

URBAN DESIGN COMMISSION APPLICATION

UDC

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



FOR OFFICE USE ONLY:

Date Received _____ Initial Submittal
Paid _____ Revised Submittal

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

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

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

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

1. Project Information

MADISON, WI, 53716

4701

Address (list all addresses on the project site): 4621 DUTCH MILL ROAD & ELLESTAD
Title: 4621 LLC, 4701 LLC (KELBE BROTHERS EQUIP) DR.

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

UDC meeting date requested _____

New development Alteration to an existing or previously-approved development
 Informational Initial Approval Final Approval

3. Project Type

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

Signage

Comprehensive Design Review (CDR)
 Modifications of Height, Area, and Setback
 Sign Exceptions as noted in Sec. 31.043(3), MGO

Other

Please specify _____

4. Applicant, Agent, and Property Owner Information

Applicant name JEFFREY MILLER Company KELBE BROTHERS EQUIP
Street address 12770 W. SILVER SPRING DR. City/State/Zip BUTLER WI 53007
Telephone 262.781.4970 Email JMILLER@KELBEBROS.COM

Project contact person DAVE PHILLIPS Company BAYLAND BUILDINGS INC
Street address P.O. BOX 13571 City/State/Zip GREEN BAY, WI. 54307
Telephone 262.30P.2580 Email DPHILLIPS@BAYLANDBUILDINGS.COM

Property owner (if not applicant) 4621 LLC AND 4701 LLC
Street address 12770 W. SILVER SPRING DR City/State/Zip BUTLER, WI. 53007
Telephone 262.781.4970 Email JMILLER@KELBEBROS.COM

Introduction

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

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

Types of Approvals

There are three types of requests considered by the UDC:

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

Presentations to the Commission

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

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

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

UDC

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

1. Informational Presentation

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

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

Requirements for All Plan Sheets

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

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

2. Initial Approval

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

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

3. Final Approval

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

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

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

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

5. Required Submittal Materials

Application Form

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

Letter of Intent

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

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

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

Electronic Submittal

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

Notification to the District Alder

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

6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with JESSICA VAUGHN on 10-24-23.
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 JEFFREY MILLER - 4621 LLC Relationship to property OWNER

Authorizing signature of property owner [Signature] Date 10-24-23

7. Application Filing Fees

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

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

- Urban Design Districts: \$350 (per §33.24(6) MGO).
- Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : \$150 (per §33.24(6)(b) MGO)
- Comprehensive Design Review: \$500 (per §31.041(3)(d)(1)(a) MGO)
- Minor Alteration to a Comprehensive Sign Plan: \$100 (per §31.041(3)(d)(1)(c) MGO)
- All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for Sign Modifications (of height, area, and setback), and additional sign code approvals: \$300 (per §31.041(3)(d)(2) MGO)

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

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

February 22, 2024

Letter of Intent

To: City of Madison UDC Commission

Project:

Equipment Repair Garage - Kelbe Brothers
4221 Dutch Mill Rd.
Madison, WI 53716

Project Description:

The proposed project involves an addition to an existing 6,000 sq. ft. building of 4,500 sq. ft. for additional repair stalls, revamping of parking, and equipment display area with modifications to the outside storage area per variance granted on 2-15-24. The removal of an existing home adjacent to at 4701 Ellestad Dr.

Project Schedule:

Construction will begin late summer 2024 and be completed by year end.

Urban District Commission Data:

Urban Design District #1

Exterior Design:

The building will be an all-steel frame building to accept interior crane. It will have brick veneer per plan mixed with steel ribbed metal siding and roof. Metal is used for the high insulation value vs block construction. Existing brick and block will be painted in dark and light gray colors to match new steel per plan.

Signage:

There will be no change to existing signage.

Mechanicals:

Any exterior units will be hidden behind fenced powder coat fencing with non-view slats - 6' tall.

Trash Enclosure:

There is no proposed trash enclosure. Any trash containers will be inside or in the fenced non view area.

Parking:

No additional required. Bike parking is now shown.

Use of Property:

No change to existing. Outside storage location is improved and mud areas will be hard surfaced.

Hours of Operation:

Will not change from existing.

Positives for Approval:

No change of use.

Better outside storage area. (Hidden behind fencing)

Better water on site control.

New landscaping.

Updating colors of building.

Roof steel to match existing.

Building first floor height will remain the same.

New exterior lighting to meet code.

The parking and outside equipment area is on the north side away from highway views.

Submitted By:



2-22-24

Dave Phillips | Project Executive

Date

Bayland Buildings, Inc.

4621 Dutch Mill Rd

A Veterinary
Emergency Service &

18

18

18

18

KELBE
BROTHERS

EQUIPMENT

4 6 2 1

ELBE
ROTHERS
EQUIPMENT







UP

KELBE
BROTHERS
EQUIPMENT

Link-Belt
The Americas

KELBE
EQUIPMENT
SALES - RENTALS
PARTS - SERVICE
408-221-8200

4621 Dutch Mill Rd



Variance Here

North Elevation, View from Ellestad Dr

4621 Dutch Mill Rd



Variance Here

View from Northwest Corner, Dutch Mill Rd

4621 Dutch Mill Rd



North Elevation, from inside site

4621 Dutch Mill Rd



Variance Here

View from inside site

4621 Dutch Mill Rd



View from Dutch Mill Rd

4621 Dutch Mill Rd



Variance Here

West Elevation, View from Dutch Mill Rd

4621 Dutch Mill Rd



West Elevation

4621 Dutch Mill Rd

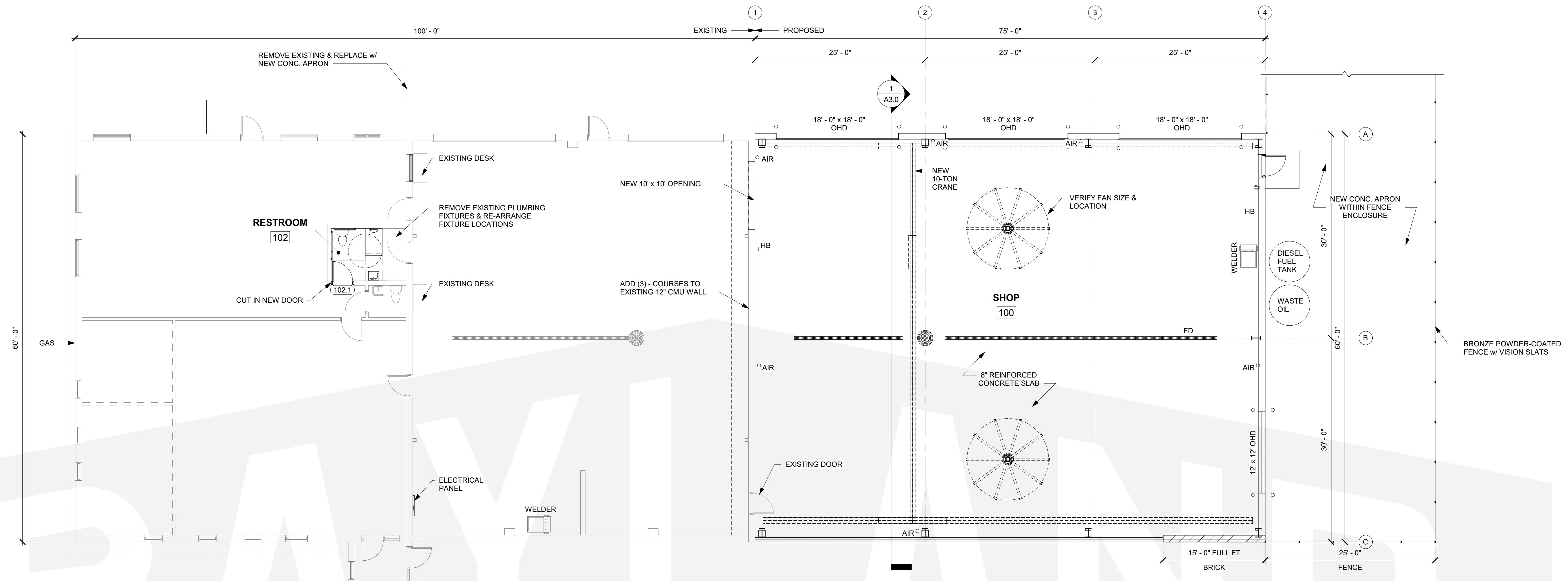


South Elevation – View from E Broadway St

4621 Dutch Mill Rd



South Elevation – View from E Broadway St



1/A1.0 PROPOSED FLOOR PLAN 1/8" = 1'-0" 

PROPOSED BUILDING FOR:

19-0754

SCALE VERIFICATION
THIS BAR MEASURES 1' ON ORIGINAL
ADJUST SCALE ACCORDINGLY

NOTICE OF COPYRIGHT
THESE PLANS ARE COPYRIGHTED AND ARE SUBJECT TO
COPYRIGHT PROTECTION AS AN "ARCHITECTURAL WORK" UNDER
SEC. 102 OF THE U.S. COPYRIGHT ACT OF 1976 AS AMENDED DECEMBER 1990 AND KNOWN AS ARCHITECTURAL WORKS
COPYRIGHT PROTECTION ACT OF 1980. THE PROTECTION
INCLUDES THE DESIGN, PATTERN, PLOTTING, DRAWING, AND
ELEMENTS OF THE DESIGN. UNDER SUCH PROTECTION,
UNAUTHORIZED COPIES OF THE PLANS OR ANY PART THEREOF,
REPRODUCED BY ANY MEANS, OR USED IN THE CONSTRUCTION
OR CONSTRUCTION OF BUILDINGS BEING BUILT OR
REPRESENTED, CAN LEGALLY RESULT IN THE CESSION OF
CONSTRUCTION OR BUILDINGS BEING SEIZED AND/OR MONETARY
COMPENSATION TO BAYLAND BUILDINGS, INC.

JOB NUMBER: 19-0754

PROJECT
EXECUTIVE: DAVE PHILLIPS
(262) 308-2580

DRAWN BY: AJR/CRP/JRG
DATE: 12/13/23

REVISIONS:

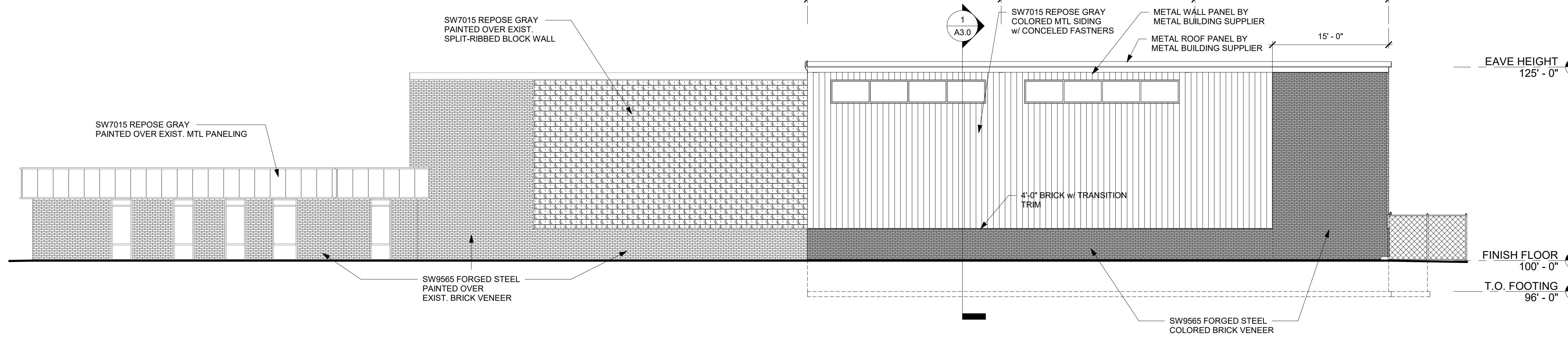
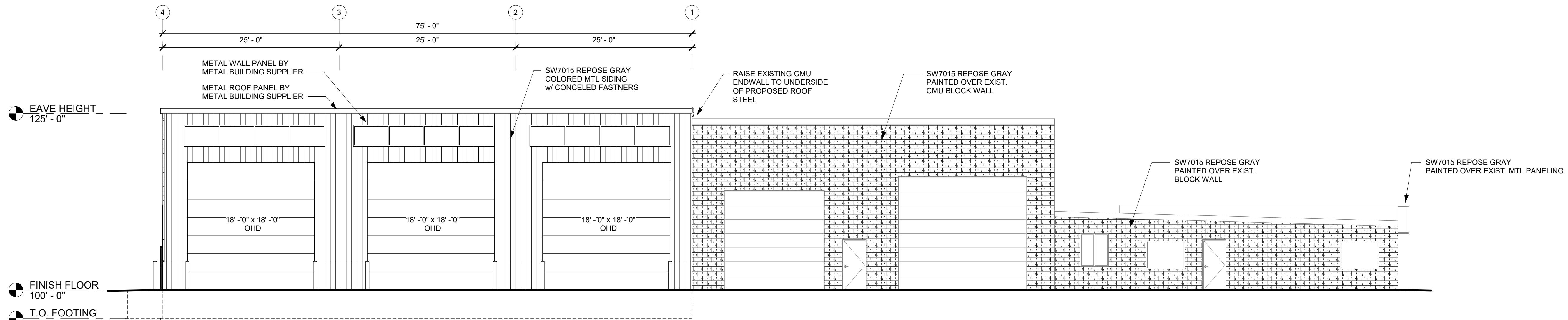
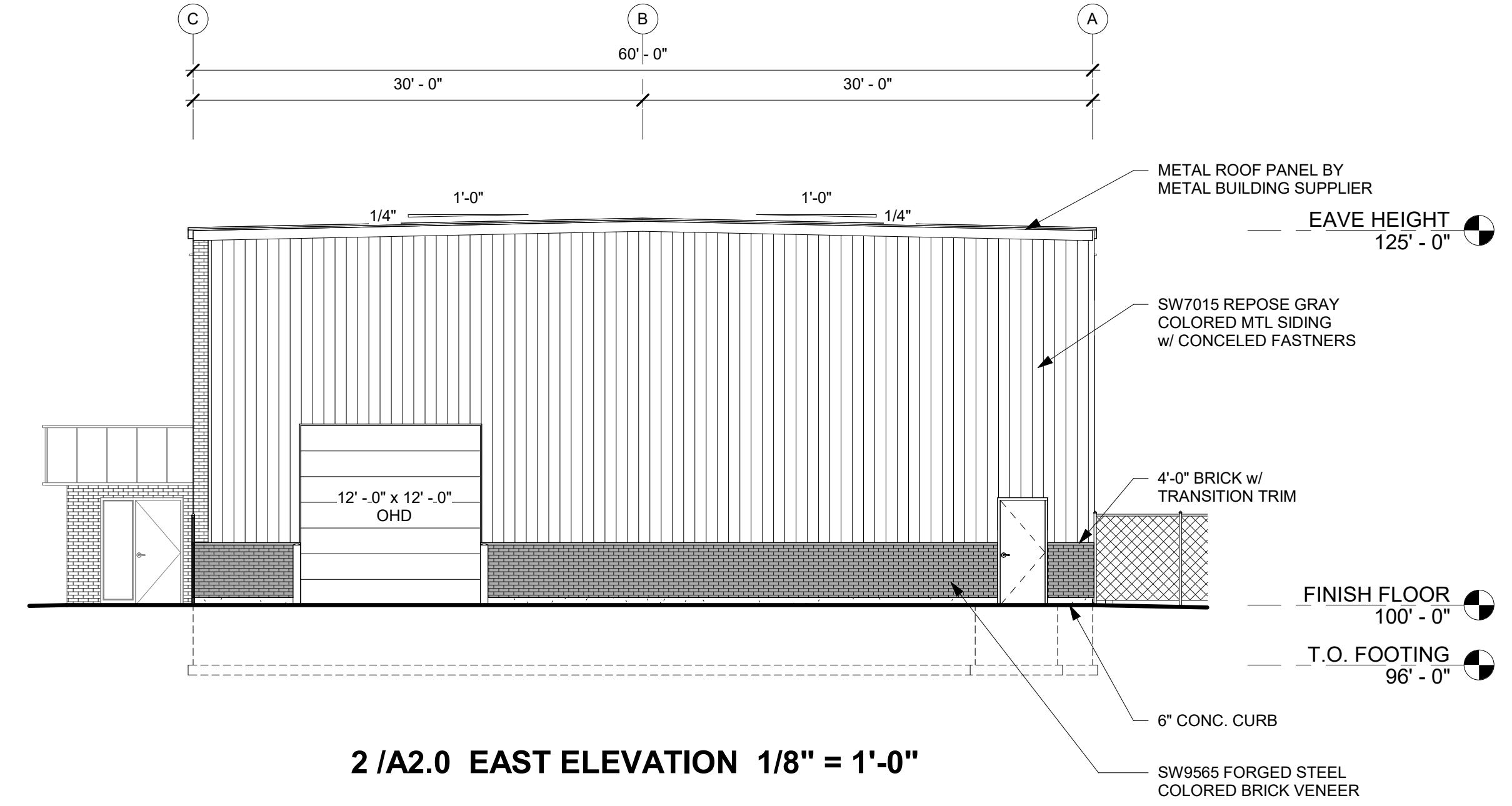
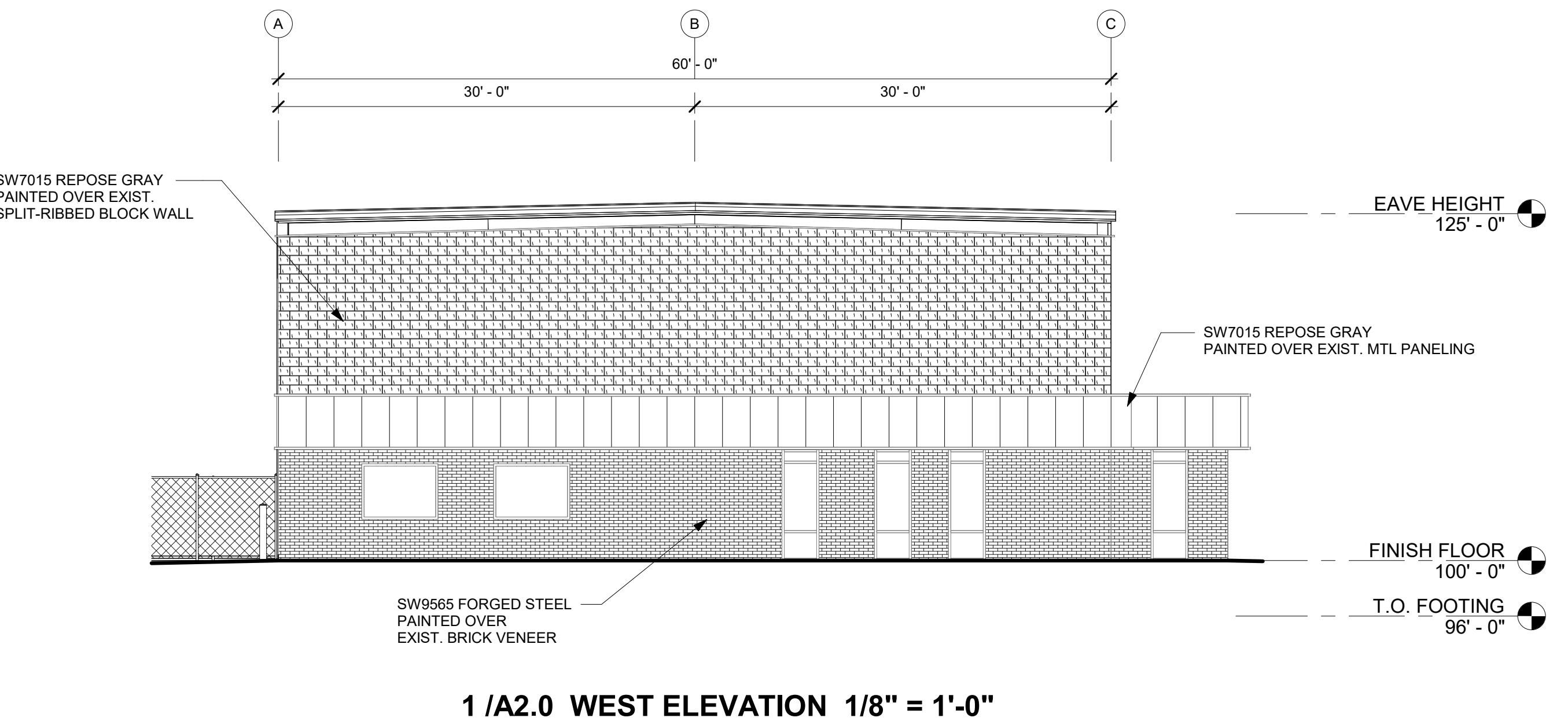


