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 9/22/25 11:11 a.m.

Paid _____

☐ Initial Submittal

☐ Revised Submittal

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

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

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

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

1. Project Information

Address (list all addresses on the project site): 929 East Washington Ave.

Title: 929 East Washington Ave. Hotel

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

UDC meeting date requested October 22, 2025

☐ 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 Curt Brink
Company Archipelago Village, LLC
Street address 701 E. Washington, Suite 105
City/State/Zip Madison, WI 53703
Telephone (608) 575-4845
Email curtbrink@hotmail.com

Project contact person Doug Hursh
Company Potter Lawson
Street address 749 University Row, Suite 300
City/State/Zip Madison, WI 53705
Telephone (608) 274-2741
Email dough@potterlawson.com

Property owner (if not applicant) Archipelago Village, LLC
Street address P.O. Box 512, 505 N. Carroll Street
City/State/Zip Madison, WI 53701
Telephone (608) 255-8633
Email matt.carlson@carlsonblack.com

URBAN DESIGN COMMISSION APPROVAL PROCESS

UDC

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 UDCapplications@cityofmadison.com. The email must include the project address, project name, and applicant name.
- Email Size Limits. Note that an individual email cannot exceed 20MB and it is the responsibility of the applicant to present files in a manner that can be accepted. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

☑ **Notification to the District Alder**

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

6. Applicant Declarations

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 August 18, 2025.

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 Curt Brink Relationship to property Developer

Authorizing signature of property owner Curtis Brink Date 9/18/25

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

Potter Lawson
Success by Design

September 22, 2025

City of Madison
Urban Design Commission

Re: **Letter of Intent for Proposed Development**
929 East Washington Avenue Hotel
UDC Minor Alteration Resubmittal for Final Approval

Dear Commission Members and City Staff,

We are pleased to submit the attached application requesting a minor alteration to the approved Conditional Use for the 929 East Washington Avenue Hotel development. This request seeks approval for modifications to the exterior materials and sixth-floor outdoor terraces. These changes are intended to enhance maintainability and extend the longevity of the building's façade, while preserving the original design intent.

Below is a summary of the proposed changes since the development received Urban Design Commission (UDC) approval on February 28, 2024:

Façade Design Progression

1. Brick Type 1 Update
   The original Summit Brick (color: Old Chicago) has been replaced with Metro Brick (color: Commons). The new brick is lighter in tone and has a more uniform appearance, offering improved contrast with the darker red and brown bricks of adjacent buildings. This contrast breaks up the visual uniformity of the block, creating a more dynamic and historically inspired architectural experience. The tan brick also enhances the articulation of the black-stained precast concrete panels.
2. Steel Channel and Beam Replacement (Floors 1–5)
   Painted steel channels and beams on the hotel and parking levels are proposed to be replaced with stained precast panels, detailed to replicate the original steel framing. The panels will be treated with "Nawkaw" stain, which carries a 25-year warranty against fading and provides a semi-gloss/satin finish similar to painted steel. This change improves durability and reduces long-term maintenance.
3. Steel Channel and Beam Replacement (Floors 6–15)
   Similarly, painted steel elements on hotel floors 6–15 will be replaced with stained precast panels, maintaining the visual intent while improving durability.
4. Window Adjacent Panels (Floors 7–15)
   Ribbed metal panels adjacent to hotel windows will be replaced with stained ribbed precast panels.
5. Sixth-Floor Accent Panels
   Flat metal accent panels on the sixth floor will be replaced with Brick Type 2 (Endicott Manganese Iron Spot), a smooth black brick.
6. Sixth-Floor Outdoor Terrace Modifications
   - Northern terrace seating and planter layouts have been revised to improve circulation and increase outdoor seating near the restaurant.

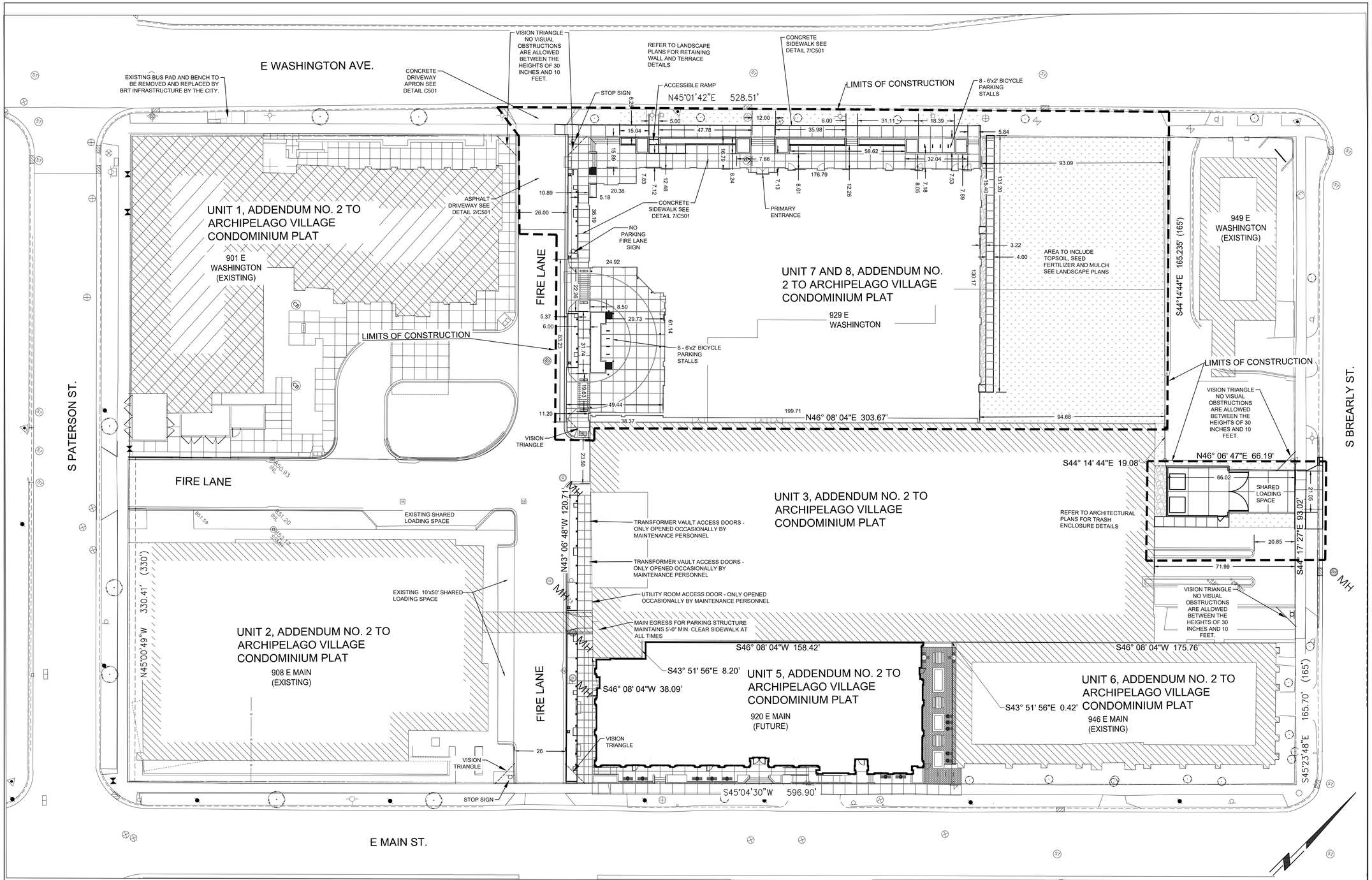
- The open trellis over the eastern restaurant seating area will be covered with a translucent glazed canopy for weather protection and enhanced usability. The canopy structure will be aluminum or painted steel.
- Grill stations on the southern terrace have been reoriented and reconfigured to include an island for additional counter space and seating.
- Door locations accessing the terraces have been adjusted to align with updated circulation paths.
- The exit stair enclosure on the north terrace has been revised to match adjacent exterior materials.

7. Fitness Center Glazing
   A new glazed opening (8'-6" wide) is proposed on the sixth-floor east elevation to increase natural light in the hotel fitness center.
8. Rooftop Mechanical Enclosures
   Two enclosures have been added to screen mechanical equipment on the east and west ends of the southern terrace. These are composed of brick-clad piers and painted ribbed metal panels, consistent with the overall aesthetic. The displaced green roof area will be relocated to the level 15 roof.
9. Mechanical Screen Wall Cladding
   Sixth-floor building walls enclosed by mechanical screens will be clad in Brick Type 1.
10. Drop-Off Area Columns
    First-floor exterior columns at the drop-off area will be clad in Brick Type 2, replacing the previously proposed painted steel for improved durability.
11. Main Entrance Column
    The column at the hotel's main entrance will be clad in stained precast panels, detailed to match the façade of the hotel and parking structure, replacing the painted steel cladding.
12. Updated Landscaping Plans
    Landscaping plans have been revised to reflect the updated sixth-floor terrace layouts.
13. Updated Lighting Plans
    Lighting plans have been revised to align with the updated terrace configurations.

Thank you for your time and consideration in reviewing these proposed modifications. We believe these updates will contribute to a more resilient and visually engaging development, further enhancing the vibrancy of the East Washington corridor. Please feel free to contact me with any questions regarding this submittal.

Sincerely,

Douglas R. Hursh, AIA, LEED AP
Principal-in-charge of Design



GENERAL

1. THE LOCATION OF ALL STRUCTURES, OBSTACLES, AND EXISTING FACILITIES SHALL NOT BE TAKEN AS CONCLUSIVE. IT SHALL BE ASSUMED THAT THE CONTRACTOR HAS VERIFIED SAID LOCATIONS AS A CONDITION OF HIS BID AND THEREFORE THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES RESULTING FROM HIS ACTIVITIES.

2. ALL ELEVATIONS ARE REFERENCED TO THE LOCAL DATUM AND BASED ON A SURVEY PERFORMED BY VIERBICHER AND ASSOCIATES ON NOVEMBER 8, 2007.

3. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS NECESSARY TO CARRY OUT THEIR WORK.

4. ALL STAKES NECESSARY FOR THE CONTRACTOR TO DETERMINE LOCATION AND/OR GRADES FOR ANY SECTION OF THE WORK HEREIN DESCRIBED SHALL BE SET BY THE OWNER, OR THE OWNER'S REPRESENTATIVE.

5. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER A LIST OF ALL MATERIALS PROPOSED TO BE USED PRIOR TO ORDERING OR DELIVERY.

6. MATERIAL TESTS CONDUCTED BY ANY INDEPENDENT TESTING LAB MAY BE ORDERED BY THE ENGINEER OR OWNER. IF SUCH TESTING IS ORDERED, THE CONTRACTOR SHALL FURNISH THE SAMPLES AND THE COST OF TESTING SHALL BE PAID BY THE OWNER. RETESTING OF ANY FAILING TESTS SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.

7. ALL CONTRACTORS SHALL HAVE A COMPETENT FOREMAN, SUPERINTENDENT, OR OTHER REPRESENTATIVE AT THE SITE AT ALL TIMES WHO HAS AUTHORITY TO ACT FOR THE CONTRACTOR.

8. A PRE CONFERENCE MAY BE HELD PRIOR TO CONSTRUCTION START UP.

9. CONTRACTORS SHALL BE RESPONSIBLE FOR ADEQUATELY BARRICADING AREAS OF CONSTRUCTION AS MAY BE REQUIRED TO PROTECT AGAINST PERSONAL INJURY AS WELL AS WARN TRAFFIC OF THE CONSTRUCTION SITE WHERE NECESSARY. SIGNING SHALL BE IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF TRANSPORTATION MANUAL OF TRAFFIC CONTROL DEVICES. ALL OTHER SIGNS MUST BE PRE-APPROVED BY OWNER.

10. ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF BUILDING.

11. ALL ROAD AND PAVING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION - EDITION OF 2005, HEREIN REFERRED TO AS THE STANDARD SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

12. WHERE SPECIFIC PORTIONS OF THESE SPECIFICATIONS ARE IN CONFLICT WITH THE STANDARD SPECIFICATIONS, THESE SPECIFICATIONS SHALL GOVERN.

13. THERE ARE NO FRONT OR SIDE YARD SETBACKS.

14. 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 DEPTS.

15. CONTRACTOR SHALL REPLACE ANY CURB AND GUTTER WHICH ABUTS THE PROPERTY WHICH IS DAMAGED BY THE CONSTRUCTION OR ANY SIDEWALK, CURB, AND GUTTER WHICH THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED DUE TO UNDESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.

16. 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.

17. NO VISUAL OBSTRUCTIONS TO BE LOCATED WITHIN VISION TRIANGLES BETWEEN THE HEIGHTS OF 2.5'-10' - 25' BEHIND THE PROPERTY LINE AT STREETS AND 10' BEHIND THE PROPERTY LINE AT DRIVEWAYS.

CURB, GRADE BEAM CURB, SIDEWALK AND MISCELLANEOUS

1. WHERE INDICATED ON THE PLANS, INSTALL CONCRETE SIDEWALK IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

2. CONCRETE CURB SHALL BE INSTALLED WHERE INDICATED ON THE PLANS. INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 601 OF THE STANDARD SPECIFICATIONS. DIMENSIONS SHALL BE AS SHOWN ON THE DETAIL SHEET.

3. ALL SURPLUS EXCAVATED MATERIAL SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR FOR ITS TEMPORARY LOCATION.

4. ALL ENTRANCES SHALL HAVE THE EXISTING 6" VERTICAL FACE SAWED AND REMOVED OR THE ENTIRE CURB AND GUTTER LENGTH REMOVED AND REPLACED WITH CONCRETE GUTTER SECTION.

5. CONCRETE JOINTING FOR THE SIDEWALK AROUND THE BUILDING WILL BE TOOLED JOINTS. THE UPPER TERRACE ALONG EAST WASHINGTON AVE. AND THE CROSS WALK THAT CUTS THROUGH THE NORTH-SOUTH FIRE LANE WILL BE SAW CUT JOINTS.

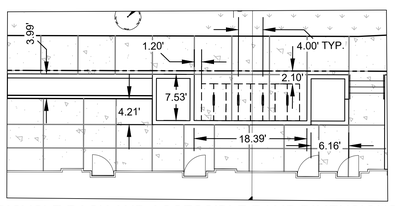
6. CLEARLY DEFINED FIVE-FOOT WALKWAYS TO ASSIST CITIZENS WITH DISABILITIES IS PROVIDED FOR THIS PROJECT TO AID IN CIRCULATION WITHIN THE ENTIRE DEVELOPMENT AND TO BUILDING ENTRANCE DOORS. EXCEPTIONS DO OCCUR ALONG THE WESTERN FACE OF THE 920 EAST MAIN /PHASE 1 PARKING D STRUCTURE /929 EAST WASHINGTON BUILDING FACADE FOR SOME UTILITY ROOMS WHICH WILL BE ACCESSED INFREQUENTLY AND BY QUALIFIED MAINTENANCE PERSONNEL. THESE EXCEPTIONS ARE EXPLICITLY NOTED ON THE PLANS.

Land Use Summary Table

Site Area	Lot 4.27 Ac / Disturbed 3.25Ac
Total Building Sq.Ft.	318,017 G.S.F. (929)
Building Footprint Sq.Ft.	22,867 Sq. Ft. (929)
Building Type	Commercial (929)
Lot Coverage (Block)	59%

Land Cover Analysis Table

Lot Area	Lot 186,001 SF / 4.27 Ac
Building Footprint Sq.Ft. (929 Green)	17,209 SF
Building Footprint Sq.Ft. (929 Impervious)	5,658 SF
Building Footprint Sq.Ft. (Other Buildings)	70,813 SF
Site Paving	33,541 SF
Green Roof (Other Buildings)	19,502 SF
Landscape Area	9,387 SF
Total Green (Incl. Green Roof)	46,098 SF
Total Impervious	110,012 SF



BICYCLE RACK AND ACCESSIBLE RAMP DIMENSIONS

SCALE 1" = 10'
0' 5' 10' 20'

LEGEND

SCALE 1" = 20'
0' 10' 20' 40'

- SANITARY MANHOLE
- YARD CLEANOUT
- STORM MANHOLE
- STORM INLET
- STORM CATCH BASIN
- APRON ENDWALL
- WATER MANHOLE
- HYDRANT
- WATER VALVE
- GAS METER
- GAS VALVE
- LIGHT POLE
- TRAFFIC SIGNAL
- MONITORING WELL
- ELECTRICAL OUTLET
- UTILITY POLE
- GUY WIRE / DEAD MAN
- ELECTRIC PEDESTAL
- ELECTRIC MANHOLE
- CABLE PEDESTAL
- BOLLARD
- SIGN
- HANDICAP RAMP
- HANDICAP STALL
- STONE WALL
- CATCH CURB
- REJECT CURB
- WAT — BURIED WATER MAIN
- SAN — SANITARY SEWER
- ST — STORM SEWER
- SF — SILT FENCE
- RD — ROOF DRAIN
- OH — OVERHEAD WIRES
- CATV — BURIED CABLE TV LINES
- E — BURIED ELECTRIC
- T — BURIED TELEPHONE
- FO — FIBER OPTIC
- G — BURIED GAS MAIN
- CAUTION
- PROPERTY LINE
- UTILITY EASEMENT
- SETBACK LINE
- BUILDING TO BE DEMOLISHED
- BUILDING TO REMAIN
- FUTURE CONDOMINIUM BOUNDARY LINE

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Potter Lawson
Success by Design

ONEIDA Engineering Solutions
5100 Eastpark Blvd., Suite 300, Madison, WI 53718, ph. 608-243-6470 Job# 2017136

Notes:

929 EAST WASHINGTON AVENUE HOTEL

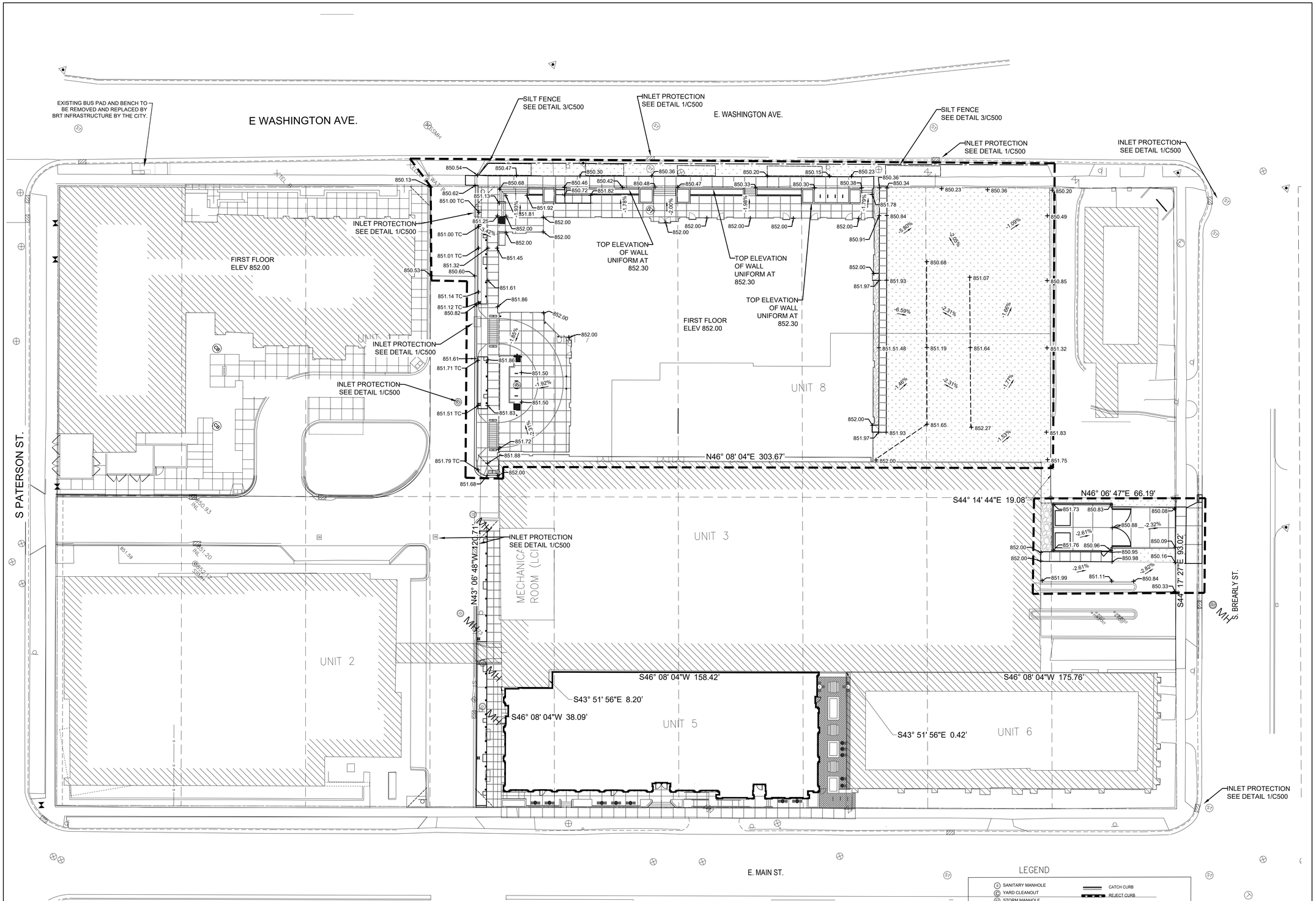
929 E Washington Ave
Madison, Wisconsin

2016.36.02.4

Date	Issuance/Revisions	Symbol
11/22/2023	LAND USE SUBMITTAL	
1/29/2024	UDC SUBMITTAL	
4/8/2024	CITY RESUBMITTAL	
9/22/2025	UDC / MINOR ALT SUBMITTAL	

SITE LAYOUT PLAN

C102



GRADING AND EROSION CONTROL

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING THE PROPOSED ROADS, PARKING AREAS, BUILDING PADS AND EROSION CONTROL DEVICES TO THE PROPOSED GRADE ELEVATIONS AND LOCATIONS SHOWN ON THE GRADING PLAN.

2. THE CONTRACTOR SHALL STRIP AND REMOVE TOPSOIL AND ORGANIC SOILS FOUND WITHIN THE GRADING LIMITS IN ACCORDANCE WITH SECTION 625 OF THE STANDARD SPECIFICATIONS. GRADE LANDSCAPE AREAS LOW TO ALLOW FOR PLACEMENT OF TOPSOIL, SOD AND PLANTINGS BY LANDSCAPE CONTRACTOR PER THE LANDSCAPE SPECIFICATIONS.

3. THE SUB GRADE FOR THE ROAD, PARKING AREAS, AND THE BUILDING PADS SHALL BE PREPARED IN ACCORDANCE WITH SECTION 207 OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, 2009 EDITION. COMPACTION OF THE SUB GRADE IN CUT SECTIONS SHALL BE IN ACCORDANCE WITH SECTION 207.3.6.2 USING MECHANICAL COMPACTION EQUIPMENT. OPERATION OF SPREADING AND HAULING EQUIPMENT WILL NOT BE CONSIDERED AS ADEQUATE COMPACTION.

4. THE GRANULAR BASE COURSE SHALL BE PLACED ONLY ON SUB GRADE THAT HAS BEEN PROOF-ROLLED AND WITNESSED BY OWNER OR OWNER'S REPRESENTATIVE.

5. GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXISTING PROPERTY CORNERS AND PERTINENT AREAS WITHIN ALL EASEMENTS.

6. CONTRACTOR IS RESPONSIBLE TO INSTALL ALL EROSION CONTROL DEVICES SHOWN ON THE PLANS IN ACCORDANCE WITH THE WDNR BEST MANAGEMENT PRACTICES.

7. ELEVATIONS SHOWN ARE FINISHED GROUND PAVEMENT ELEVATIONS UNLESS OTHERWISE NOTED.

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

LEGEND

- SANITARY MANHOLE
- YARD CLEANOUT
- STORM MANHOLE
- STORM INLET / STORM CATCH BASIN
- APRON ENDWALL
- WATER MANHOLE
- HYDRANT
- WATER VALVE
- GAS METER
- GAS VALVE
- LIGHT POLE
- TRAFFIC SIGNAL
- MONITORING WELL
- ELECTRICAL OUTLET
- UTILITY POLE
- GUY WIRE / DEAD MAN
- ELECTRIC PEDESTAL
- ELECTRIC MANHOLE
- CABLE PEDESTAL
- BOLLARD
- SIGN
- HANDICAP RAMP
- HANDICAP STALL
- STONE WALL
- CATCH CURB
- REJECT CURB
- WAT — BURIED WATER MAIN
- SAN — SANITARY SEWER
- ST — STORM SEWER
- SF — SILT FENCE
- RD — ROOF DRAIN
- OH — OVERHEAD WIRES
- CATV — BURIED CABLE TV LINES
- E — BURIED ELECTRIC
- T — BURIED TELEPHONE
- FO — FIBER OPTIC
- G — BURIED GAS MAIN
- CAUTION
- PROPERTY LINE
- UTILITY EASEMENT
- SETBACK LINE
- BUILDING TO BE DEMOLISHED
- BUILDING TO REMAIN
- FUTURE CONDOMINIUM BOUNDARY LINE

SCALE 1" = 20'
0' 10' 20' 40'

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ONEIDA Engineering Solutions

5100 Eastpark Blvd., Suite 300, Madison, WI 53718, ph. 608-243-6470 Job# 2017136

Notes:

929 EAST WASHINGTON AVENUE HOTEL

929 E Washington Ave
Madison, Wisconsin

2016.36.02.4

Date	Issuance/Revisions	Symbol
11/22/2023	LAND USE SUBMITTAL	
1/29/2024	UDC SUBMITTAL	
4/8/2024	CITY RESUBMITTAL	
9/22/2025	UDC / MINOR ALT SUBMITTAL	

SITE GRADING PLAN

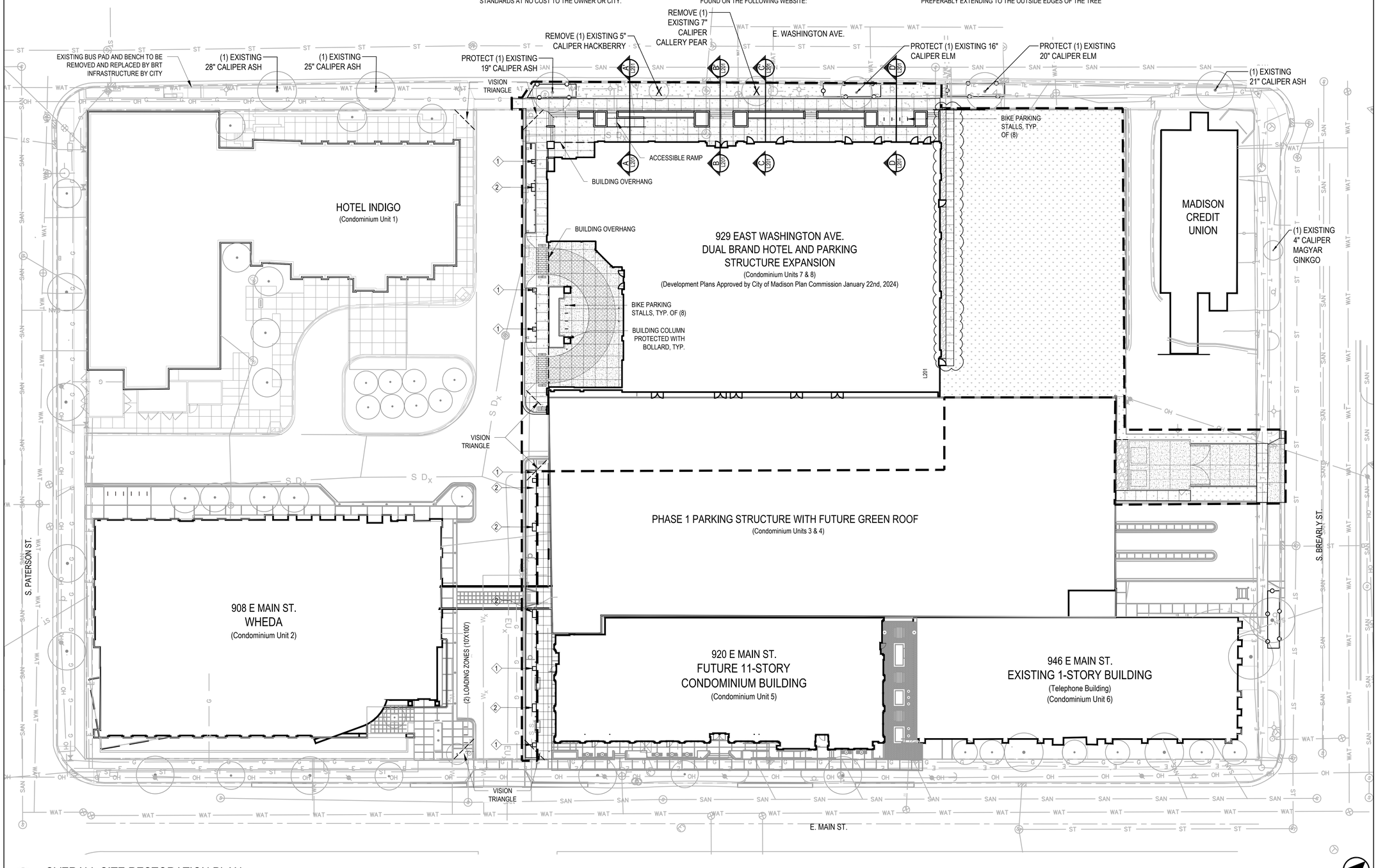
C104

LEGEND

- CONCRETE PAVING - PEDESTRIAN
- CONCRETE PAVING - VEHICULAR
- DECORATIVE CONCRETE PAVING - VEHICULAR
- STONE MULCH MAINTENANCE EDGE
- SEEDED BLUEGRASS LAWN
- TREE PROTECTION FENCE
- LANDSCAPE EDGE
  1 METAL EDGE
- PROJECT BOUNDARY
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- BOLLARD - TYP. OF (11)
- 1 GABION WALL, SEE DETAIL 08-L202
- 2 GABION SEATWALL, SEE DETAIL 09-L202

NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SURVEY INFORMATION AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE CAUSED TO EXISTING UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR SHALL PROTECT BENCHMARKS.
3. PROTECT ALL EXISTING PAVEMENTS, CURBS, UTILITIES AND OTHER IMPROVEMENTS THAT ARE INTENDED TO REMAIN FROM DAMAGE DURING CONSTRUCTION; IF DAMAGE OCCURS, FULLY AND COMPLETELY RESTORE DAMAGED AREAS TO MATCH PRE-CONSTRUCTION CONDITIONS UNLESS OTHERWISE INDICATED BY OWNER'S PROJECT REPRESENTATIVE OR CITY REPRESENTATIVE.
4. ALL EXISTING PLANT MATERIAL IS SHOWN AT EXISTING, APPROXIMATED SIZE PER CITY OF MADISON STANDARDS.
5. ALL WRAPPINGS, WIRE BASKETS, BURLAP, AND OTHER MISCELLANEOUS MATERIAL SHALL BE COMPLETELY REMOVED FROM ALL SHRUB AND TREE ROOT BALLS PRIOR TO INSTALLATION UNLESS OTHERWISE DIRECTED BY CITY FORESTRY FOR RIGHT-OF-WAY TREES OR LANDSCAPE ARCHITECT FOR TREES ON PRIVATE PROPERTY.
6. ANY LAWN OR LANDSCAPED AREA OUTSIDE OF THE CONSTRUCTION BOUNDARY THAT IS DISTURBED SHALL BE RE-SEEDED AND/OR REPAIRED WITH ORIGINAL MATERIALS TO PRE-DISTURBANCE STANDARDS AT NO COST TO THE OWNER OR CITY.
7. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTENANCE OF PLANT MATERIAL AND LAWNS - SEE SPECIFICATIONS.
8. THIS PROJECT PROPOSES THE REMOVAL OF (2) TREES IN THE EAST WASHINGTON AVE. TERRACE: (1) 5" CAL. HACKBERRY AND (1) 7" CAL. CALLERY PEAR. THE CONTRACTOR SHALL CONTACT CITY FORESTRY AT 608-266-4816 TO ISSUE A STREET TREE REMOVAL PERMIT FOR THESE (2) TREES DUE TO CONSTRUCTION STAGING AND ACCESS CONFLICTS ALONG EAST WASHINGTON AVE.
9. 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.
10. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY 608-266-4816 PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM
11. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT 608-266-4816. PENALTIES AND REMEDIATION WILL BE ASSESSED TO THE CONTRACTOR.
12. SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
13. ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND EXTEND A MIN. OF 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK, PREFERABLY EXTENDING TO THE OUTSIDE EDGES OF THE TREE CANOPY TAKING CARE NOT TO ENCROACH ON ANY VISION TRIANGLES. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
14. STREET TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. CONTACT CITY FORESTRY AT (608)266-4816. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 - PART 1 STANDARDS FOR PRUNING.
15. AT LEAST ONE WEEK PRIOR TO PLANTING, CONTRACTOR SHALL CONTACT CITY FORESTRY AT 608-266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.
16. CONTRACTOR SHALL THOROUGHLY REVIEW ALL SPECIFICATION SECTIONS RELATED TO SOIL PREPARATION, TURF AND GRASSES, AND PLANTS (SECTIONS 32 91 13, 32 92 00 & 32 93 00). THESE SECTIONS PROVIDE ADDITIONAL DETAILED INFORMATION ON MATERIALS AND SET STANDARDS FOR QUALITY AND INSTALLATION REQUIREMENTS.



1 OVERALL SITE RESTORATION PLAN
SCALE: 1" = 20'-0" (AT 30"x42" FULL SIZE SHEET)

0 20' 40'
1" = 20'-0"
NORTH

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saiki DESIGN
1110 S PARK STREET
MADISON, WI 53715
PHONE: 608-251-3600

Notes:

WISCONSIN
Abbie Moilien
LA-673
Madison
Wisconsin
LANDSCAPE ARCHITECT
Abbie Moilien
9/22/25

PRELIMINARY
NOT FOR CONSTRUCTION

929 East Washington Avenue Hotel

929 E Washington Ave.
Madison, Wisconsin

2016.36.02.4

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04/08/2024	CITY RESUBMITTAL	
09/22/2025	UDC / MINOR ALT SUBMITTAL	

OVERALL SITE RESTORATION PLAN

L100

PLANT SCHEDULE

PLANT SCHEDULE TREES

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT.	SIZE	QTY
DECIDUOUS TREES					
	AF	Acer x freemanii 'Armstrong' / Armstrong Freeman Maple	B & B	2.5"Cal	8
	CO	Celtis occidentalis / Common Hackberry	B & B	2" Cal	1
		NOTE: Inspection by City Forestry required prior to planting.			
	GT	Gleditsia triacanthos `Draves` PP 21698 / Street Keeper Honey Locust	B & B	2"Cal	5
	UP	Ulmus x 'New Horizon' / New Horizon Elm	B & B	2" Cal	1
		NOTE: Inspection by City Forestry required prior to planting.			
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
DECIDUOUS SHRUBS					
	Am	Aronia melanocarpa `Low Scape Hedger` / Low Scape Hedger Chokeberry	3 gal	24" HT (MIN.)	4
	Hy	Hydrangea arborescens `Annabelle` / Annabelle Smooth Hydrangea	3 gal	30" HT (MIN.)	5
	Ra	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac	2 gal	18" SPR. (MIN.)	15
	Sc	Stephanandra incisa `Crispa` / Cutleaf Stephanandra	2 gal	18" SPR. (MIN.)	20
GRASSES					
	ckf	Calamagrostis x acutiflora `Karl Foerster` / Feather Reed Grass	1 gal	CONT.	18
	ssm	Schizachyrium scoparium 'MinnblueA' / Blue Heaven® Little Bluestem	1 gal	CONT.	38
	ses	Sesleria autumnalis / Autumn Moor Grass	1 qt	CONT.	153
PERENNIALS					
	amb	Amsonia tabernaemontana `Blue Ice` / Blue Ice Star Flower	1 qt	CONT.	88

LEGEND

- SEEDED BLUEGRASS LAWN
- PLANTING BED
- STONE MULCH WITH METAL EDGE
- EXISTING TREE
- TREE PROTECTION FENCE
- LANDSCAPE EDGE
  1. METAL EDGE
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- 1 GABION WALL, SEE DETIAL 08-L202
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2. CONTRACTOR SHALL PROTECT BENCHMARKS. PROTECT ALL EXISTING PAVEMENTS, CURBS, UTILITIES AND OTHER IMPROVEMENTS FROM CONSTRUCTION RELATED ACTIVITIES.
3. TOPSOIL AND PLANTING SOILS USED FOR THIS PROJECT MUST BE HIGH-QUALITY. REFER TO SECTION 32 91 13 FOR TOPSOIL QUALITY AND TESTING REQUIREMENTS.
4. COMPACTED CONSTRUCTION AREAS MUST BE EXCAVATED AND DECOMPACTED PRIOR TO TOPSOIL OR PLANTING SOIL PLACEMENT. VERIFY THAT THESE REQUIREMENTS HAVE BEEN MET AND THAT THE SPECIFIED DEPTH OF TOPSOIL OR PLANTING SOIL HAS BEEN PROVIDED PRIOR SEEDING OR PLANTING; REFER TO SECTION 32 91 13.
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9. REFER TO L100 FOR NOTES ON TREE PROTECTION AND RIGHT-OF-WAY TREES.

