

# URBAN DESIGN COMMISSION APPLICATION

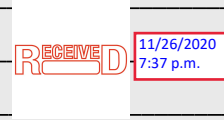
# UDC

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 \_\_\_\_\_  
Submission reviewed by \_\_\_\_\_  
Legistar # \_\_\_\_\_



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: 4921 Femrite Dr  
Title: FGC - Gateway speculative building

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

UDC meeting date requested January 13, 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** Kirk Biodrowski      Company Sketchworks Architecture  
**Street address** 7780 Elmwood Ave      City/State/Zip Middleton, WI 53562  
**Telephone** 608-836-7570      Email kbiodrowski@sketchworksarch.com

**Project contact person** Kirk Biodrowski      Company \_\_\_\_\_  
**Street address** \_\_\_\_\_      City/State/Zip \_\_\_\_\_  
**Telephone** \_\_\_\_\_      Email \_\_\_\_\_

**Property owner (if not applicant)** Wisconsin Data Partners LLC (Tyler Marks)  
**Street address** 4916 E. Broadway      City/State/Zip Madison, WI 53716  
**Telephone** 866-432-1711      Email tmarks@facilitygateway.com

**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 Oct 30, 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 Kirk Biodrowski Relationship to property Owner architect firm

Authorizing signature of property owner \_\_\_\_\_ Date \_\_\_\_\_

**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



November 25, 2020

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

RE: UDC Final Approval: Letter of Intent  
4921 Femrite Dr (Speculative Building)

Dear Commission members:

On behalf of Wisconsin Data Partners LLC, Sketchworks Architecture, LLC is submitting this letter of intent and application for a final approval of Concept Site, Building Plans, and Elevations at 4921 Femrite Dr. Our submittal is for a new ~86,400 SF speculative building with ~14 tenants. The building will be a single-story tilt-up concrete building.

The site is zoned Limited Industrial (IL). The intended proposed use is allowed under this zoning. Any tenant conditional use will be reviewed on a tenant by tenant basis and is not part of this review.

On October 30<sup>th</sup>, 2020 we presented our concept to the planning/ zoning division, and to conduct a pre-UDC meeting with Janine Glaeser. On November 5<sup>th</sup>, 2020 we will present a further developed plan to the planning and city engineers through a DAT meeting.

The Alderperson Michael Tierney, district 16 was contacted and we are awaiting his response. His confirmation will be included as soon as it is delivered to us.

**Proposal Summary:** This new building single-story, tilt-up concrete speculative building.

**Existing conditions:**

The site is currently unoccupied. The site is currently going through the process of being combined into a single property.

**Legal Description:**

New CSM in process.

**Proposed use:**

The proposed use is a multi-tenant building. This building will house up to ~14 tenants (more or less depending on how the building is finally divided). There will be a total of 100 surface parking stalls, 4 of which are ADA and 1 of them van accessible. There will be 18 surface bike stalls. The trash enclosure will be located south of the building and screened.

**Design Attributes:**



The building was designed to meet or exceed the aesthetic requirements for a building in this neighborhood. It is a single-story building, that is ~24'-0" tall at the parapets. Rooftop equipment will be screened using a metal panel fencing. Trash enclosures to be screened using cedar wood fence stained to match building.

Materials shall be a combination of sandblasted and painted tilt-up concrete (see elevations).

**Site Planning:**

1. Site has (2) ingress/ egress locations both on Dairy Dr
2. Site is being developed with best stormwater practices
3. Utilities serving the building will be underground

**Parking Lots / Loading Docks:**

1. Parking lots will provide landscaping islands and perimeter landscaping to meet or exceed current code
2. Trash enclosures are located in the back of the building at the limits of the lot. The will be enclosed with a cedar fence to screen the dumpsters

**Building / Site Relationships:**

1. The building is located to optimize the site as well as the building function, vehicle parking is in front of the building with loading docks behind

**Lighting:**

1. Site lighting is designed to minimize light pollution and meets or exceeds current codes
2. Pole lights are used in the vehicle parking area
3. Building lights are used at the loading dock areas

**Utilities:**

1. Utilities serving the building will be underground

**Signs:**

1. The signage package is in conformance with city of Madison and UDD sign ordinances
2. Specific signage will be addressed with each tenant

In summary, the project will consist of the general criteria listed below:

**Zoning District:**

The property is currently zoned IL.

**Project Schedule:**

The project construction schedule will be as follows (subject to change):

|                               |                                 |
|-------------------------------|---------------------------------|
| DAT meeting:                  | November 5 <sup>th</sup> , 2020 |
| UDC approval:                 | January 13 <sup>th</sup> , 2021 |
| Plan submittal:               | February, 2021                  |
| Permit submittal:             | March, 2021                     |
| Start Construction (footings) | March / April, 2021             |



**Project Team:**

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

**Building Owner:**

Wisconsin Data Partners LLC  
4916 E. Broadway  
Madison, WI 53716  
Contact Tyler Marks  
(866) 432-1711

**Architect:**

Sketchworks Architecture, LLC  
7780 Elmwood Ave Ste 208  
Middleton, WI 53562  
Contact: Kirk Biodrowski  
(608) 836-7570

**Civil Engineer:**

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

**General Contractor :**

Newcomb Construction LLC  
999 Fourier Dr. Ste 102  
Madison, WI 53717  
Contact : Bret Newcomb  
(608) 833-5220

Please feel free to contact us with any questions you may have regarding this request.

Respectfully,

A handwritten signature in black ink that reads "Kirk Biodrowski". The signature is written in a cursive, flowing style.

Kirk Biodrowski  
Sketchworks Architecture, LLC

# FGC FLEX BUILDING

4921 FEMRITE DR.  
MADISON, WI 53716

## PROJECT DATA

**LOCATION:**  
4921 FEMRITE DR  
MADISON, WI

**REGULATING MUNICIPALITIES:**  
CITY OF MADISON  
DANE COUNTY  
STATE OF WISCONSIN

**BUILDING CODE:**  
CITY OF MADISON ZONING ORDINANCES  
DANE COUNTY ZONING ORDINANCES  
WISCONSIN ADMINISTRATIVE CODE  
2015 INTERNATIONAL BUILDING CODE  
ACCESSIBILITY ANSI A117.1 - 2009

**PROJECT DESCRIPTION:**  
NEW 86,400 SF SINGLE STORY SPECULATIVE INDUSTRIAL BUILDING ON AN EMPTY LOT

**OCCUPANCY TYPE:**  
PRIMARY: STORAGE  
SECONDARY: BUSINESS

**CONSTRUCTION TYPE:**  
IIB - NON-COMBUSTIBLE

**ALLOWABLE BUILDING AREA & HEIGHT:**  
(IBC TABLE 504.3) MAXIMUM HEIGHT ABOVE GRADE PLANE = [XX] FEET  
(IBC TABLE 504.4) MAXIMUM STORIES ALLOWED = [XX] STORIES  
(IBC TABLE 504.4) MAXIMUM AREA ALLOWED PER FLOOR = [XX,XXX] SF  
(IBC TABLE 506.2) AREA MODIFICATIONS = [XX,XXX] SF  
(IBC SECTION 506) TOTAL MAXIMUM ALLOWABLE AREA PER FLOOR = [XX,XXX] SF

**ACTUAL BUILDING AREA & HEIGHT:**  
HEIGHT ABOVE GRADE PLANE = 24 FEET  
STORIES = 1 STORIES  
TOTAL BUILDING AREA = 86,400 SF

**NUMBER OF OCCUPANTS (TABLE 1004.1.2):**  
TBD BY INDIVIDUAL TENANTS

**PLUMBING:**  
TBD BY INDIVIDUAL TENANTS

**FIRE CONTROL:**  
FULLY SPRINKLERED BUILDING: NFPA 13  
PORTABLE FIRE EXTINGUISHERS (IBC SECTION 906.3.1)  
HAZARD TYPE = [LOW, MOD, HIGH]  
MAXIMUM AREA = [XX] SF PER "A"  
MAXIMUM DISTANCE (TYPE [A OR B]) = [XX] FEET  
EXTINGUISHER RATING = [X-A-X-B-C]  
NUMBER REQUIRED AT ABOVE RATING = [X]

**EXITS:**  
(2) EXITS PROVIDED AT EACH TENANT BAY

**ACCESSIBILITY:**  
FOLLOW IBC 2015 AND ANSI 117.1 (2009)

## PROJECT GENERAL NOTES:

- CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERING ANY DISCREPANCIES OR CONFLICTING INFORMATION IN THESE DOCUMENTS. CONTRACTOR SHALL CAREFULLY REVIEW AND COMPARE ALL DRAWINGS DURING THE BIDDING PERIOD AND BEFORE INSTALLATION OF THEIR WORK. ANY INCONSISTENCIES IN THE DRAWINGS SHALL BE REPORTED PROMPTLY TO THE ARCHITECT AND ENGINEER(S) FOR CLARIFICATION.
- DO NOT SCALE DRAWINGS. THE DRAWINGS ARE NOT NECESSARILY TO SCALE - USE GIVEN DIMENSIONS. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
- CONTRACTOR SHALL NOTIFY ARCHITECT AND OWNER IMMEDIATELY UPON DISCOVERING ANY UNANTICIPATED EXISTING SITE CONDITIONS AFFECTING THE EXECUTION OF THESE DOCUMENTS (SUCH AS HAZARDOUS MATERIALS, ETC.).
- CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS GOVERNING THIS PROJECT.
- JOB SITE SHALL BE BROOM SWEEPED AND CLEAN AT THE END OF EACH DAY. ALL DEBRIS SHALL BE PICKED UP AND DISPOSED OF PROPERLY INTO APPROVED CONTAINER.
- MAINTAIN DESIGNATED EGRESS ROUTES DURING CONSTRUCTION BY KEEPING CLEAR OF CONSTRUCTION DEBRIS AND CLEARLY MARKING THE PATH OF EGRESS TRAVEL.
- ALL MECHANICAL (HVAC), ELECTRICAL, PLUMBING AND FIRE PROTECTION (MEP & FP) DESIGN AND CONSTRUCTION TO BE BY A DESIGN-BUILD DELIVERY METHOD AND ARE SUBSEQUENTLY NOT PART OF THESE DOCUMENTS. IT IS THE MEP CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE GENERAL CONTRACTOR AND WITH THESE DRAWINGS THE FINAL DESIGN, RETROFIT AND INSTALLATION OF THESE SYSTEMS. NOTIFY THE ARCHITECT PRIOR TO MAKING ANY REVISIONS TO THE STRUCTURE OR ARCHITECTURAL FEATURES.
- HVAC CONTRACTOR SHALL SUBMIT PROPER DESIGN DRAWINGS AS NEEDED FOR PLAN APPROVAL AND BUILDING PERMITS.
- WITHIN THIS DOCUMENT "NORTH, SOUTH, EAST, WEST" ARE REFERRED TO AS PROJECT NORTH AND MAY NOT BE TRUE NORTH.
- ALL EXPOSED WOOD AND/OR WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- PROVIDE GFI OUTLETS NEAR WATER SOURCES AND AS REQUIRED BY IEC.
- PROVIDE FIRE BLOCKING THROUGHOUT BUILDING PER IBC 717.2.
- SUBMIT ALL FIXTURES, APPLIANCES, MATERIALS, SHOP DRAWINGS, PLAN MODIFICATIONS TO THE ARCHITECT FOR REVIEW AND APPROVAL.

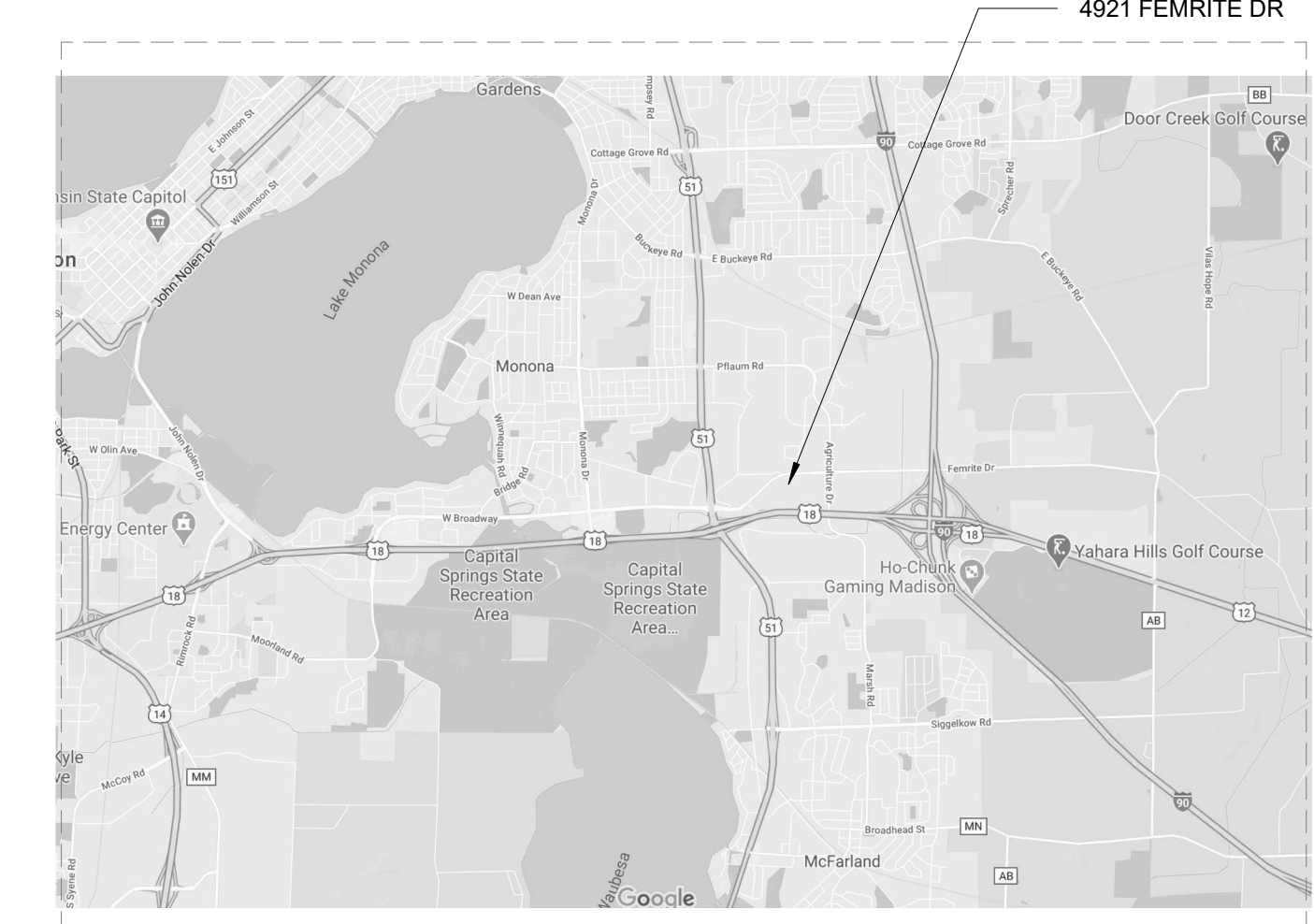
## SHEET INDEX

| SHEET NUMBER  | SHEET NAME                    | REVISIONS |      |
|---------------|-------------------------------|-----------|------|
|               |                               | MARK      | DATE |
| GENERAL       |                               |           |      |
| G001          | COVER SHEET                   |           |      |
| CIVIL         |                               |           |      |
| C201          | SITE PLAN                     |           |      |
| C301          | GRADING PLAN                  |           |      |
| LANDSCAPE     |                               |           |      |
| L101          | LANDSCAPING PLAN              |           |      |
| ARCHITECTURAL |                               |           |      |
| A101          | OVERALL FLOOR AND ROOF PLANS  |           |      |
| A101A         | FLOOR PLAN AREA A & D (REV A) |           |      |
| A101B         | FLOOR PLAN AREA B & C (REV B) |           |      |
| A201          | EXTERIOR ELEVATIONS           |           |      |
| A202          | EXTERIOR ELEVATIONS           |           |      |
| A901          | BUILDING 3D                   |           |      |
| ELECTRICAL    |                               |           |      |
| ES101         | SITE LIGHTING PLAN            |           |      |
| Z0            | DEPTH CUEING EXAMPLES         |           |      |

## ALTERNATE BIDS

| # | SHEET NUMBER | DESCRIPTION |
|---|--------------|-------------|
| 1 | A103         | ABC         |
| 3 | A101         | GHI         |
| 3 | A102         | GHI         |
| 4 | A101         | JKL         |
| 4 | A102         | JKL         |
| 5 | A103         | MNO         |

## PROJECT LOCATION



## BUILDING LOCATION



**FGC FLEX BUILDING**  
 NEW CONSTRUCTION  
 4921 FEMRITE DR.  
 MADISON, WI 53716

## Project Status

|            |             |
|------------|-------------|
| 11/25/2020 | UDC REVIEW  |
| 12/09/2020 | UDC REVISED |

PROJ. #: 20001-01

© SKETCHWORKS  
ARCHITECTURE 2020

COVER SHEET

G001

PRELIMINARY

## PROJECT CONTACTS:

**OWNER:**  
WISCONSIN DATA PARTNERS LLC  
4916 E BROADWAY  
MADISON, WI 53716

**ARCHITECT:**  
SKETCHWORKS ARCHITECTURE, LLC  
7780 ELMWOOD AVE., STE 208  
MIDDLETON, WI 53562

**GENERAL CONTRACTOR:**  
NEWCOMB CONSTRUCTION INC  
999 FOURIER DR STE 102  
MADISON, WI 53717

**CIVIL ENGINEER:**  
WYSER ENGINEERING  
312 EAST MAIN ST  
MOUNT HOREB, WI 53572

**LANDSCAPE ARCHITECT:**  
BRUCE COMPANY  
2830 PARMENTER ST  
MIDDLETON, WI 53562

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

**CONTACT:**  
STEVE SHULFER (ARCHITECT)  
KIRK BIODROWSKI (PM)  
608-836-7570

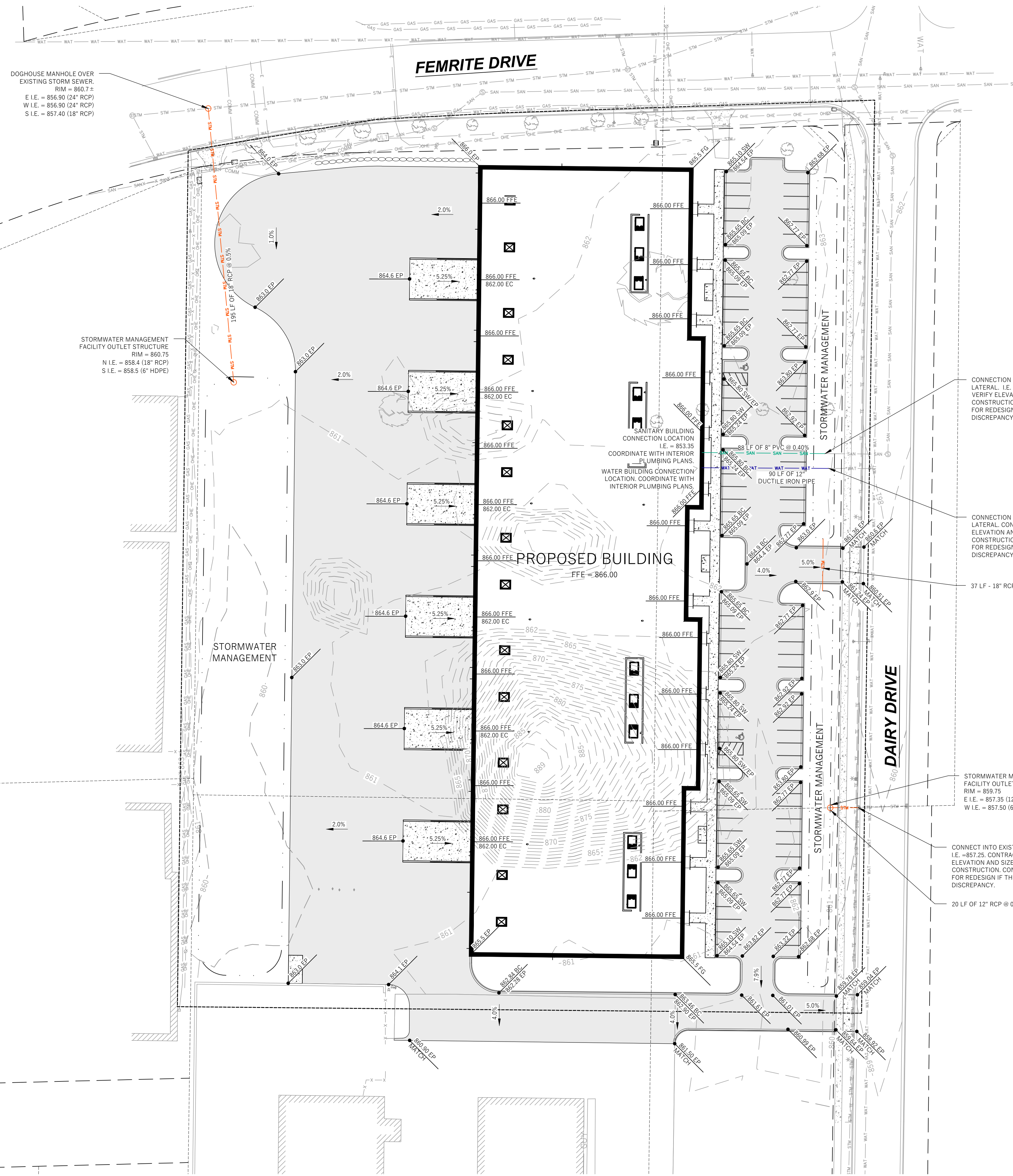
**CONTACT:**  
BRET NEWCOMB (OWNER)  
608-833-5220

**CONTACT:**  
WADE WYSE (OWNER)  
608-437-1980

**CONTACT:**  
RICH STROHMENGER (CONTACT)  
608-410-2284



File: W:\2020\200753\_1\Newcomb - FGC Flex Building\DWG\200753-Civil Design.dwg Layout: Grading Plan User: Adam Plotted: Nov. 17, 2020 - 4:54pm



DOGHOUSE MANHOLE OVER EXISTING STORM SEWER:  
 RIM = 860.7 ±  
 E I.E. = 856.90 (24" RCP)  
 W I.E. = 856.90 (24" RCP)  
 S I.E. = 857.40 (18" RCP)

STORMWATER MANAGEMENT FACILITY OUTLET STRUCTURE:  
 RIM = 860.75  
 N I.E. = 858.4 (18" RCP)  
 S I.E. = 858.5 (6" HDPE)

**FEMRITE DRIVE**

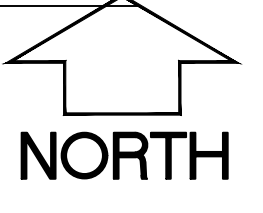
**DAIRY DRIVE**

**PROPOSED BUILDING**  
FFE = 866.00

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

**LEGEND (PROPOSED)**

- PROPERTY BOUNDARY
- - - - EASEMENT
- ▭ BUILDING FOOTPRINT
- ▭ 18" CURB AND GUTTER
- ▭ ASPHALT PAVEMENT
- ▭ CONCRETE PAVEMENT
- 866 MAJOR CONTOUR
- 865 MINOR CONTOUR
- STM STORM SEWER
- 1181.25 EP SPOT GRADE
- DRAINAGE GRADE BREAK
- DRAINAGE ARROW



**GENERAL NOTES**

- UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS SURVEYED BY WYSER ENGINEERING DURING THE WEEK OF OCTOBER 26, 2020. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
- THE BENCHMARK LOCATIONS ARE SHOWN FOR REFERENCE ONLY ON THIS PLAN. THE BENCHMARKS SHALL BE VALIDATED BY A LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. CONTRACTOR ASSUMES RISK ASSOCIATED WITH BENCHMARK ELEVATIONS UNTIL CONFIRMED.
- CONTRACTOR TO OBTAIN APPROPRIATE PERMITS TO WORK WITHIN THE CITY'S LAND IF REQUIRED.
- WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
- IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLETS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

CONNECTION INTO EXISTING 8" SANITARY LATERAL. I.E. = 853.0 ±. CONTRACTOR TO VERIFY ELEVATION AND SIZE PRIOR TO CONSTRUCTION. CONTACT THE ENGINEER FOR REDESIGN IF THERE IS ANY DISCREPANCY.

CONNECTION INTO EXISTING 12" WATER LATERAL. CONTRACTOR TO VERIFY ELEVATION AND SIZE PRIOR TO CONSTRUCTION. CONTACT THE ENGINEER FOR REDESIGN IF THERE IS ANY DISCREPANCY.

STORMWATER MANAGEMENT FACILITY OUTLET STRUCTURE:  
 RIM = 859.75  
 E I.E. = 857.35 (12" RCP)  
 W I.E. = 857.50 (6" HDPE)

CONNECT INTO EXISTING H INLET. I.E. = 857.25. CONTRACTOR TO VERIFY ELEVATION AND SIZE PRIOR TO CONSTRUCTION. CONTACT THE ENGINEER FOR REDESIGN IF THERE IS ANY DISCREPANCY.

20 LF OF 12" RCP @ 0.50%

4921 FEMRITE DRIVE  
MADISON, WI 53716

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FGC FLEX BUILDING

CITY OF MADISON, DANE COUNTY, WI

Sheet Title:  
GRADING & UTILITY PLAN

Revisions:

| No. | Date: | Description: |
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Graphic Scale: 0' 10' 20' 40' 60'

Wyser Number: 20-0753

Set Type: UDC

Date Issued: 11/18/2020

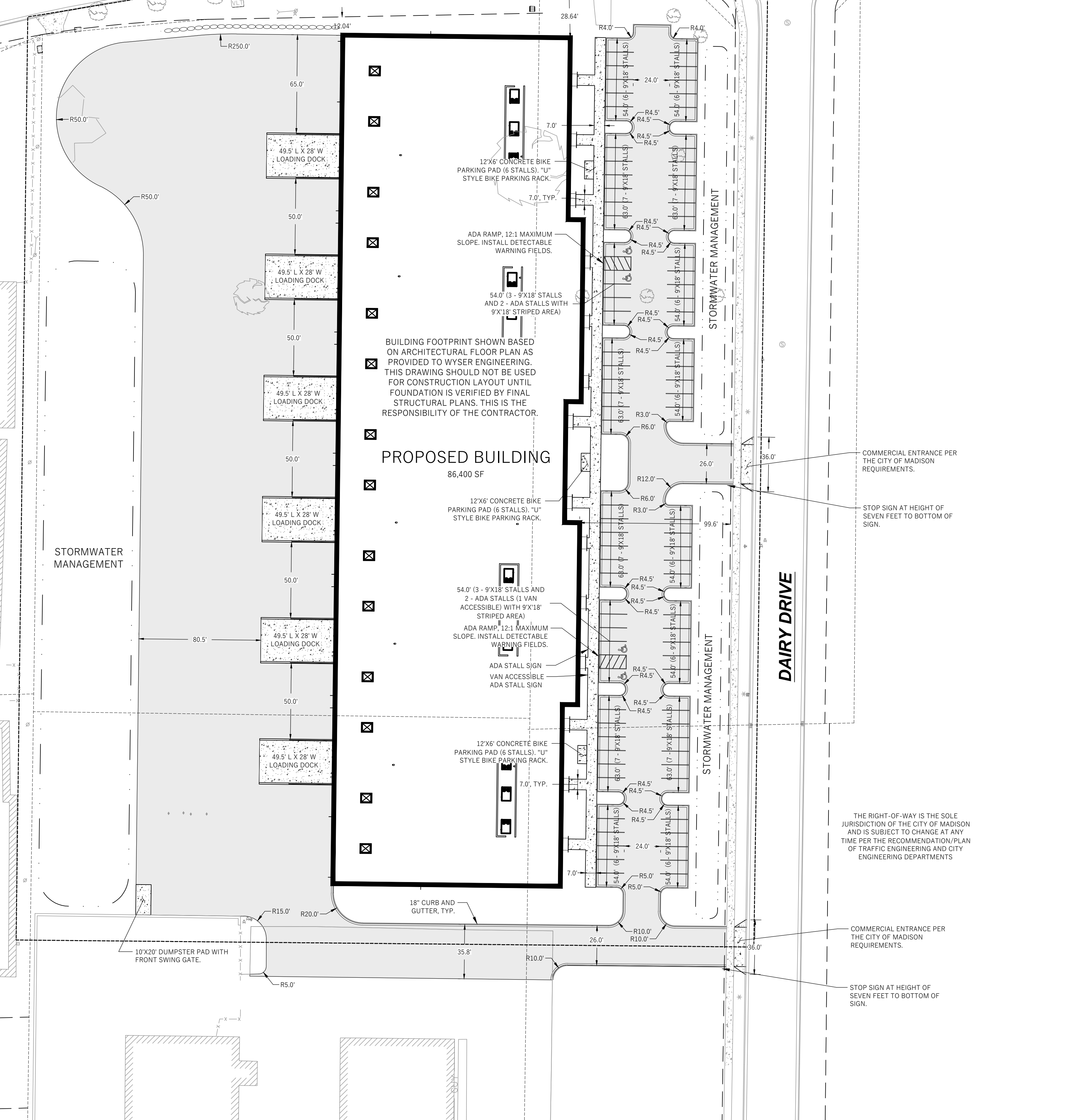
Sheet Number: C200

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

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FEMRITE DRIVE

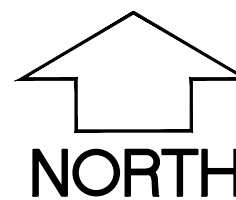
THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS



PROPOSED BUILDING 86,400 SF

LEGEND (PROPOSED)

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



GENERAL NOTES

1. UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS SURVEYED BY WYSER ENGINEERING DURING THE WEEK OF OCTOBER 26, 2020. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
2. THE BENCHMARK LOCATIONS ARE SHOWN FOR REFERENCE ONLY ON THIS PLAN. THE BENCHMARKS SHALL BE VALIDATED BY A LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. CONTRACTOR ASSUMES RISK ASSOCIATED WITH BENCHMARK ELEVATIONS UNTIL CONFIRMED.
3. CONTRACTOR TO OBTAIN APPROPRIATE PERMITS TO WORK WITHIN THE CITY'S LAND IF REQUIRED.
4. WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
5. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
6. ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

SITE INFORMATION BLOCK:

SITE ADDRESS: 4921 FEMRITE DRIVE  
SITE ACREAGE: 6.46 AC  
USE OF PROPERTY: INDUSTRIAL  
ZONING: INDUSTRIAL LIMITED (IL)  
MAXIMUM LOT COVERAGE: 75%

SETBACKS:

FRONT YARD: 0-FEET  
REAR YARD: 30-FEET  
SIDE YARD: 0-FEET

TOTAL NUMBER OF PARKING STALLS: 100  
NUMBER OF STALLS DESIGNATED ACCESSIBLE: 4

TOTAL NUMBER OF BIKE STALLS: 18

EXISTING IMPERVIOUS SURFACE AREA: 0 SQ.FT.