ISSUED FOR: CHECKED DATE:
BY:

- PRELIMINARY
- BID SET
- DESIGN REVIEW
- CHECKSET
- CONSTRUCTION

OVERALL FLOOR PLAN

A1.0



PROPOSED BUILDING FOR:

19-0754

SCALE VERIFICATION
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COMPENSATION TO BAYLAND BUILDINGS, INC.

JOB NUMBER: 19-0754

PROJECT
EXECUTIVE: DAVE PHILLIPS
(262) 308-2580

DRAWN BY: AJR/CRP/JRG
DATE: 12/13/23

REVISIONS:

ISSUED FOR: CHECKED DATE:
BY:
 PRELIMINARY
 BID SET
 DESIGN REVIEW
 CHECKSET
 CONSTRUCTION

EXTERIOR ELEVATIONS
A2.0



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

4621 DUTCH MILL ROAD
EXISTING SITE AND REMOVALS PLAN

EXISTING SITE AND REMOVALS PLAN

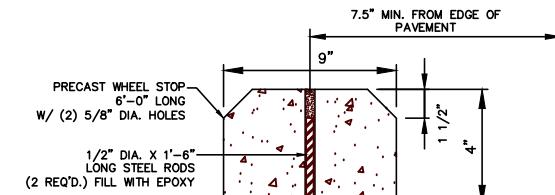
SHEET: C-1
DATED: NOVEMBER 30 2023

QUAM ENGINEERING, LLC

Residential and Commercial Site Design Consultants

www.quamengineering.com
604-515-0000 | 800-665-1555 | 604-515-1552

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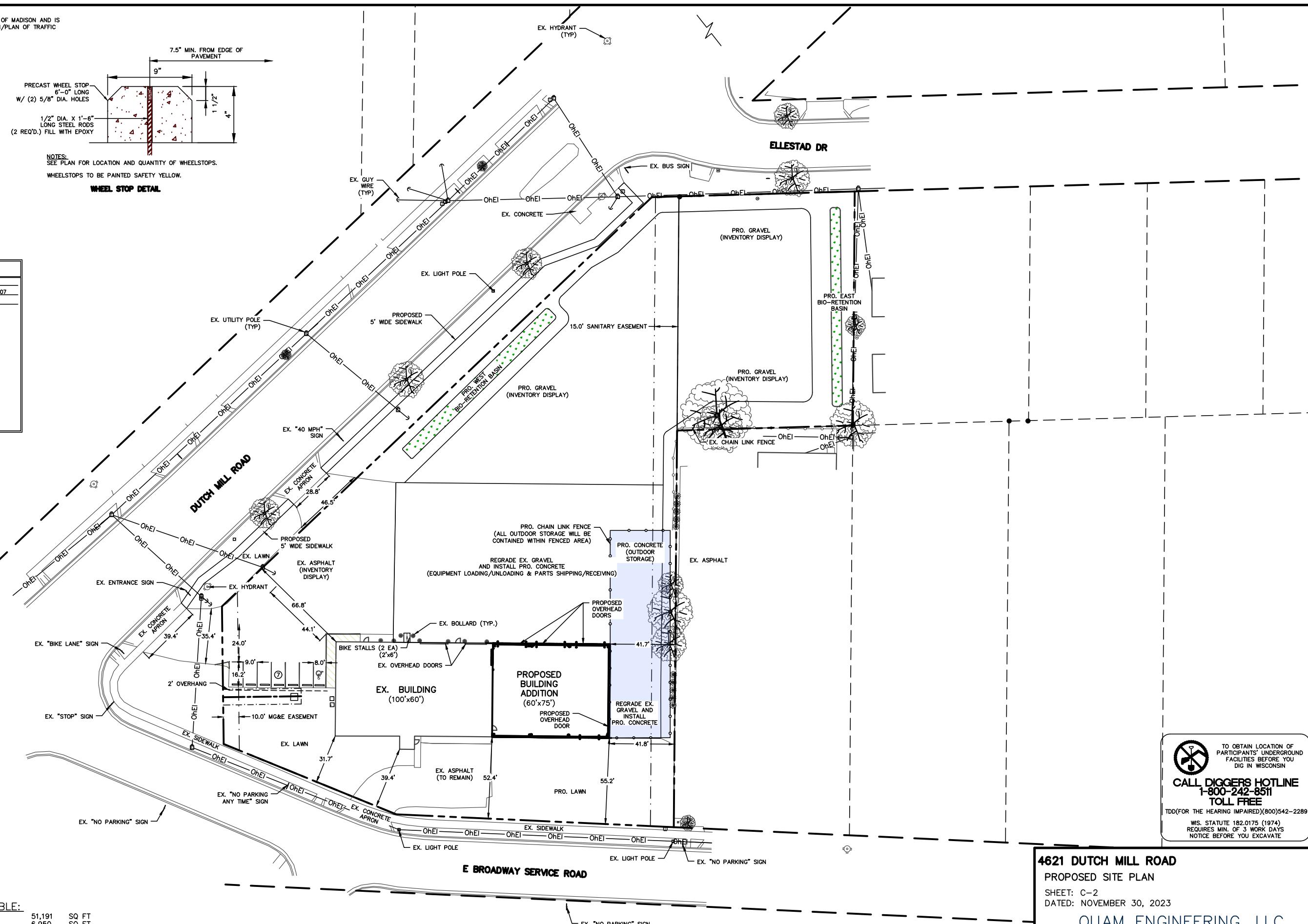


NOTES:
SEE PLAN FOR LOCATION AND QUANTITY OF WHEELSTOPS.
WHEELSTOPS TO BE PAINTED SAFETY YELLOW.

WHEEL STOP DETAIL

0 30 60

SITE PLAN INFORMATION BLOCK	
Owner Name	4621 LLC
Owner Address	12770 W SILVER SPRING DR BUTLER, WI 53007
Site Address	4621 DUTCH MILL ROAD
Site acreage (total)	2.158 ACRES
Use of Property	CONTRACTOR OFFICE AND WAREHOUSE
FLOOR AREA	10,615 S.F.
FLOOR AREA RATIO	N/A
GRAVEL/PAVED AREA	59,213 S.F.
IMPERVIOUS AREA	69,828 S.F.
IMPERVIOUS AREA RATIO	74.3%
BUILDING HEIGHT	EX. BUILDING: 23'4", PRO: 12'
Number of Parking stalls:	
Standard	6
Accessible	1
Total	7
Number of trees shown (See Landscape Plan)	



4621 DUTCH MILL ROAD

PROPOSED SITE PLAN

SHEET: C-2
DATED: NOVEMBER 30, 2023

QUAM ENGINEERING, LLC

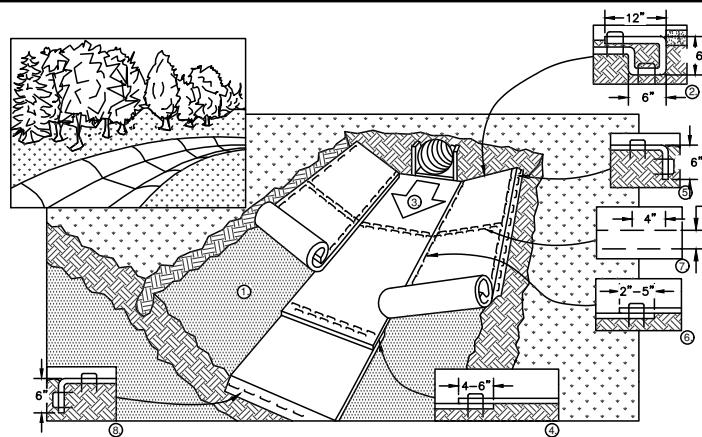
Residential and Commercial Site Design Consultants

 www.quamengineering.com
4604 Siggelkow Road, Suite A – McFarland, Wisconsin 53558
Phone (608) 838-7750; Fax (608) 838-7752

IMPERVIOUS AREA SUMMARY TABLE:

EXISTING IMPERVIOUS AREA AS OF 2001:	51,191 SQ FT
EXISTING IMPERVIOUS AREA ADDED SINCE 2001:	6,950 SQ FT
REDEVELOPED IMPERVIOUS AREA 2023:	26,863 SQ FT
IMPERVIOUS AREA TO BE MAINTAINED/RAISED 2023:	(33,813) SQ FT
PRO. NEW IMPERVIOUS AREA 2023:	25,667 SQ FT

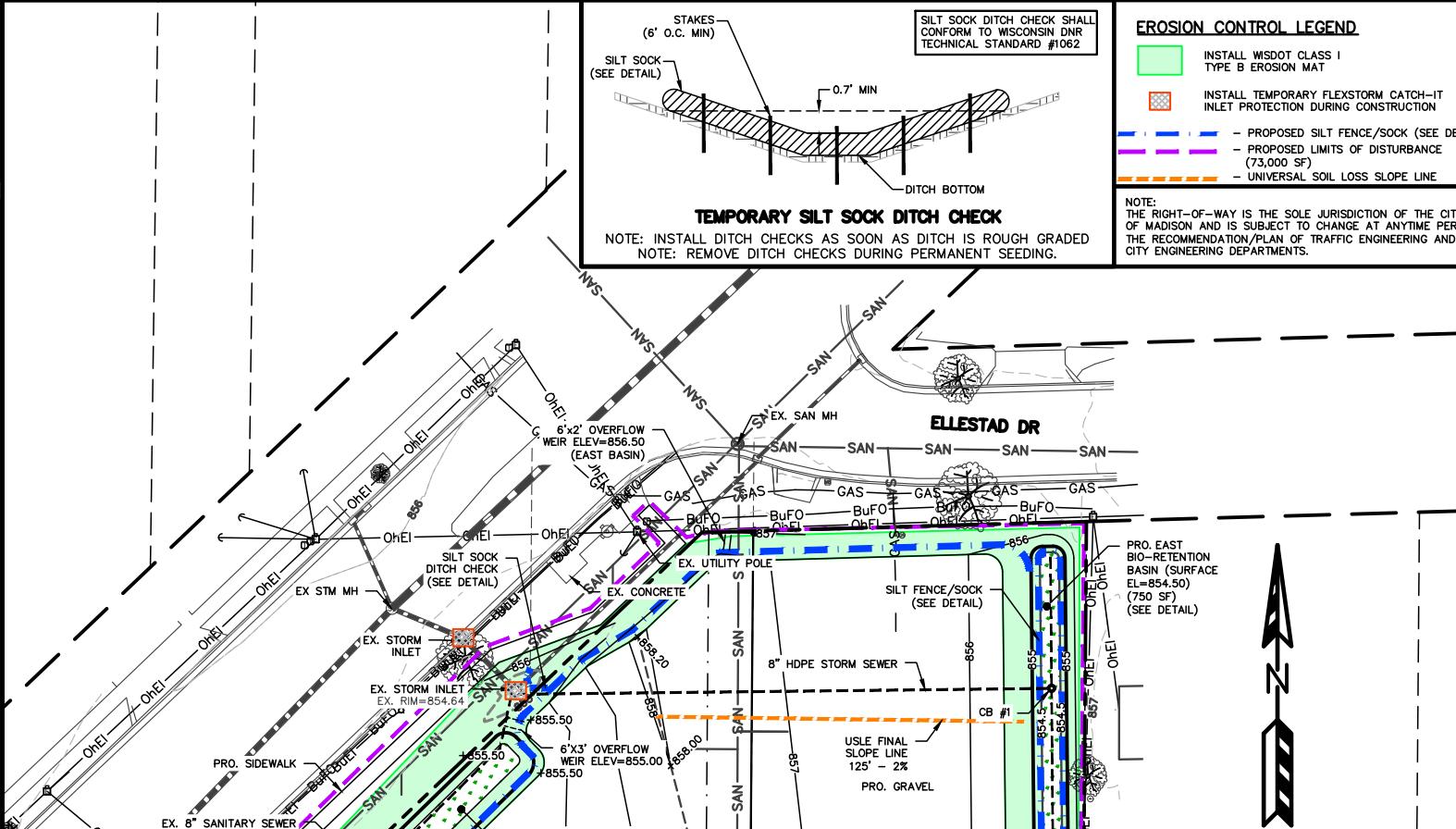
TOTAL IMPERVIOUS AREA AFTER 2023 DEVELOPMENT: 76,878 SQ FT



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE 1:1-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES SPACED APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.
4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPE MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 4" AND STAPLED.
7. A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