City of Madison Landscape Worksheet

929 East Washington Avenue
September 12th, 2025
Traditional Employment Urban Design District 8

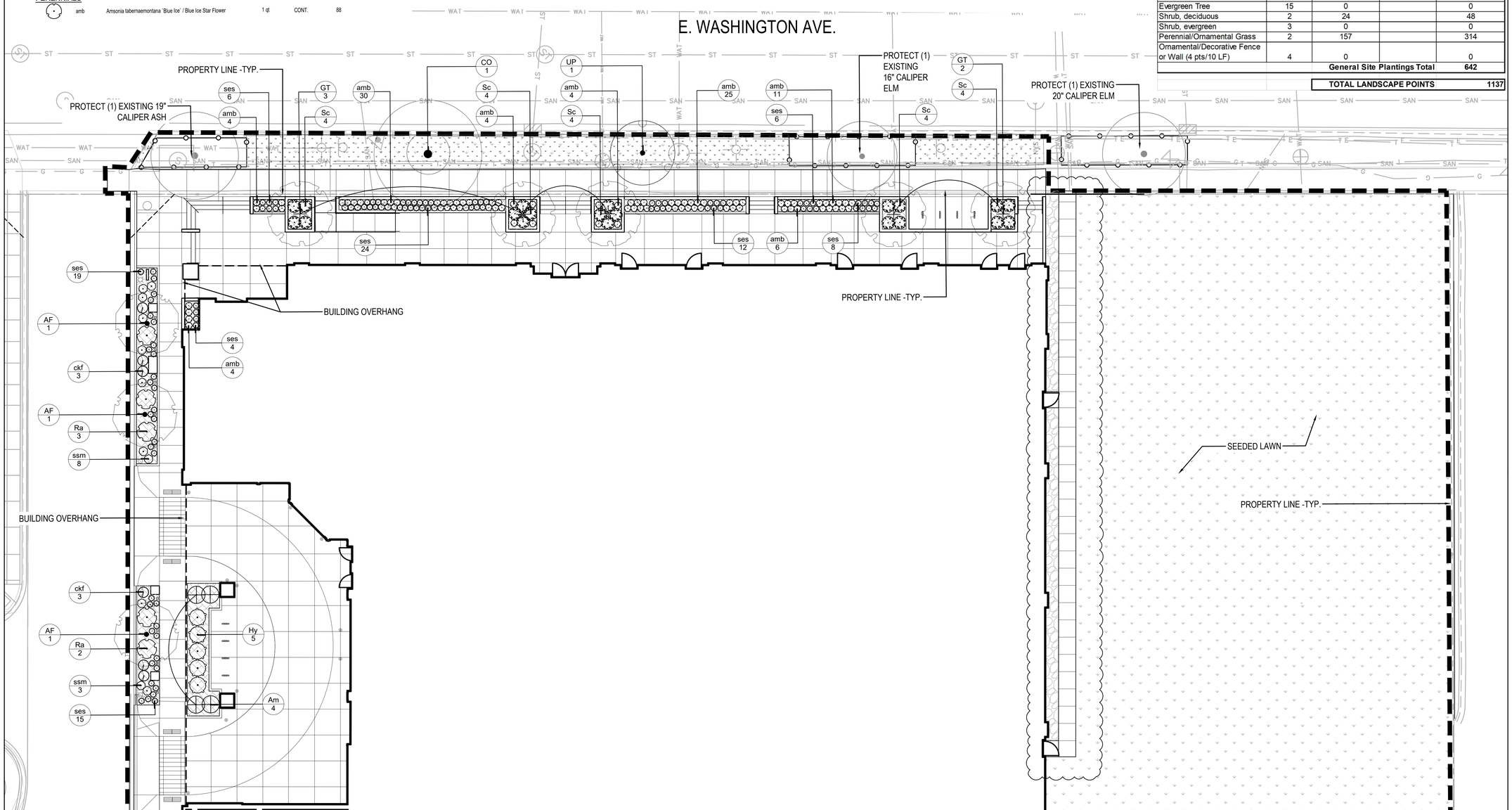
Developed Lots	SF	Minimum Open Space Required (SF)	Landscape Units Required	Landscape Points Subtotal
Total Developed Area	31,115	n/a	104	519
		Landscape Points Required		519

Development Frontage	LF	Overstory Tree Req. (or x2 for Orn./Evrgrn. Tree Sub.)		Shrubs Required
Total LF of Street Frontage Between Bldg./Parking & Streets	200	7		33
Element	**Point Value**	**Quantity Proposed**	**Quantity Existing**	**Points Achieved**
Overstory Deciduous Tree	35	5		175
Ornamental Tree	15	0		0
Evergreen Tree	15	0		0
Shrub, deciduous	2	20		40
Shrub, evergreen	3	0		0
Perennial/Ornamental Grass	2	140		280
Ornamental/Decorative Fence or Wall (4 pts/10 LF)	4	18		7
		Development Frontage Points Total		495

Interior Parking Lots	N/A
Total Parking Lot Area	n/a

General Site, Foundation, Screening				
Element	**Point Value**	**Quantity Proposed**	**Quantity Existing**	**Points Achieved**
Overstory Deciduous Tree	35	8		280
Ornamental Tree	15	0		0
Evergreen Tree	15	0		0
Shrub, deciduous	2	24		48
Shrub, evergreen	3	0		0
Perennial/Ornamental Grass	2	157		314
Ornamental/Decorative Fence or Wall (4 pts/10 LF)	4	0		0
		General Site Plantings Total		642

TOTAL LANDSCAPE POINTS	1137



1 PLANTING & LANDSCAPE RESTORATION PLAN - NORTH

SCALE: 1" = 10'-0" (AT 30"x42" FULL SIZE SHEET)

0 10' 20'
1" = 10'-0"
NORTH

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Potter Lawson
Success by Design

saiki DESIGN
1110 S PARK STREET
MADISON, WI 53715
PHONE: 608-251-3600

Notes:

WISCONSIN Abbie Moilien LA-673 Madison Wisconsin LANDSCAPE ARCHITECT
9/22/25

PRELIMINARY
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929 E Washington Ave.
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PLANTING & LANDSCAPE RESTORATION PLAN - NORTH

L200

PLANT SCHEDULE

PLANT SCHEDULE TREES

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- PLANTING BED
- STONE MULCH WITH METAL EDGE
- EXISTING TREE
- TREE PROTECTION FENCE
- LANDSCAPE EDGE
  1. METAL EDGE
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- 2 GABION SEATWALL, SEE DETAIL 09-L202

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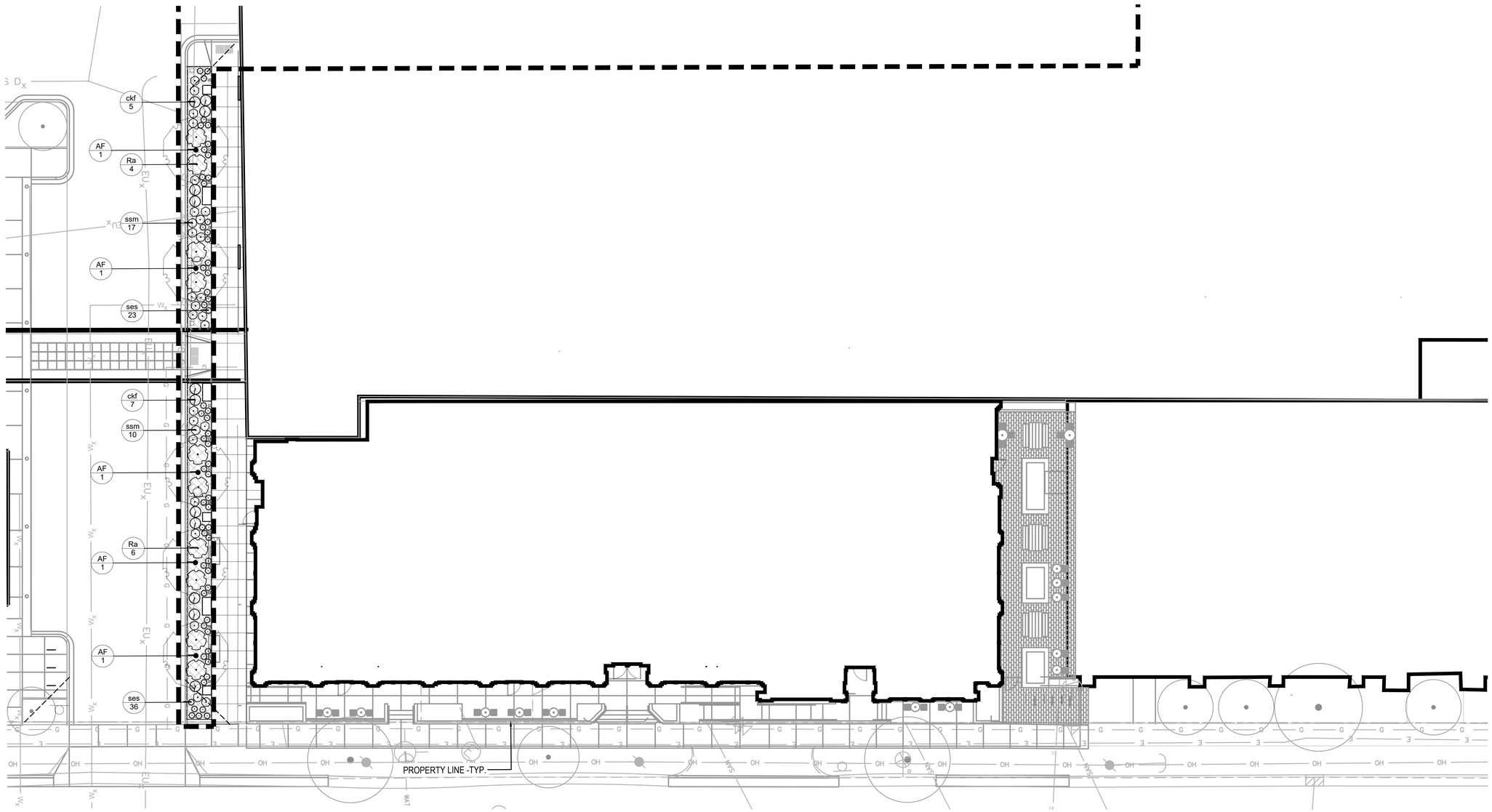

1 PLANTING & LANDSCAPE RESTORATION PLAN - SOUTH

SCALE: 1" = 10'-0" (AT 30"x42" FULL SIZE SHEET)

0 10' 20'
1" = 10'-0"

NORTH

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Success by Design

saiki DESIGN
1110 S PARK STREET
MADISON, WI 53715
PHONE: 608-251-3600

Notes:

WISCONSIN
Abbie Moilien
LA-673
Madison
Wisconsin
LANDSCAPE ARCHITECT

Abbie Moilien
9/22/25

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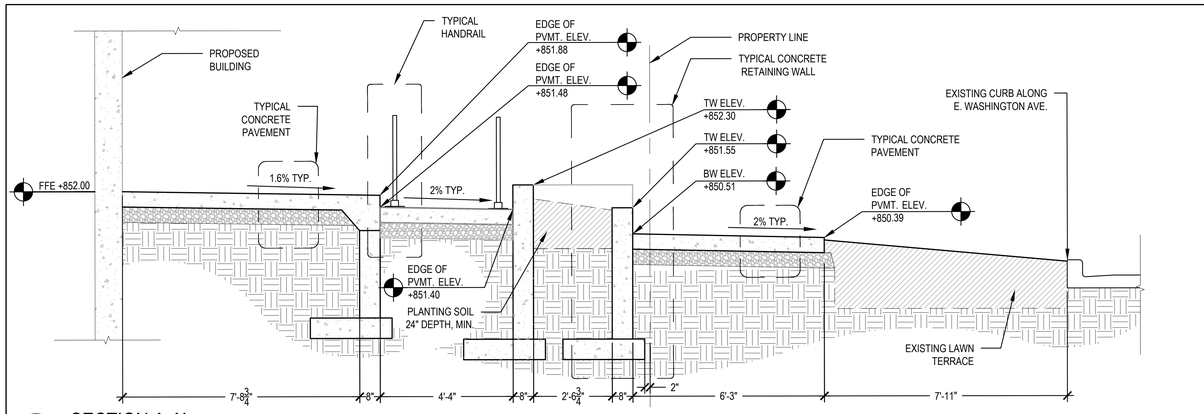
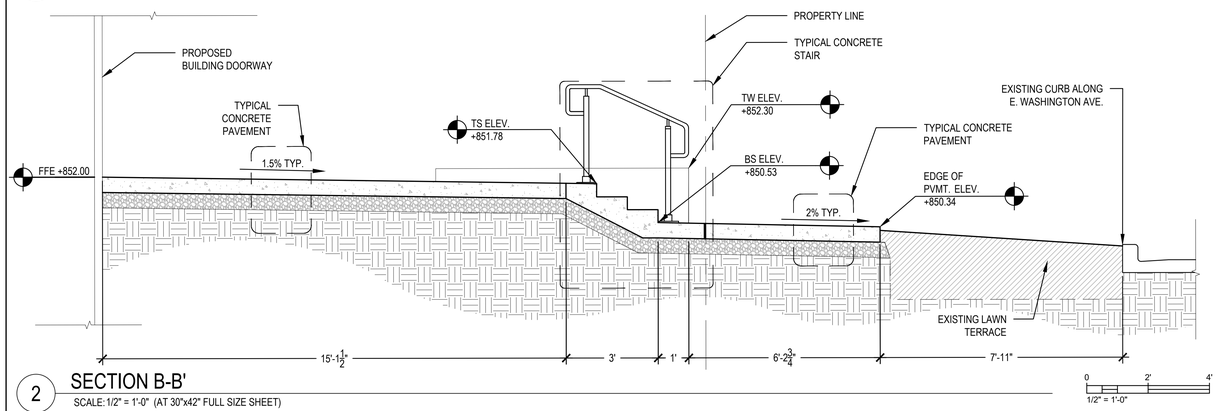
PLANTING & LANDSCAPE RESTORATION PLAN - SOUTH

L201



1 SECTION A-A'
SCALE: 1/2" = 1'-0" (AT 30"x42" FULL SIZE SHEET)



2 SECTION B-B'
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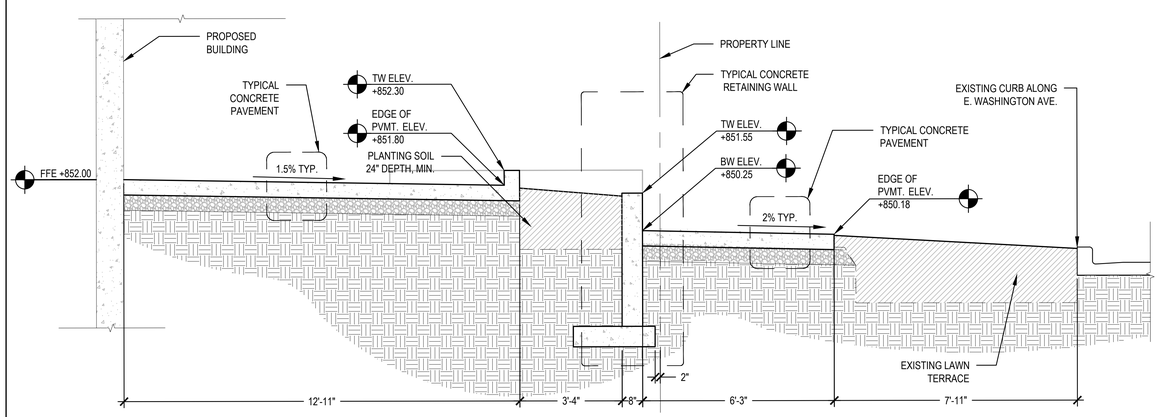

3 SECTION C-C'
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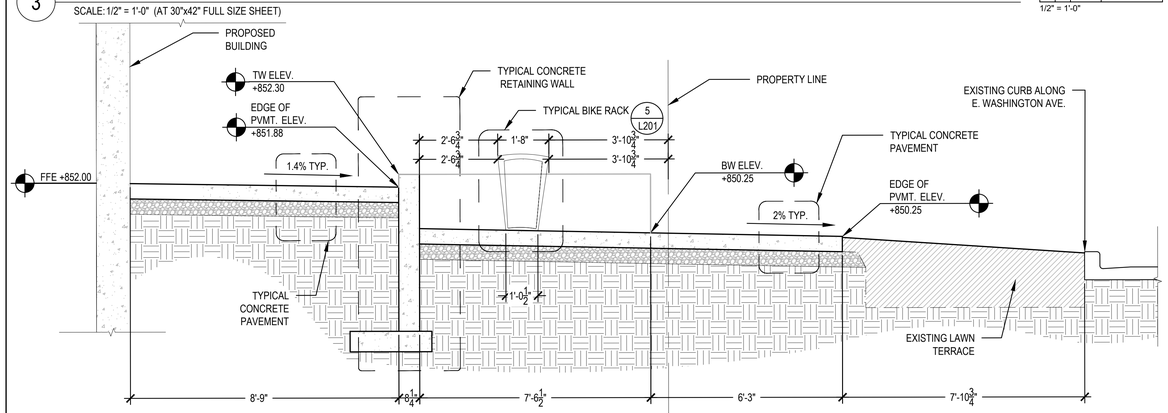
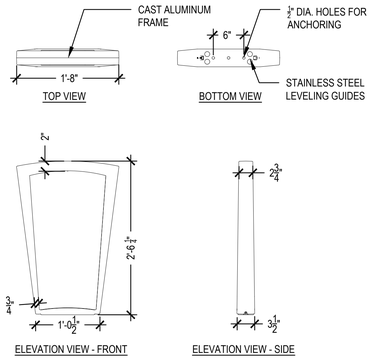


4 SECTION D-D'
SCALE: 1/2" = 1'-0" (AT 30"x42" FULL SIZE SHEET)



5 TYPICAL BIKE RACK
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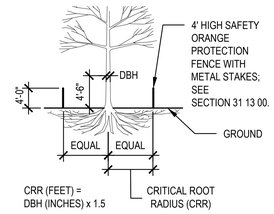


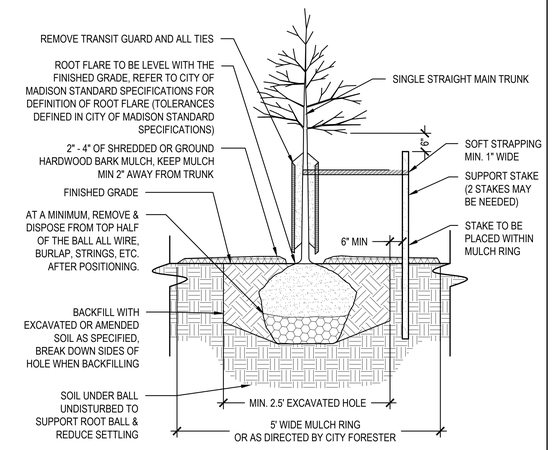
NOTE:

1. REFER TO SECTION 31 13 00, "TREE PROTECTION" FOR SPECIFIC INFORMATION RELATED TO TREE PROTECTING, INCLUDING CITY OF MADISON FORESTRY STANDARDS AND COORDINATION OF TREE PROTECTION MEASURES AND CONSTRUCTION WITHIN THE CITY RIGHT-OF-WAY.
2. ALL TREES SHOWN TO BE RETAINED ON THE PLANS SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING.
3. PROTECT TREE CANOPIES FROM OVERHEAD DAMAGE.
4. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE DEMOLITION OR PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
5. INSTALL FENCING TO THE OUTSIDE EDGES OF THE TREE CANOPY WHEREVER POSSIBLE; DO NOT INSTALL FENCING ANY CLOSER THAN 5' FROM THE TRUNK OF THE TREE.
6. NO STORAGE OF CONSTRUCTION MATERIALS, EQUIPMENT, OR SUPPLIES PERMITTED WITHIN TREE PROTECTION ZONES.
7. NO DISPOSAL OF CONSTRUCTION MATERIALS, BYPRODUCTS, OR SOLUTIONS PERMITTED WITHIN TREE PROTECTION ZONES.
8. TRUNK DIAMETER AT BREAST HEIGHT (DBH) MEASURED AT 4'-6" ABOVE THE GROUND.
9. TREE PROTECTION FENCE STAKES 6' O.C. MAX.

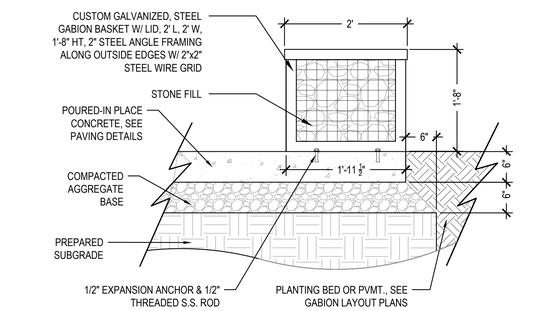
6 TREE PROTECTION FENCE
SCALE: 1/2" = 1'-0" (AT 30"x42" FULL SIZE SHEET)

GENERAL NOTES

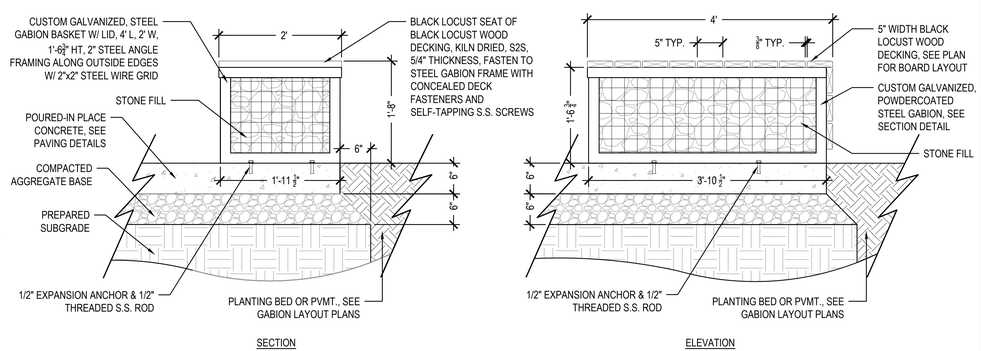
1. ALL EXPOSED SITE WALLS ALONG EAST WASHINGTON ELEVATED PATIO SHALL HAVE A BOARD FORMED FINISH ON ALL EXPOSED FACES, INCLUDING INSIDE FACING RAMPS, PATIOS AND STAIRS (WHERE WALLS ARE EXPOSED TO VIEW ABOVE ANY SITE / TERRACE PAVEMENTS)
2. THESE SECTIONS ARE GRAPHIC IN NATURE TO CONVEY DESIGN INTENT AND RELATIONSHIPS FOR SITE CONSTRUCTION. WALL FOOTINGS, REINFORCING AND CONNECTIONS TO ADJACENT WORK WILL BE REQUIRED; CONTRACTOR SHALL ASSUME WALL CONSTRUCTION TO BE TYPICAL OF EXTERIOR CIP RETAINING WALLS IN MADISON IN THE ABSENCE OF DIMENSIONS OR REINFORCING SIZE AND SPACING INFORMATION INCLUDED IN THIS SET. CD DRAWINGS WILL PROVIDE ADDITIONAL INFORMATION ON FOOTING SIZE, REINFORCING SIZE AND SPACING, AND CONNECTION SIZE AND SPACING.
3. ALL CONCRETE FLATWORK FOR SIDEWALKS, PATIOS, STAIRS AND RAMPS SHALL HAVE A MEDIUM BROOM FINISH.
4. REFER TO CIVIL NOTES FOR ADDITIONAL INFORMATION ON HAND-TOOLED VS. SAW-CUT JOINTS.
5. ALL WORK WITHIN THE CITY OF MADISON RIGHT-OF-WAY SHALL CONFORM TOD CITY STANDARDS FOR THICKNESS, DETAILING, QUALITY CONTROL, ETC.



7 CITY TERRACE TREE PLANTING
SCALE: 1" = 1'-0" (AT 30"x42" FULL SIZE SHEET)



8 GABION WALL
SCALE: 1" = 1'-0" (AT 30"x42" FULL SIZE SHEET)



9 GABION SEAT WALL
SCALE: 1" = 1'-0" (AT 30"x42" FULL SIZE SHEET)

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PHONE: 608-251-3600

Notes:

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Wisconsin
LANDSCAPE ARCHITECT
Abbie Moilien
9/22/25

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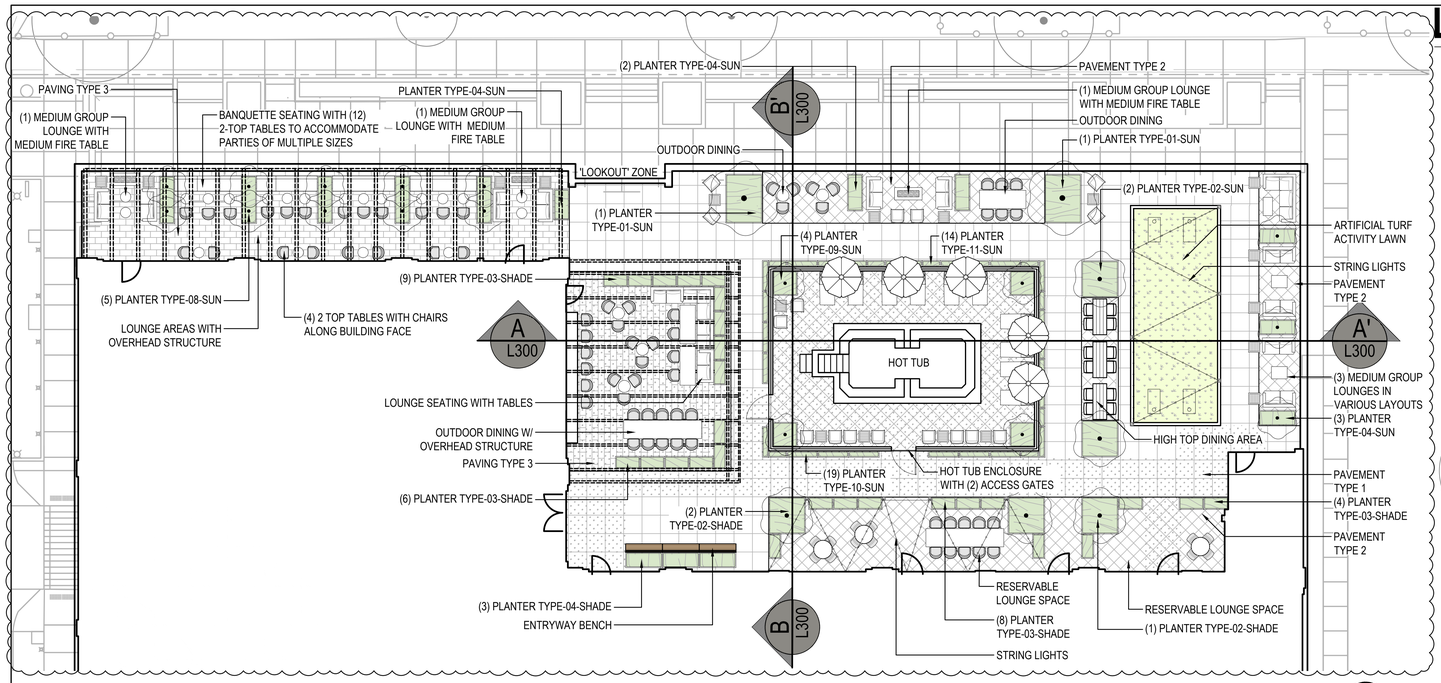
EAST WASHINGTON TERRACE SECTIONS AND DETAILS

L202



1 6TH FLOOR NORTH ROOF TERRACE PLAN

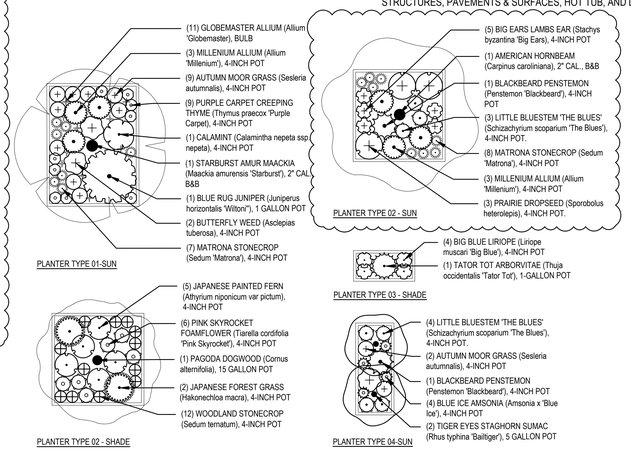
SCALE: 1" = 10'-0" (AT 30"x42" FULL SIZE SHEET)

LEGEND

- ARTIFICIAL TURF ON PEDESTALS
- PAVING TYPE 1 - 24"X24" PRECAST UNIT PAVERS ON PEDESTALS
- PAVING TYPE 2 - 24"X24" PRECAST UNIT ACCENT PAVERS ON PEDESTALS
- PAVING TYPE 3 - 12" X 24" PRECAST UNIT ACCENT PAVERS ON PEDESTAL
- HEATED PAVEMENT EXTENTS
- MODULAR / MOVEABLE PLANTER WITH DIVERSE PERENNIAL AND SHRUB PLANTINGS
- FIRE TABLE W/ PLUMBED GAS LINE AND SAFETY GRATE

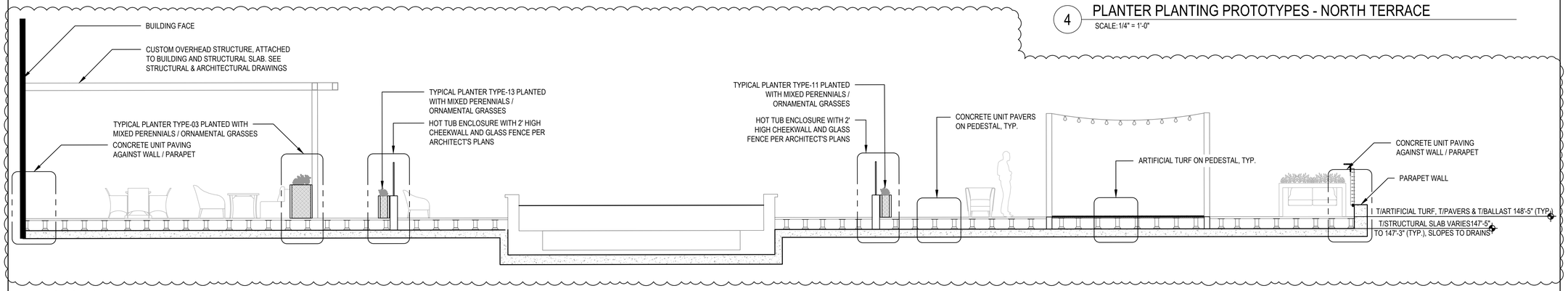
NOTES

1. ROOFING CONTRACTOR SHALL EXAMINE WATERPROOF MEMBRANE AND DETERMINE IF ANY REPAIR OR OTHER WORK IS NECESSARY PRIOR TO INSTALLATION OF ROOF TERRACE IMPROVEMENTS / GREEN ROOF. ROOF ASSEMBLY AND ASSOCIATED WARRANTIES PER ROOFING CONTRACTOR.
2. A CONTIGUOUS SLIP SHEET/ROOT BARRIER SHALL BE LAID OVER ENTIRE WATERPROOF MEMBRANE (WITH OVERLAPPING SEAMS AND TURNED VERTICALLY ALONG ALL VERTICAL CONSTRUCTIONS) TO FULL EXTENT OF PROPOSED IMPROVEMENTS FOR PROTECTION DURING AND AFTER CONSTRUCTION. SEE SPECIFICATIONS.
3. CERTAIN EXISTING CONDITIONS AT THE INTERFACE OF THE EXISTING PHASE 1 PARKING STRUCTURE AND THE NEW 929 BUILDING MAY REQUIRE PATCHING, CUTTING AND FITTING. CONTRACTOR SHALL COMPARE PROPOSED IMPROVEMENTS WITH ACTUAL SITE CONDITIONS AND REPORT ANY DISCREPANCIES FOR RESOLUTION PRIOR TO CONSTRUCTION.
4. WATERPROOFING, INSULATION, FLASHING, SEALANTS AND OTHER ROOFING COMPONENTS PER ROOFING CONTRACTOR.
5. ADHERE LAYERS OF INSULATION TO ONE ANOTHER USING COMPATIBLE CONSTRUCTION ADHESIVE.
6. ALL MOVEABLE SEATING, TABLES, AND COUCHES SHOWN IN THIS DRAWING ARE ASSUMED TO BE PART OF THE FFE PACKAGE OR OFOI. PRICING SHALL INCLUDE ALL PLANTERS AND FIRE TABLES OF VARIOUS SIZES ALONG WITH STRUCTURES, PAVEMENTS & SURFACES, HOT TUB, AND LIGHTING.



4 PLANTER PLANTING PROTOTYPES - NORTH TERRACE

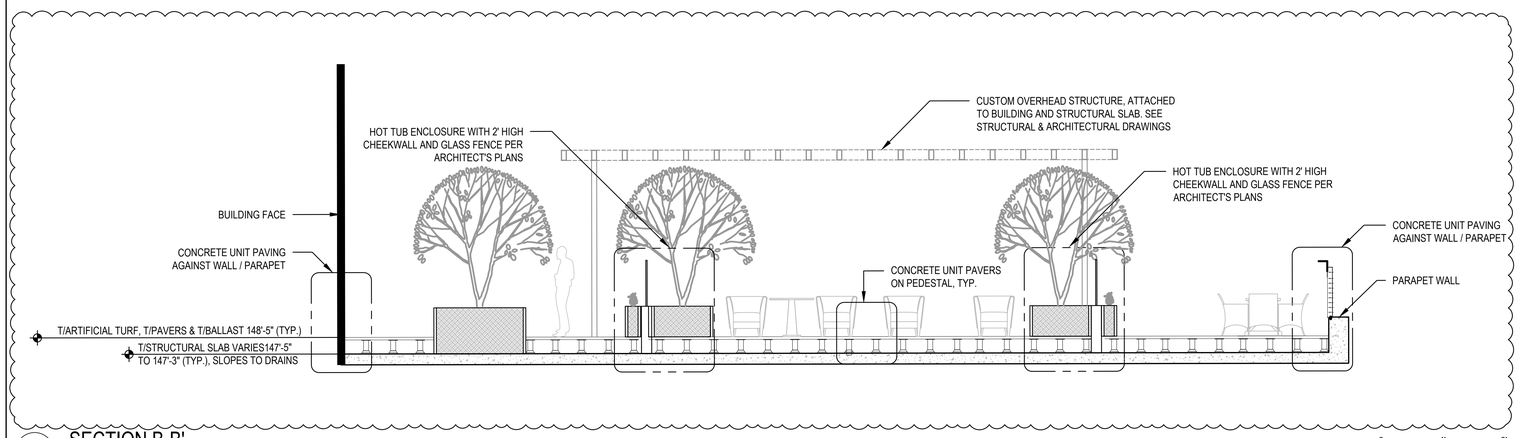
SCALE: 1/4" = 1'-0"



2 SECTION A-A'

SCALE: 1/4" = 1'-0" (AT 30"x42" FULL SIZE SHEET)

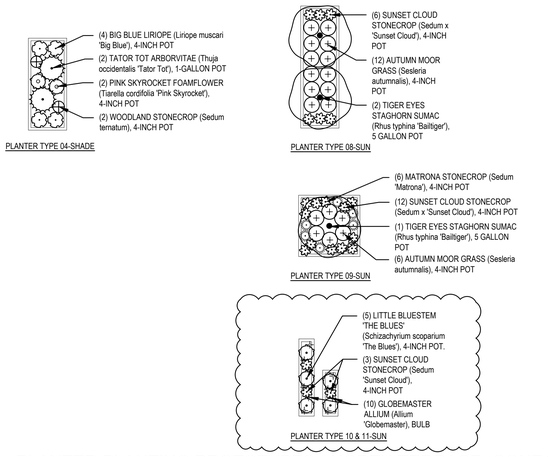
0 4' 8'
1/4" = 1'-0"



3 SECTION B-B'

SCALE: 1/4" = 1'-0" (AT 30"x42" FULL SIZE SHEET)

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



5 PLANTER PLANTING PROTOTYPES - NORTH TERRACE (CONT.)

SCALE: 1/4" = 1'-0"

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LA-673
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Wisconsin
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Abbie Moilien
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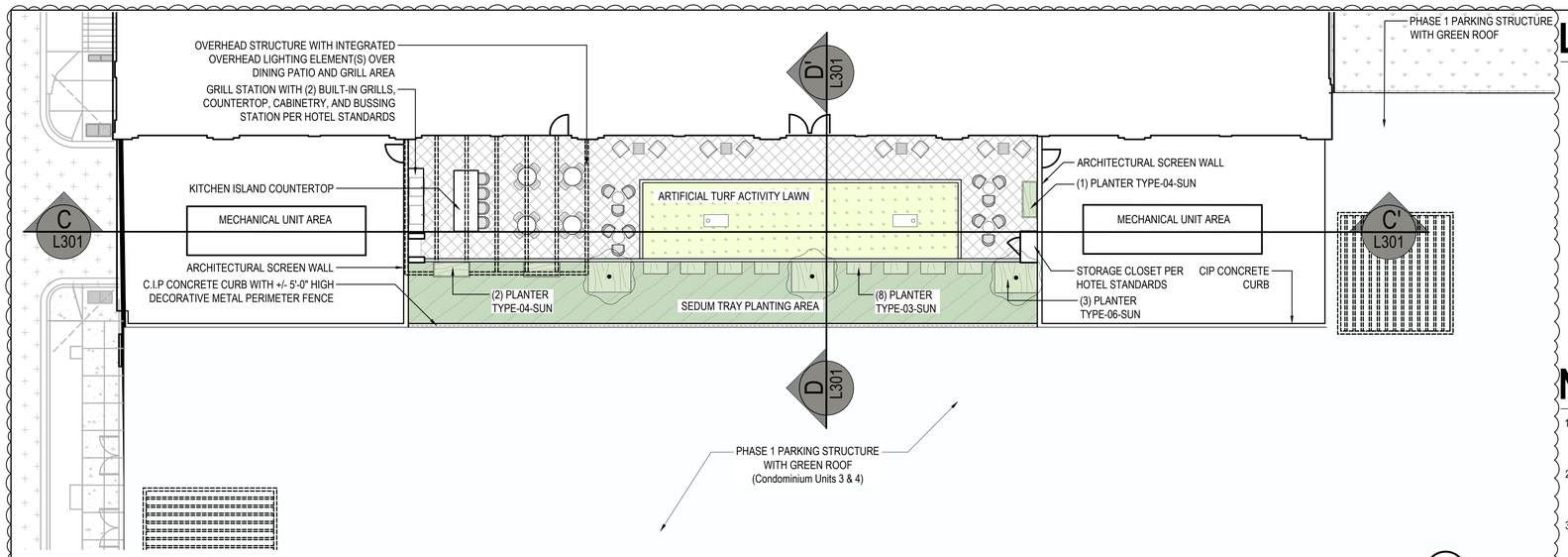
6TH FLOOR NORTH ROOF TERRACE PLAN

L300



1 6TH FLOOR SOUTH ROOF TERRACE PLAN

SCALE: 1" = 10'-0" (AT 30"x42" FULL SIZE SHEET)

LEGEND

- SUN SEDUM CARPET IN BLUE-GREEN TRAY SYSTEM
- ARTIFICIAL TURF ON PEDESTALS
- 24"X24" PRECAST UNIT PAVERS ON PEDESTALS
- METAL EDGING
- PRECAST CONCRETE CURB
- STONE MULCH BALLAST
- MODULAR / MOVEABLE PLANTER
- FIRE TABLE W/ PLUMBED GAS LINE AND SAFETY GRATE

SUN [FULL TO PART SUN] SEDUM CARPET SPECIES COMPOSITION: SUBJECT TO AVAILABILITY, THE SEDUM CARPET WILL BE COMPOSED OF THE FOLLOWING SPECIES IN APPROXIMATELY EQUAL QUANTITIES, PRE-GROWN AND DELIVERED TO THE SITE AS PRE-VEGETATED TRAYS:

- Sedum spurius 'Fuldaglut'
- Sedum spurius 'John Creech'
- Sedum spurius 'Red Carpet'
- Sedum kamtschaticum
- Sedum kamtschaticum 'Variegatum'
- Sedum kamtschaticum var. floriferum
- Sedum takesimensis 'Golden Carpet'
- Sedum x Immergrunchen
- Sedum subsp. rupestre 'Angelina'
- Sedum subsp. rupestre 'Blue Spruce'
- Sedum acre 'Aureum'
- Sedum acre 'Goldmoss'
- Sedum album 'Coral Carpet'
- Sedum album 'Murale'
- Sedum hispanicum
- Sedum sexangulare
- Sedum stefco

NOTES

1. ROOFING CONTRACTOR SHALL EXAMINE WATERPROOF MEMBRANE AND DETERMINE IF ANY REPAIR OR OTHER WORK IS NECESSARY PRIOR TO INSTALLATION OF ROOF TERRACE IMPROVEMENTS / GREEN ROOF. ROOF ASSEMBLY AND ASSOCIATED WARRANTIES PER ROOFING CONTRACTOR.
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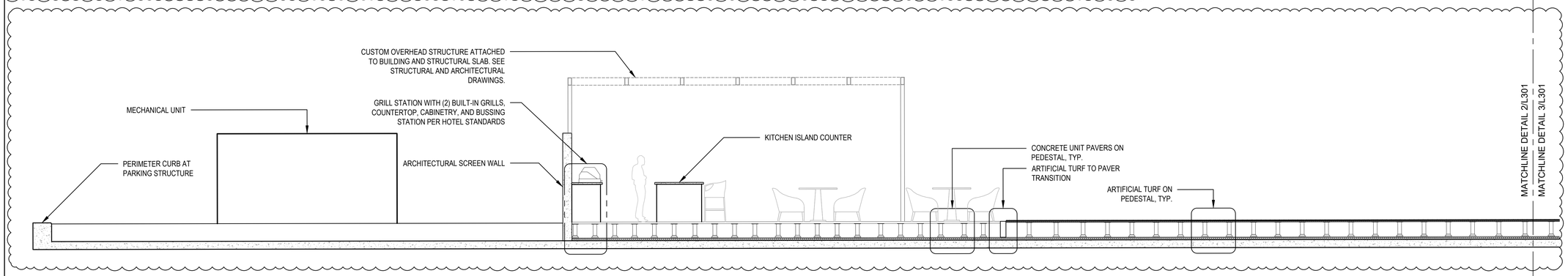
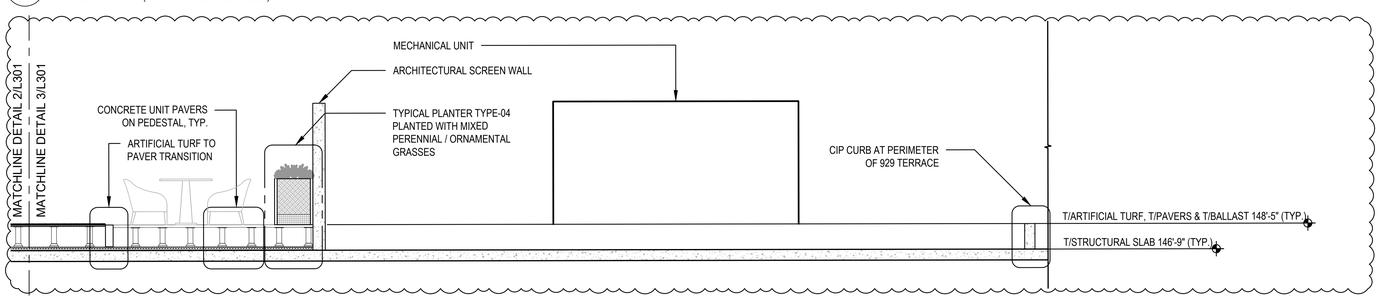
5. ADHERE LAYERS OF INSULATION TO ONE ANOTHER USING COMPATIBLE CONSTRUCTION ADHESIVE.



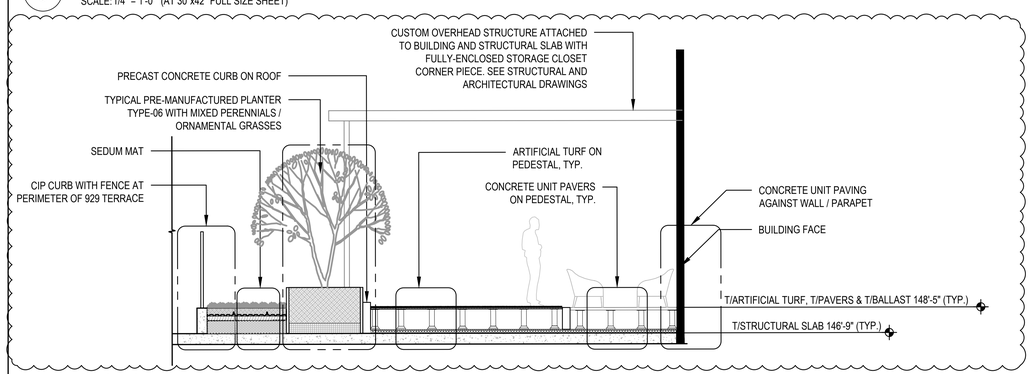
2 SECTION C-C'

SCALE: 1/4" = 1'-0" (AT 30"x42" FULL SIZE SHEET)



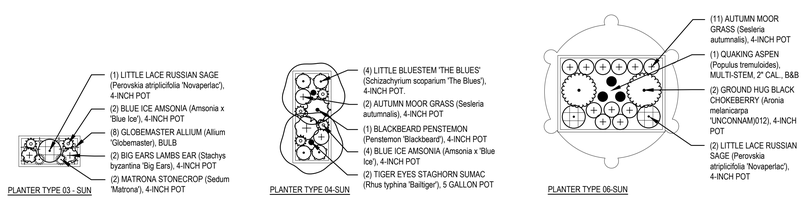
3 SECTION C-C'

SCALE: 1/4" = 1'-0" (AT 30"x42" FULL SIZE SHEET)



4 SECTION D-D'

SCALE: 1/4" = 1'-0" (AT 30"x42" FULL SIZE SHEET)



5 PLANTER PLANTING PROTOTYPE - SOUTH TERRACE

SCALE: 1/4" = 1'-0" (AT 30"x42" FULL SIZE SHEET)

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Notes:

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9/22/25

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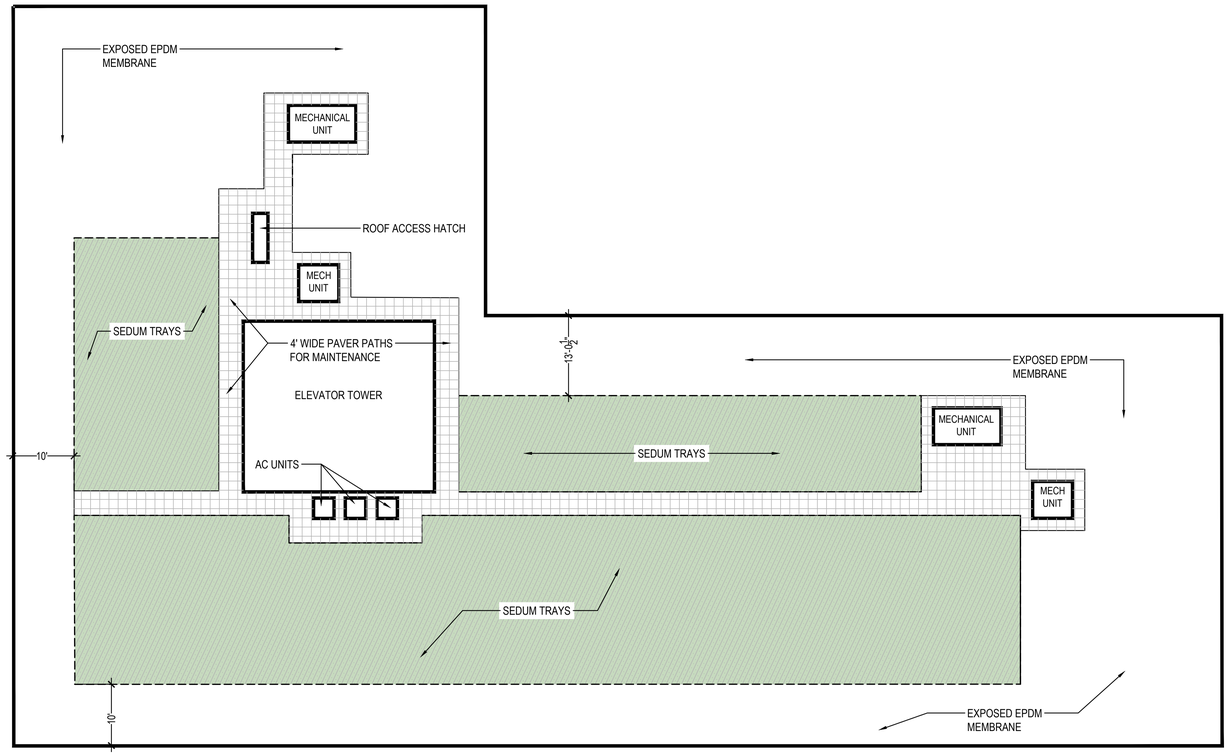
6TH FLOOR SOUTH ROOF TERRACE PLAN

L301



1 PENTHOUSE LEVEL GREEN ROOF PLAN

SCALE: 1" = 10'-0" (AT 30"x42" FULL SIZE SHEET)

0 10' 20'
1" = 10'-0"
NORTH

LEGEND

PRE-VEGETATED SEDUM TRAYS - BLUE GREEN TRAY SYSTEM

MAINTENANCE PAVERS PER ARCH. DRAWINGS

SUN [FULL TO PART SUN] SEDUM CARPET SPECIES COMPOSITION: SUBJECT TO AVAILABILITY, THE SEDUM CARPET WILL BE COMPOSED OF THE FOLLOWING SPECIES IN APPROXIMATELY EQUAL QUANTITIES, PRE-GROWN AND DELIVERED TO THE SITE AS A PRE-VEGETATED TRAYS:

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- Sedum spurius 'John Creech'
- Sedum spurius 'Red Carpet'
- Sedum kamtschaticum
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- Sedum kamtschaticum var. floriferum
- Sedum takesimensis 'Golden Carpet'
- Sedum x Immergrunchen
- Sedum subsp. rupestre 'Angelina'
- Sedum subsp. rupestre 'Blue Spruce'
- Sedum acre 'Aureum'
- Sedum acre 'Goldmoss'
- Sedum album 'Coral Carpet'
- Sedum album 'Murale'
- Sedum hispanicum
- Sedum sexangulare
- Sedum stefco

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PENTHOUSE LEVEL GREEN ROOF PLAN

L302

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2016.36.02.4

Drawing Index

LD100 - Cover Sheet Exterior Lighting
LD101A - Part Site Plan [North] Exterior Lighting
LD101B - Part Site Plan [South] Exterior Lighting
LD106 - Level 06 Exterior Lighting
LD115 - Level 15 Exterior Lighting
LD121 - Lighting Details Exterior Lighting

LD131 - Luminaire Schedule Exterior Lighting

LD131 - Luminaire Schedule Exterior Lighting

LIGHTING ERGONOMICS

100 Sunbridge Ln,
Buffalo Grove (Chicago), IL 60089.
Ph1: +1 312 994 2374,
mail@lightingergonomics.com

GENERAL NOTES

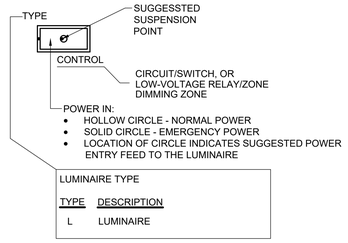
1. ALL THE SHEETS IN THIS DESIGN DEVELOPMENT MANUAL, UNLESS OTHERWISE MENTIONED, TO BE PLOTTED TO 30" X 42" SHEET
2. REFER TO LIGHTING LEGEND ON THE SIDE FOR THE FIXTURE SYMBOL & ABBREVIATION INFORMATION.
3. REFER TO SHEET LD131 FOR LUMINAIRE SCHEDULE
4. ALL DIMENSIONS ARE IN INCHES & FOOT UNLESS OTHERWISE SPECIFIED.
5. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DO NOT SCALE THE DRAWING.
6. ALL THE REFERENCED HEIGHTS ARE FROM FINISHED FLOOR TO THE BOTTOM OF THE LUMINAIRE, UNLESS OTHERWISE NOTED.
7. FOR ALL THE LINEAR LUMINAIRES, EXACT LENGTH TO BE DERIVED FROM THE ARCHITECTURAL CONDITIONS WITHIN WHICH THEY ARE INSTALLED.
8. PROVISIONS FOR THE REMOTE DRIVER SHALL BE MADE IN THE NEAREST ACCESSIBLE LOCATION FOR EASY MAINTENANCE. DISTANCE OF THE DRIVER FROM THE LUMINAIRE SHALL BE MAINTAINED AS PER MANUFACTURER'S RECOMMENDATIONS
9. RELEVANT SERVICES DRAWINGS ARE TO BE READ SIMULTANEOUSLY AND PROVISION OF CUTOUTS / SLEEVES TO BE PROVIDED AS REQUIRED.
10. ALL MANUFACTURERS CONTAINED WITHIN THIS MANUAL ARE PRESENTED TO DEFINE DESIGN DIRECTION AND PERFORMANCE. ALL FINAL SELECTIONS OF MANUFACTURERS SHALL BE AS SPECIFIED OR EQUAL.

