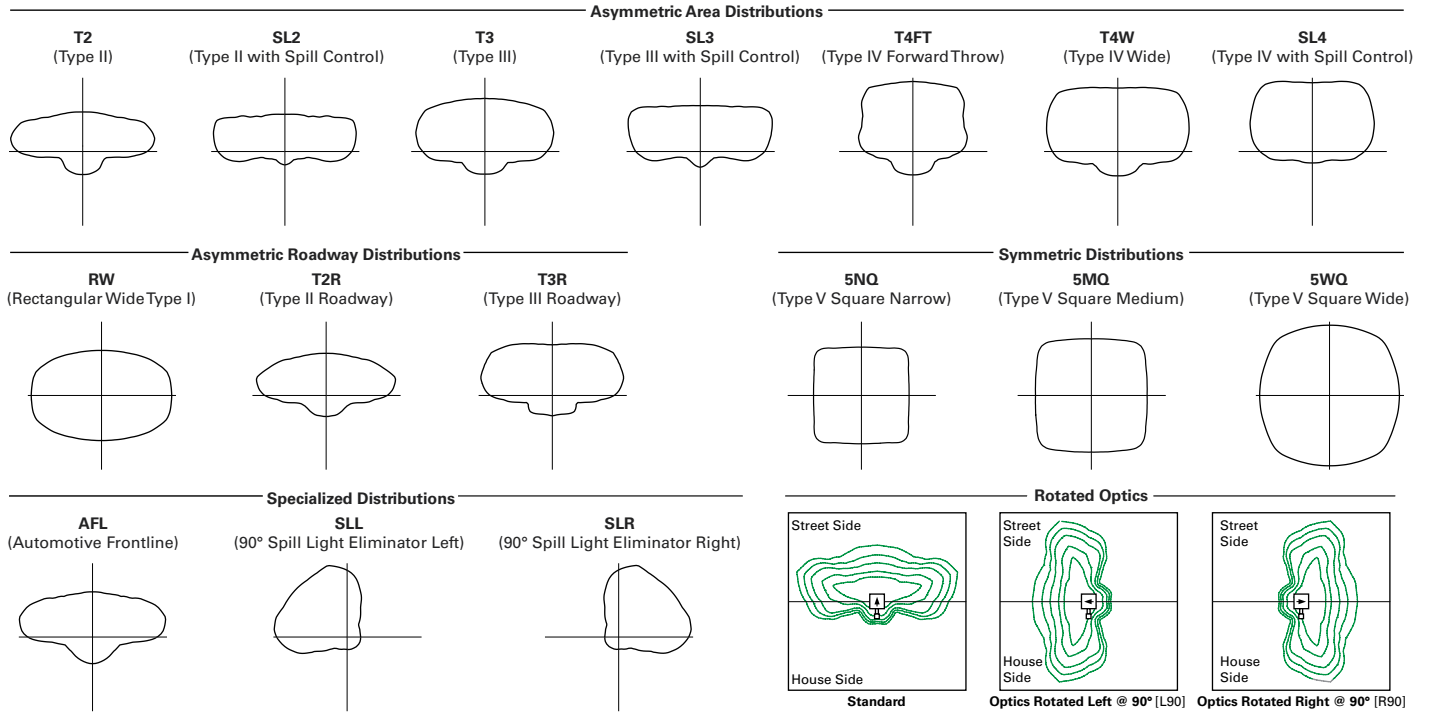
NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

Fixture Weights and EPAs

Number of Light Squares	Weight with Standard and Extended Arm (lbs.)	EPA with Standard and Extended Arm (Sq. Ft.)	Weight with Quick Mount Arm (lbs.)	EPA with Quick Mount Arm (Sq. Ft.)	Weight with Quick Mount Extended Arm (lbs.)	EPA with Quick Mount Extended Arm (Sq. Ft.)
1-4	33	0.96	35	1.11	38	1.11
5-6	44	1.00	46	1.11	49	1.11
7-8	54	1.07	56	1.11	--	--
9-10	63	1.12	--	--	--	--



Optical Distributions



Product Specifications

Construction

- Extruded aluminum driver enclosure
- Heavy-wall, die-cast aluminum end caps
- Die-cast aluminum heat sinks
- Patent pending interlocking housing and heat sink

Optics

- Patented, high-efficiency injection-molded AccuLED Optics technology
- 16 optical distributions
- 3 shielding options including HSS, GRS and PFS
- IDA Certified (3000K CCT and warmer only)

Electrical

- LED drivers are mounted to removable tray

assembly for ease of maintenance

- Standard with 0-10V dimming
- Standard with Cooper Lighting Solutions proprietary circuit module designed to withstand 10kV of transient line surge
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration.

Mounting

- Standard extruded arm includes internal bolt guides and round pole adapter
- Extended arms (EA and QMEA) may be required in 90° or 120° pole mount configurations, see arm mounting requirements table

- Mast arm (MA) factory installed

- Wall mount (WM) option available
- Quick mount arm (QM and QMEA) includes pole adapter and factory installed fixture mount for fast installation to square or round poles

Finish

- Super housing durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is powder coated black
- RAL and custom color matches available
- Coastal Construction (CC) option available

Warranty

- Five year warranty

Energy and Performance Data

Lumen Maintenance (TM-21)

Drive Current	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
Up to 1A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.7%	98.3%	98.1%	97.4%	> 1.9M
	50°C	98.2%	97.2%	96.8%	95.2%	> 851,000
1.2A	25°C	99.4%	99.0%	98.9%	98.3%	> 2.4M
	40°C	98.5%	97.9%	97.7%	96.7%	> 1.3M

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

\* Supported by IES TM-21 standards

\*\* Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

[View GLEON IES files](#)

Nominal Power Lumens (1.2A)