NEW IMPERVIOUS SURFACE AREA: 211,420 SQ.FT.  
ROOFTOP: 86,400 SQ.FT.  
PAVED: 125,020 SQ.FT.

DISTURBANCE LIMITS: 280,000 SQ. FT.  
IMPERVIOUS SURFACE AREA WITHIN DISTURBANCE LIMITS: 211,420 SQ.FT.

FGC FLEX BUILDING

CITY OF MADISON, DANE COUNTY, WI

Sheet Title: SITE PLAN

4921 FEMRITE DRIVE  
MADISON, WI 53716

Revisions:

| No. | Date: | Description: |
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Graphic Scale: 0' 10' 20' 40' 60'

Wyser Number: 20-0753

Set Type: UDC

Date Issued: 11/18/2020

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

Sheet Number: C100

Plant Material List

| Quantity | Code Name | Common Name                  | Scientific Name                    | Planting Size |
|----------|-----------|------------------------------|------------------------------------|---------------|
| 1        | RPM       | Redpointe Red Maple          | Acer Rubrum 'frank Jr.'            | 3" B&B        |
| 5        | FFM       | Fall Fiesta Sugar Maple      | Acer Saccharum 'bailsta'           | 2" B&B        |
| 5        | ABS       | Autumn Brill Serviceberry    | Amelanchier X Grand 'autumn Brill' | 6" B&B        |
| 1        | HRBC      | Heritage River Birch (clp)   | Betula Nigra 'cully' (clp)         | 10' B&B       |
| 2        | CHB       | Common Hackberry             | Celtis Occidentalis                | 2" B&B        |
| 5        | TCHT      | Thnls Cockspur Hawthorn (tf) | Crataegus Crus-Galli Var Iner (tf) | 2" B&B        |
| 6        | SHL       | Skyline Thnls Honeylocust    | Gleditsia Triacan Iner 'skycole'   | 2" B&B        |
| 2        | CCP       | Chanticleer Callery Pear     | Pyrus Calleryana 'chanticleer'     | 2" B&B        |
| 5        | SWO       | Swamp White Oak              | Quercus Bicolor                    | 2" B&B        |
| 4        | PAE       | Princeton Amer Elm           | Ulmus Americana 'princeton'        | 2" B&B        |

| Quantity | Code Name | Common Name        | Scientific Name             | Planting Size |
|----------|-----------|--------------------|-----------------------------|---------------|
| 10       | EWP       | Eastern White Pine | Pinus Strobus               | 5' B&B        |
| 2        | TY        | Taunton Yew        | Taxus X Media 'tauntonii'   | 18" B&B       |
| 34       | TMA       | Techny Arborvitae  | Thuja Occidentalis 'techny' | 6' B&B        |
| 1        | CNH       | Canadian Hemlock   | Tsuga Canadensis            | 5' B&B        |

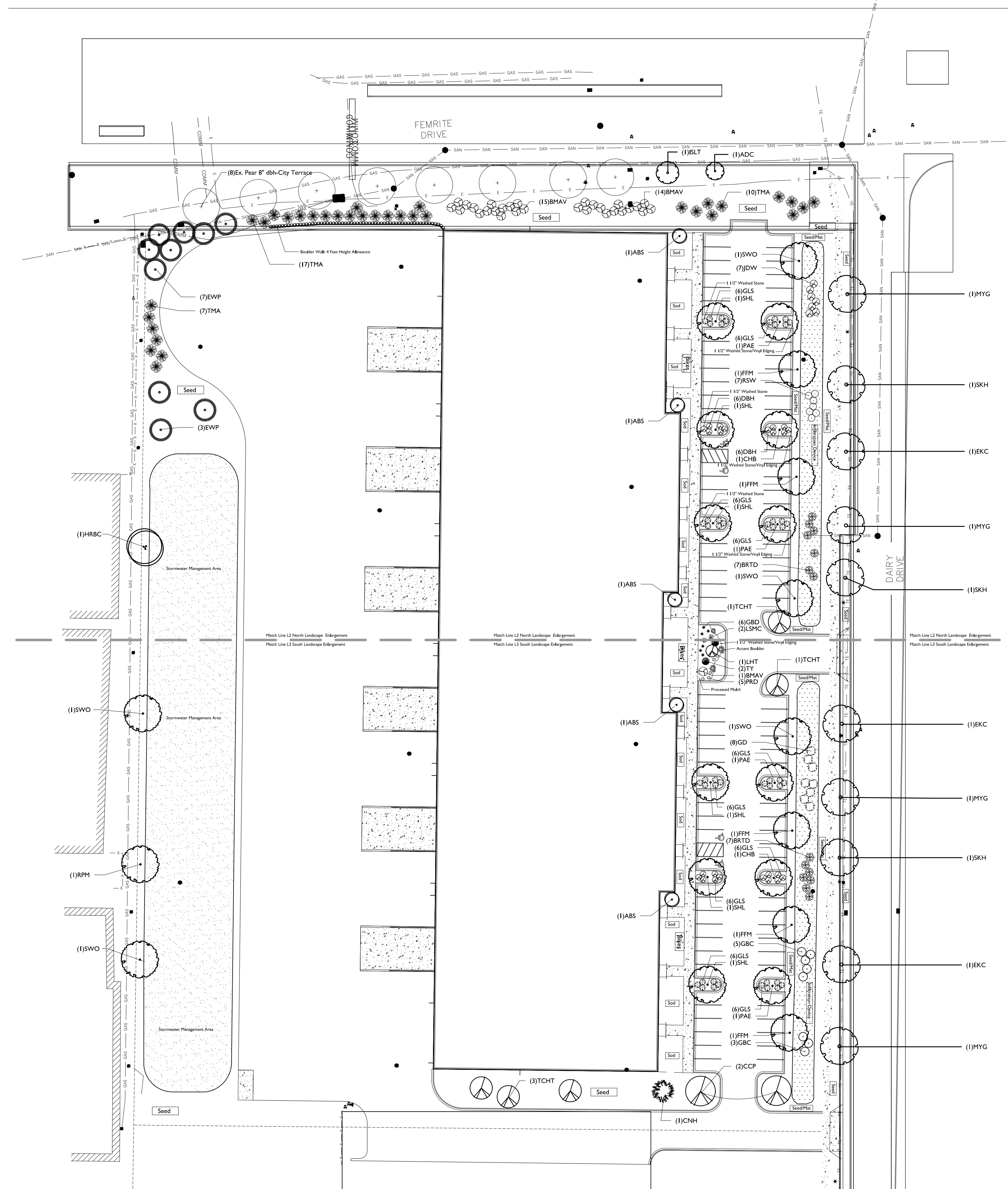
| Quantity | Code Name | Common Name           | Scientific Name              | Planting Size |
|----------|-----------|-----------------------|------------------------------|---------------|
| 6        | GBD       | Going Bananas Daylily | Hemerocallis 'going Bananas' | #1 CONT.      |
| 5        | PRD       | Prairie Dropseed      | Sporobolus Heterolepis       | #1 CONT.      |

| Quantity | Code Name | Common Name                 | Scientific Name                       | Planting Size |
|----------|-----------|-----------------------------|---------------------------------------|---------------|
| 2        | LSMC      | Low Scape Mound Chokeberry  | Aronia Melanocarpa 'uconnam165'       | #3 CONT.      |
| 8        | GBC       | Glossy Black Chokeberry     | Aronia Melanocarpa Var Elata          | #5 CONT.      |
| 14       | BRTD      | Bailey Red Twiggged Dogwood | Cornus Bailey                         | #5 CONT.      |
| 8        | GD        | Gray Dogwood                | Cornus Racemosa                       | #5 CONT.      |
| 24       | DBH       | Dwf Bush-Honeysuckle        | Diervilla Lonicera                    | #5 CONT.      |
| 1        | LHT       | Limelight Hydrangea (tf)    | Hydrangea Paniculata 'limelight' (tf) | 2" B&B        |
| 7        | JDW       | Jim Dandy Winterberry       | Ilex Verticillata 'jim Dandy'         | #5 CONT.      |
| 7        | RSW       | Red Sprite Winterberry      | Ilex Verticillata 'red Sprite'        | #5 CONT.      |
| 48       | GLS       | Gro-Low Fragrant Sumac      | Rhus Aromatica 'gro-Low'              | #2 CONT.      |
| 30       | BMAV      | Blue Muffin Arwd Viburnum   | Viburnum Dentatum 'christom'          | #5 CONT.      |

### BIO-RETENTION / INFILTRATION DEVICE PLANT LIST

| Quantity                  | Common Name            | Scientific Name         | Planting Size | Plant Spacing (Total Basin Area = 7,850 SF)<br>(Planting schedule based on 12" on center spacing) |
|---------------------------|------------------------|-------------------------|---------------|---|
| <b>GRASSES AND SEDGES</b> |                        |                         |               |   |
| 992                       | VIRGINIA WILD RYE      | ELYMUS VIRGINICUS       | 2.5" POT      | 12" O.C. Rect. Spacing  |
| 992                       | SWITCH GRASS           | PANICUM VIRGATUM        | 2.5" POT      | 12" O.C. Rect. Spacing  |
| 992                       | LITTLE BLUESTEM        | SCHIZACHYRIUM SCOPARIUM | 2.5" POT      | 12" O.C. Rect. Spacing  |
| 992                       | INDIAN GRASS           | SORBASTRUM NUTANS       | 2.5" POT      | 12" O.C. Rect. Spacing  |
| <b>FORBS</b>              |                        |                         |               |   |
| 320                       | NEW ENGLAND ASTER      | ASTER NOVAE-ANGLIAE     | 2.5" POT      | 12" O.C. Rect. Spacing  |
| 320                       | PURPLE CONEFLOWER      | ECHINACEA PURPUREA      | 2.5" POT      | 12" O.C. Rect. Spacing  |
| 320                       | FALSE SUNFLOWER        | HELIOPSIS HELIANTHODIES | 2.5" POT      | 12" O.C. Rect. Spacing  |
| 320                       | WILD IRIS              | IRIS VIRGINIANA SHREVEI | 2.5" POT      | 12" O.C. Rect. Spacing  |
| 320                       | CARDINAL FLOWER        | LOBELIA CARDINALIS      | 2.5" POT      | 12" O.C. Rect. Spacing  |
| 320                       | BERGAMOT               | MONARDA FISTULOSA       | 2.5" POT      | 12" O.C. Rect. Spacing  |
| 320                       | SWEET BLACK-EYED SUSAN | RUDBECKIA SUBTOMENTOSA  | 2.5" POT      | 12" O.C. Rect. Spacing  |
| 320                       | STIFF GOLDENROD        | SOLIDAGO RIGIDA         | 2.5" POT      | 12" O.C. Rect. Spacing  |

- GENERAL NOTES**
- A) Areas labeled "Hardwood Processed Mulch", spread to a 3" depth over pre-emergent herbicide.
  - B) Individual trees (and shrub groupings) found along perimeter of property as well as those found within lawn areas to receive processed hardwood mulch rings (and wood mulch beds), spread to a minimum 3" depth (3' wide beds for shrub groupings).
  - C) "Vinyl Edging" to be Valley View Black Diamond Vinyl Edging or equivalent.
  - D) Areas labeled "washed stone" to receive 1-1/2" washed stone spread to a 3" depth over fabric weed barrier.
  - E) "Seed" areas shall be finish-graded and seeded at a rate of 4 lbs. per 1,000 sq. ft.
  - F) Seed shall consist of the following mixture:
    - 10% Palmer IV Perennial Ryegrass
    - 20% Dragon Kentucky Bluegrass
    - 20% Diva Kentucky Bluegrass
    - 20% Foxy II Creeping Red Fescue
    - 15% Vail II Perennial Ryegrass
    - 15% Gimney Kentucky Bluegrass
  - G) Areas labeled "Seed/Mat" shall be seeded with the above-noted premium lawn seed mixture and overlaid with D575 straw erosion control netting that is then pegged into the soil with metal staples.
  - H) Areas labeled "Sod" shall receive only No. 1 grade nursery-grown bluegrass sod.
  - I) Plant beds adjacent to building foundation to be mulched with 1-1/2" diameter washed stone mulch spread to a 3" depth over fabric weed barrier.
  - J) All proposed street tree removals within the right of way shall be reviewed by City Forestry before the Plan Commission meeting. Street tree removals require approval and a tree removal permit issued by City Forestry. Any street tree removals requested after the development plan is approved by the Plan Commission or the Board of Public Works and City Forestry will require a minimum of a 72-hour review period which shall include the notification of the Alderperson within who's district is affected by the street tree removal(s) prior to a tree removal permit being issued.
  - K) On this project, existing street tree protection zone is required. Contractor shall install tree protection fencing in the area between the curb and sidewalk and extend it at least 5 feet from both sides of the tree along the length of the terrace. The fencing shall be erected before the demolition, grading or construction begins. No excavation is permitted within 5 feet of the outside edge of the tree trunk. Do not remove the fencing to allow for deliveries or equipment access through the tree protection zone. If excavation within 5 feet of any tree is necessary, contractor shall contact City Forestry (608)266-4816 prior to excavation to assess the impact to the tree and root system. Tree pruning shall be coordinated with City Forestry. Tree protection specifications can be found in section 107.13 of City of Madison Standard Specifications for Public Works Construction: <http://www.cityofmadison.com/business/pw/documents/StdSpecs/2013/Part1.pdf>.
  - L) Contractor shall contact City Forestry (608)266-4816 at least one week prior to installing street trees to schedule inspection and approval of the nursery stock and review planting specifications with the landscaper. City Forestry will determine the final location of the plantings in the right of way at this time.



| Quantity | Code Name | Common Name                    | Scientific Name                      | Planting Size |
|----------|-----------|--------------------------------|--------------------------------------|---------------|
| 4        | MYG       | Magyar Ginkgo                  | Ginkgo Biloba 'magyar'               | 1 1/2" B&B    |
| 3        | SKH       | Street Keeper Honeylocust      | Gleditsia Triacan 'draves'           | 1 1/2" B&B    |
| 3        | EKC       | Espresso Kentucky Coffeetree   | Gymnocladus Dioicus 'espresso-jfs'   | 1 1/2" B&B    |
| 1        | ADC       | Adirondack Crabapple           | Malus 'adirondack'                   | 1 1/2" B&B    |
| 1        | ISLT      | Ivory Silk Japanese Lilac (tf) | Syringa Reticulata 'Ivory Silk' (tf) | 1 1/2" B&B    |

Richard J. Stromwieser  
 Landscape Architect  
 LA-85  
 OREGON, WI  
 11-30-20

SCALE: 1" = 40'-0"

**the brace company**  
 OF WISCONSIN, INC.  
 LANDSCAPE ARCHITECTS  
 LANDSCAPE CONTRACTORS  
 2830 PARKER STREET  
 P.O. BOX 620330  
 MIDDLETON, WI 53562-0330  
 TEL (608) 836-7941  
 FAX (608) 831-6266

**FGC FLEX BUILDING**  
 DAIRY DRIVE  
 MADISON, WISCONSIN 53716

Checked By: SS  
 Drawn By: 11/30/20 RS

Revised:  
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 Revised:  
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**L1**

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11/30/2020 CAD/STEVIE SHORTYFGC-FLEX-2021.DWG Created: 11/30/2020, Saved: 11/30/2020, Printed: 11/30/2020

**FGC FLEX BUILDING**  
DAIRY DRIVE  
MADISON, WISCONSIN 53716

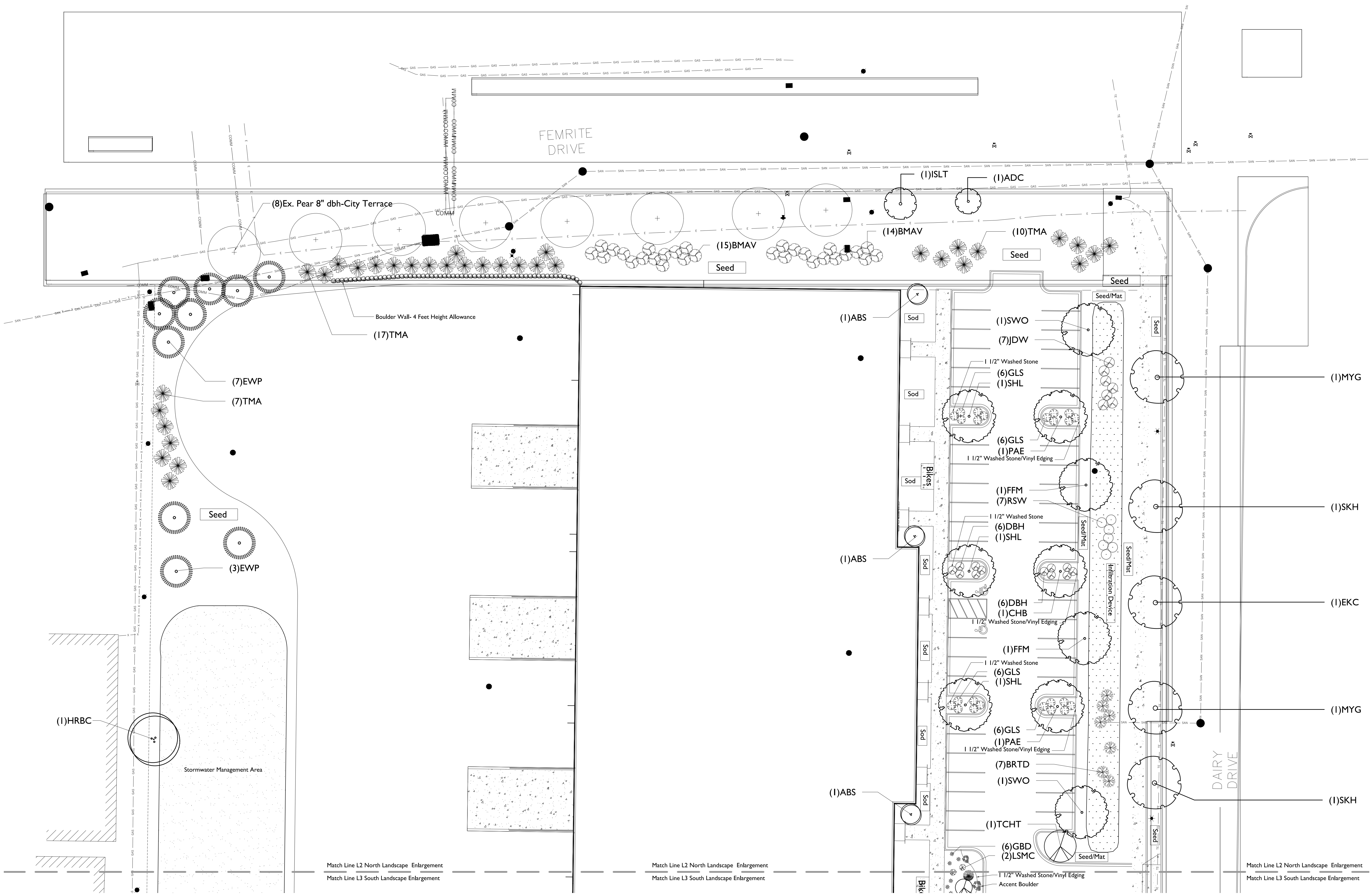
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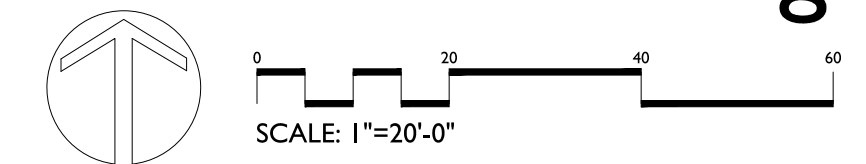
**L2**

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1/3/2020 CAUSTEVE SHORTYFGC-FLEX-30C1.DWG Created: 11/20/2020, Saved: 11/30/2020, Printed: 11/30/2020



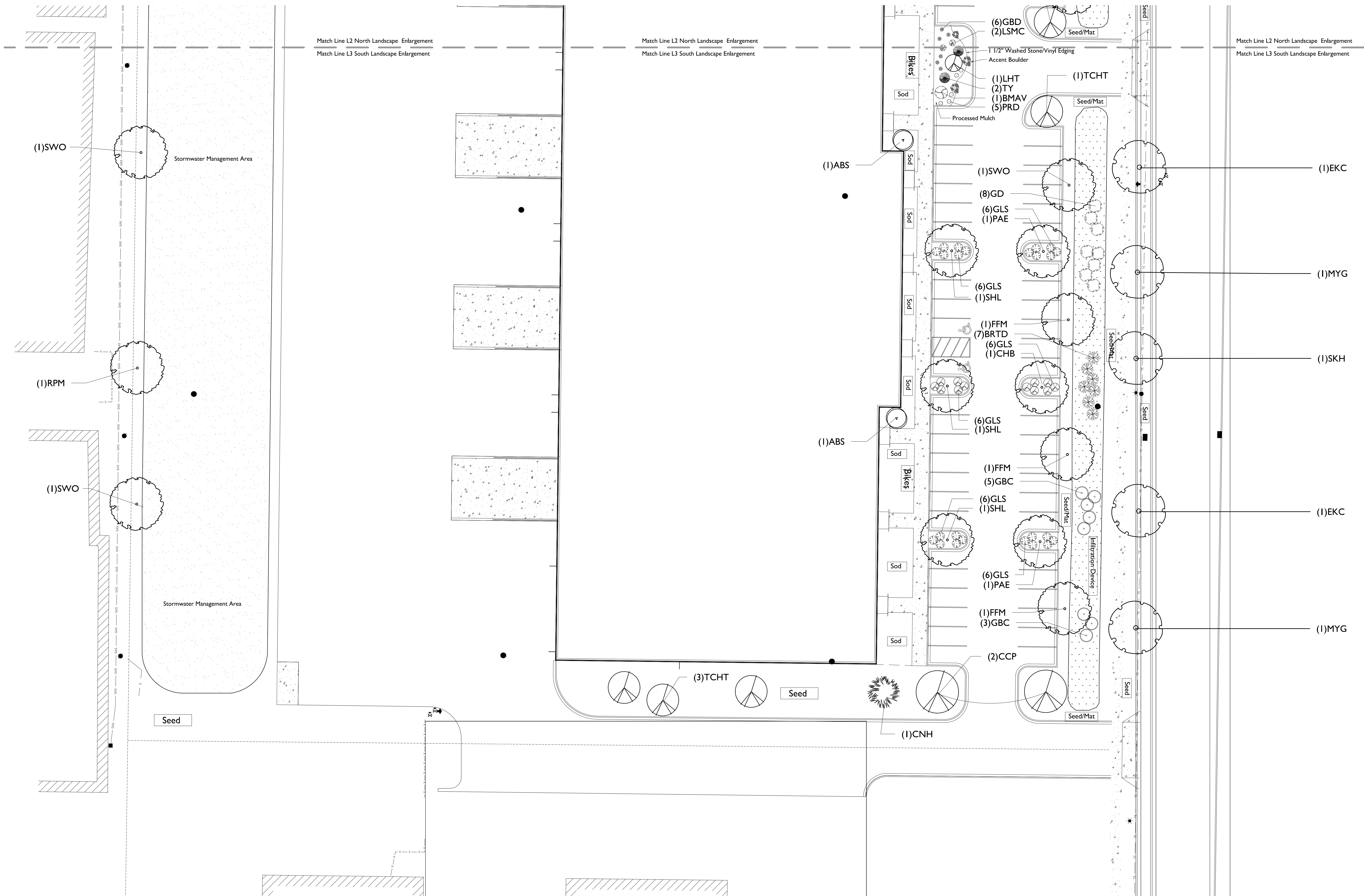
**North Enlargement**



Match Line L2 North Landscape Enlargement  
Match Line L3 South Landscape Enlargement

Match Line L2 North Landscape Enlargement  
Match Line L3 South Landscape Enlargement

Match Line L2 North Landscape Enlargement  
Match Line L3 South Landscape Enlargement



**FGC FLEX BUILDING**
  
 DAIRY DRIVE
   
 MADISON, WISCONSIN 53716

Checked By: SS
   
 Drawn By: 11/30/20
   
 RS

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**L3**

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# MADISON LANDSCAPE WORKSHEET

Zoning district is IL

Total square footage of developed area ..... 125,020 SF

Total square footage of developed area ÷ 100 square feet = ..... 1,250 Landscape Units

Total square footage of 0 additional acres of developed area ÷ 100 square feet = ..... 0 Landscape Units

## NUMBER OF LANDSCAPE POINT REQUIRED

1,647 Landscape Units x 1 landscape points ..... 1,250 points

0 Landscape Units x 1 landscape point for additional \_\_\_\_\_ acres ..... 0 points

**TOTAL LANDSCAPE POINTS REQUIRED..... 1,250 points**

| PLANT TYPE or ELEMENT  | Point Value     | NEW  |                 | EXISTING |                 |         |
|--|-----------------|------|-----------------|----------|-----------------|---------|
|  |                 | Qty. | Points Achieved | Qty.     | Points Achieved |         |
| Overstory Deciduous Tree : 2-1/2" (dbh)                            | 35              | 26   | 910             |          |                 |         |
| Tall Evergreen Tree : 5-6 feet tall                                | 35              | 7    | 245             |          |                 |         |
| Ornamental Tree : 1-1/2" Caliper (dbh)                             | 15              | 10   | 150             |          |                 |         |
| Upright Evergreen Shrub : 3-4 feet tall                            | 10              | 17   | 170             |          |                 |         |
| Shrub, deciduous : 3 gallon / 12"-24"                              | 3               | 52   | 156             |          |                 |         |
| Shrub, evergreen : 3 gallon / 12"-24"                              | 4               | 2    | 8               |          |                 |         |
| Ornamental grass/perennial : 1gallon / 8"-18"                      | 2               | 11   | 22              |          |                 |         |
| Ornamental / Decorative fencing or wall                            | 4 per 10 l.f.   |      |                 |          |                 |         |
| Existing significant specimen tree                                 | 14 per Cal. In. |      |                 |          |                 |         |
| Landscape furniture for public seating and /or transit connections | 5 per 'seat'    |      |                 |          |                 |         |
| Sub Totals   |                 |      | 1,641           | +        | NA              | = 1,641 |