OTHER SYMBOLS

NOTE DESIGNATION

1 CONTROL NOTE

LIGHTING LEGEND



RECESSED LINEAR LED PROFILE
MOUNTING LOCATION: FLOOR

LINEAR LED PROFILE
MOUNTING LOCATION: HANDRAIL AND FURNITURE INTEGRATED

WALL SURFACE
MOUNTING LOCATION: WALL

BOLLARD
MOUNTING LOCATION: FLOOR

RECESSED STEP LIGHT
MOUNTING LOCATION: WALL

SURFACE MOUNT LIGHT FIXTURE
MOUNTING LOCATION: CEILING

RECESSED DOWNLIGHT
MOUNTING LOCATION: FLOOR

POLE LIGHT WITH HEADS
MOUNTING LOCATION: FLOOR

DECORATIVE SUSPENDED FIXTURE
MOUNTING LOCATION: CEILING

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09/22/2025	UDC / MINOR ALT SUBMITTAL

COVER SHEET EXTERIOR LIGHTING

LD100

16-11-2023 11:46:29

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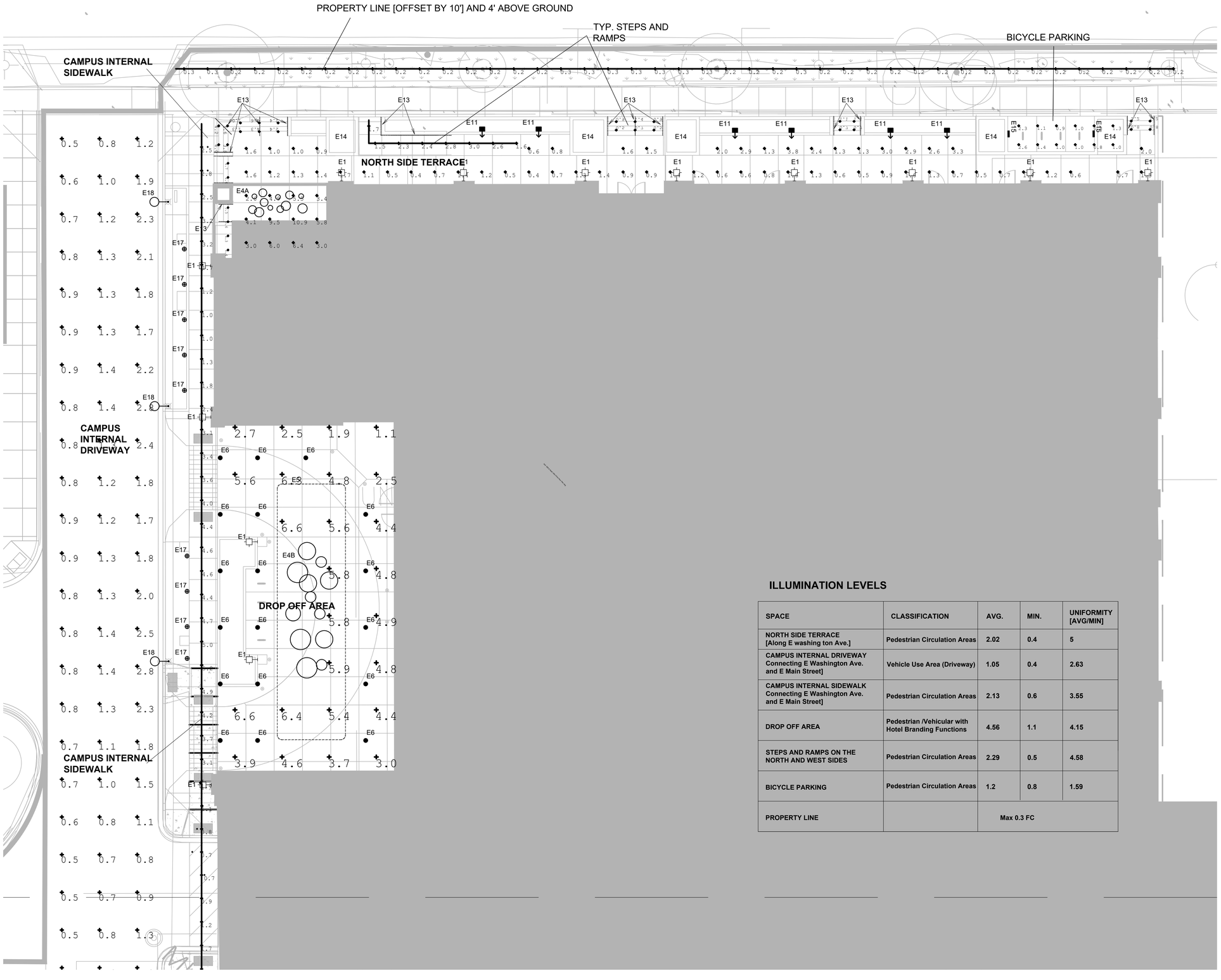

ILLUMINATION LEVELS

SPACE	CLASSIFICATION	AVG.	MIN.	UNIFORMITY [AVG/MIN]
NORTH SIDE TERRACE [Along E washing ton Ave.]	Pedestrian Circulation Areas	2.02	0.4	5
CAMPUS INTERNAL DRIVEWAY Connecting E Washington Ave. and E Main Street]	Vehicle Use Area (Driveway)	1.05	0.4	2.63
CAMPUS INTERNAL SIDEWALK Connecting E Washington Ave. and E Main Street]	Pedestrian Circulation Areas	2.13	0.6	3.55
DROP OFF AREA	Pedestrian /Vehicular with Hotel Branding Functions	4.56	1.1	4.15
STEPS AND RAMPS ON THE NORTH AND WEST SIDES	Pedestrian Circulation Areas	2.29	0.5	4.58
BICYCLE PARKING	Pedestrian Circulation Areas	1.2	0.8	1.59
PROPERTY LINE		Max 0.3 FC		

01 LD101A PART SITE PLAN [NORTH] LIGHTING PLAN
1/64" = 1'-0"

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LIGHTING ERGONOMICS

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PART SITE PLAN [NORTH] EXTERIOR LIGHTING

LD101A

16-11-2023 11:46:29

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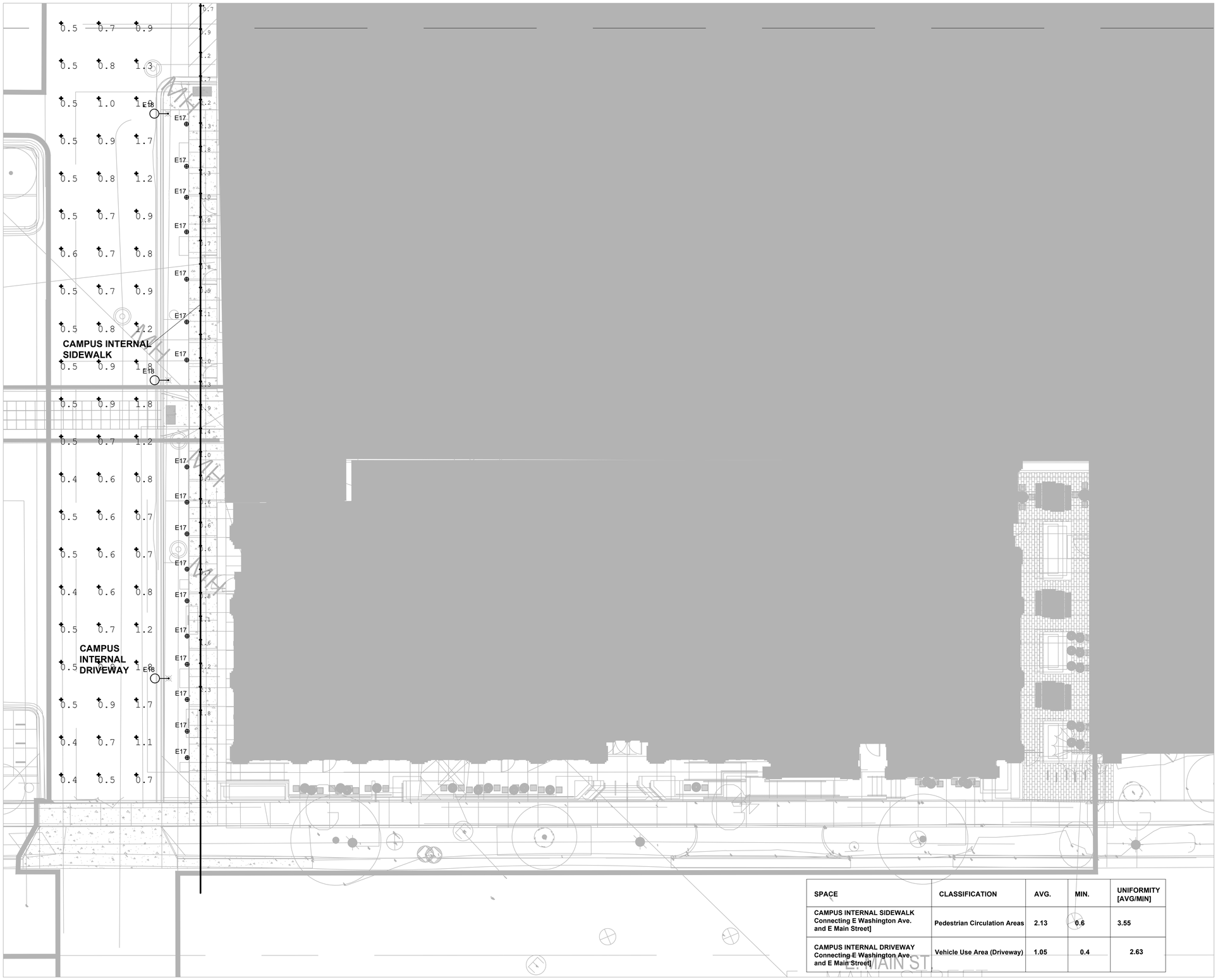

SPACE	CLASSIFICATION	AVG.	MIN.	UNIFORMITY [AVG/MIN]
CAMPUS INTERNAL SIDEWALK Connecting E Washington Ave. and E Main Street]	Pedestrian Circulation Areas	2.13	0.6	3.55
CAMPUS INTERNAL DRIVEWAY Connecting E Washington Ave. and E Main Street]	Vehicle Use Area (Driveway)	1.05	0.4	2.63

01 LD101B PART SITE PLAN [SOUTH] LIGHTING PLAN
1/64" = 1'-0"

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PART SITE PLAN [SOUTH] EXTERIOR LIGHTING

LD101B

16-11-2023 11:46:29

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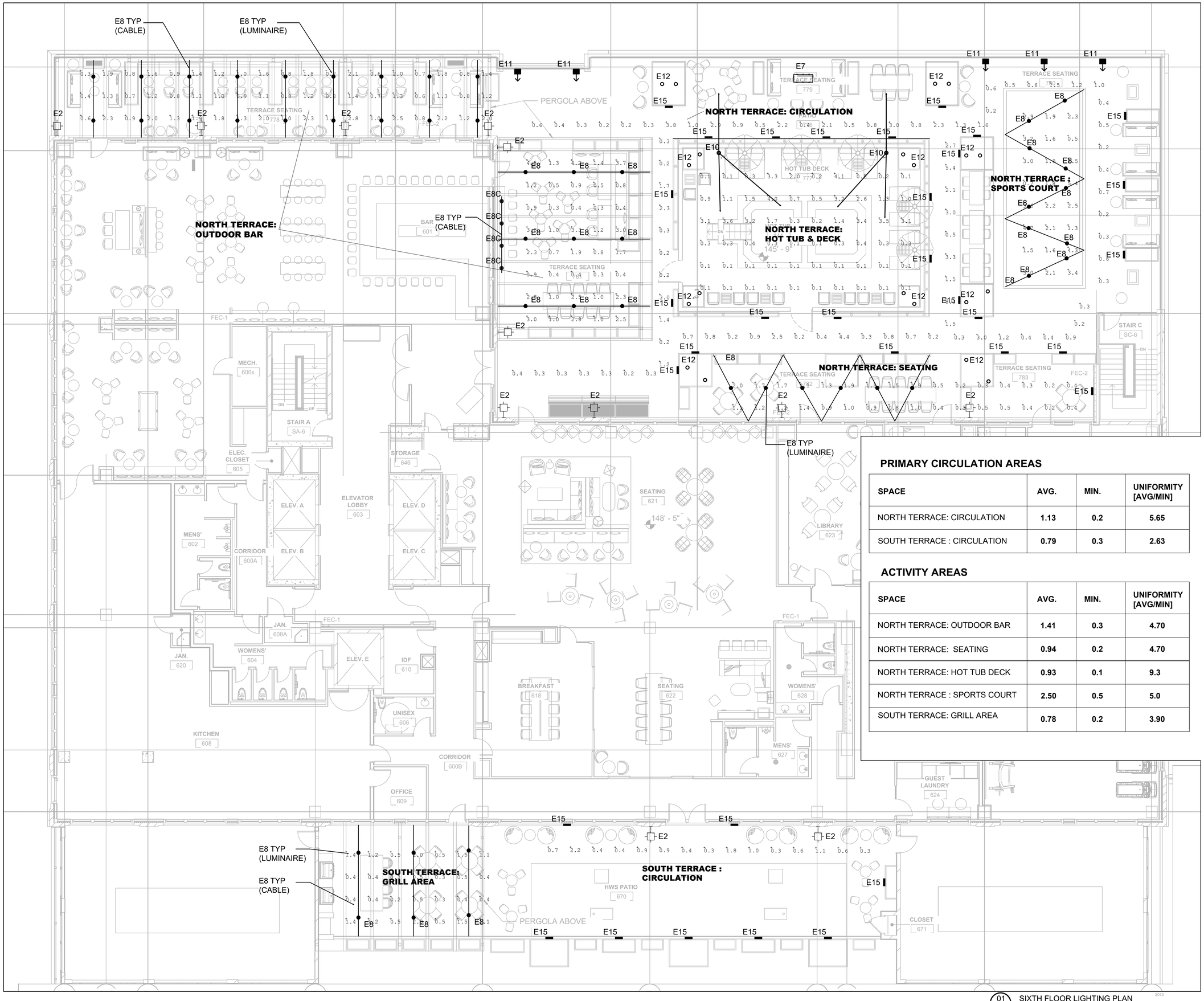

PRIMARY CIRCULATION AREAS

SPACE	AVG.	MIN.	UNIFORMITY [AVG/MIN]
NORTH TERRACE: CIRCULATION	1.13	0.2	5.65
SOUTH TERRACE : CIRCULATION	0.79	0.3	2.63

ACTIVITY AREAS

SPACE	AVG.	MIN.	UNIFORMITY [AVG/MIN]
NORTH TERRACE: OUTDOOR BAR	1.41	0.3	4.70
NORTH TERRACE: SEATING	0.94	0.2	4.70
NORTH TERRACE: HOT TUB DECK	0.93	0.1	9.3
NORTH TERRACE : SPORTS COURT	2.50	0.5	5.0
SOUTH TERRACE: GRILL AREA	0.78	0.2	3.90

01 LD106 SIXTH FLOOR LIGHTING PLAN
1/64" = 1'-0"

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LIGHTING ERGONOMICS

PRELIMINARY
NOT FOR CONSTRUCTION

929 East Washington Avenue Hotel

929 E. Washington Ave.
Madison, WI

2016.36.02.4

DATE	ISSUANCE/REVISIONS
11/27/2023	LAND USE SUBMITTAL
01/29/2024	UDC RESUBMITTAL
04/05/2024	DESIGN DEVELOPMENT
04/08/2024	CITY RESUBMITTAL
09/22/2025	UDC / MINOR ALT SUBMITTAL

LEVEL 6 PLAN
EXTERIOR LIGHTING

LD106

16-11-2023 11:46:29

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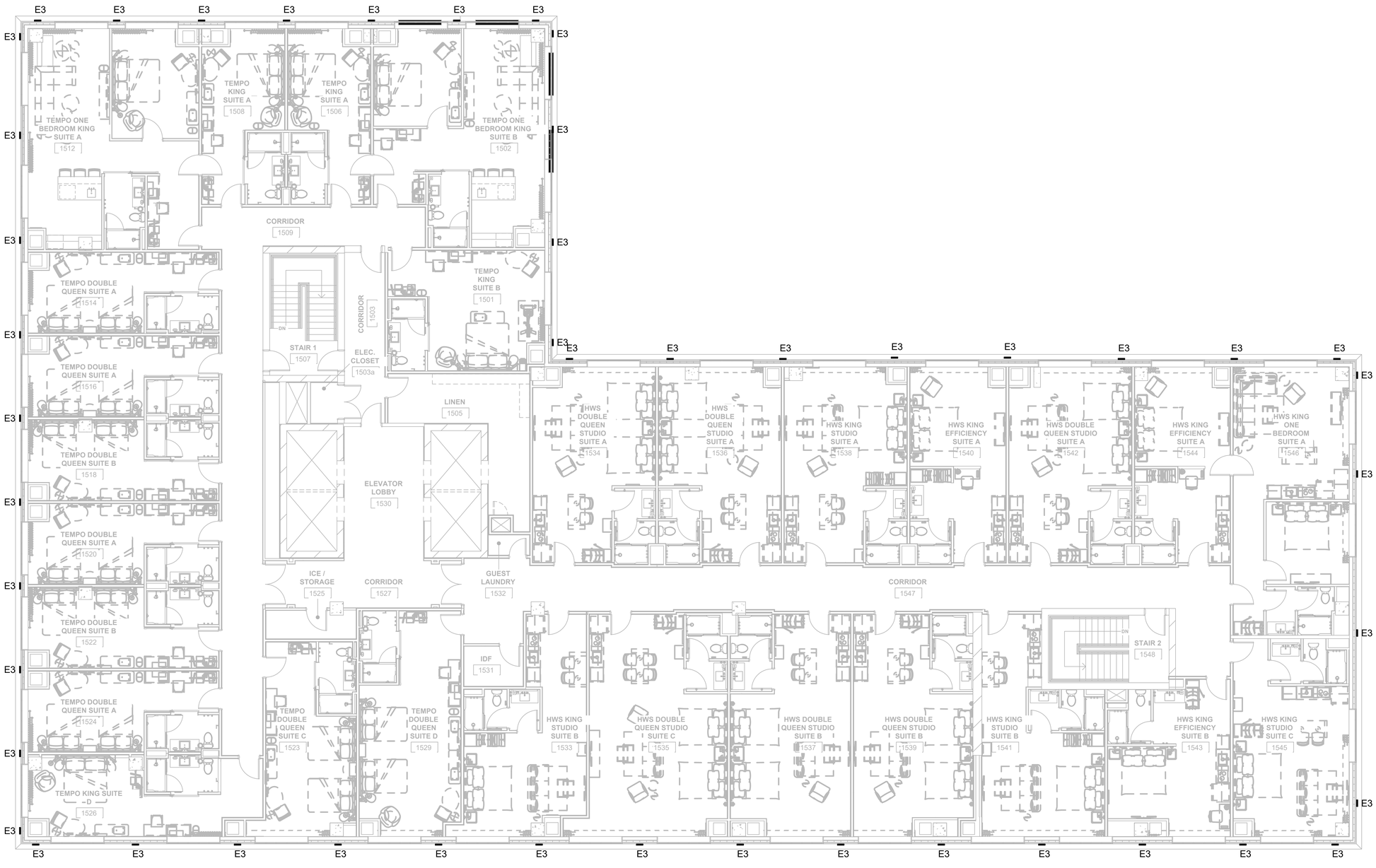

01 LD115 LEVEL 15 FLOOR LIGHTING PLAN
1/64" = 1'-0"

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LIGHTING ERGONOMICS

PRELIMINARY
NOT FOR CONSTRUCTION

929 East Washington Avenue Hotel

929 E. Washington Ave.
Madison, WI

2016.36.02.4

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04/18/2024	UDC/CITY PLAN REVIEW
09/22/2025	UDC / MINOR ALT SUBMITTAL

LEVEL 15 PLAN EXTERIOR LIGHTING

LD115

16-11-2023 11:46:29

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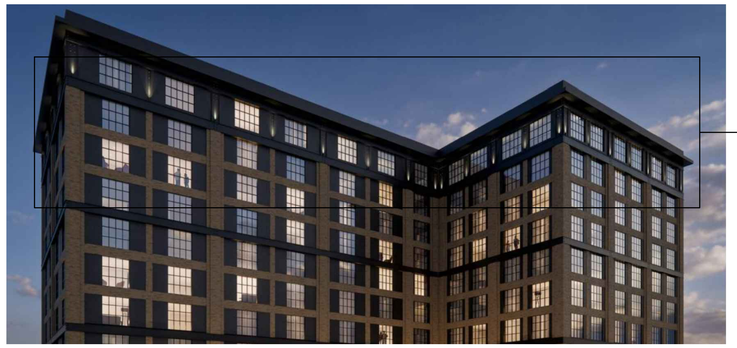
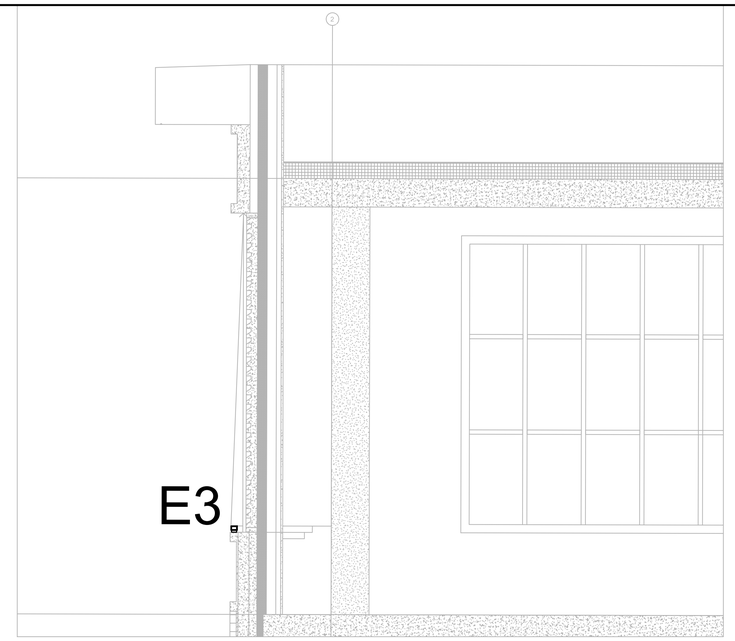
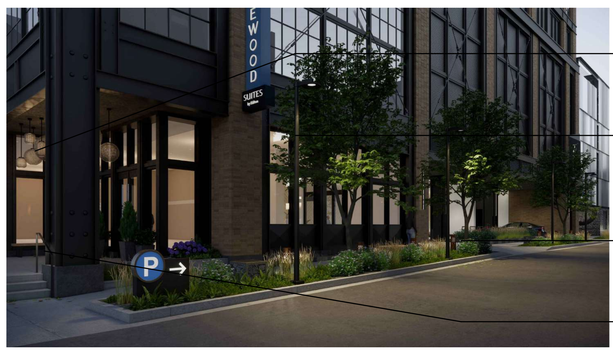


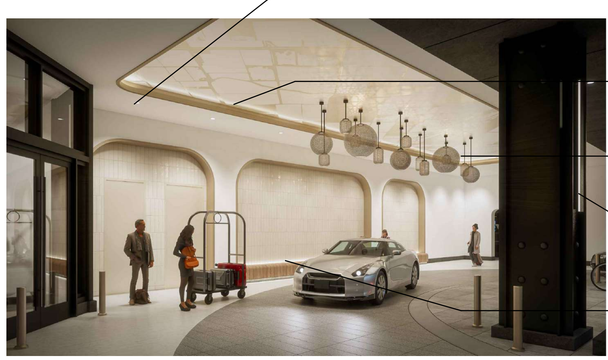
01 LD121 E3 LUMINAIRE LIGHTING - FACADE



02 LD121 E3 LUMINAIRE LIGHTING DETAIL
1/16" = 1'-0"



03 LD121 NORTH SIDE TERRACE AND CAMPUS INTERNAL WALKWAY LIGHTING



04 LD121 DROP OFF LIGHTING

Potter Lawson
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LIGHTING ERGONOMICS

PRELIMINARY
NOT FOR CONSTRUCTION

929 East Washington Avenue
Hotel

929 E. Washington Ave.
Madison, WI

2016.36.02.4

DATE	ISSUANCE/REVISIONS
04/05/2024	DESIGN DEVELOPMENT
04/18/2024	UDC\CITY PLAN REVIEW
09/22/2025	UDC / MINOR ALT SUBMITTAL

LIGHTING DETAILS
EXTERIOR LIGHTING

LD121

16-11-2023 11:46:29

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EXTERIOR LUMINAIRE SCHEDULE

Luminaire Reference	Luminaire Image	Where Fixtures are to be Used	Generic Luminaire Description: Physical Profile / Shape / Optics	Reference Product	Finishes	Wattage (w)	Lumens (Lm)	CCT and CRI	Dimmer Type	Installation Notes and Comments	Compliance Notes to meet UDD 8 guidelines, Dark-Sky Approval, and MGO 29.36 requirements
E1		Exterior Wall Pilaster at Grade Level	3"W x 2-3/8"D x 60"H Linear Wall Sconce Which Directs All Luminous Flux from the back of the Front Face on to the wall Surface Surrounding it.	Kuzco: VESTA AT 7950 Series	Black	58w	4800 Lm	3000K / 90+	Current Limiter on Driver	Refer to Lighting Plans for Approximate Locations.	**All light emitted is completely concealed and is totally directed onto the back wall on which it is mounted**
E2		6th Floor Amenities Space Wall Sconce	8"W x 4"D x 20"H Outdoor Rated Decorative Sconce	Jonathan Browning Studio Design Via Restoration Hardware: Savile Grand Round Sconce	Burnished Brass and Bronze with Crystal Optical Lenses and Prisms	5w	450 Lm	2700K / 90+	Forward Phase	Refer to Lighting Plans for Approximate Locations.	**Lamp output of 450 Lumens is in compliance with MGO 29.36. Lamp Specification Sheet Included in Cut Sheet Package**
E3		Single Exterior Upper Beam Column Up-light Accent	12-3/4" x 2-1/16"H Extruded Aluminum Channel with Nano Visor and Radial Louver Glare Control	LumenPulse Lumenfacade Nano Series: Asymmetric Beam is Directed to Column with Radial Louvers and Front Baffle Plate Accessories.	Black	4w	354 Lm/Ft [Specified fixture is 1 Ft. Long] [Cutsheet Info - 1417 Lm/4Ft]	2700K / 90+	Non-Dimmed	Refer to Lighting Plans for Approximate Locations.	**Lamp output of 441 Lumens is in compliance with MGO 29.36 and fixture is provided with both radial louver and front shield preventing any lateral stray light. Additionally there is an overhang above at each location preventing uplight.**
E4A & E4B		Ground Floor Main Entrance and Porte Cochere Pendant Clusters	Custom Cluster of Multi-Size Decorative Pendants, UL Rated for Outdoor Use, and enclosed with Metal Mesh to be Bird-Proof to Meet City Ordinance Requirements	TBD Designed by Architect and LE with Manufacturers Assistance	Woven Metallic Material	3w - 5w	325 Lm - 450 Lm	2700K / 90+	Non-Dimmed	Refer to Lighting Plans for Approximate Locations.	**Conditional Approval is sought as these are custom fixtures of various sizes and are required to be UL Listed for outdoor use (which takes time) and each size lantern will be restricted to a lumen output of less than 500 Lm.**
E5		Porte Cochere Cove and Behind Bench	3/4"H x 3/4"W x XX"L Flexible Encapsulated IP65 Rated LED Strip lighting	LLI Architectural Lighting: LLI-N3.1W-65-27K-DSP-120V	Frosted PVC Tubing	3.1w/ft	128 Lm/ft	2700K / 90+	Non-Dimmed	Refer to Lighting Plans for Approximate Locations.	**This fixture type is totally Concealed in either an Architectural Cove (Directing light upwards towards the ceiling) or Behind/Beneath Seating Bench Directing light towards the wall.**
E6		Main Entrance Porte Cochere	3.5" Diameter Recessed Wide Flood 59 Degree Beam Optics with 50 Degree Cut-Off	Focal Point: ID+3.5 700 Lm Series	Clear Trim	8w	721 Lm	3000K / 90+	Forward Phase, 0 - 10 V	Refer to Lighting Plans for Approximate Locations.	**Recessed in the ceiling, this fixture type is considered to be a Cut-Off luminaire thereby in Compliance with MGO 29.36 requirements**
E7		Landscape Linear Under Furniture Accent Directed Downward	0.7" x 0.7" Channel with Encapsulated LED Neon- Like Appearance	LLI Architectural Lighting: LLI-N3.5W-67-27K-SX49	White PVC with Frosted Lens	3.5w/ft	158 Lm/ft	2700K / 90+	Non-Dimmed	Refer to Landscape plans and Lighting Plans for Approximate Locations.	**This fixture type is totally Concealed Beneath Landscape furniture Directing all light downward. Mounting Details will be provided at a later date**
E8		6th Floor Exterior Amenities Spaces	Double Cable Self-Healing with Kevlar Coat and Core in Black Finish in Lengths Indicated on Lighting Plans. Cable system for fixtures E8A, E8B and E8C	Bruck Skyline Series	Black Cable	N/A	N/A	N/A	N/A	Refer to Lighting Plans for Approximate Locations.	**This Low Voltage Cable system is Outdoor Rated to supply Type E8 fully cut-off luminaires anywhere along its length**
E8		6th Floor Exterior Amenities Spaces	Luminaires for Cable system E8 - nominal 1-13/16" Dia. Tube with E8 Zoom Optics downlight Dark-Sky Compliant	Bruck Skyline Series	Black	10w	25 Lm	2700K / 90+	ELV 3-wire + Triac	Refer to Lighting Plans for Approximate Locations.	**Only one fixture type with 100% cut-off is to be used. With deep regressed LED in the stem of the fixture (above the zoom lens) this fixture is full cut-off and Dark Sky Compliant**
E10		6th Floor Terrace Pool Area	14' H x 4" Diameter Pole and Four-Fixtures with Anti-Glare Visors, Honeycomb Louvers, and High/Low switchable Driver Pole height to be 14' from the finished Terrace Deck	Selux Olivio Medio LED Series: OLML-(2) ASM + (2) F40 - F4-2G350-30-BZ-UNV-DS-HL50	Bronze	3 x 15w	1325 Lm Each	3000K / 80+	High/Low 50% Switching	Refer to Landscape plans and Lighting Plans for Approximate Locations.	**The original fixture has been substituted with a luminaire type from a different manufacturer which enables compliance with Dark-Sky cut-off restrictions and MGO 29.36 requirements with Zero Tilt option and Honeycomb Hexcell Louvers fully restricting the emitted light**
E11		Low Level Landscape Bollard within Planters for Ground Cover Accent	22-7/8"H x 11-3/8"W x 3-3/8"D Single Sided Landscape Bollard	Sistemalux: LOOK Series: 27731-S7261-W-UNV-20-ND	Bronze	24w	936 Lm	3000K / 90+	Non-Dimmed	Refer to Landscape plans and Lighting Plans for Approximate Locations.	**All light emitted is completely concealed and is totally directed onto the Terrace Deck on which it is mounted**
E12		Landscape Tree Up light	3" Diameter Trim with Stainless Steel Faceplate In-Grade Symmetric 42 Degree Comfort Louvered Up light	iGuzzini Light Up Orbit Series: ILUF80-MO-830-WH	Stainless Steel	5.5w	302 Lm with Louver	3000K / 90+	Non-Dimmed	Refer to Landscape plans and Lighting Plans for Approximate Locations.	**Lamp output of 302 Lumens is in compliance with MGO 29.36**
E13		Landscape Exterior Handrail Integral Lighting	1.9" Diameter Stainless Steel Handrail in Various Mounting Conditions to Be Specified During CD Phase	Cole Lighting: LR5P-SS/1.9-INT-RE 120-DIM	Stainless Steel	2.5w/ft	205 Lm/ft	3000K/80	0 - 10V	Refer to Landscape plans and Lighting Plans for Approximate Locations.	**All LED light sources are completely concealed and output directed onto stairs near which the handrails reside**
E14	Deleted from Project										**Complies with MGO 29.36**
E15		Landscape Retaining Wall Recessed Step Light	2.52"H x 11.97"W x 2.05"D Linear Step light with Louver	Targetti: ZEDGE Shielded View: ZEL-41-FW-SG-L2-30- with 1E3447 (Installation Box)	Sandstone Gray	9w	1250 Lm	3000K / 90+	Non-Dimmed	Refer to Landscape plans and Lighting Plans for Approximate Locations.	**All light emitted is completely concealed, Cut-off louvered, and totally directed onto the Terrace Deck surface**
E16	Deleted from Project										**Delete from project**
E17		Decorative Landscape Bollard with Textured Pattern	9.4" Square x 40"H Decorative Bollard with 134 Degree Optics to Disperse Custom Patterned Laser cut side panel Shadows in Four Directions	Ligman Lighting USA: UVA-10021-21W-T5-W30-06-120/277v - DIM -134B	Bronze	21w	570 Lm (Source) Pattern will block approx. 50%	3000 / 80	0 - 10 v	Refer to Landscape plans and Lighting Plans for Approximate Locations.	**The original custom fixture has been substituted with a UL Listed type from a different manufacturer which enables compliance with Dark Sky and MGO 29.36 requirements**
E18		Pole and Luminaire	Streel Lighting 16' Pole and Luminaire	Landscape Forms LEO Series: LE330-T4-LO-CLR-30K-UV1-4A-NMS with a 16' Pole	Bronze	37w	2787 Lm	2700K / 90+	Non-Dimmed	Refer to Landscape plans and Lighting Plans for Approximate Locations.	**All light emitted is completely concealed and is totally directed onto the grade surface, Dark Sky Compliant**

4 W/ft (3000K, CRI 80+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	1,423	38,457
10°x10°	1,376	30,004
10°x30°	1,335	8,487
10°x60°	1,327	4,526
10°x90°	1,330	2,372
30°x10°	1,338	8,461
30°x30°	1,643	3,793
30°x60°	1,593	2,400
30°x90°	1,605	1,734
60°x10°	1,326	5,252
60°x60°	1,609	1,189
60°x90°	1,599	1,432
90°x90°	1,572	972
W (120°)	803	394
WW	1,417	6,875

Based on 3000K, CRI 80+, 4 ft, NO control configuration.

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LIGHTING ERGONOMICS

PRELIMINARY
NOT FOR CONSTRUCTION

929 East Washington Avenue Hotel

929 E. Washington Ave.
Madison, WI

2016.36.02.4

DATE	ISSUANCE/REVISIONS
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09/22/2025	UDC / MINOR ALT SUBMITTAL

LUMINAIRE SCHEDULE
EXTERIOR LIGHTING

LD131

16-11-2023 11:46:29

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929 East Washington Avenue Hotel

929 E. Washington Ave.
Madison, WI
2016.36.02.4

09/22/2025 URBAN DESIGN COMMISSION SUBMITTAL

COVER DRAWING
929 East Washington Avenue Hotel - 2016.36.02.4
09/22/2025

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Project site along E. Washington Ave. (Phase 1 Parking Ramp is visible in background)

Project site viewed from Phase 1 Parking Ramp looking toward Hotel Indigo

Hotel Indigo at E. Washington Ave. and S. Paterson St.

SITE CONTEXT IMAGES

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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Project site with Phase 1 Parking Ramp, Madison Credit Union, and Hotel Indigo in distance

Project site from S. Brearly St.

Hotel Indigo viewed from Phase 1 Parking Ramp

SITE CONTEXT IMAGES

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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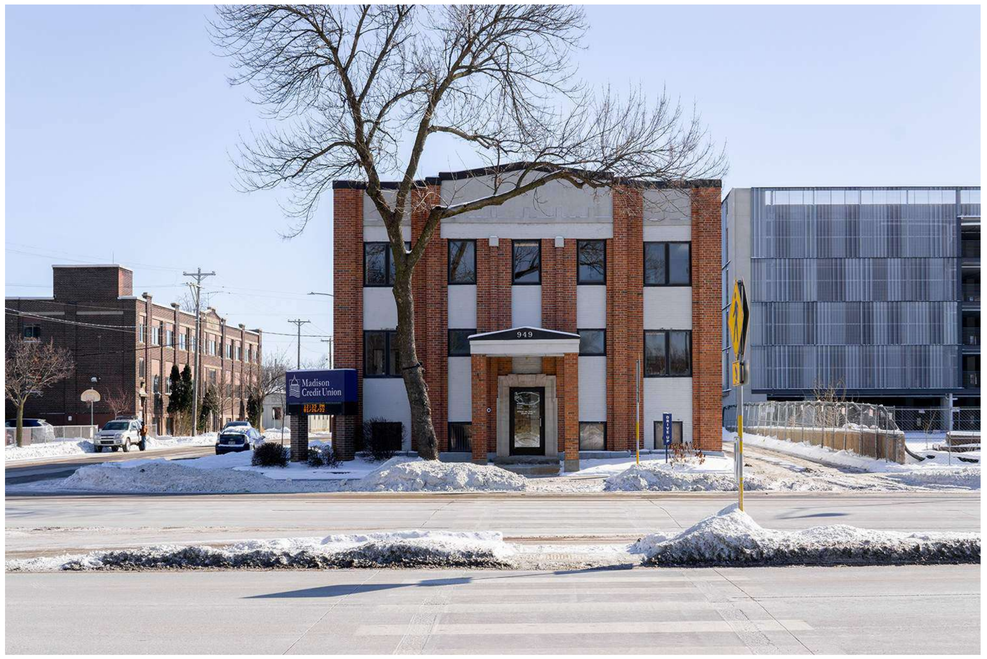
WHEDA Building at E. Main St. and S. Paterson St.

WHEDA Building and Phase 1 Parking Ramp along E. Main St.



Madison Credit Union at E. Washington Ave. and S. Brearly St.

Wisconsin Telephone Company Building at E. Main St. and S. Brearly St.