NOTE: ALL STAPLES MUST BE 6" OR GREATER IN LENGTH

EROSION CONTROL MAT - CHANNEL INSTALLATION



EROSION CONTROL LEGEND

- INSTALL WISDOT CLASS I TYPE B EROSION MAT
- INSTALL TEMPORARY FLEXSTORM CATCH-IT INLET PROTECTION DURING CONSTRUCTION
- PROPOSED SILT FENCE/SOCK (SEE DETAIL)
- PROPOSED LIMITS OF DISTURBANCE (73,000 SF)
- UNIVERSAL SOIL LOSS SLOPE LINE

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

EROSION NOTES:
THE EXISTING BASE SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION, WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO THE PUBLIC STREET. SEDIMENT REACHING PUBLIC STREET SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORKDAY.

EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO GRADING OPERATIONS AND SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS ESTABLISHED. ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF A 0.5 INCH RAIN EVENT. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.

CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1.

ALL DISTURBED AREAS MUST BE TEMPORARILY STABILIZED WITHIN 14 DAYS OF LAST ACTIVITY. ALL DISTURBED AREAS SHOULD BE STABILIZED WITHIN 7 DAYS OF FINAL GRADING.

PERIMETER CONTROL SHALL BE INSTALLED AROUND STOCKPILES, AND STOCKPILES SHALL BE STABILIZED UNTIL THEY REMAIN INACTIVE FOR 7 DAYS OR LONGER.

EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CORRECTING ALL EROSION CONTROL PROBLEMS THAT ARE A RESULT OF CONSTRUCTION ACTIVITIES. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.

TIME SCHEDULE:

APRIL 15 – 30, 2023

APRIL 30, 2023 – JULY 15, 2024

JULY 1 – 15, 2024

INSTALL INITIAL EROSION CONTROL DEVICES, ROUGH GRADE SITE, DEMOLISH EXISTING HOUSE GARAGE, AND DRIVEWAY AT 4701 ELLESTAD DRIVE.

CONSTRUCT BUILDING ADDITION, STORM SEWER, NEW CONCRETE AND GRAVEL AREAS, AND CITY SIDEWALK.

GRADE AND CONSTRUCT THE BIO-RETENTION BASINS PER DETAILS.

RESTORATION NOTES:

RESTORATION SHALL OCCUR AS SOON AFTER THE DISTURBANCE AS PRACTICAL.

ALL PEROVUS DISTURBED AREAS SHALL RECEIVE A MINIMUM OF FOUR (4) INCHES OF TOPSOIL, SEED, AND MULCH. RESTORATION WILL OCCUR AS SOON AFTER THE DISTURBANCE AS PRACTICAL. THE BIO-RETENTION BASIN SHALL BE RESTORED PER THE BIO-RETENTION BASIN DETAIL. SEED MIXTURE 40 SHALL BE USED ON ALL OTHER DISTURBED AREAS. ALL SEED MIXTURES SHALL BE IN ACCORDANCE WITH SECTION 630 OF D.O.T. SPECIFICATIONS. AN EQUAL AMOUNT OF ANNUAL RYERGRASS SHALL BE ADDED TO THE MIX.

ALL PEROVUS DISTURBED AREAS SHALL RECEIVE FERTILIZER. FERTILIZER SHALL BE THE FOLLOWING MINIMUM REQUIREMENTS: NITROGEN, NOT LESS THAN 16%; PHOSPHORIC ACID, NOT LESS THAN 8%; POTASH, NOT LESS THAN 8%. FERTILIZER SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET. SEED MIXTURES SHALL BE APPLIED AT THE RATE OF FOUR (4) POUNDS PER 1,000 SQUARE FEET. MULCH SHALL CONSIST OF HAY OR STRAW APPLIED AT THE RATE OF TWO (2) TONS PER ACRE.

SEEING FROM SEPTEMBER 16 THROUGH NOVEMBER 15 IS TO BE AVOIDED TO PREVENT FREEZING OF NEW GROWTH. DORMANT SEEDING SHALL BE COMPLETED AFTER NOVEMBER 15. DORMANT SEEDING SHALL NOT BE APPLIED ON TOP OF SNOW. IF DORMANT SEEDING DOES NOT RESULT IN AT LEAST 70% COVER BY MAY 15, ADDITIONAL SEEDING SHALL BE REQUIRED.

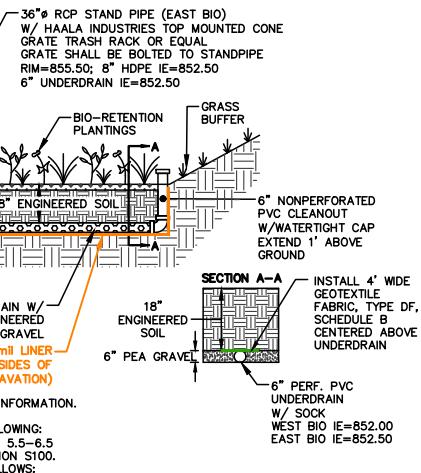
OWNER:

4621 LLC
4621 DUTCH MILL RD
MADISON, WI 53716

ENGINEER:

QUAM ENGINEERING, LLC
ATTN: RYAN QUAM
4604 SIGGELKOW ROAD, SUITE A
MCFARLAND, WI 53558

BIO-RETENTION BASIN SHALL CONFORM TO WISCONSIN DNR TECHNICAL STANDARD #1004



SEE PLAN VIEW FOR ELEVATIONS AND OTHER INFORMATION.

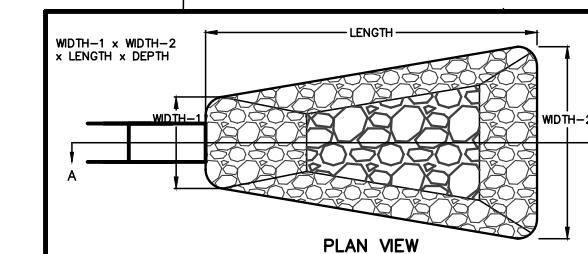
ENGINEERED SOIL SHALL CONSIST OF THE FOLLOWING:
70% SILICA SAND, 30% COMPOST W/ PH 5.5-6.5
COMPOST SHALL MEET WINDR SPECIFICATION ST100.
SAND LAYER SHALL CONSIST OF SAND AS FOLLOWS:
SAND: WASHED QUARTZ OR SILICA 0.02 – 0.04 INCHES IN DIA.

BIO-RETENTION PLANTINGS TO BE PLANTED AT ONE PLUG PER SQUARE FOOT UNLESS SPECIES SELECTED DICTATES WIDER RADIUS. PLUGS TO BE PLANT STOCK NAMED IN THE RAINWATER RENEWAL MIX FROM AGRECOL CORPORATION OR APPROVED EQUIVALENT. A MINIMUM OF 10 DIFFERENT PLANT STOCK NAMES TO BE SELECTED.

CONTRACTOR SHALL PROVIDE COPY OF DELIVERY TICKET OR INVOICE FOR ENGINEERED SOIL AND PEA GRAVEL LAYER FOR AS-BUILT CERTIFICATION PURPOSES.

CONTRACTOR SHALL PROVIDE PICTURES OF EXCAVATED BASIN AND LINER PRIOR TO BACKFILLING WITH ENGINEERED SOIL AND PEA GRAVEL FOR AS-BUILT PURPOSES.

BIO-RETENTION BASIN DETAIL

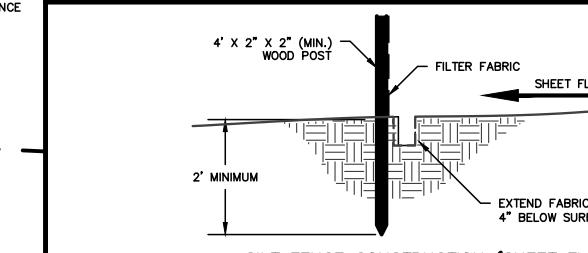


% PASSING BY WEIGHT	SIZE (INCHES)
100	20
50-85	15
20-50	10
5-20	5
0-5	2

SIZES CALCULATED IN BEST D.5.2

RIPRAP SHALL BE PLACED AS DEFINED IN SECTION 606 OF WISCONSIN D.O.T. SPECIFICATIONS. STONE PIECES SHALL BE WELL GRADED, RANGING IN DIAMETER AS DESCRIBED IN THE ADJACENT CHART.

RIPRAP DETAIL



SILT FENCE CONSTRUCTION (SHEET FLOW)



TO OBTAIN LOCATION OF
PARTICIPANTS UNDERGROUND
FACILITIES BEFORE YOU
DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

TDD (FOR THE HEARING IMPAIRED) (800) 542-2289

MS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE

4604 Siggelkow Road, Suite A – McFarland, Wisconsin 53558
Phone (608) 838-7750; Fax (608) 838-7752
www.quamengineering.com

4621 DUTCH MILL ROAD

GRADING AND EROSION CONTROL PLAN

SHEET: C-3

DATED: NOVEMBER 30, 2023

QUAM ENGINEERING, LLC
Residential and Commercial Site Design Consultants



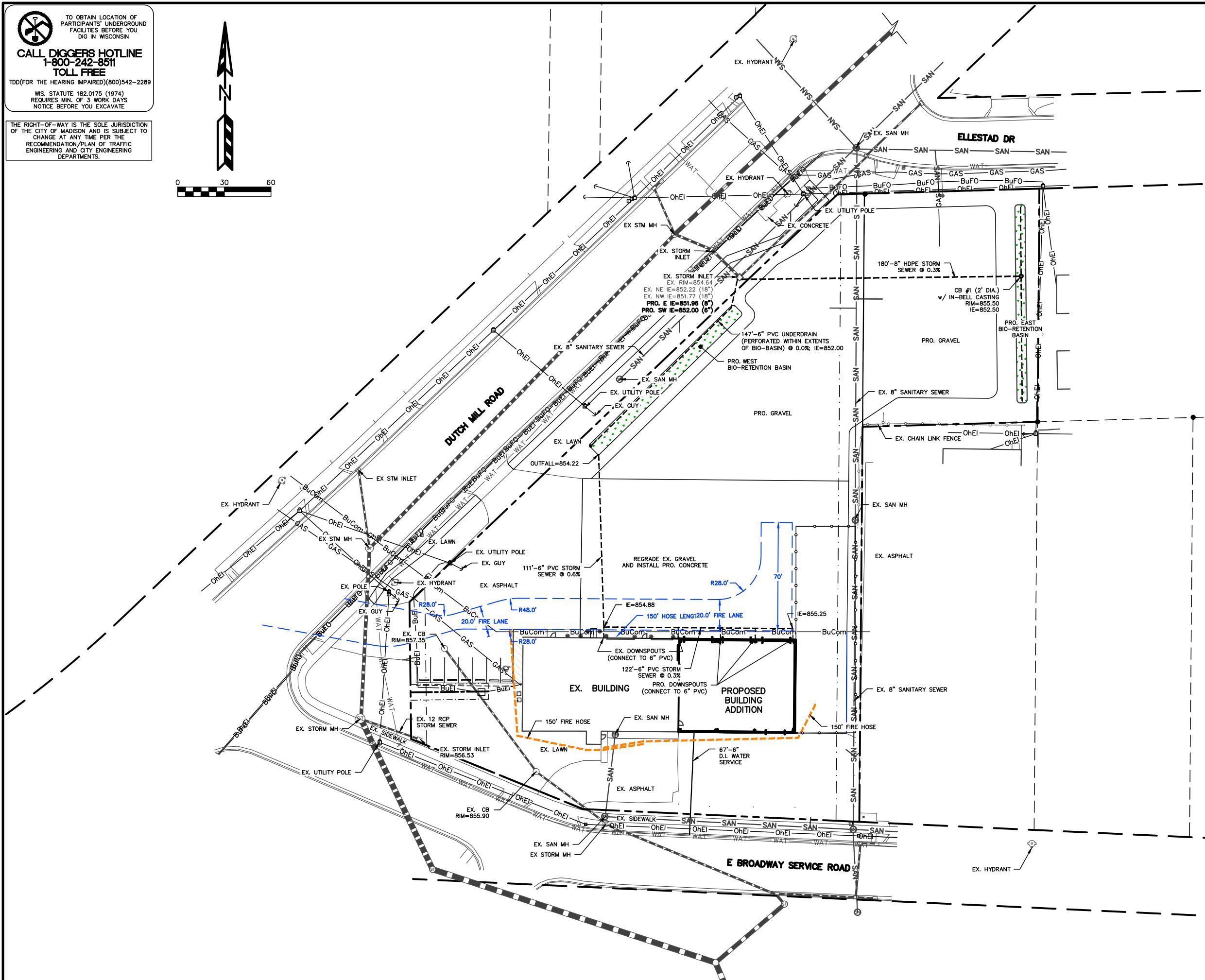
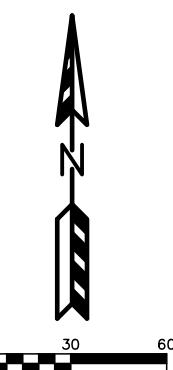
TO OBTAIN LOCATION OF
PARTICIPANTS' UNDERGROUND
FACILITIES BEFORE YOU
DIG IN WISCONSIN

**CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE**

TDD(FOR THE HEARING IMPAIRED)(800)542-2289

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE

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



UTILITY NOTES:

THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, SIZES, MATERIALS, AND ELEVATIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO ENGINEER.

PLUMBER SHALL VERIFY SANITARY LATERAL AND WATER SERVICE SIZE
TO PROPOSED BUILDINGS

ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A
PRE-APPROVED CONTRACTOR AUTHORIZED TO WORK IN THE
RIGHT-OF-WAY.