### Street Frontage Landscape Required

Street Frontage = 1,114 LF

Canopy Trees Required: 1 per 30 LF Frontage = ..... 37

Shrubs Required : 5 per 30 LF Frontage = ..... 185

### Street Frontage Landscape Supplied

Proposed Canopy Trees = 37

Proposed Shrubs = 185



LANDSCAPE ARCHITECTS  
LANDSCAPE CONTRACTORS

2830 PARMENTER STREET  
P.O. BOX 620330  
MIDDLETON, WI 53562-0330

TEL (608) 836-7041  
FAX (608) 831-6266

**FGC FLEX BUILDING**

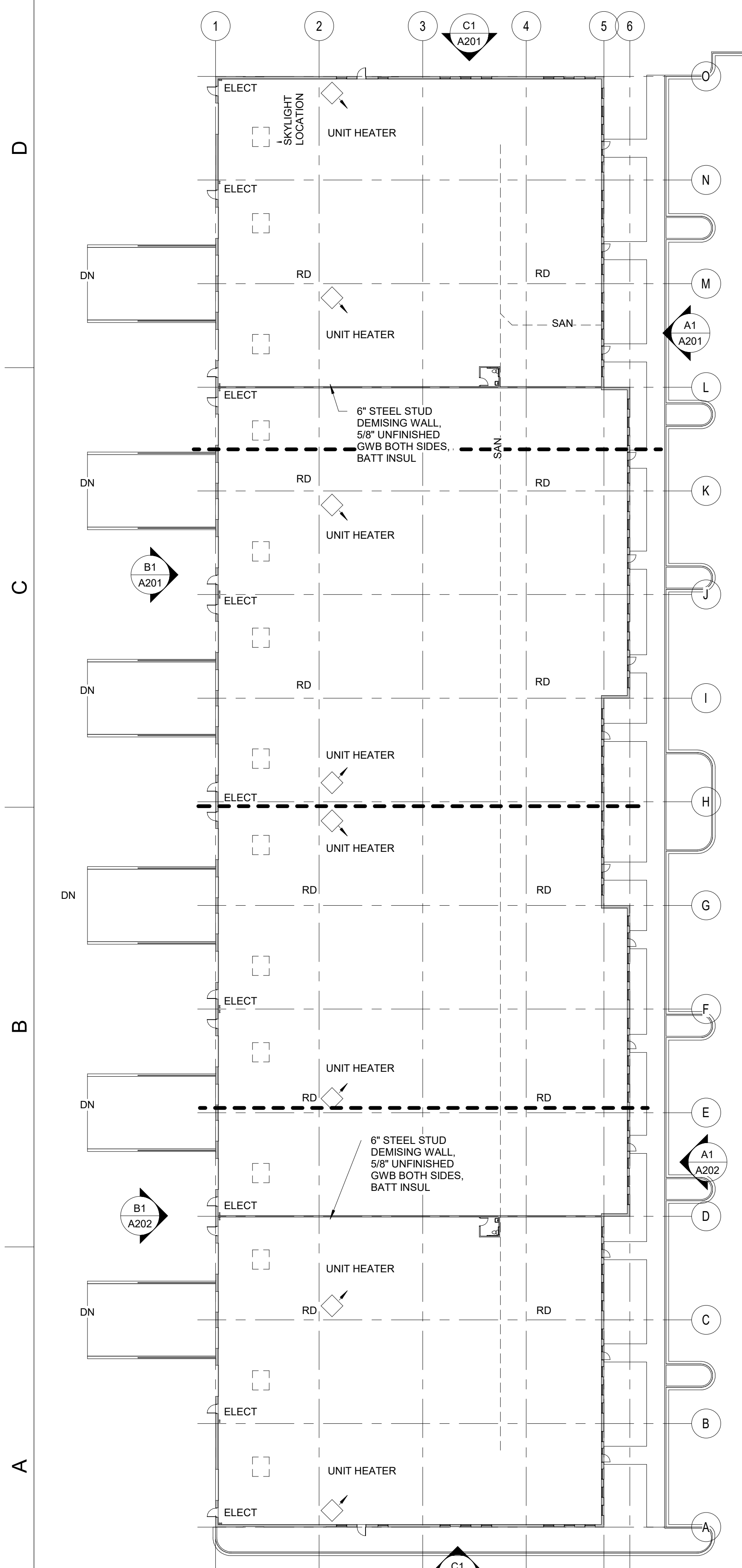
DAIRY DRIVE  
MADISON, WISCONSIN 53716

Checked By: SS  
Drawn By: 11/30/20  
RS

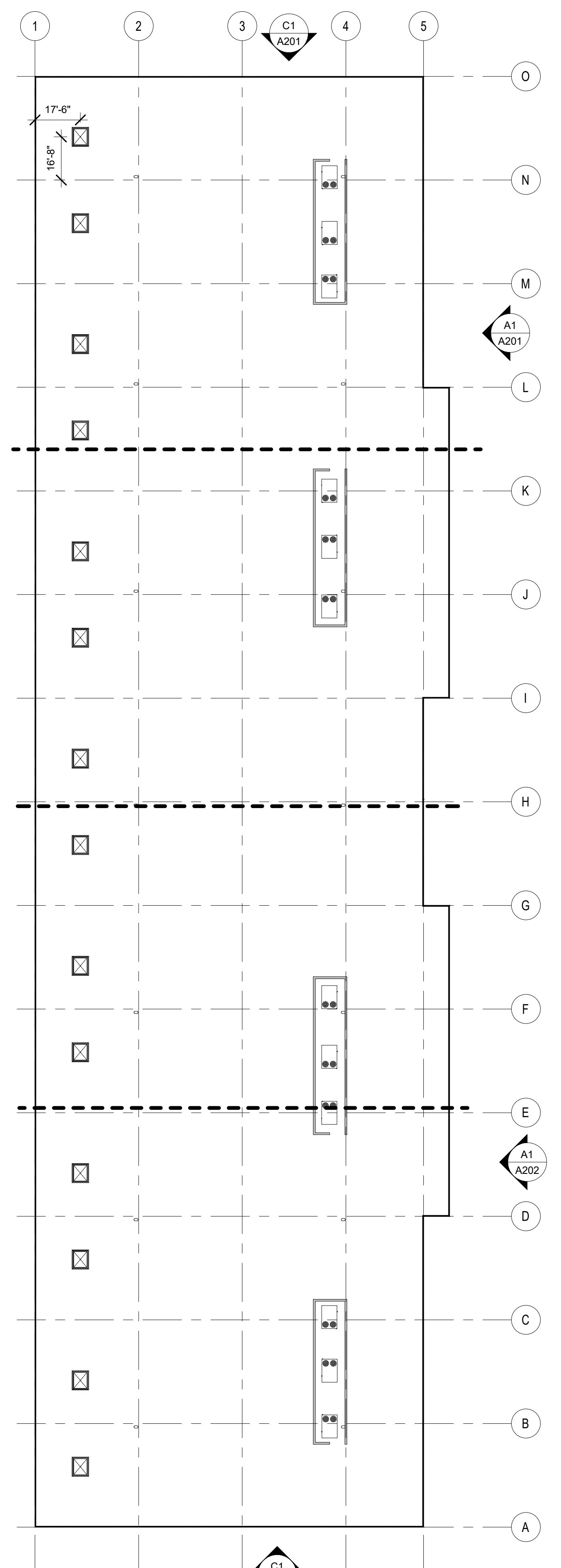
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Revised:

**L4**

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**A1 FLOOR PLAN OVERALL**  
1" = 30'-0"



**A3 ROOF PLAN OVERALL**  
1" = 30'-0"

**GENERAL PLAN NOTES:**

- A. MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION IMPROVEMENTS TO BE DESIGN BUILT, UNLESS NOTED OTHERWISE. DESIGNED AS REQUIRED BY CURRENT BUILDING CODES. MECHANICAL DESIGN BUILT CONTRACTOR(S) RESPONSIBLE FOR ENSURING CODE COMPLIANT CONSTRUCTION OF NEW SYSTEMS IN TENANT SPACES.
- B. PROVIDE SOUND INSULATION IN ALL EXISTING WALLS AND INTERIOR WALLS, UNLESS NOTED OTHERWISE.
- C. PROVIDE MOISTURE RESISTANT GWB AT ALL PLUMBING WALLS.
- D. PROVIDE ACCESSIBLE TOILET ROOM FIXTURES AND ACCESSORIES PER MOUNTING HEIGHTS INDICATED ON SHEET A002.
- E. PROVIDE 2x4x8x12 GRAB BAR AT ALL GRAB BAR LOCATIONS PER ADA 117.1 2009.
- F. PROVIDE ADA APPROVED THRESHOLDS AT ALL NEW FLOOR TRANSITIONS AND DOORWAYS.
- G. EXTERIOR DIMENSIONS ARE FROM GRIDLINE TO GRIDLINE OR TO EDGE OF FOUNDATION WALL UNLESS NOTED OTHERWISE. PLEASE CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- H. INTERIOR DIMENSIONS FOR NEW CONSTRUCTION ARE TO FACE OF FRAME OR COLUMN CENTERLINE UNLESS NOTED OTHERWISE. ALL DIMENSIONS FROM EXISTING WALLS ARE FROM FINISH FACE UNLESS NOTED OTHERWISE.
- I. VERIFY ALL EXISTING CONDITIONS AND ADJUST WALL DIMENSIONS ACCORDINGLY. CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- J. CONTRACTOR SHALL NOTIFY ARCHITECT, ENGINEER AND OWNER IMMEDIATELY UPON DISCOVERING ANY UNANTICIPATED STRUCTURAL CONDITIONS OR DISCREPANCIES WITH PROPOSED MODIFICATIONS.
- K. FIRE EXTINGUISHER CABINETS SHALL BE RATED TO MEET THE ASSOCIATED WALL FIRE RATING.
- L. GENERAL CONTRACTOR TO SECURE CONSTRUCTION AREA DURING CONSTRUCTION WORK. SEAL ALL DOORS AS REQUIRED. CONSTRUCT AND MAINTAIN A FLOOR TO CEILING DUST BARRIER, TO PROVIDE SEPARATION FOR DUST, DEBRIS AND SOUND.
- M. GENERAL CONTRACTOR TO COORDINATE CONSTRUCTION SCHEDULE TO MINIMIZE IMPACT ON EXISTING BUILDING OPERATIONS AND PLANNED EVENTS. CONSTRUCTION SPACE MUST BE CLEAN AND AVAILABLE FOR USE PERIODICALLY PER OWNER'S REQUEST. VERIFY SCHEDULED EVENTS WITH OWNER PRIOR TO CONSTRUCTION START AND ARRANGE CONSTRUCTION SCHEDULE TO MEET OWNER'S NEEDS. COORDINATE SYSTEMS AND UTILITY SHUT DOWNS WITH OWNER PRIOR TO COMMENCEMENT OF WORK.
- N. SUBMIT ALL FINISHES TO THE ARCHITECT FOR APPROVAL.

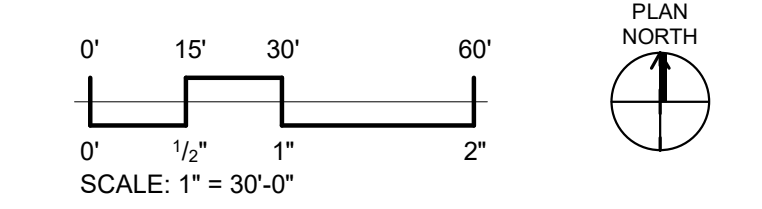
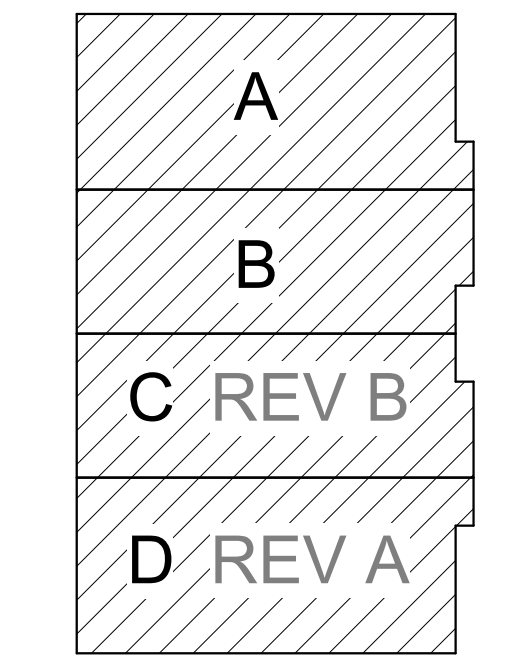
**PLAN KEYNOTES:**

- 1 ABC
- 2 DEF

**HATCH PATTERN KEY:**

- NEW CONSTRUCTION
- EXISTING CONSTRUCTION

**KEY PLAN**



**FGC FLEX BUILDING**  
NEW CONSTRUCTION  
4921 FEMRITE DR.  
MADISON, WI 53716

**Project Status**

| Date       | Activity   |
|------------|------------|
| 11/25/2020 | UDC REVIEW |
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PROJ. #: 20001-01

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**OVERALL FLOOR AND ROOF PLANS**

**A101**

1

2

3

4

1

2

3

4

5

6

40'-0" 40'-0" 40'-0" 30'-0" 10'-0"

160'-0"

C1 A201

ELECT

ELECT

B3 A301

A1 A301

RD

RD

UNIT HEATER

SAN

6" STEEL STUD DEMISING WALL, 5/8" UNFINISHED GWB BOTH SIDES, BATT INSUL

S4A-B

S4A-B

S4A-B

A1 A301

M

A1 A201

L

A1 / A101B MATCHLINE

A1 / A101B MATCHLINE

**A1** FLOOR PLAN  
1/8" = 1'-0"



**GENERAL PLAN NOTES:**

- A. MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION IMPROVEMENTS TO BE DESIGN BUILD, UNLESS NOTED OTHERWISE. DESIGNED AS REQUIRED BY CURRENT BUILDING CODES. MECHANICAL DESIGN BUILD CONTRACTOR(S) RESPONSIBLE FOR ENSURING CODE COMPLIANT CONSTRUCTION OF NEW SYSTEMS IN TENANT SPACES.
- B. PROVIDE SOUND INSULATION IN ALL DEMISING WALLS AND INTERIOR WALLS, UNLESS NOTED OTHERWISE.
- C. PROVIDE MOISTURE RESISTANT GWB AT ALL PLUMBING WALLS.
- D. PROVIDE ACCESSIBLE TOILET ROOM FIXTURES AND ACCESSORIES PER MOUNTING HEIGHTS INDICATED ON SHEET A002.
- E. PROVIDE 2x 4x 8x 12 JOISTING AT ALL GRAB BAR LOCATIONS PER IBC 117.1.2009
- F. PROVIDE ADA APPROVED THRESHOLDS AT ALL NEW FLOOR TRANSITIONS AND DOORWAYS.
- G. EXTERIOR DIMENSIONS ARE FROM GRIDLINE TO GRIDLINE OR TO EDGE OF FOUNDATION WALL UNLESS NOTED OTHERWISE. PLEASE CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- H. INTERIOR DIMENSIONS FOR NEW CONSTRUCTION ARE TO FACE OF FRAME OR COLUMN CENTERLINE UNLESS NOTED OTHERWISE. ALL DIMENSIONS FROM EXISTING WALLS ARE FROM FINISH FACE UNLESS NOTED OTHERWISE.
- I. VERIFY ALL EXISTING CONDITIONS AND ADJUST WALL DIMENSIONS ACCORDINGLY. CONTACT ARCHITECT WITH ANY DISCREPANCIES.
- J. CONTRACTOR SHALL NOTIFY ARCHITECT, ENGINEER AND OWNER IMMEDIATELY UPON DISCOVERING ANY UNANTICIPATED STRUCTURAL CONDITIONS OR DISCREPANCIES WITH PROPOSED MODIFICATIONS.
- K. FIRE EXTINGUISHER CABINETS SHALL BE RATED TO MEET THE ASSOCIATED WALL FIRE RATING.
- L. GENERAL CONTRACTOR TO SECURE CONSTRUCTION AREA DURING CONSTRUCTION WORK. SEAL ALL DOORS AS REQUIRED. CONSTRUCT AND MAINTAIN A FLOOR TO CEILING DUST BARRIER, TO PROVIDE SEPARATION FOR DUST, DEBRIS AND SOUND.
- M. GENERAL CONTRACTOR TO COORDINATE CONSTRUCTION SCHEDULE TO MINIMIZE IMPACT ON EXISTING BUILDING OPERATIONS AND PLANNED EVENTS. CONSTRUCTION SPACE MUST BE CLEAN AND AVAILABLE FOR USE PERIODICALLY PER OWNER'S REQUEST. VERIFY SCHEDULED EVENTS WITH OWNER PRIOR TO CONSTRUCTION START AND ARRANGE CONSTRUCTION SCHEDULE TO MEET OWNER'S NEEDS. COORDINATE SYSTEMS AND UTILITY SHUT DOWNS WITH OWNER PRIOR TO COMMENCEMENT OF WORK.
- N. SUBMIT ALL FINISHES TO THE ARCHITECT FOR APPROVAL.

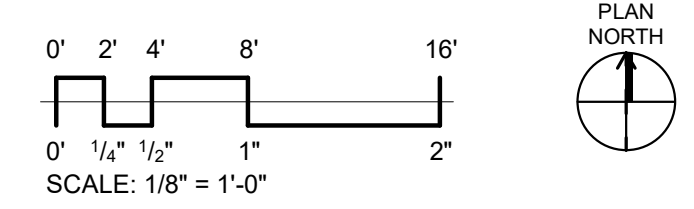
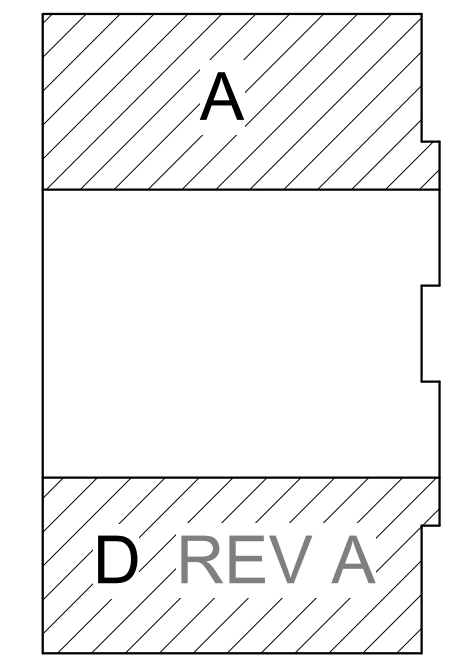
**# PLAN KEYNOTES:**

1

**HATCH PATTERN KEY:**

-  NEW CONSTRUCTION
-  EXISTING CONSTRUCTION

**KEY PLAN**



**Project Status**

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| 11/25/2020 | UDC REVIEW |
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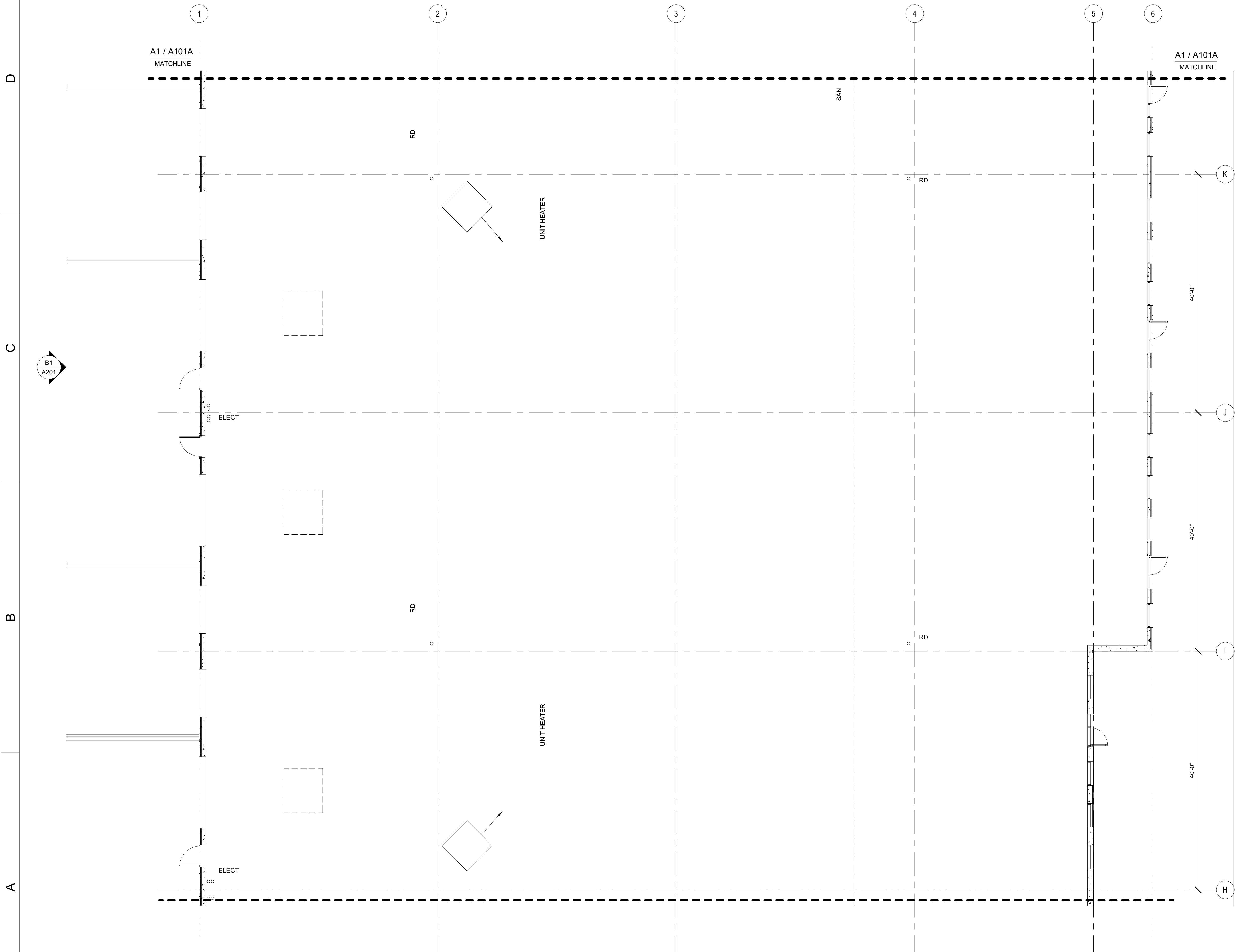
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**FLOOR PLAN  
AREA A & D  
(REV A)**

**A101A**

**PRELIMINARY**





**A1** FLOOR PLAN  
1/8" = 1'-0"

**GENERAL PLAN NOTES:**

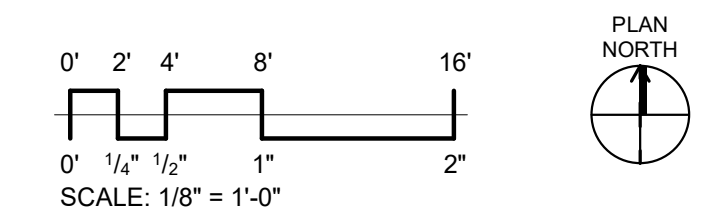
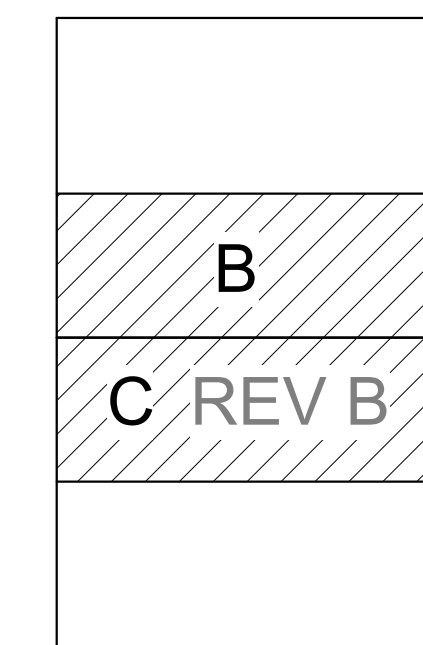
- A. MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION IMPROVEMENTS TO BE DESIGN BUILD, UNLESS NOTED OTHERWISE. DESIGNED AS REQUIRED BY CURRENT BUILDING CODES. MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DESIGN BUILD CONTRACTOR(S) RESPONSIBLE FOR ENSURING CODE COMPLIANT CONSTRUCTION OF NEW SYSTEMS IN TENANT SPACES.
- B. PROVIDE SOUND INSULATION IN ALL OF EXISTING WALLS AND INTERIOR WALLS, UNLESS NOTED OTHERWISE.
- C. PROVIDE MOISTURE RESISTANT GWB AT ALL PLUMBING WALLS.
- D. PROVIDE ACCESSIBILITY TO ALL ROOM FIXTURES AND ACCESSORIES PER MOUNTING HEIGHTS INDICATED ON SHEET A002.
- E. PROVIDE 2x4 BRACING AT ALL GRAB BAR LOCATIONS PER IBC A117.1 2009.
- F. PROVIDE ADA APPROVED THRESHOLDS AT ALL NEW FLOOR TRANSITIONS AND DOORWAYS.
- G. EXTERIOR DIMENSIONS ARE FROM GRIDLINE TO GRIDLINE OR TO EDGE OF FOUNDATION WALL UNLESS NOTED OTHERWISE. PLEASE CONTACT ARCHITECT WITH ANY DISCREPANCIES.
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- N. SUBMIT ALL FINISHES TO THE ARCHITECT FOR APPROVAL.