 Supplemental Performance Guide\*\*

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	67	129	191	258	320	382	448	511	575	640	
<b>Input Current @ 120V (A)</b>	0.58	1.16	1.78	2.31	2.94	3.56	4.09	4.71	5.34	5.87	
<b>Input Current @ 208V (A)</b>	0.33	0.63	0.93	1.27	1.57	1.87	2.22	2.52	2.8	3.14	
<b>Input Current @ 240V (A)</b>	0.29	0.55	0.80	1.10	1.35	1.61	1.93	2.18	2.41	2.71	
<b>Input Current @ 277V (A)</b>	0.25	0.48	0.70	0.96	1.18	1.39	1.69	1.90	2.09	2.36	
<b>Input Current @ 347V (A)</b>	0.20	0.39	0.57	0.78	0.96	1.15	1.36	1.54	1.72	1.92	
<b>Input Current @ 480V (A)</b>	0.15	0.30	0.43	0.60	0.73	0.85	1.03	1.16	1.28	1.45	
<b>Optics</b>											
<b>T2</b>	4000K Lumens	7,972	15,580	23,245	30,714	38,056	45,541	53,857	61,024	68,072	75,366
	BUG Rating	B1-U0-G2	B2-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
	Lumens per Watt	119	121	122	119	119	119	120	119	118	118
<b>T2R</b>	4000K Lumens	8,462	16,539	24,680	32,609	40,401	48,348	57,176	64,783	72,266	80,010
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	128	129	126	126	127	128	127	126	125
<b>T3</b>	4000K Lumens	8,125	15,879	23,693	31,307	38,787	46,417	54,893	62,197	69,381	76,818
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	123	124	121	121	122	123	122	121	120
<b>T3R</b>	4000K Lumens	8,306	16,232	24,220	32,001	39,651	47,447	56,114	63,580	70,924	78,523
	BUG Rating	B1-U0-G2	B2-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
	Lumens per Watt	124	126	127	124	124	124	125	124	123	123
<b>T4FT</b>	4000K Lumens	8,173	15,970	23,831	31,488	39,014	46,686	55,212	62,558	69,783	77,261
	BUG Rating	B1-U0-G3	B2-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	122	124	125	122	122	122	123	122	121	121
<b>T4W</b>	4000K Lumens	8,067	15,764	23,522	31,080	38,510	46,082	54,499	61,751	68,881	76,263
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	120	122	123	120	120	121	122	121	120	119
<b>SL2</b>	4000K Lumens	7,958	15,552	23,206	30,662	37,989	45,462	53,763	60,920	67,952	75,235
	BUG Rating	B2-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	119	121	121	119	119	119	120	119	118	118
<b>SL3</b>	4000K Lumens	8,124	15,877	23,690	31,302	38,784	46,410	54,885	62,189	69,372	76,805
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	121	123	124	121	121	121	123	122	121	120
<b>SL4</b>	4000K Lumens	7,719	15,085	22,510	29,741	36,850	44,097	52,148	59,089	65,913	72,977
	BUG Rating	B1-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	115	117	118	115	115	115	116	116	115	114
<b>5NQ</b>	4000K Lumens	8,380	16,375	24,436	32,287	40,003	47,870	56,610	64,144	71,552	79,221
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	125	127	128	125	125	125	126	126	124	124
<b>5MQ</b>	4000K Lumens	8,534	16,676	24,885	32,881	40,739	48,752	57,653	65,326	72,868	80,679
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	127	129	130	127	127	128	129	128	127	126
<b>5WQ</b>	4000K Lumens	8,556	16,723	24,951	32,968	40,847	48,881	57,808	65,499	73,063	80,894
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	128	130	131	128	128	128	129	128	127	126
<b>SLL/SLR</b>	4000K Lumens	7,140	13,951	20,817	27,506	34,081	40,783	48,231	54,649	60,959	67,492
	BUG Rating	B1-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	107	108	109	107	107	107	108	107	106	105
<b>RW</b>	4000K Lumens	8,304	16,228	24,215	31,994	39,641	47,437	56,100	63,566	70,907	78,504
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	124	126	127	124	124	124	125	124	123	123
<b>AFL</b>	4000K Lumens	8,335	16,287	24,302	32,110	39,784	47,610	56,303	63,796	71,163	78,790
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	124	126	127	124	124	124	125	126	125	123

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.

Nominal Power Lumens (1A)

 Supplemental Performance Guide\*\*

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
<b>Nominal Power (Watts)</b>		59	113	166	225	279	333	391	445	501	558
<b>Input Current @ 120V (A)</b>		0.51	1.02	1.53	2.03	2.55	3.06	3.56	4.08	4.60	5.07
<b>Input Current @ 208V (A)</b>		0.29	0.56	0.82	1.11	1.37	1.64	1.93	2.19	2.46	2.75
<b>Input Current @ 240V (A)</b>		0.26	0.48	0.71	0.96	1.19	0.41	1.67	1.89	2.12	2.39
<b>Input Current @ 277V (A)</b>		0.23	0.42	0.61	0.83	1.03	1.23	1.45	1.65	1.84	2.09
<b>Input Current @ 347V (A)</b>		0.17	0.32	0.50	0.64	0.82	1.00	1.14	1.32	1.50	1.68
<b>Input Current @ 480V (A)</b>		0.14	0.24	0.37	0.48	0.61	0.75	0.91	0.99	1.12	1.28
<b>Optics</b>											
<b>T2</b>	4000K Lumens	7,267	14,201	21,190	28,000	34,692	41,515	49,096	55,627	62,053	68,703
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	123	126	128	124	124	125	126	125	124	123
<b>T2R</b>	4000K Lumens	7,715	15,077	22,497	29,725	36,829	44,073	52,122	59,056	65,876	72,937
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	131	133	136	132	132	132	133	133	131	131
<b>T3</b>	4000K Lumens	7,408	14,475	21,598	28,539	35,358	42,313	50,039	56,698	63,246	70,024
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	128	130	127	127	127	128	127	126	125
<b>T3R</b>	4000K Lumens	7,571	14,798	22,078	29,172	36,145	43,253	51,153	57,959	64,653	71,581
	BUG Rating	B1-U0-G2	B2-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
	Lumens per Watt	128	131	133	130	130	130	131	130	129	128
<b>T4FT</b>	4000K Lumens	7,451	14,559	21,725	28,703	35,564	42,558	50,330	57,027	63,613	70,430
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	129	131	128	127	128	129	128	127	126
<b>T4W</b>	4000K Lumens	7,354	14,371	21,442	28,333	35,105	42,007	49,681	56,291	62,792	69,521
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	125	127	129	126	126	126	127	126	125	125
<b>SL2</b>	4000K Lumens	7,254	14,178	21,155	27,951	34,631	41,443	49,011	55,533	61,944	68,584
	BUG Rating	B1-U0-G2	B2-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	123	125	127	124	124	124	125	125	124	123
<b>SL3</b>	4000K Lumens	7,406	14,474	21,596	28,534	35,355	42,307	50,033	56,690	63,237	70,014
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	126	128	130	127	127	127	128	127	126	125
<b>SL4</b>	4000K Lumens	7,037	13,751	20,519	27,112	33,592	40,198	47,538	53,864	60,087	66,524
	BUG Rating	B1-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	119	122	124	120	120	121	122	121	120	119
<b>5NQ</b>	4000K Lumens	7,640	14,928	22,275	29,431	36,465	43,637	51,606	58,472	65,226	72,218
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	129	132	134	131	131	131	132	131	130	129
<b>5MQ</b>	4000K Lumens	7,779	15,203	22,684	29,973	37,137	44,441	52,555	59,549	66,427	73,545
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	132	135	137	133	133	133	134	134	133	132
<b>5WQ</b>	4000K Lumens	7,800	15,243	22,744	30,052	37,236	44,560	52,697	59,708	66,603	73,742
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	132	135	137	134	133	134	135	134	133	132
<b>SLL/SLR</b>	4000K Lumens	6,510	12,719	18,977	25,075	31,067	37,176	43,967	49,817	55,569	61,525
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	110	113	114	111	111	112	112	112	111	110
<b>RW</b>	4000K Lumens	7,570	14,793	22,073	29,165	36,137	43,243	51,140	57,945	64,637	71,564
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5
	Lumens per Watt	128	131	133	130	130	130	131	130	129	128
<b>AFL</b>	4000K Lumens	7,598	14,847	22,154	29,272	36,267	43,400	51,326	58,156	64,872	71,824
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
	Lumens per Watt	129	131	133	130	130	130	131	131	129	129