PRIOR TO BEGINNING SEWER CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A CITY PERMIT TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY AND TO CONNECT TO CITY SEWERS. THE CONTRACTOR SHALL PAY THE PERMIT FEE, INSPECTION FEE, AND STREET DEGRADATION FEE AND SHALL COMPLY WITH ALL CONDITIONS OF THE PERMIT.

THE CONTRACTOR SHALL SUBMIT A WATER SERVICE APPLICATION FORM AND FEES BEFORE CONNECTING TO THE EXISTING WATER SYSTEM. PROVIDE AT LEAST 48-HOUR NOTICE BETWEEN APPLICATION SUBMITTAL AND THE REQUESTED INSTALLATION OR INSPECTION APPOINTMENT. APPLICATION MATERIALS ARE AVAILABLE ON THE WATER UTILITY'S PLUMBERS & CONTRACTORS WEBSITE; OTHERWISE THEY MAY BE OBTAINED FROM THE WATER UTILITY MAIN OFFICE AT 119 E OLIN AVENUE.

THE LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM THE PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.

ALL STORM SEWER SHALL BE HDPE SMOOTH WALL INTERIOR CORRUGATED PIPE AS MANUFACTURED BY ADS OR APPROVED EQUAL. PIPE SHALL HAVE WATERTIGHT JOINTS AND SHALL MEET THE REQUIREMENTS OF AASHTO M-294, TYPE S.

CATCH BASINS AND INLETS SHALL BE CONCRETE AND CONSTRUCTED IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS OR APPROVED EQUAL.

ALL UNDERGROUND EXTERIOR NON-METALLIC SEWERS AND WATER SERVICES MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORDANCE WITH 182.0715(2r) OF STATE STATUTES.

THE 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. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (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. ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION AFTER THE DEVELOPMENT PLAN IS APPROVED WILL REQUIRE AT LEAST A 72-HOUR WAITING PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.

ANY UTILITIES WHICH ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL REPLACE ALL SIDEWALK SIDEWALK AND CURB AND GUTTER THAT ABSUTS THE PROPERTY THAT IS DAMAGED BY CONSTRUCTION, OR ANY SIDEWALK SIDEWALK AND CURB AND GUTTER, WHICH THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE, REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL RESTORE ANY PAVEMENT ON DUTCH MILL ROAD AND EAST BROADWAY SERVICE ROAD ADJACENT TO THE DEVELOPMENT THAT IS DAMAGED BY CONSTRUCTION IN ACCORDANCE WITH THE CITY OF MADISON'S PAVEMENT PATCHING CRITERIA.

4621 DUTCH MILL ROAD

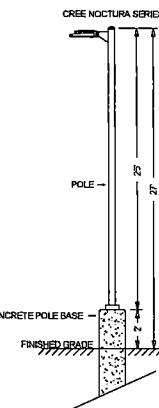
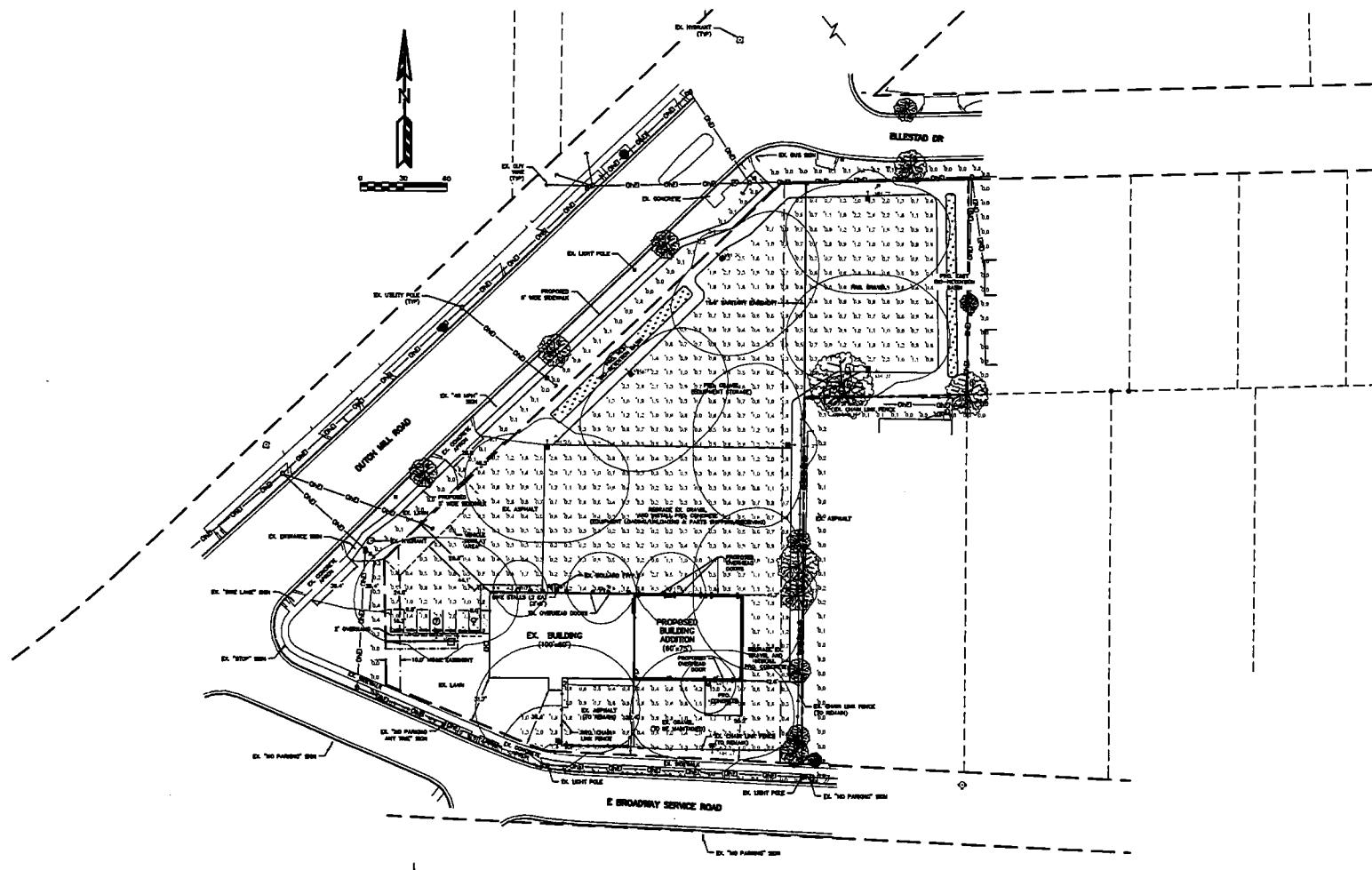
UTILITY & FIRE LANE PLAN

SHEET: C-4

DATED: NOVEMBER 30, 2023

QUAM ENGINEERING, LLC
Residential and Commercial Site Design Consultants

www.quamengineering.com



Fixture mounting height: shown on pan as "MH" in feet above finished grade (AFG)

Luminaire Schedule			Arrangement	Manufacturer	Description	Luminaire Watts	Luminaire Lumens	LLF
Qty	Label	Symbol						
10		■	Single	CREE	NTA-100-14-T1-4000K-120 + NTA-100-13-T1 - NTA-100-12-20 + PNT-212-20 + PNT-148-T-0	75	7100	0.895
4	B	□	Single	CREE	CMPC-RC10-3000K-140	21	1250	0.860

MAINTAINED FOOTCANDLES SHOWN

Calculation Name/entry	Units	Avg	Max	Min	Avg/Min	Max/Min
TMR Past Prop 100% APC	Fc	0.06	0.4	0.0	N/A	N/A
Porking at 0% APC	Fc	0.06	13.1	0.2	4.90	65.00

ERI ENGINEERED REPRESENTATION INC

Date: 11/3/2023 | Scale: 1"=30' | | Layout By: Andy

Project: KELBE BROTHERS EQUIPMENT - 4821 DUTCH MILL ROAD - MADISON, WI

Filename: 231103QU1AKC.AGI

LIGHT LEVELS SHOWN ARE STRICTLY FOR PURPOSES OF ESTIMATING BILL OF MATERIALS AND THE RESULTS ARE BASED ON PROJECT DETAILS GIVEN TO ENGINEERED REPRESENTATION INC. / WALLACK DAVIES & COMPANY LTD. BEFORE OCCUPANCY OF SPACE. ALL PROJECT DETAILS AND LIGHT LEVELS SHOULD BE VERIFIED TO COMPLY WITH SAFETY AND MUNICIPAL CODES.

Noctura Series

LED Area Luminaires

Product Description

The Noctura® LED Area luminaire minimizes cost of ownership with easy installation, high performance and quality backed by a Cree Lighting 5-year limited warranty. The Noctura Series has a coordinated style across area, flood and wall mount luminaires to provide a consistent daytime appearance across a building site or campus. Versatile mounting configurations offer installation flexibility and ease of application for direct pole, tenon or vertical flat surface mounting.

Applications: Ideal for both retrofit and new installation: parking area, security, or site pathway applications.

Performance Summary

Lumen Output: Up to 35,600 lumens

Efficacy: Up to 155 LPW

CRI: Minimum 70 CRI

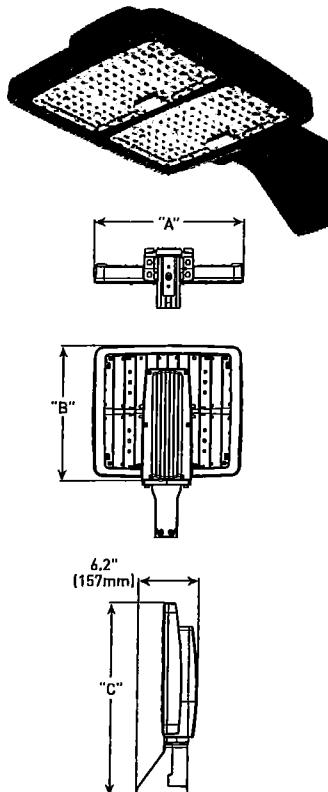
CCT: 4000K, 5000K

Limited Warranty[†]: 5 years on luminaire, mounts, backlight shields, bird spikes, occupancy sensor and cables/1 year on remaining field-installed accessories

[†]See <http://creelighting.com/warranty> for warranty terms

Rev. Date: V14 08/28/2023

11L Direct Mount (NTA-DA-BZ-U)



Accessories

Field-Installed		
Backlight Shield	Button Photocell	Pole Mounted Occupancy Sensor
NTA-BLSF-11L	JL-423CZ	NTX-FSP221B-S-L7-W
- For use with 11L only	Cable	- Requires XA-SENSREM
NTA-BLSF-19L	NTX-QC-5 [120-277 Volt only]	Hand-Held Remote
- For use with 19L only	NTX-QC-5-U [120-480 Volt]	XA-SENSREM
NTA-BLSF-35L	- 5' [1.5m] cable replacement	- For successful implementation of the Pole Mounted Occupancy sensor, a minimum of one hand-held remote is required
- For use with 35L only	Shorting Cap	
Bird Spikes	XA-XSLSHRT	
NTA-BRDSPK-19L		
- For use with 19L only		
NTA-BRDSPK-35L		
- For use with 35L only		

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

Example: Mount: NTA-DA-BZ-U + Luminaire: NTA-A-NM-T3-11L-40K-UL-BZ

Mount (Luminaire must be ordered separately)*		
Direct Arm Mounts	Adjustable Arm Mounts	Trunnion Mounts
NTA-DA-BZ-U [120-480 Volt]	NTX-AA-BZ-U [120-480 Volt]	NTX-TR-BZ-U [120-480 Volt]
- Direct Arm Mount	- Adjustable Arm Mount w/ knockout for Field-Installed Button Photocell (by others)	- Trunnion Mount
NTX-7R-BZ-U [120-480 Volt]	NTX-AA-7R-BZ-U [120-480 Volt]	NTX-TR-7R-BZ-U [120-480 Volt]
- Extended Arm includes a NEMA® 7-pin Photocell Receptacle	- Adjustable Arm Mount w/NEMA® 7-pin Photocell Receptacle	- Trunnion Mount w/knockout for Field-Installed Button Photocell (by others)
- Must be used with NTA-DA-BZ-U mount		
NTX-3R-BZ [120-277 Volt]		
- Extended Arm includes a NEMA® 3-pin Photocell Receptacle		
- Must be used with NTA-DA-BZ-U mount		
Note: NEMA® 3-pin and 7-pin Photocell Receptacles require photocell or shorting cap by others		

* Reference EPA and pole configuration suitability data beginning on page 9

Lumen Package	Weight**	Dim "A"	Dim "B"	Dim "C"
11L*	12.5 lbs. (5.7kg)	10.6" (269mm)	12.9" (328mm)	18.7" (476mm)
19L*	16.0 lbs. (7.3kg)	15.4" (391mm)	13.8" (351mm)	19.6" (499mm)
35L*	21.1 lbs. (9.6kg)	15.4" (391mm)	19.8" (502mm)	25.6" (650mm)

* See pages 3-5 for additional line drawings

** Includes housing & mount (for housing weight only refer to page 2)

Note: Refer to page 10 for fixture mounting drill pattern.

Luminaire (Mount must be ordered separately)***							
Product	Version	Mounting	Optic*	Lumen Package**	CCT	Voltage	Color Options
Available 11L Product Combinations							
NTA	A	NM	T3 - Type III	11L	40K	UL - 120-277V	BZ
NTA	A	NM	T4 - Type IV	11L	40K	UL - 120-277V	BZ
Available 19L Product Combinations							
NTA	A	NM	T3 - Type III	19L	40K	UL - 120-277V	BZ
NTA	A	NM	T4 - Type IV	19L	40K	UL - 120-277V	BZ
NTA	A	NM	T4 - Type IV	19L	50K	UL - 120-277V	BZ
NTA	A	NM	T5 - Type V	19L	40K	UL - 120-277V	BZ
NTA	A	NM	T5 - Type V	19L	50K	UL - 120-277V	BZ
Available 35L Product Combinations							
NTA	A	NM	T3 - Type III	35L	40K	UL - 120-277V	BZ
NTA	A	NM	T3 - Type III	35L	50K	UL - 120-277V	BZ
NTA	A	NM	T4 - Type IV	35L	40K	UL - 120-277V	BZ
NTA	A	NM	T4 - Type IV	35L	50K	UL - 120-277V	BZ
NTA	A	NM	T5 - Type V	35L	40K	UL - 120-277V	BZ
NTA	A	NM	T5 - Type V	35L	50K	UL - 120-277V	BZ

* Available with Backlight Shield when ordered with field-installed accessory (see table above)

** Lumen Package codes identify approximate light output only. Actual lumen output levels may vary depending on CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

*** Note: Limited product availability. Consult factory for availability



US: creelighting.com (800) 236-6800

Canada: creelighting-canada.com (800) 473-1234

CREE LIGHTING®

Noctura® LED Area Luminaire

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with weathertight integral LED driver compartment which is specifically designed for advanced LED thermal management
- Housing and mounting accessories finished in bronze polyester powder coat paint, 2.5 mil nominal thickness
- Mounting options include: adjustable arm w/knockout provision for field-installed button type photocell (by others), adjustable arm w/NEMA® 7-pin photocell receptacle, trunnion mount, trunnion mount w/NEMA® 7-pin photocell receptacle, trunnion mount w/knockout provision for field-installed button type photocell (by others), and direct arm mount
- Extension arm accessory for direct arm mount with a NEMA® 3-pin or 7-pin photocell receptacle
- Photocell or shorting cap by others
- Adjustable arm mount is constructed of rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenons. It includes tooth lock aiming that can be adjusted from 0° (horizontal) to 45° in 5° increments
- Trunnion mount features rugged steel construction, mounts to vertical flat surfaces, and can be adjusted from 0° (horizontal) to 45° in 15° increments
- Direct arm is constructed of rugged die cast aluminum and mounts to 3-6" (76-152mm) square poles or 4-5" (102-127mm) round poles with (2) 5/16" bolts
- Mount secures to luminaire housing with (4) 5/16" bolts and lock washers (included)
- Designed for downlight applications only, 45-degree tilt maximum
- **Housing Weight:** 11L-8.6 lbs. (3.9kg); 19L-12.1 lbs. (5.5kg); 35L-17.2 lbs. (7.8kg)

OPTICS

- Mid-power LED array Area optics are available in IES Type III, IV and V distributions for 4000K and 5000K CCTs with a minimum of 70 CRI. Efficacies up to 155 LPW for minimal energy consumption. Backlight shields are available for light trespass and glare control.