**# PLAN KEYNOTES:**  
1

**HATCH PATTERN KEY:**

- NEW CONSTRUCTION
- EXISTING CONSTRUCTION

**KEY PLAN**



**FGC FLEX BUILDING**  
NEW CONSTRUCTION  
4921 FEMRITE DR.  
MADISON, WI 53716

**Project Status**

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| 11/25/2020 | UDC REVIEW |
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**FLOOR PLAN AREA B & C (REV B)**

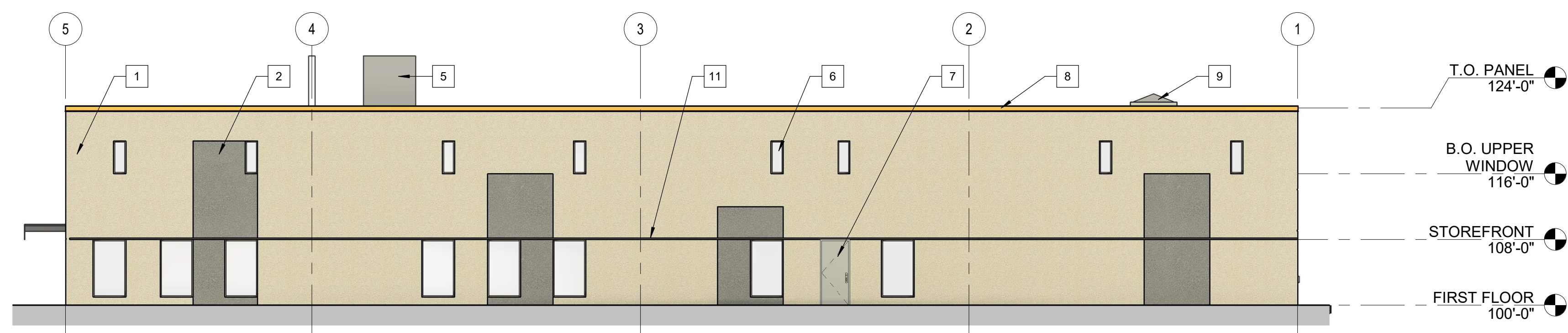
**A101B**

**PRELIMINARY**

| EXTERIOR MATERIAL SCHEDULE |  |              |              |         |        |       |                                  |
|----------------------------|--|--------------|--------------|---------|--------|-------|----------------------------------|
| #                          | DESCRIPTION                                | MANUFACTURER | TYPE/STYLE   | COLOR   | HEIGHT | WIDTH | COMMENTS                         |
| 1                          | CONCRETE TILT-UP SANDBLASTED               | NA           | SANDBLASTED  | WHITE   |        |       |                                  |
| 2                          | RECESSED BOARD FORMED CONCRETE PAINTED     | NA           | BOARD FORMED | GREY    |        |       | PAINT TO MATCH PAC CLAD CHARCOAL |
| 3                          | RECESSED BOARD FORMED CONCRETE SANDBLASTED | NA           | SANDBLASTED  | WHITE   |        |       |                                  |
| 4                          | CONCRETE TILT-UP PAINTED                   | NA           | PAINTED      | GREY    |        |       | PAINT TO MATCH PAC CLAD CHARCOAL |
| 5                          | METAL PANEL                                | PAC CLAD     | BOX RIB 1    | GREY    |        |       | CHARCOAL                         |
| 6                          | ALUMINUM STOREFRONT WINDOWS/ DOORS         | TBD          | LOW-E        | CLEAR   |        |       | CLEAR ANNOXIDIZED FRAME          |
| 7                          | INSULATED METAL DOOR                       | TBD          | INSULATED    | GREY    |        |       | PAINT TO MATCH PAC CLAD CHARCOAL |
| 8                          | METAL ROOF EDGE                            | PAC CLAD     |              | ORANGE  |        |       | R=252, G=175, B=46               |
| 9                          | SKYLIGHT                                   | FIRESTONE    | SUNWAVE      | FACTORY |        |       | INSULATED 5060                   |
| 10                         | INSULATED OVERHEAD SECTIONAL DOOR          | TBD          | INSULATED    | GREY    |        |       | PAINT TO MATCH PAC CLAD CHARCOAL |
| 11                         | PANEL JOINT                                | NA           |              | VARIES  |        |       |                                  |
| 12                         | METAL CANOPY                               | CUSTOM       |              | ORANGE  |        |       | R=252, G=175, B=46               |

D

C



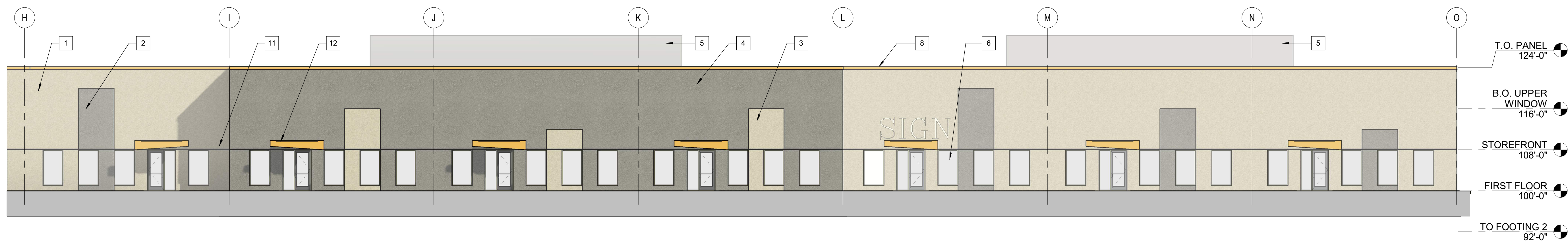
**C1** NORTH ELEVATION  
3/32" = 1'-0"

B



**B1** NORTHWEST ELEVATION  
3/32" = 1'-0"

A



**A1** NORTHEAST ELEVATION  
3/32" = 1'-0"

**FGC FLEX BUILDING**  
NEW CONSTRUCTION  
4921 FEMRITE DR.  
MADISON, WI 53716

| Project Status |             |
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| 12/09/2020     | UDC REVISED |

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**EXTERIOR ELEVATIONS**

**A201**

**PRELIMINARY**

EXTERIOR MATERIAL SCHEDULE

Sketch works

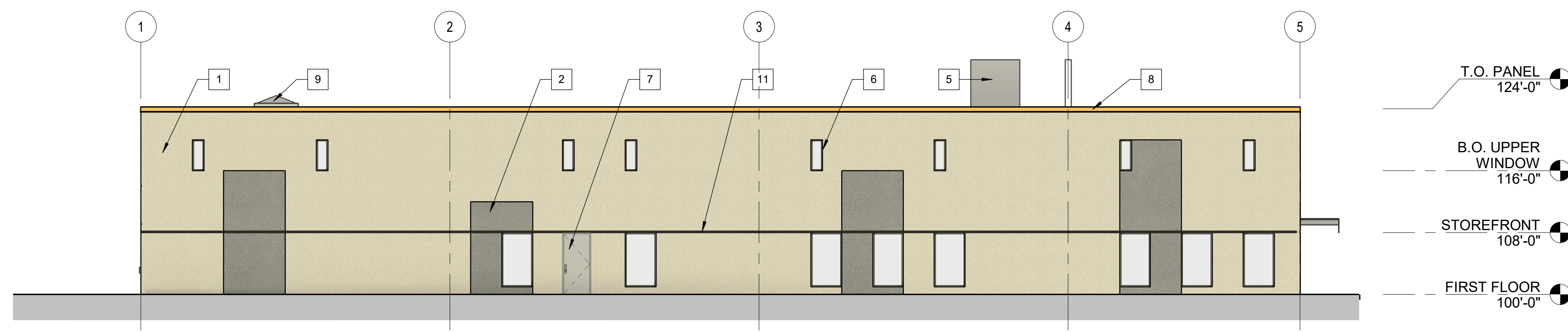
| #  | DESCRIPTION                                | MANUFACTURE R | TYPE/STYLE   | COLOR   | HEIGHT | WIDTH | COMMENTS                         |
|----|--|---------------|--------------|---------|--------|-------|----------------------------------|
| 1  | CONCRETE TILT-UP SANDBLASTED               | NA            | SANDBLASTED  | WHITE   |        |       |                                  |
| 2  | RECESSED BOARD FORMED CONCRETE PAINTED     | NA            | BOARD FORMED | GREY    |        |       | PAINT TO MATCH PAC CLAD CHARCOAL |
| 3  | RECESSED BOARD FORMED CONCRETE SANDBLASTED | NA            | SANDBLASTED  | WHITE   |        |       |                                  |
| 4  | CONCRETE TILT-UP PAINTED                   | NA            | PAINTED      | GREY    |        |       | PAINT TO MATCH PAC CLAD CHARCOAL |
| 5  | METAL PANEL                                | PAC CLAD      | BOX RIB 1    | GREY    |        |       | CHARCOAL                         |
| 6  | ALUMINUM STOREFRONT WINDOWS/ DOORS         | TBD           | LOW-E        | CLEAR   |        |       | CLEAR ANNOIDIZED FRAME           |
| 7  | INSULATED METAL DOOR                       | TBD           | INSULATED    | GREY    |        |       | PAINT TO MATCH PAC CLAD CHARCOAL |
| 8  | METAL ROOF EDGE                            | PAC CLAD      |              | ORANGE  |        |       | R=252, G=175, B=46               |
| 9  | SKYLIGHT                                   | FIRESTONE     | SUNWAVE      | FACTORY |        |       | INSULATED 5060                   |
| 10 | INSULATED OVERHEAD SECTIONAL DOOR          | TBD           | INSULATED    | GREY    |        |       | PAINT TO MATCH PAC CLAD CHARCOAL |
| 11 | PANEL JOINT                                | NA            |              | VARIES  |        |       |                                  |
| 12 | METAL CANOPY                               | CUSTOM        |              | ORANGE  |        |       | R=252, G=175, B=46               |

D

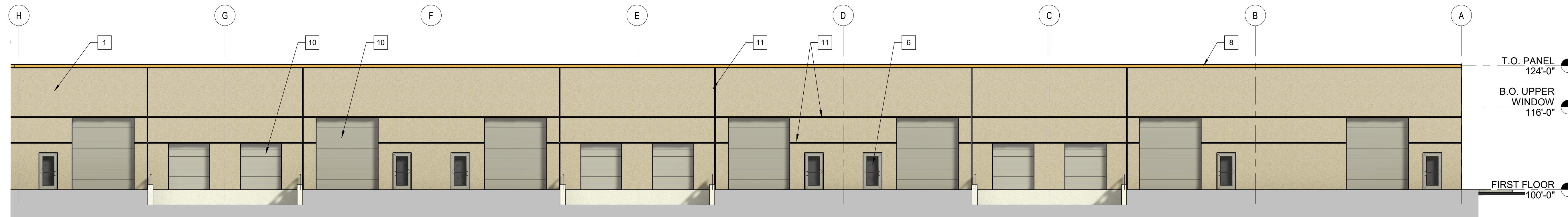
C

B

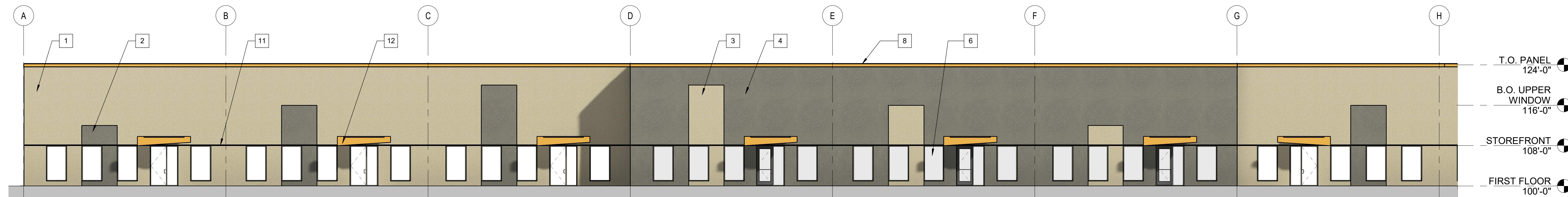
A



C1 SOUTH ELEVATION  
3/32" = 1'-0"



B1 SOUTHWEST ELEVATION  
3/32" = 1'-0"



A1 SOUTHEAST ELEVATION  
3/32" = 1'-0"

**FGC FLEX BUILDING**  
 NEW CONSTRUCTION  
 4921 FEMRITE DR.  
 MADISON, WI 53716

Project Status

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EXTERIOR ELEVATIONS

A202

PRELIMINARY

D



**SOUTHEAST VIEW**



**SOUTH VIEW**



**NORTHEAST VIEW**

C



**ENTRY VIEW**



**NORTHEAST CORNER**

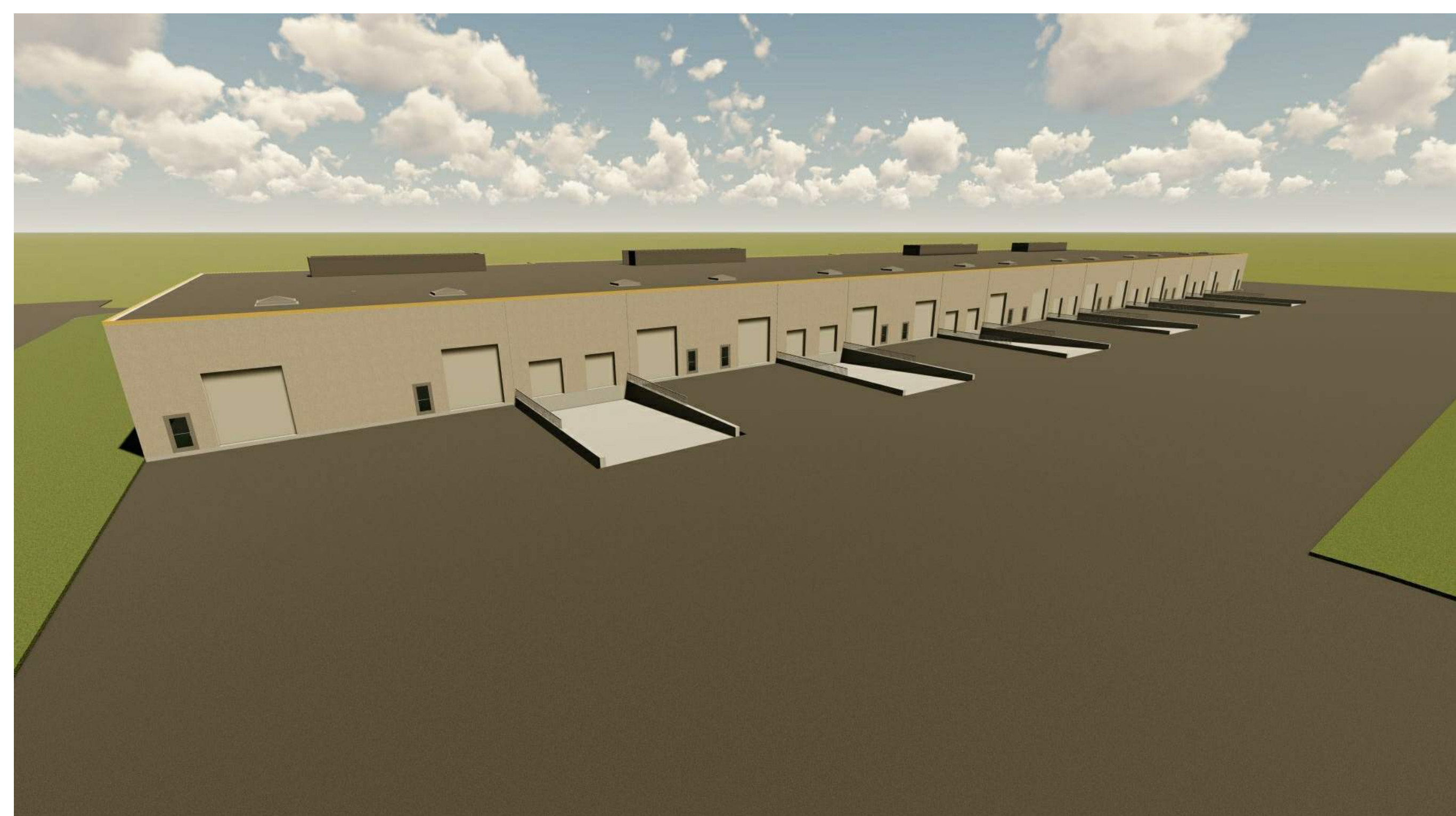


**NORTH (TRADEWINDS)**

B



**MAIN FRONTAGE VIEW**



**LOADING DOCK VIEW**

A

**FGC FLEX BUILDING**  
NEW CONSTRUCTION  
4921 FEMRITE DR.  
MADISON, WI 53716

**Project Status**

11/25/2020 UDC REVIEW

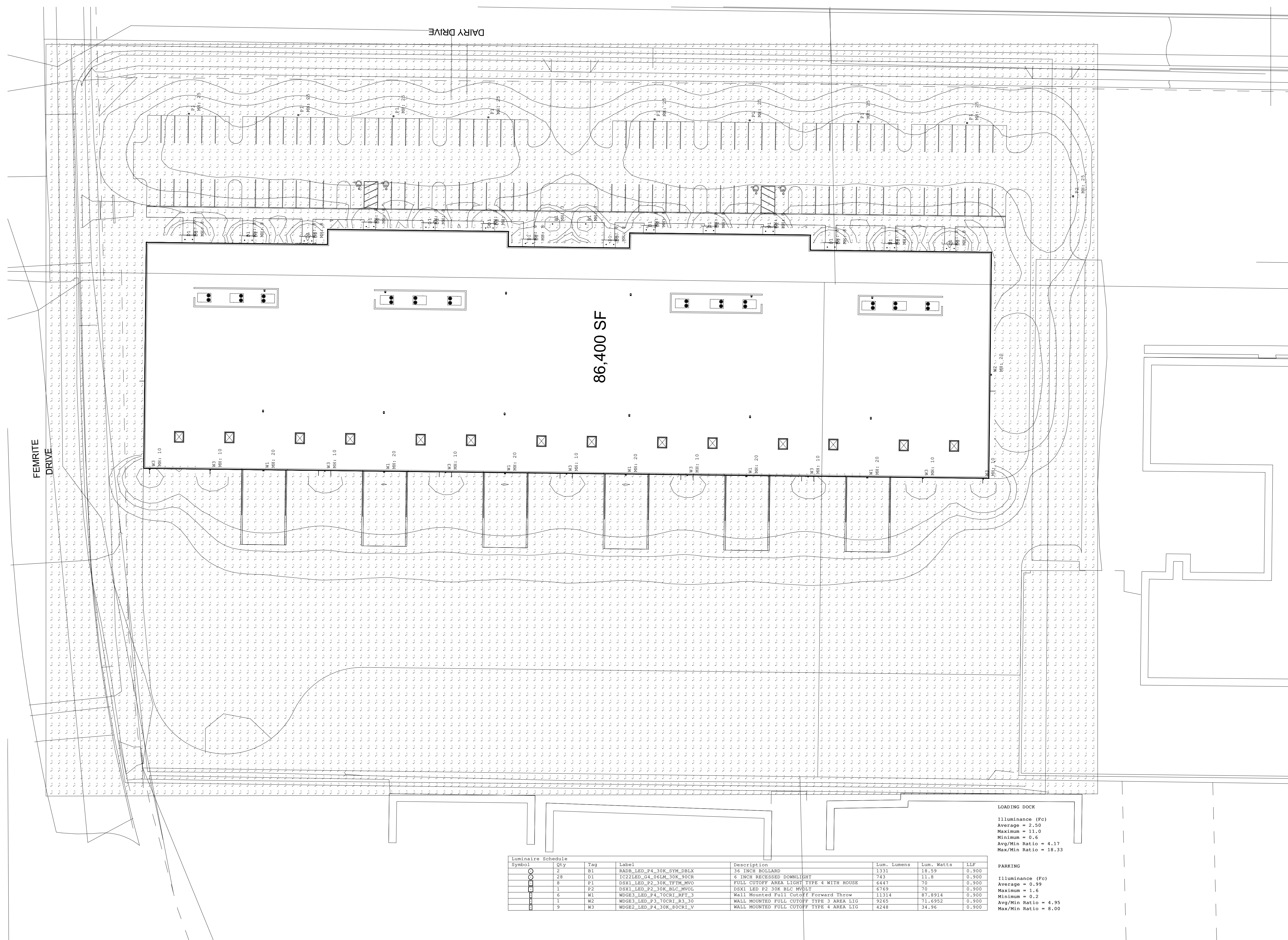
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**BUILDING 3D**

**A901**

**PRELIMINARY**



86,400 SF

FEMRITE DRIVE

DAIRY DRIVE

LOADING DOCK  
Illuminance (Fc)  
Average = 2.50  
Maximum = 11.0  
Minimum = 0.6  
Avg/Min Ratio = 4.17  
Max/Min Ratio = 18.33

| Luminaire Schedule |     |     |                          |  |             |            |
|--------------------|-----|-----|--------------------------|--|-------------|------------|
| Symbol             | Qty | Tag | Label                    | Description                              | Lum. Lumens | Lum. Watts |
| ○                  | 2   | B1  | RADB_LED_P4_10K_SYM_DBLK | 38 INCH BOLLARD                          | 1331        | 18.59      |
| ○                  | 28  | D1  | IC22480_04_06CM_30K_30CR | 4 INCH RECESSED DOWNLIGHT                | 743         | 11.8       |
| □                  | 8   | P1  | DSX1_LED_P2_30K_TFTM_MVO | FULL CUTOFF AREA LIGHT TYPE 4 WITH HOUSE | 6447        | 70         |
| □                  | 1   | P2  | DSX1_LED_P2_30K_BLC_MV0L | DSX1_LED P2 30K BLC MV0L                 | 6769        | 0.900      |
| □                  | 6   | W1  | WDG3_LED_P4_TOCRI_FT_3   | WALL MOUNTED FULL CUTOFF Forward Throw   | 11314       | 87.8914    |
| □                  | 1   | W2  | WDG3_LED_P3_TOCRI_R3_30  | WALL MOUNTED FULL CUTOFF TYPE 3 AREA LIG | 9265        | 71.6952    |
| □                  | 9   | W3  | WDG2_LED_P4_30K_BOCRT_V  | WALL MOUNTED FULL CUTOFF TYPE 4 AREA LIG | 4248        | 34.96      |

PARKING  
Illuminance (Fc)  
Average = 0.99  
Maximum = 1.6  
Minimum = 0.2  
Avg/Min Ratio = 4.95  
Max/Min Ratio = 8.00

**A1** SITE LIGHTING PLAN  
NOT TO SCALE

**FGC FLEX BUILDING**  
NEW CONSTRUCTION  
4921 FEMRITE DR.  
MADISON, WI 53716

| Project Status |             |
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| 12/09/2020     | UDC REVISED |

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**SITE LIGHTING PLAN**

**PRELIMINARY**

**ES101**



GREY PAINTED TILT-UP CONCRETE WALL (SHADE OF GREY MAY VARY)



SAND BLASTED TILT-UP CONCRETE WALL

12/10/20

# FGC FLEX BUILDING MATERIALS

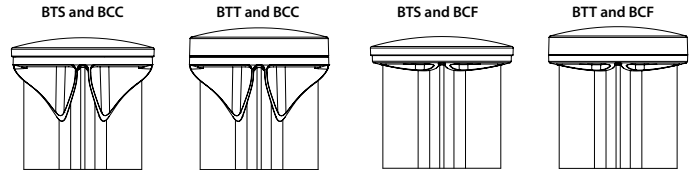
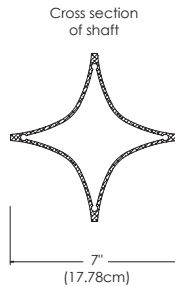
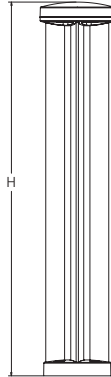
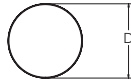


7780 Elmwood Ave., Suite 208 • Middleton, WI 53562 • 608.836.7570



# RADEAN Bollard

## LED Site Luminaire



### Specifications

**Diameter:** D = 8.25" (20.96cm)  
**Height:** H = 41.5" Standard (105.41cm)  
**Weight (max):** 20lbs (9.07Kg)

Catalog Number

Notes

Type

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

### Introduction

The Radean LED Bollard is an award-winning, energy-saving, long-life solution designed to perform the way a bollard should.

The Radean LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

### Ordering Information

**EXAMPLE: RADB LED P4 30K SYM MVOLT BTS BCCDNATXD DBLXD**

| RADB LED |                     |                   |                             |                    |  |   |  |
|----------|---------------------|-------------------|-----------------------------|--------------------|--|---|--|
| Series   | Performance Package | Color temperature | Distribution                | Voltage            | Control options  | Bollard top (required)  |  |
| RADB LED | P1                  | 27K 2700 K        | ASY Asymmetric <sup>2</sup> | MVOLT <sup>3</sup> | <b>Shipped installed</b>   | <b>Slim Top</b>   | <b>Tall Top</b>  |
|          | P2                  | 30K 3000 K        | SYM Symmetric <sup>1</sup>  | 120                | PE Photoelectric cell, button type <sup>5,5</sup>                              | BTS Slim top, painted to match shaft <sup>5,8</sup>           | BTT Tall top painted to match shaft <sup>8</sup>           |
|          | P3                  | 35K 3500 K        |                             | 208 <sup>3</sup>   | DMG 0-10V dimming driver (no controls)   | BTSDWHXD Slim top, white <sup>5,8</sup>                       | BTDBLXD Tall top, black textured <sup>8</sup>              |
|          | P4                  | 40K 4000 K        |                             | 240 <sup>3</sup>   | E7WH Emergency battery backup, Certified in CA Title 20 MAEDBS1 <sup>6,7</sup> | BTSDBLXD Slim top, black texture <sup>5,8</sup>               | BTDBLXD Tall top, black <sup>8</sup>                       |
|          | P5 <sup>1</sup>     | 50K 5000 K        |                             | 277                | FAO Field adjustable output <sup>5</sup>                                       | BTSDBTXD Slim top, dark bronze textured <sup>5,8</sup>        | BTDDDBTXD Tall top, dark bronze textured <sup>8</sup>      |
|          |                     |                   |                             | 347                | PIR Motion sensor Bi-level <sup>3,5,6,7</sup>                                  | BTSDBBXD Slim top, dark bronze <sup>5,8</sup>                 | BTDDDBXD Tall top, dark bronze <sup>8</sup>                |
|          |                     |                   |                             | 480                |  | BTS DNATXD Slim top, natural aluminum textured <sup>5,8</sup> | BTDDNATXD Tall top, natural aluminum textured <sup>8</sup> |
|          |                     |                   |                             |                    |  | BTS DNAXD Slim top, natural aluminum <sup>5,8</sup>           | BTDDNAXD Tall top, natural aluminum                        |
|          |                     |                   |                             |                    |  | BTS DWHGXD Slim top, white textured <sup>8</sup>              | BTDDWHGXD Tall top, white textured <sup>8</sup>            |
|          |                     |                   |                             |                    |  |   | BTDDWHXD Tall top, white <sup>8</sup>                      |

| Bollard crown (required)                                     |  | Other options                         | Finish (required) |                           |
|--|--|---------------------------------------|-------------------|---------------------------|
| <b>Deep Crown</b>  |  | H24 <sup>6,9</sup> 24" overall height | DDBXD             | Dark bronze               |
| BCC Deep crown, painted to match shaft <sup>8</sup>          | <b>Flat Crown</b>  | H30 <sup>6,9</sup> 30" overall height | DBLXD             | Black                     |
| BCCDWHXD Deep crown, white <sup>8</sup>                      | BCF Flat crown, painted to match shaft <sup>8</sup>          | H36 <sup>6,9</sup> 36" overall height | DNAXD             | Natural aluminum          |
| BCCDBLXD Deep crown, black <sup>8</sup>                      | BCFDBLXD Flat crown, black textured <sup>8</sup>             | L/AB Without anchor bolts             | DWHXD             | White                     |
| BCCDBLXD Deep crown, black textured <sup>8</sup>             | BCFDBLXD Flat crown, black <sup>8</sup>                      |                                       | DDBTXD            | Textured dark bronze      |
| BCCDBTXD Deep crown, dark bronze textured <sup>8</sup>       | BCFDDBTXD Flat crown, dark bronze textured <sup>8</sup>      |                                       | DBLXD             | Textured black            |
| BCCDBBXD Deep crown, dark bronze <sup>8</sup>                | BCFDDBTXD Flat crown, dark bronze <sup>8</sup>               |                                       | DNATXD            | Textured natural aluminum |
| BCCDNATXD Deep crown, natural aluminum textured <sup>8</sup> | BCFDDBTXD Flat crown, dark bronze <sup>8</sup>               |                                       | DWHGXD            | Textured white            |
| BCCDNAXD Deep crown, natural aluminum <sup>8</sup>           | BCFDNATXD Flat crown, natural aluminum textured <sup>8</sup> |                                       |                   |                           |
| BCCDWHGXD Deep crown, white textured <sup>8</sup>            | BCFDNAXD Flat crown, natural aluminum <sup>8</sup>           |                                       |                   |                           |
|  | BCFDNAXD Flat crown, natural aluminum <sup>8</sup>           |                                       |                   |                           |
|  | BCFDWHGXD Flat crown, white textured <sup>8</sup>            |                                       |                   |                           |
|  | BCFDWHXD Flat crown, white <sup>8</sup>                      |                                       |                   |                           |

### Accessories

Ordered and shipped separately.

|                 |   |                          |                           |
|-----------------|---|--------------------------|---------------------------|
| RADBAB U        | Anchor bolts (4)                                    | RK1RADB BCKIT (FINISH) U | Base cover with bolt caps |
| RADBABC DDBXD U | Replacement anchor bolt covers (specify finish) (4) | RK1RADB EMTESTMAG U      | Emergency test stylus     |

### NOTES

- P5 only available in SYM distribution.
- ASY has only two illuminated quadrants driven at higher drive currents to generate similar output as the SYM-4-quadrant product.
- PIR not available with 208V or 240V.
- PE only available with ASY.
- PE, PIR and FAO not available with BTS.