SITE CONTEXT IMAGES

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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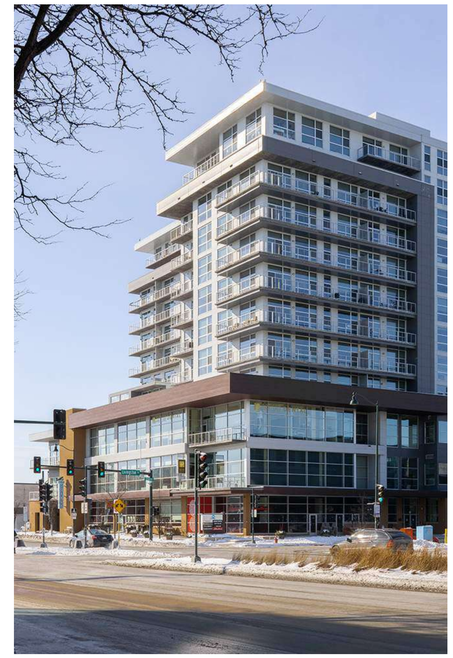
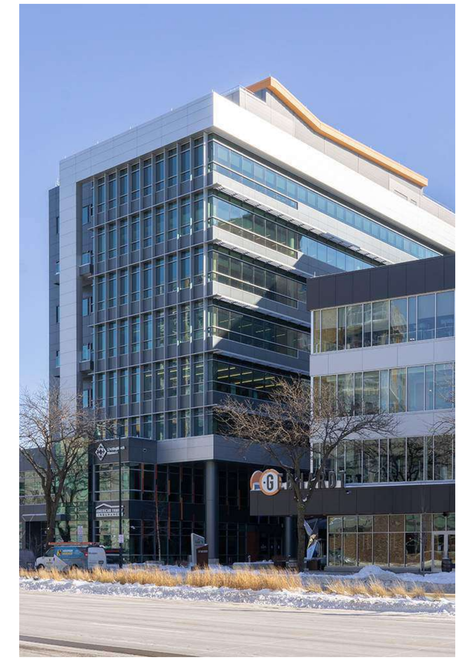
Lyric Apartments and side of Madison Credit Union

E. Washington Ave. toward Galaxie Apartments

The Sylvee from the South Livingston Street Garage



The Constellation on E. Washington Ave.



The Spark on E. Washington Ave.

SITE CONTEXT IMAGES

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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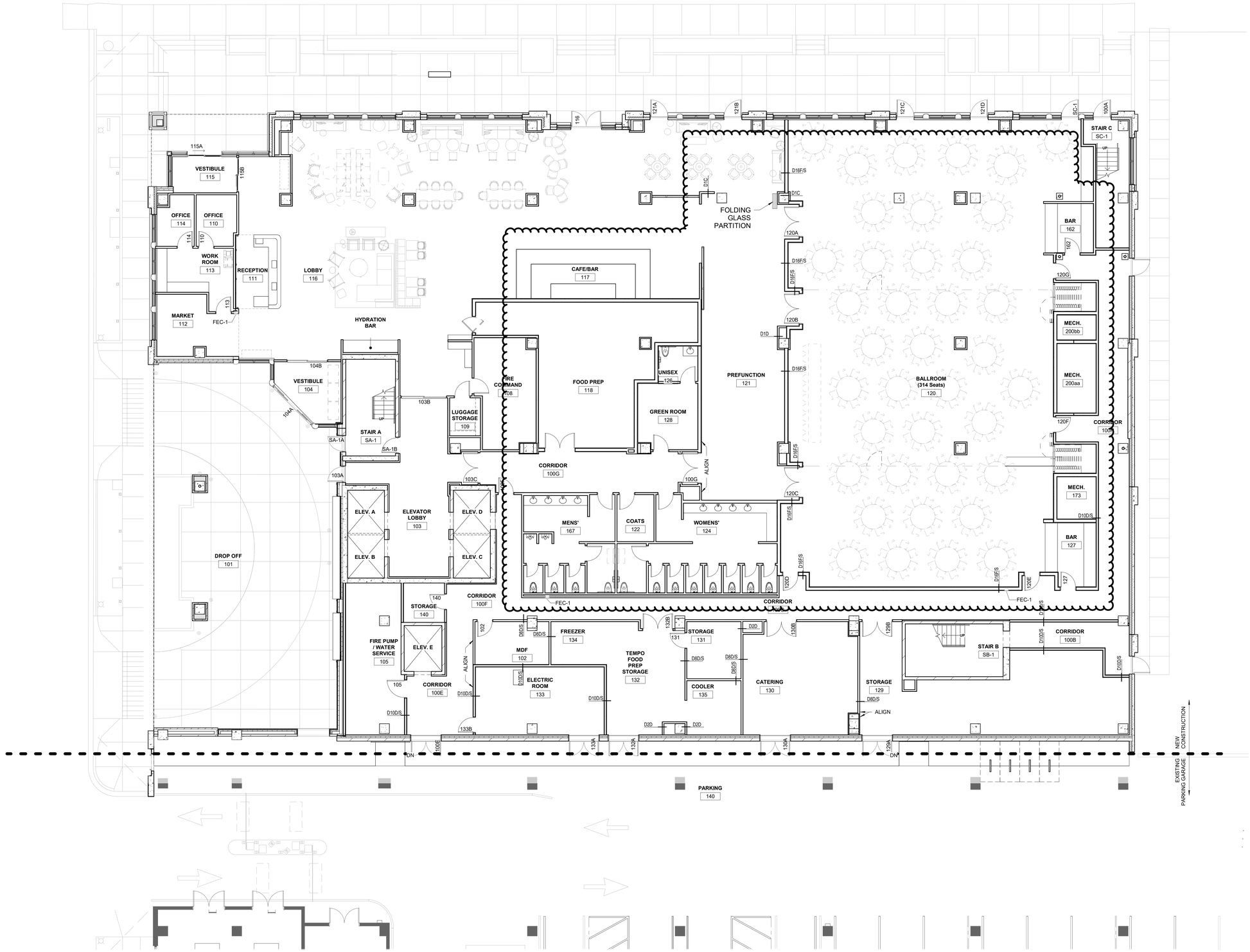

FIRST FLOOR PLAN

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

0' 4' 8' 16'

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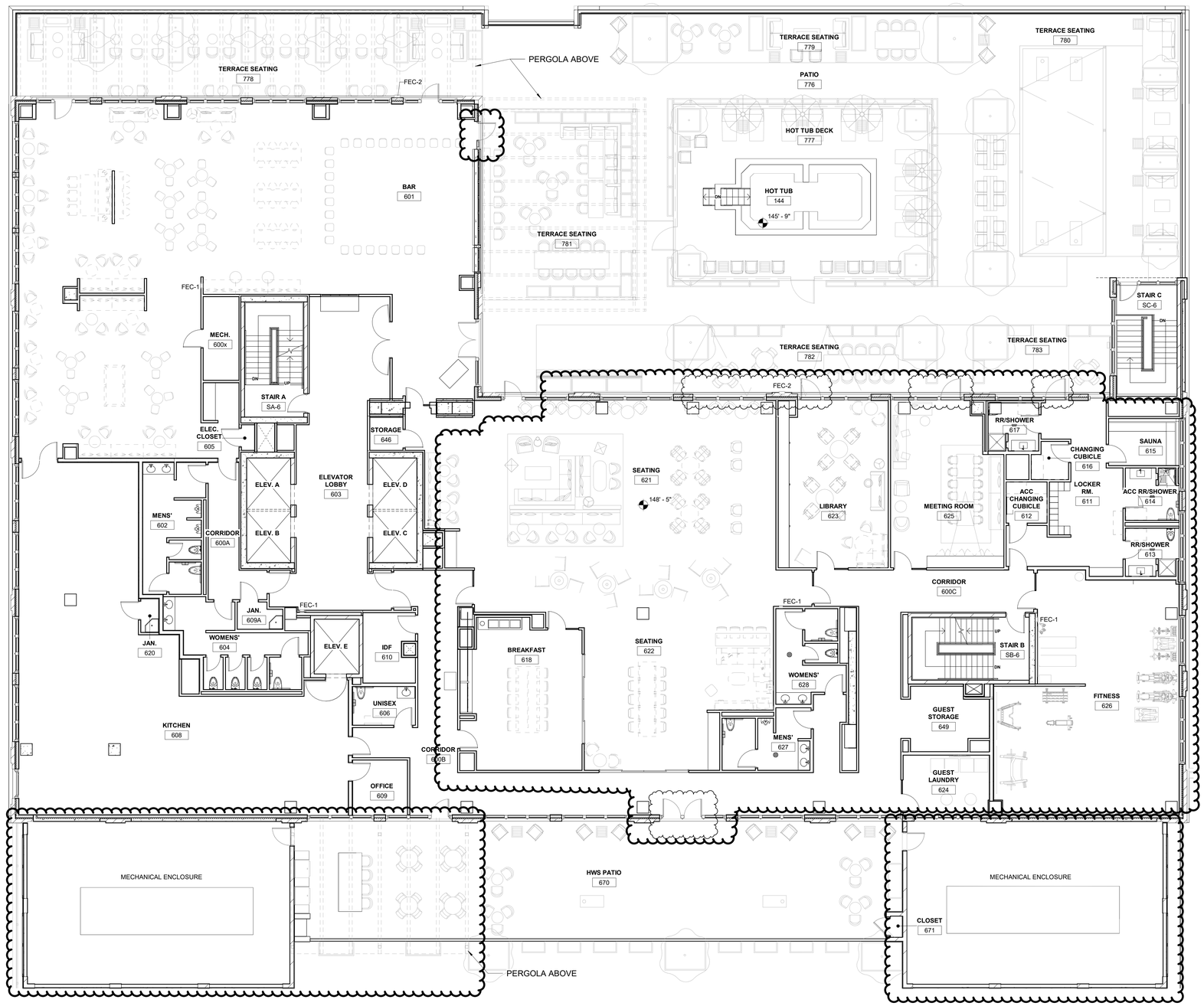

SIXTH FLOOR PLAN

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

0' 4' 8' 16'

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ELEVATION KEY NOTES

1 BRICK VENEER
1A = BRICK TYPE 1 - LIGHT BRICK
1B = BRICK TYPE 2 - BLACK BRICK
2 ALUMINUM CURTAINWALL SYSTEM, BLACK ANODIZED
3 PRECAST CONCRETE BAND, BLACK
4 FORMED (RIBBED) PRECAST CONCRETE, BLACK
5 PRECAST CONCRETE CHANNEL, BLACK
6 ALUMINUM WINDOW SYSTEM, BLACK ANODIZED
7 ALUMINUM OR STEEL TRELLIS, PAINTED BLACK
8 ALUMINUM STOREFRONT SYSTEM, BLACK ANODIZED
9 CAST CONCRETE WITH BOARD FORMED LINER
10 STEEL GUARDRAIL, PAINTED BLACK
11 STEEL TURNBUCKLE AND CROSS-BRACING
12 METAL CORNICE, MATTE BLACK
13 PAINTED STEEL CHANNEL COLUMN, BLACK
14 EXISTING PARKING STRUCTURE
15 METAL PANELS SALVAGED FROM PARKING STRUCTURE
16 GRANITE STONE BASE
17 GLASS AT GARAGE LEVELS TO BE TRANSLUCENT
18 METAL LOUVER PANELS, BLACK
19 PRECAST CONCRETE PANEL, BLACK
20 STEEL FENCE WITH GATE, PAINTED BLACK
21 STUCCO SYSTEM, SMOOTH FINISH
22 TILE
23 WOOD BENCH
24 METAL TRIM, PAINTED
25 ALUMINUM STOREFRONT DOOR
26 ALUMINUM SLIDING DOORS
27 TERRACE DOOR
28 OPERABLE GLASS DOOR
29 COMPOSITE METAL PANEL, BLACK
30 METAL PANEL INFILL, BLACK
31 CONCEALED FASTENER, RIBBED METAL PANEL, BLACK

NORTH BUILDING ELEVATION

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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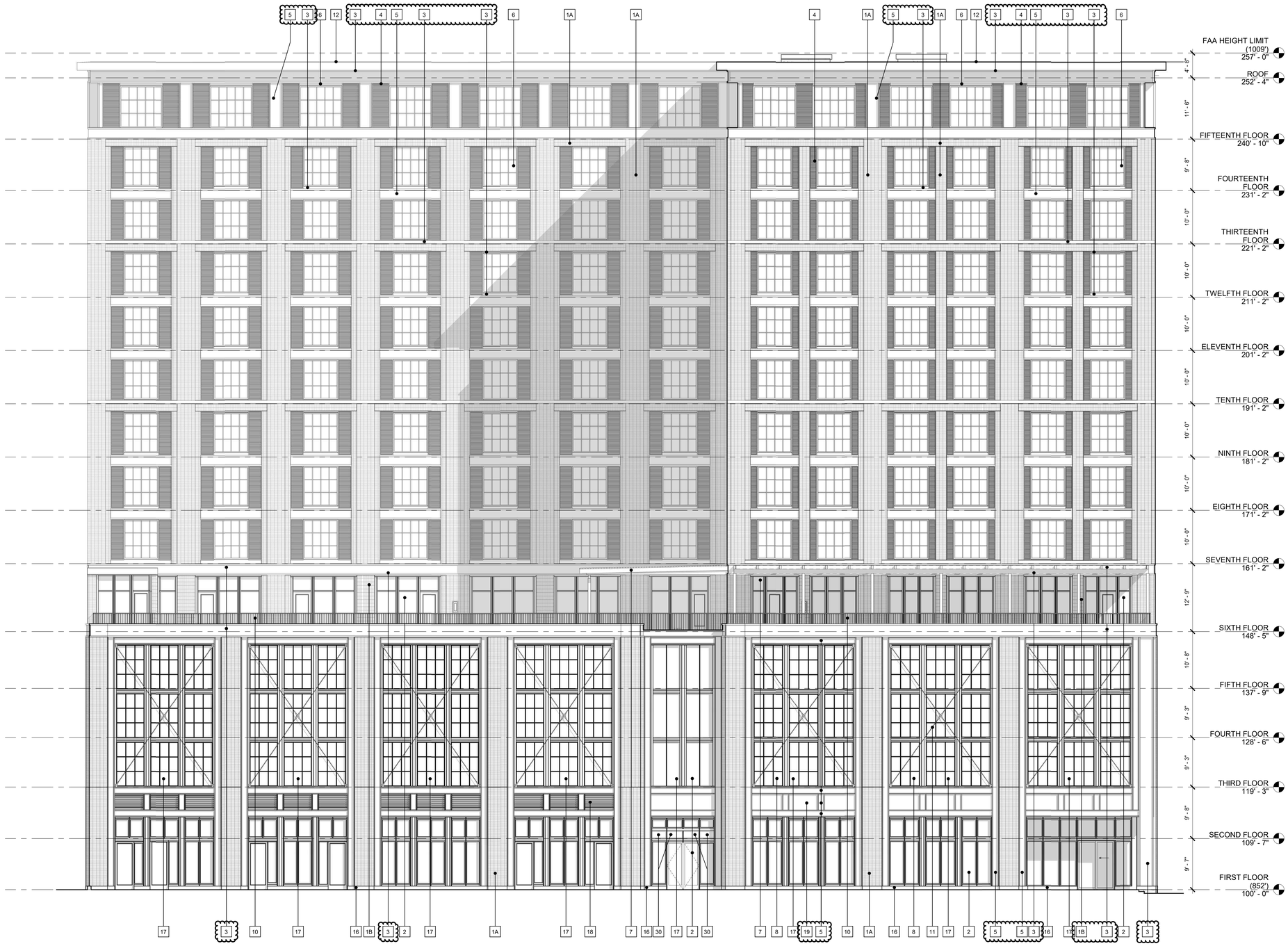

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NORTH BUILDING ELEVATION

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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EAST BUILDING ELEVATIONS

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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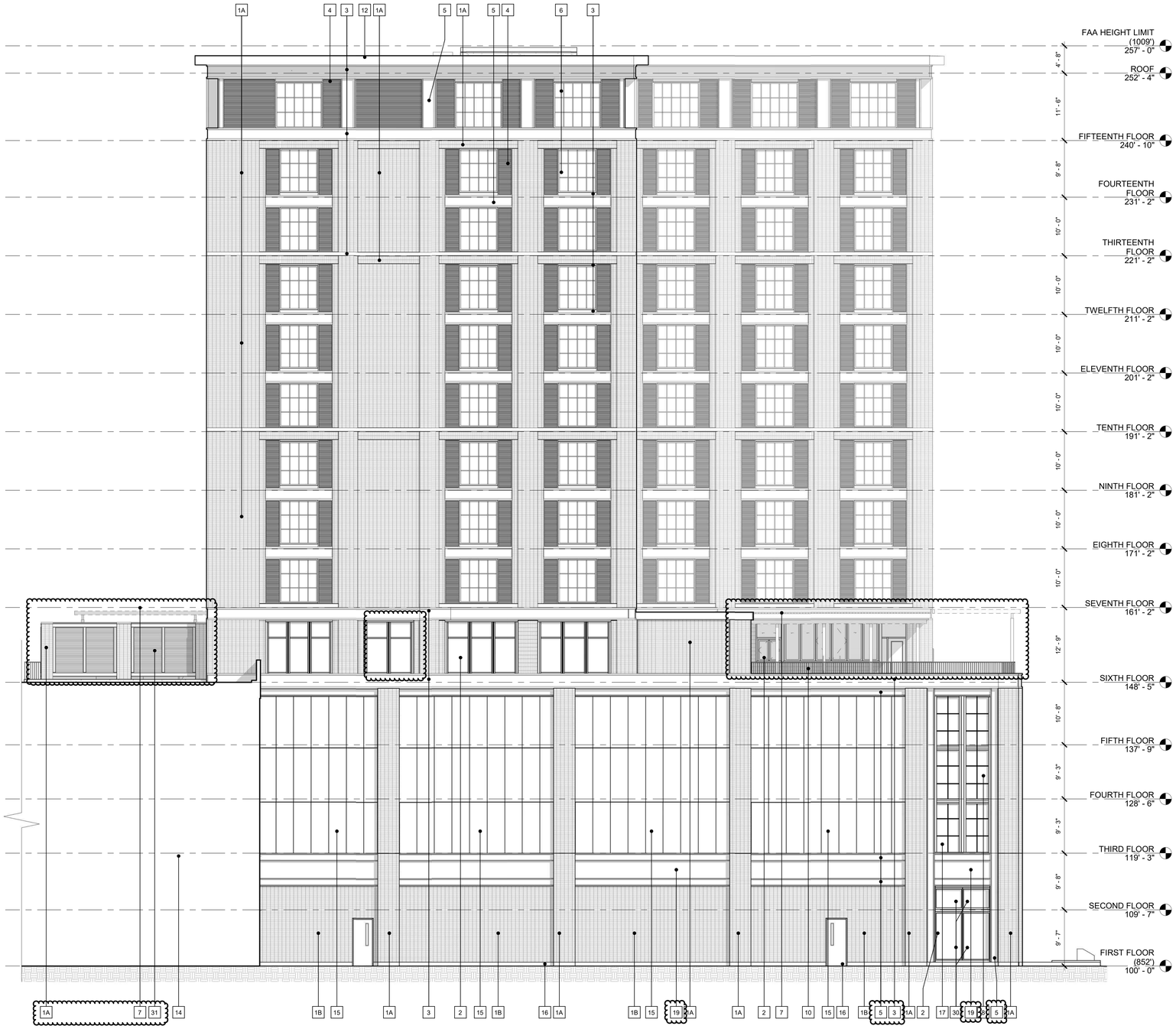

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10 STEEL GUARDRAIL, PAINTED BLACK
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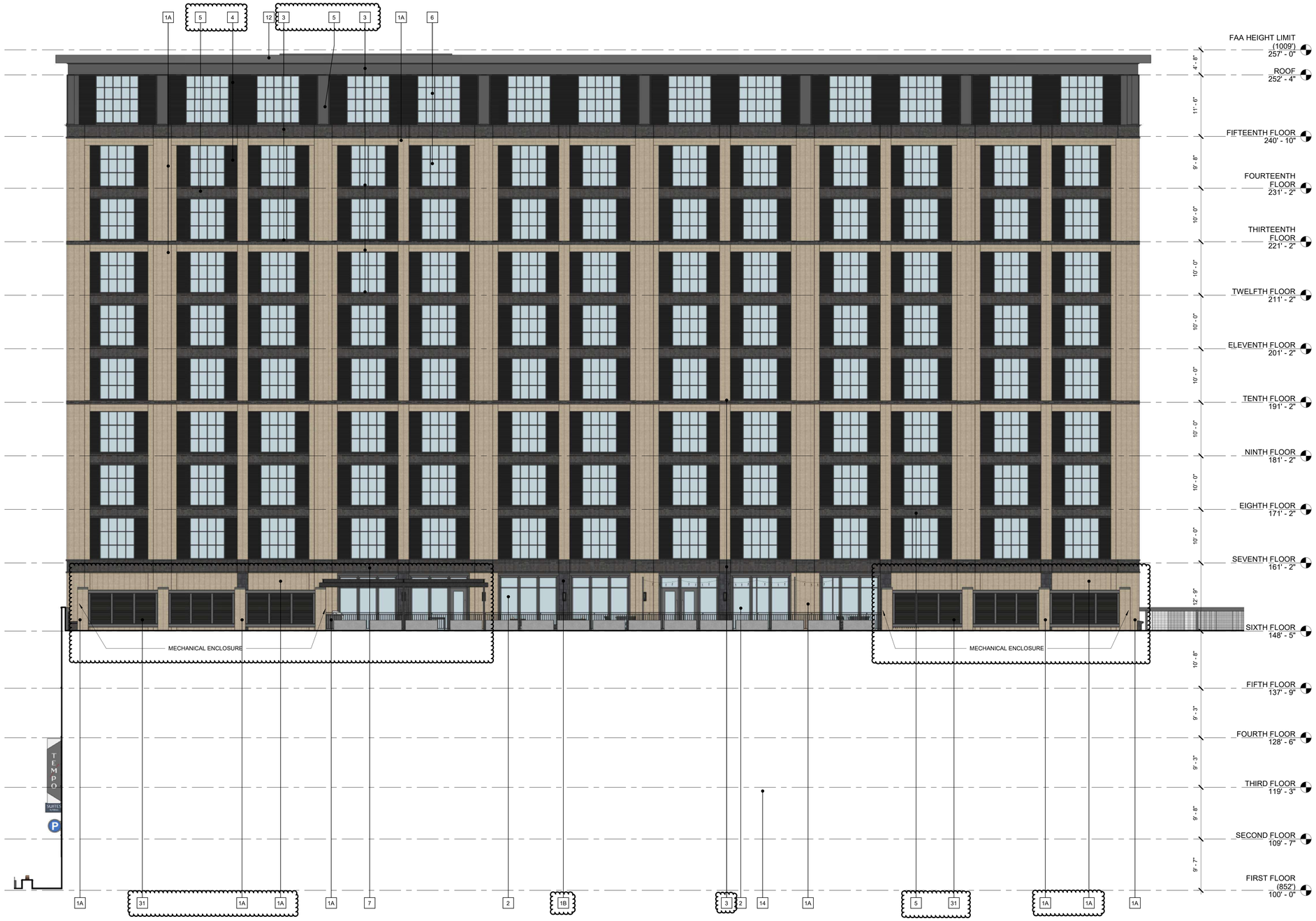
27 TERRACE DOOR
28 OPERABLE GLASS DOOR
29 COMPOSITE METAL PANEL, BLACK
30 METAL PANEL INFILL, BLACK
31 CONCEALED FASTENER, RIBBED METAL PANEL, BLACK

EAST BUILDING ELEVATIONS

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

Potter Lawson
Success by Design



ELEVATION KEY NOTES

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SOUTH BUILDING ELEVATIONS

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

Potter Lawson
Success by Design

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7 ALUMINUM OR STEEL TRELLIS, PAINTED BLACK
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9 CAST CONCRETE WITH BOARD FORMED LINER
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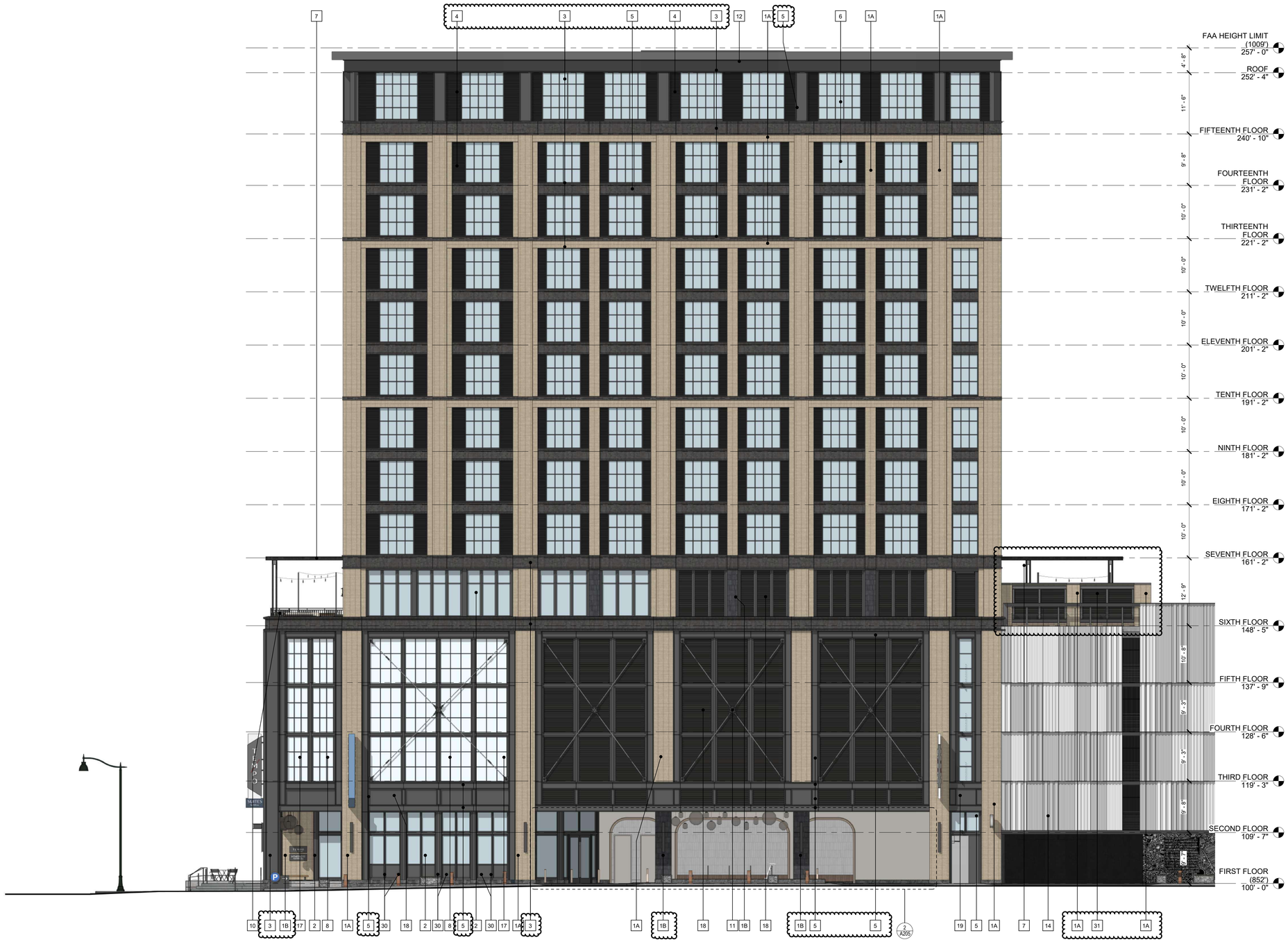
SOUTH BUILDING ELEVATIONS

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

Potter Lawson
Success by Design



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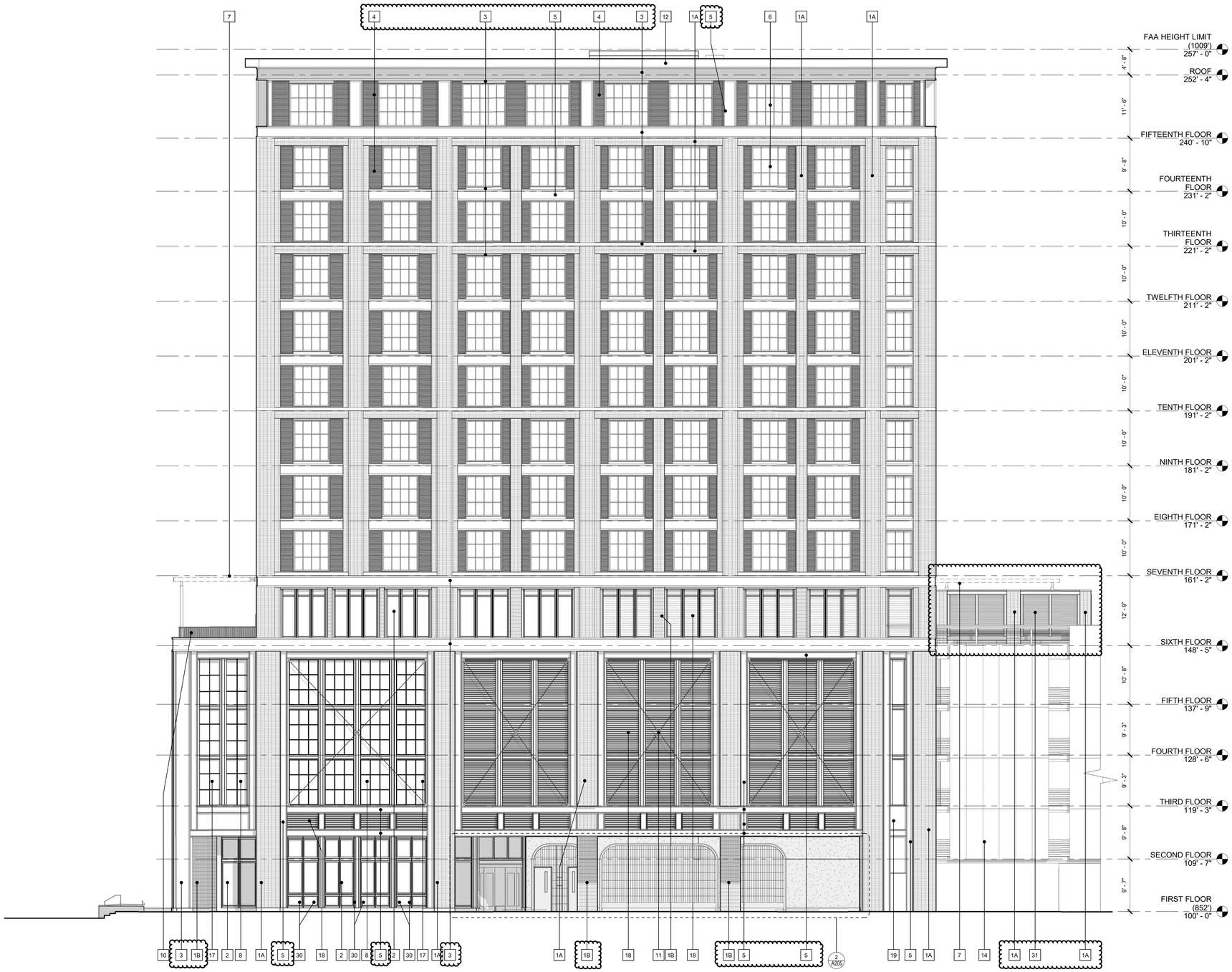
WEST BUILDING ELEVATIONS

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

Potter Lawson
Success by Design



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WEST BUILDING ELEVATIONS

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

Potter Lawson
Success by Design

APPROVED - GROUND-LEVEL VIEW FROM BREARLY AND EAST WASHINGTON

PROPOSED - GROUND-LEVEL VIEW FROM BREARLY AND EAST WASHINGTON

APPROVED - GROUND-LEVEL VIEW FROM DIRECTLY ACROSS EAST WASHINGTON

PROPOSED - GROUND-LEVEL VIEW FROM DIRECTLY ACROSS EAST WASHINGTON

EXTERIOR RENDERINGS

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

EXTERIOR DESIGN PROGRESSION:

1. BRICK TYPE 1 HAS CHANGED FROM THE SUMMIT BRICK, COLOR: OLD CHICAGO TO METRO BRICK, COLOR: COMMONS.
2. THE PAINTED STEEL CHANNELS AND BEAMS ON THE HOTEL AND PARKING FLOORS 1-5 ARE PROPOSED AS PAINTED PRECAST PANELS.
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5. THE ACCENT AREAS OF FLAT METAL PANELS ON THE SIXTH FLOOR ARE PROPOSED TO BE BRICK TYPE 2, ENDICOTT MANGANESE IRON SPOT.
6. SIXTH FLOOR OUTDOOR TERRACE PLAN REVISIONS. ADDED TRANSLUCENT GLAZING TO EAST ROOF CANOPY TRELLIS.
7. NEW GLAZED OPENING FOR MORE NATURAL LIGHT INTO HOTEL FITNESS CENTER.
8. TWO ROOFTOP MECHANICAL ENCLOSURES WERE ADDED. THE ENCLOSURES ARE COMPOSED OF BRICK CLAD PIERS AND PAINTED RIBBED METAL PANELS.
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PRELIMINARY RENDERINGS FOR ILLUSTRATIVE PURPOSES ONLY

Potter Lawson
Success by Design

APPROVED - GROUND-LEVEL VIEW FROM PATERSON AND EAST WASHINGTON

PROPOSED - GROUND-LEVEL VIEW FROM PATERSON AND EAST WASHINGTON

APPROVED - DISTANT GROUND-LEVEL VIEW FROM PATERSON AND EAST WASHINGTON

PROPOSED - DISTANT GROUND-LEVEL VIEW FROM PATERSON AND EAST WASHINGTON

EXTERIOR RENDERINGS

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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PRELIMINARY RENDERINGS FOR ILLUSTRATIVE PURPOSES ONLY

Potter Lawson
Success by Design

APPROVED - GROUND-LEVEL VIEW FROM BREARLY AND EAST WASHINGTON

PROPOSED - GROUND-LEVEL VIEW FROM BREARLY AND EAST WASHINGTON

APPROVED - AERIAL VIEW FROM BREARLY AND EAST WASHINGTON

PROPOSED - AERIAL VIEW FROM BREARLY AND EAST WASHINGTON

EXTERIOR RENDERINGS - EVENING

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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PRELIMINARY RENDERINGS FOR ILLUSTRATIVE PURPOSES ONLY

Potter Lawson
Success by Design

APPROVED - AERIAL VIEW FROM BREARLY AND EAST WASHINGTON

PROPOSED - AERIAL VIEW FROM BREARLY AND EAST WASHINGTON

APPROVED - AERIAL VIEW FROM EAST WASHINGTON

PROPOSED - AERIAL VIEW FROM EAST WASHINGTON

EXTERIOR RENDERINGS - EVENING

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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PRELIMINARY RENDERINGS FOR ILLUSTRATIVE PURPOSES ONLY

Potter Lawson
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APPROVED - VIEW FROM INTERNAL COURTYARD TOWARDS PARKING GARAGE

PROPOSED - VIEW FROM INTERNAL COURTYARD TOWARDS PARKING GARAGE

APPROVED - VIEW OF HOTEL DROP-OFF AREA FROM CORNER OF E. WASHINGTON

PROPOSED - VIEW OF HOTEL DROP-OFF AREA FROM CORNER OF E. WASHINGTON

EXTERIOR RENDERINGS - PEDESTRIAN CONNECTION

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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PRELIMINARY RENDERINGS FOR ILLUSTRATIVE PURPOSES ONLY

Potter Lawson
Success by Design

PROPOSED - VIEW FROM SOUTHERN SIXTH FLOOR ROOF TERRACE

EXTERIOR RENDERINGS - ROOF TERRACE

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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PRELIMINARY RENDERINGS FOR ILLUSTRATIVE PURPOSES ONLY

Potter Lawson

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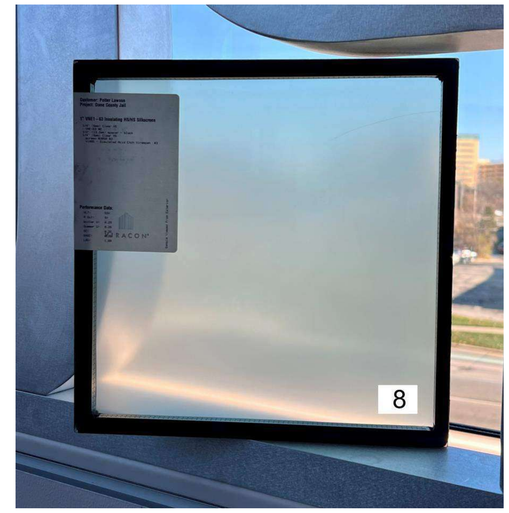
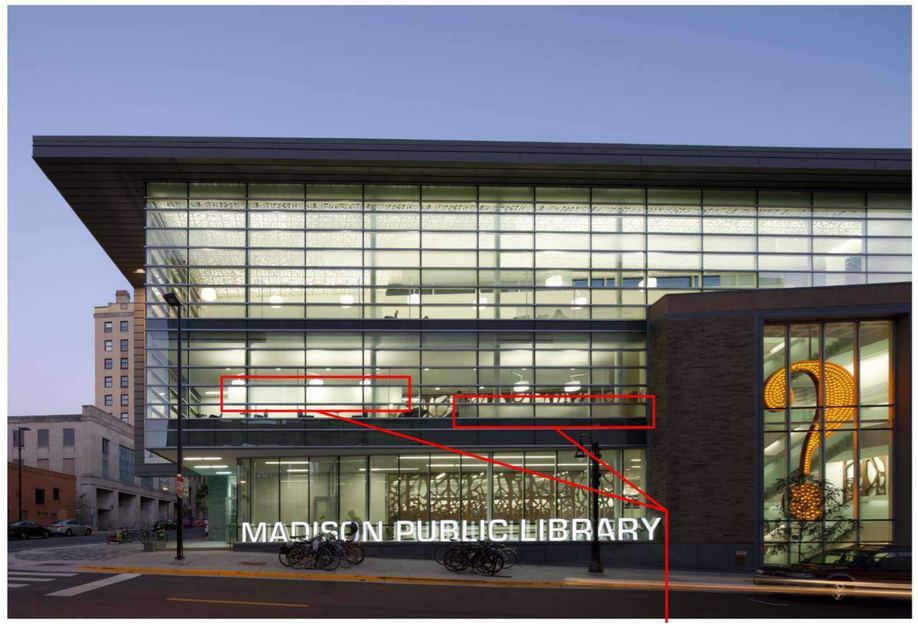
APPROVED - EXTERIOR MATERIALS

PROPOSED - EXTERIOR MATERIALS

1 Black Precast Panels
2 Black Granite Stone Base
3 Light Brick - MetroBrick Commons
4 Black Brick - Endicott Manganese Ironspot
5 Aluminum Window Frames - Black Anodized
6 Painted Metal Panels and Louvers - Matte Black
7 Painted Black
8 Translucent Glass - Parking Floors



PROPOSED - Brick, MetroBrick - Commons



Example of translucent glazing
lit up from behind at night.

BUILDING MATERIALS

929 East Washington Avenue Hotel - 2016.36.02.4

09/22/2025

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VESTA
AT7950

WALL

PROJECT

E1

AT7950-WH
White

AT7950-BK
Black

AT7950-BN
Brushed Nickel

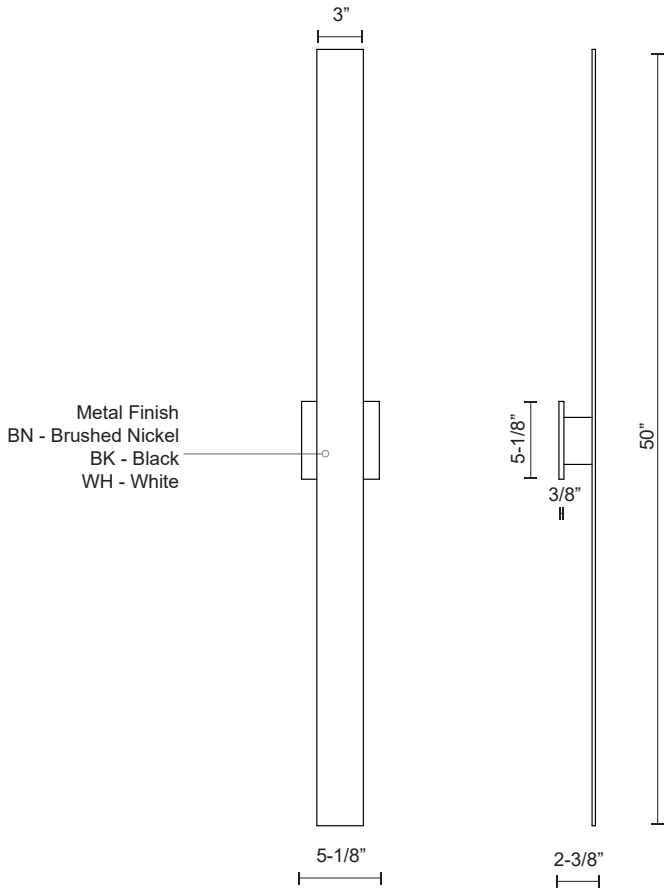
DESCRIPTION

Timeless simplicity with versatile purpose is offered with this wall sconce that measures 50 inches in length. Vesta mounts horizontally or vertically from a matching aluminum square affixed in the middle of the rectangular beam of formed aluminum. The concealed LEDs illuminate the mounting plane creating pool of light on the wall. Vesta is available in three different finishes: black or white powder coating and brushed nickel.

SPECIFICATION DETAILS

Fixture Dimensions	W3" x H50" x E2-3/8"
Light Source	AC LED Module
Wattage	58W
Total Lumens	4800lm
Delivered Lumens	BK-3026lm; BN-3069lm; WH-3226lm;
Voltage	120V
Color Temperature	3000K
CRI (Ra)	90CRI
Optional Color Temps	2700K - 5000K Available, Minimum Order Quantities Apply
LED Rated Life	50,000 hours
Dimming	100% - 10%, ELV Dimmer (Not Included)
Glass Details	Frosted Glass
ADA Compliant	Yes
Location	Wet
Illumination Direction	Backlit
Mounting Style	All Orientation; Wall;
Canopy Dimensions	W5-1/8" x H5-1/8" x E3/8"
Paint Finish	BK02; BN02; WH02;

* For custom options, consult factory for details.
* For warranty information, please visit www.kuzcolighting.com/warranty



KUZCO

CANADA: 19054 28TH AVENUE - SURREY, BC V3Z 6M3
USA: 3035 E. LONE MOUNTAIN ROAD - LAS VEGAS, NV 89081

WWW.KUZCOLIGHTING.COM

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COMMENT

Intertek

SAVILE GRAND ROUND SCONCE

Starting at $1,795 Member / $2,395 Regular

In our Savile collection, renowned San Francisco designer Jonathan Browning has created a masterful study of solid and void. A monumental block of crystal is carved with a concave channel to hold an Edison bulb, and set in a frame of solid brass. The crystal reveals its solidity when illuminated, refracting and reflecting the bulb within, but takes on a weightless transparency when dark.