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV/5kA surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Quick connect supply cord makes installation easy
- Designed with 0-10V dimming capabilities. Controls by others
- **10V Source Current:** 0.20 mA
- **Operating Temperature Range:** -30°C - +40°C (-22°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL Recognized in accordance with UL8750
- Enclosure meets IP66 requirements per IEC 60529
- Direct and adjustable arms are certified to ANSI C136.31-2018, 3G vibration standards. Trunnion mounts are certified to ANSI C136.31-2001, 1.5G vibration standards
- ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions

- RoHS compliant. Consult factory for additional details
-  **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*

Lumen Package	System Watts 120-277V	Total Current (A)			
		120V	208V	240V	277V
11L	75	0.75	0.40	0.35	0.30
19L	130	1.30	0.75	0.65	0.56
35L	230	2.30	1.33	1.15	1.00

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V +/-10%

Noctura Series Ambient Adjusted Lumen Maintenance¹

Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimated ³ LMF
5°C (41°F)	1.04	0.98	0.92	0.87	0.82
10°C (50°F)	1.03	0.97	0.91	0.86	0.81
15°C (59°F)	1.02	0.96	0.91	0.85	0.80
20°C (68°F)	1.01	0.95	0.90	0.84	0.79
25°C (77°F)	1.00	0.94	0.89	0.83	0.79
30°C (86°F)	0.99	0.93	0.88	0.83	0.78
35°C (95°F)	0.98	0.93	0.87	0.82	0.77
40°C (104°F)	0.97	0.92	0.86	0.81	0.76

¹Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

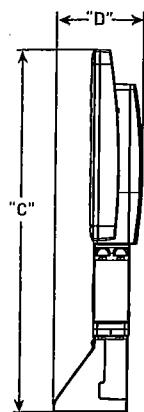
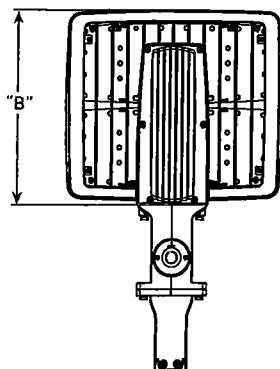
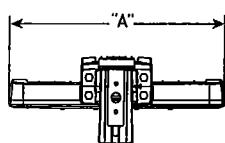
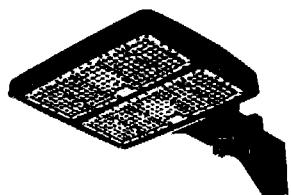
²In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

Noctura® LED Area Luminaire

19L

Direct Mount w/ Extended Arm, NEMA® 3-Pin or 7-pin Photocell Receptacle
(NTA-DA-BZ-U w/ NTX-3R-BZ or NTX-7R-BZ-U)

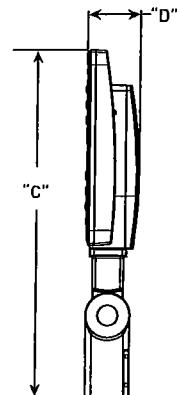
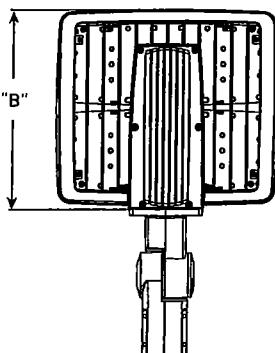
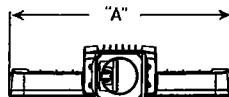
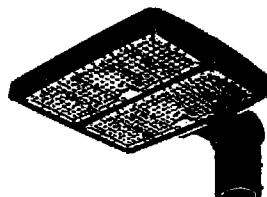


Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	15.0 lbs. (6.8kg)	10.6" (269mm)	12.9" (327mm)	24.7" (628mm)	6.2" (157mm)
19L	18.4 lbs. (8.4kg)	10.6" (269mm)	13.8" (350mm)	25.6" (651mm)	6.2" (157mm)
35L	23.5 lbs. (10.7kg)	15.4" (391mm)	19.8" (502mm)	31.5" (801mm)	6.2" (158mm)

* Includes housing & mount (for housing weight only refer to page 2)

19L

Adjustable Arm Mount w/Knockout for Field-Installed Button Photocell (by others)
(NTX-AA-BZ-U)

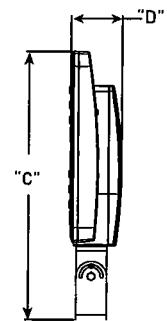
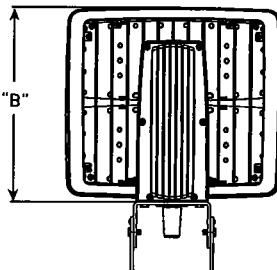
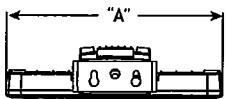
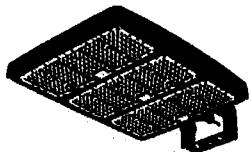


Lumen Package	Weight	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	12.3 lbs. (5.6kg)	10.6" (269mm)	12.9" (327mm)	23.0" (585mm)	3.6" (92mm)
19L	15.8 lbs. (7.2kg)	15.4" (391mm)	13.8" (350mm)	23.9" (608mm)	3.7" (93mm)
35L	20.9 lbs. (9.5kg)	15.4" (391mm)	19.8" (502mm)	29.9" (760mm)	3.8" (95mm)

* Includes housing & mount (for housing weight only refer to page 2)

Noctura® LED Area Luminaire

35L Trunnion Mount (NTX-TR-BZ-U)

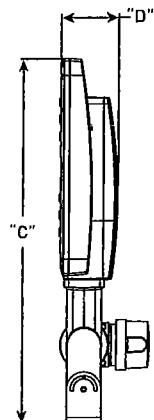
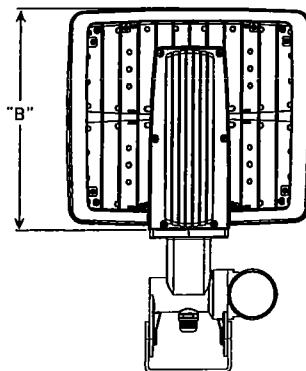
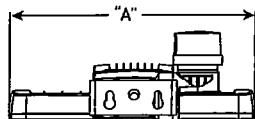
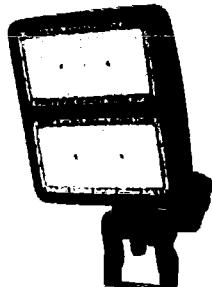


Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	11.7 lbs. (5.3kg)	10.6" (269mm)	12.9" (327mm)	18.1" (459mm)	3.6" (92mm)
19L	15.2 lbs. (6.9kg)	15.4" (391mm)	13.8" (350mm)	19.0" (482mm)	3.7" (93mm)
35L	20.3 lbs. (9.2kg)	15.4" (391mm)	19.7" (502mm)	25.0" (634mm)	3.7" (93mm)

* includes housing & mount (for housing weight only refer to page 2)

Noctura® LED Area Luminaire

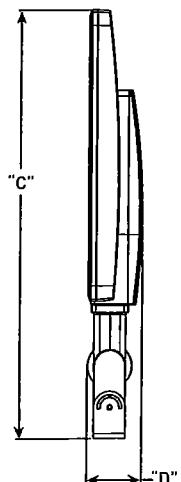
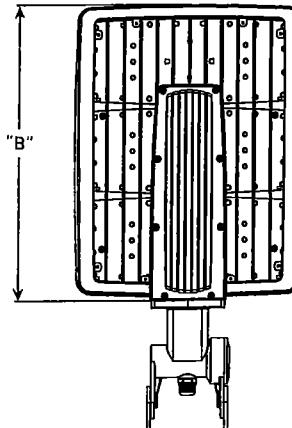
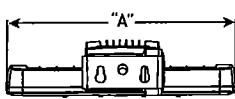
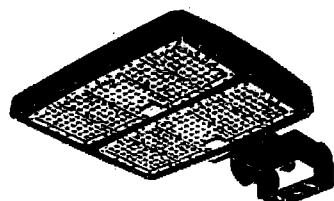
19L Trunnion Mount w/NEMA® 7-pin Photocell Receptacle (NTX-TR-7R-BZ-U)



Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	12.8 lbs. (5.8kg)	10.7" (273mm)	12.9" (327mm)	21.8" (553mm)	3.6" (92mm)
19L	16.2 lbs. (7.3kg)	15.4" (391mm)	13.8" (350mm)	22.7" (576mm)	3.7" (93mm)
35L	21.3 lbs. (9.7kg)	15.4" (391mm)	19.8" (502mm)	28.6" (727mm)	3.7" (94mm)

* Includes housing & mount (for housing weight only refer to page 2)

19L Trunnion Mount w/Knockout for Field-Installed Button Photocell (by others) (NTX-TR-PK-BZ-U)



Lumen Package	Weight*	Dim "A"	Dim "B"	Dim "C"	Dim "D"
11L	12.8 lbs. (5.8kg)	10.6" (269mm)	12.9" (327mm)	21.8" (553mm)	3.6" (92mm)
19L	16.2 lbs. (7.3kg)	15.4" (391mm)	13.8" (350mm)	22.7" (576mm)	3.7" (93mm)
35L	21.3 lbs. (9.7kg)	15.4" (391mm)	19.8" (502mm)	28.6" (727mm)	3.7" (94mm)

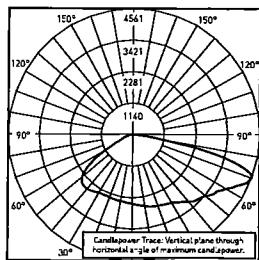
* Includes housing & mount (for housing weight only refer to page 2)

Noctura® LED Area Luminaire

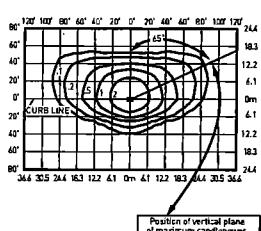
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://www.creelighting.com/products/outdoor/area/nocturna-area>

T3



RESTL Test Report #: PL14468-001A
NTA-A-NM-T3-11L-40K-UL-**
[Initial Delivered Lumens: 10,914]



NTA-A-NM-T3-11L-40K-UL-BZ
Mounting Height: 25' [7.6m] A.F.G.
Initial Delivered Lumens: 11,475
Initial FC at grade

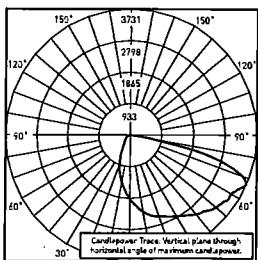
Type III Medium Distribution

Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15-11	Efficacy (LPW)
11L	11,475 (4000K)	B3 U0 G2	153
19L	19,200 (4000K)	B3 U0 G3	148
35L	35,600 (4000K/5000K)	B4 U0 G3	155

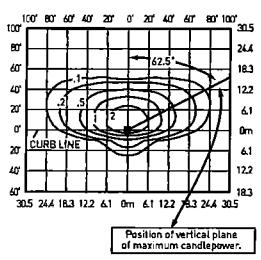
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

**** For more information on the IES BUG (Backlight-Uplight-Glare Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt**

T3 w/BLS



RESTL Test Report #: PL14469-001A
NTA-A-NM-T3-11L-40K-UL- w/NTA-**
BLSF-11L
Initial Delivered Lumens: 7,236



**NTA-A-NM-T3-11L-40K-UL-BZ w/NTA-BLSF-11L
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 7,575
Initial FC at grade**

Type III Medium w/BLS Distribution

Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15-11	Efficacy (LPW)
11L	7,575 (4000K)	B1 U0 G1	101
19L	12,675 (4000K)	B2 U0 G2	98
35L	23,500 (4000K/5000K)	B3 U0 G3	102

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

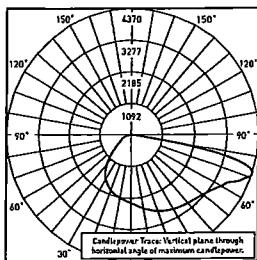
^{**} For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Noctura® LED Area Luminaire

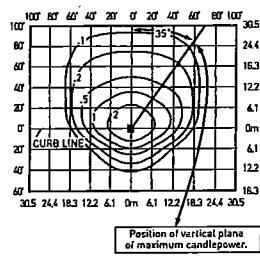
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://www.creelighting.com/products/outdoor/area/noctura-area>

T4



RESTL Test Report #: PL14470-001A
NTA-A-NM-T4-11L-40K-UL-BZ
Initial Delivered Lumens: 10,892



NTA-A-NM-T4-11L-40K-UL-BZ
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 11,475
Initial FC at grade

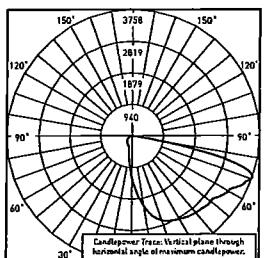
Type IV Medium Distribution

Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Efficacy (LPW)
11L	11,475 (4000K)	B2 U0 G2	153
19L	19,200 (4000K/5000K)	B3 U0 G3	148
35L	35,600 (4000K/5000K)	B4 U0 G4	155

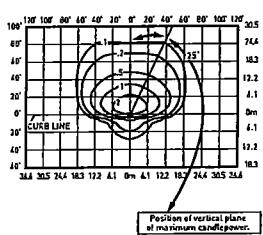
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.

T4 w/BLS



RESTL Test Report #: PL14471-001A
NTA-A-NM-T4-11L-40K-UL-BZ w/NTA-BLSF-11L
Initial Delivered Lumens: 7,186



NTA-A-NM-T4-11L-40K-UL-BZ w/NTA-BLSF-11L
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 7,575
Initial FC at grade

Type IV Medium w/BLS Distribution

Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Efficacy (LPW)
11L	7,575 (4000K)	B1 U0 G2	101
19L	12,675 (4000K/5000K)	B1 U0 G2	98
35L	23,500 (4000K/5000K)	B2 U0 G3	102

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.

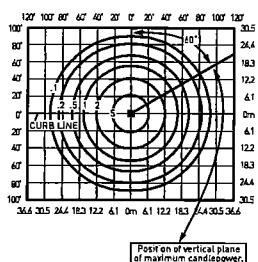
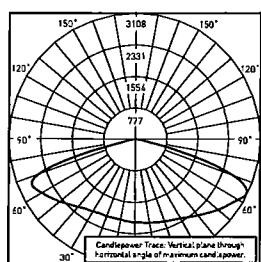
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.