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.

Nominal Power Lumens (800mA)

Supplemental Performance Guide\*\*

Number of Light Squares		1	2	3	4	5	6	7	8	9	10
<b>Nominal Power (Watts)</b>		44	85	124	171	210	249	295	334	374	419
<b>Input Current @ 120V (A)</b>		0.39	0.77	1.13	1.54	1.90	2.26	2.67	3.03	3.39	3.80
<b>Input Current @ 208V (A)</b>		0.22	0.44	0.62	0.88	1.06	1.24	1.50	1.68	1.87	2.12
<b>Input Current @ 240V (A)</b>		0.19	0.38	0.54	0.76	0.92	1.08	1.30	1.46	1.62	1.84
<b>Input Current @ 277V (A)</b>		0.17	0.36	0.47	0.72	0.83	0.95	1.19	1.31	1.42	1.67
<b>Input Current @ 347V (A)</b>		0.15	0.24	0.38	0.49	0.63	0.77	0.87	1.01	1.15	1.52
<b>Input Current @ 480V (A)</b>		0.11	0.18	0.29	0.37	0.48	0.59	0.66	0.77	0.88	0.96
<b>Optics</b>											
<b>T2</b>	4000K Lumens	5,871	11,474	17,121	22,622	28,029	33,542	39,667	44,944	50,134	55,508
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	133	135	138	132	133	135	134	135	134	132
<b>T2R</b>	4000K Lumens	6,233	12,181	18,176	24,016	29,756	35,608	42,111	47,714	53,224	58,929
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5
	Lumens per Watt	142	143	147	140	142	143	143	143	142	141
<b>T3</b>	4000K Lumens	5,986	11,695	17,450	23,057	28,568	34,186	40,430	45,809	51,099	56,576
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	136	138	141	135	136	137	137	137	137	135
<b>T3R</b>	4000K Lumens	6,117	11,955	17,838	23,569	29,203	34,946	41,328	46,827	52,235	57,832
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	139	141	144	138	139	140	140	140	140	138
<b>T4FT</b>	4000K Lumens	6,019	11,763	17,551	23,190	28,734	34,384	40,663	46,074	51,396	56,904
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	137	138	142	136	137	138	138	138	137	136
<b>T4W</b>	4000K Lumens	5,942	11,610	17,324	22,891	28,363	33,940	40,138	45,480	50,732	56,169
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	135	137	140	134	135	136	136	136	136	134
<b>SL2</b>	4000K Lumens	5,862	11,454	17,091	22,583	27,980	33,484	39,598	44,867	50,048	55,411
	BUG Rating	B1-U0-G2	B2-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
	Lumens per Watt	133	135	138	132	133	134	134	134	134	132
<b>SL3</b>	4000K Lumens	5,985	11,694	17,447	23,053	28,565	34,182	40,424	45,804	51,092	56,568
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	136	138	141	135	136	137	137	137	137	135
<b>SL4</b>	4000K Lumens	5,685	11,111	16,577	21,905	27,140	32,478	38,409	43,520	48,546	53,748
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	129	131	134	128	129	130	130	130	130	128
<b>5NQ</b>	4000K Lumens	6,172	12,061	17,997	23,778	29,462	35,256	41,694	47,242	52,699	58,347
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	140	142	145	139	140	142	141	141	141	139
<b>5MQ</b>	4000K Lumens	6,285	12,283	18,328	24,217	30,004	35,907	42,462	48,112	53,669	59,421
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	143	145	148	142	143	144	144	144	144	142
<b>5WQ</b>	4000K Lumens	6,303	12,317	18,377	24,281	30,085	36,001	42,575	48,241	53,812	59,579
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	143	145	148	142	143	145	144	144	144	142
<b>SLL/SLR</b>	4000K Lumens	5,260	10,276	15,332	20,259	25,101	30,037	35,522	40,249	44,898	49,708
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	120	121	124	118	120	121	120	121	120	119
<b>RW</b>	4000K Lumens	6,116	11,952	17,834	23,563	29,196	34,938	41,317	46,817	52,224	57,819
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	139	141	144	138	139	140	140	140	140	138
<b>AFL</b>	4000K Lumens	6,139	11,996	17,899	23,650	29,302	35,064	41,468	46,987	52,412	58,030
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4
	Lumens per Watt	140	141	144	138	140	141	141	141	140	138

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.