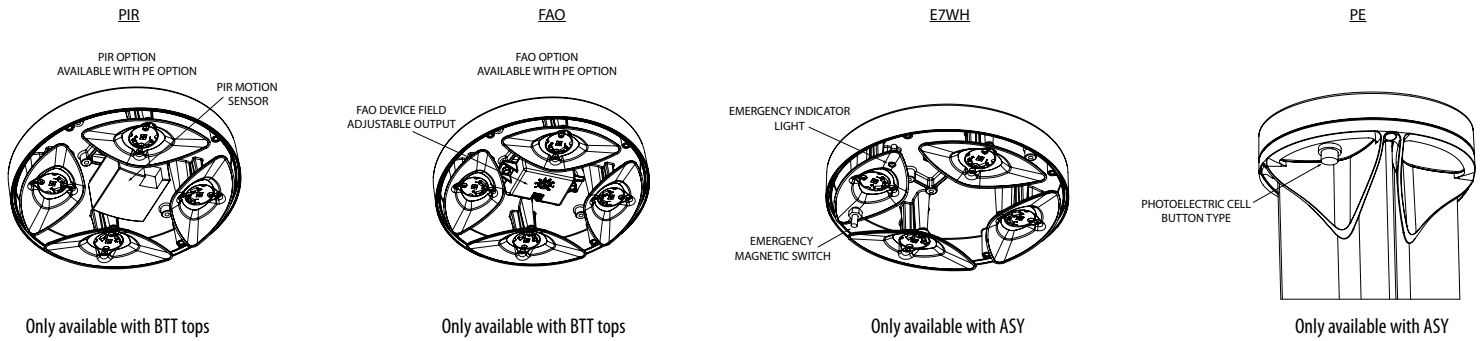
- E7WH and PIR only available in full height. Not available with H24, H30 or H36.
- PIR not available with E7WH.
- Architectural and custom colors available (additional leadtimes and cost may apply).
- 42" Height is standard. H24, H30 and H36 have longer leadtimes.



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## Options



## Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

### Performance Data DNAXD Finish\*

| Light Engines                  | Performance Package | System Watts | 2700K  |   |   |   |     | 3000K  |   |   |   |     | 3500K  |   |   |   |     | 4000K  |   |   |   |     | 5000K  |   |   |   |     |
|--------------------------------|---------------------|--------------|--------|---|---|---|-----|--------|---|---|---|-----|--------|---|---|---|-----|--------|---|---|---|-----|--------|---|---|---|-----|
|                                |                     |              | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| "Symmetric (4 light engines)"  | P1                  | 5            | 345    | 0 | 1 | 0 | 66  | 362    | 0 | 1 | 0 | 69  | 370    | 0 | 1 | 0 | 71  | 380    | 0 | 1 | 0 | 73  | 382    | 0 | 1 | 0 | 73  |
|                                | P2                  | 8            | 644    | 0 | 1 | 0 | 81  | 677    | 0 | 1 | 0 | 85  | 692    | 0 | 1 | 0 | 87  | 711    | 0 | 1 | 0 | 89  | 713    | 0 | 1 | 0 | 89  |
|                                | P3                  | 13           | 1036   | 1 | 1 | 0 | 77  | 1088   | 1 | 1 | 0 | 81  | 1112   | 1 | 1 | 0 | 83  | 1142   | 1 | 1 | 0 | 85  | 1146   | 1 | 1 | 0 | 85  |
|                                | P4                  | 19           | 1460   | 1 | 1 | 0 | 79  | 1534   | 1 | 1 | 0 | 83  | 1568   | 1 | 1 | 0 | 84  | 1610   | 1 | 1 | 0 | 87  | 1616   | 1 | 1 | 0 | 87  |
|                                | P5                  | 32           | 2314   | 1 | 1 | 0 | 72  | 2430   | 1 | 1 | 0 | 75  | 2484   | 1 | 1 | 0 | 77  | 2551   | 1 | 1 | 0 | 79  | 2561   | 1 | 1 | 0 | 79  |
| "Asymmetric (2 light engines)" | P1                  | 5            | 312    | 0 | 1 | 0 | 60  | 328    | 0 | 1 | 0 | 63  | 335    | 0 | 1 | 0 | 64  | 344    | 0 | 1 | 0 | 66  | 346    | 0 | 1 | 0 | 66  |
|                                | P2                  | 8            | 584    | 0 | 1 | 0 | 73  | 613    | 0 | 1 | 0 | 77  | 627    | 0 | 1 | 0 | 78  | 644    | 0 | 1 | 0 | 81  | 646    | 0 | 1 | 0 | 81  |
|                                | P3                  | 13           | 938    | 0 | 1 | 0 | 70  | 985    | 0 | 1 | 0 | 73  | 1007   | 0 | 1 | 0 | 75  | 1035   | 0 | 1 | 0 | 77  | 1038   | 0 | 1 | 0 | 77  |
|                                | P4                  | 19           | 1323   | 0 | 1 | 0 | 71  | 1390   | 0 | 1 | 0 | 75  | 1420   | 0 | 1 | 0 | 76  | 1459   | 0 | 1 | 0 | 78  | 1464   | 0 | 1 | 0 | 79  |

\*Note: Lumen output varies based on finish. Silver color shown, for black (worst) or white (best) photometry, see specific photometric files downloadable from [www.acuitybrands.com](http://www.acuitybrands.com)

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

|    | Projected LED Lumen Maintenance |        |        |         |
|----|---------------------------------|--------|--------|---------|
|    | 25,000                          | 50,000 | 75,000 | 100,000 |
| P1 | 0.94                            | 0.89   | 0.85   | 0.80    |
| P2 | 0.94                            | 0.89   | 0.85   | 0.80    |
| P3 | 0.94                            | 0.89   | 0.85   | 0.80    |
| P4 | 0.94                            | 0.89   | 0.85   | 0.80    |
| P5 | 0.94                            | 0.89   | 0.85   | 0.80    |

### Lumen Ambient Temperature (LAT) Multipliers

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

| Ambient | LAT Factor |      |
|---------|------------|------|
| 0       | 32°F       | 1.03 |
| 5       | 41°F       | 1.03 |
| 10      | 50°F       | 1.02 |
| 15      | 59°F       | 1.01 |
| 20      | 68°F       | 1.01 |
| 25      | 77°F       | 1    |
| 30      | 86°F       | 0.99 |
| 35      | 95°F       | 0.99 |
| 40      | 104°F      | 0.98 |

### Electrical Load

|        | Current (Amp)   |                 |           |           |           |           | Current (Amp) |               |           |        |
|--------|-----------------|-----------------|-----------|-----------|-----------|-----------|---------------|---------------|-----------|--------|
|        | Watts @120V (W) | Watts @277V (W) | @120V (A) | @208V (A) | @240V (A) | @277V (A) | Watts (@347V) | Watts (@480V) | @347V (A) | @480V  |
| P1 ASY | 5               | 6               | 0.0445    | 0.0299    | 0.0276    | 0.0262    | 10            | 10            | 0.0443    | 0.0319 |
| P2 ASY | 9               | 10              | 0.0751    | 0.0471    | 0.0429    | 0.0399    | 14            | 14            | 0.0505    | 0.0364 |
| P3 ASY | 14              | 15              | 0.1147    | 0.0699    | 0.0627    | 0.0571    | 18            | 18            | 0.0611    | 0.0441 |
| P4 ASY | 19              | 19              | 0.1586    | 0.0928    | 0.0819    | 0.0735    | 23            | 23            | 0.0709    | 0.0513 |
| P1 SYM | 5               | 6               | 0.0444    | 0.0301    | 0.0279    | 0.0265    | 9             | 9             | 0.0441    | 0.0319 |
| P2 SYM | 9               | 10              | 0.0734    | 0.0461    | 0.0421    | 0.0391    | 13            | 13            | 0.0502    | 0.0363 |
| P3 SYM | 13              | 14              | 0.112     | 0.067     | 0.0598    | 0.0544    | 18            | 18            | 0.0602    | 0.0435 |
| P4 SYM | 18              | 19              | 0.1535    | 0.0902    | 0.0796    | 0.0713    | 22            | 22            | 0.0691    | 0.0499 |
| P5 SYM | 31              | 31              | 0.2597    | 0.1527    | 0.1326    | 0.1149    | 35            | 36            | 0.1079    | 0.079  |

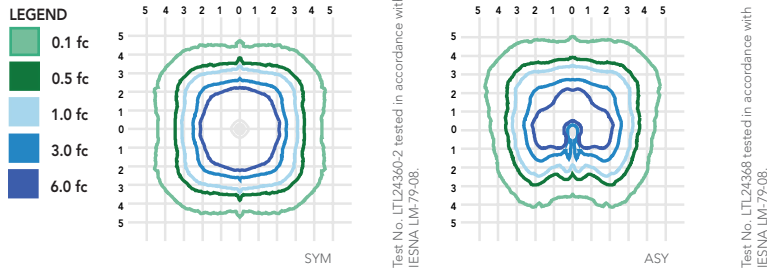


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Isofootcandle plots for the RADB. Distances are in units of mounting height (3.5').



## FEATURES & SPECIFICATIONS

### INTENDED USE

The rugged construction and maintenance-free performance of the Radean LED Bollard is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

### CONSTRUCTION

One-piece extruded aluminum shaft with thick side walls for extreme durability, and die-cast reflector and top cap. Four 3/8" x 16" anchor bolts with double nuts and washers and 5-2/3" max. bolt circle template ensure stability. Overall height is 42" standard.

### FINISH

Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Two optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination. Light engines are available in 2700K, 3000K, 3500K, 4000K or 5000K.

### ELECTRICAL

Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L80/100,000 hours at P5 at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

### LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Emergency battery backup rated for -10°C minimum ambient. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color or less.

### WARRANTY

Five-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

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



Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

# 6" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC22LED (G4 06LM) RECESSED HOUSING



## OPEN TRIMS

### PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction housing with integral light engine

- Shallow housing allows for fit in 2 x 6 construction
- Can be completely covered with insulation
- Fully sealed housing stops infiltration and exfiltration of air, reducing heating and air cooling costs without the use of additional gaskets
- LED housing is designed to provide 50,000 hours of life and is compatible with many standard Juno trims
- 5 year limited warranty on LED components.

### ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury
- Comparable light output to 65W BR30 incandescent

### PRODUCT SPECIFICATIONS

**LED Light Engine** LED array integrated to thermally conductive housing provides uninterrupted heat transfer to ensure long life of the LED

- Replaceable light engine mounts directly to housing and incorporates the latest generation, high lumen output LED array
- LEDs are binned within a 3-step MacAdam Ellipse exceeding ENERGY STAR® requirements for superior fixture to fixture color uniformity
- 2700K, 3000K, 3500K or 4000K color temperature available
- 90 CRI minimum.

**Optical System** Computer-optimized reflector design with high reflectance white finish coupled with a high transmission diffusing lens conceals the LEDs and produces uniform aperture luminance

- Deep regression of lens produces a low glare, efficient system that can produce over 600 lumens with select trims (see page 2 for details) using less than 9W\*
- Wide flood distribution (>70°) shipped as standard with optional optic accessories available and sold separately.

**Aesthetic Trim Selections** Compatible with wide selection of existing Juno trims

- Shadow free, knife edge design blends seamlessly into ceiling.

**LED Driver** Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) drivers that accommodate input voltages from 120-277 volts AC at 50/60Hz

- Power factor > 0.9 at 120V input
- 120 volt only dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers
- Universal voltage drivers are dimmable with the use of most 0-10V wall dimmers
- For a list of compatible dimmers, see [JUNOICLED-DIM](#)
- Mounted between the j-box and housing for easy access and cool operation.

**Life** Rated for 50,000 hours at 70% lumen maintenance.

**Labels** ENERGY STAR® Certified when used with select baffle and cone trims

- Certified to the high efficacy requirements of California T24 JA8-2016 with select trims
- UL listed for U.S. and Canada through-branch wiring, damp locations
- Union made
- UL and cUL.

**Testing** All reports are based on published industry procedures; field performance may differ from laboratory performance.

Specifications subject to change without notice.

### HOUSING FEATURES

**Housing** Designed for use in IC (insulated ceiling) or non-IC construction

- Aluminum housing sealed for Air-Loc® compliance
- Housing is vertically adjustable to accommodate up to a 2" ceiling thickness.

**Junction Box** Pre-wired junction box provided with (5) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire

- UL listed and cUL listed for through-branch wiring, maximum 8 #12 branch circuit conductors
- Junction box provided with removable access plates
- Knockouts equipped with pryout slots

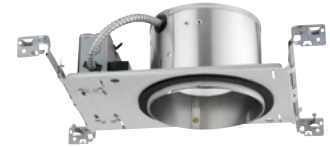
- Quick connect electrical connectors supplied as standard for fast, secure installation.

**Mounting Frame** 22-gauge die-formed galvanized steel mounting frame

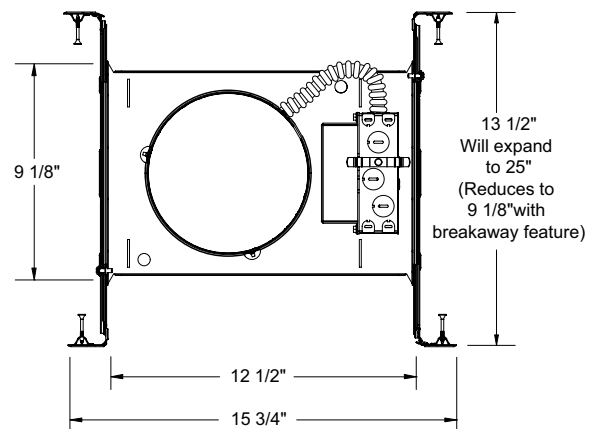
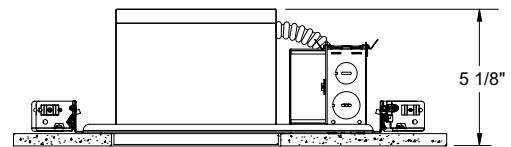
- Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

**Real Nail 3 Bar Hangers** Telescoping Real Nail® 3 system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings

- Includes removable nail for repositioning of fixture in wood joist construction
- Integral T-bar notch and clip for suspended ceilings
- Design covered under US Patent D552,969.



### DIMENSIONS



6 7/8" CEILING CUTOUT

# 6" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC22LED (G4 06LM) RECESSED HOUSING  
OPEN TRIMS

## ELECTRICAL DATA

Dedicated 120V Only Driver Option (120 FRPC)

| 120V                  |   |
|-----------------------|---|
| Input Power           | 8.6W (+/-5%)  |
| Input Current         | 0.07A   |
| Frequency             | 50/60Hz   |
| EMI/RFI               | FCC Title 47 CFR, Part 15,<br>Class B (residential) |
| Minimum starting temp | -25°C   |

## ELECTRICAL DATA

Universal Voltage

|                       | MVOLT EZ10 and EZ1                                  |   | MVOLT ZT10 and ZT1                                  |   |
|-----------------------|---|---|---|---|
|                       | 120V  | 277V  | 120V  | 277V  |
| Input Power           | 8.3W (+/-5%)  | 8.9W (+/-5%)  | 8.3W (+/-5%)  | 8.9W (+/-5%)  |
| Input Current         | 0.07A   | 0.03A   | 0.07A   | 0.03A   |
| Frequency             | 50/60Hz   | 50/60Hz   | 50/60Hz   | 50/60Hz   |
| EMI/RFI               | FCC Title 47 CFR, Part 15,<br>Class B (residential) | FCC Title 47 CFR, Part 15,<br>Class B (residential) | FCC Title 47 CFR, Part 15,<br>Class B (residential) | FCC Title 47 CFR, Part 15,<br>Class B (residential) |
| Minimum starting temp | -20°C   | -20°C   | -20°C   | -20°C   |

**ORDERING INFORMATION** Housing and trim can be ordered together or separate, but will always ship separately.

**Example:** IC22LED G4 06LM 27K 90CRI 120 FRPC

| Series                                    | Generation      | Lumens                  | Color Temperature | CRI           | Voltage/Driver   |
|---|-----------------|-------------------------|-------------------|---------------|--|
| IC22LED 6" LED New Construction Downlight | G4 Generation 4 | 06LM 600 Nominal Lumens | 27K 2700K         | 90CRI 90+ CRI | 120 FRPC 120V Forward/Reverse Phase Cut, 5% dim        |
|   |                 |                         | 30K 3000K         |               | MVOLT ZT10 Multi-Volt (120-277), 0-10V, 10% dim        |
|   |                 |                         | 35K 3500K         |               | MVOLT ZT1 Multi-Volt (120-277), 0-10V, 1% dim          |
|   |                 |                         | 40K 4000K         |               | MVOLT EZ10 Multi-Volt (120-277), eLdLED 0-10V, 10% dim |
|   |                 |                         |                   |               | MVOLT EZ1 Multi-Volt (120-277), eLdLED 0-10V, 1% dim   |



A+ Capable options indicated by this color background

## Trim/Description

|   |                               |   |   |                 |                                 |
|---|-------------------------------|---|---|-----------------|---------------------------------|
|  | <b>24 BABZ</b> <sup>1,2</sup> | 6" Downlight Tapered Black Baffle, Classic Aged Bronze Trim Ring    |  | <b>9024 WWH</b> | White Octagonal w/ White Baffle |
|  | <b>24 BBL</b> <sup>1,2</sup>  | 6" Downlight Tapered Black Baffle, Black Trim Ring                  |  | <b>9324 SC</b>  | Luminous Disk (Frosted)         |
|  | <b>24 BSC</b> <sup>1,2</sup>  | 6" Downlight Tapered Black Baffle, Satin Chrome Trim Ring           |  | <b>9524 SC</b>  | Chrome Band                     |
|  | <b>24 BWH</b> <sup>1,2</sup>  | 6" Downlight Tapered Black Baffle, White Trim Ring                  |  | <b>9702</b>     | Luminous Collar (Frosted)       |
|  | <b>24 WWH</b>                 | 6" Downlight Tapered White Baffle, White Trim Ring                  |   |                 |                                 |
|  | <b>27 BWB</b> <sup>1,2</sup>  | 6" Downlight Tapered Black Cone, White Trim Ring                    |   |                 |                                 |
|  | <b>27 CWH</b>                 | 6" Downlight Tapered Clear Cone Alzak®, White Trim Ring             |   |                 |                                 |
|  | <b>27 GWH</b>                 | 6" Downlight Tapered Gold Cone, White Trim Ring                     |   |                 |                                 |
|  | <b>27 HZWH</b>                | 6" Downlight Tapered Haze Cone, White Trim Ring                     |   |                 |                                 |
|  | <b>27 PTSC</b>                | 6" Downlight Tapered Pewter Cone, Satin Chrome Trim Ring            |   |                 |                                 |
|  | <b>27 WHZABZ</b>              | 6" Downlight Tapered Wheat Haze Cone, Classic Aged Bronze Trim Ring |   |                 |                                 |
|  | <b>27 WHZWH</b>               | 6" Downlight Tapered Wheat Haze Cone, White Trim Ring               |   |                 |                                 |
|  | <b>27 WWH</b>                 | 6" Downlight Tapered White Cone, White Trim Ring                    |   |                 |                                 |

Trim Size: 24, 27, 9324, 9524 - 7<sup>5</sup>/<sub>8</sub>" O.D.; 9702 - 7<sup>3</sup>/<sub>4</sub>" O.D.; 9024 - 8" O.D.

Alzak is a registered trademark of Alcoa Corp.

Note: In Canada when insulation is present, Type IC fixtures must be used.

<sup>1</sup> Not ENERGY STAR® Certified

<sup>2</sup> 120V and Multi-Volt: T24 @ 30K, 35K, 40K only

## Accessories (ordered separately)

| Catalog Number | Description              |
|----------------|--------------------------|
| LEDOPTICG3 MFL | Medium Flood Optic (50°) |
| LEDOPTICG3 NFL | Narrow Flood Optic (37°) |
| LEDOPTICG3 SP  | Spot Optic (10°)         |

To order, specify catalog number.

## Catalog Number Description

|         |                                    |
|---------|------------------------------------|
| TR6 ABZ | 6" Trim Ring - Classic Aged Bronze |
| TR6 BL  | 6" Trim Ring - Black               |
| TR6 SC  | 6" Trim Ring - Satin Chrome        |
| TR6 WH  | 6" Trim Ring - White               |

To order, specify catalog number.

\*TR6 available for 24 and 27 trim series only

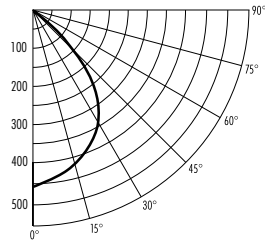
# 6" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC22LED (G4 06LM) RECESSED HOUSING  
OPEN TRIMS

## PHOTOMETRICS

### PHOTOMETRIC REPORT

**Test Report #:** PT02141401  
**Catalog No:** IC22LED G4 06LM 35K with  
24 WWH Trim and standard wide flood optic  
**Luminaire Spacing Criterion:** 1.16  
**Luminaire LPW:** 85



### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees | Vertical | 0° |
|---------|----------|----|
| 0       | 455      |    |
| 5       | 451      |    |
| 15      | 424      |    |
| 25      | 378      |    |
| 35      | 297      |    |
| 45      | 134      |    |
| 55      | 59       |    |
| 65      | 29       |    |
| 75      | 17       |    |
| 85      | 4        |    |
| 90      | 0        |    |

Multiplier: 27K - 0.89  
30K - 0.94  
40K - 1.03

### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4.0'    | 49   | 41   | 34   |
| 5.0'    | 32   | 26   | 22   |
| 6.0'    | 22   | 18   | 15   |
| 7.0'    | 18   | 15   | 12   |
| 8.0'    | 14   | 12   | 10   |
| 9.0'    | 11   | 9    | 7    |
| 10.0'   | 8    | 7    | 5    |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 336    | N/A   | 46.0     |
| 0-40° | 517    | N/A   | 70.8     |
| 0-60° | 679    | N/A   | 92.9     |
| 0-90° | 731    | N/A   | 100.0    |

### INITIAL FOOTCANDLES (One Unit, 8.6W, 78.8° Beam)

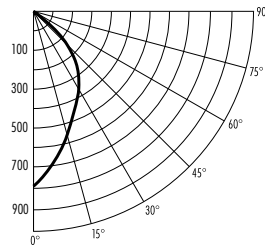
| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4                                    | 28.4                    | 6.6'          |
| 6                                    | 12.6                    | 9.9'          |
| 8                                    | 7.1                     | 13.1'         |
| 10                                   | 4.5                     | 16.4'         |

### LUMINANCE (Average cd/m<sup>2</sup>)

| Degrees | Average Luminance |
|---------|-------------------|
| 45      | 10410             |
| 55      | 5634              |
| 65      | 3758              |
| 75      | 3756              |
| 85      | 2451              |

### PHOTOMETRIC REPORT

**Test Report #:** LTL25975R  
**Catalog No:** IC22LED G4 06LM 35K with  
27 CWH Trim and standard wide flood optic  
**Luminaire Spacing Criterion:** 0.78  
**Luminaire LPW:** 93



### CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees | Vertical | 0° |
|---------|----------|----|
| 0       | 797      |    |
| 5       | 749      |    |
| 15      | 569      |    |
| 25      | 446      |    |
| 35      | 318      |    |
| 45      | 152      |    |
| 55      | 48       |    |
| 65      | 10       |    |
| 75      | 0        |    |
| 85      | 0        |    |
| 90      | 0        |    |

Multiplier: 27K - 0.89  
30K - 0.94  
40K - 1.03

### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4.0'    | 55   | 46   | 40   |
| 5.0'    | 35   | 30   | 25   |
| 6.0'    | 25   | 21   | 18   |
| 7.0'    | 20   | 17   | 14   |
| 8.0'    | 16   | 13   | 11   |
| 9.0'    | 12   | 10   | 9    |
| 10.0'   | 9    | 7    | 6    |

### ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 433    | N/A   | 53.9     |
| 0-40° | 629    | N/A   | 78.3     |
| 0-60° | 793    | N/A   | 98.7     |
| 0-90° | 803    | N/A   | 100.0    |

### INITIAL FOOTCANDLES (One Unit, 8.6W, 58.1° Beam)

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4                                    | 49.8                    | 4.4'          |
| 6                                    | 22.2                    | 6.7'          |
| 8                                    | 12.5                    | 8.9'          |
| 10                                   | 8.0                     | 11.1'         |

### LUMINANCE (Average cd/m<sup>2</sup>)

| Degrees | Average Luminance |
|---------|-------------------|
| 45      | 12833             |
| 55      | 5012              |
| 65      | 1389              |
| 75      | 0                 |
| 85      | 0                 |

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.



# D-Series Size 1 LED Area Luminaire

d#series

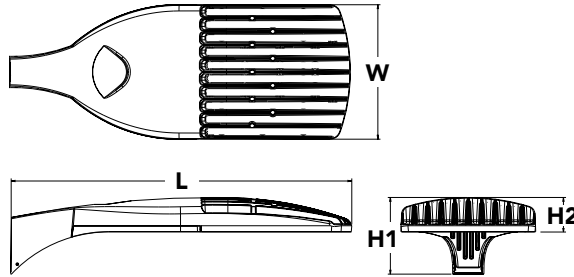


|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |

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

## Specifications

|                      |  |
|----------------------|--|
| <b>EPA:</b>          | 1.01 ft <sup>2</sup><br>(0.09 m <sup>2</sup> ) |
| <b>Length:</b>       | 33"<br>(83.8 cm)                               |
| <b>Width:</b>        | 13"<br>(33.0 cm)                               |
| <b>Height H1:</b>    | 7-1/2"<br>(19.0 cm)                            |
| <b>Height H2:</b>    | 3-1/2"   |
| <b>Weight (max):</b> | 27 lbs<br>(12.2 kg)                            |



## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

A+ Capable options indicated by this color background.

## Ordering Information

**EXAMPLE:** DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

| DSX1 LED |  | Color temperature |            | Distribution |  | Voltage   | Mounting   |   |
|----------|--|-------------------|------------|--------------|--|---|--|---|
| Series   | LEDs   | Color temperature |            | Distribution |  | Voltage   | Mounting   |   |
| DSX1 LED | <b>Forward optics</b><br>P1 P4 P7<br>P2 P5 P8<br>P3 P6 P9<br><b>Rotated optics</b><br>P10 <sup>1</sup> P12 <sup>1</sup><br>P11 <sup>1</sup> P13 <sup>1</sup> | 30K 3000 K        | 40K 4000 K | 50K 5000 K   | T1S Type I short (Automotive)<br>T2S Type II short<br>T2M Type II medium<br>T3S Type III short<br>T3M Type III medium<br>T4M Type IV medium<br>TFTM Forward throw medium | T5VS Type V very short <sup>2</sup><br>T5S Type V short <sup>2</sup><br>T5M Type V medium <sup>2</sup><br>T5W Type V wide <sup>2</sup><br>BLC Backlight control <sup>3</sup><br>LCCO Left corner cutoff <sup>3</sup><br>RCCO Right corner cutoff <sup>3</sup> | MVOLT <sup>4</sup><br>120 <sup>5</sup><br>208 <sup>5</sup><br>240 <sup>5</sup><br>277 <sup>5</sup><br>347 <sup>5</sup><br>480 <sup>5</sup> | <b>Shipped included</b><br>SPA Square pole mounting<br>RPA Round pole mounting<br>WBA Wall bracket <sup>2</sup><br>SPUMBA Square pole universal mounting adaptor <sup>6</sup><br>RPUMBA Round pole universal mounting adaptor <sup>6</sup><br><b>Shipped separately</b><br>KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>7</sup> |

| Control options  | Other options   | Finish (required)   |
|--|---|---|
| <b>Shipped installed</b><br>NLTAIR2 nLight AIR generation 2 enabled <sup>8</sup><br>PIRHN Network, high/low motion/ambient sensor <sup>9</sup><br>PER NEMA twist-lock receptacle only (controls ordered separate) <sup>10</sup><br>PER5 Five-pin receptacle only (controls ordered separate) <sup>10,11</sup><br>PER7 Seven-pin receptacle only (controls ordered separate) <sup>10,11</sup><br>DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>13</sup><br>DS Dual switching <sup>13,14,15</sup> | PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>16,17</sup><br>PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>16,17</sup><br>PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>16,17</sup><br>PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>16,17</sup><br>FAO Field adjustable output <sup>15</sup> | <b>Shipped installed</b><br>HS House-side shield <sup>18</sup><br>SF Single fuse (120, 277, 347V) <sup>5</sup><br>DF Double fuse (208, 240, 480V) <sup>5</sup><br>L90 Left rotated optics <sup>1</sup><br>R90 Right rotated optics <sup>1</sup><br><b>Shipped separately</b><br>BS Bird spikes <sup>19</sup><br>EGS External glare shield<br>DDBXD Dark bronze<br>DBLXD Black<br>DNAXD Natural aluminum<br>DWHXD White<br>DDBTXD Textured dark bronze<br>DBLBXD Textured black<br>DNATXD Textured natural aluminum<br>DWHGXD Textured white |



# Ordering Information

## Accessories

Ordered and shipped separately.

|                    |   |
|--------------------|---|
| DLL127F 1.5 JU     | Photocell - SSL twist-lock (120-277V) <sup>20</sup>                             |
| DLL347F 1.5 CUL JU | Photocell - SSL twist-lock (347V) <sup>20</sup>                                 |
| DLL480F 1.5 CUL JU | Photocell - SSL twist-lock (480V) <sup>20</sup>                                 |
| DSHORT SBK U       | Shorting cap <sup>20</sup>  |
| DSX1HS 30C U       | House-side shield for P1, P2, P3, P4 and P5 <sup>18</sup>                       |
| DSX1HS 40C U       | House-side shield for P6 and P7 <sup>18</sup>                                   |
| DSX1HS 60C U       | House-side shield for P8, P9, P10, P11 and P12 <sup>18</sup>                    |
| PUMBA DDBXD U*     | Square and round pole universal mounting bracket (specify finish) <sup>21</sup> |
| KMA8 DDBXD U       | Mast arm mounting bracket adaptor (specify finish) <sup>7</sup>                 |
| DSX1EGS (FINISH) U | External glare shield   |

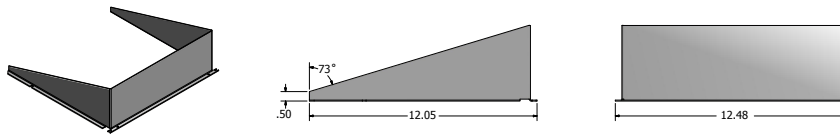
For more control options, visit [DTL](#) and [ROAM](#) online.