SHOP THE ENTIRE COLLECTION

Finish Options

Lacquered Burnished Brass

Weathered Zinc

Bronze

VIEW IN-STOCK OPTIONS

DETAILS

- Polished Chrome, Lacquered Burnished Brass and Bronze finishes are handcrafted of sand-cast brass and K9 glass; Weathered Zinc finish is handcrafted of aluminum and K9 glass
- K9 glass is a type of crystal used to make optical lenses and prisms
- Rated for one 5W max. E26-base bulb
- Bulb included
- Dimmer switch compatible
- Mounts vertically
- 110-120V manufactured to US standards for US and Canadian markets
- Certified to Wet UL electrical standard: suitable for use indoors or outdoors, including areas that receive direct contact with rain, snow or excessive moisture
- ADA compliant (not more than 4"D when installed)
- Hardwire

E2

BULBRITE®
turn life on

E2
lamp

5W LED T9 LONG 2700K FILAMENT FULLY COMPATIBLE DIMMING
Item #776865
Ordering Code LED5T9L/27K/FIL/3
UPC 739698768656

- Long life LEDs for lasting vintage appeal - 15
- Clear finish for a traditional look with warm 2700K LED filaments
- Fully compatible on most dimmer types
- Ideal for decorative lighting in homes and commercial areas
- Medium base for use in sconces
- UL rated for wet locations

TECHNICAL SPECIFICATIONS

Item #	Watts	Bulb Type	Base	Volts	Finish/Description	Beam Angle (°)	Color Temperature (CCT)
776865	5	T9 Long	E26	120	Clear	N/A	2700K

Color	CRI	Lumens	CBCP	Average Hours	M.O.L. (inches)	M.O.D. (inches)	Incandescent Equivalent
Warm White Light	90	450	N/A	15000	11	1.1	40W

Energy Star	DLC	Title 24 Compliant	Safety Rated	Safety Rating Type	Enclosed Rated	Dimmable	Warranty
N	N	N	UL	WET	Y	Y	5

Order Multiple QTY
10

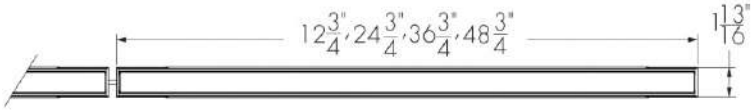
lumenfacade nano

LOGN

E3 WHITE AND STATIC COLORS

Project Name _____ **Qty** _____

Type _____ **Catalog / Part Number** _____



Top view

Front and side views

Photometric Summary (7 W/ft)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	2,173	58,720
10°x10°	2,102	45,812
10°x30°	2,038	12,959
10°x60°	2,026	6,911
10°x90°	2,031	3,622
30°x10°	2,043	12,919
30°x30°	2,986	6,894
30°x60°	2,895	4,362
30°x90°	2,917	3,152
60°x10°	2,025	8,019
60°x60°	2,924	2,162
60°x90°	2,905	2,603
90°x90°	2,856	1,766
W (120°)	1,225	602
WW	2,164	10,498

Based on 4000K, CRI 80+, 4ft [1219mm], NO control. Photometric performance is measured in compliance with IESNA LM-79-08.

Description

The Lumenfacade Nano White and Static Colors is a high-efficiency linear LED luminaire that goes where no facade lighting has gone before. Available in 12 in, 24 in, 36 in or 48 in sections, the Lumenfacade Nano is the right fit for general urban structures, historical buildings and those hardest to reach places. The Lumenfacade Nano packs all the bells and whistles of the larger members of the Lumenfacade family and can be configured with a wide number of options, including: optics for grazing, floodlighting or wall washing; a choice of outputs; various color temperatures or static colors; various mounting options, finishes, accessories and controls. Now with 3G vibration-rating options, this little fixture can really go anywhere.

Features

Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue
Optics	8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 30° x 30°, 30° x 60°, 30° x 90°, 60° x 10°, 60° x 60°, 60° x 90°, 90° x 90°, Wide 120°, Asymmetric Wallwash
Option	Corrosion-resistant Coating for Hostile Environments 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications
Power Consumption	2 W/ft, 4 W/ft, 7 W/ft
Warranty	5-year limited warranty

Performance

Maximum Delivered Output	884 lm (2 W/ft, 48 in fixture, 4000K CRI 80+, 30° x 30°, NO control) 1,767 lm (4 W/ft, 48 in fixture, 4000K CRI 80+, 30° x 30°, NO control) 2,986 lm (7 W/ft, 48 in fixture, 4000K CRI 80+, 30° x 30°, NO control)

lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CA **T** United States 617.307.5700 | Canada 1.877.937.3003 | 514.937.3003 **F** 514.937.6289
info@lumenpulse.com **www.lumenpulse.com** **www.lumenpulse.com/products/2953**

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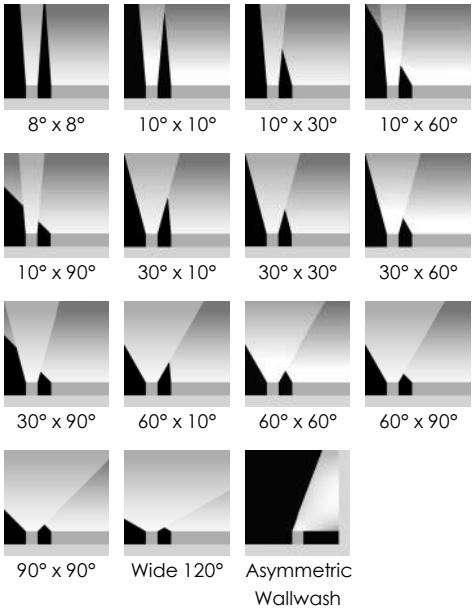
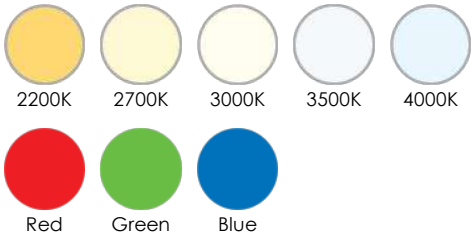
Optics



Color and Color Temperature



Control

ON/OFF UCTL

Ratings

IP66 IK08

Certifications

Maximum Delivered Intensity	20,676 cd at nadir (2 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control) 41,352 cd at nadir (4 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control) 58,720 cd at nadir (7 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control)
Illuminance at Distance	Minimum 1 fc at 144 ft (2 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control) Minimum 1 fc at 203 ft (4 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control) Minimum 1 fc at 242 ft (7 W/ft, 48 in fixture, 4000K CRI 80+, 8° x 8°, NO control)
Color Consistency	3 SDCM (2 SDCM for 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10°, 60° x 10°, W and WW optics)
Color Rendering	CRI 80+ CRI 90+ (27K and 30K color temperatures only)
Lumen Maintenance	L70 >90,000 hrs

Physical

Housing Material	Low copper content extruded aluminum
Lens Material	Clear tempered glass
Hardware Material	Stainless steel
End Cap Material	Machined aluminum
Gasket Material	Silicone
Surface Finish	Electrostatically applied polyester powder coat
Weight	1.4 lbs (12 in) 2.9 lbs (24 in) 4.4 lbs (36 in) 6 lbs (48 in)

Electrical and Control

Voltage	48 VDC
Resolution (DMX/RDM)	Per fixture, 8-bit or 16-bit
Control	On/Off Control, Universal control (compatible with 0-10V, DALI or DMX/RDM systems)

Environmental

Storage Temperature	-40 °F to 185 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-13 °F to 122 °F
Operating Temperature	-40 °F to 122 °F
Ingress Protection Rating	IP66
Impact Resistance Rating	IK08 (IK09 for 48 in fixtures)

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Application Wind Speed	Luminaires were designed based on AASHTO 2013 standard to ensure highest quality and safety. Installation should be validated by a local project engineer to ensure the luminaires are suitable for the wind speed and exposure of the specific application

Accessories (Order Separately)

Cables	Lumenfacade Nano Jumper Cable (LOGNJC), Trunk Power Cable (TKPWR), Trunk Data Cable (TKDMX), Lumenfacade Nano Jumper Cable Joiner (LOGNJC-JOINER)
Control Boxes	Low-Voltage Control Box (LCBX), Low-Voltage Splitter Box (LSBX)
Remote Power Supply	Large Power Supply (LGPSU)
Optical Accessories	Lumenfacade Nano Radial Louver (LOGNRD), Lumenfacade Nano Visor (LOGNVS)
Control Systems	Lumentone™ 2 (LTN2), Pharos® kit (PHAROS)
Diagnostic and Addressing Tools	LumenID (LID)

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Photometric Information

2 W/ft (3000K, CRI 80+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	711	19,229
10°x10°	688	15,002
10°x30°	668	4,244
10°x60°	664	2,264
10°x90°	665	1,187
30°x10°	669	4,231
30°x30°	822	1,897
30°x60°	796	1,201
30°x90°	803	868
60°x10°	663	2,626
60°x60°	804	595
60°x90°	799	716
90°x90°	786	486
W (120°)	401	197
WW	709	3,438

Based on 3000K, CRI 80+, 4 ft, NO control configuration.

4 W/ft (3000K, CRI 80+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	1,423	38,457
10°x10°	1,376	30,004
10°x30°	1,335	8,487
10°x60°	1,327	4,526
10°x90°	1,330	2,372
30°x10°	1,338	8,461
30°x30°	1,643	3,793
30°x60°	1,593	2,400
30°x90°	1,605	1,734
60°x10°	1,326	5,252
60°x60°	1,609	1,189
60°x90°	1,599	1,432
90°x90°	1,572	972
W (120°)	803	394
WW	1,417	6,875

Based on 3000K, CRI 80+, 4 ft, NO control configuration.

7 W/ft (3000K, CRI 80+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	2,021	54,610
10°x10°	1,955	42,605
10°x30°	1,895	12,052
10°x60°	1,884	6,427
10°x90°	1,889	3,368
30°x10°	1,900	12,015
30°x30°	2,777	6,411
30°x60°	2,692	4,057
30°x90°	2,713	2,931
60°x10°	1,883	7,458
60°x60°	2,719	2,011
60°x90°	2,702	2,421
90°x90°	2,656	1,642
W (120°)	1,139	560
WW	2,013	9,763

Based on 3000K, CRI 80+, 4 ft, NO control configuration.

2 W/ft (3000K, CRI 90+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	598	16,152
10°x10°	578	12,602
10°x30°	561	3,565
10°x60°	558	1,901
10°x90°	559	997
30°x10°	562	3,554
30°x30°	691	1,594
30°x60°	669	1,009
30°x90°	674	729
60°x10°	557	2,206
60°x60°	676	500
60°x90°	671	602
90°x90°	660	409
W (120°)	337	166
WW	595	2,888

Based on 3000K, CRI 90+, 4 ft, NO control configuration.

4 W/ft (3000K, CRI 90+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	1,195	32,304
10°x10°	1,156	25,203
10°x30°	1,121	7,129
10°x60°	1,115	3,802
10°x90°	1,117	1,993
30°x10°	1,124	7,107
30°x30°	1,380	3,187
30°x60°	1,338	2,016
30°x90°	1,348	1,457
60°x10°	1,114	4,411
60°x60°	1,351	999
60°x90°	1,343	1,203
90°x90°	1,320	816
W (120°)	674	331
WW	1,191	5,775

Based on 3000K, CRI 90+, 4 ft, NO control configuration.

7 W/ft (3000K, CRI 90+)

	Delivered output (lm)	Intensity (peak cd)
8°x8°	1,698	45,872
10°x10°	1,642	35,788
10°x30°	1,592	10,124
10°x60°	1,583	5,399
10°x90°	1,587	2,830
30°x10°	1,596	10,092
30°x30°	2,333	5,386
30°x60°	2,262	3,408
30°x90°	2,279	2,462
60°x10°	1,582	6,264
60°x60°	2,284	1,689
60°x90°	2,269	2,033
90°x90°	2,231	1380
W (120°)	957	470
WW	1,691	8,201

Based on 3000K, CRI 90+, 4 ft, NO control configuration.

Photometric performance is measured in compliance with IESNA LM 79-08.

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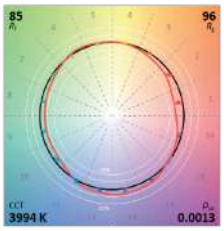
JC - R16

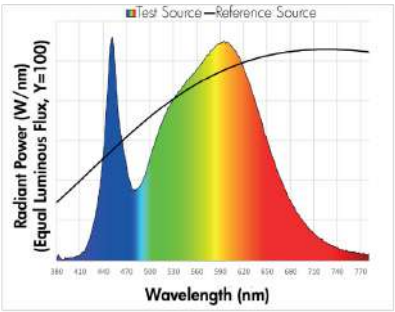
Chromaticity Data

TM-30 - 4000K

CCT	CIE		TM-30	
4000K	R_a	83	85	R_f
	R_9	14	96	R_g



Spectral Power Distribution



Optical Option Installation Details

HFR - Half-Frosted Lens

- Always position frosted side toward the wall.
- Available for 8x8, 10x10, 10x30 or WW optics only.

WW - Asymmetric Wallwash

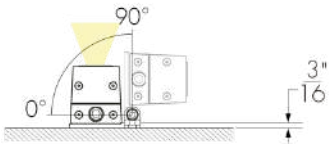
Recommended setback from wall is 1/10 of the wall height.

Example: 2 ft setback for a 20 ft wall.

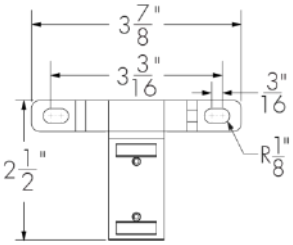
Mounting Options

One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures. See installation instructions for details.

SAMN - Slim Adjustable Mounting Nano

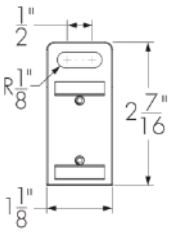


SAMN - Mounting Hole Pattern



UMPN - Fixed Mounting Nano

UMPN - Mounting Hole Pattern



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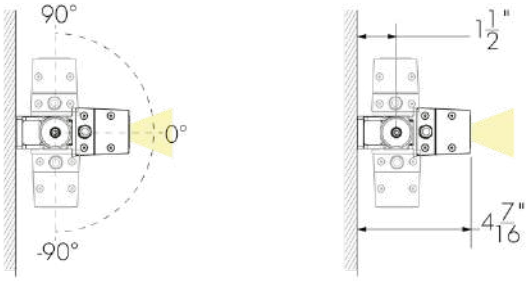
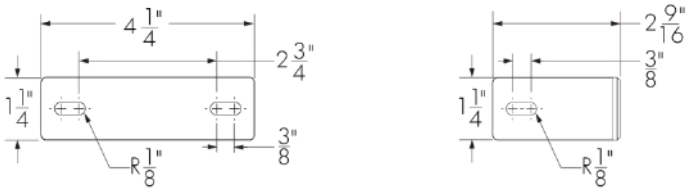
UMASN - Universal Adjustable Mounting Nano



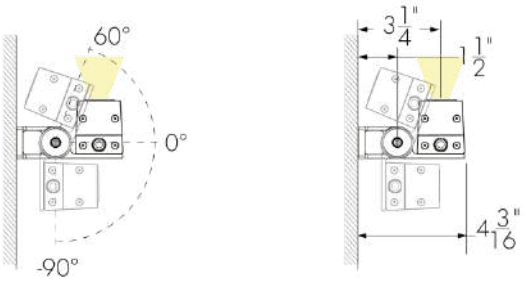
UMASN - Mounting Hole Pattern



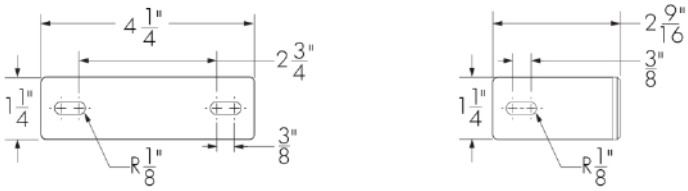
For 1 ft fixtures

For 2 ft, 3 ft and 4 ft fixtures

WAMN2 - Adjustable Extended Arm Mounting Nano 2 in



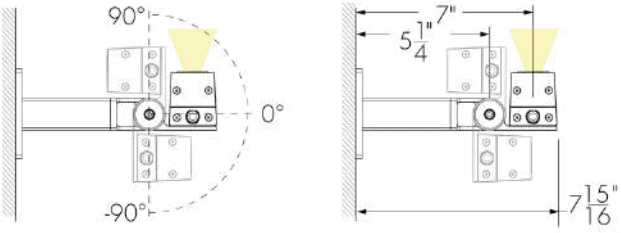
WAMN2 - Mounting Hole Pattern



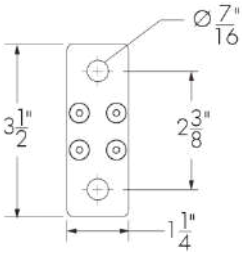
For 1 ft fixtures

For 2 ft, 3 ft and 4 ft fixtures

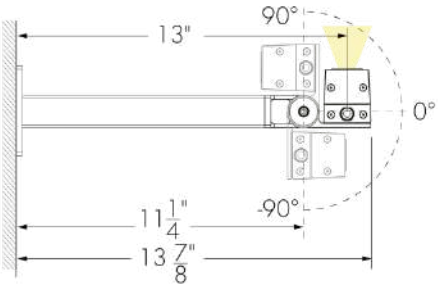
WAMN6 - Adjustable Extended Arm Mounting Nano 6 in



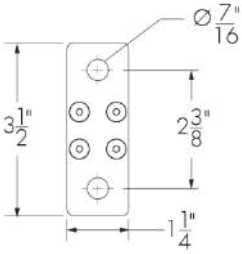
WAMN6 - Mounting Hole Pattern



WAMN12 - Adjustable Extended Arm Mounting Nano 12 in



WAMN12 - Mounting Hole Pattern



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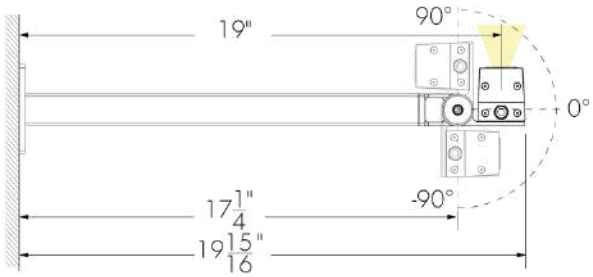
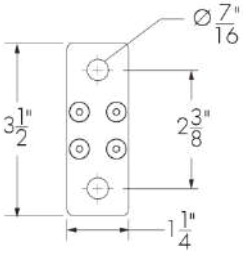
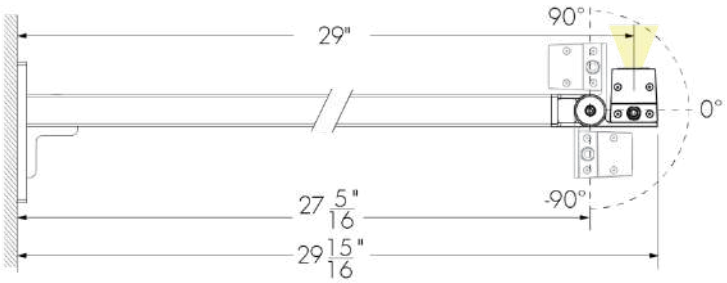
WAMN18 - Adjustable Extended Arm Mounting Nano 18 in



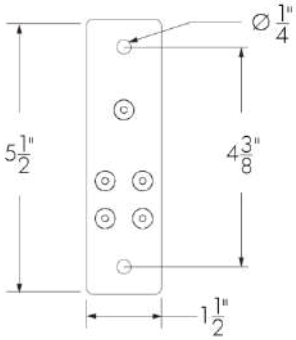
WAMN18 - Mounting Hole Pattern



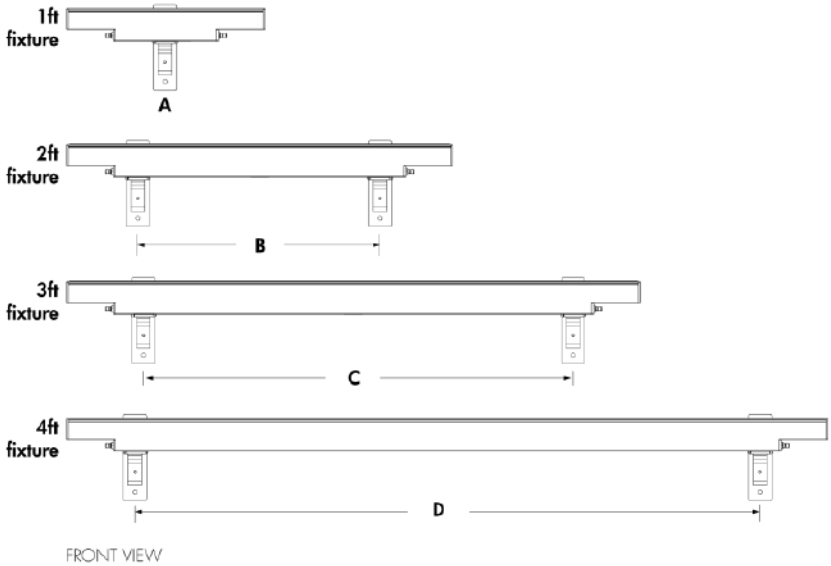
WAMN28 - Adjustable Extended Arm Mounting Nano 28 in



WAMN28 - Mounting Hole Pattern



Mounting Bracket Placement (Minimum and Maximum Distances)



A - Bracket in the center of the fixture
B - Minimum 14 in to maximum 16 in
C - Minimum 26 in to maximum 28 in
D - Minimum 38 1/2 in to maximum 40 1/2 in

LOGN with bracket WAMN28 shown

The mounting bracket(s) to be centered on fixture and as symmetrical as possible. Distances must be respected for all installations.

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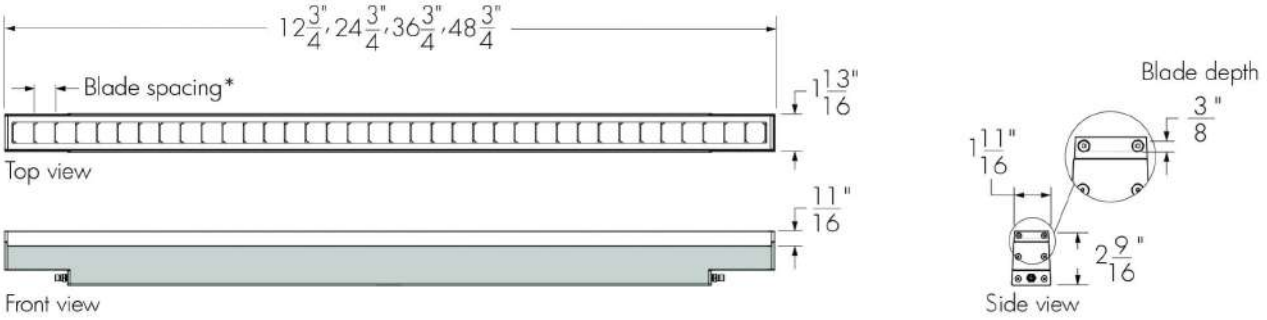
Optical Accessories (Order Separately)

LOGNRD - Radial Louver For Lumenfacade Nano



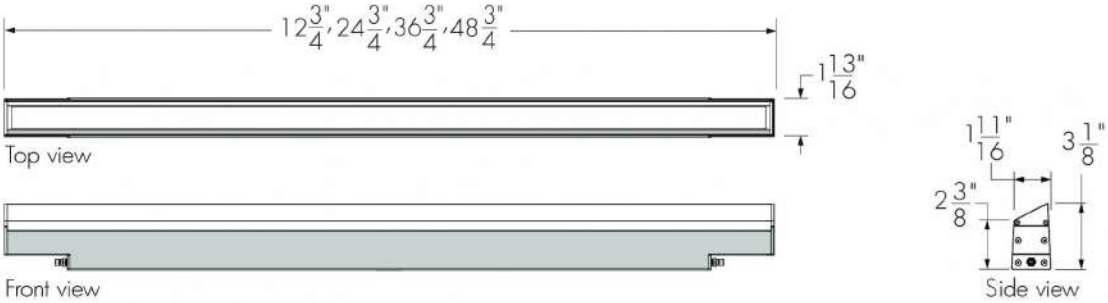
*15/16 in blade spacing for 8° x 8°, 10° x 10°, 10° x 30°, 10° x 60°, 10° x 90°, 30° x 10° and 60° x 10° optics.
*1 15/16 in blade spacing for 30° x 30°, 30° x 60°, 30° x 90°, 60° x 60°, 60° x 90° and 90° x 90° optics.

LOGNRD-**LENGTH-FINISH-OPTIONS**

Please specify:
LENGTH: 12 in, 24 in, 36 in or 48 in; **FINISH**: BK - Black Sandtex®, BRZ - Bronze Sandtex®, SI - Silver Sandtex®, WH - Smooth white or CC - custom color and finish (please specify RAL color); **OPTIONS**: CRC - Corrosion-resistant coating for hostile environments

- The addition of a louver will affect beam distribution. Consult factory for application support.
- Not suitable for wide 120° and asymmetric wallwash optics.
- Maximum one accessory per fixture. Louvers are field installable.

LOGNVS - Visor For Lumenfacade Nano



LOGNVS-**LENGTH-FINISH-OPTIONS**

Please specify:
LENGTH: 12 in, 24 in, 36 in or 48 in; **FINISH**: BK - Black Sandtex®, BRZ - Bronze Sandtex®, SI - Silver Sandtex®, WH - Smooth white or CC - custom color and finish (please specify RAL color); **OPTIONS**: CRC - Corrosion-resistant coating for hostile environments

- The addition of a visor will affect beam distribution. Consult factory for application support.
- Not suitable for wide 120° optic.
- Maximum one accessory per fixture. Visors are field installable.

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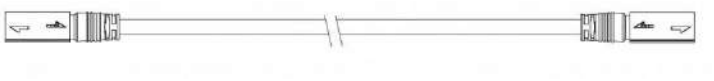
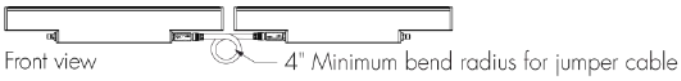
Cables (Order Separately)

LOGNJC - Jumper Cable For Lumenfacade Nano





For minimal spacing between fixtures, use a 1 ft jumper cable.

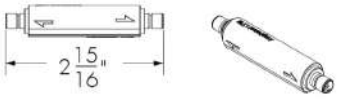
LOGNJC-**CERTIFICATION-LENGTH-CABLE COLOR**

Please specify:
CERTIFICATION: UL or CE; **LENGTH**: 1 ft to 30 ft (available in 1 ft increments) or 50 ft; **CABLE COLOR**: black or white (connectors are the same color as the specified cable color).

- Suitable for dimming/data and non-dimming applications.
- Consult Lumenfacade Nano jumper cable specification sheet for all available cable lengths and additional information.

Joiner (Order Separately)

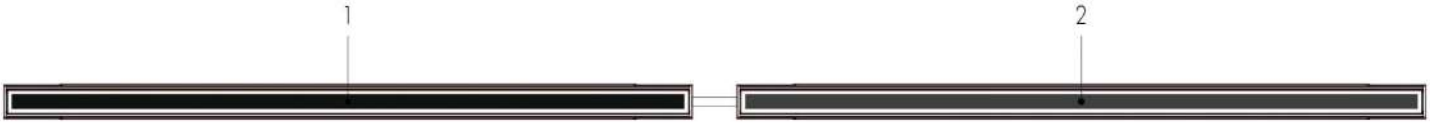
LOGNJC-JOINER - Joiner For Lumenfacade Nano Jumper Cable



- Use joiners to connect and lengthen jumper cables.
- Joiners add voltage drops. Consult factory to confirm impact on run lengh.
- Available in black.

Resolution Details

DMX/RDM Control, Resolution Per Fixture: Each Fixture Is Addressed Independently
DMX Aaddresses:



UCTL control option

- 48 in fixtures shown.
- Applicable for UCTL control only. A DMX/RDM enabled LCBX or LSBX is required for DMX/RDM control

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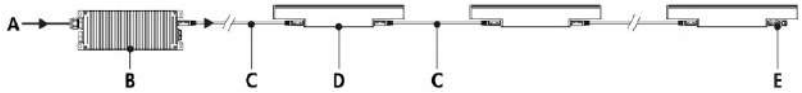
Typical Wiring Diagrams

On/Off Control (NO)

Single Unit - LCBX 60W

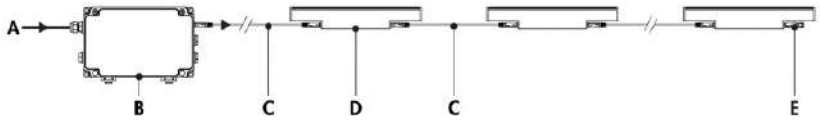
A - Power input (120-277V, wiring by others)
B - LCBX (60W)
C - Jumper cable (LOGNJC)
D - Lumenfacade Nano
E - Terminator cap

Continuous Run - LCBX 60W or 120W



A - Power input (120-277V, wiring by others)
B - LCBX (60W or 120W)
C - Jumper cable (LOGNJC)
D - Lumenfacade Nano
E - Terminator cap

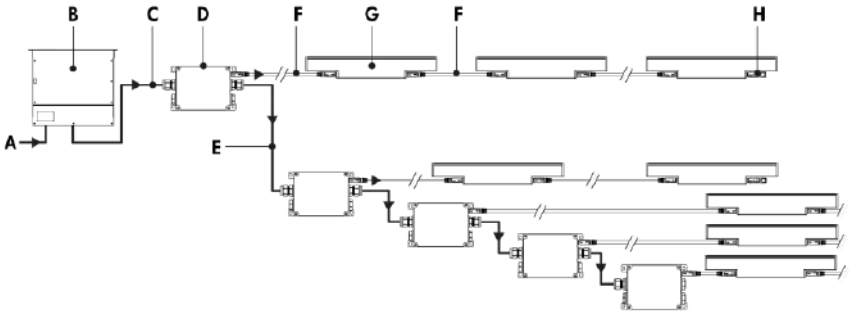
Continuous Run - LCBX 200W



A - Power input (120-277V, wiring by others)
B - LCBX (200W)
C - Jumper cable (LOGNJC)
D - Lumenfacade Nano
E - Terminator cap

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- Maximum of 1 output to fixture, or fixture run, per LCBX.
- Consult the LCBX specification sheet for more information.
- 2W version: 2 W/ft; 4W version: 4 W/ft; 7W version: 7 W/ft.

Trunk System - LSBX



A - Power input (120-277V, wiring by others)
B - Large Power Supply (LGPSU) (order separately from Lumenpulse)
C - Power input (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer to LSBX specification sheet for details)
D - LSBX
E - Power output to next LSBX (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer to LSBX specification sheet for details)
F - Jumper cable (LOGNJC)
G - Lumenfacade Nano
H - Terminator cap

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- Maximum of 1 output to fixture run per LSBX.
- The LSBX has a maximum of 200W for output to fixtures. Consult the LSBX specification sheet for more information.
- The Large Power Supply (LGPSU) has a maximum of 1000W (120V) or 1200W (277V). Consult LGPSU specification sheet for more information.
- 2W version: 2 W/ft; 4W version: 4 W/ft; 7W version: 7 W/ft.

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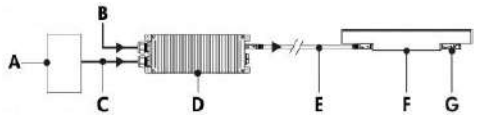
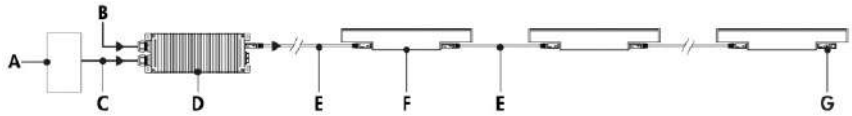
UCTL - Universal Control

Single Unit - LCBX 60W



A - Dimmer/controller (order separately from Lumenpulse, or by others)
B - Power input (120-277V, wiring by others)
C - Data input (wiring by others)
D - LCBX (60W)
E - Jumper cable (LOGNJC)
F - Lumenfacade Nano
G - Terminator cap

Continuous Run - LCBX 60W or 120W

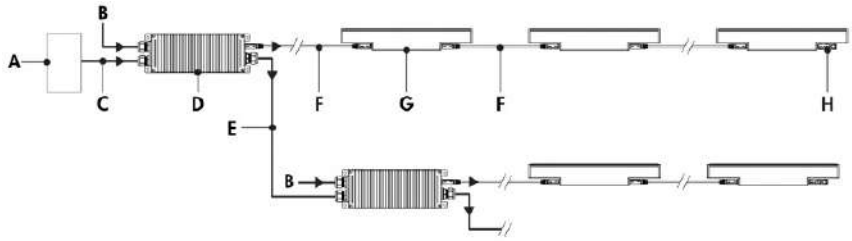


A - Dimmer/controller (order separately from Lumenpulse, or by others)
B - Power input (120-277V, wiring by others)
C - Data input (wiring by others)
D - LCBX (60W or 120W)
E - Jumper cable (LOGNJC)
F - Lumenfacade Nano
G - Terminator cap

Continuous Run - LCBX 200W

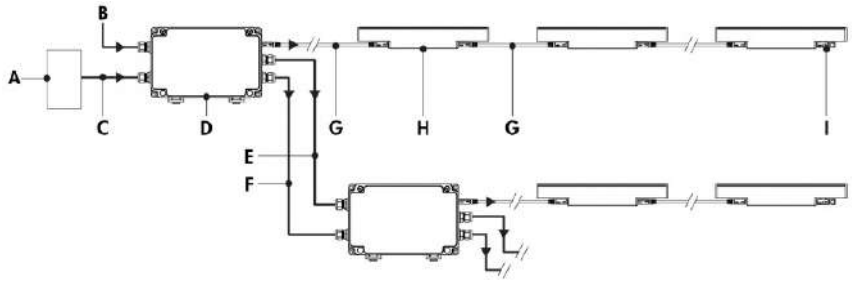
A - Dimmer/controller (order separately from Lumenpulse, or by others)
B - Power input (120-277V, wiring by others)
C - Data input (wiring by others)
D - LCBX (200W)
E - Jumper cable (LOGNJC)
F - Lumenfacade Nano
G - Terminator cap

Continuous Run - Daisy Chain
LCBX 60W or 120W



A - Dimmer/controller (order separately from Lumenpulse, or by others)
B - Power input (120-277V, wiring by others)
C - Data input (wiring by others)
D - LCBX (60W or 120W)
E - Data output to next LCBX (wiring by others)
F - Jumper cable (LOGNJC)
G - Lumenfacade Nano
H - Terminator cap

Continuous Run - Daisy Chain
LCBX 200W



A - Dimmer/controller (order separately from Lumenpulse, or by others)
B - Power input (120-277V, wiring by others)
C - Data input (wiring by others)
D - LCBX (200W)
E - Power output to next LCBX (120-277V, wiring by others)
F - Data output to next LCBX (wiring by others)
G - Jumper cable (LOGNJC)
H - Lumenfacade Nano
I - Terminator cap

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Maximum Run of Fixtures - Lumenfacade Nano® LOGN White & Static Colors

10ft Jumper Cable			
Wattage	**2W/ft**	**4W/ft**	**7W/ft**
Maximum Run of Fixtures per LCBX 60W	26ft	13ft	7ft
Maximum Run of Fixtures per LCBX 120W	52ft	25ft	15ft
Maximum Run of Fixtures per LCBX 200W	88ft*	45ft	25ft
25ft Jumper Cable			
Wattage	**2W/ft**	**4W/ft**	**7W/ft**
Maximum Run of Fixtures per LCBX 60W	26ft	13ft	7ft
Maximum Run of Fixtures per LCBX 120W	52ft	25ft	15ft
Maximum Run of Fixtures per LCBX 200W	88ft*	45ft	25ft
50ft Jumper Cable			
Wattage	**2W/ft**	**4W/ft**	**7W/ft**
Maximum Run of Fixtures per LCBX 60W	26ft	13ft	7ft
Maximum Run of Fixtures per LCBX 120W	52ft	25ft	15ft
Maximum Run of Fixtures per LCBX 200W	88ft*	45ft	25ft

*Example: 2W/ft = 88ft maximum run of end to end fixtures per LCBX 200W.
(22 fixtures maximum for 4ft LOGN 2W/ft, 88 fixtures maximum for 1ft LOGN 2W/ft).
Consult factory for system validation prior to quoting and ordering.

- Consult factory for specific applications and maximum fixture count/run length recommendations.
- Maximum of 1 output to fixture, or fixture run, per LCBX.
- Consult the LCBX specification sheet for more information.
- UCTL can be controlled via a 0-10V dimmer, DALI controller or DMX/RDM controller.
- For 0-10V dimming applications:

- 0-10V mA ratings: Current Sink Mode: 2mA per LCBX; Current Source Mode: 2mA per LCBX.

- For DALI applications:

- A maximum of 64 DALI fixtures per DALI loop.

- For DMX/RDM applications:

- Each fixture requires 1 DMX channel.

- 1% minimum dimming value.
- 2W version: 2 W/ft; 4W version: 4 W/ft; 7W version: 7 W/ft.

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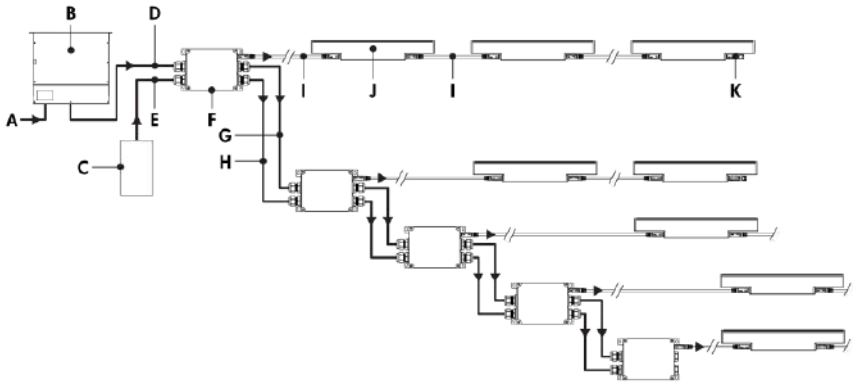
Trunk System - LSBX

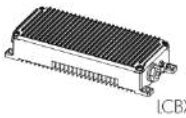


A - Power input (120-277V, wiring by others)
B - Large Power supply (LGPSU) (order separately from Lumenpulse)
C - Controller (order separately from Lumenpulse, or by others)
D - Power input (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer to LSBX specification sheet for details)
E - Data input (order separately from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others. Refer to LSBX specification sheet for details)
F - LSBX
G - Power output to next LSBX (48V, order separately from Lumenpulse - Trunk Power Cable (TKPWR), or equivalent by others. Refer to LSBX specification sheet for details)
H - Data output to next LSBX (order separately from Lumenpulse - Trunk Data Cable (TKDMX), or equivalent by others. Refer to LSBX specification sheet for details)
I - Jumper cable (LOGNJC)
J - Lumenfacade Nano
K - Terminator cap

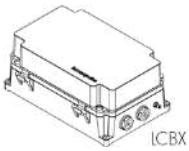
- Consult factory for specific applications and maximum fixture count/run length recommendations.
- Maximum of 1 output to fixture run per LSBX.
- The LSBX has a maximum of 200W for output to fixtures. Consult the LSBX specification sheet for more information.
- The Large Power Supply (LGPSU) has a maximum of 1000W (120V) or 1200W (277V). Consult LGPSU specification sheet for more information.
- Each fixture requires 1 DMX channel.
- 1% minimum dimming value.
- 2W version: 2 W/ft; 4W version: 4 W/ft; 7W version: 7 W/ft.

Control Boxes (Order Separately)

LCBX - Low-Voltage Control Box



LCBX 60W & 120W



LCBX 200W

Low-voltage control and power box. One power and data output to fixture, or fixture run. Refer to LCBX specification sheet for details.

LSBX - Low-Voltage Splitter Box

Low-voltage control and power splitter box. One power and data output to fixture run. Refer to LSBX specification sheet for details.

Remote Power Supply (Order Separately)

LGPSU - Large Power Supply

Monté sur rack

Indoor rack-mounted 1.2KW power supply allows for scalable DMX/RDM controlled Lumenfacade Nano systems. Wall Mount version coming soon, consult factory for details.

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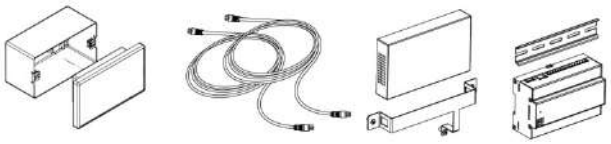
Control Systems (Order Separately)

LTN2 - Lumentone™ 2

Lumentone 2 is a simple pre-programmed DMX 512 controller with a push button rotary dial and live feedback.

PHAROS - Pharos® Kit



The Pharos kit, available for 1 or 2 DMX universes, allows for complete control of large lighting installations. 2 DMX universes kit shown.

Diagnostic And Addressing Tools (Order Separately)

LID - LumenID

LumenID is a diagnostic and addressing DMX/RDM tool. It must be specified on all DMX applications. Consult LID specification sheet for details.

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How to Order

Housing	Wattage	Voltage	Length	Color and Color Temperature [2]	Color Rendering [4]
LOGN Lumenfacade™ Nano	**2W** 2 W/ft [1] **4W** 4 W/ft **7W** 7 W/ft	**48V** 48 VDC	**12** 12 3/4 in (1.4 lbs) **24** 24 3/4 in (2.9 lbs) **36** 36 3/4 in (4.4 lbs) **48** 48 3/4 in (6 lbs)	**22K** 2200K **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **RD** Red [3] **GR** Green [3] **BL** Blue [3]	**80** CRI 80+ **90** CRI 90+ [5]

Notes:

1. Not available for static red, green or blue color options.
2. Consult factory for availability of static Royal Blue, and 6500K.
3. Static colors made to order 8-10 weeks.
4. Not applicable to static red, green or blue color options.
5. Available for 27K and 30K color temperatures only.

lumenpulse™

1220 Marie-Victorin Blvd., Longueuil, QC, J4G 2H9, CA **T** United States 617.307.5700 | Canada 1.877.937.3003 | 514.937.3003 **F** 514.937.6289
info@lumenpulse.com **www.lumenpulse.com** **www.lumenpulse.com/products/2953**

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How to Order

Optic	Lens	Mounting Option [11] [12]	Finish	Control [16]	Option	Certification	Buy America.n Act
8x8 8° x 8° **10x10** 10° x 10° **10x30** 10° x 30° **10x60** 10° x 60° **10x90** 10° x 90° **30x10** 30° x 10° **30x30** 30° x 30° **30x60** 30° x 60° **30x90** 30° x 90° **60x10** 60° x 10° **60x60** 60° x 60° **60x90** 60° x 90° **90x90** 90° x 90 **W** Wide 120° [6] **WW** Asymmetric Wallwash [7]	**CL** Clear Lens [8] **FR** Frosted Lens [9] **HFR** Half-Frosted Lens [10]	**SAMN** Slim Adjustable Mounting Nano **UMPN** Fixed Mounting Nano **UMASN** Universal Adjustable Mounting Nano **WAMN2** Adjustable Wall Mounting Nano 2 in **WAMN6** Adjustable Extended Arm Mounting Nano 6 in **WAMN12** Adjustable Extended Arm Mounting Nano 12 in **WAMN18** Adjustable Extended Arm Mounting Nano 18 in **WAMN28** Adjustable Extended Arm Mounting Nano 28 in	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **WH** Smooth White **CC** Custom Color & Finish [13] [14] [15]	**NO** On/Off Control **UCTL** Universal control (compatible with 0-10V, DALI or DMX/RDM systems)	**CRC** Corrosion-resistant coating [17] [18] **3GV** 3G ANSI C136.31-2010 Vibration Rating for Bridge Applications [19]	**UL** UL Compliant **CE** CE Compliant	**BAA** Buy America.n [20] [21]

Notes:

6. Not compatible with louver or visor optical accessories.
7. Not compatible with louver optical accessory.
8. Not available for 8x8, 10x10, W or WW optics.
9. Not available for WW optic.
10. Available for 8x8, 10x10, 10x30 or WW optics only.
11. One mounting bracket provided for 12 in fixtures. Two mounting brackets provided for 24 in, 36 in and 48 in fixtures.
12. Refer to Mounting Bracket Placement section in the specification sheet for mounting bracket distances that must be respected.
13. Lumenpulse offers a wide selection of RAL CLASSIC (K7) colors with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colors, other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
14. Setup charges apply for RAL colors. Consult factory for details.
15. Longer lead times can be expected for custom RAL color finishes.
16. A Low-Voltage Control Box (LCBX) or Low-Voltage Splitter Box (LSBX) and LumenID (LID) must be specified.
17. Use only when exposed to salt spray. This option is not required for normal outdoor exposure.
18. Setup charges apply. Consult factory for details.
19. Not available for SAMN mounting option. Mounting bracket distances that must be respected, consult Mounting Bracket Placement section in the specification sheet for details.
20. Not available with CE certification option.
21. Contact your Lumenpulse Sales Representative for more information on order volume details.