Noctura® LED Area Luminaire

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://www.creelighting.com/products/outdoor/area/noctura-area>

T5



Ningbo TengLi Testing Co. Test Report #: STD190155NB-LD-R-R
NTA-A-NM-T5-11L-30K-UL-**
Initial Delivered Lumens: 11,626

NTA-A-NM-T5-35L-40K-UL-BZ
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 35,600
Initial FC at grade

Type V Medium Distribution

Lumen Package	Initial Delivered Lumens*	BUG Ratings** Per TM 15-11	Efficacy (LPW)
19L	19,200 (4000K/5000K)	B4 U0 G2	148
35L	35,600 (4000K/5000K)	B5 U0 G3	155

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Noctura® LED Area Luminaire

Luminaire EPA

Adjustable Arm Mount - NTX-AA-BZ-U w/housing Weight: 11L: 12.3 lbs. (5.6kg); 19L: 15.8 lbs. (7.2kg); 35L: 20.9 lbs. (9.5kg); Add 1.1lbs. (0.5kg) for NTX-AA-7R-BZ-U mount								
Lumen Package	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 90°	4 @ 180°
Tenon Configuration Single (0°-45° Tilt): If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA								
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(90); PT-2(90)*	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-3A*; PB-7R2.375; PD-3A4(90); PT-3(90)	PB-3A*; PB-7R2.375; PT-3(120)	PB-3A*; PB-7R2.375	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)	PB-4A*(180); PB-4R2.375	
0° Tilt								
11L	0.56	1.12	1.12	1.49	1.49	1.49	1.86	1.86
19L	0.59	1.18	1.18	1.69	1.69	1.69	2.20	2.20
35L	0.77	1.54	1.54	2.06	2.06	2.06	2.58	2.58
10° Tilt								
11L	0.56	1.12	1.12	1.66	1.66	1.66	2.20	2.20
19L	0.75	1.50	1.50	2.25	2.25	2.25	3.00	3.00
35L	0.87	1.74	1.74	2.63	2.63	2.63	3.48	3.48
20° Tilt								
11L	0.67	1.34	1.34	2.01	2.01	2.01	2.68	2.68
19L	0.96	1.92	1.92	2.88	2.88	2.88	3.84	3.84
35L	1.17	2.34	2.34	3.51	3.51	3.51	4.68	4.68
30° Tilt								
11L	0.77	1.54	1.54	2.31	2.31	2.31	3.08	3.08
19L	1.10	2.20	2.20	3.30	3.30	3.30	4.40	4.40
35L	1.39	2.78	2.78	4.17	4.17	4.17	5.56	5.56
45° Tilt								
11L	0.86	1.72	1.72	2.58	2.58	2.58	3.44	3.44
19L	1.23	2.46	2.46	3.69	3.69	3.69	4.92	4.92
35L	1.60	3.20	3.20	4.80	4.80	4.80	6.40	6.40

* Specify pole size: 3 (3'), 4 (4'), 5 (5'), or 6 (6') for single, double or triple luminaire orientation or 4 (4'), 5 (5'), or 6 (6') for quad luminaire orientation

** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3'), 4 (4'), 5 (5'), or 6 (6')

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-7R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25

* Specify pole size: 3 (3'), 4 (4'), 5 (5'), or 6 (6') for single, double or triple luminaire orientation or 4 (4'), 5 (5'), or 6 (6') for quad luminaire orientation

** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3'), 4 (4'), 5 (5'), or 6 (6')

Tenons and Brackets [†] (must specify color)		
Square Internal Mount Vertical Tenons (Steel)		
- Mounts to 3-6" (76-152mm) square aluminum or steel poles	PB-1A* - Single	PB-4A*(90) - 90° Quad
PB-2A* - 180° Twin	PB-4A*(180) - 180° Quad	PB-7R2.375 - Triple
PB-3A* - 180° Triple		PB-4R2.375 - Quad
Square Internal Mount Horizontal Tenons (Aluminum)		
- Mounts to 4" (102mm) square aluminum or steel poles	PB-2A4(90) - 90° Twin	PB-3A4(90) - 90° Triple
PB-2A4(180) - 180° Twin	PB-4A4(90) - 90° Quad	PB-7R2.375 - Triple
Wall Mount Brackets		
- Mounts to wall or roof	PT-1 - Single (Vertical)	PT-3(90) - 90° Triple
WM-2 - Horizontal for NTX-AA mounts	PT-2(90) - 90° Twin	PT-3(120) - 120° Triple
WM-4 - L-Shape for NTX-AA mounts	PT-2(180) - 180° Twin	PT-4(90) - 90° Quad
Mid-Pole Bracket		
- Mounts to square pole	PT-1 - Single	PT-3(90) - 90° Triple
PW-1A3** - Single	PW-2A3** - Double	
Ground Mount Post		
- For ground-mounted flood luminaires		
PGM-1 - for NTX-AA mounts		

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

Noctura® LED Area Luminaire

Luminaire EPA

Direct Arm Mount - NTA-DA-BZ-U w/housing Weight: 11L: 12.5 lbs. (5.7kg); 19L: 16.0 lbs. (7.3kg); 35L: 21.1 lbs. (9.6kg); Add 2.4 lbs. (1.1kg) for NTX-3R-BZ or NTX-7R-BZ-U Extended Arms

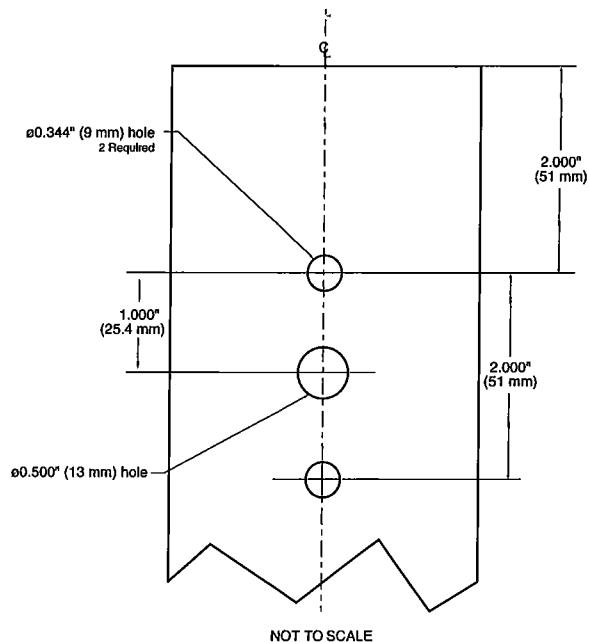
Lumen Package	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
11L	0.50	0.83	1.00	1.33	1.00	1.66
19L	0.54	1.01	1.08	1.55	1.31	2.02
35L	0.71	1.19	1.44	1.90	1.58	2.38

Direct Mount Configurations

Compatibility with NTA-DA-BZ-U and NTA-DA-BZ-U w/ NTX-3R-BZ or NTX-7R-BZ-U Direct Arm Mounts

Lumen Package	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
All	✓	✓	✓	N/A	✓
4" Square					
All	✓	✓	✓	N/A	✓
4" Round					
All	✓	✓	✓	✓	✓
5" Square					
All	✓	✓	✓	N/A	✓
5" Round					
All	✓	✓	✓	✓	✓
6" Square					
All	✓	✓	✓	N/A	✓

Fixture Mounting Drill Pattern for NTA-DA-BZ-U



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Canada: creelighting-canada.com (800) 473-1234

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LPI Series

Straight Square Steel Poles

Rev. Date: V2 07/12/2022

Product Description

Cree Lighting's LPI Series square straight steel poles are constructed of ASTM A 500 Grade B carbon steel structural tubing which provides a minimum yield strength of 46,000 psi. The one-piece construction with a full-length longitudinal resistance weld is uniformly square in cross section with flat sides, small corner radii and excellent torsional properties. The pole is welded to a formed carbon steel base plate (ASTM A-36 HRS) with a minimum yield strength of 36,000 psi. Pole base has slotted holes to accommodate installation. Poles are supplied with a paper mounting template, four partially galvanized (ASTM A153) L-shaped anchor bolts with a minimum yield strength of 55,000 psi, eight hex nuts and eight flat washers. A two-piece ABS plastic base cover that secures with four push pins provides a rust-proof and tamper resistant cover for the base plate and anchor bolts. A 3" x 5" (4-6" poles) or 1.63" x 3.5" (3" poles) hand hole is located 14" above the bottom of pole base. A 1/2" stainless-steel weld stud with grounding lug is located inside the pole, opposite the hand hole. Drilled poles include a painted plastic pole cap with a spring steel clip. The welded tenon top mounting configuration includes a 2.38" O.D. x 4" long tenon at the top of the pole. The open top mounting configuration is designed to accept internal mount tenons or brackets.

Cree Lighting poles are steel shot cleaned to remove any rust, mill scale, oxides, or other unwanted particles from the pole resulting in a surface preparation that exceeds the specifications published by the SSPC-SP10. Iron phosphate is then applied, creating an iron oxide base with a flat or amorphous metal phosphate topcoat. This coating significantly adds to the performance of the finished coating by improving bonding and minimizing the spread of oxidation if the coating is scratched, improving corrosion resistance. Polyester powder coating is applied to a 6-mil thickness.

LIMITED WARRANTY¹

- 7 years on pole and tenons/7 years on finish /1 year on GFI receptacle

¹See <http://creelighting.com/warranty> for warranty terms



Ordering Information

Fully assembled pole is composed of two components that must be ordered separately.

Example: Anchor Bolts w/Template: LPI4ABT-0 + Pole: LPI4C251Z-0

Anchor Bolts/Templates	
LPI3ABT-0 Anchor Bolts & Template for 3" Poles: 0.75" anchor bolts, 8.5" bolt circle [8-9" range]	
LPI4ABT-0 Anchor Bolts & Template for 4" Poles: 0.75" anchor bolts, 8.5" bolt circle [8-9" range]	
LPI5ABT-0 Anchor Bolts & Template for 5" Poles: 1" anchor bolts, 11" bolt circle [10-12" range]	
LPI6ABT-0 Anchor Bolts & Template for 6" Poles: 1" anchor bolts, 11.5" bolt circle [11-12" range]	

LPI	Face (IN)/Wall Thickness (GA)	Pole Height (FT)	Mounting Configuration	Fixture Mounting Drill Pattern**	Color Options	Options	Pole Only Designator		
LPI	3C 3", 11 gauge (0.125") 4C 4", 11 gauge (0.125") 4S 4", 7 gauge (0.188") - Available only in 20', 22' and 25' mounting heights 5S 5", 7 gauge (0.188") 6S 6", 7 gauge (0.188")	3" Poles 10-10' 15-15' 20-20' 25-25' 5" Poles 20-20' 22-22' 23-23' 25-25'	5" Poles 20-20' 22-22' 25-25'	6" Poles 30-30'	Drilled Poles 1 Drilled for Direct Mount (Single) 2 Drilled for Direct Mount (2@180deg) 3 Drilled for Direct Mount (2@90deg) 5 Drilled for Direct Mount (3@90deg) 6 Drilled for Direct Mount (4@90deg)	Use Only w/Drilled Poles BLANK Standard Cree Lighting Drill Pattern - For use with Cree Lighting and C-LITE® area/lood luminaires except THE EDGE® High Output or OSQX E THE EDGE® High Output Drill Pattern - Drill Pattern for use only with THE EDGE High Output luminaires with EHO-UNV mount 0 OSQX Drill Pattern - Drill Pattern for use only with OSQX luminaires	K Black S Silver W White Z Bronze	CSA CSA Certified for Canada GFI Standard GFI - Located 28" above the base of the pole on same side as hand hole. Consult factory for placement in other locations - Available only with 4"-6" poles UL ULus Listed	-0 Order anchor bolts & templates separately -0
				Open Top Poles T* Open top to accept internal mount tenons Welded Tenon Top Poles W Welded Tenon Top - 2.38" O.D. x 4.0" Long					

* Order tenon separately. Refer to [Bracket and Tenons spec sheet](#) for additional information.

** Refer to page 3 for fixture mounting patterns.



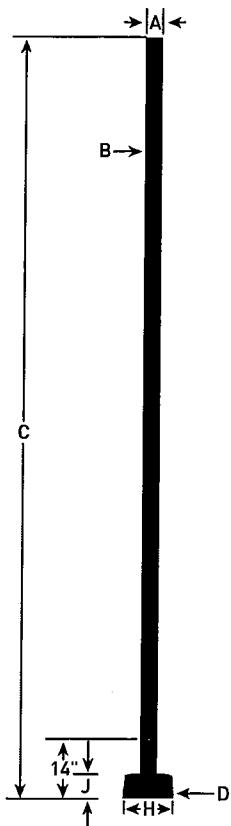
US: creelighting.com (800) 236-6800

Canada: creelighting-canada.com (800) 473-1234

CREE  **LIGHTING**®

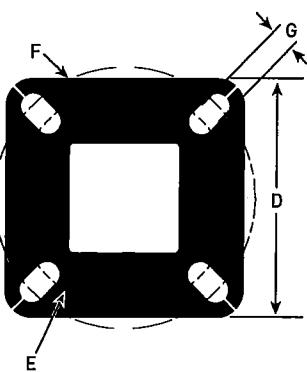
LPI Series Straight Square Steel Poles

Pole Drawing



Refer to page 4 for dimensions A-J.
Dimensions are based on pole selection.

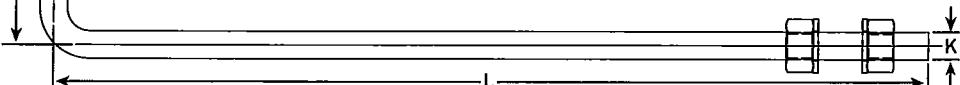
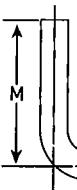
Base Plate Detail



Refer to page 4 for dimensions A-J. Dimensions are based on pole selection.

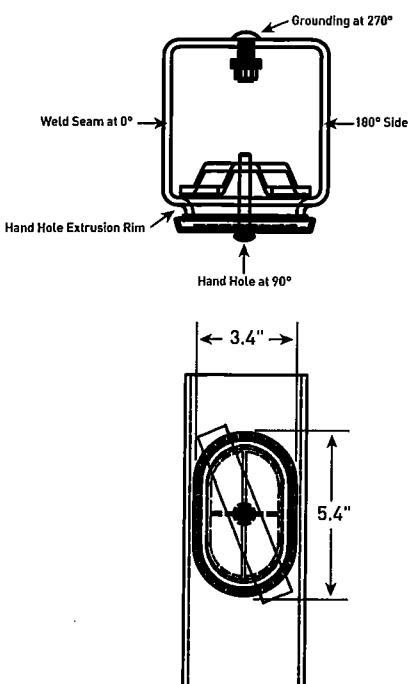
Anchor Bolt Detail

Face (IN)/Wall Thickness (GA)	Pole Height	Part Number	Anchor Bolt Diameter (K)	Anchor Bolt Vertical Length (L)	Anchor Bolt Horizontal Length (M)	Bolt Circle/Range
3C	All	LPI3ABT-0	0.75"	17"	3"	8.5"/8-9"
4C/4S	All	LPI4ABT-0	0.75"	17"	3"	8.5"/8-9"
5S	All	LPI5ABT-0	1"	36"	4"	11"/10-12"
6S	All	LPI6ABT-0	1"	36"	4"	11.5"/11-12"

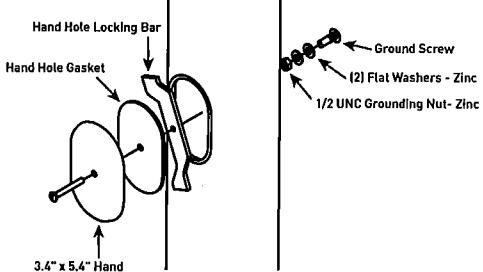


Hand Hole Drawings (4-6" Poles Only)

TOP VIEW



ISOMETRIC VIEW

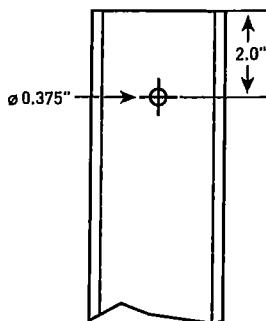


Note: Hand hole on 3" poles is 1.63" x 3.5" oval.