Nominal Power Lumens (600mA)

 Supplemental Performance Guide\*\*

Number of Light Squares	1	2	3	4	5	6	7	8	9	10	
<b>Nominal Power (Watts)</b>	34	66	96	129	162	193	226	257	290	323	
<b>Input Current @ 120V (A)</b>	0.30	0.58	0.86	1.16	1.44	1.73	2.03	2.33	2.59	2.89	
<b>Input Current @ 208V (A)</b>	0.17	0.34	0.49	0.65	0.84	0.99	1.14	1.30	1.48	1.63	
<b>Input Current @ 240V (A)</b>	0.15	0.30	0.43	0.56	0.74	0.87	1.00	1.13	1.30	1.43	
<b>Input Current @ 277V (A)</b>	0.14	0.28	0.41	0.52	0.69	0.81	0.93	1.04	1.22	1.33	
<b>Input Current @ 347V (A)</b>	0.11	0.19	0.30	0.39	0.49	0.60	0.69	0.77	0.90	0.99	
<b>Input Current @ 480V (A)</b>	0.08	0.15	0.24	0.30	0.38	0.48	0.53	0.59	0.71	0.77	
<b>Optics</b>											
<b>T2</b>	4000K Lumens	4,787	9,357	13,961	18,448	22,856	27,353	32,347	36,651	40,884	45,265
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	141	142	145	143	141	142	143	143	141	140
<b>T2R</b>	4000K Lumens	5,083	9,934	14,822	19,585	24,266	29,038	34,341	38,911	43,404	48,055
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5
	Lumens per Watt	150	151	154	152	150	150	152	151	150	149
<b>T3</b>	4000K Lumens	4,880	9,537	14,231	18,803	23,296	27,878	32,970	37,358	41,671	46,137
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	144	145	148	146	144	144	146	145	144	143
<b>T3R</b>	4000K Lumens	4,988	9,749	14,547	19,220	23,814	28,497	33,703	38,188	42,598	47,162
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	147	148	152	149	147	148	149	149	147	146
<b>T4FT</b>	4000K Lumens	4,909	9,591	14,312	18,911	23,432	28,040	33,161	37,574	41,913	46,404
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	144	145	149	147	145	145	147	146	145	144
<b>T4W</b>	4000K Lumens	4,845	9,468	14,128	18,668	23,130	27,678	32,732	37,088	41,371	45,805
	BUG Rating	B1-U0-G2	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
	Lumens per Watt	143	143	147	145	143	143	145	144	143	142
<b>SL2</b>	4000K Lumens	4,779	9,341	13,937	18,416	22,818	27,305	32,292	36,589	40,813	45,188
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	141	142	145	143	141	141	143	142	141	140
<b>SL3</b>	4000K Lumens	4,879	9,536	14,229	18,800	23,294	27,874	32,965	37,351	41,666	46,130
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	144	144	148	146	144	144	146	145	144	143
<b>SL4</b>	4000K Lumens	4,637	9,059	13,519	17,863	22,132	26,486	31,322	35,490	39,589	43,831
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	136	137	141	138	137	137	139	138	137	136
<b>5NQ</b>	4000K Lumens	5,033	9,835	14,676	19,392	24,026	28,751	34,002	38,526	42,975	47,581
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	148	149	153	150	148	149	150	150	148	147
<b>5MQ</b>	4000K Lumens	5,126	10,015	14,946	19,747	24,468	29,281	34,628	39,236	43,766	48,457
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G4
	Lumens per Watt	151	152	156	153	151	152	153	153	151	150
<b>5WQ</b>	4000K Lumens	5,139	10,043	14,985	19,801	24,533	29,359	34,721	39,339	43,883	48,586
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5
	Lumens per Watt	151	152	156	153	151	152	154	153	151	150
<b>SLL/SLR</b>	4000K Lumens	4,289	8,380	12,502	16,520	20,469	24,494	28,967	32,823	36,613	40,537
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5
	Lumens per Watt	126	127	130	128	126	127	128	128	126	126
<b>RW</b>	4000K Lumens	4,987	9,746	14,543	19,215	23,808	28,491	33,695	38,178	42,587	47,151
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
	Lumens per Watt	147	148	151	149	147	148	149	149	147	146
<b>AFL</b>	4000K Lumens	5,007	9,782	14,597	19,285	23,896	28,594	33,817	38,317	42,742	47,322
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
	Lumens per Watt	147	148	152	149	148	148	150	149	147	147

\* Nominal data for 70 CRI. \*\* For additional performance data, please reference the Galleon Supplemental Performance Guide.

## Control Options

### 0-10V (DIM)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

### Photocontrol (BPC, PR and PR7)

Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) 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.

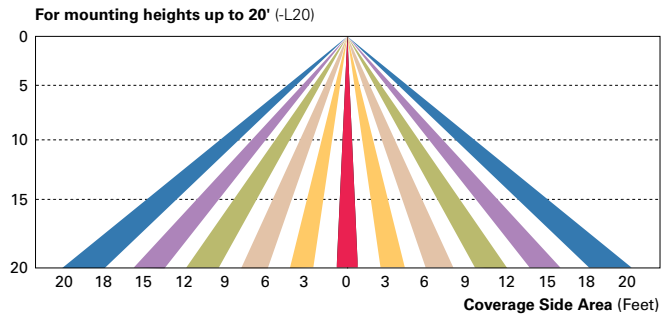
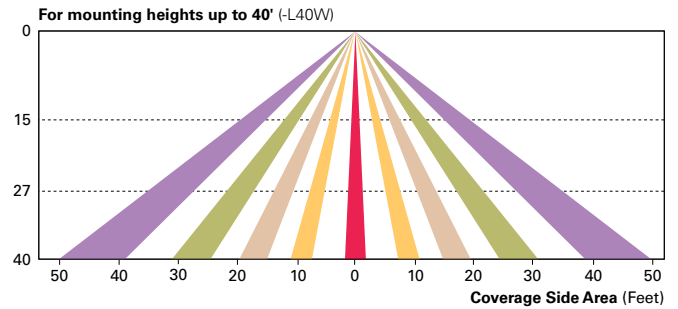
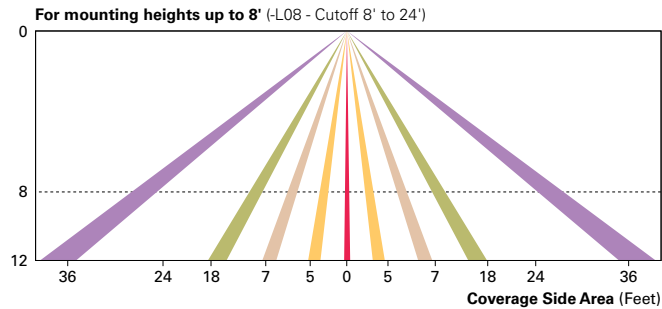
### After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

### Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

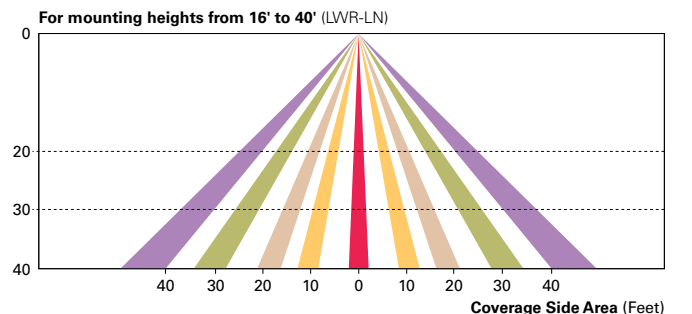
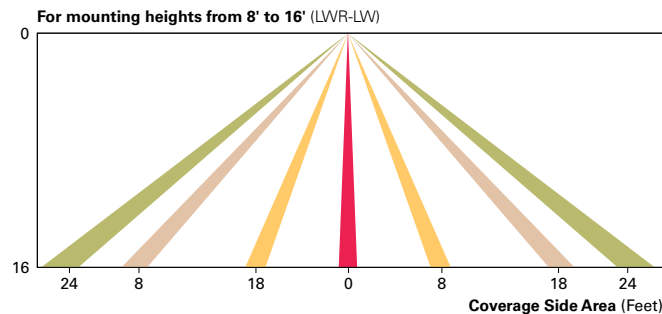
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage. pattern for mounting heights from 8'-40'.



### Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN)

Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



### WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

### LumenSafe Integrated Network Security Camera (LD)

Cooper Lighting Solutions brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.

### Synapse (DIM10)

SimplySNAP integrated wireless controls system by Synapse. Includes factory installed DIM10 Synapse control module and MS/DC motion sensor; requires additional Synapse system components for operation. Contact Synapse at [www.synapsewireless.com](http://www.synapsewireless.com) for product support, warranty and terms and conditions.

## DESCRIPTION

The Galleon™ Wall LED luminaire's appearance is complementary with the Galleon area and site luminaire bringing a modern architectural style to lighting applications. Flexible mounting options accommodate wall surfaces in both an upward and downward configuration. The Galleon family of LED products deliver exceptional performance with patented, high-efficiency AccuLED Optics™, providing uniform and energy conscious lighting for parking lots, building and security lighting applications.

## SPECIFICATION FEATURES

### Construction

Driver enclosure thermally isolated from optics for optimal thermal performance. Heavy wall aluminum housing die-cast with integral external heat sinks to provide superior structural rigidity and an IP66 rated housing. Overall construction passes a 1.5G vibration test to ensure mechanical integrity. UPLIGHTING: Specify with the UPL option for inverted mount upright housing with additional protections to maintain IP rating.

### Optics

Choice of thirteen patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K

and 6000K CCT. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 1200mA, 800mA, and 600mA drive currents.

### Electrical

LED drivers are mounted for ease of maintenance. 120-277V 50/60Hz, 347V or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Drivers are provided standard with 0-10V dimming. An optional Cooper Lighting Solutions proprietary surge protection module is available and designed to withstand 10kV of transient line surge. The Galleon Wall LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Catalog #		Type
Project		
Comments		Date
Prepared by		

### Mounting

Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Galleon Wall "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws which are concealed but accessible from bottom of fixture.

### Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

### Warranty

Five-year warranty.



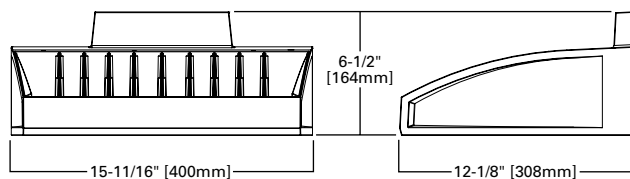
## GWC GALLEON WALL

1-2 Light Squares  
Solid State LED

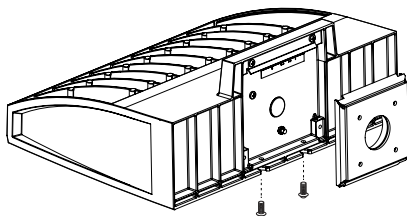
WALL MOUNT LUMINAIRE

WaveLinX

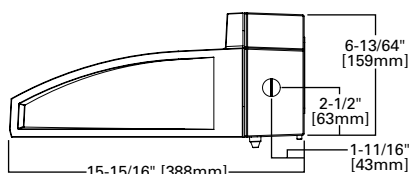
## DIMENSIONS



## HOOK-N-LOCK MOUNTING



## BATTERY BACKUP AND THRU-BRANCH BACK BOX



### CERTIFICATION DATA

UL/cUL Listed  
LM79 / LM80 Compliant  
IP66 Housing  
ISO 9001  
DesignLights Consortium® Qualified\*

### ENERGY DATA

Electronic LED Driver  
>0.9 Power Factor  
<20% Total Harmonic Distortion  
120-277V 50/60Hz  
347V, 480V 60Hz  
-40°C Min. Temperature  
40°C Max. Temperature  
50°C Max. Temperature (HA Option)

### SHIPPING DATA

Approximate Net Weight:  
27 lbs. (12.2 kgs.)