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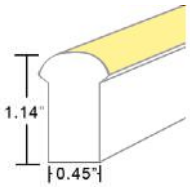
LLI ARCHITECTURAL LIGHTING

PROJECT	SPECIFIER
SKU	
QUANTITY	DATE

LINE VOLTAGE STATIC WHITE LED NEON - 120V

Dome Profile / Side Bending / PVC

E5

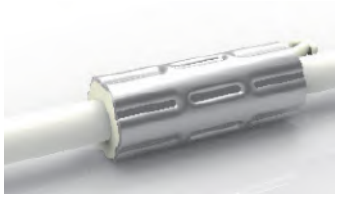


3 YEAR LIMITED WARRANTY

TECHNICAL INFORMATION

NOTE: All data has +/- 5% tolerance.

WATTAGE	3.1W per foot
BEND ORIENTATION	Side bend
IP RATING	IP65 - wet locations; not suitable for submersion, limited protection against harsh environments. Meets ETL 1598 standard.
HOUSING MATERIAL	PVC
OUTPUT	2200K - 104 lm/ft 2700K - 128 lm/ft 3000K - 128 lm/ft 3500K - 128 lm/ft 4000K - 128 lm/ft 5700K - 128 lm/ft
INPUT VOLTAGE	120VAC
CRI	80+
SEGMENT LENGTH	Every 3.28", not field-cuttable
DIMMABLE	Yes, compatible with ELV reverse phase dimmers
MAXIMUM RUN	65ft max. run for individual section. 130ft max. run for two (2) 65ft sections joined by jumper cable. See pages 2-3. One (1) fuse box required per run, LLI-NAC-65-ETLBOX-12IN-120V
DIMENSIONS	0.45" W x 1.14" H (11.5mm x 29mm)
MINIMUM BEND	4.72" diameter
INSTALLATION TEMP.	4°F to 120°F
OPERATING TEMP.	-4°F to 120°F
WARRANTY	3 year limited

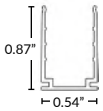


ANTI-WICKING FERRULE

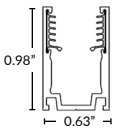
Standard on all LED Neon power cables.
Located 4.5" from the connector.
Protects against water ingress and circuit board corrosion.
H 0.47" x W 1.18"

MOUNTING CLIP OPTIONS (SOLD SEPARATELY)

More options and channels available (page 6-8). Recommended 2 clips per 12" of Neon.



Mounting Clip
Part Number: LLI-ND-MCL-1.5IN
1.38" L x 0.87" H x 0.54" W



Silicone Grip Mounting Clip
Part Number: LLI-ND-MCL-SG-0.8IN
0.80" L x 0.98" H x 0.63" W

NOTE: Neon sections may be mounted end-to-end on the non-power feed end to create the appearance of longer runs. End-to-end Neon sections must have a 0.5" to 1" gap to allow for expansion/contraction. A dark spot may be visible at <20ft viewing distance.

PART NUMBER BUILDER / ORDERING GUIDE

Example part number: LLI-N3.1W-65-DSP-30K-120V-96in

SERIES		IP RATING		TYPE		CCT		VOLTAGE		LENGTH
LLI-N3.1W	-	65	-	DSP	-		-	120V	-	

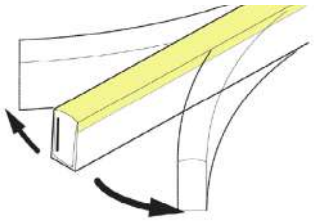
22K - 104 lm/ft
27K - 128 lm/ft
30K - 128 lm/ft
35K - 128 lm/ft
40K - 128 lm/ft
57K - 128 lm/ft

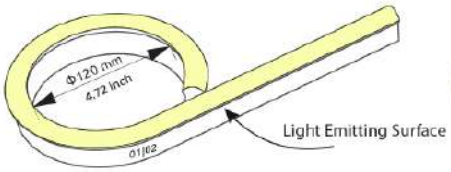
(enter length in inches, up to 780")

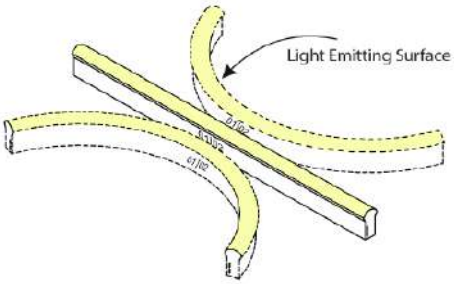
LINE VOLTAGE STATIC WHITE LED NEON - 120V

Dome Profile / Side Bending / PVC

ORIENTATION & MINIMUM BEND DIAMETER

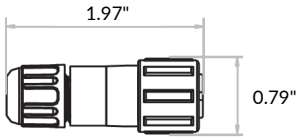




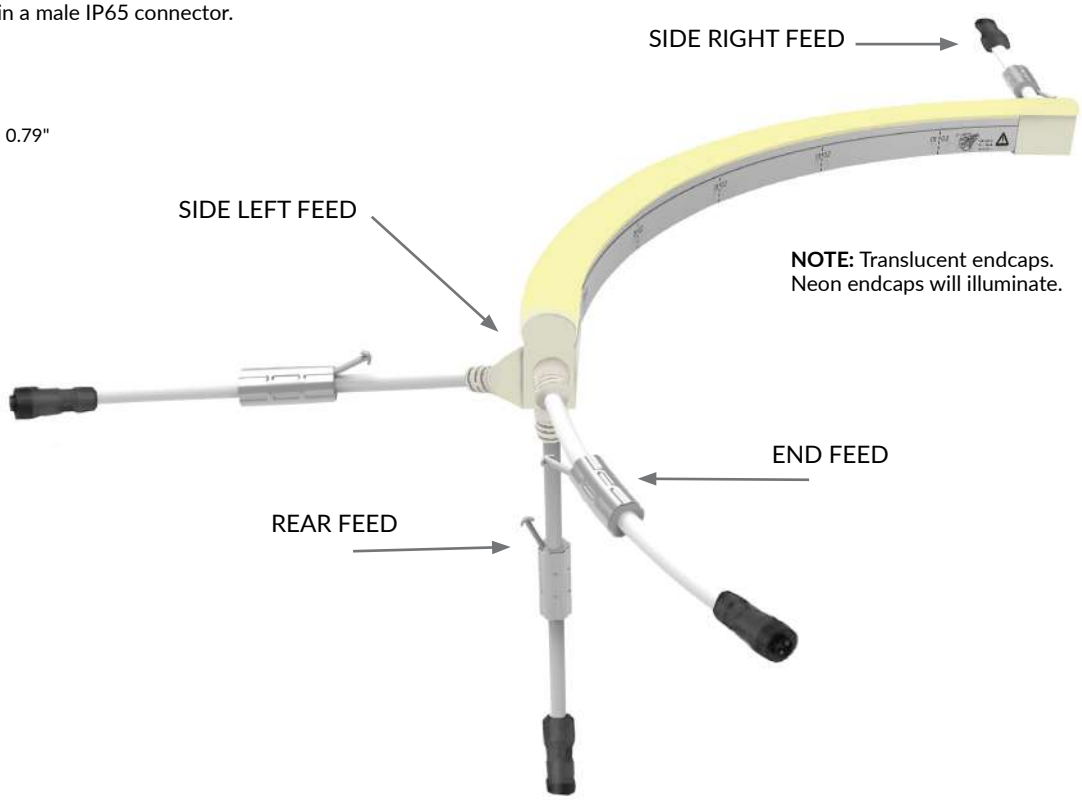


POWER FEED ORIENTATION GUIDE

All power feeds terminate in a male IP65 connector.



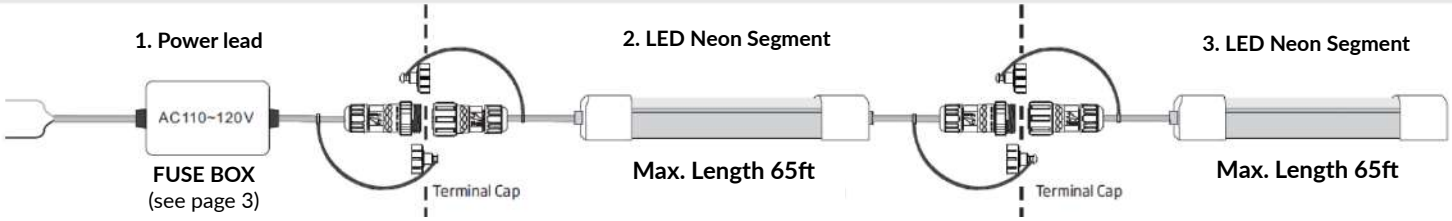
IP65



NOTE: Translucent endcaps.
Neon endcaps will illuminate.

STANDARD LAYOUT

ETL Certified (Standard UL 1598, CSA C22.2#250.0)



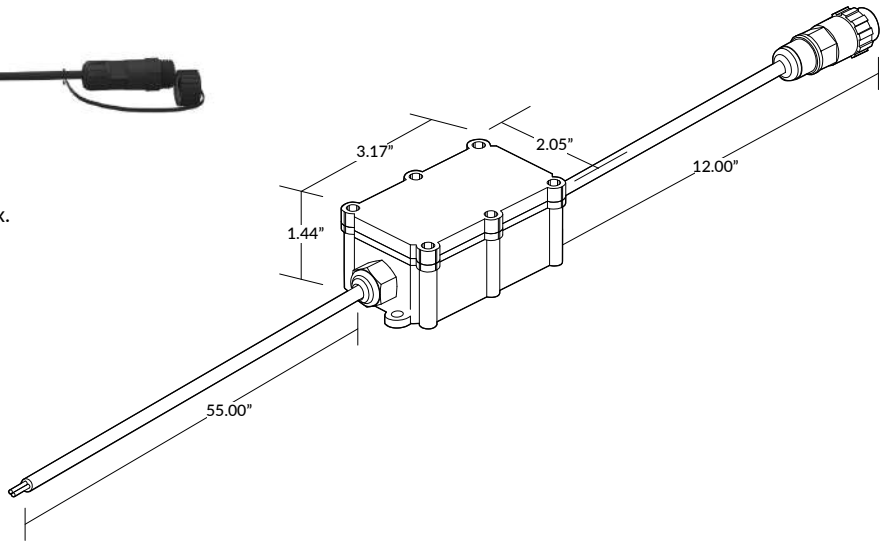
(see page 4 to specify jumper power connector length)

(see page 4 to specify jumper power connector length)

LINE VOLTAGE STATIC WHITE LED NEON - 120V

Dome Profile / Side Bending / PVC

POWER FEED & TERMINATION OPTIONS (IP65)



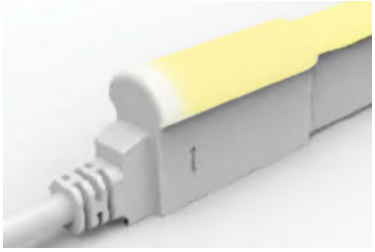
Fuse Box

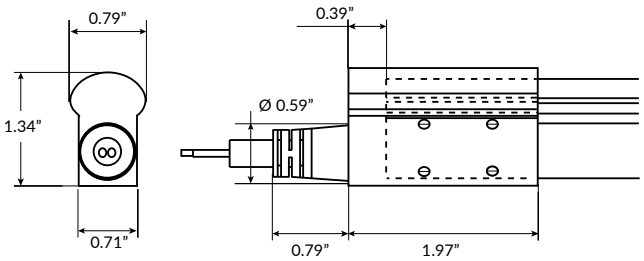
(required for every Neon section)

18AWG. 55" cable length before box; 12" cable length after box.
Box must be accessible for fuse replacement.

Do not open fuse box during installation or during use.

SERIES	LENGTH	INPUT
LLI-NAC-65-ETLBOX	12IN	120V

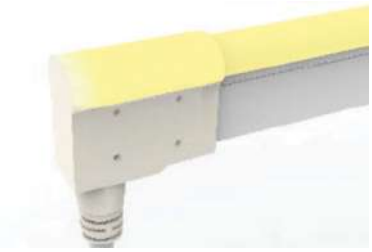


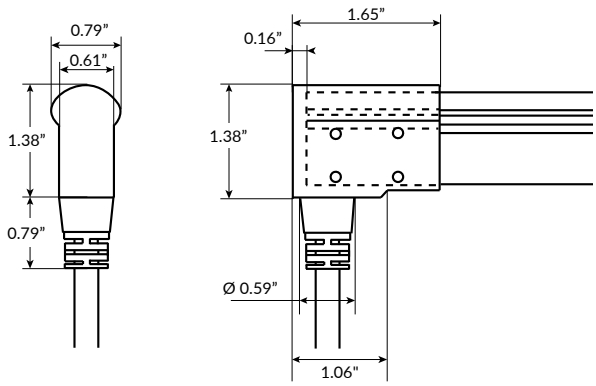


End Power Feed

SERIES	SIDE	LENGTH	INPUT
LLI-ND-65-PWR2	EF		120V

39IN
118IN
196IN
393IN





Rear Power Feed

SERIES	SIDE	LENGTH	INPUT
LLI-ND-65-PWR2	RF		120V

39IN
118IN
196IN
393IN

LINE VOLTAGE STATIC WHITE LED NEON - 120V

Dome Profile / Side Bending / PVC

POWER FEED & TERMINATION OPTIONS (IP65)

Side Right Power Feed

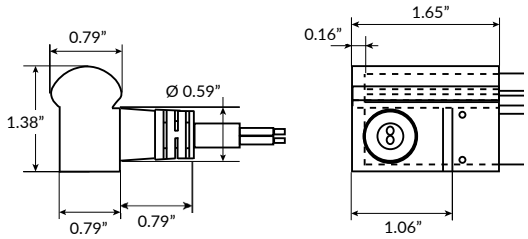
SERIES	SIDE	LENGTH	INPUT
LLI-ND-65-PWR2	SR		120V

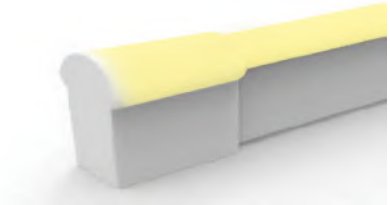
39IN
118IN
196IN
393IN

Side Left Power Feed

SERIES	SIDE	LENGTH	INPUT
LLI-ND-65-PWR2	SL		120V

39IN
118IN
196IN
393IN

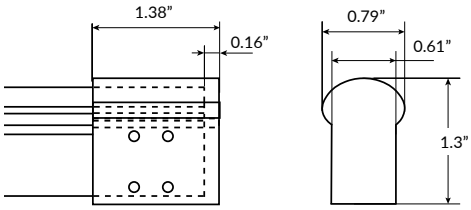




End Cap

SERIES

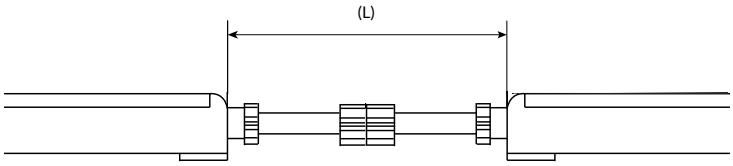
LLI-ND-65-EC-120V



Jumper Power Connector

SERIES	SIDE	LENGTH (L)
LLI-ND-65-CON2		

SIDE	LENGTH (L)
SR	12IN
SL	39IN
EF	118IN
RF	196IN
	393IN



LINE VOLTAGE STATIC WHITE LED NEON - 120V

Dome Profile / Side Bending / PVC

OVERALL LENGTH / CUT POINT GUIDE

Dimension tolerance of ± 1/8".
This product expands and contracts in varying ambient temperatures. If butting Neon end-to-end, add 1/2" to 1" gap between sections for expansion.

SIDE FEED AND REAR FEED LED NEON

3.6"	6.9"	10.2"	13.4"	16.7"	20.0"	23.3"	26.6"	29.8"	33.1"	36.4"	39.7"
43.0"	46.2"	49.5"	52.8"	56.1"	59.4"	62.6"	65.9"	69.2"	72.5"	75.8"	79.0"
82.3"	85.6"	88.9"	92.2"	95.4"	98.7"	102.0"	105.3"	108.6"	111.8"	115.1"	118.4"
121.7"	125.0"	128.2"	131.5"	134.8"	138.1"	141.4"	144.6"	147.9"	151.2"	154.5"	157.8"
161.0"	164.3"	167.6"	170.9"	174.2"	177.4"	180.7"	184.0"	187.3"	190.6"	193.8"	197.1"
200.4"	203.7"	207.0"	210.2"	213.5"	216.8"	220.1"	223.4"	226.6"	229.9"	233.2"	236.5"
239.8"	243.0"	246.3"	249.6"	252.9"	256.2"	259.4"	262.7"	266.0"	269.3"	272.6"	275.8"
279.1"	282.4"	285.7"	289.0"	292.2"	295.5"	298.8"	302.1"	305.4"	308.6"	311.9"	315.2"
318.5"	321.8"	325.0"	328.3"	331.6"	334.9"	338.2"	341.4"	344.7"	348.0"	351.3"	354.6"
357.8"	361.1"	364.4"	367.7"	371.0"	374.2"	377.5"	380.8"	384.1"	387.4"	390.6"	393.9"
397.2"	400.5"	403.8"	407.0"	410.3"	413.6"	416.9"	420.2"	423.4"	426.7"	430.0"	433.3"
436.6"	439.8"	443.1"	446.4"	449.7"	453.0"	456.2"	459.5"	462.8"	466.1"	469.4"	472.6"
475.9"	479.2"	482.5"	485.8"	489.0"	492.3"	495.6"	498.9"	502.2"	505.4"	508.7"	512.0"
515.3"	518.6"	521.8"	525.1"	528.4"	531.7"	535.0"	538.2"	541.5"	544.8"	548.1"	551.4"
554.6"	557.9"	561.2"	564.5"	567.8"	571.0"	574.3"	577.6"	580.9"	584.2"	587.4"	590.7"
594.0"	597.3"	600.6"	603.8"	607.1"	610.4"	613.7"	617.0"	620.2"	623.5"	626.8"	630.1"
633.4"	636.6"	639.9"	643.2"	646.5"	649.8"	653.0"	656.3"	659.6"	662.9"	666.2"	669.4"
672.7"	676.0"	679.3"	682.6"	685.8"	689.1"	692.4"	695.7"	699.0"	702.2"	705.5"	708.8"
712.1"	715.4"	718.6"	721.9"	725.2"	728.5"	731.8"	735.0"	738.3"	741.6"	744.9"	748.2"
751.4"	754.7"	758.0"	761.3"	764.6"	767.8"	771.1"	774.4"	777.7"			

END FEED LED NEON

Measurement does not include area required for routing power wire. Add 1.5" distance account for routing end feed power wire.

4.5"	7.7"	11.0"	14.3"	17.6"	20.9"	24.1"	27.4"	30.7"	34.0"	37.3"	40.5"
43.8"	47.1"	50.4"	53.7"	56.9"	60.2"	63.5"	66.8"	70.1"	73.3"	76.6"	79.9"
83.2"	86.5"	89.7"	93.0"	96.3"	99.6"	102.9"	106.1"	109.4"	112.7"	116.0"	119.3"
122.5"	125.8"	129.1"	132.4"	135.7"	138.9"	142.2"	145.5"	148.8"	152.1"	155.3"	158.6"
161.9"	165.2"	168.5"	171.7"	175.0"	178.3"	181.6"	184.9"	188.1"	191.4"	194.7"	198.0"
201.3"	204.5"	207.8"	211.1"	214.4"	217.7"	220.9"	224.2"	227.5"	230.8"	234.1"	237.3"
240.6"	243.9"	247.2"	250.5"	253.7"	257.0"	260.3"	263.6"	266.9"	270.1"	273.4"	276.7"
280.0"	283.3"	286.5"	289.8"	293.1"	296.4"	299.7"	302.9"	306.2"	309.5"	312.8"	316.1"
319.3"	322.6"	325.9"	329.2"	332.5"	335.7"	339.0"	342.3"	345.6"	348.9"	352.1"	355.4"
358.7"	362.0"	365.3"	368.5"	371.8"	375.1"	378.4"	381.7"	384.9"	388.2"	391.5"	394.8"
398.1"	401.3"	404.6"	407.9"	411.2"	414.5"	417.7"	421.0"	424.3"	427.6"	430.9"	434.1"
437.4"	440.7"	444.0"	447.3"	450.5"	453.8"	457.1"	460.4"	463.7"	466.9"	470.2"	473.5"
476.8"	480.1"	483.3"	486.6"	489.9"	493.2"	496.5"	499.7"	503.0"	506.3"	509.6"	512.9"
516.1"	519.4"	522.7"	526.0"	529.3"	532.5"	535.8"	539.1"	542.4"	545.7"	548.9"	552.2"
555.5"	558.8"	562.1"	565.3"	568.6"	571.9"	575.2"	578.5"	581.7"	585.0"	588.3"	591.6"
594.9"	598.1"	601.4"	604.7"	608.0"	611.3"	614.5"	617.8"	621.1"	624.4"	627.7"	630.9"
634.2"	637.5"	640.8"	644.1"	647.3"	650.6"	653.9"	657.2"	660.5"	663.7"	667.0"	670.3"
673.6"	676.9"	680.1"	683.4"	686.7"	690.0"	693.3"	696.5"	699.8"	703.1"	706.4"	709.7"
712.9"	716.2"	719.5"	722.8"	726.1"	729.3"	732.6"	735.9"	739.2"	742.5"	745.7"	749.0"
752.3"	755.6"	758.9"	762.1"	765.4"	768.7"	772.0"	775.3"	778.5"			

LINE VOLTAGE STATIC WHITE LED NEON - 120V

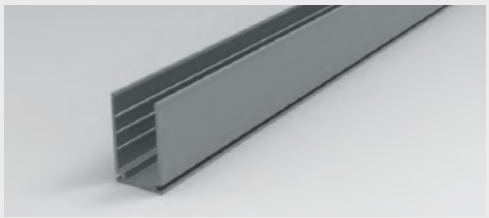
Dome Profile / Side Bending / PVC

MOUNTING CHANNELS

NOTE: Leave a 0.5” to 1” gap between Neon power feed and mounting channel, to avoid undue stress on power feed cables.

ALUMINUM MOUNTING CHANNEL

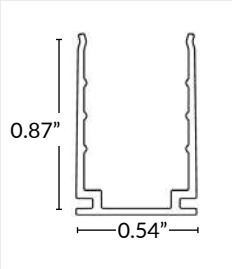
Silver anodized finish



Mounting Clip
Recommended 2 clips every 12”
Part Number: LLI-ND-MCL-1.5IN
Dimensions: 1.5” L x 0.87” H x 0.54” W

20” Mounting Channel
Part Number: LLI-ND-EXT-20IN
Dimensions: 20” L x 0.87” H x 0.54” W

39” Mounting Channel
Part Number: LLI-ND-EXT-39IN
Dimensions: 39” L x 0.87” H x 0.54” W



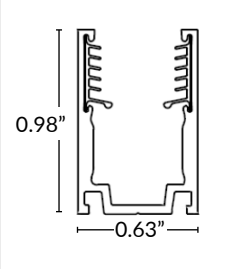
SILICONE GRIP ALUMINUM MOUNTING CHANNEL

Recommended for ceiling and wall applications
Silver anodized finish

Mounting Clip
Recommended 2 clips every 12”
Part Number: LLI-ND-MCL-SG-1.5IN
Dimensions: 1.5” L x 0.98” H x 0.63” W

20” Mounting Channel
Part Number: LLI-ND-EXT-SG-20IN
Dimensions: 20” L x 0.98” H x 0.63” W

39” Mounting Channel
Part Number: LLI-ND-EXT-SG-39IN
Dimensions: 39.4” L x 0.98” H x 0.63” W



FLEXIBLE STAINLESS STEEL MOUNTING CHANNEL

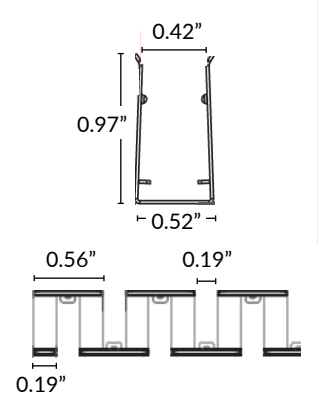
Silver anodized finish

4” Mounting Channel
Part Number: LLI-ND-EXT-F-4IN
Dimensions: 4” L x 0.97” H x 0.52” W

12” Mounting Channel
Part Number: LLI-ND-EXT-F-12IN
Dimensions: 12” L x 0.97” H x 0.52” W

20” Mounting Channel
Part Number: LLI-ND-EXT-F-20IN
Dimensions: 20” L x 0.97” H x 0.52” W

35” Mounting Channel
Part Number: LLI-ND-EXT-F-35IN
Dimensions: 35” L x 0.97” H x 0.52” W

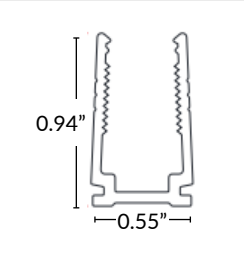


PLASTIC MOUNTING CHANNEL

White finish

20” Mounting Channel
Part Number: LLI-NS-EXT-P-20IN
Dimensions: 20” L x 0.94” H x 0.55” W

39” Mounting Channel
Part Number: LLI-NS-EXT-P-39IN
Dimensions: 39.4” L x 0.94” H x 0.55” W



LINE VOLTAGE STATIC WHITE LED NEON - 120V

Dome Profile / Side Bending / PVC

MOUNTING CHANNELS (CONTINUED)

NOTE: Leave a 0.5” to 1” gap between Neon power feed and mounting channel, to avoid undue stress on power feed cables.

REINFORCED PLASTIC MOUNTING CHANNEL

Clear plastic

1.5” Mounting Clip

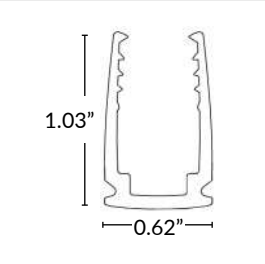
Part Number: LLI-ND-EXT-CP-1.5IN
Dimensions: 1.5” L x 1.03” H x 0.62” W

20” Mounting Channel

Part Number: LLI-ND-EXT-CP-20IN
Dimensions: 20” L x 1.03” H x 0.62” W

39” Mounting Channel

Part Number: LLI-ND-EXT-CP-39IN
Dimensions: 39.4” L x 1.03” H x 0.62” W



RECESSED ALUMINUM MOUNTING CHANNEL

Silver anodized finish

0.8” Mounting Clip

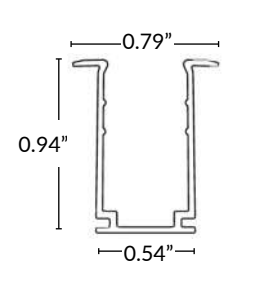
Part Number: LLI-ND-EXT-R-0.8IN
Dimensions: 0.8” L x 0.94” H x 0.79” W

20” Mounting Channel

Part Number: LLI-ND-EXT-R-20IN
Dimensions: 20” L x 0.94” H x 0.79” W

39” Mounting Channel

Part Number: LLI-ND-EXT-R-39IN
Dimensions: 39.4” L x 0.94” H x 0.79” W



RECESSED ALUMINUM MOUNTING CHANNEL WITH SILICONE GRIP

Recommended for ceiling and wall applications
Silver anodized finish

0.8” Mounting Clip

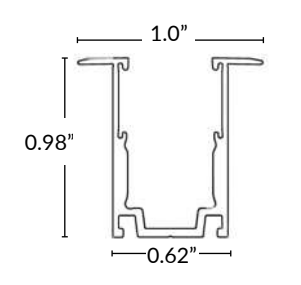
Part Number: LLI-ND-MCL-RSG-0.8IN
Dimensions: 0.8” L x 0.98” H x 1.0” W

20” Mounting Channel

Part Number: LLI-ND-EXT-RSG-20IN
Dimensions: 20” L x 0.98” H x 1.0” W

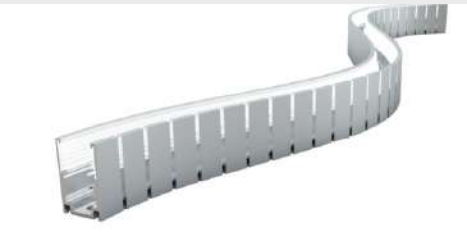
39” Mounting Channel

Part Number: LLI-ND-EXT-RSG-39IN
Dimensions: 39.4” L x 0.98” H x 1.0” W



BENDABLE SERRATED ALUMINUM MOUNTING CHANNEL

Silver anodized finish

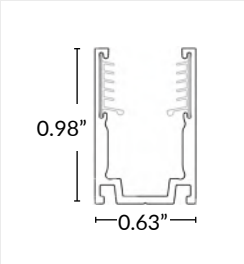


20” Mounting Channel

Part Number: LLI-ND-EXT-BS-20IN
Dimensions: 20” L x 0.98” H x 0.63” W

39” Mounting Channel

Part Number: LLI-ND-EXT-BS-39IN
Dimensions: 39.4” L x 0.98” H x 0.63” W



LINE VOLTAGE STATIC WHITE LED NEON - 120V

Dome Profile / Side Bending / PVC

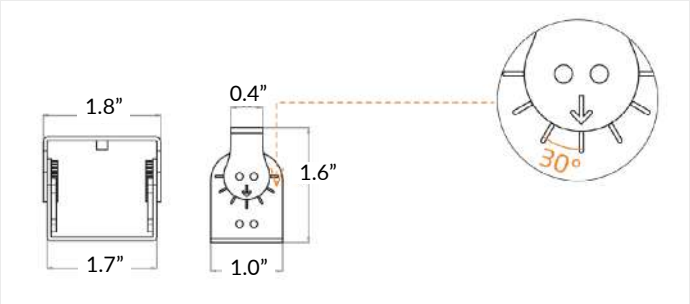
MOUNTING CHANNELS (CONTINUED)

NOTE: Leave a 0.5” to 1” gap between Neon power feed and mounting channel, to avoid undue stress on power feed cables.

ADJUSTABLE MOUNTING BRACKET

Recommended 3 brackets for every 39” channel
Adjusts in 15° increments, notches every 30°

Part Number: LLI-ND-MCL-ADJ
Dimensions: 1” L x 1.6” H x 1.8” W



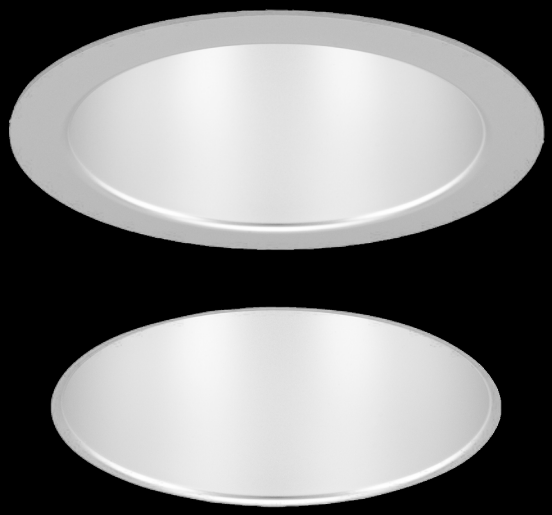
E6

ID+ 3.5"

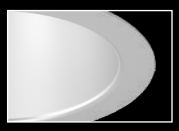
OVERLAP & TRIMLESS LED DOWNLIGHTS

FOCAL POINT®

RL TW WD PoE



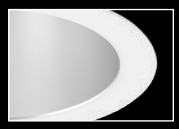
Overlap Solite lens


Clear diffuse

Warm diffuse

Black

White

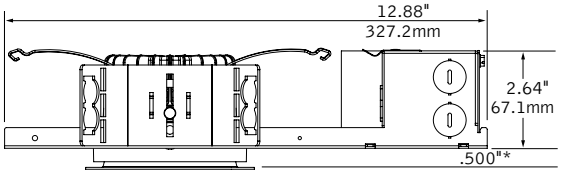

Optional painted flanges

Wall Wash companion

Adjustable Accent companion

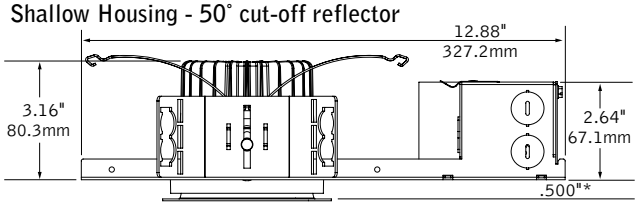
DIMENSIONAL DATA

Very Shallow Housing - 60˚ and 75˚ cut-off reflectors

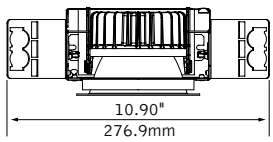


Housing height with DALI, Lutron & LZ1 drivers is 3.0"

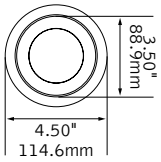
Shallow Housing - 50˚ cut-off reflector



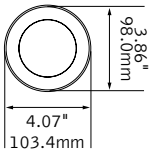
*Field adjustability of ceiling thickness from 0.5" - 1.5"



Overlap Trim



Trimless



FEATURES

Less than 2.64" low profile housing available.

50˚, 60˚ and 75˚ cut-off reflector options available.

25˚ to 90˚ beam spreads support accent lighting, task lighting and general illumination.

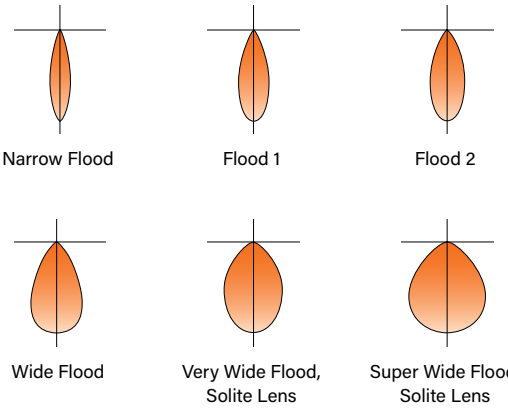
Solite lens with die-cast trim allows for a coordinated aesthetic with ID+ 3.5" Adjustable Accent and delivers 70˚ or 90˚ beam spread options.

Tunable White: Supports human activity, well-being, and preferences with a light quality that evolves throughout the day.

Warm Dim: Lighting that enhances spaces with a warm glow, reminiscent of incandescent or halogen light sources.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

DISTRIBUTIONS

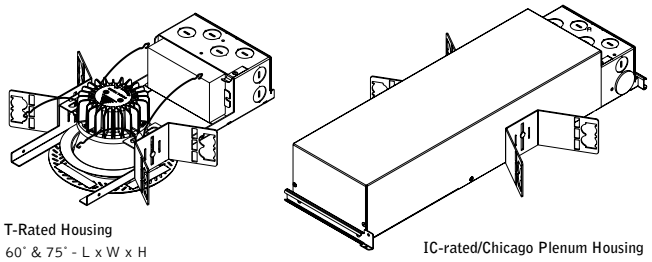


Based on Overlap Trim, Tall Cone except Solite Lens versions, Clear Diffuse. Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data. Visit energystar.gov for model specifics.

ENERGY STAR

fixture: project:

STANDARD WHITE HOUSING DETAILS



T-Rated Housing
60˚ & 75˚ - L x W x H
12.88" x 10.90" x 2.64"
DALI, Lutron & LZ1 height = 3.0"

50˚ - L x W x H
12.88" x 10.90" x 3.09"

IC-rated/Chicago Plenum Housing
60˚, 50˚ & 75˚ - L x W x H
20.19" x 10.9" x 3.53"

3.5" ROUND DOWNLIGHT OPTICS

Optic	Cut-Off Degree	Trim Type	Distribution Beam Spread | Spacing Criteria					
			NFL	FL1	FL2	WFL	VWFL	SWFL
DNT	50˚	Overlap	25° | 0.42	37° | 0.62	44° | 0.72	59° | 0.89	67° | 1.02	
		Trimless	26° | 0.54	37° | 0.62	44° | 0.76	58° | 0.87	-	-
DNS	60˚	Overlap	24° | 0.42	34° | 0.67	47° | 0.81	54° | 0.87	65° | 0.99	
		Trimless	25° | 0.42	37° | 0.63	45° | 0.75	56° | 0.92	-	-
DSS	75˚	Overlap	-	-	-	-	73° | 1.07	91° | 1.26
		Trimless	-	-	-	-	74° | 1.07	91° | 1.24

3.5" ROUND DOWNLIGHT PERFORMANCE TABLES

Based on Overlap, Tall Cone, Wide Flood, Clear Diffuse. Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

STANDARD WHITE				
CCT	**Lumen Output**	**Delivered Lumens**	**System Watts**	**LPW**
3500K, 80CRI	700L	721	8	90
	900L	919	10	94
	1100L	1112	12	96
	1300L	1298	16	83
	1500L	1484	17	85
	1700L	1682	19	86
	1900L	1909	22	87
	2100L	2144	25	86

QS 5 DAY* Options in orange qualify for 5-day Quickship up to 200 pieces. See Quickship Guide for more details.

Focal Point LLC reserves the right to change specifications for product improvement without notification.

STANDARD WHITE

HOUSING ORDERING

Housing Series — FLC3D
- ID+ 3.5" Round — FLC3D

Trim Type
- Round Overlap — RO
- Round Trimless — RT

Color Options
- Standard White, 80 & 90 CRI — SW
- High 97 CRI — HC

Lumen Output
- 700 Lumen (Not available with Lutron or LFP) — 700L
- 900 Lumen (Not available with LFP) — 900L
- 1100 Lumen — 1100L
- 1300 Lumen — 1300L
- 1500 Lumen — 1500L
- 1700 Lumen — 1700L
- 1900 Lumen — 1900L
- 2100 Lumen — 2100L

Voltage
- 120/277 Volt — UNV
  (IC-rated housing: SW - 1700lm max., HC - 1500lm max. T-rated & TW housings: SW - 1100lm max., HC - 900lm max.)
- 120V — 120
- 277V — 277
- Low Voltage — LV
  (IC-rated housing: SW - 1700lm max., HC - 1500lm max. T-rated & TW housings: SW - 1100lm max., HC - 900lm max.)

Control System & Dimming Level
- 0-10V <1% Dimming — LZ1
- 0-10V - 1% Dimming — L11
- 0-10V - 10% Dimming — LD1
- Low Voltage, PoE Compatible — LVN
  (No driver. Not available with EMR. LV voltage only.)
- Forward Phase (120V only) — LFP
- Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming — LH1
- Lutron Hi-Lume - Forward Phase (120V) - 1% Dimming — LTE
- DALI <1% Dimming — DZ1
- DALI - 1% Dimming — D11

Housing Type
- IC-Rated / Airtight (LTE 1500lm max.) — IC
- Thermally Protected, Non-IC / Airtight — T
- Thermally Protected, Non-IC Wood — TW
  (Trimless only. Wood kit required)

Factory Options
- Bar Hangers — BH
- Chicago Plenum — CP
- Emergency Battery - Remote test switch — EMR
  (Overlap trim only. Not available with CP or IC-rated housing. Above ceiling access required.)
- Outdoor Rated — OD
  (LD1 driver and T-rated housing only. Not available with CP or EMR. See dimming performance table on page 5.)

TRIM & LED MODULE

Aperture — LC3
- 3.5" Round Reflector — LC3

Trim Type
- Round Overlap — RO
- Round Die-Cast Overlap (DSS only) — RDO
- Round Trimless — RT
- Round Die-Cast Trimless (DSS only) — RDT

Color Options
- Standard White, 80 & 90 CRI — SW
- High 97 CRI — HC

Lumen Output
- 700 Lumen (Not available with Lutron or LFP) — 700L
- 900 Lumen (Not available with LFP) — 900L
- 1100 Lumen — 1100L
- 1300 Lumen — 1300L
- 1500 Lumen — 1500L
- 1700 Lumen — 1700L
- 1900 Lumen — 1900L
- 2100 Lumen — 2100L

Color Temperature
(Add 9 for 90 CRI or H for 97 CRI. Leave blank for 80 CRI. Examples: 2700K, 97 CRI = H27K. 2700K, 80 CRI = 27K.)
- 2700K, 80/90/97+ CRI — _27K
- 3000K, 80/90/97+ CRI — _30K
- 3500K, 80/90/97+ CRI — _35K
- 4000K, 80/90/97+ CRI — _40K

Optic
- Tall Cone with 50˚ cut-off — DNT
- Short Cone with 60˚ cut-off — DNS
- Super Short Cone with Solite Lens 75˚ cut-off — DSS
  (Die-cast trims only. VWFL or SWFL only.)

Distribution
- Narrow Flood — NFL
- Flood 1 — FL1
- Flood 2 — FL2
- Wide Flood — WFL
- Very Wide Flood (Overlap all optics. Trimless DSS only.) — VWFL
- Super Wide Flood (DSS only) — SWFL

Finish
- Clear Diffuse — CD
- Warm Diffuse — WD
- Black — BK
- White — WH

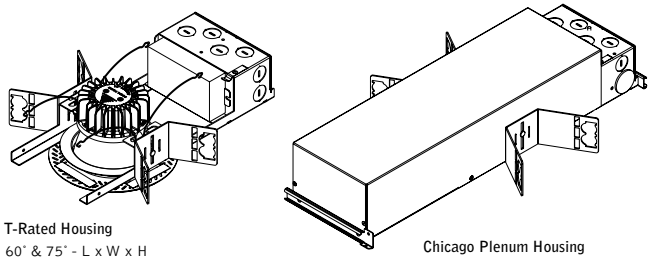
Optional Flange Finish
(Overlap CD & WD finish only) (For matching finishes leave blank)
- Black Painted — BP
- White Painted — WP

ACCESSORIES

- Trimless Wood Ceiling Installation Kit — LC3-WOOD-KIT
  (One kit recommended per 10 downlights)

fixture: project:

WARM DIM HOUSING DETAILS



T-Rated Housing
60˚ & 75˚ - L x W x H
12.88" x 10.90" x 2.64"
DALI, Lutron & LZ1 height = 3.0"

50˚ - L x W x H
12.88" x 10.90" x 3.09"

Chicago Plenum Housing
60˚, 50˚ & 75˚ - L x W x H
20.19" x 10.9" x 3.53"

3.5" ROUND DOWNLIGHT OPTICS

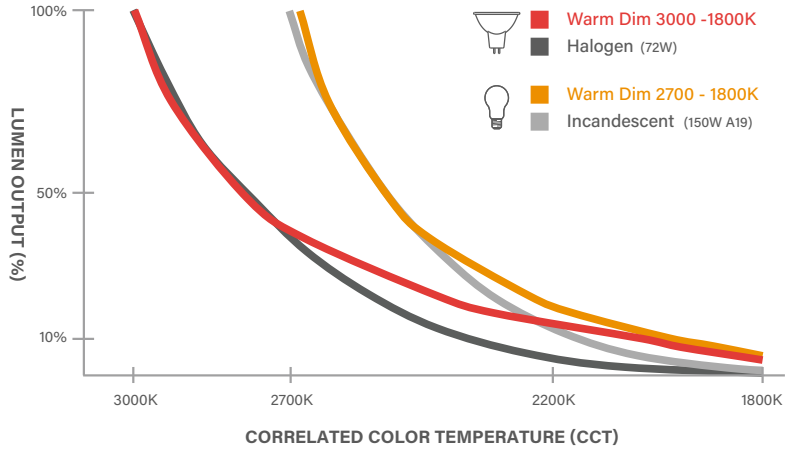
Optic	Cut-Off Degree	Trim Type	Distribution Beam Spread | Spacing Criteria					
			NFL	FL1	FL2	WFL	VWFL	SWFL
DNT	50˚	Overlap	25° | 0.42	37° | 0.62	44° | 0.72	59° | 0.89	67° | 1.02	
		Trimless	26° | 0.54	37° | 0.62	44° | 0.76	58° | 0.87	-	-
DNS	60˚	Overlap	24° | 0.42	34° | 0.67	47° | 0.81	54° | 0.87	65° | 0.99	
		Trimless	25° | 0.42	37° | 0.63	45° | 0.75	56° | 0.92	-	-
DSS	75˚	Overlap	-	-	-	-	73° | 1.07	91° | 1.26
		Trimless	-	-	-	-	74° | 1.07	91° | 1.24

3.5" ROUND DOWNLIGHT PERFORMANCE TABLE

Based on Overlap, Tall Cone, Wide Flood, Clear Diffuse. Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

WARM DIM				
CCT Range	**Lumen Output**	**Delivered Lumens**	**System Watts**	**LPW**
2700 - 1800K	1500L	1524	25	61
3000 - 1800K	1500L	1555	25	61

The 3000K to 1800K and 2700K to 1800K ranges mimic the black body curves of halogen and incandescent light sources, respectively.