### NOTES

- P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- Any Type 5 distribution with photocell, is not available with WBA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- Must be ordered with NLTAR2. For more information on Light Air 2 visit [this link](#).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option. Shorting cap included.
- If ROAM<sup>®</sup> node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- Requires (2) separately switched circuits with isolated neutral. See Outdoor Control Technical Guide for details.
- Reference Motion Sensor table on page 4.
- Reference controls options table on page 4 to see functionality.
- Not available with other dimming controls options
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

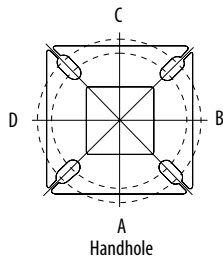
## Options

### EGS - External Glare Shield



## Drilling

### HANDHOLE ORIENTATION

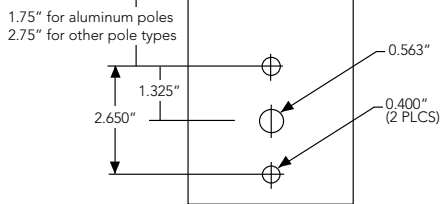


### Tenon Mounting Slipfitter\*\*

| Tenon O.D. | Mounting | Single Unit | 2 @ 180   | 2 @ 90    | 3 @ 120   | 3 @ 90    | 4 @ 90    |
|------------|----------|-------------|-----------|-----------|-----------|-----------|-----------|
| 2-3/8"     | SPA/RPA  | AS3-5 190   | AS3-5 280 | AS3-5 290 | AS3-5 320 | AS3-5 390 | AS3-5 490 |
|            | SPUMBA   | AS3-5 190   | AS3-5 280 | AS4-5 290 | AS3-5 320 | AS4-5 390 | AS4-5 490 |
|            | RUPUMBA  | AS3-5 190   | AS3-5 280 |           | AS3-5 320 |           |           |
| 2-7/8"     | SPA/RPA  | AST25-190   | AST25-280 | AST25-290 | AST25-320 | AST25-390 | AST25-490 |
|            | SPUMBA   | AST25-190   | AST25-280 |           | AST25-320 |           |           |
|            | RUPUMBA  | AST25-190   | AST25-280 |           | AST25-320 |           |           |
| 4"         | SPA/RPA  | AST35-190   | AST35-280 | AST35-290 | AST35-320 | AST35-390 | AST35-490 |
|            | SPUMBA   | AST35-190   | AST35-280 | AST35-290 | AST35-320 | AST35-390 | AST35-490 |
|            | RUPUMBA  | AST35-190   | AST35-280 |           | AST35-320 |           |           |

Template #8

Top of Pole



| Mounting Option    | Drilling Template | Single | 2 @ 180    | 2 @ 90     | 3 @ 90        | 3 @ 120         | 4 @ 90           |
|--------------------|-------------------|--------|------------|------------|---------------|-----------------|------------------|
| Head Location      |                   | Side B | Side B & D | Side B & C | Side B, C & D | Round Pole Only | Side A, B, C & D |
| Drill Nomenclature | #8                | DM19AS | DM28AS     | DM29AS     | DM39AS        | DM32AS          | DM49AS           |

|         | Drilling Template | Minimum Acceptable Outside Pole Dimension |        |      |      |      |      |
|---------|-------------------|---|--------|------|------|------|------|
| SPA     | #8                | 2-7/8"                                    | 2-7/8" | 3.5" | 3.5" | 3"   | 3.5" |
| RPA     | #8                | 2-7/8"                                    | 2-7/8" | 3.5" | 3.5" | 3"   | 3.5" |
| SPUMBA  | #5                | 2-7/8"                                    | 3"     | 4"   | 4"   | 3.5" | 4"   |
| RUPUMBA | #5                | 2-7/8"                                    | 3.5"   | 5"   | 5"   | 3.5" | 5"   |

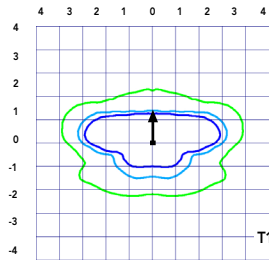
# Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

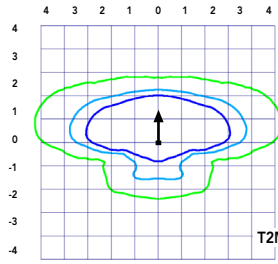
Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

### LEGEND

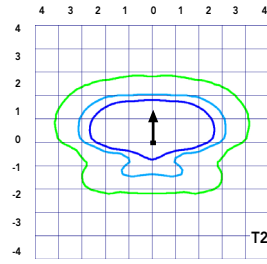
- 0.1 fc
- 0.5 fc
- 1.0 fc



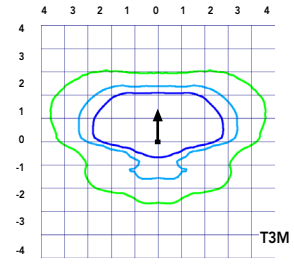
Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



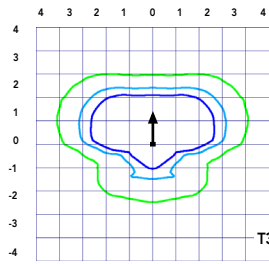
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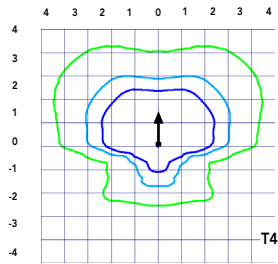
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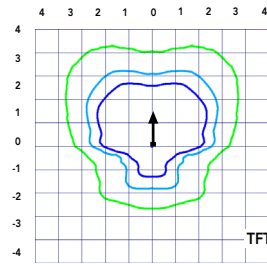
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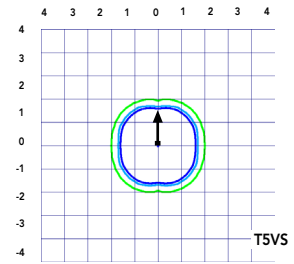
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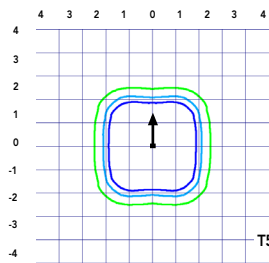
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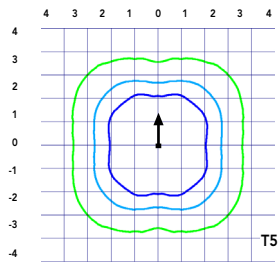
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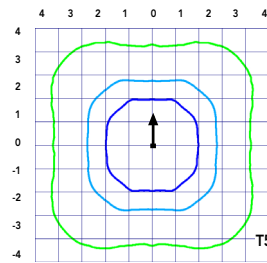
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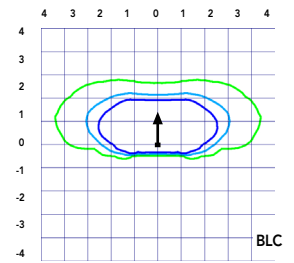
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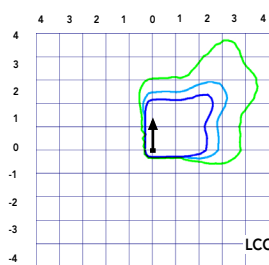
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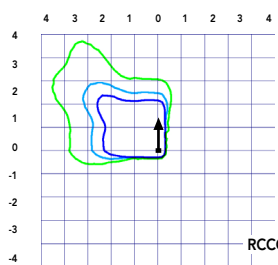
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Test No. LT.L23271 tested in accordance with IESNA LM-79-08.



Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



Test No. LT.L23164B tested in accordance with IESNA LM-79-08.

## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

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

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

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

| Operating Hours | Lumen Maintenance Factor |
|-----------------|--------------------------|
| 0               | 1.00                     |
| 25,000          | 0.96                     |
| 50,000          | 0.92                     |
| 100,000         | 0.85                     |

#### Motion Sensor Default Settings

| Option                 | Dimmed State    | High Level (when triggered) | Photocell Operation | Dwell Time | Ramp-up Time | Ramp-down Time |
|------------------------|-----------------|-----------------------------|---------------------|------------|--------------|----------------|
| PIR or PIRH            | 3V (37%) Output | 10V (100%) Output           | Enabled @ 5FC       | 5 min      | 3 sec        | 5 min          |
| *PIR1FC3V or PIRH1FC3V | 3V (37%) Output | 10V (100%) Output           | Enabled @ 1FC       | 5 min      | 3 sec        | 5 min          |

\*for use when motion sensor is used as dusk to dawn control.

### Electrical Load

|                                      | Performance Package | LED Count | Drive Current | Wattage | Current (A) |      |      |      |      |      |
|--------------------------------------|---------------------|-----------|---------------|---------|-------------|------|------|------|------|------|
|                                      |                     |           |               |         | 120         | 208  | 240  | 277  | 347  | 480  |
| Forward Optics (Non-Rotated)         | P1                  | 30        | 530           | 54      | 0.45        | 0.26 | 0.23 | 0.19 | 0.10 | 0.12 |
|                                      | P2                  | 30        | 700           | 70      | 0.59        | 0.34 | 0.30 | 0.25 | 0.20 | 0.16 |
|                                      | P3                  | 30        | 1050          | 102     | 0.86        | 0.50 | 0.44 | 0.38 | 0.30 | 0.22 |
|                                      | P4                  | 30        | 1250          | 125     | 1.06        | 0.60 | 0.52 | 0.46 | 0.37 | 0.27 |
|                                      | P5                  | 30        | 1400          | 138     | 1.16        | 0.67 | 0.58 | 0.51 | 0.40 | 0.29 |
|                                      | P6                  | 40        | 1250          | 163     | 1.36        | 0.78 | 0.68 | 0.59 | 0.47 | 0.34 |
|                                      | P7                  | 40        | 1400          | 183     | 1.53        | 0.88 | 0.76 | 0.66 | 0.53 | 0.38 |
|                                      | P8                  | 60        | 1050          | 207     | 1.74        | 0.98 | 0.87 | 0.76 | 0.64 | 0.49 |
|                                      | P9                  | 60        | 1250          | 241     | 2.01        | 1.16 | 1.01 | 0.89 | 0.70 | 0.51 |
| Rotated Optics (Requires L90 or R90) | P10                 | 60        | 530           | 106     | 0.90        | 0.52 | 0.47 | 0.43 | 0.33 | 0.27 |
|                                      | P11                 | 60        | 700           | 137     | 1.15        | 0.67 | 0.60 | 0.53 | 0.42 | 0.32 |
|                                      | P12                 | 60        | 1050          | 207     | 1.74        | 0.99 | 0.87 | 0.76 | 0.60 | 0.46 |
|                                      | P13                 | 60        | 1250          | 231     | 1.93        | 1.12 | 0.97 | 0.86 | 0.67 | 0.49 |

#### Controls Options

| Nomenclature  | Description   | Functionality   | Primary control device  | Notes  |
|---------------|---|---|---|--|
| FA0           | Field adjustable output device installed inside the luminaire; wired to the driver dimming leads. | Allows the luminaire to be manually dimmed, effectively trimming the light output.  | FA0 device  | Cannot be used with other controls options that need the 0-10V leads                                 |
| DS            | Drivers wired independently for 50/50 luminaire operation   | The luminaire is wired to two separate circuits, allowing for 50/50 operation.  | Independently wired drivers   | Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative. |
| PERS or PER7  | Twist-lock photocell receptacle   | Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.              | Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM. | Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire                        |
| PIR or PIRH   | Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting          | Luminaires dim when no occupancy is detected.   | Acuity Controls SBGR  | Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.          |
| NLTAIR2 PIRHN | nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.            | Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse. | nLight Air rSDGR  | nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.    |



# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts Contact factory for performance data on any configurations not shown here.

| Forward Optics |               |               |              |            |                      |   |   |   |     |                      |   |   |   |     |                      |   |   |   |     |
|----------------|---------------|---------------|--------------|------------|----------------------|---|---|---|-----|----------------------|---|---|---|-----|----------------------|---|---|---|-----|
| LED Count      | Drive Current | Power Package | System Watts | Dist. Type | 30K (3000 K, 70 CRI) |   |   |   |     | 40K (4000 K, 70 CRI) |   |   |   |     | 50K (5000 K, 70 CRI) |   |   |   |     |
|                |               |               |              |            | Lumens               | B | U | G | LPW | Lumens               | B | U | G | LPW | Lumens               | B | U | G | LPW |
| 30             | 530           | P1            | 54W          | T1S        | 6,457                | 2 | 0 | 2 | 120 | 6,956                | 2 | 0 | 2 | 129 | 7,044                | 2 | 0 | 2 | 130 |
|                |               |               |              | T2S        | 6,450                | 2 | 0 | 2 | 119 | 6,949                | 2 | 0 | 2 | 129 | 7,037                | 2 | 0 | 2 | 130 |
|                |               |               |              | T2M        | 6,483                | 1 | 0 | 1 | 120 | 6,984                | 2 | 0 | 2 | 129 | 7,073                | 2 | 0 | 2 | 131 |
|                |               |               |              | T3S        | 6,279                | 2 | 0 | 2 | 116 | 6,764                | 2 | 0 | 2 | 125 | 6,850                | 2 | 0 | 2 | 127 |
|                |               |               |              | T3M        | 6,468                | 1 | 0 | 2 | 120 | 6,967                | 1 | 0 | 2 | 129 | 7,056                | 1 | 0 | 2 | 131 |
|                |               |               |              | T4M        | 6,327                | 1 | 0 | 2 | 117 | 6,816                | 1 | 0 | 2 | 126 | 6,902                | 1 | 0 | 2 | 128 |
|                |               |               |              | TFTM       | 6,464                | 1 | 0 | 2 | 120 | 6,963                | 1 | 0 | 2 | 129 | 7,051                | 1 | 0 | 2 | 131 |
|                |               |               |              | TSVS       | 6,722                | 2 | 0 | 0 | 124 | 7,242                | 3 | 0 | 0 | 134 | 7,334                | 3 | 0 | 0 | 136 |
|                |               |               |              | T5S        | 6,728                | 2 | 0 | 1 | 125 | 7,248                | 2 | 0 | 1 | 134 | 7,340                | 2 | 0 | 1 | 136 |
|                |               |               |              | T5M        | 6,711                | 3 | 0 | 1 | 124 | 7,229                | 3 | 0 | 1 | 134 | 7,321                | 3 | 0 | 2 | 136 |
|                |               |               |              | TSW        | 6,667                | 3 | 0 | 2 | 123 | 7,182                | 3 | 0 | 2 | 133 | 7,273                | 3 | 0 | 2 | 135 |
|                |               |               |              | BLC        | 5,299                | 1 | 0 | 1 | 98  | 5,709                | 1 | 0 | 2 | 106 | 5,781                | 1 | 0 | 2 | 107 |
|                |               |               |              | LCCO       | 3,943                | 1 | 0 | 2 | 73  | 4,248                | 1 | 0 | 2 | 79  | 4,302                | 1 | 0 | 2 | 80  |
|                |               |               |              | RCCO       | 3,943                | 1 | 0 | 2 | 73  | 4,248                | 1 | 0 | 2 | 79  | 4,302                | 1 | 0 | 2 | 80  |
| 30             | 700           | P2            | 70W          | T1S        | 8,249                | 2 | 0 | 2 | 118 | 8,886                | 2 | 0 | 2 | 127 | 8,999                | 2 | 0 | 2 | 129 |
|                |               |               |              | T2S        | 8,240                | 2 | 0 | 2 | 118 | 8,877                | 2 | 0 | 2 | 127 | 8,989                | 2 | 0 | 2 | 128 |
|                |               |               |              | T2M        | 8,283                | 2 | 0 | 2 | 118 | 8,923                | 2 | 0 | 2 | 127 | 9,036                | 2 | 0 | 2 | 129 |
|                |               |               |              | T3S        | 8,021                | 2 | 0 | 2 | 115 | 8,641                | 2 | 0 | 2 | 123 | 8,751                | 2 | 0 | 2 | 125 |
|                |               |               |              | T3M        | 8,263                | 2 | 0 | 2 | 118 | 8,901                | 2 | 0 | 2 | 127 | 9,014                | 2 | 0 | 2 | 129 |
|                |               |               |              | T4M        | 8,083                | 2 | 0 | 2 | 115 | 8,708                | 2 | 0 | 2 | 124 | 8,818                | 2 | 0 | 2 | 126 |
|                |               |               |              | TFTM       | 8,257                | 2 | 0 | 2 | 118 | 8,896                | 2 | 0 | 2 | 127 | 9,008                | 2 | 0 | 2 | 129 |
|                |               |               |              | TSVS       | 8,588                | 3 | 0 | 0 | 123 | 9,252                | 3 | 0 | 0 | 132 | 9,369                | 3 | 0 | 0 | 134 |
|                |               |               |              | T5S        | 8,595                | 3 | 0 | 1 | 123 | 9,259                | 3 | 0 | 1 | 132 | 9,376                | 3 | 0 | 1 | 134 |
|                |               |               |              | T5M        | 8,573                | 3 | 0 | 2 | 122 | 9,236                | 3 | 0 | 2 | 132 | 9,353                | 3 | 0 | 2 | 134 |
|                |               |               |              | TSW        | 8,517                | 3 | 0 | 2 | 122 | 9,175                | 4 | 0 | 2 | 131 | 9,291                | 4 | 0 | 2 | 133 |
|                |               |               |              | BLC        | 6,770                | 1 | 0 | 2 | 97  | 7,293                | 1 | 0 | 2 | 104 | 7,386                | 1 | 0 | 2 | 106 |
|                |               |               |              | LCCO       | 5,038                | 1 | 0 | 2 | 72  | 5,427                | 1 | 0 | 2 | 78  | 5,496                | 1 | 0 | 2 | 79  |
|                |               |               |              | RCCO       | 5,038                | 1 | 0 | 2 | 72  | 5,427                | 1 | 0 | 2 | 78  | 5,496                | 1 | 0 | 2 | 79  |
| 30             | 1050          | P3            | 102W         | T1S        | 11,661               | 2 | 0 | 2 | 114 | 12,562               | 3 | 0 | 3 | 123 | 12,721               | 3 | 0 | 3 | 125 |
|                |               |               |              | T2S        | 11,648               | 2 | 0 | 2 | 114 | 12,548               | 3 | 0 | 3 | 123 | 12,707               | 3 | 0 | 3 | 125 |
|                |               |               |              | T2M        | 11,708               | 2 | 0 | 2 | 115 | 12,613               | 2 | 0 | 2 | 124 | 12,773               | 2 | 0 | 2 | 125 |
|                |               |               |              | T3S        | 11,339               | 2 | 0 | 2 | 111 | 12,215               | 3 | 0 | 3 | 120 | 12,370               | 3 | 0 | 3 | 121 |
|                |               |               |              | T3M        | 11,680               | 2 | 0 | 2 | 115 | 12,582               | 2 | 0 | 2 | 123 | 12,742               | 2 | 0 | 2 | 125 |
|                |               |               |              | T4M        | 11,426               | 2 | 0 | 3 | 112 | 12,309               | 2 | 0 | 3 | 121 | 12,465               | 2 | 0 | 3 | 122 |
|                |               |               |              | TFTM       | 11,673               | 2 | 0 | 2 | 114 | 12,575               | 2 | 0 | 3 | 123 | 12,734               | 2 | 0 | 3 | 125 |
|                |               |               |              | TSVS       | 12,140               | 3 | 0 | 1 | 119 | 13,078               | 3 | 0 | 1 | 128 | 13,244               | 3 | 0 | 1 | 130 |
|                |               |               |              | T5S        | 12,150               | 3 | 0 | 1 | 119 | 13,089               | 3 | 0 | 1 | 128 | 13,254               | 3 | 0 | 1 | 130 |
|                |               |               |              | T5M        | 12,119               | 4 | 0 | 2 | 119 | 13,056               | 4 | 0 | 2 | 128 | 13,221               | 4 | 0 | 2 | 130 |
|                |               |               |              | TSW        | 12,040               | 4 | 0 | 3 | 118 | 12,970               | 4 | 0 | 3 | 127 | 13,134               | 4 | 0 | 3 | 129 |
|                |               |               |              | BLC        | 9,570                | 1 | 0 | 2 | 94  | 10,310               | 1 | 0 | 2 | 101 | 10,440               | 1 | 0 | 2 | 102 |
|                |               |               |              | LCCO       | 7,121                | 1 | 0 | 3 | 70  | 7,671                | 1 | 0 | 3 | 75  | 7,768                | 1 | 0 | 3 | 76  |
|                |               |               |              | RCCO       | 7,121                | 1 | 0 | 3 | 70  | 7,671                | 1 | 0 | 3 | 75  | 7,768                | 1 | 0 | 3 | 76  |
| 30             | 1250          | P4            | 125W         | T1S        | 13,435               | 3 | 0 | 3 | 107 | 14,473               | 3 | 0 | 3 | 116 | 14,657               | 3 | 0 | 3 | 117 |
|                |               |               |              | T2S        | 13,421               | 3 | 0 | 3 | 107 | 14,458               | 3 | 0 | 3 | 116 | 14,641               | 3 | 0 | 3 | 117 |
|                |               |               |              | T2M        | 13,490               | 2 | 0 | 2 | 108 | 14,532               | 3 | 0 | 3 | 116 | 14,716               | 3 | 0 | 3 | 118 |
|                |               |               |              | T3S        | 13,064               | 3 | 0 | 3 | 105 | 14,074               | 3 | 0 | 3 | 113 | 14,252               | 3 | 0 | 3 | 114 |
|                |               |               |              | T3M        | 13,457               | 2 | 0 | 2 | 108 | 14,497               | 2 | 0 | 2 | 116 | 14,681               | 2 | 0 | 2 | 117 |
|                |               |               |              | T4M        | 13,165               | 2 | 0 | 3 | 105 | 14,182               | 2 | 0 | 3 | 113 | 14,362               | 2 | 0 | 3 | 115 |
|                |               |               |              | TFTM       | 13,449               | 2 | 0 | 3 | 108 | 14,488               | 2 | 0 | 3 | 116 | 14,672               | 2 | 0 | 3 | 117 |
|                |               |               |              | TSVS       | 13,987               | 4 | 0 | 1 | 112 | 15,068               | 4 | 0 | 1 | 121 | 15,259               | 4 | 0 | 1 | 122 |
|                |               |               |              | T5S        | 13,999               | 3 | 0 | 1 | 112 | 15,080               | 3 | 0 | 1 | 121 | 15,271               | 3 | 0 | 1 | 122 |
|                |               |               |              | T5M        | 13,963               | 4 | 0 | 2 | 112 | 15,042               | 4 | 0 | 2 | 120 | 15,233               | 4 | 0 | 2 | 122 |
|                |               |               |              | TSW        | 13,872               | 4 | 0 | 3 | 111 | 14,944               | 4 | 0 | 3 | 120 | 15,133               | 4 | 0 | 3 | 121 |
|                |               |               |              | BLC        | 11,027               | 1 | 0 | 2 | 88  | 11,879               | 1 | 0 | 2 | 95  | 12,029               | 1 | 0 | 2 | 96  |
|                |               |               |              | LCCO       | 8,205                | 1 | 0 | 3 | 66  | 8,839                | 1 | 0 | 3 | 71  | 8,951                | 1 | 0 | 3 | 72  |
|                |               |               |              | RCCO       | 8,205                | 1 | 0 | 3 | 66  | 8,839                | 1 | 0 | 3 | 71  | 8,951                | 1 | 0 | 3 | 72  |
| 30             | 1400          | P5            | 138W         | T1S        | 14,679               | 3 | 0 | 3 | 106 | 15,814               | 3 | 0 | 3 | 115 | 16,014               | 3 | 0 | 3 | 116 |
|                |               |               |              | T2S        | 14,664               | 3 | 0 | 3 | 106 | 15,797               | 3 | 0 | 3 | 114 | 15,997               | 3 | 0 | 3 | 116 |
|                |               |               |              | T2M        | 14,739               | 3 | 0 | 3 | 107 | 15,878               | 3 | 0 | 3 | 115 | 16,079               | 3 | 0 | 3 | 117 |
|                |               |               |              | T3S        | 14,274               | 3 | 0 | 3 | 103 | 15,377               | 3 | 0 | 3 | 111 | 15,572               | 3 | 0 | 3 | 113 |
|                |               |               |              | T3M        | 14,704               | 2 | 0 | 3 | 107 | 15,840               | 3 | 0 | 3 | 115 | 16,040               | 3 | 0 | 3 | 116 |
|                |               |               |              | T4M        | 14,384               | 2 | 0 | 3 | 104 | 15,496               | 3 | 0 | 3 | 112 | 15,692               | 3 | 0 | 3 | 114 |
|                |               |               |              | TFTM       | 14,695               | 2 | 0 | 3 | 106 | 15,830               | 3 | 0 | 3 | 115 | 16,030               | 3 | 0 | 3 | 116 |
|                |               |               |              | TSVS       | 15,283               | 4 | 0 | 1 | 111 | 16,464               | 4 | 0 | 1 | 119 | 16,672               | 4 | 0 | 1 | 121 |
|                |               |               |              | T5S        | 15,295               | 3 | 0 | 1 | 111 | 16,477               | 4 | 0 | 1 | 119 | 16,686               | 4 | 0 | 1 | 121 |
|                |               |               |              | T5M        | 15,257               | 4 | 0 | 2 | 111 | 16,435               | 4 | 0 | 2 | 119 | 16,644               | 4 | 0 | 2 | 121 |
|                |               |               |              | TSW        | 15,157               | 4 | 0 | 3 | 110 | 16,328               | 4 | 0 | 3 | 118 | 16,534               | 4 | 0 | 3 | 120 |
|                |               |               |              | BLC        | 12,048               | 1 | 0 | 2 | 87  | 12,979               | 1 | 0 | 2 | 94  | 13,143               | 1 | 0 | 2 | 95  |
|                |               |               |              | LCCO       | 8,965                | 1 | 0 | 3 | 65  | 9,657                | 1 | 0 | 3 | 70  | 9,780                | 1 | 0 | 3 | 71  |
|                |               |               |              | RCCO       | 8,965                | 1 | 0 | 3 | 65  | 9,657                | 1 | 0 | 3 | 70  | 9,780                | 1 | 0 | 3 | 71  |



# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| Forward Optics |               |               |              |            |                      |   |   |   |     |                      |   |   |   |     |                      |   |   |   |     |
|----------------|---------------|---------------|--------------|------------|----------------------|---|---|---|-----|----------------------|---|---|---|-----|----------------------|---|---|---|-----|
| LED Count      | Drive Current | Power Package | System Watts | Dist. Type | 30K (3000 K, 70 CRI) |   |   |   |     | 40K (4000 K, 70 CRI) |   |   |   |     | 50K (5000 K, 70 CRI) |   |   |   |     |
|                |               |               |              |            | Lumens               | B | U | G | LPW | Lumens               | B | U | G | LPW | Lumens               | B | U | G | LPW |
| 40             | 1250          | P6            | 163W         | T1S        | 17,654               | 3 | 0 | 3 | 108 | 19,018               | 3 | 0 | 3 | 117 | 19,259               | 3 | 0 | 3 | 118 |
|                |               |               |              | T2S        | 17,635               | 3 | 0 | 3 | 108 | 18,998               | 3 | 0 | 3 | 117 | 19,238               | 3 | 0 | 3 | 118 |
|                |               |               |              | T2M        | 17,726               | 3 | 0 | 3 | 109 | 19,096               | 3 | 0 | 3 | 117 | 19,337               | 3 | 0 | 3 | 119 |
|                |               |               |              | T3S        | 17,167               | 3 | 0 | 3 | 105 | 18,493               | 3 | 0 | 3 | 113 | 18,727               | 3 | 0 | 3 | 115 |
|                |               |               |              | T3M        | 17,683               | 3 | 0 | 3 | 108 | 19,049               | 3 | 0 | 3 | 117 | 19,290               | 3 | 0 | 3 | 118 |
|                |               |               |              | T4M        | 17,299               | 3 | 0 | 3 | 106 | 18,635               | 3 | 0 | 4 | 114 | 18,871               | 3 | 0 | 4 | 116 |
|                |               |               |              | TFTM       | 17,672               | 3 | 0 | 3 | 108 | 19,038               | 3 | 0 | 4 | 117 | 19,279               | 3 | 0 | 4 | 118 |
|                |               |               |              | TSVS       | 18,379               | 4 | 0 | 1 | 113 | 19,800               | 4 | 0 | 1 | 121 | 20,050               | 4 | 0 | 1 | 123 |
|                |               |               |              | T5S        | 18,394               | 4 | 0 | 2 | 113 | 19,816               | 4 | 0 | 2 | 122 | 20,066               | 4 | 0 | 2 | 123 |
|                |               |               |              | T5M        | 18,348               | 4 | 0 | 2 | 113 | 19,766               | 4 | 0 | 2 | 121 | 20,016               | 4 | 0 | 2 | 123 |
|                |               |               |              | TSW        | 18,228               | 5 | 0 | 3 | 112 | 19,636               | 5 | 0 | 3 | 120 | 19,885               | 5 | 0 | 3 | 122 |
|                |               |               |              | BLC        | 14,489               | 2 | 0 | 2 | 89  | 15,609               | 2 | 0 | 3 | 96  | 15,806               | 2 | 0 | 3 | 97  |
|                |               |               |              | LCCO       | 10,781               | 1 | 0 | 3 | 66  | 11,614               | 1 | 0 | 3 | 71  | 11,761               | 2 | 0 | 3 | 72  |
|                |               |               |              | RCCO       | 10,781               | 1 | 0 | 3 | 66  | 11,614               | 1 | 0 | 3 | 71  | 11,761               | 2 | 0 | 3 | 72  |
| 40             | 1400          | P7            | 183W         | T1S        | 19,227               | 3 | 0 | 3 | 105 | 20,712               | 3 | 0 | 3 | 113 | 20,975               | 3 | 0 | 3 | 115 |
|                |               |               |              | T2S        | 19,206               | 3 | 0 | 3 | 105 | 20,690               | 3 | 0 | 3 | 113 | 20,952               | 3 | 0 | 3 | 114 |
|                |               |               |              | T2M        | 19,305               | 3 | 0 | 3 | 105 | 20,797               | 3 | 0 | 3 | 114 | 21,060               | 3 | 0 | 3 | 115 |
|                |               |               |              | T3S        | 18,696               | 3 | 0 | 3 | 102 | 20,141               | 3 | 0 | 3 | 110 | 20,396               | 3 | 0 | 4 | 111 |
|                |               |               |              | T3M        | 19,258               | 3 | 0 | 3 | 105 | 20,746               | 3 | 0 | 3 | 113 | 21,009               | 3 | 0 | 3 | 115 |
|                |               |               |              | T4M        | 18,840               | 3 | 0 | 4 | 103 | 20,296               | 3 | 0 | 4 | 111 | 20,553               | 3 | 0 | 4 | 112 |
|                |               |               |              | TFTM       | 19,246               | 3 | 0 | 4 | 105 | 20,734               | 3 | 0 | 4 | 113 | 20,996               | 3 | 0 | 4 | 115 |
|                |               |               |              | TSVS       | 20,017               | 4 | 0 | 1 | 109 | 21,564               | 4 | 0 | 1 | 118 | 21,837               | 4 | 0 | 1 | 119 |
|                |               |               |              | T5S        | 20,033               | 4 | 0 | 2 | 109 | 21,581               | 4 | 0 | 2 | 118 | 21,854               | 4 | 0 | 2 | 119 |
|                |               |               |              | T5M        | 19,983               | 4 | 0 | 2 | 109 | 21,527               | 5 | 0 | 3 | 118 | 21,799               | 5 | 0 | 3 | 119 |
|                |               |               |              | TSW        | 19,852               | 5 | 0 | 3 | 108 | 21,386               | 5 | 0 | 3 | 117 | 21,656               | 5 | 0 | 3 | 118 |
|                |               |               |              | BLC        | 15,780               | 2 | 0 | 3 | 86  | 16,999               | 2 | 0 | 3 | 93  | 17,214               | 2 | 0 | 3 | 94  |
|                |               |               |              | LCCO       | 11,742               | 2 | 0 | 3 | 64  | 12,649               | 2 | 0 | 3 | 69  | 12,809               | 2 | 0 | 3 | 70  |
|                |               |               |              | RCCO       | 11,742               | 2 | 0 | 3 | 64  | 12,649               | 2 | 0 | 3 | 69  | 12,809               | 2 | 0 | 3 | 70  |
| 60             | 1050          | P8            | 207W         | T1S        | 22,490               | 3 | 0 | 3 | 109 | 24,228               | 3 | 0 | 3 | 117 | 24,535               | 3 | 0 | 3 | 119 |
|                |               |               |              | T2S        | 22,466               | 3 | 0 | 4 | 109 | 24,202               | 3 | 0 | 4 | 117 | 24,509               | 3 | 0 | 4 | 118 |
|                |               |               |              | T2M        | 22,582               | 3 | 0 | 3 | 109 | 24,327               | 3 | 0 | 3 | 118 | 24,635               | 3 | 0 | 3 | 119 |
|                |               |               |              | T3S        | 21,870               | 3 | 0 | 4 | 106 | 23,560               | 3 | 0 | 4 | 114 | 23,858               | 3 | 0 | 4 | 115 |
|                |               |               |              | T3M        | 22,527               | 3 | 0 | 4 | 109 | 24,268               | 3 | 0 | 4 | 117 | 24,575               | 3 | 0 | 4 | 119 |
|                |               |               |              | T4M        | 22,038               | 3 | 0 | 4 | 106 | 23,741               | 3 | 0 | 4 | 115 | 24,041               | 3 | 0 | 4 | 116 |
|                |               |               |              | TFTM       | 22,513               | 3 | 0 | 4 | 109 | 24,253               | 3 | 0 | 4 | 117 | 24,560               | 3 | 0 | 4 | 119 |
|                |               |               |              | TSVS       | 23,415               | 5 | 0 | 1 | 113 | 25,224               | 5 | 0 | 1 | 122 | 25,543               | 5 | 0 | 1 | 123 |
|                |               |               |              | T5S        | 23,434               | 4 | 0 | 2 | 113 | 25,244               | 4 | 0 | 2 | 122 | 25,564               | 4 | 0 | 2 | 123 |
|                |               |               |              | T5M        | 23,374               | 5 | 0 | 3 | 113 | 25,181               | 5 | 0 | 3 | 122 | 25,499               | 5 | 0 | 3 | 123 |
|                |               |               |              | TSW        | 23,221               | 5 | 0 | 4 | 112 | 25,016               | 5 | 0 | 4 | 121 | 25,332               | 5 | 0 | 4 | 122 |
|                |               |               |              | BLC        | 18,458               | 2 | 0 | 3 | 89  | 19,885               | 2 | 0 | 3 | 96  | 20,136               | 2 | 0 | 3 | 97  |
|                |               |               |              | LCCO       | 13,735               | 2 | 0 | 3 | 66  | 14,796               | 2 | 0 | 4 | 71  | 14,983               | 2 | 0 | 4 | 72  |
|                |               |               |              | RCCO       | 13,735               | 2 | 0 | 3 | 66  | 14,796               | 2 | 0 | 4 | 71  | 14,983               | 2 | 0 | 4 | 72  |
| 60             | 1250          | P9            | 241W         | T1S        | 25,575               | 3 | 0 | 3 | 106 | 27,551               | 3 | 0 | 3 | 114 | 27,900               | 3 | 0 | 3 | 116 |
|                |               |               |              | T2S        | 25,548               | 3 | 0 | 4 | 106 | 27,522               | 3 | 0 | 4 | 114 | 27,871               | 3 | 0 | 4 | 116 |
|                |               |               |              | T2M        | 25,680               | 3 | 0 | 3 | 107 | 27,664               | 3 | 0 | 3 | 115 | 28,014               | 3 | 0 | 3 | 116 |
|                |               |               |              | T3S        | 24,870               | 3 | 0 | 4 | 103 | 26,791               | 3 | 0 | 4 | 111 | 27,130               | 3 | 0 | 4 | 113 |
|                |               |               |              | T3M        | 25,617               | 3 | 0 | 4 | 106 | 27,597               | 3 | 0 | 4 | 115 | 27,946               | 3 | 0 | 4 | 116 |
|                |               |               |              | T4M        | 25,061               | 3 | 0 | 4 | 104 | 26,997               | 3 | 0 | 4 | 112 | 27,339               | 3 | 0 | 4 | 113 |
|                |               |               |              | TFTM       | 25,602               | 3 | 0 | 4 | 106 | 27,580               | 3 | 0 | 4 | 114 | 27,929               | 3 | 0 | 4 | 116 |
|                |               |               |              | TSVS       | 26,626               | 5 | 0 | 1 | 110 | 28,684               | 5 | 0 | 1 | 119 | 29,047               | 5 | 0 | 1 | 121 |
|                |               |               |              | T5S        | 26,648               | 4 | 0 | 2 | 111 | 28,707               | 5 | 0 | 2 | 119 | 29,070               | 5 | 0 | 2 | 121 |
|                |               |               |              | T5M        | 26,581               | 5 | 0 | 3 | 110 | 28,635               | 5 | 0 | 3 | 119 | 28,997               | 5 | 0 | 3 | 120 |
|                |               |               |              | TSW        | 26,406               | 5 | 0 | 4 | 110 | 28,447               | 5 | 0 | 4 | 118 | 28,807               | 5 | 0 | 4 | 120 |
|                |               |               |              | BLC        | 20,990               | 2 | 0 | 3 | 87  | 22,612               | 2 | 0 | 3 | 94  | 22,898               | 2 | 0 | 3 | 95  |
|                |               |               |              | LCCO       | 15,619               | 2 | 0 | 4 | 65  | 16,825               | 2 | 0 | 4 | 70  | 17,038               | 2 | 0 | 4 | 71  |
|                |               |               |              | RCCO       | 15,619               | 2 | 0 | 4 | 65  | 16,825               | 2 | 0 | 4 | 70  | 17,038               | 2 | 0 | 4 | 71  |



# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| Rotated Optics |               |               |              |            |                      |   |   |   |     |                      |   |   |   |     |                      |   |   |   |     |
|----------------|---------------|---------------|--------------|------------|----------------------|---|---|---|-----|----------------------|---|---|---|-----|----------------------|---|---|---|-----|
| LED Count      | Drive Current | Power Package | System Watts | Dist. Type | 30K (3000 K, 70 CRI) |   |   |   |     | 40K (4000 K, 70 CRI) |   |   |   |     | 50K (5000 K, 70 CRI) |   |   |   |     |
|                |               |               |              |            | Lumens               | B | U | G | LPW | Lumens               | B | U | G | LPW | Lumens               | B | U | G | LPW |
| 60             | 530           | P10           | 106W         | T1S        | 13,042               | 3 | 0 | 3 | 123 | 14,050               | 3 | 0 | 3 | 133 | 14,228               | 3 | 0 | 3 | 134 |
|                |               |               |              | T2S        | 12,967               | 4 | 0 | 4 | 122 | 13,969               | 4 | 0 | 4 | 132 | 14,146               | 4 | 0 | 4 | 133 |
|                |               |               |              | T2M        | 13,201               | 3 | 0 | 3 | 125 | 14,221               | 3 | 0 | 3 | 134 | 14,401               | 3 | 0 | 3 | 136 |
|                |               |               |              | T3S        | 12,766               | 4 | 0 | 4 | 120 | 13,752               | 4 | 0 | 4 | 130 | 13,926               | 4 | 0 | 4 | 131 |
|                |               |               |              | T3M        | 13,193               | 4 | 0 | 4 | 124 | 14,213               | 4 | 0 | 4 | 134 | 14,393               | 4 | 0 | 4 | 136 |
|                |               |               |              | T4M        | 12,944               | 4 | 0 | 4 | 122 | 13,945               | 4 | 0 | 4 | 132 | 14,121               | 4 | 0 | 4 | 133 |
|                |               |               |              | TFTM       | 13,279               | 4 | 0 | 4 | 125 | 14,305               | 4 | 0 | 4 | 135 | 14,486               | 4 | 0 | 4 | 137 |
|                |               |               |              | TSVS       | 13,372               | 3 | 0 | 1 | 126 | 14,405               | 4 | 0 | 1 | 136 | 14,588               | 4 | 0 | 1 | 138 |
|                |               |               |              | T5S        | 13,260               | 3 | 0 | 1 | 125 | 14,284               | 3 | 0 | 1 | 135 | 14,465               | 3 | 0 | 1 | 136 |
|                |               |               |              | T5M        | 13,256               | 4 | 0 | 2 | 125 | 14,281               | 4 | 0 | 2 | 135 | 14,462               | 4 | 0 | 2 | 136 |
|                |               |               |              | TSW        | 13,137               | 4 | 0 | 3 | 124 | 14,153               | 4 | 0 | 3 | 134 | 14,332               | 4 | 0 | 3 | 135 |
|                |               |               |              | BLC        | 10,906               | 3 | 0 | 3 | 103 | 11,749               | 3 | 0 | 3 | 111 | 11,898               | 3 | 0 | 3 | 112 |
|                |               |               |              | LCCO       | 7,789                | 1 | 0 | 3 | 73  | 8,391                | 1 | 0 | 3 | 79  | 8,497                | 1 | 0 | 3 | 80  |
|                |               |               |              | RCCO       | 7,779                | 4 | 0 | 4 | 73  | 8,380                | 4 | 0 | 4 | 79  | 8,486                | 4 | 0 | 4 | 80  |
| 60             | 700           | P11           | 137W         | T1S        | 16,556               | 3 | 0 | 3 | 121 | 17,835               | 3 | 0 | 3 | 130 | 18,061               | 4 | 0 | 4 | 132 |
|                |               |               |              | T2S        | 16,461               | 4 | 0 | 4 | 120 | 17,733               | 4 | 0 | 4 | 129 | 17,957               | 4 | 0 | 4 | 131 |
|                |               |               |              | T2M        | 16,758               | 4 | 0 | 4 | 122 | 18,053               | 4 | 0 | 4 | 132 | 18,281               | 4 | 0 | 4 | 133 |
|                |               |               |              | T3S        | 16,205               | 4 | 0 | 4 | 118 | 17,457               | 4 | 0 | 4 | 127 | 17,678               | 4 | 0 | 4 | 129 |
|                |               |               |              | T3M        | 16,748               | 4 | 0 | 4 | 122 | 18,042               | 4 | 0 | 4 | 132 | 18,271               | 4 | 0 | 4 | 133 |
|                |               |               |              | T4M        | 16,432               | 4 | 0 | 4 | 120 | 17,702               | 4 | 0 | 4 | 129 | 17,926               | 4 | 0 | 4 | 131 |
|                |               |               |              | TFTM       | 16,857               | 4 | 0 | 4 | 123 | 18,159               | 4 | 0 | 4 | 133 | 18,389               | 4 | 0 | 4 | 134 |
|                |               |               |              | TSVS       | 16,975               | 4 | 0 | 1 | 124 | 18,287               | 4 | 0 | 1 | 133 | 18,518               | 4 | 0 | 1 | 135 |
|                |               |               |              | T5S        | 16,832               | 4 | 0 | 1 | 123 | 18,133               | 4 | 0 | 2 | 132 | 18,362               | 4 | 0 | 2 | 134 |
|                |               |               |              | T5M        | 16,828               | 4 | 0 | 2 | 123 | 18,128               | 4 | 0 | 2 | 132 | 18,358               | 4 | 0 | 2 | 134 |
|                |               |               |              | TSW        | 16,677               | 4 | 0 | 3 | 122 | 17,966               | 5 | 0 | 3 | 131 | 18,193               | 5 | 0 | 3 | 133 |
|                |               |               |              | BLC        | 13,845               | 3 | 0 | 3 | 101 | 14,915               | 3 | 0 | 3 | 109 | 15,103               | 3 | 0 | 3 | 110 |
|                |               |               |              | LCCO       | 9,888                | 1 | 0 | 3 | 72  | 10,652               | 2 | 0 | 3 | 78  | 10,787               | 2 | 0 | 3 | 79  |
|                |               |               |              | RCCO       | 9,875                | 4 | 0 | 4 | 72  | 10,638               | 4 | 0 | 4 | 78  | 10,773               | 4 | 0 | 4 | 79  |
| 60             | 1050          | P12           | 207W         | T1S        | 22,996               | 4 | 0 | 4 | 111 | 24,773               | 4 | 0 | 4 | 120 | 25,087               | 4 | 0 | 4 | 121 |
|                |               |               |              | T2S        | 22,864               | 4 | 0 | 4 | 110 | 24,631               | 5 | 0 | 5 | 119 | 24,943               | 5 | 0 | 5 | 120 |
|                |               |               |              | T2M        | 23,277               | 4 | 0 | 4 | 112 | 25,075               | 4 | 0 | 4 | 121 | 25,393               | 4 | 0 | 4 | 123 |
|                |               |               |              | T3S        | 22,509               | 4 | 0 | 4 | 109 | 24,248               | 5 | 0 | 5 | 117 | 24,555               | 5 | 0 | 5 | 119 |
|                |               |               |              | T3M        | 23,263               | 4 | 0 | 4 | 112 | 25,061               | 4 | 0 | 4 | 121 | 25,378               | 4 | 0 | 4 | 123 |
|                |               |               |              | T4M        | 22,824               | 5 | 0 | 5 | 110 | 24,588               | 5 | 0 | 5 | 119 | 24,899               | 5 | 0 | 5 | 120 |
|                |               |               |              | TFTM       | 23,414               | 5 | 0 | 5 | 113 | 25,223               | 5 | 0 | 5 | 122 | 25,543               | 5 | 0 | 5 | 123 |
|                |               |               |              | TSVS       | 23,579               | 5 | 0 | 1 | 114 | 25,401               | 5 | 0 | 1 | 123 | 25,722               | 5 | 0 | 1 | 124 |
|                |               |               |              | T5S        | 23,380               | 4 | 0 | 2 | 113 | 25,187               | 4 | 0 | 2 | 122 | 25,506               | 4 | 0 | 2 | 123 |
|                |               |               |              | T5M        | 23,374               | 5 | 0 | 3 | 113 | 25,181               | 5 | 0 | 3 | 122 | 25,499               | 5 | 0 | 3 | 123 |
|                |               |               |              | TSW        | 23,165               | 5 | 0 | 4 | 112 | 24,955               | 5 | 0 | 4 | 121 | 25,271               | 5 | 0 | 4 | 122 |
|                |               |               |              | BLC        | 19,231               | 4 | 0 | 4 | 93  | 20,717               | 4 | 0 | 4 | 100 | 20,979               | 4 | 0 | 4 | 101 |
|                |               |               |              | LCCO       | 13,734               | 2 | 0 | 3 | 66  | 14,796               | 2 | 0 | 4 | 71  | 14,983               | 2 | 0 | 4 | 72  |
|                |               |               |              | RCCO       | 13,716               | 4 | 0 | 4 | 66  | 14,776               | 4 | 0 | 4 | 71  | 14,963               | 4 | 0 | 4 | 72  |
| 60             | 1250          | P13           | 231W         | T1S        | 25,400               | 4 | 0 | 4 | 110 | 27,363               | 4 | 0 | 4 | 118 | 27,709               | 4 | 0 | 4 | 120 |
|                |               |               |              | T2S        | 25,254               | 5 | 0 | 5 | 109 | 27,205               | 5 | 0 | 5 | 118 | 27,550               | 5 | 0 | 5 | 119 |
|                |               |               |              | T2M        | 25,710               | 4 | 0 | 4 | 111 | 27,696               | 4 | 0 | 4 | 120 | 28,047               | 4 | 0 | 4 | 121 |
|                |               |               |              | T3S        | 24,862               | 5 | 0 | 5 | 108 | 26,783               | 5 | 0 | 5 | 116 | 27,122               | 5 | 0 | 5 | 117 |
|                |               |               |              | T3M        | 25,695               | 5 | 0 | 5 | 111 | 27,680               | 5 | 0 | 5 | 120 | 28,031               | 5 | 0 | 5 | 121 |
|                |               |               |              | T4M        | 25,210               | 5 | 0 | 5 | 109 | 27,158               | 5 | 0 | 5 | 118 | 27,502               | 5 | 0 | 5 | 119 |
|                |               |               |              | TFTM       | 25,861               | 5 | 0 | 5 | 112 | 27,860               | 5 | 0 | 5 | 121 | 28,212               | 5 | 0 | 5 | 122 |
|                |               |               |              | TSVS       | 26,043               | 5 | 0 | 1 | 113 | 28,056               | 5 | 0 | 1 | 121 | 28,411               | 5 | 0 | 1 | 123 |
|                |               |               |              | T5S        | 25,824               | 4 | 0 | 2 | 112 | 27,819               | 5 | 0 | 2 | 120 | 28,172               | 5 | 0 | 2 | 122 |
|                |               |               |              | T5M        | 25,818               | 5 | 0 | 3 | 112 | 27,813               | 5 | 0 | 3 | 120 | 28,165               | 5 | 0 | 3 | 122 |
|                |               |               |              | TSW        | 25,586               | 5 | 0 | 4 | 111 | 27,563               | 5 | 0 | 4 | 119 | 27,912               | 5 | 0 | 4 | 121 |
|                |               |               |              | BLC        | 21,241               | 4 | 0 | 4 | 92  | 22,882               | 4 | 0 | 4 | 99  | 23,172               | 4 | 0 | 4 | 100 |
|                |               |               |              | LCCO       | 15,170               | 2 | 0 | 4 | 66  | 16,342               | 2 | 0 | 4 | 71  | 16,549               | 2 | 0 | 4 | 72  |
|                |               |               |              | RCCO       | 15,150               | 5 | 0 | 5 | 66  | 16,321               | 5 | 0 | 5 | 71  | 16,527               | 5 | 0 | 5 | 72  |

## Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability<sup>1</sup>
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background<sup>1</sup>

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

### nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product.

Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

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

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

Specifications subject to change without notice.





# WEDGE3 LED

## Architectural Wall Sconce



Catalog Number

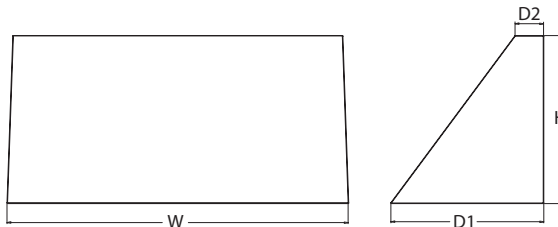
Notes

Type

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

### Specifications

- Depth (D1):** 8"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 18"
- Weight:** 19.5 lbs (without options)



### Introduction

The WEDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WEDGE family provides additional energy savings and code compliance.

WEDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

### WEDGE LED Family Overview

| Luminaire  | Standard EM, 0°C | Cold EM, -20°C | Sensor              | Lumens (4000K) |        |        |        |        |        |
|------------|------------------|----------------|---------------------|----------------|--------|--------|--------|--------|--------|
|            |                  |                |                     | P1             | P2     | P3     | P4     | P5     | P6     |
| WEDGE1 LED | 4W               | --             | --                  | 1,200          | 2,000  | --     | --     | --     | --     |
| WEDGE2 LED | 10W              | 18W            | Standalone / nLight | 1,200          | 2,000  | 3,000  | 4,500  | 6,000  | --     |
| WEDGE3 LED | 15W              | 18W            | Standalone / nLight | 7,500          | 8,500  | 10,000 | 12,000 | --     | --     |
| WEDGE4 LED | --               | --             | Standalone / nLight | 12,000         | 16,000 | 18,000 | 20,000 | 22,000 | 25,000 |

### Ordering Information

**EXAMPLE: WEDGE3 LED P3 40K 70CRI R3 MVOLT SRM DDBXD**

| Series     | Package | Color Temperature | CRI   | Distribution      | Voltage          | Mounting   |
|------------|---------|-------------------|-------|-------------------|------------------|--|
| WEDGE3 LED | P1      | 30K 3000K         | 70CRI | R2 Type 2         | MVOLT            | <b>Shipped included</b><br>SRM Surface mounting bracket<br>ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)*   |
|            | P2      | 40K 4000K         |       | R3 Type 3         | 347 <sup>1</sup> |  |
|            | P3      | 50K 5000K         |       | R4 Type 4         | 480 <sup>1</sup> |  |
|            | P4      |                   |       | RFT Forward Throw |                  |  |
|            |         |                   |       |                   |                  | <b>Shipped separately</b><br>AWS 3/8inch Architectural wall spacer<br>BBW Surface-mounted back box<br>PBBW Premium surface-mounted back box (top, left, right conduit entry) |

| Options  | Finish   |
|--|--|
| <b>E15WH</b> Emergency battery backup, CEC compliant (15W, 5°C min)<br><b>E20WC</b> Emergency battery backup, CEC compliant (18W, -20°C min)<br><b>PE<sup>2</sup></b> Photocell, Button Type<br><b>DMG<sup>3</sup></b> 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)<br><b>BCE</b> Bottom conduit entry for premium back box (PBBW). Total of 4 entry points.<br><b>SPD10KV</b> 10kV Surge pack  | <b>DDBXD</b> Dark bronze<br><b>DBLXD</b> Black<br><b>DNAXD</b> Natural aluminum<br><b>DWHXD</b> White<br><b>DSSXD</b> Sandstone<br><b>DDBTXD</b> Textured dark bronze<br><b>DBLTXD</b> Textured black<br><b>DNATXD</b> Textured natural aluminum<br><b>DWHGXD</b> Textured white<br><b>DSSTXD</b> Textured sandstone |
| <b>Standalone Sensors/Controls</b><br><b>PIR</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.<br><b>PIRH</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.<br><b>PIR1FC3V</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.<br><b>PIRH1FC3V</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.<br><b>Networked Sensors/Controls</b><br><b>NLTAIR2 PIR</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.<br><b>NLTAIR2 PIRH</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.<br>See page 4 for out of box functionality |  |

### Accessories

Ordered and shipped separately.

|                   |  |
|-------------------|--|
| WDGEAWS DDBXD U   | WEDGE 3/8inch Architectural Wall Spacer (specify finish) |
| WDGE3PBBW DDBXD U | WEDGE3 Premium surface-mounted back box (specify finish) |
| WSBBW DDBXD U     | Surface-mounted back box (specify finish)                |

### NOTES

- 347V and 480V not available with E15WH and E20WC.
- PE not available in 480V and with sensors/controls.
- DMG option not available with sensors/controls.
- Not qualified for DLC. Not available with emergency battery backup or sensors/controls