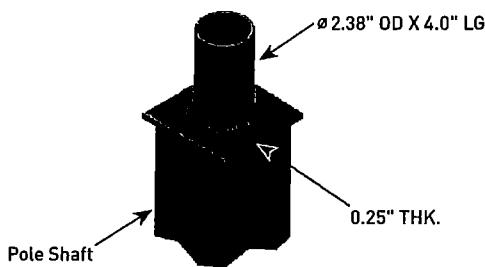
LPI Series Straight Square Steel Poles

Fixture Mounting Drill Patterns

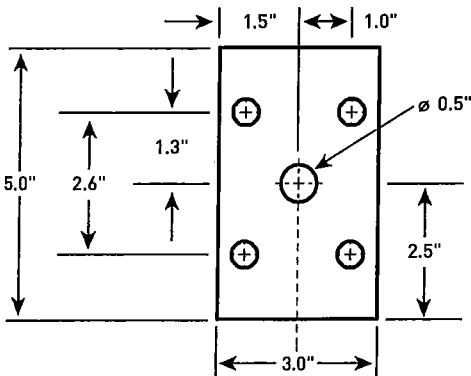
T - Open Top Mounting Configuration



W - Welded Tenon Top Mounting Configuration



E - THE EDGE® High Output Mounting Drill Pattern



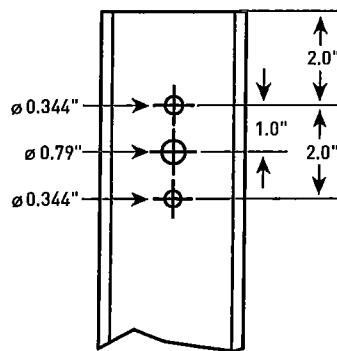
Optional GFI (shown on 4-6" pole)



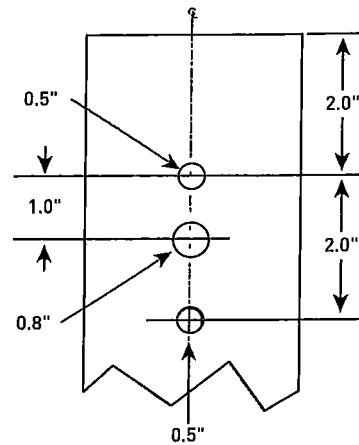
CONSTRUCTION & MATERIALS

- Heavy-duty steel construction
- Lockable security cover
- Includes adapter plates and foam gasket
- 20A, 120V, 60Hz GFCI, and cover also included
- 3-1/4" internal depth
- Standard GFI is located 28" above the pole base on the same side as the hand hole. Consult factory for placement in other locations
- Weatherproof while in use
- Meets NEC Extra Duty requirements
- Receptacle and cover ship separately in hardware bag

Standard Cree Lighting Fixture Mounting Drill Pattern



O - OSQX Fixture Mounting Drill Pattern



Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A* (180)	2.22
PB-4A* (90)	1.11
PD Series Tenons	0.09
XA-TMDA8	0.07

Tenons and Brackets† (must specify color)

Square Internal Mount Vertical Tenons (Steel)

- Mounts to 3-6" (76-152mm) square aluminum or steel poles
- For use with adjustable arm & horizontal/vertical tenon mounts
- Not for use with THE EDGE® Area Round Post Top mounts

PB-1A* - Single PB-4A*{90} - 90° Quad
 PB-2A* - 180° Twin PB-4A*{180} - 180° Quad
 PB-3A* - 180° Triple

Square Internal Mount Horizontal Tenons (Aluminum)

- Mounts to 4" (102mm) square aluminum or steel poles
- For use with adjustable arm mounts and RUL luminaires
- Not for use with THE EDGE® High Output or OSQX Area/Flood luminaires

PD-2A4{90} - 90° Twin PD-3A4{90} - 90° Triple
 PD-2A4{180} - 180° Twin PD-4A4{90} - 90° Quad

Square Internal Mount Horizontal Tenons (Aluminum)

- Mounts to 4" (102mm) square aluminum or steel poles
- For use with horizontal tenon mounts that require extended tenon length
- Not for use with THE EDGE® High Output or OSQX Area/Flood luminaires

PD-1H4 - Single PD-3H4{90} - 90° Triple
 PD-2H4{90} - 90° Twin PD-4H4{90} - 90° Quad
 PD-2H4{180} - 180° Twin

Direct Arm Pole Adaptor Bracket (Aluminum)

- Mounts to 3-6" (76-152mm) round or square aluminum or steel poles
- For use with horizontal tenon mounts that require extended tenon length
- Not for use with THE EDGE® High Output or OSQX Area/Flood luminaires

XA-TMDA8

† Refer to the [Bracket and Tenons spec sheet](#) for more details on tenons. Refer to product specification sheets for compatible tenons.

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation.

LPI Series Straight Square Steel Poles

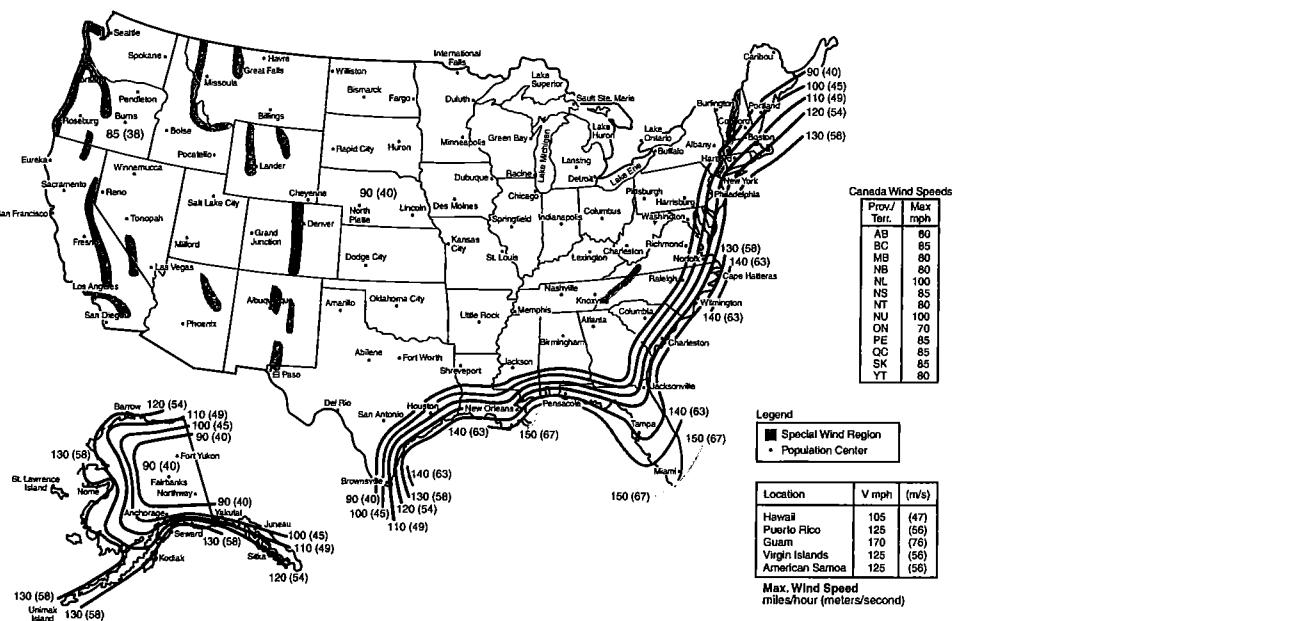
Dimensions, EPA & Weight

Pole	Face (A) x Wall (B) x Height (C)	Base Plate (D) x Thickness	Bolt Circle/Range Min (E) - Max (F)	Bolt Hole Size (G)	Base Cover (H) x Height (J)	AASHTO LTS-6					Maximum Luminaire Weight	Approx. Shipping Weight
						80	90	100	120	140		
LPI3C10*-0	3" x 11ga. x 10'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	20.2	15.6	12.28	7.94	5.33	150 lbs.	61 lbs.
LPI3C15*-0	3" x 11ga. x 15'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	11.75	8.68	6.48	3.62	1.9	150 lbs.	85 lbs.
LPI4C10*-0	4" x 11ga. x 10'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	31.2	28.8	22.8	14.98	10.27	150 lbs.	96 lbs.
LPI4C12*-0	4" x 11ga. x 12'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	29.89	22.92	17.94	11.45	7.53	150 lbs.	108 lbs.
LPI4C13*-0	4" x 11ga. x 13'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	27.03	20.61	16.01	10.02	6.41	150 lbs.	114 lbs.
LPI4C14*-0	4" x 11ga. x 14'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	24.54	18.58	14.31	8.76	5.41	150 lbs.	120 lbs.
LPI4C15*-0	4" x 11ga. x 15'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	22.33	16.78	12.81	7.63	4.51	150 lbs.	126 lbs.
LPI4C17*-0	4" x 11ga. x 17'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	18.57	13.69	10.2	5.65	2.91	150 lbs.	138 lbs.
LPI4C18*-0	4" x 11ga. x 18'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	16.75	12.21	8.96	4.73	2.25	150 lbs.	144 lbs.
LPI4C20*-0	4" x 11ga. x 20'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	13.64	9.65	6.8	3.09	0.85	150 lbs.	156 lbs.
LPI4C22*-0	4" x 11ga. x 22'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	11.03	7.5	4.97	1.68	N/A	150 lbs.	168 lbs.
LPI4C23*-0	4" x 11ga. x 23'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	9.87	6.54	4.15	1.04	N/A	150 lbs.	174 lbs.
LPI4C25*-0	4" x 11ga. x 25'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	7.8	4.8	2.65	N/A	N/A	150 lbs.	191 lbs.
LPI4S20*-0	4" x 7ga. x 20'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	21.6	15.64	11.76	6.71	3.66	150 lbs.	222 lbs.
LPI4S22*-0	4" x 7ga. x 22'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	17.85	13.01	9.56	5.05	2.34	150 lbs.	246 lbs.
LPI4S25*-0	4" x 7ga. x 25'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	13.93	9.79	6.83	2.97	0.64	150 lbs.	259 lbs.
LPI5S20*-0	5" x 7ga. x 20'	11" Sq. x 1"	11"/10-12"	1.25"	12.13" Sq. x 6"	38.9	29.39	22.59	13.73	8.38	150 lbs.	304 lbs.
LPI5S22*-0	5" x 7ga. x 22'	11" Sq. x 1"	11"/10-12"	1.25"	12.13" Sq. x 4"	33.32	24.86	18.82	10.94	6.19	150 lbs.	336 lbs.
LPI5S25*-0	5" x 7ga. x 25'	11" Sq. x 1"	11"/10-12"	1.25"	12.13" Sq. x 6"	26.55	19.35	14.19	7.48	3.43	150 lbs.	351 lbs.
LPI5S30*-0	5" x 7ga. x 30'	11" Sq. x 1"	11"/10-12"	1.25"	12.13" Sq. x 6"	18.05	12.33	8.24	2.91	N/A	150 lbs.	422 lbs.
LPI6S30*-0	6" x 7ga. x 30'	12" Sq. x 1"	11.5"/11-12"	1.25"	13.5" Sq. x 5.5"	27.25	19.11	13.59	5.71	1.14	150 lbs.	503 lbs.

* Mounting configuration, fixture mounting drill pattern, color options, and pole options from ordering table on page 1.

NOTE: Hanging signs, banners and flags on poles changes the EPA rating and increases vibration. The EPA ratings data provided does not allow for this added stress which could result in pole or luminaire failure.

This map indicates approximate maximum wind zones throughout the U.S. Base wind velocities are established using a 50-year recurring mean. The EPA rating of the pole must be equal to or greater than that of the luminaire(s), taking into consideration the wind conditions at the job site.



LPI Series Straight Square Steel Poles

Dimensions, EPA & Weight

Pole	Face [A] x Wall [B] x Height [C]	Base Plate [D] x Thickness	Bolt Circle/Range Min [E] - Max [F]	Bolt Hole Size [G]	Base Cover [H] x Height [J]	FBC							Maximum Luminaire Weight	Approx. Shipping Weight
						120	130	140	150	160	170	180		
LPI3C10*-0	3" x 11ga. x 10'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	27.8	23.4	19.9	17.1	14.8	12.9	11.2	150 lbs.	61 lbs.
LPI3C15*-0	3" x 11ga. x 15'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	16.9	14	11.6	9.8	8.2	6.9	5.9	150 lbs.	85 lbs.
LPI4C10*-0	4" x 11ga. x 10'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	31.2	26.2	22.2	19	16.4	14.2	12.2	150 lbs.	96 lbs.
LPI4C12*-0	4" x 11ga. x 12'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	25	20.8	17.5	14.8	12.6	10.8	9.2	150 lbs.	108 lbs.
LPI4C13*-0	4" x 11ga. x 13'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	22.6	18.7	15.6	13.1	11.1	9.4	8	150 lbs.	114 lbs.
LPI4C14*-0	4" x 11ga. x 14'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	20.4	16.8	13.9	11.6	9.7	8.2	6.9	150 lbs.	120 lbs.
LPI4C15*-0	4" x 11ga. x 15'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	18.5	15.1	12.5	10.3	8.5	7.2	5.8	150 lbs.	126 lbs.
LPI4C17*-0	4" x 11ga. x 17'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	14.9	12	9.7	7.8	6.3	5.1	4	150 lbs.	138 lbs.
LPI4C18*-0	4" x 11ga. x 18'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	13.4	10.7	8.5	6.8	5.4	4.2	3.2	150 lbs.	144 lbs.
LPI4C20*-0	4" x 11ga. x 20'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	10.7	8.3	6.5	4.9	3.7	2.6	1.8	150 lbs.	156 lbs.
LPI4C22*-0	4" x 11ga. x 22'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	8.5	6.4	4.7	3.3	2.2	1.3	0.5	150 lbs.	168 lbs.
LPI4C23*-0	4" x 11ga. x 23'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	7.5	5.5	3.9	2.6	1.6	0.7	N/A	150 lbs.	174 lbs.
LPI4C25*-0	4" x 11ga. x 25'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	5.8	3.9	2.5	1.3	0.4	N/A	N/A	150 lbs.	191 lbs.
LPI4S20*-0	4" x 7ga. x 20'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	11.3	8.9	7	5.5	4.3	3.2	2.3	150 lbs.	222 lbs.
LPI4S22*-0	4" x 7ga. x 22'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	9.1	7	5.3	4	2.9	1.9	1.2	150 lbs.	246 lbs.
LPI4S25*-0	4" x 7ga. x 25'	8" Sq. x 0.75"	8.5"/8-9"	1"	9.88" Sq. x 5.25"	6.4	4.6	3.2	2	1.1	N/A	N/A	150 lbs.	259 lbs.
LPI5S20*-0	5" x 7ga. x 20'	11" Sq. x 1"	11"/10-12"	1.25"	12.13" Sq. x 6"	33.3	27.5	22.8	19	16	13.4	11.3	150 lbs.	304 lbs.
LPI5S22*-0	5" x 7ga. x 22'	11" Sq. x 1"	11"/10-12"	1.25"	12.13" Sq. x 6"	28.5	23.2	19.1	15.7	13	10.7	8.8	150 lbs.	336 lbs.
LPI5S25*-0	5" x 7ga. x 25'	11" Sq. x 1"	11"/10-12"	1.25"	12.13" Sq. x 6"	22.5	18.1	14.5	11.6	9.3	7.3	5.7	150 lbs.	351 lbs.
LPI5S30*-0	5" x 7ga. x 30'	11" Sq. x 1"	11"/10-12"	1.25"	12.13" Sq. x 6"	15.2	11.5	8.7	6.4	4.5	2.9	1.6	150 lbs.	422 lbs.
LPI6S30*-0	6" x 7ga. x 30'	12" Sq. x 1"	11.5"/11-12"	1.25"	13.5" Sq. x 5.5"	14	10.2	7.2	4.8	2.8	1.2	N/A	150 lbs.	503 lbs.