Focal Point LLC reserves the right to change specifications for product improvement without notification.

WARM DIM
HOUSING ORDERING

Housing Series — **FLC3D**
ID+ 3.5" Round — FLC3D

Trim Type
Round Overlap — RO
Round Trimless — RT

Color Options — **WDM**
Warm Dim — WDM

Lumen Output — **1500L**
1500 Lumen — 1500L

Voltage
120V — 120
277V — 277

Control System & Dimming Level
0-10V <1% Dimming — LZ1
0-10V - 1% Dimming — L11
0-10V - 10% Dimming — LD1
Forward Phase (120V only) — LFP
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming — LH1
Lutron Hi-Lume - Forward Phase (120V) - 1% Dimming — LTE
DALI <1% Dimming — DZ1
DALI - 1% Dimming — D11

Housing Type
Thermally Protected, Non-IC / Airtight — T
Thermally Protected, Non-IC Wood — TW
(Trimless only. Wood kit required)

Factory Options
Bar Hangers — BH
Chicago Plenum — CP
Outdoor Rated — OD
(LD1 driver and T-rated housing only. Not available with CP. See dimming performance table on page 5.)

TRIM & LED MODULE

Aperture — **LC3**
3.5" Round Reflector — LC3

Trim Type
Round Overlap — RO
Round Die-Cast Overlap (DSS only) — RDO
Round Trimless — RT
Round Die-Cast Trimless (DSS only) — RDT

Color Options — **WDM**
Warm Dim — WDM

Lumen Output — **1500L**
1500 Lumen — 1500L

Color Temperature
Warm Dim: 2700-1800K, 90+ CRI — 92718W
Warm Dim: 3000-1800K, 90+ CRI — 93018W

Optic
Tall Cone with 50˚ cut-off — DNT
Short Cone with 60˚ cut-off — DNS
Super Short Cone with Solite Lens 75˚ cut-off (Die-cast trims only) — DSS

Distribution
Narrow Flood — NFL
Flood 1 — FL1
Flood 2 — FL2
Wide Flood — WFL
Very Wide Flood (Overlap all optics. Trimless DSS only.) — VWFL
Super Wide Flood (DSS only) — SWFL

Finish
Clear Diffuse — CD
Warm Diffuse — WD
Black — BK
White — WH

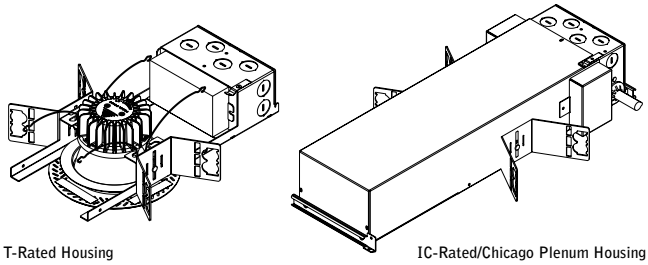
Optional Flange Finish
(Overlap CD & WD finish only) (For matching finishes leave blank)
Black Painted — BP
White Painted — WP

ACCESSORIES

Trimless Wood Ceiling Installation Kit (One kit recommended per 10 downlights) — LC3-WOOD-KIT

fixture: project:

TUNABLE WHITE HOUSING DETAILS



T-Rated Housing
L x W x H
12.88" x 10.90" x 3.60"

DZ1 = 12.88" x 10.90" x 3.00"

IC-Rated/Chicago Plenum Housing
L x W x H
20.19" x 10.9" x 3.53"

3.5" ROUND DOWNLIGHT OPTICS

Optic	Cut-Off Degree	Trim Type	Distribution Beam Spread | Spacing Criteria					
			NFL	FL1	FL2	WFL	VWFL	SWFL
DNT	50˚	Overlap	25° | 0.42	37° | 0.62	44° | 0.72	59° | 0.89	67° | 1.02	
		Trimless	26° | 0.54	37° | 0.62	44° | 0.76	58° | 0.87	-	-
DNS	60˚	Overlap	24° | 0.42	34° | 0.67	47° | 0.81	54° | 0.87	65° | 0.99	
		Trimless	25° | 0.42	37° | 0.63	45° | 0.75	56° | 0.92	-	-
DSS	75˚	Overlap	-	-	-	-	73° | 1.07	91° | 1.26
		Trimless	-	-	-	-	74° | 1.07	91° | 1.24

3.5" ROUND DOWNLIGHT PERFORMANCE TABLES

Based on Overlap, Tall Cone, Wide Flood, Clear Diffuse. Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

TW TUNABLE WHITE				
CCT	**Lumen Output**	**Delivered Lumens**	**System Watts**	**LPW**
2700K (2700-5000K & 2700-6500K)	700L	700	13	53
	900L	906	17	54
	1100L	1095	20	54
	1300L	1306	25	53
1800K (1800-4000K)	700L	701	20	36
	900L	898	25	37

The Comfort (1800K-4000K), Preference (2700K-5000K), and Activity (2700K-6500K) ranges give specifiers the tools to ehnance spaces, mood, and alertness.

DAYLIGHT RANGE

Sunrise/Sunset | Mid Morning/Afternoon | Noon

1800K 6500K

Focal Point LLC reserves the right to change specifications for product improvement without notification.

TUNABLE WHITE

HOUSING ORDERING

Housing Series — FLC3D
ID+ 3.5" Round FLC3D

Trim Type _____
Round Overlap RO
Round Trimless RT

Color Options _____
Tunable White: 1800-4000K 1840T
(900L max. T-rated housings only.)
Tunable White: 2700-5000K 2750T
Tunable White: 2700-6500K 2765T

Lumen Output _____
700 Lumen 700L
900 Lumen 900L
1100 Lumen 1100L
1300 Lumen 1300L

Voltage _____
120/277 Volt UNV
(2705T & 2765T only. IC housing only.)
120V 120
277V 277
Low Voltage LV
(2705T & 2765T only. IC housing only.)

Control System & Dimming Level _____
0-10V <1% Dimming LZ1
DALI <1% Dimming DZ1
(Default driver offers DT6 control. It requires two addresses, one for intensity & one for CCT tuning. Consult factory for DT8. Extended lead time apply.)
Low Voltage, PoE Compatible LVN
(No driver. Not available with EMR. LV voltage only.)

Housing Type _____
IC-Rated / Airtight IC
(700L only. 2750T or 2765T only.)
Thermally Protected, Non-IC / Airtight T
Thermally Protected, Non-IC Wood TW
(Trimless only. Wood kit required)

Factory Options
Bar Hangers BH _____
Chicago Plenum CP _____
(2750T & 2765T: 1100L max. 1840T: 700L only.)
Emergency Battery - Remote test switch EMR _____
(Overlap trim only. Not available with CP or IC-rated housing. Above ceiling access required.)

TRIM & LED MODULE

Aperture — LC3
3.5" Round Reflector LC3

Trim Type _____
Round Overlap RO
Round Die-Cast Overlap (DSS only) RDO
Round Trimless RT
Round Die-Cast Trimless (DSS only) RDT

Color Options _____
(Trim & housing must match)
Tunable White: 1800-4000K 1840T
Tunable White: 2700-5000K 2750T
Tunable White: 2700-6500K 2765T

Lumen Output _____
(Trim & housing must match)
700 Lumen 700L
900 Lumen 900L
1100 Lumen 1100L
1300 Lumen 1300L

Color Temperature _____
Tunable White: 1800-4000K, 90+ CRI 91840T
Tunable White: 2700-5000K, 90+ CRI 92750T
Tunable White: 2700-6500K, 90+ CRI 92765T

Optic _____
Tall Cone with 50˚ cut-off DNT
Short Cone with 60˚ cut-off DNS
Super Short Cone with Solite Lens 75˚ cut-off DSS
(Die-cast trims only)

Distribution _____
Narrow Flood NFL
Flood 1 FL1
Flood 2 FL2
Wide Flood WFL
Very Wide Flood VWFL
(Overlap all optics. Trimless DSS only.)
Super Wide Flood (DSS only) SWFL

Finish _____
Clear Diffuse CD
Warm Diffuse WD
Black BK
White WH

Optional Flange Finish _____
(Overlap CD & WD finish only) (For matching finishes leave blank)
Black Painted BP
White Painted WP

ACCESSORIES

Trimless Wood Ceiling Installation Kit LC3-WOOD-KIT _____
(One kit recommended per 10 downlights)

HOUSING SPECIFICATIONS

Construction

Thermally protected housing for new construction applications. Insulation to be kept 3" away from housing. Type IC inherently protected, suitable for direct contact with insulation. Restrictive airflow per ASTM-E283. Butterfly brackets allow mounting to 1⁄2" emt. Order bar hangers as an accessory. Die–cast aluminum heat sink designed for maximum thermal dissipation. Die-formed housing and integral junction box with (7) 1⁄2" pry outs. Accommodates ceiling thicknesses up to 0.5" standard, field adjustable up to 1.5" thickness. For thicker ceiling consult factory. Fixture will not exceed 5 lb. Trim is inherently airtight and may be used to obtain airtight rating when used with IC-rated or thermally protected, non-IC (T) housings.

Electrical

Choice of constant current dimming drivers. Power factor > .9 typical. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Emergency

Above ceilng access required. Overlap trim only. Emergency output - 7W for 90 minutes. Maximum mounting height — Clear Diffuse & White: 22.5ft. Black & Warm Diffuse: 15.3ft.

Labels

UL and cUL Listed. Suitable for Dry, Damp or Wet Locations, indoor use only. Specify Outdoor rated (OD) for outdoor recessed ceiling applications.

Outdoor Rated (OD) Driver Dimming Performance table

Lumen Output	Minimum Dimming Level
700L	20%
900L	16%
1100L	13%
1300L	10%
1500L	10%
1700L	10%
1900L	10%
2100L	10%

Lumen Maintenance

Reported: L70 at >55,000 hours
L90 at >55,000 hours

Calculated: L70 at 204,000 hours
L90 at 59,000 hours

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED System rated for operation in ambient environments up to 25°C. 5-year limited warranty. Fixture with Outdoor rated option must be installed in a covered ceiling and is warrantied for operation in ambient environments between -20˚C to +40˚C.

TRIM & LED SPECIFICATIONS

LED System

Proprietary array incorporates premium LEDs on a robust platform. May be specified in 2700K, 3000K, 3500K or 4000K, Warm Dimming (2700K-1800K and 3000K-1800K), or Tunable White (1800K-4000K, 2700K-5000K and 2700K-6500K), CRI>80, >90 or 97. Color accuracy within 2 SDCM (Warm Dimming from 3-5 SDCM). 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. Aluminum heat sink provides appropriate thermal management.

Aesthetics

Parabolic reflector cone ensures glare free optics. DNT & DNS reflector is .050 spun aluminum. DSS reflector is die-cast aluminum.Trims are self-flanged. Non-painted trim matches reflector finish. Painted flange may also be specified.

Optics

50-degree, 60-degree or 75-degree cut–off to light source and its image.

Color Lumen Multipliers

CRI	STANDARD WHITE CCT				WARM DIM CCT RANGES		TUNABLE WHITE CCT RANGES		
	2700	3000	3500	4000	2700-1800K	3000-1800K	1800-4000K	2700-5000K	2700-6500K
80+	0.92	0.98	1.00	1.01	-	-	-	-	-
90+	0.79	0.83	0.82	0.84	1.02	1.04	1.00	1.00	1.00
97	0.67	0.72	0.73	0.76	-	-	-	-	-

Distribution Lumen Multipliers

Trim Type	Optic	Distribution	Multiplier
Round Trimless [RT]	Tall Cone with 50˚ cut-off [DNT]	Narrow Flood [NFL]	1.12
		Flood 1 [FL1]	0.92
		Flood 2 [FL2]	1.06
		Wide Flood [WFL]	0.92
	Short Cone with 60˚ cut-off [DNS]	Narrow Flood [NFL]	0.99
		Flood 1 [FL1]	0.96
		Flood 2 [FL2]	0.92
		Wide Flood [WFL]	0.95
Round Overlap [RO]	Tall Cone with 50˚ cut-off [DNT]	Narrow Flood [NFL]	0.97
		Flood 1 [FL1]	0.94
		Flood 2 [FL2]	1.09
		Wide Flood [WFL]	1.02
		Very Wide Flood [VWFL]	1.02
	Short Cone with 60˚ cut-off [DNS]	Narrow Flood [NFL]	0.98
		Flood 1 [FL1]	1.17
		Flood 2 [FL2]	1.11
		Wide Flood [WFL]	1.09
		Very Wide Flood [VWFL]	1.07
Round Die-Cast Trimless [RDT]	Super Short Cone with Solite Lens with 75˚ cut-off [DSS]	Very Wide Flood [VWFL]	1.00
		Super Wide Flood [SWFL]	0.95
Round Die-Cast Overlap [RDO]	Super Short Cone with Solite Lens with 75˚ cut-off [DSS]	Very Wide Flood [VWFL]	0.96
		Super Wide Flood [SWFL]	0.90

Color Lumen Multipliers

Trim Type	Optic	Color	Multiplier
Round Trimless [RT] and Round Overlap [RO]	Tall Cone with 50˚ cut-off [DNT]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	0.92
		White [WH]	1.09
		Black [BK]	0.46
	Short Cone with 60˚ cut-off [DNS]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	0.96
		White [WH]	1.12
		Black [BK]	0.62
Round Die-Cast Trimless [RDT] -and- Round Die-Cast Overlap [RDO]	Super Short Cone with Solite Lens with 75˚ cut-off [DSS]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	0.97
		White [WH]	1.16
		Black [BK]	0.86

How To Use Lumen Multipliers

Formula:
(Lumen Output Value) x (Color Temperature & CRI) x (Distribution) x (Color)

Example:
LC3-RO-SW-1100L-935K-DNS-FL1-WH
(1100) x (0.81) x (1.17) x (1.12) ≈ 1167lm (estimated delivered lumens)

Multiplier charts are provided to aid with estimation of lumen levels across options. Apply multipliers against ordered Lumen Output to estimate Delivered Lumens. An estimation should make use of all tables through consecutive applicationof three multipliers. Refer to IES files for most accurate photometric information.

BRUCK

Bruck By Ledra Brands Inc. | 88 Maxwell Irvine, CA 92618 | PH: 714.259.9959 FAX: 714.259.9969 | www.brucklighting.com

E8/E9

LM-79

JOB NAME

CONTACT

ORDERING CODE

SKYLINE

Outdoor / Indoor Catenary Fixture IP63

Static White Down & Spot - Zoom

IP Rating

Down **Spot**

ORDERING CODE

SERIES	EXT	exterior
TYPE	SKY-DZ SKY-SZ	skyline - down, zoom skyline - spot, zoom
LED	SW	static white
DELIVERED LUMENS	10LM	780 lm
CCT	27K 30K 35K 40K	2700K 3000K 3500K 4000K
CRI	80 90	80 CRI 90 CRI
LENS OPTION	DZ1	dynamic zoom 10°-60°
VOLTAGE	24	24V
FINISH	BK[1]	black

ORDERING CODE

Follow the steps to specify your fixture, example:
EXT - SKY - DZ - SW - 10LM - 30K - 90 - DZ1 - 24 - BK

SW (LED)	POWER	
DELIVERED LM	W (80/90 CRI)	LPW
780	10	78

NOTES
1. For custom finishes consult factory.

EFFECTIVE PROJECTED AREA RATINGS (EPA)		
SKYLINE CONFIGURATION	EPA (FT2)	WEIGHT - LBS. / OZ.
SKY-DZ	0.05997	0.280 / 4.48
SKY-SZ	0.086	0.325 / 5.20

DESCRIPTION

SKYLINE is a lightweight, highly versatile, and exceptionally elegant catenary system for indoor and outdoor applications. Up to 780 lumens from a 1" aperture cylinder. SKYLINE enables safe, reliable, clutter-free catenary on strong woven Kevlar, self-healing cable with marine grade, hard anodized aluminum fixture housings. Applications are endless, from outdoor gathering spaces to indoor accent lighting for retail and hospitality.

HOUSING

- Hard anodized, marine grade aluminum in matte black.
- Polycarbonate protective IK10 rated.
- Ambient operating temperatures Min. -40°F / Max 131°F.
- IP 63 rated Down and Spot.

MOUNTING

- Twin cable powered suspended catenary system

ELECTRICAL /CONTROLS

- 0-10V and DALI dimmable, see remote drivers for details.
- 24VDC input

LISTING

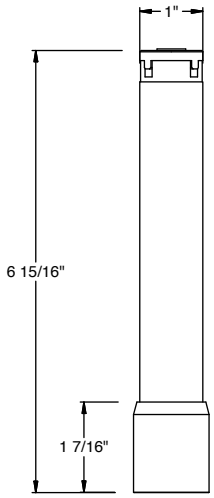
- ETLus listed to UL2108 (suitable for dry, damp and wet locations)
- cETL listed to CSA C22.2 #250.0

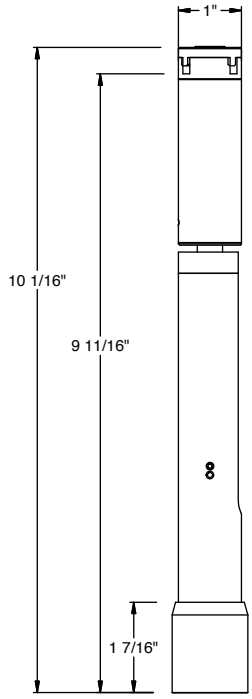
LED INFO

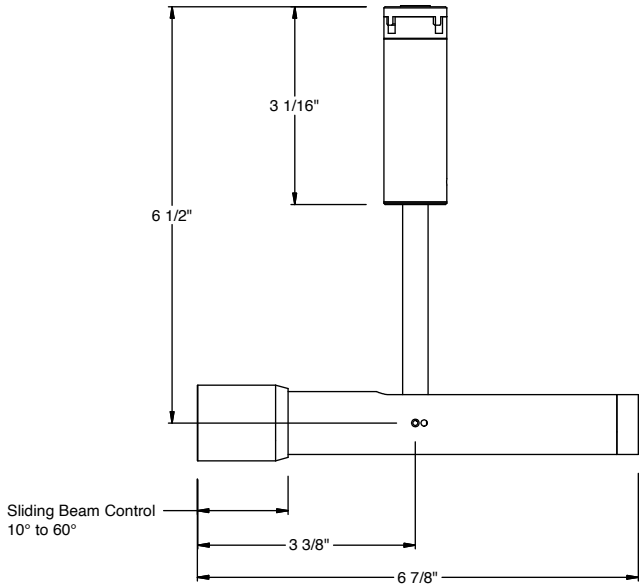
- 90 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 100,000 hrs
- 80 CRI: SDCM = 3-step MacAdam Ellipse, Lumen Maintenance: L_{70} > 100,000 hrs

Bruck By Ledra Brands Inc. | 88 Maxwell Irvine, CA 92618 | PH: 714.259.9959 FAX: 714.259.9969 | www.brucklighting.com

PRODUCT DIMENSIONS

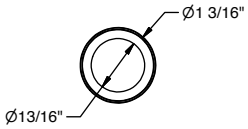






DOWN

EPA - 0.0599 sq. ft
Weight - 0.280 lbs. / 4.48 oz.

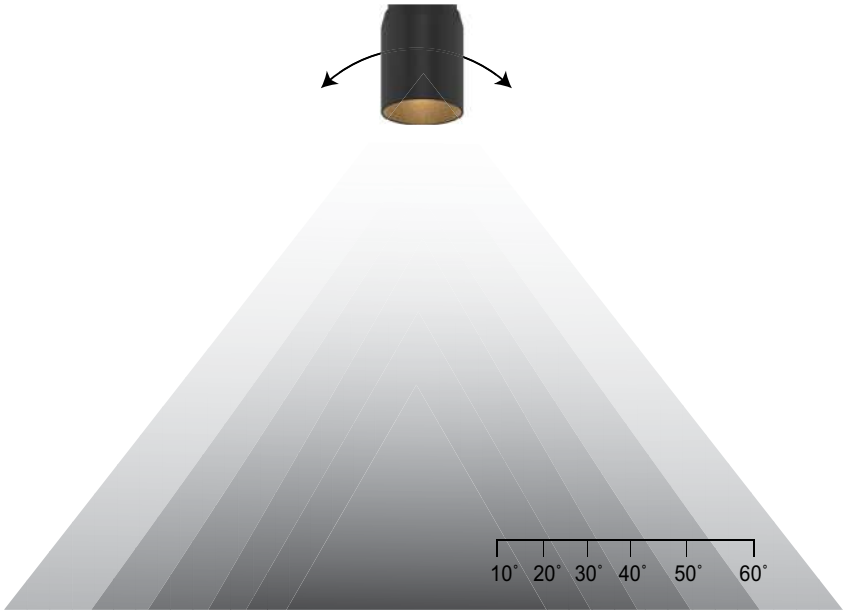


SPOT

EPA - 0.0860 sq. ft
Weight - 0.325 lbs. / 5.20 oz.

BEAM DISTRIBUTION

Dynamic Zoom



E10

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Date: _____ Customer: _____

Project: _____

Type: _____ Qty: _____

Olivio Grande LED
Sistema Arm Mount

Order Code:

	Fixture #	Series	Optics	Mounting	Light Engine	CCT	Finish	Voltage	Options
#1		OLGL							
#2		OLGL							
#3		OLGL							
#4		OLGL							

Pole Order Code:

Series	Height	Finish	Rivnut Pairs	Options	*Rivnut Locations
			RN		

*Refer to chart on page 4 for Rivnut locations

OLGL	Series	**OLGL** Olivio Grande LED					
	Optics	**S09** Spot, 9°	**F40** Flood medium, 44°	**F80** Flood wide, 78°	**ASM** Asymmetric (no SLH or SLV option)		
	Mounting	**SSx** Specify Arm Locations (x = number of luminaires per pole)					
	Light Engine	**2G350** 14W / 1190lm	**2G725** 28W / 2380lm	**2G130** 52W / 4905lm			
	CCT	**27**[1] 2700K	**30**[1] 3000K	**35*** 3500K	**40** 4000K	**50*** 5000K	
	Finish	**WH** White	**BK** Black	**BL** Semi-Matte Black	**BZ** Bronze	**SV** Silver	**SP** Specify Premium Color
	Voltage	**UNV** 120V-277V	**120** 120V	**208** 208V	**240** 240V	**277** 277V	**347** 347V
	Options	**DS**[2] Dark Sky 0° Tilt Option	**DM** Dimming, 0-10V	**HL50**[3,5] High-Low switching Low Output 50%	**SLH** Spread Lens Horizontal (fixed)	**SLV** Spread Lens Vertical (fixed)	**HX**[4] Micro Hexcell Honeycomb Louver
		PC Photocell (consult factory)		**CF** Color Filter (consult factory)			

* Based on F80 distribution and 3000K CCT.

[1] Dark Sky approved with (ds) option only.
* Consult factory

[2] Dark Sky approved with (DS) option only, and 3000K CCT.
[3] Only available with 120V, 240V, or 277V
[4] Cannot be combined with SLH, SLV, or ASM options.
[5] Cannot be combined with DM option

Product Modifications

Please list modification requirements for review by factory:

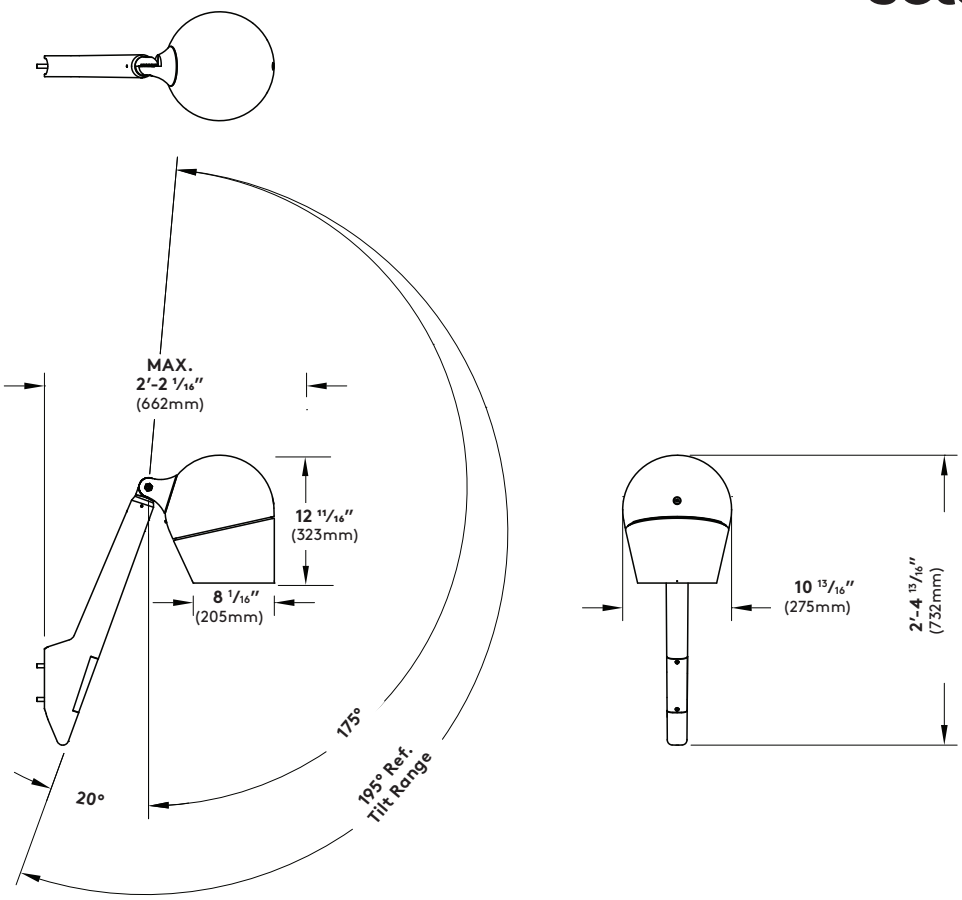
Approvals

Date:

BUY AMERICAN NRTL WET 5 YEAR LED WARRANTY ASTM & PCI FINISH RoHS COMPLIANT IP67

In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

OLGL-SS1



Specifications

1. Luminaire Housing - Two-piece high-pressure die-cast housing, made of low-copper aluminum alloy. Single recessed captive screw allows easy access to light engine & gear tray components.

2. Gasketing - (not shown) UV and ozone-resistant, silicone gasket between fixture housing and lens base provide IP67 level ingress protection. IP rated micro-membrane ensures pressure compensation.

3. Lens - (not shown) Tempered clear glass lens.

4. LED Light Engine - (not shown) made from high flux COB and vacuum metalized aluminum reflectors. Selux is using brand name LED manufacturers. Available in 3000K and 4000K, CRI minimum 80. Reflectors made from high purity aluminum to ensure high efficiencies throughout lifetime. Complete light engine can be removed easily for future upgrade. LED light engine provides a reported lumen maintenance of 84.3% at 60,000 hours.
L70 calculated greater than 60,000 hours.

5. LED Driver - (not shown) Selux uses brand name high efficiency LED drivers. LEDs are driven by RoHS compliant high-efficiency driver. Excellent for cold temperature starting and instant on. Min. operating temperature -40°C/ -40°F.

6. Surge Protector - (not shown) Designed to protect luminaire from electrical surge up to 20kA.

7. Arm – 70 degree cast aluminum mounting arms for flexible pole mounting. Fixture head joint provides tilt-swivel range from 0° to 175°, and 360° rotation. Locks down with set screws.

8. Rivnuts - (not shown) (2) Two rivnuts required per Fixture Arm and installed by manufacturer.

9. Power Cord - (not shown) Pre-installed at factory and hidden through the luminaire hinge and hinge arm. Power cords are specified to fit the length of the pole specified with the luminaire.

Exterior Luminaire Finish -
Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI. Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty -
Selux offers a 5 Year Limited Warranty to the original purchaser that the Olivio LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED Light engine when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Luminaire and LED tested to IP67 and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C ambient temperature.

NRTL Listed for wet location (i.e. UL, CSA)

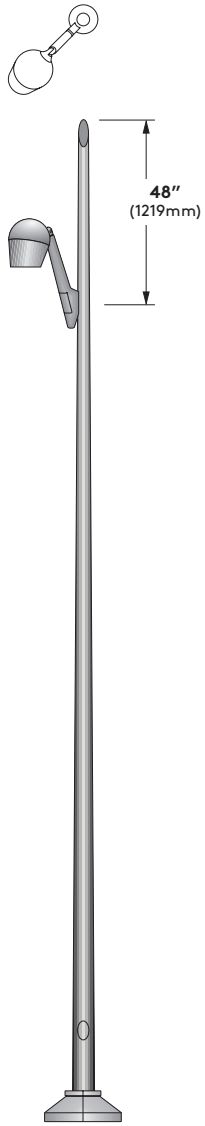
Visit selux.us for our LED End of Life recycling policy.

For Buy American compliance on poles, please consult the factory.

Mounting

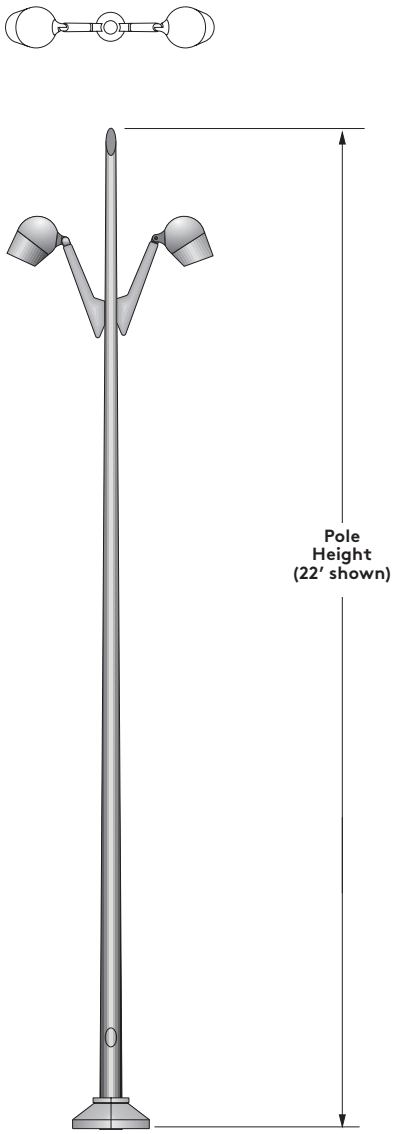
Mounting Details

Single
(Arm Location: 0D)



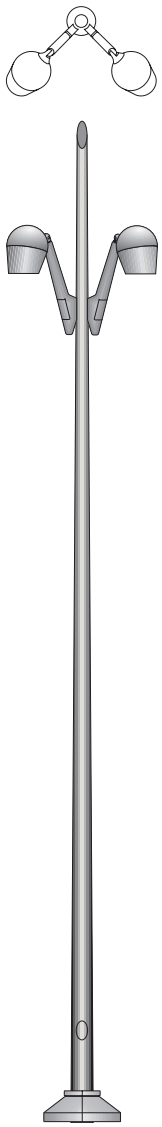
EPA = 1.8 ft^2 (0.167 m^2)
Weight = 35 lbs. (16 kg)
Rivnuts = 1 pair (RN1)

Double at 180°
(Arm Locations: 0G-0S)



EPA = 3.7 ft^2 (0.344 m^2)
Weight = 70 lbs. (32 kg)
Rivnuts = 2 pair (RN2)

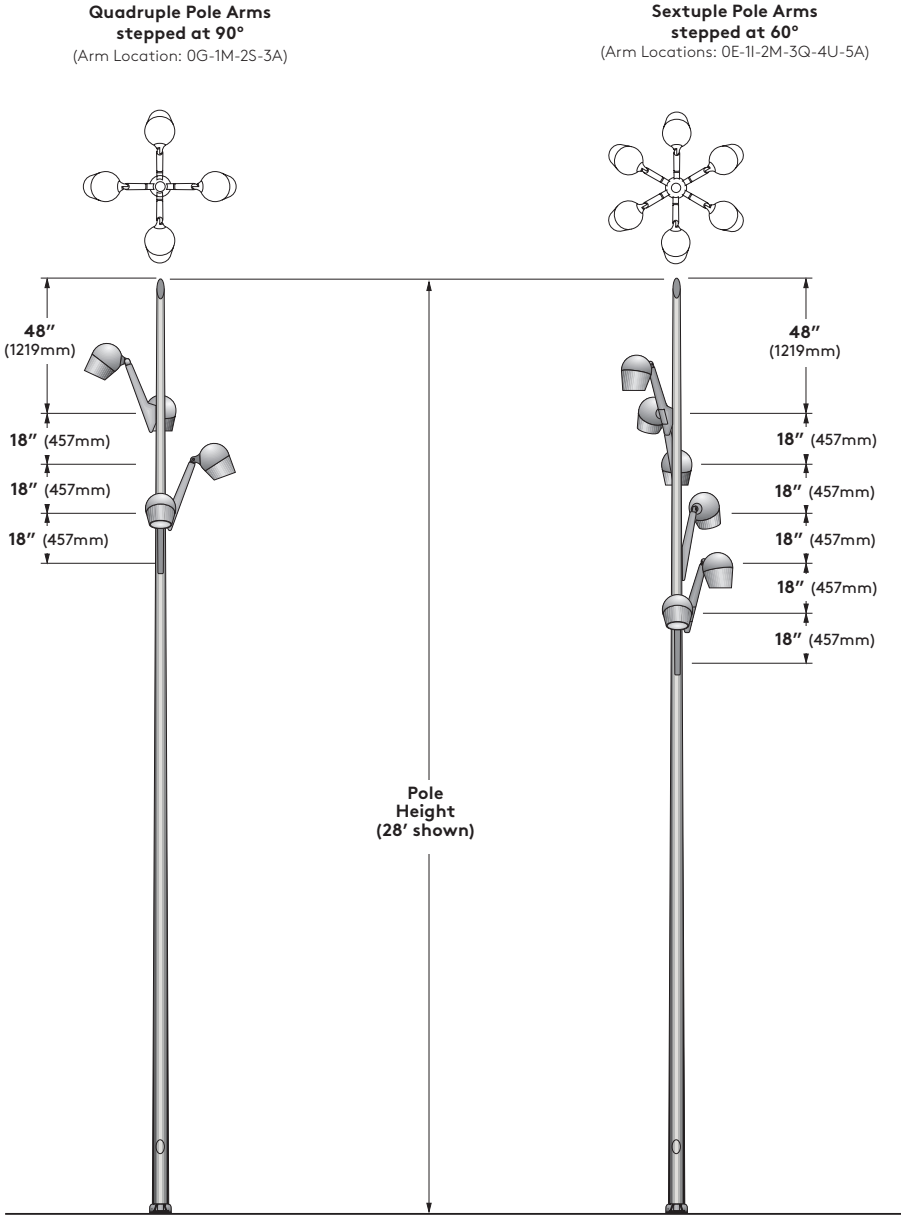
Double at 90°
(Arm Locations: 0D-0V)



EPA = 3.7 ft^2 (0.344 m^2)
Weight = 70 lbs. (32 kg)
Rivnuts = 2 pair (RN2)

Mounting

Mounting Details



EPA = 7.4 ft² (0.687 m²)
Weight = 141 lbs. (64 kg)
Rivnuts = 4 pair (RN4)

EPA = 11.1 ft² (1.03 m²)
Weight = 211 lbs. (96 kg)
Rivnuts = 6 pair (RN6)

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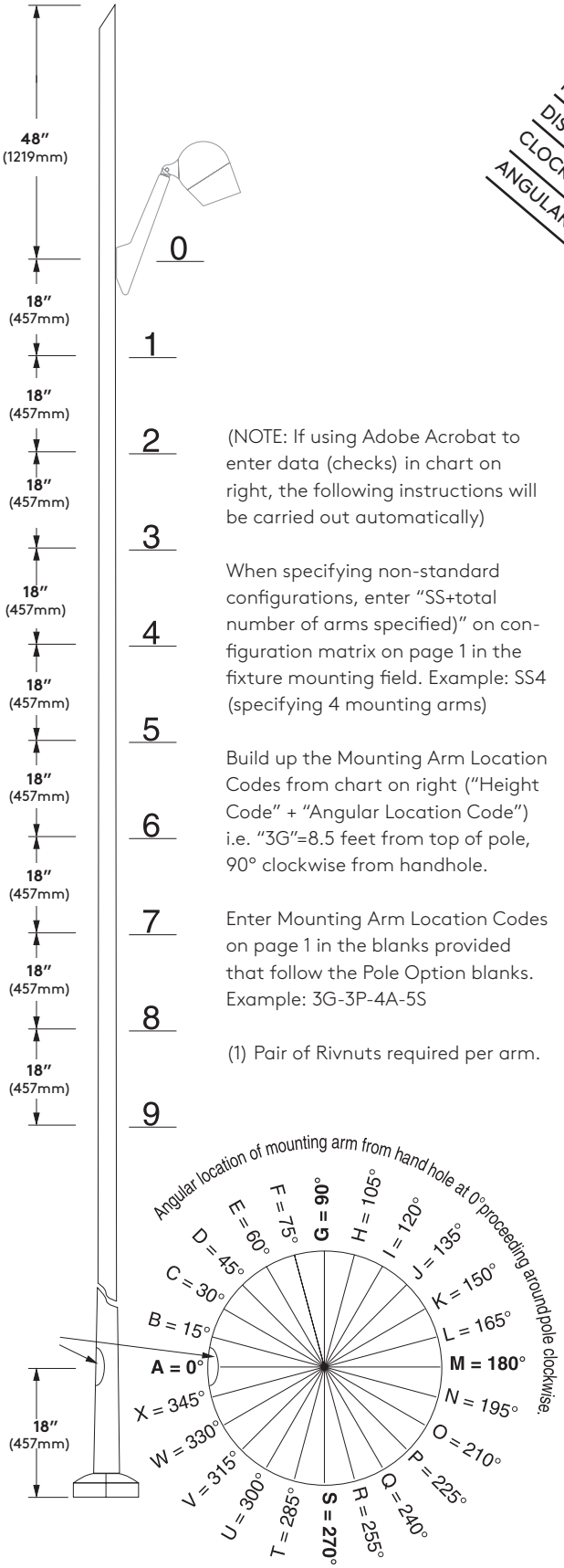
Specify Mounting Configurations

(Luminaire shown for illustrative purposes only - not to scale)



(NOTE: If using Adobe Acrobat to enter data (checks) in chart on right, the following instructions will be carried out automatically)

When specifying non-standard configurations, enter "SS+total number of arms specified)" on configuration matrix on page 1 in the fixture mounting field. Example: SS4 (specifying 4 mounting arms)

Build up the Mounting Arm Location Codes from chart on right ("Height Code" + "Angular Location Code") i.e. "3G"=8.5 feet from top of pole, 90° clockwise from handhole.

Enter Mounting Arm Location Codes on page 1 in the blanks provided that follow the Pole Option blanks. Example: 3G-3P-4A-5S

(1) Pair of Rivnuts required per arm.

Use check boxes provided in chart below. Columns #0 through #9 indicate heights starting at 48″ (1219mm) below top of pole and proceeding downwards in increments of 18 inches (457mm). Rows A through X indicate angular placement around pole starting with 0° at hand hole and proceeding clockwise.

NOTE: Arms mounted at same height level must be spaced apart at 90° minimum. Arms mounted at adjacent height levels (18″apart) must be spaced apart at 45° minimum.

HEIGHT CODE / DISTANCE FROM TOP OF POLE / CLOCKWISE FROM HAND HOLE / ANGULAR LOCATION CODE		0	1	2	3	4	5	6	7	8	9
		4′	5.5′	7′	8.5′	10′	11.5′	13′	14.5′	16′	17.5′
A	0°										
B	15°										
C	30°										
D	45°										
E	60°										
F	75°										
G	90°										
H	105°										
I	120°										
J	135°										
K	150°										
L	165°										
M	180°										
N	195°										
O	210°										
P	225°										
Q	240°										
R	255°										
S	270°										
T	285°										
U	300°										
V	315°										
W	330°										
X	345°										

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Pole Information

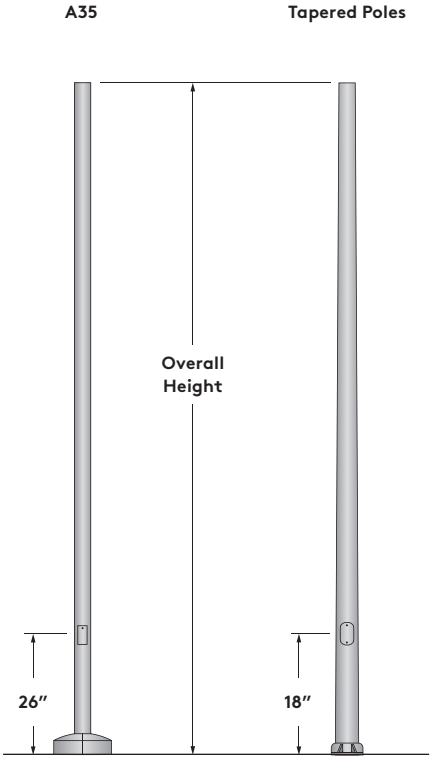
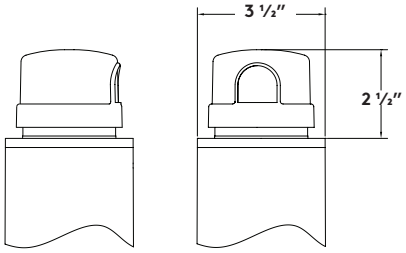


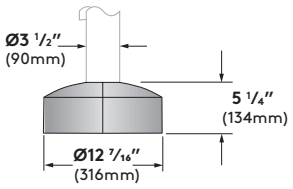
Photo Cell (PC) - Consult factory. Twist lock photocell mounted to aluminum cap which attaches to pole top or can be remotely located. Can be oriented for optimum performance. Only for flat top poles. Refer to fixture spec sheet to determine if this option is applicable.