COMMERCIAL OUTDOOR

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WEDGE3 LED  
 Rev. 04/15/20

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| Performance Package | System Watts | Dist. Type | 30K (3000K, 80 CRI) |     |   |   |   | 40K (4000K, 80 CRI) |     |   |   |   | 50K (5000K, 80 CRI) |     |   |   |   |
|---------------------|--------------|------------|---------------------|-----|---|---|---|---------------------|-----|---|---|---|---------------------|-----|---|---|---|
|                     |              |            | Lumens              | LPW | B | U | G | Lumens              | LPW | B | U | G | Lumens              | LPW | B | U | G |
| P1                  | 52W          | R2         | 7,037               | 136 | 1 | 0 | 1 | 7,649               | 148 | 2 | 0 | 1 | 7,649               | 148 | 2 | 0 | 1 |
|                     |              | R3         | 6,922               | 134 | 1 | 0 | 2 | 7,524               | 145 | 1 | 0 | 2 | 7,524               | 145 | 1 | 0 | 2 |
|                     |              | R4         | 7,133               | 138 | 1 | 0 | 2 | 7,753               | 150 | 1 | 0 | 2 | 7,753               | 150 | 1 | 0 | 2 |
|                     |              | RFT        | 6,985               | 135 | 1 | 0 | 2 | 7,592               | 147 | 1 | 0 | 2 | 7,592               | 147 | 1 | 0 | 2 |
| P2                  | 59W          | R2         | 7,968               | 135 | 2 | 0 | 1 | 8,661               | 147 | 2 | 0 | 1 | 8,661               | 147 | 2 | 0 | 1 |
|                     |              | R3         | 7,838               | 133 | 1 | 0 | 2 | 8,519               | 144 | 1 | 0 | 2 | 8,519               | 144 | 1 | 0 | 2 |
|                     |              | R4         | 8,077               | 137 | 1 | 0 | 2 | 8,779               | 149 | 1 | 0 | 2 | 8,779               | 149 | 1 | 0 | 2 |
|                     |              | RFT        | 7,909               | 134 | 1 | 0 | 2 | 8,597               | 146 | 2 | 0 | 2 | 8,597               | 146 | 2 | 0 | 2 |
| P3                  | 71W          | R2         | 9,404               | 132 | 2 | 0 | 1 | 10,221              | 143 | 2 | 0 | 1 | 10,221              | 143 | 2 | 0 | 1 |
|                     |              | R3         | 9,250               | 130 | 2 | 0 | 2 | 10,054              | 141 | 2 | 0 | 2 | 10,054              | 141 | 2 | 0 | 2 |
|                     |              | R4         | 9,532               | 134 | 2 | 0 | 2 | 10,361              | 145 | 2 | 0 | 2 | 10,361              | 145 | 2 | 0 | 2 |
|                     |              | RFT        | 9,334               | 131 | 2 | 0 | 2 | 10,146              | 142 | 2 | 0 | 2 | 10,146              | 142 | 2 | 0 | 2 |
| P4                  | 88W          | R2         | 11,380              | 129 | 2 | 0 | 1 | 12,369              | 140 | 2 | 0 | 1 | 12,369              | 140 | 2 | 0 | 1 |
|                     |              | R3         | 11,194              | 127 | 2 | 0 | 2 | 12,167              | 138 | 2 | 0 | 2 | 12,167              | 138 | 2 | 0 | 2 |
|                     |              | R4         | 11,535              | 131 | 2 | 0 | 2 | 12,538              | 142 | 2 | 0 | 2 | 12,538              | 142 | 2 | 0 | 2 |
|                     |              | RFT        | 11,295              | 128 | 2 | 0 | 2 | 12,277              | 139 | 2 | 0 | 2 | 12,277              | 139 | 2 | 0 | 2 |

### Electrical Load

| Performance Package | System Watts | Current (A) |       |       |       |       |       |
|---------------------|--------------|-------------|-------|-------|-------|-------|-------|
|                     |              | 120V        | 208V  | 240V  | 277V  | 347V  | 480V  |
| P1                  | 52W          | 0.437       | 0.246 | 0.213 | 0.186 | 0.150 | 0.110 |
| P2                  | 59W          | 0.498       | 0.287 | 0.251 | 0.220 | 0.175 | 0.126 |
| P3                  | 71W          | 0.598       | 0.344 | 0.300 | 0.262 | 0.210 | 0.152 |
| P4                  | 88W          | 0.727       | 0.424 | 0.373 | 0.333 | 0.260 | 0.190 |

### Lumen Output in Emergency Mode (4000K, 70 CRI)

| Option | Dist. Type | Lumens |
|--------|------------|--------|
| E15WH  | R2         | 3,185  |
|        | R3         | 3,133  |
|        | R4         | 3,229  |
|        | RFT        | 3,162  |
| E20WC  | R2         | 3,669  |
|        | R3         | 3,609  |
|        | R4         | 3,719  |
|        | RFT        | 3,642  |

### Lumen Ambient Temperature (LAT) Multipliers

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

| Ambient |       | Lumen Multiplier |
|---------|-------|------------------|
| 0°C     | 32°F  | 1.05             |
| 10°C    | 50°F  | 1.03             |
| 20°C    | 68°F  | 1.01             |
| 25°C    | 77°F  | 1.00             |
| 30°C    | 86°F  | 0.99             |
| 40°C    | 104°F | 0.97             |

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

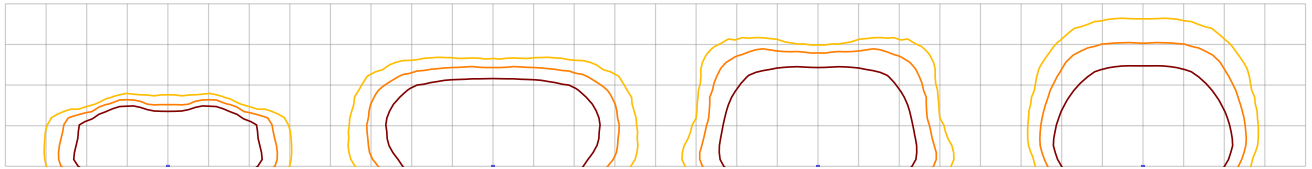
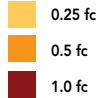
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Operating Hours          | 0   | 25,000 | 50,000 | 100,000 |
|--------------------------|-----|--------|--------|---------|
| Lumen Maintenance Factor | 1.0 | >0.98  | >0.97  | >0.92   |

## Photometric Diagrams

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

### LEGEND



MH = 15ft  
Grid = 15ft x 15ft

WDGE3 LED P3 40K 70CRI R2

WDGE3 LED P3 40K 70CRI R3

WDGE3 LED P3 40K 70CRI R4

WDGE3 LED P3 40K 70CRI RFT

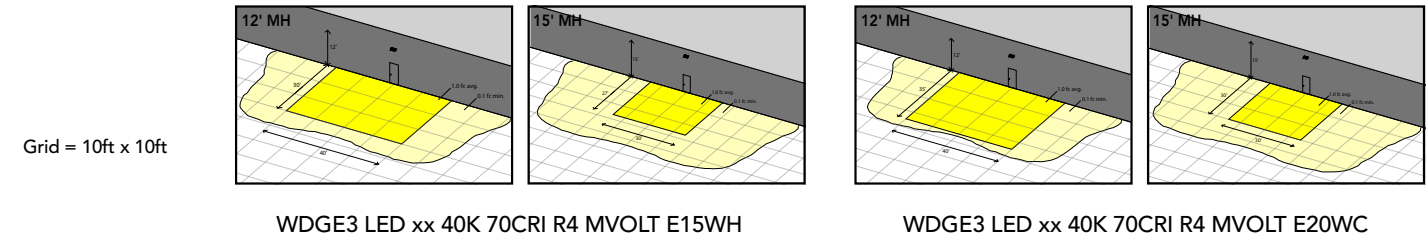
## Emergency Egress Options

### Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain, minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E15WH or E20WC and R4 distribution.



### Motion/Ambient Sensor (PIR, PIRH)

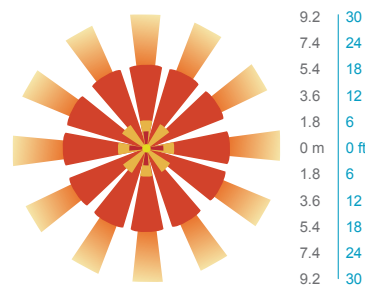
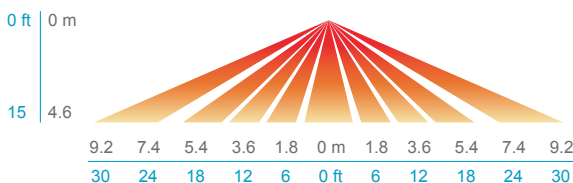
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

### Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

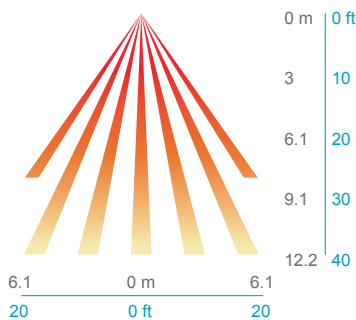
#### PIR

##### HIGH VIEW

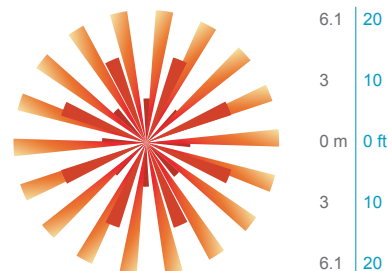


#### PIRH

##### SIDE VIEW



##### TOP VIEW



### Motion/Ambient Sensor Default Settings

| Option                                 | Dim Level   | High Level (when triggered) | Photocell Operation | Motion Time Delay | Ramp-down Time | Ramp-up Time                         |
|--|---|-----------------------------|---------------------|-------------------|----------------|--------------------------------------|
| PIR or PIRH                            | Motion - 3V (37% of full output)<br>Photocell - 0V (turned off) | 10V (100% output)           | Enabled @ 5fc       | 5 min             | 5 min          | Motion - 3 sec<br>Photocell - 45 sec |
| PIR1FC3V, PIRH1FC3V                    | Motion - 3V (37% of full output)<br>Photocell - 0V (turned off) | 10V (100% output)           | Enabled @ 1fc       | 5 min             | 5 min          | Motion - 3 sec<br>Photocell - 45 sec |
| NLTAIR2 PIR, NLTAIR2 PIRH (out of box) | Motion - 3V (37% of full output)<br>Photocell - 0V (turned off) | 10V (100% output)           | Enabled @ 5fc       | 7.5 min           | 5 min          | Motion - 3 sec<br>Photocell - 45 sec |





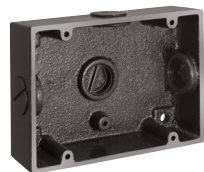
**NLTAIR2 PIR – nLight AIR  
Motion/Ambient Sensor**

D = 8"  
H = 11"  
W = 18"



**PBBW – Premium Back Box**

D = 1.75"  
H = 9"  
W = 18"



**BBW – Standard Back Box**

D = 1.5"  
H = 4"  
W = 5.5"



**AWS – 3/8inch Architectural Wall Spacer**

D = 0.38"  
H = 4.4"  
W = 7.5"

## FEATURES & SPECIFICATIONS

### INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

### CONSTRUCTION

The single-piece die-cast aluminum housing to optimize thermal transfer from the light engine and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. Light engines are available in 3000 K, 4000 K or 5000 K (minimum 70 CRI) configurations. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L92/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2).

### INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated; luminaire is IP65 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature and SRM mounting only.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

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



# WEDGE2 LED

## Architectural Wall Sconce



Catalog Number

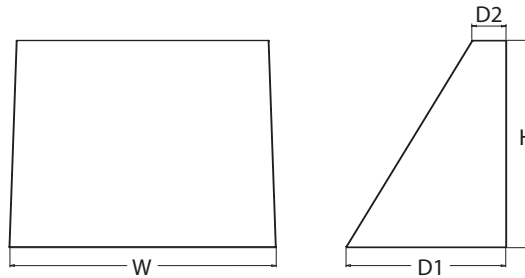
Notes

Type

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

### Specifications

- Depth (D1):** 7"
- Depth (D2):** 1.5"
- Height:** 9"
- Width:** 11.5"
- Weight:** 13.5 lbs  
(without options)



### Introduction

The WEDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WEDGE family provides additional energy savings and code compliance.

WEDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WEDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

### WEDGE LED Family Overview

| Luminaire  | Standard EM, 0°C | Cold EM, -20°C | Sensor              | Lumens (4000K) |        |        |        |        |        |
|------------|------------------|----------------|---------------------|----------------|--------|--------|--------|--------|--------|
|            |                  |                |                     | P1             | P2     | P3     | P4     | P5     | P6     |
| WEDGE1 LED | 4W               | --             | --                  | 1,200          | 2,000  | --     | --     | --     | --     |
| WEDGE2 LED | 10W              | 18W            | Standalone / nLight | 1,200          | 2,000  | 3,000  | 4,500  | 6,000  | --     |
| WEDGE3 LED | 15W              | 18W            | Standalone / nLight | 7,500          | 8,500  | 10,000 | 12,000 | --     | --     |
| WEDGE4 LED | --               | --             | Standalone / nLight | 12,000         | 16,000 | 18,000 | 20,000 | 22,000 | 25,000 |

### Ordering Information

**EXAMPLE: WEDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD**

| Series     | Package         | Color Temperature  | CRI       | Distribution           | Voltage          | Mounting   |  |
|------------|-----------------|--|-----------|------------------------|------------------|--|--|
| WEDGE2 LED | P1 <sup>1</sup> | P1SW   | 27K 2700K | 80CRI                  | MVOLT            | <b>Shipped included</b><br>SRM Surface mounting bracket<br>ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) <sup>2</sup> |  |
|            | P2 <sup>1</sup> | P2SW   | 30K 3000K | 90CRI                  |                  |  | 347 <sup>3</sup>   |
|            | P3 <sup>1</sup> | P3SW   | 35K 3500K |                        | 480 <sup>3</sup> |  | <b>Shipped separately</b><br>AWS 3/8inch Architectural wall spacer<br>BBW Surface-mounted back box<br>PBBW Premium surface-mounted back box (top, left, right conduit entry) |
|            | P4 <sup>1</sup> | Door with small window (SW) is required to accommodate sensors. See page 2 for more details. |           | 40K 4000K              |                  |  |  |
|            | P5 <sup>1</sup> |  |           | 50K <sup>2</sup> 5000K |                  |  |  |

| Options   | Finish   |
|---|--|
| <b>E4WH</b> Emergency battery backup, CEC compliant (4W, 0°C min)<br><b>E10WH</b> Emergency battery backup, CEC compliant (10W, 5°C min)<br><b>E20WC</b> Emergency battery backup, CEC compliant (18W, -20°C min)<br><b>PE<sup>4</sup></b> Photocell, Button Type<br><b>DS<sup>5</sup></b> Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details)<br><b>DMG<sup>6</sup></b> 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)<br><b>BCE</b> Bottom conduit entry for premium back box (PBBW). Total of 4 entry points.   | <b>DDBXD</b> Dark bronze<br><b>DBLXD</b> Black<br><b>DNAXD</b> Natural aluminum<br><b>DWHXD</b> White<br><b>DSSXD</b> Sandstone<br><b>DBBTXD</b> Textured dark bronze<br><b>DBLBXD</b> Textured black<br><b>DNATXD</b> Textured natural aluminum<br><b>DWHGXD</b> Textured white<br><b>DSSTXD</b> Textured sandstone |
| <b>Standalone Sensors/Controls</b> (only available with P1SW, P2SW & P3SW)<br><b>PIR</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.<br><b>PIRH</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching<br><b>PIR1FC3V</b> Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.<br><b>PIRH1FC3V</b> Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.<br><b>Networked Sensors/Controls</b> (only available with P1SW, P2SW & P3SW)<br><b>NLTAIR2 PIR</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.<br><b>NLTAIR2 PIRH</b> nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.<br>See page 4 for out of box functionality |  |



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WEDGE2 LED  
 Rev. 04/15/20

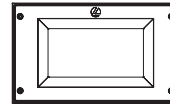
## Accessories

Ordered and shipped separately.

|                   |   |
|-------------------|---|
| WDGEAWS DDBXD U   | WDGE 3/8inch Architectural Wall Spacer (specify finish) |
| WDGE2P8BW DDBXD U | WDGE2 Premium surface-mounted back box (specify finish) |
| WSBBW DDBXD U     | Surface - mounted back box (specify finish)             |

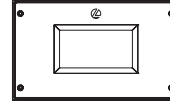
### NOTES

- 1 P1-P5 not available with sensors/controls. Sensors/controls only available with P1SW, P2SW and P3SW.
- 2 50K not available in 90CRI
- 3 347V and 480V not available with E4WH, E10WH, E20WC or DS.
- 4 PE not available in 480V or with sensors/controls
- 5 DS option not available with E4WH, E10WH, E20WC or sensors/controls.
- 6 DMG option not available with sensors/controls
- 7 Not qualified for DLC. Not available with emergency battery backup or sensors/controls



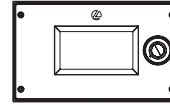
Default configuration with no sensors/controls.

Power Packages: P1, P2, P3, P4, P5



Small Window (SW) configuration

Power Packages: P1SW, P2SW, P3SW



Configuration with sensors/controls

Power Packages: P1SW, P2SW, P3SW

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| Performance Package | System Watts | Dist. Type | 27K (2700K, 80 CRI) |     |   |   |   | 30K (3000K, 80 CRI) |     |   |   |   | 35K (3500K, 80 CRI) |     |   |   |   | 40K (4000K, 80 CRI) |     |   |   |   | 50K (5000K, 80 CRI) |     |   |   |   |
|---------------------|--------------|------------|---------------------|-----|---|---|---|---------------------|-----|---|---|---|---------------------|-----|---|---|---|---------------------|-----|---|---|---|---------------------|-----|---|---|---|
|                     |              |            | Lumens              | LPW | B | U | G | Lumens              | LPW | B | U | G | Lumens              | LPW | B | U | G | Lumens              | LPW | B | U | G | Lumens              | LPW | B | U | G |
| P1 / P1SW           | 10W          | VF         | 1,166               | 119 | 0 | 0 | 0 | 1,209               | 123 | 0 | 0 | 0 | 1,251               | 128 | 0 | 0 | 0 | 1,256               | 128 | 0 | 0 | 0 | 1,254               | 128 | 0 | 0 | 0 |
|                     |              | VW         | 1,197               | 122 | 0 | 0 | 0 | 1,241               | 126 | 0 | 0 | 0 | 1,284               | 131 | 0 | 0 | 0 | 1,289               | 131 | 0 | 0 | 0 | 1,286               | 131 | 0 | 0 | 0 |
| P2 / P2SW           | 15W          | VF         | 1,878               | 129 | 1 | 0 | 0 | 1,947               | 134 | 1 | 0 | 0 | 2,015               | 139 | 1 | 0 | 0 | 2,023               | 139 | 1 | 0 | 0 | 2,019               | 139 | 1 | 0 | 0 |
|                     |              | VW         | 1,927               | 133 | 1 | 0 | 0 | 1,997               | 137 | 1 | 0 | 0 | 2,067               | 142 | 1 | 0 | 0 | 2,075               | 143 | 1 | 0 | 0 | 2,071               | 143 | 1 | 0 | 0 |
| P3 / P3SW           | 23W          | VF         | 2,908               | 129 | 1 | 0 | 0 | 3,015               | 134 | 1 | 0 | 0 | 3,119               | 138 | 1 | 0 | 0 | 3,132               | 139 | 1 | 0 | 0 | 3,126               | 139 | 1 | 0 | 0 |
|                     |              | VW         | 2,983               | 132 | 1 | 0 | 0 | 3,093               | 137 | 1 | 0 | 0 | 3,200               | 142 | 1 | 0 | 0 | 3,213               | 143 | 1 | 0 | 0 | 3,206               | 142 | 1 | 0 | 0 |
| P4                  | 35W          | VF         | 4,096               | 117 | 1 | 0 | 1 | 4,247               | 121 | 1 | 0 | 1 | 4,394               | 126 | 1 | 0 | 1 | 4,412               | 126 | 1 | 0 | 1 | 4,403               | 126 | 1 | 0 | 1 |
|                     |              | VW         | 4,202               | 120 | 1 | 0 | 0 | 4,357               | 125 | 1 | 0 | 1 | 4,508               | 129 | 1 | 0 | 1 | 4,526               | 129 | 1 | 0 | 1 | 4,517               | 129 | 1 | 0 | 1 |
| P5                  | 48W          | VF         | 5,567               | 115 | 1 | 0 | 1 | 5,772               | 119 | 1 | 0 | 1 | 5,972               | 123 | 1 | 0 | 1 | 5,996               | 124 | 1 | 0 | 1 | 5,984               | 124 | 1 | 0 | 1 |
|                     |              | VW         | 5,711               | 118 | 1 | 0 | 1 | 5,921               | 122 | 1 | 0 | 1 | 6,127               | 126 | 1 | 0 | 1 | 6,151               | 127 | 1 | 0 | 1 | 6,139               | 127 | 1 | 0 | 1 |

### Electrical Load

| Performance Package | System Watts | Current (A) |       |       |       |       |       |
|---------------------|--------------|-------------|-------|-------|-------|-------|-------|
|                     |              | 120V        | 208V  | 240V  | 277V  | 347V  | 480V  |
| P1 / P1SW           | 10W          | 0.082       | 0.049 | 0.043 | 0.038 | --    | --    |
|                     | 13W          | --          | --    | --    | --    | 0.046 | 0.033 |
| P2 / P2SW           | 15W          | 0.132       | 0.081 | 0.072 | 0.064 | --    | --    |
|                     | 18W          | --          | --    | --    | --    | 0.056 | 0.041 |
| P3 / P3SW           | 23W          | 0.195       | 0.114 | 0.100 | 0.088 | --    | --    |
|                     | 26W          | --          | --    | --    | --    | 0.079 | 0.058 |
| P4                  | 35W          | 0.302       | 0.175 | 0.152 | 0.134 | --    | --    |
|                     | 38W          | --          | --    | --    | --    | 0.115 | 0.086 |
| P5                  | 48W          | 0.434       | 0.241 | 0.211 | 0.184 | --    | --    |
|                     | 52W          | --          | --    | --    | --    | 0.157 | 0.119 |

### Lumen Multiplier for 90CRI

| CCT | Multiplier |
|-----|------------|
| 27K | 0.845      |
| 30K | 0.867      |
| 35K | 0.845      |
| 40K | 0.885      |
| 50K | 0.898      |

### Lumen Output in Emergency Mode (4000K, 80 CRI)

| Option | Dist. Type | Lumens |
|--------|------------|--------|
| E4WH   | VF         | 646    |
|        | VW         | 647    |
| E10WH  | VF         | 1,658  |
|        | VW         | 1,701  |
| E20WC  | VF         | 2,840  |
|        | VW         | 2,913  |

### Lumen Ambient Temperature (LAT) Multipliers

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

| Ambient      | Lumen Multiplier |
|--------------|------------------|
| 0°C / 32°F   | 1.03             |
| 10°C / 50°F  | 1.02             |
| 20°C / 68°F  | 1.01             |
| 25°C / 77°F  | 1.00             |
| 30°C / 86°F  | 0.99             |
| 40°C / 104°F | 0.98             |

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

| Operating Hours          | 0   | 25,000 | 50,000 | 100,000 |
|--------------------------|-----|--------|--------|---------|
| Lumen Maintenance Factor | 1.0 | >0.96  | >0.95  | >0.91   |



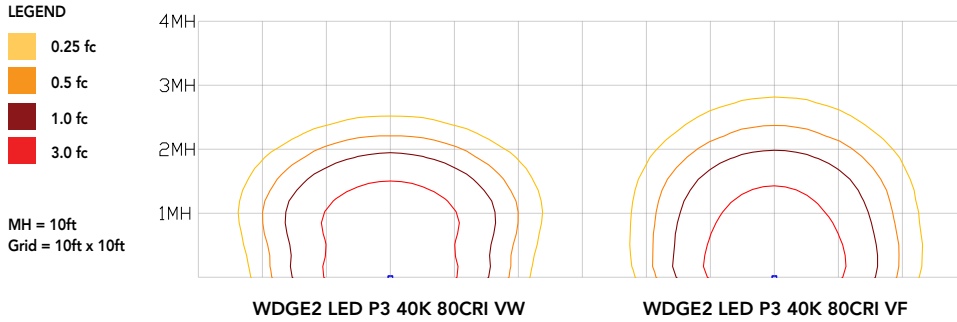
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WDGE2 LED  
Rev. 04/15/20

## Photometric Diagrams

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



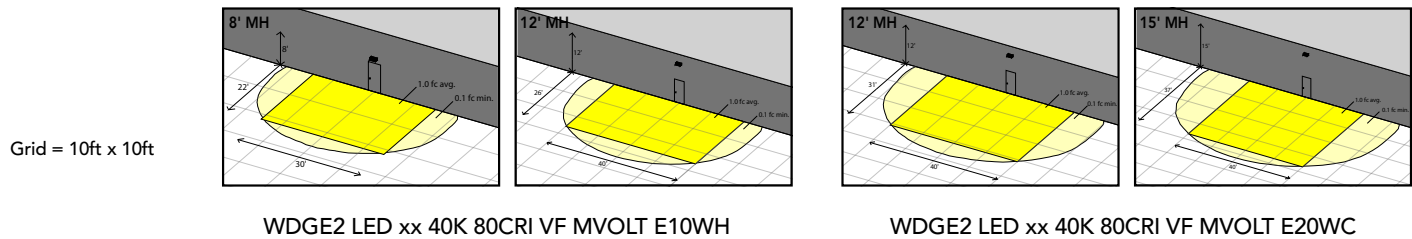
## Emergency Egress Options

### Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

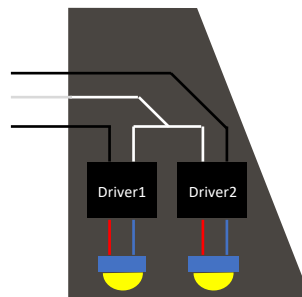
The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E10WH or E20WC and VF distribution.



### Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark. This option is typically used with a back generator or inverter providing emergency power.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



## Control / Sensor Options

### Motion/Ambient Sensor (PIR\_, PIRH\_)

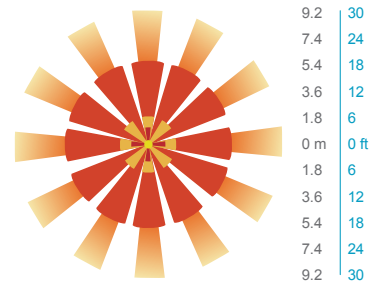
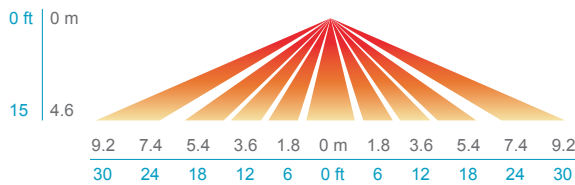
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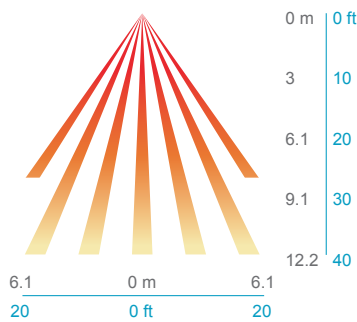
#### PIR

##### HIGH VIEW

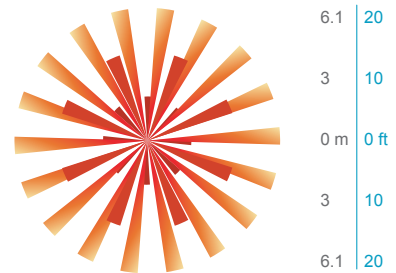


#### PIRH

##### SIDE VIEW



##### TOP VIEW



| Option                                 | Dim Level   | High Level (when triggered) | Photocell Operation | Motion Time Delay | Ramp-down Time | Ramp-up Time                         |
|--|---|-----------------------------|---------------------|-------------------|----------------|--------------------------------------|
| PIR or PIRH                            | Motion - 3V (37% of full output)<br>Photocell - 0V (turned off) | 10V (100% output)           | Enabled @ 5fc       | 5 min             | 5 min          | Motion - 3 sec<br>Photocell - 45 sec |
| PIR1FC3V, PIRH1FC3V                    | Motion - 3V (37% of full output)<br>Photocell - 0V (turned off) | 10V (100% output)           | Enabled @ 1fc       | 5 min             | 5 min          | Motion - 3 sec<br>Photocell - 45 sec |
| NLTAIR2 PIR, NLTAIR2 PIRH (out of box) | Motion - 3V (37% of full output)<br>Photocell - 0V (turned off) | 10V (100% output)           | Enabled @ 5fc       | 7.5 min           | 5 min          | Motion - 3 sec<br>Photocell - 45 sec |



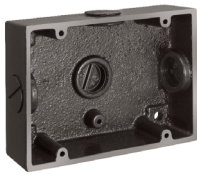
**NLTAIR2 PIR – nLight AIR  
Motion/Ambient Sensor**

D = 7"  
H = 11"  
W = 11.5"



**PBBW – Premium Back Box**

D = 1.75"  
H = 9"  
W = 11.5"



**BBW – Standard Back Box**

D = 1.5"  
H = 4"  
W = 5.5"



**AWS – 3/8inch Architectural Wall Spacer**

D = 0.38"  
H = 4.4"  
W = 7.5"

## FEATURES & SPECIFICATIONS

### INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

### CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2).

### INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

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