**POWER AND LUMENS**

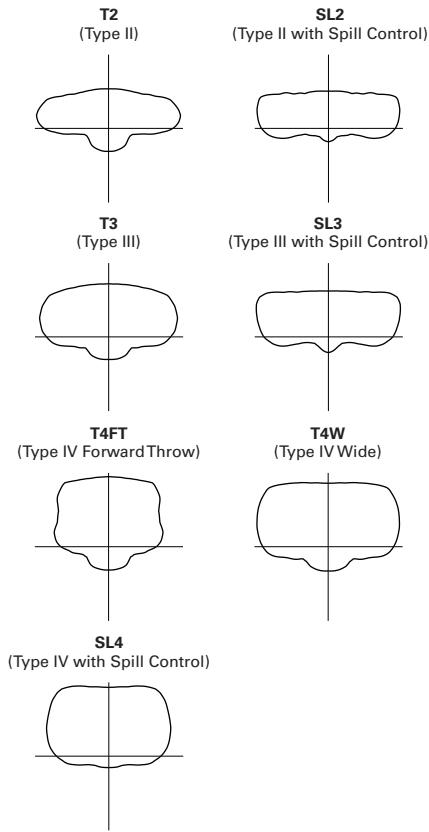
Number of Light Squares		1				2			
Drive Current		600mA	800mA	1.0A	1.2A	600mA	800mA	1.0A	1.2A
<b>Nominal Power (Watts)</b>		34	44	59	67	66	86	113	129
<b>Input Current @ 120V (A)</b>		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
<b>Input Current @ 208V (A)</b>		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
<b>Input Current @ 240V (A)</b>		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
<b>Input Current @ 277V (A)</b>		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
<b>Input Current @ 347V (mA)</b>		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
<b>Input Current @ 480V (mA)</b>		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
<b>Optics</b>									
<b>T2</b>	4000K/5000K Lumens	4,204	5,156	6,381	7,000	8,215	10,075	12,470	13,680
	3000K Lumens	3,975	4,874	6,033	6,618	7,767	9,525	11,790	12,934
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
<b>T3</b>	4000K/5000K Lumens	4,285	5,256	6,505	7,135	8,375	10,269	12,710	13,943
	3000K Lumens	4,051	4,969	6,150	6,746	7,918	9,710	12,017	13,182
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
<b>T4FT</b>	4000K/5000K Lumens	4,311	5,286	6,542	7,177	8,422	10,329	12,784	14,024
	3000K Lumens	4,075	4,998	6,185	6,786	7,963	9,766	12,086	13,259
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
<b>T4W</b>	4000K/5000K Lumens	4,254	5,217	6,458	7,084	8,313	10,195	12,619	13,843
	3000K Lumens	4,023	4,933	6,105	6,698	7,860	9,639	11,931	13,088
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
<b>SL2</b>	4000K/5000K Lumens	4,196	5,147	6,370	6,988	8,202	10,058	12,449	13,656
	3000K Lumens	3,967	4,866	6,022	6,607	7,755	9,509	11,771	12,911
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
<b>SL3</b>	4000K/5000K Lumens	4,284	5,255	6,504	7,134	8,374	10,268	12,709	13,941
	3000K Lumens	3,849	4,720	5,842	6,408	7,520	9,224	11,415	12,523
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3
<b>SL4</b>	4000K/5000K Lumens	4,071	4,992	6,179	6,778	7,954	9,756	12,074	13,246
	3000K Lumens	3,849	4,720	5,842	6,408	7,520	9,224	11,415	12,523
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3
<b>5NQ</b>	4000K/5000K Lumens	4,420	5,420	6,709	7,358	8,637	10,591	13,108	14,380
	3000K Lumens	4,179	5,124	6,343	6,957	8,166	10,013	12,393	13,595
	BUG Rating	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
<b>5MQ</b>	4000K/5000K Lumens	4,501	5,520	6,831	7,494	8,795	10,786	13,350	14,644
	3000K Lumens	4,256	5,219	6,458	7,085	8,316	10,198	12,622	13,845
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
<b>5WQ</b>	4000K/5000K Lumens	4,513	5,534	6,849	7,514	8,819	10,815	13,385	14,683
	3000K Lumens	4,268	5,232	6,475	7,104	8,338	10,224	12,656	13,882
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
<b>SLL/SLR</b>	4000K/5000K Lumens	3,765	4,619	5,716	6,270	7,358	9,023	11,167	12,251
	3000K Lumens	3,560	4,367	5,404	5,927	6,957	8,531	10,559	11,583
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3
<b>RW</b>	4000K/5000K Lumens	4,379	5,370	6,647	7,293	8,558	10,494	12,989	14,250
	3000K Lumens	4,141	5,077	6,285	6,895	8,092	9,922	12,281	13,473
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2

\* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

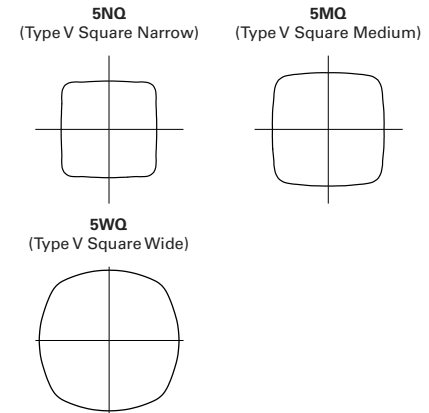


**OPTICAL DISTRIBUTIONS**

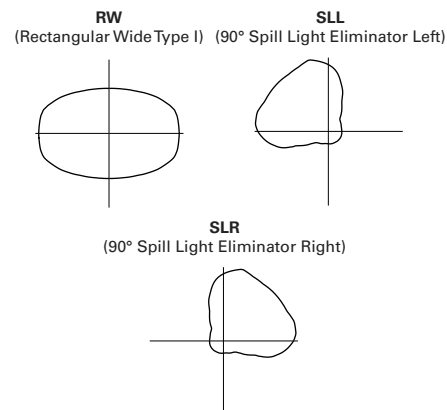
**Asymmetric Area Distributions**



**Symmetric Distributions**

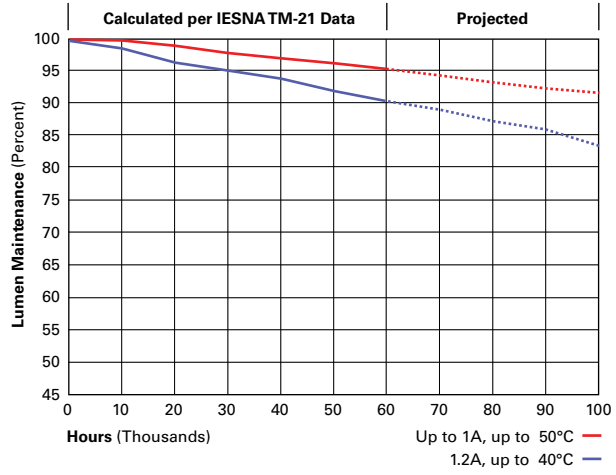


**Specialized Distributions**



**LUMEN MAINTENANCE**

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	> 416,000
1.2A	Up to 40°C	> 90%	> 205,000



**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

**CONTROL OPTIONS**

**0-10V**

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

**Photocontrol (P, R and PER7)**

Optical button-type photocontrol (P) and photocontrol receptacles (R and PER7) 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 PER7 receptacle.

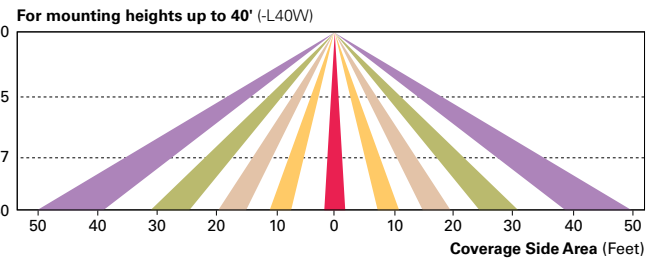
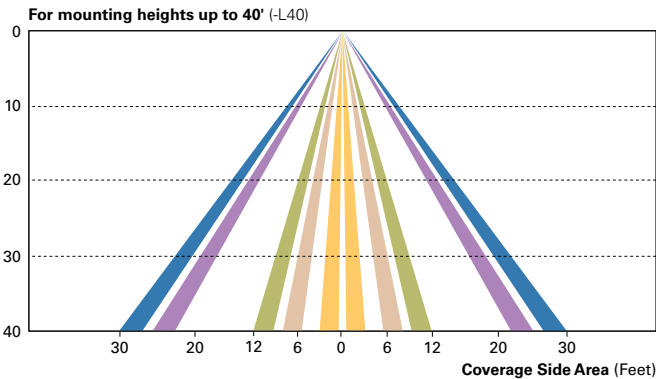
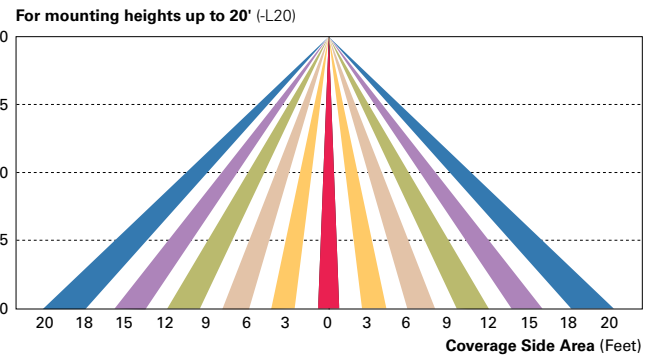
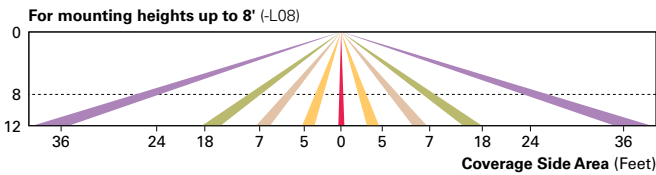
**After Hours Dim (AHD)**

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

**Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX)**

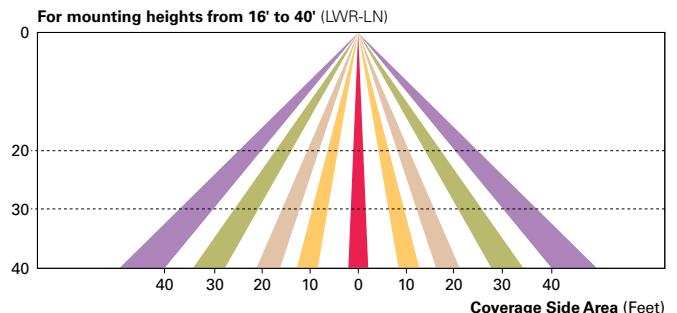
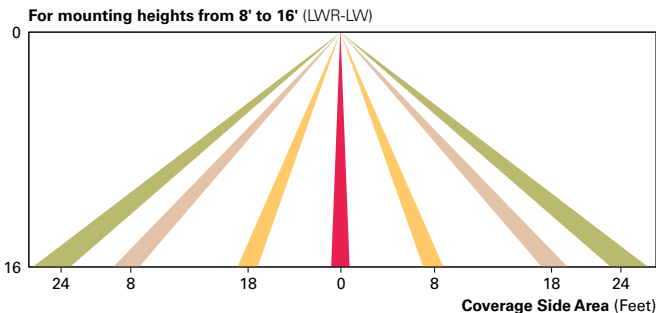
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



**Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN)**

Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



**WaveLinX Wireless Outdoor Lighting Control Module (WOLC-7P-10A)**

The 7-pin wireless outdoor lighting control module enables WaveLinX to control outdoor area, site and flood lighting. WaveLinX controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