* Mounting configuration, fixture mounting drill pattern, color options, and pole options from ordering table on page 1.

NOTE: Hanging signs, banners and flags on poles changes the EPA rating and increases vibration. The EPA ratings data provided does not allow for this added stress which could result in pole or luminaire failure.

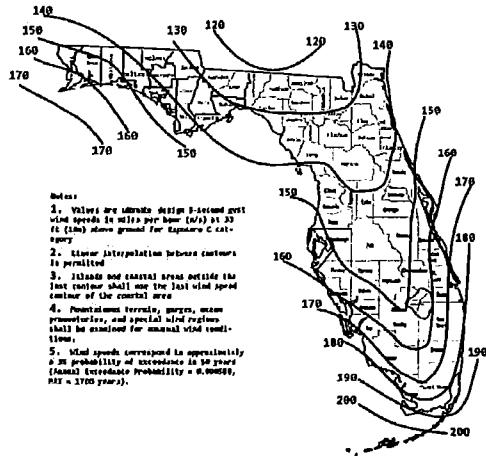


FIGURE 1609.3(2)

ULTIMATE DESIGN WIND SPEEDS, V_{ULT} , FOR RISK CATEGORY III BUILDINGS AND OTHER STRUCTURES

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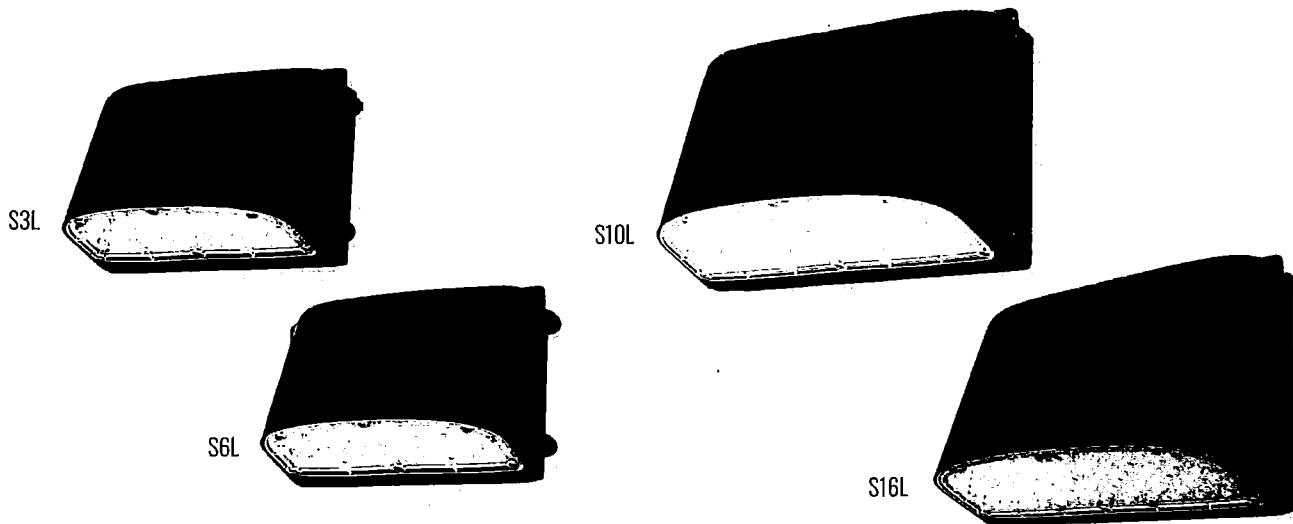
A COMPANY OF IDEAL INDUSTRIES, INC.

C-WP-C-RDC Series

Cutoff LED Wall Pack | Field Selectable CCT & Wattage

Replaces up to 400W MH

C-LITE
LED LIGHTING



UNLEASH VERSATILITY AND RELIABILITY

Illuminate your outdoor spaces with the exceptional performance and flexibility of our Cutoff LED Wall Pack. Designed to exceed expectations, this cutting-edge fixture combines field selectable wattage, CCT selection of 3000K, 4000K, or 5000K, and robust surge protection to safeguard against power surges. Tailor the brightness of your space to perfection with the field selectable wattage feature, allowing you to adjust the lighting output according to your specific requirements. Enjoy enhanced energy efficiency without compromising on illumination quality. Always backed by our standard 5-year warranty, this cULus Listed fixture is the perfect solution for a wide range of outdoor applications.

PRODUCT SPECIFICATIONS

OVERVIEW

- Initial Delivered Lumens: Up to 3300 Lumens (**S3L**), Up to 6000 Lumens (**S6L**), Up to 10,000 Lumens (**S10L**), Up to 16,000 Lumens (**S16L**)
- CRI: ≥ 70
- CCT: Field Selectable (3000K/4000K/5000K)
- Max. Input Power: 23W (**S3L**), 42W (**S6L**), 72W (**S10L**), 110W (**S16L**)
- Operating Temperature Range: -40°F to 104°F (-40°C to 40°C)
- Replaces: 100W PSMH (**S3L**), 175W MH (**S6L**), 250W PSMH (**S10L**), 400W MH (**S16L**)
- Estimated L_{70} Lifetime @ 25°C: > 97,000 hours
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load
- Limited Warranty: 5-Year*

FEATURES	RECOMMENDED USE	INPUT VOLTAGE
<ul style="list-style-type: none">FCC Part 15, Subpart B, Class B limits for conducted and radiated emissions3000K, 4000K or 5000K color temperature options4kV surge protection	<ul style="list-style-type: none">SecurityPerimeterCommercial	<ul style="list-style-type: none">Universal (120V through 277V Operation)

CERTIFICATIONS:



CA RESIDENTS WARNING: Cancer and Reproductive Harm – www.p65warnings.ca.gov

C-WP-C-RDC Series

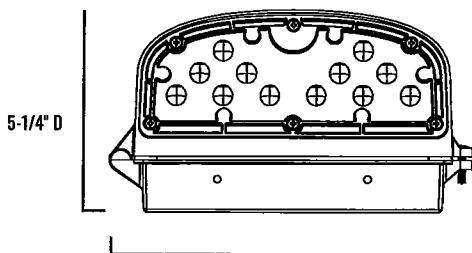
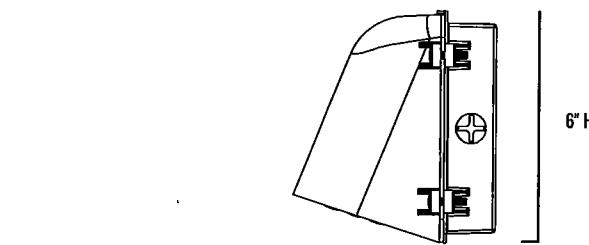
ORDERING INFORMATION

Example SKU: C-WP-C-RDC-S3L-SCCT-DB

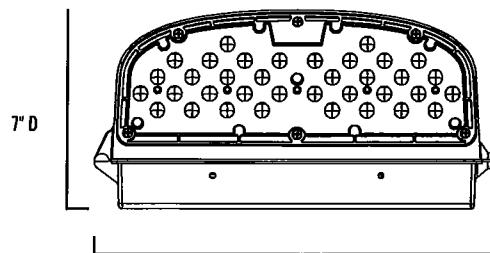
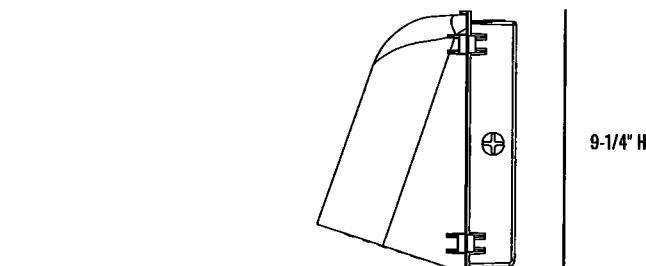
C-WP	C	RDC		SCCT	DB
PRODUCT	SERIES	TYPE	LUMEN PACKAGE*	FIELD SELECTABLE CCT	HOUSING COLOR
C-WP	C	RDC Round Cutoff	S3L Up to 3300 Lumens (Max Input 23W) S6L Up to 6000 Lumens (Max Input 42W) S10L Up to 10,000 Lumens (Max Input 72W) S16L Up to 16,000 Lumens (Max Input 110W)	SCCT Warm White (3000K) Neutral White (4000K)* Cool White (5000K)	DB Dark Bronze

*Default settings at time of shipping are highest product wattage and 4000K. Lumen output at full power at 4000K.

S3L & S6L



S10L & S16L



SERIES OVERVIEW

DIMENSIONS	PRODUCT WEIGHT	MOUNTING HEIGHT	SPACING
9-3/8" W x 5-1/4" D x 6" H (S3L & S6L)	3 lbs.	10-15 feet	2 to 3 times the mounting height
14-1/8" W x 7" D x 9-1/4" H (S10L & S16L)	5.6 lbs.		

C-WP-C-RDC Series

Fixture Specifications

HOUSING	Heavy duty die-cast aluminum with a durable powder coat dark bronze finish.
LENS ASSEMBLY	Integrated UV stabilized polycarbonate lens is designed to control the light and offer the most efficiency.
MOUNTING	1/2-inch threaded knockouts provided for conduit entry or mount over a recessed J-box. Knockouts are located on both sides and the top of the back box.

Electrical Performance

OPERATING TEMPERATURE RANGE	ESTIMATED L_{70} LIFETIME @ 25°C (77°F)	POWER FACTOR	TOTAL HARMONIC DISTORTION
-40°F to 104°F (-40°C to 40°C)	> 97,000 Hours	> 0.9 at full load	< 20% at full load

LUMEN PACKAGE*	REPLACES	INITIAL DELIVERED LUMENS & BUG RATINGS PER TM-15-20				SYSTEM WATTS	CURRENT DRAW (AMPS)			
		3000K/5000K	BUG RATINGS*	4000K	BUG RATINGS*		120V	208V	240V	277V
S3L	100W PSMH	3000	B1-U0-G1	3300	B1-U0-G1	23W	0.19	0.11	0.10	0.08
		2430		2670		19W	0.16	0.09	0.08	0.07
		1650	B1-U0-G0	1820		12W	0.10	0.06	0.05	0.04
S6L	175W MH	5500	B2-U0-G1	6000	B2-U0-G1	42W	0.35	0.20	0.18	0.15
		4330	B1-U0-G1	4760		32W	0.27	0.15	0.13	0.12
		2950		3250	B1-U0-G1	21W	0.18	0.10	0.09	0.08
S10L	250W PSMH	9125	B2-U0-G2	10,000	B2-U0-G2	72W	0.60	0.35	0.30	0.26
		6950	B2-U0-G1	7650	B2-U0-G1	54W	0.45	0.26	0.23	0.19
		4730	B1-U0-G1	5200		35W	0.29	0.17	0.15	0.13
S16L	400W MH	14,675	B3-U0-G2	16,000	B3-U0-G2	110W	0.92	0.53	0.46	0.40
		11,550		12,700		87W	0.73	0.42	0.36	0.31
		7900	B2-U0-G1	8700	B2-U0-G1	57W	0.48	0.27	0.24	0.21

* Default settings at time of shipping are highest product wattage and 4000K.

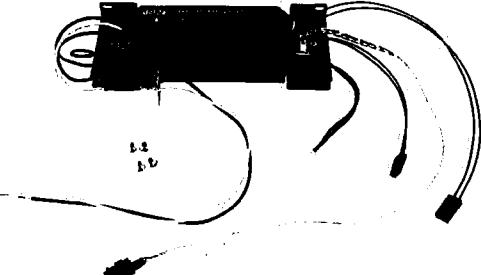
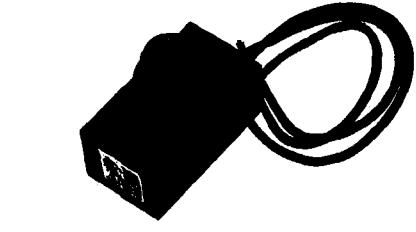
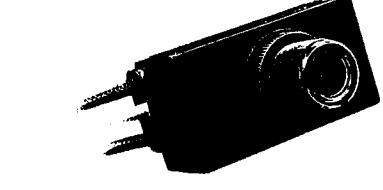
* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt.

Warranty and Certifications

WARRANTY	cULus LISTED	DLC
5-Year Limited*	Wet Locations	5.1 Premium Refer to https://www.designlights.org/search/ for most current information.

C-WP-C-RDC Series

ACCESSORIES (SOLD SEPARATELY)

	<p>8W EMERGENCY BATTERY BACKUP KIT</p> <p>SKU: C-ACC-EB-8W-KIT-UL</p> <p>USE: Install the EM driver and EM battery kit inside the back box by following instruction sheet provided. Quick connectors have been added where possible, to help make installation easy. Provides 90 minutes and a minimum of 1010 lumens in Emergency Backup (EB) mode. 1010 - 1240 lumens based on efficacy of different lumen packages. Operating temperature: 32°F to 104°F (0°C to 40°C)</p> <p>*NOTE: Not compatible with S3L and S6L lumen packages.</p>
	<p>UNIVERSAL BUTTON PHOTOCELL (120V-277V)</p> <p>SKU: CCR-PHC-0306-GC</p> <p>USE: Photocell is field installed and drilling of the back box is required. 500W Max.</p>
	<p>UNIVERSAL BUTTON PHOTOCELL (120V-277V)</p> <p>SKU: JL-423CZ</p> <p>USE: Photocell is field installed and drilling of the back box is required. 1000W Max.</p>

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C-LITE
LED LIGHTING



a NUCOR company

Wall Systems

www.nucorbuildingsystems.com

Nucor Classic Wall™

36" 12" 12" 12" 1-1/4"

Nucor Reverse Classic Wall™

12" 12" 12" 1-1/4"

Nucor Accent Wall™

12" 12" 12" 1-1/4"

SP Cool Coatings

This cool silicone-polyester paint system utilizes a two-coat system that offers superior quality and durability.



*Non Stock Color. Estimated lead time may apply. **The Galvalume coating process is likely to result in variations in sample lines, texture, and reflected light to light which may result in variations in the final product. All colors are 27-year field warranty. Color swatches shown through approximate actual coating system. These colors utilize Cool Coating Technology.

PVDF Cool Coatings

PVDF utilizes a two-coat system featuring fade resistant color, incredible durability, and environmentally friendly "cool" technology.



*Non Stock Color. Estimated lead time may apply. **The Galvalume coating process is likely to result in variations in sample lines, texture, and reflected light to light which may result in variations in the final product. All colors are 27-year field warranty. Color swatches shown through approximate actual coating system. These colors utilize Cool Coating Technology. The term "PVDF" on the Order Document refers to "In Galvalume" due to existing confusion on this term. Please note that PVDF is a slight color shift from 10.