**ORDERING INFORMATION**

Sample Number: GWC-AF-02-LED-E1-T3-GM

Product Family <sup>1</sup>	Light Engine	Number of Light Squares <sup>2</sup>	Lamp Type	Voltage	Distribution	Color	Mounting Options
GWC=Galleon Wall	AF=1A Drive Current	01=1 02=2 <sup>3</sup>	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V <sup>4</sup> 480=480V <sup>4,5</sup>	T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I 5NQ=Type V Square Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White CC=Custom Color <sup>6</sup>	[BLANK]=Surface Mount
<b>Options (Add as Suffix)</b>					<b>Accessories (Order Separately)</b>		
7027=70 CRI / 2700K <sup>7</sup> 7030=70 CRI / 3000K <sup>7</sup> 8030=80 CRI / 3000K <sup>7</sup> 7050=70 CRI / 5000K <sup>7</sup> 7060=70 CRI / 6000K <sup>7</sup> AMB=Amber 590nm <sup>8,28</sup> 600=Drive Current Factory Set to 600mA 800=Drive Current Factory Set to 800mA 1200=Drive Current Factory Set to 1200mA <sup>8</sup> F=Single Fused (120, 277 or 347V. Must Specify Voltage) FF=Double Fused (208, 240 or 480V. Must Specify Voltage) 10K=10kV Surge Module DIM=0-10V Dimming Leads <sup>9,10</sup> DALI=DALI Driver <sup>11</sup> HA=50°C High Ambient <sup>12</sup> UPL=Uplight Housing <sup>13</sup> CBP=Battery Pack with Back Box, Cold Weather Rated <sup>3,8,14,27</sup> CBP-CEC=Battery Pack with Back Box, Cold Weather Rated, CEC compliant <sup>3,8,14,27</sup> P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) R=NEMA Twistlock Photocontrol Receptacle PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle <sup>15</sup> AHD145=After Hours Dim, 5 Hours <sup>16</sup> AHD245=After Hours Dim, 6 Hours <sup>16</sup> AHD255=After Hours Dim, 7 Hours <sup>16</sup> AHD355=After Hours Dim, 8 Hours <sup>16</sup> MS-LXX=Motion Sensor for On/Off Operation <sup>17,18,19</sup> MS/DIM-LXX=Motion Sensor for Dimming Operation <sup>17,18,19</sup> LWR-LW=Enlighted Wireless Sensor, Wide Lens for 8' - 16' Mounting Height <sup>19,20,21</sup> LWR-LN=Enlighted Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height <sup>19,20,21</sup> L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MT=Factory Installed Mesh Top LCF=Light Square Trim Plate Painted to Match Housing <sup>22</sup> HSS=Factory Installed House Side Shield <sup>23</sup> CE=CE Marking and Small Terminal Block <sup>24</sup> ZW=WaveLinX-enabled Module and 4-PIN Receptacle <sup>29,30</sup> ZD=WaveLinX-enabled Module with DALI driver and 4-PIN Receptacle <sup>29,30</sup> SWPD4XX=WaveLinX Sensor Only, 7'-15' <sup>31,32</sup> SWPD5XX=WaveLinX Sensor Only, 15'-40' <sup>31,32</sup> WOBXX=WaveLinX Sensor with Bluetooth, 7'-15' <sup>31,32</sup> WOFXX=WaveLinX Sensor with Bluetooth, 15'-40' <sup>31,32</sup>					OA/RA1013=Photocontrol Shorting Cap OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201=NEMA Photocontrol - 347V OA/RA1027=NEMA Photocontrol - 480V MA1252=10kV Circuit Module Replacement MA1059XX=Thru-branch Back Box (Must Specify Color) FSIR-100=Wireless Configuration Tool for Occupancy Sensor <sup>17</sup> LS/HSS=Field Installed House Side Shield <sup>23,25</sup> WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin) <sup>26,29</sup> SWPD4-XX=WaveLinX Wireless Sensor, 7' - 15' Mounting Height <sup>29,30,31</sup> SWPD5-XX=WaveLinX Wireless Sensor, 15' - 40' Mounting Height <sup>29,30,31</sup>		

- NOTES:**
- DesignLight Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
  - Standard 4000K CCT and minimum 70 CRI.
  - Two light squares with CBP options limited to 25°C, 120-277V only. Not available in combination with sensor options at 1200mA.
  - Requires the use of a step down transformer. Not available in combination with sensor options at 1200mA.
  - Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
  - Custom colors are available. Setup charges apply. Paint chip samples required. Extended Lead times apply.
  - Extended lead times apply. Use dedicated IES files when performing layouts.
  - Not available with HA option.
  - Cannot be used with other control options.
  - Low voltage control lead brought out 18" outside fixture.
  - Only available with BBB or CWB in single light square. HA option available for single light square only. Limited to 1A and below.
  - Not available with 1200, UPL, BBB and CWB options. Available for single light square only.
  - Not available with SL2, SL3, SL4, HA, BBB, CWB, R, or PER7 options.
  - Operates a single light square only. Operates at -20°C to +40°C. Backbox is non-IP rated.
  - Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls.
  - Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
  - The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Cooper Lighting Solutions for more information.
  - Replace LXX with the available mounting height options: L08, L20, L40 or L40W are the only choices.
  - Includes integral photosensor.
  - Enlighted wireless sensors are factory installed requiring network components in appropriate quantities. See www.cooperlighting.com for Enlighted application information.
  - Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options.
  - Not available with HSS option.
  - Only for use with SL2, SL3 and SL4 distributions. The light square trim plate is painted black when the HSS option is selected.
  - CE is not available with the 1200, DALI, LWR, MS, MS/DIM, P, R or PER7 options. Available in 120-277V only.
  - One required for each light square.
  - Requires PER7.
  - Control option limited to P=Button Type Photocontrol (must specify voltage).
  - Narrow-band 590nm +/-5nm for wildlife and observatory use. Supplied at 500mA drive current only. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
  - Cannot be used in conjunction with photocontrol or other controls systems (P, R, MS, LWR).
  - WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed.
  - Requires ZW or ZD receptacle.
  - Replace XX with sensor color (WH, BZ or BK.)



Cooper Lighting Solutions  
 1121 Highway 74 South  
 Peachtree City, GA 30269  
 P: 770-486-4800  
 www.cooperlighting.com

Specifications and dimensions subject to change without notice.