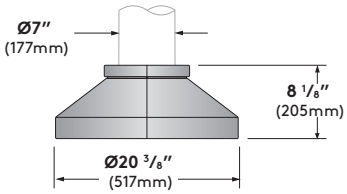
Optional Base Covers

Die cast aluminum, two piece field installable base covers

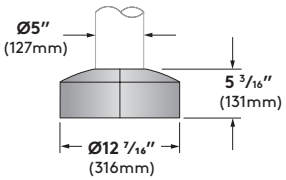
Straight Poles (O-A35-197)
BC5 Standard Base Cover
Two-piece die cast aluminum



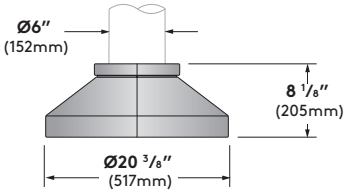
BC10 - Available for:
O-AT74-156



BC3 - Available for:
O-AT535-156
O-AT535-188



BC9 - Available for:
O-AT64-156



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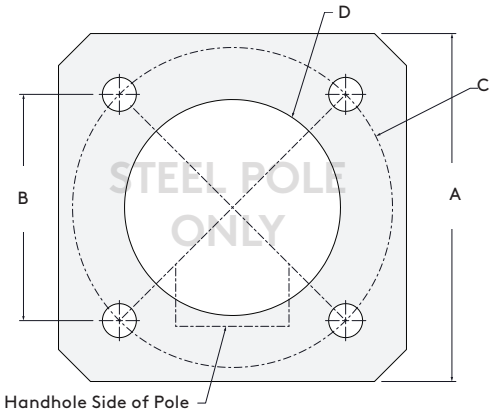
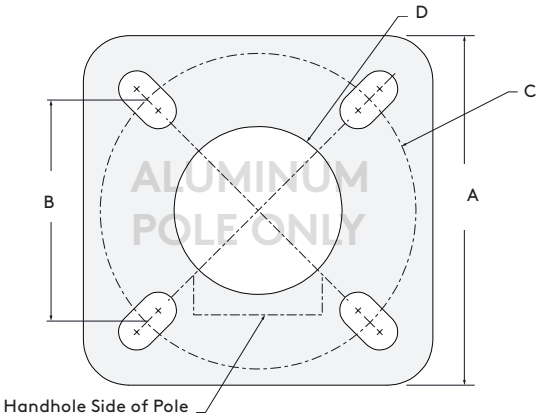
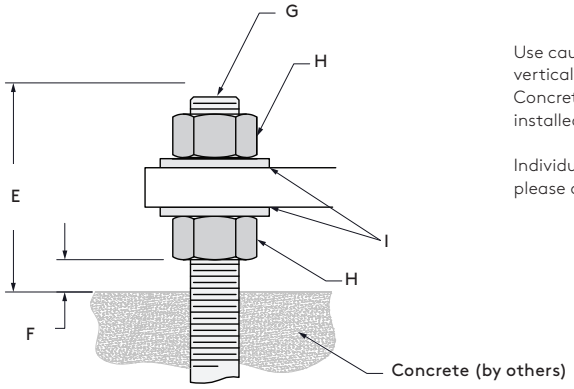
Mounting Plate Detail





Mounting Plate Details	A Base Plate SQ	B Bolt Spacing SQ	C Base Circle Ø	D Conduit Opening Ø
O-A35-197 3.5" Round Straight Alum Pole	8" (203mm)	5 1/2" (139mm)	7 3/4" (197mm)	3" (76mm)
O-AT106-188 10"to 6" Round Tapered Alum Pole	13 3/16" (335mm)	10 1/16" (256mm)	14 1/4" (362mm)	Ø 9 5/8" (244mm)
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	9 5/8" (244mm)	6 1/8" (155mm)	8 5/8" (219mm)	4 5/8" (117mm)
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	9 5/8" (244mm)	6 1/8" (155mm)	8 5/8" (219mm)	4 5/8" (117mm)
O-AT64-156 6"-4" Round Tapered Alum Pole	10 5/16" (262mm)	6 3/4" (172mm)	9 1/2" (241mm)	5 1/2" (140mm)
O-AT74-156 7"-4" Round Tapered Alum Pole	11 1/4" (286mm)	7 1/2" (190mm)	10 9/16" (268mm)	6" (152mm)
O-AT845-188 8"-4.5" Round Tapered Alum Pole	12 1/16" (306mm)	8 1/4" (209mm)	11 5/8" (295mm)	7 1/2" (191mm)
O-AT845-250 8"-4.5" Round Tapered Alum Pole	12 1/16" (306mm)	8 1/4" (209mm)	11 5/8" (295mm)	7 1/2" (191mm)
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	10" (254mm)	6 3/8" (162mm)	9" (229mm)	5 5/8" (143mm)

Anchor Bolt Detail



Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimension shown. Concrete footing and feed conduit to be designed and installed by others.

Individual 1:1 scale drawings for installation available, please consult factory.

All Hardware is Galvanized

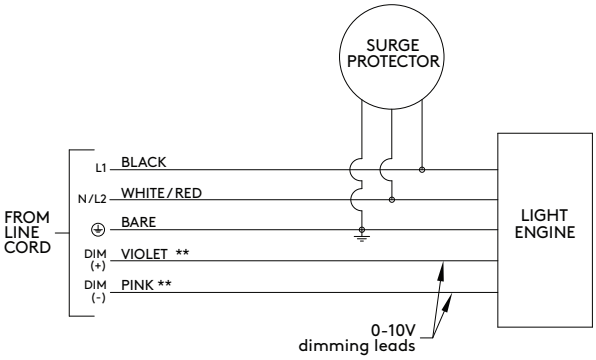
Anchor Bolt Details	E Bolt Projection	F For Leveling	G Anchor Bolt	H Heavy Hex Nut	I Flat Washer
O-A35-197 3.5" Round Straight Alum Pole	3 1/4" (82mm)	1/2" (13mm)	3/4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID
O-AT106-188 10"to 6" Round Tapered Alum Pole	4 3/4" (121mm)	15/16" (24mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	3 1/4" (82mm)	1/2" (13mm)	3/4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	3 1/4" (82mm)	1/2" (13mm)	3/4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID
O-AT64-156 6"-4" Round Tapered Alum Pole	3 1/2" (89mm)	1/2" (13mm)	3/4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID
O-AT74-156 7"-4" Round Tapered Alum Pole	4 1/8" (105mm)	1/2" (13mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID
O-AT845-188 8"-4.5" Round Tapered Alum Pole	4 1/8" (105mm)	1/2" (13mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID
O-AT845-250 8"-4.5" Round Tapered Alum Pole	4 1/8" (105mm)	1/2" (13mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	4 1/8" (105mm)	1/2" (13mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID

In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Specification sheets found at www.selux.us are the most recent versions and supercede all other printed or electronic versions.

Wiring Diagrams

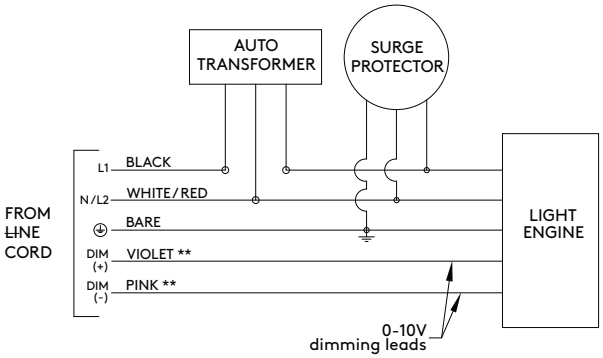
Standard Wiring (120V-277V)

**When dimming is not required cap dimming wires.



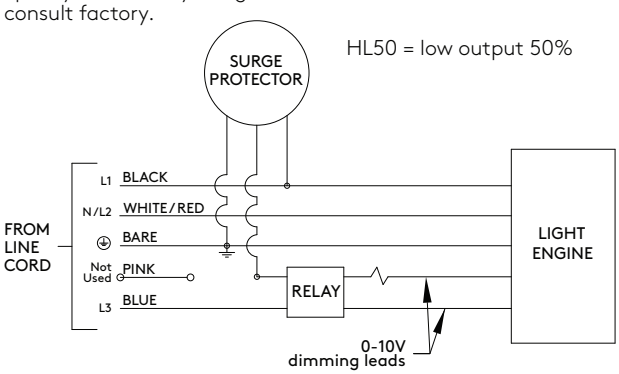
Standard Wiring (347/480V with Step-down Transformer)

**When dimming is not required cap dimming wires.



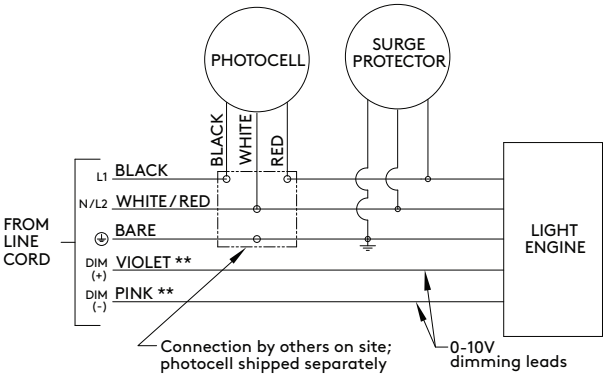
Hi-Lo Switching Option (HL) Wiring HL50 Only

120V, 240V, 277V. When blue is energized, light output will be at "Lo" level. Specify low-level by using the level listed below. For other combinations, consult factory.



Photocell Option (PC) Wiring

**When dimming is not required cap dimming wires.

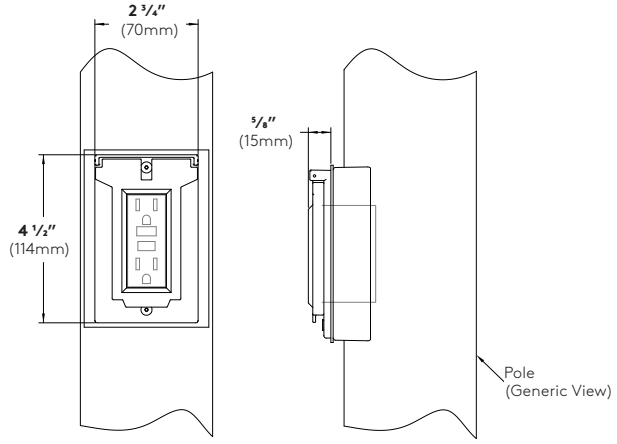


Wire Designation Table		
Source Voltage (VAC)	**Wire Color**	**Wire Designation**
120V, 277V, or 347V	Black	L1
	White	Neutral
208V, 240V, or 480V	Black	L1
	Red	L2
UNV (120V-277V)	Black	L1
	White	Neutral (120/277V) or L2 (208/240V)

Optional Accessories

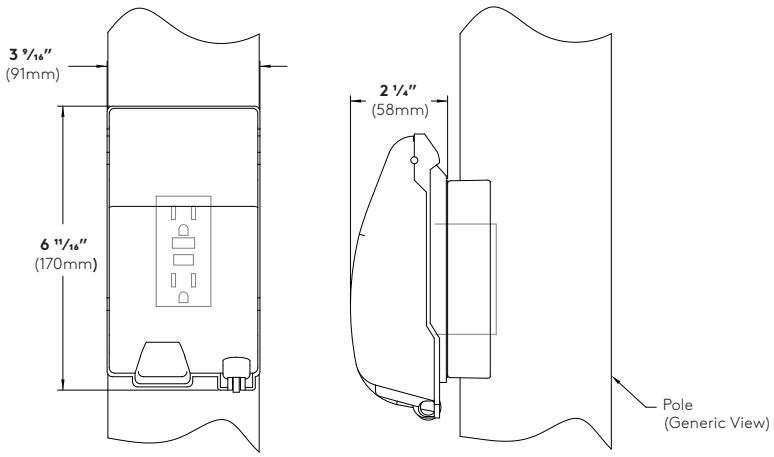
Dark Sky 0° Tilt Option (DS) -Luminaire head tilt angle preset and fixed at factory to comply with IDA Dark Sky and BUG U0 ratings. IDA Dark Sky compliant with 3000K CCT only.

REC and REC3



Cover shown in the closed position

REC2 and REC4



Cover shown in the closed position

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 18" (457mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

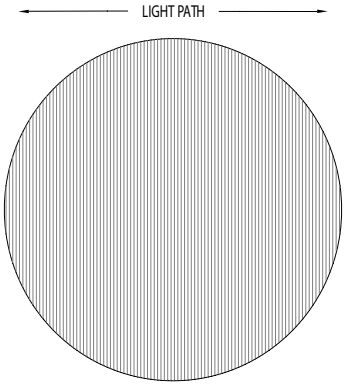
REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

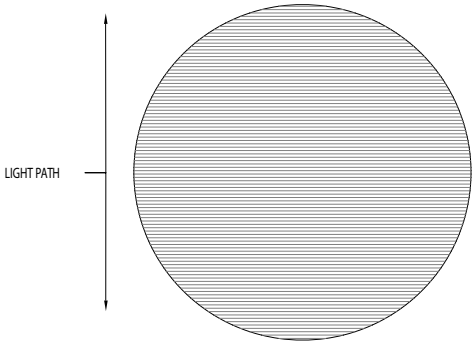
USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 18" (457mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

Horizontal Spread Lens (SLH) - Spread lens for horizontal light distribution. Replaces clear lens and intended to be used with reflectors for S09, F40 or F80 distribution. Preset and fixed at factory.



Vertical Spread Lens (SLV) - Spread lens for vertical light distribution. Replaces clear lens and intended to be used with reflectors for S09, F40 or F80 distribution. Preset and fixed at factory.



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Pole Data Chart

Pole Series	Wall	EPA Information				Height
		80mph	90mph	100mph	110mph	
O-AT35-197 3.5" Straight Alum Pole	0.197	7.3	5.4	4	3.1	**12** 12 ft.
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	14.4	10.9	8.6	6.9	
O-A35-197 3.5" Round Straight Alum Pole	0.197	5.8	4.2	3.0	2.2	**14** 14 ft.
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	9.4	7.1	5.5	4.4	
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	7.7	5.6	4.2	3.3	**16** 16 ft.
O-AT64-156 6"-4" Round Tapered Alum Pole	0.156	14.1	10.8	8.6	7.0	
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	11 ga	19.3	15.1	12.2	10.0	
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	0.188	7.8	5.6	4.2	3.2	**18** 18 ft.
O-AT64-156 6"-4" Round Tapered Alum Pole	0.156	11.5	8.7	6.9	5.5	
O-AT74-156 7"-4" Round Tapered Alum Pole	0.156	17.2	13.3	10.6	8.6	
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	0.188	6.4	4.5	3.2	2.4	**20** 20 ft.
O-AT64-156 6"-4" Round Tapered Alum Pole	0.156	9.6	7.1	5.6	4.4	
O-AT74-156 7"-4" Round Tapered Alum Pole	0.156	15.0	11.4	9.0	7.3	
O-AT74-156 7"-4" Round Tapered Alum Pole	0.156	12.4	9.3	7.2	5.8	**22** 22 ft.
O-AT845-188 8"-4.5" Round Tapered Alum Pole	0.188	22.4	17.3	13.8	11.2	
O-AT74-156 7"-4" Round Tapered Alum Pole	0.156	10.3	7.6	5.8	4.6	**24** 24 ft.
O-AT845-188 8"-4.5" Round Tapered Alum Pole	0.188	19.2	14.7	11.7	9.4	
O-AT74-156 7"-4" Round Tapered Alum Pole	0.156	8.4	6.0	4.5	3.5	**26** 26 ft.
O-AT845-188 8"-4.5" Round Tapered Alum Pole	0.188	16.4	12.6	9.9	7.9	
O-AT845-250 8"-4.5" Round Tapered Alum Pole	0.25	20.6	15.8	12.5	10.1	**28** 28 ft.
O-AT106-188 10"to 6" Round Tapered Alum Pole	0.188	26.4	20.4	16.2	12.9	
O-AT106-188 10"to 6" Round Tapered Alum Pole	0.188	20.0	15.3	11.7	9.2	**30** 30 ft.
O-AT106-188 10"to 6" Round Tapered Alum Pole	0.188	15.9	12.0	9.1	6.8	**35** 35 ft.
O-AT106-188 10"to 6" Round Tapered Alum Pole	0.188	14.2	10.5	7.8	5.8	**39** 39 ft.

Finish

- **WH** White
- **BK** Black
- **BL** Semi-Matte Black
- **BZ** Bronze
- **SV** Silver
- **SP** Specify Premium Color

Rivnut Pairs

- **RN1** 1 Pair
- **RN2** 2 Pair
- **RN3** 3 Pair
- **RN4** 4 Pair
- **RN5** 5 Pair
- **RN6** 6 Pair
- **RN7** 7 Pair
- **RN8** 8 Pair

Options

- **BC1** Decorative Cast Aluminum Base Cover (see base cover details for pole compatibility)
- **BC3** Die-cast Two-piece Alum. Base cover (see base cover details for pole compatibility)
- **BC5** Die-cast Two-piece Alum. Base cover (see base cover details for pole compatibility)
- **BC9** Die-cast Two-piece Alum. Base cover (see base cover details for pole compatibility)
- **BC10** Die-cast Two-piece Alum. Base cover (see base cover details for pole compatibility)
- **REC** GFCI Receptacle with weather-proof cover
- **REC2** GFCI Receptacle with padlockable in-use cover
- **REC3** USB & Duplex Receptacle w/ weather-proof cover
- **REC4** USB & Duplex Receptacle with weather-proof padlockable in-use cover
- **PC** Photocell (Please consult factory; must be flat-top pole; also specify with luminaire)

* Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory

EPA values are calculated according to AASHTO 1994 with a 1.3 gust factor. Poles are calculated for an even distributed weight load of 200 lbs weight maximum. If the majority of the load is unevenly distributed, please consult factory for project specific EPA calculations

(1) Pair of Rivnuts is required for every mounting arm in pole mount applications. Rivnut codes are denoted in pairs (1 pair Rivnuts = RN1, 2 pair Rivnuts = RN2, 3 pair Rivnuts = RN3, etc) and must be specified for all pole mount configurations.

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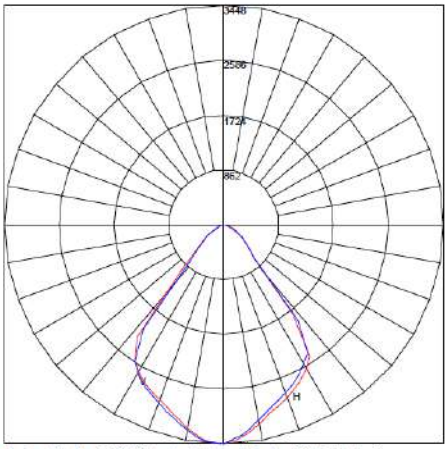
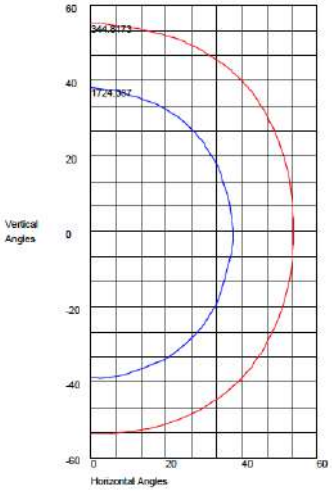
Photometry

F80 / 52W LED / 3000K CCT

Catalog #: OLGL-F80-X-2G130-30
Delivered Lumens: 4905
Input Watts: 52W
Maximum candela of 3448.1
Maximum candela angle: 0H-0V
NEMA Classification: 6H x 6V
Power Factor: 0.993



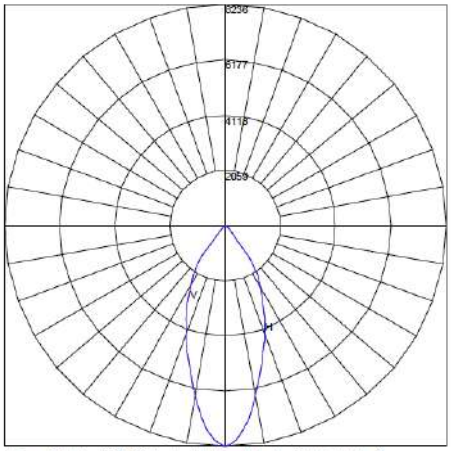
Maximum Candela = 3448.173 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela



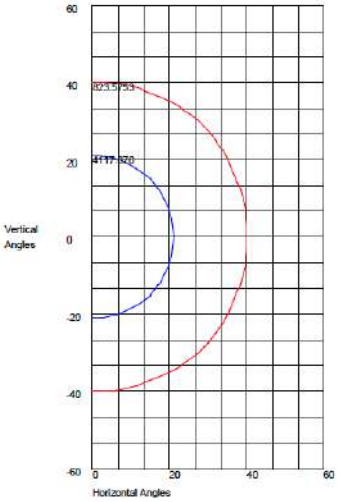
Maximum Candela = 3448.173 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 1724.0865
10% Maximum Candela = 344.8173

F40 / 52W LED / 3000K CCT

Catalog #: OLGL-F40-X-2G130-30
Delivered Lumens: 5052
Input Watts: 52W
Maximum candela of 8235.7
Maximum candela angle: 0H x 0V
NEMA Classification: 5H x 5V
Power Factor: 0.993



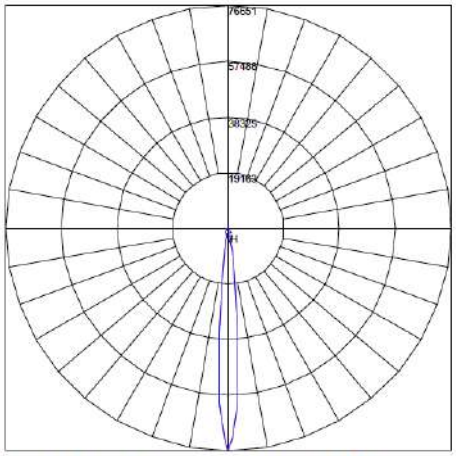
Maximum Candela = 8235.753 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela



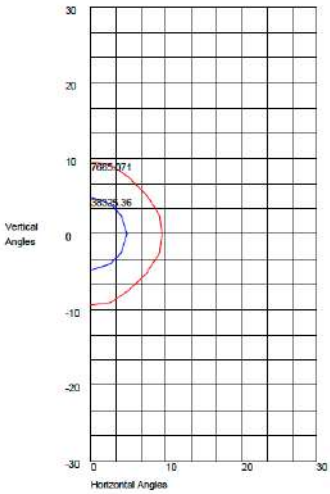
Maximum Candela = 8235.753 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 4117.8765
10% Maximum Candela = 823.5753

S09 / 52W LED / 3000K CCT

Catalog #: OLGL-S09-X-2G130-30
Delivered Lumens: 5071
Input Watts: 52W
Maximum candela of 76650.7
Maximum candela angle: 0H x 0V
NEMA Classification: 1H x 1V
Power Factor: 0.993



Maximum Candela = 76650.712 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

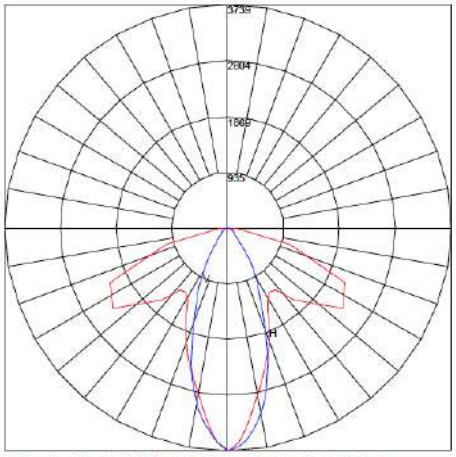


Maximum Candela = 76650.712 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 38325.356
10% Maximum Candela = 7665.0712

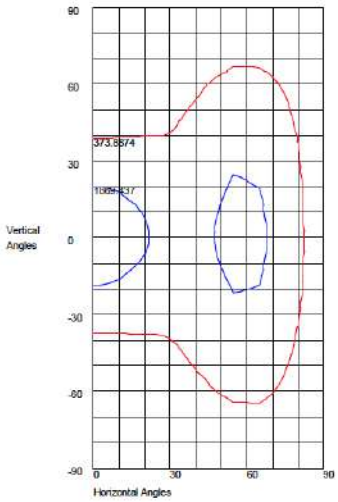
Photometry

ASM / 52W LED / 3000K CCT

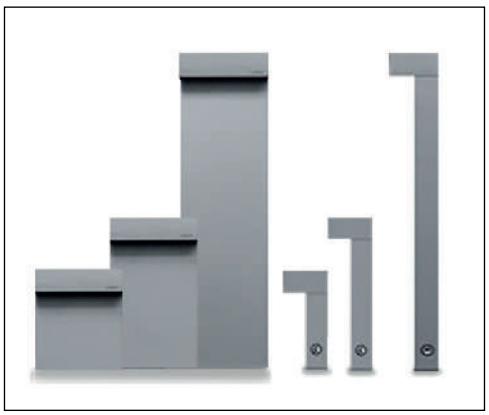
Catalog #: OLGL-ASM-X-2G130-30
Delivered Lumens: 4574
Input Watts: 52W
Maximum candela of 3738.8
Maximum candela angle: 0H x 0V
NEMA Classification: 7H x 5V
Power Factor: 0.993



Maximum Candela = 3738.874 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela



Maximum Candela = 3738.874 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 1869.437
10% Maximum Candela = 373.8874



Ground mounted bollard suitable for walkways and paths, being a valid alternative to a wall mounted illumination.

E11

Luminaire characteristics:	**Power input:** 12.5W to 48W **Lumens:** 333lm to 936lm (for 3000K, 90CRI) **Luminaire efficacy:** Up to 26lm/W
Source:	LED module (LM-80 tested) 2700K: 90CRI, 3000K: 90CRI, 4000K: 80CRI.
Lumen maintenance:	80% of initial lumens at 70 000 hours (L70)(LM80).
Optics:	Accent light. Diffuser: Toughened glass.
Mounting:	Install with flange accessory or fasten to ground.
Electrical:	High efficiency electronic LED driver, rated at 50 000 hours, 120-277V.
Dimming:	0-10V (120-277V), down to 15%.
Finish:	White, aluminum gray, burnished bronze or anthracite gray painted finish, following a double powder paint in 3 step process:surface treatment containing ceramic nano particles (Bonderite). Epoxy primer paint. Polyester powder paint with high resistance against UV rays and harsh weather conditions. White and burnished bronze available with teak wood accent.
Weight:	Mini look bollard: SL9206: 6.21lb (2.82kg) SL9211: 12.7lb (5.76kg) S7206: 3.3lb (1.5kg) S7211: 7.94lb (3.6kg) Mini look bollard double: S7215: 3.3lb (1.5kg) S7220: 7.94lb (3.6kg) Look bollard: S7260: 10.4lb (4.7kg) S7261: 15.4lb (7kg) S7262: 20.3lb (9.2kg) Look bollard double: S7265: 12lb (5.5kg) S7266: 17lb (7.7kg) S7267: 22lb (9.9kg)
Warranty:	5 year limited warranty.
Ratings:	IP65, IK06
Certification:	cULus listed for wet location

ORDERING INFO

- UNV -
FIXTURE

RESET INFO

MODEL

Mini look bollard
- ☐ **S7206 -** 220mm
- ☐ **S7211 -** 580mm
- ☐ **SL9206 -** 220mm wood
- ☐ **SL9211 -** 580mm wood

Mini look bollard double
- ☐ **S7215 -** 220mm
- ☐ **S7220 -** 580mm

Look bollard
- ☐ **S7260 -** 290mm
- ☐ **S7261 -** 580mm
- ☐ **S7262 -** 870mm

Look bollard double
- ☐ **S7265 -** 290mm
- ☐ **S7266 -** 580mm
- ☐ **S7267 -** 870mm

LED

- ☐ **H -** 2700K, 90CRI
- ☐ **W -** 3000K, 90CRI
- ☐ **N -** 4000K, 80CRI

VOLTAGE

- ■ **UNV -** 120-277V

FINISH

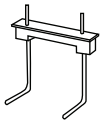
- ☐ **01 -** White
- ☐ **14 -** Aluminum gray
- ☐ **20 -** Burnished bronze
- ☐ **24 -** Anthracite gray

DIMMING

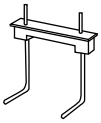
- ☐ **ND -** No dimming
- ☐ **D10 -** 0-10V

ACCESSORIES
(TO BE ORDERED SEPARATELY)

☐ **S7249-** Flange for Minilook with stainless steel screws
8½" x 9¼" (217mm x 235mm)

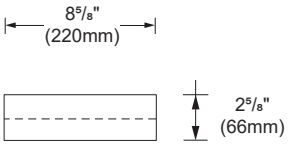


☐ **S7269 -** Flange for Look with stainless steel screws
11⅜" x 9⅛" (290mm x 231mm)

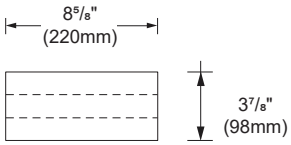


DIMENSIONS

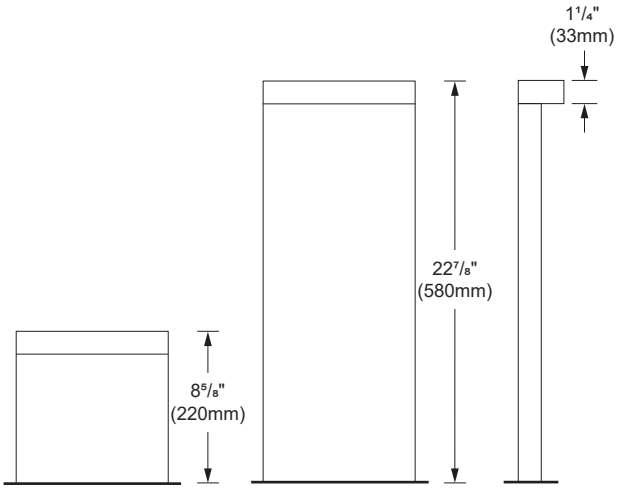
MINI LOOK BOLLARD **S7206 / S7211 / SL9206 / SL9211**	MINI LOOK BOLLARD DOUBLE **S7215 / S7220**



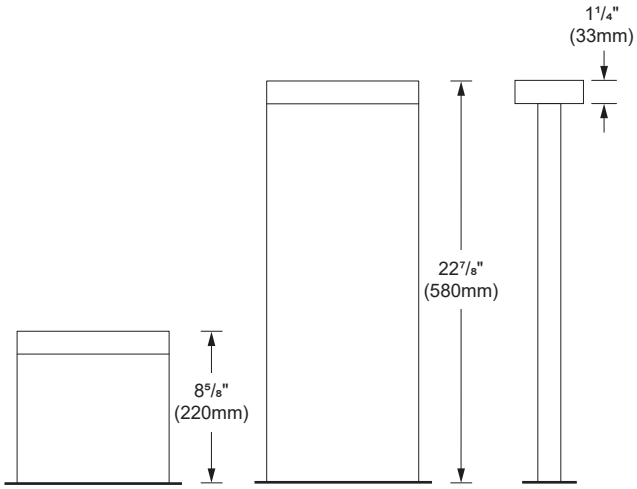
TOP VIEW



TOP VIEW

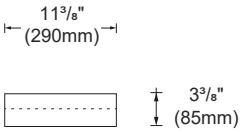


FRONT VIEW **SIDE VIEW**

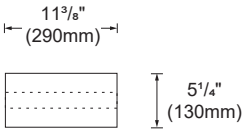


FRONT VIEW **SIDE VIEW**

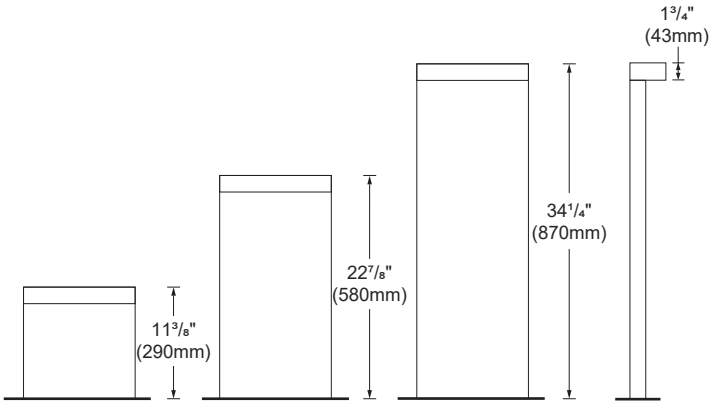
LOOK BOLLARD **S7260 / S7261 / S7262**	LOOK BOLLARD DOUBLE **S7265 / S7266 / S7267**



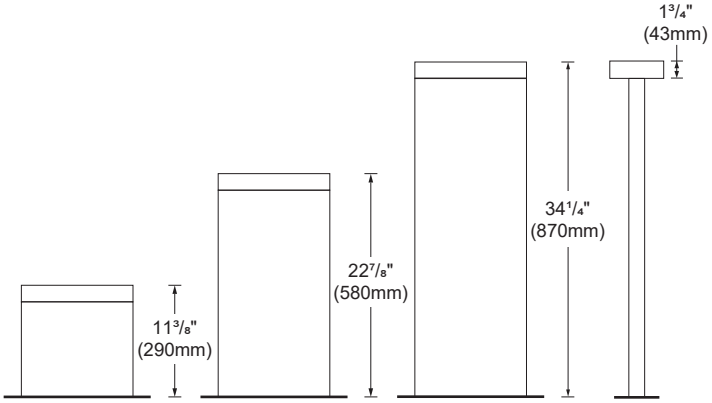
TOP VIEW



TOP VIEW



FRONT VIEW **SIDE VIEW**



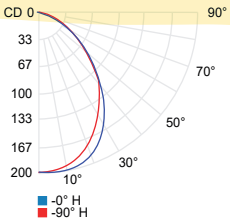
FRONT VIEW **SIDE VIEW**

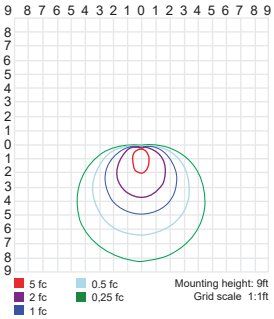
PHOTOMETRIC DATA

Visit sistemalux.com for complete photometric data.

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	12.5W	Accent light	334	26	191	SL9206W - 220mm
							SL9211W - 580mm
							S7206W - 220mm
							S7211W - 580mm
		25W		333	13	191	S7215W - 220mm
							S7220W - 580mm

Accent light (3000K, 90CRI)





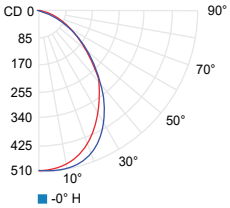
CCT options	2700K	3000K	4000K
CRI options	90CRI	90CRI	80CRI
Multiplier	**0.94**	**1**	**1.08**

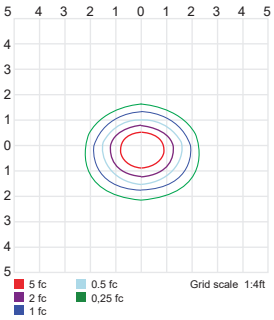
PHOTOMETRIC DATA

Visit sistemalux.com for complete photometric data.

CCT (K)	CRI	LOAD (W)	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	90	24W	Accent light	936	24	509	S7260W - 290mm S7261W - 580mm S7262W - 870mm
3000K	90	48W		936	19	509	S7265W - 290mm S7266W - 580mm S7267W - 870mm

Accent light (3000K, 90 CRI)





CCT options	2700K	3000K	4000K
CRI options	90CRI	90CRI	80CRI
Multiplier	**0.94**	**1**	**1.08**

Light Up Orbit

Flush mounted

Collection of compact exterior luminaires for architectural lighting. Rugged stainless steel construction, with tempered glass lens, these luminaires are designed to perform in extreme conditions. This serie is available in 3 sizes, that can be installed for all in-ground application. Complete range of optic distributions for accent lighting, effects lighting and markers.

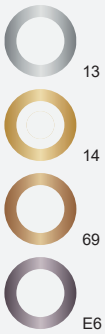
Luminaire characteristics:	**Power input:** 1W to 5.5W (fixture wattage) **Lumens:** 7lm to 541lm (for 3000K, 80CRI) **Luminaire efficacy:** Up to 106lm/W
Source:	LUXEON LED module (LM-80) 2700K: 80CRI, 3000K: 80CRI, 3500K: 80CRI, 4000K: 80CRI.
Lumen maintenance:	ILUF28: 90% of initial lumens at 100 000 hours (L90) ILUF50: 80% of initial lumens at 99 000 hours (L80) ILUF80: 80% of initial lumens at 99 000 hours (L80)
Optics:	Spot, medium, flood, wide flood with Opti Beam technology (comfort versions delivered with an integrated hex cell louver). Wall washer, diffuse, elliptical or light blade.
Material:	Body and frame : AISI 304 stainless steel Diffuser: 6 to 8 mm extra-clear or opal sodium-calcium tempered glass. Optics: PMMA lens or PE film for diffuse optic, clear, black or metalized polycarbonate reflector
Mounting:	Ground recessed installation using polypropylene back box with AISI 304 stainless steel ring (to be ordered separately). Supplied with 6ft (1.8m) long outdoor rated power cable. 12" of gravel is required below the luminaire to allow proper drainage.
Electrical:	High efficiency LED driver, rated at 50 000 hours. See remote LED driver options on page 3-9.
Finish:	Stainless steel, gold/brass, bronze and burnished chrome.
Weight:	ILUF28: 0.42lb (0.19kg) ILUF50: 1.30lb (0.59kg) ILUF80: 3.15lb (1.43kg)
Load capacity:	4 409lb (2 000kg)
Glass surface temperature:	104°F (40°C)
Operating temperature:	ILUF28: -13 to 95°F (-25 to 35°C) ILUF50: -13 to 122°F (-25 to 50°C) ILUF80: -4 to 95°F (-20 to 35°C)
Warranty:	5 year limited warranty
Ratings:	ILUF28: IK09, IP66, IP68* ILUF50: IK07, IP66, IP68* ILUF80: IK09, IP66, IP68* * Complete immersion for 10 minutes, not suitable for use in swimming pools or fountains.
Certification:	cULus listed for wet location.

ORDERING INFO

-REM

PRODUCT CODE

MODEL	OUTPUT	LED	OPTIC	VOLTAGE	FINISH
28 1" (28mm)	**BO** Base output	**827** 2700K, 80CRI	**BL** [2 3] Light blade	**REM** Remote	**13** Stainless steel
50 2" (50mm)	**MO** [1 2] Medium output	**830** 3000K, 80CRI	**SP** [1 2 4] Spot - 28mm (14°) - 50mm (8°) - 80mm (8°)		**14** Gold / brass
80 3" (80mm)	**HO** [1] High output	**835** 3500K, 80CRI	**SH** [1 2] Spot Comfort - 50mm (8°) - 80mm (8°)		**69** Bronze
		840 4000K, 80CRI	**MD** [3 4] Medium - 28mm (22°) - 50mm (24°)		**E6** Burnished chrome
			MH [3] Medium Comfort - 50mm (24°)		
			FL [2] Flood - 80mm (30°)		
			FH [2] Flood comfort - 80mm (28°)		
			WF [2 3] Wide flood - 50mm (42°) - 80mm (50°)		
			WH [2 3] Wide flood comfort - 50mm (40°) - 80mm (42°)		
			EL [1 2] Elliptical - 50mm (68°/12°) - 80mm (78°/10°)		
			DI [1 2 4] Diffuse		
			WW [1 2] Wall washer		



Select remote driver on page 3

1 Available for **50** model.
2 Available for **80** model.
3 Available for **50** model with base output (**BO**).
4 Available for **28** model.
* Back box outer ring finish will match the fixture body finish.

MOUNTING ACCESSORIES
(TO BE ORDERED SEPARATELY)

☐ **IX489-XX -** Polypropylene recessed back box for in-ground installation for **ILUF28** Ø5 5/16" x 4 5/16" (Ø135 x 109mm)

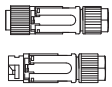
☐ **IX490-XX -** Polypropylene recessed back box for in-ground installation for **ILUF50** Ø6 1/2" x 4 15/16" (Ø165 x 125mm)

☐ **IX491-XX -** Polypropylene recessed back box for in-ground installation for **ILUF80** Ø7 5/16" x 4 3/4" (Ø186 x 120mm)

☐ **9583 -** Suction cup for fixture removal

WATERPROOF IP68 FIELD CONNECTOR
For 0.25" - 0.375" (5-9.5mm) cable, 2x 16-24 AWG conductors

☐ **9015-9016-KIT -** Female and male connector.



WIRING ACCESSORIES
(TO BE ORDERED SEPARATELY)

☐ **9581-02 -** Black watertight connectors (x4), rated IP68

REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

-REM
PRODUCT CODE

Outdoor rated drivers

Driver box model	Min-max units								
	ILUF28	ILUF50				ILUF80			
	BO (1W*) SP, FL, DI	BO (1W*) BL, SP, SH, EL, DI, WW	BO (3.8W*) MD, MH, WF, WH	MO (1.4W*) SP, SH, EL, DI	HO (2W*) SP, SH, EL, DI	BO (2.9W / 3W*) BL, WW	BO (3.8W*) SP, SH, FL, FH, WF, WH, EL, DI	MO (4.2W*) BL, WW	MO (5.5W*) SP, SH, FL, FH, WF, WH, EL, DI
4548-0350-006-120-D10	2-5	2-5							
4548-0350-012-120-LTE	3-10	3-10	1-2			1-3	1-2		
4549-0350-019-UNV-ED10	1-17	1-17	1-4			1-5	1-4		
4549-0350-019-UNV-SD10	1-17	1-17	1-4			1-5	1-4		
4548-0500-020-UNV-D10				6-12				2-4	2-3
4548-0500-025-120-LTE				6-15				2-5	2-4
4549-0500-027-UNV-ED10				1-17				1-5	1-4
4549-0500-027-UNV-SD10				1-17				1-5	1-4
4548-0700-004-120-LTE					1				
4548-0700-007-UNV-D10					2-3				
4548-0700-020-UNV-D10					4-8				
4549-0700-030-UNV-ED10					1-12				
4549-0700-030-UNV-SD10					1-12				

Indoor rated drivers

Driver box model	Min-max units								
	ILUF28	ILUF50				ILUF80			
	BO (1W*) SP, FL, DI	BO (1W*) BL, SP, SH, EL, DI, WW	BO (3.8W*) MD, MH, WF, WH	MO (1.4W*) SP, SH, EL, DI	HO (2W*) SP, SH, EL, DI	BO (2.9W / 3W*) BL, WW	BO (3.8W*) SP, SH, FL, FH, WF, WH, EL, DI	MO (4.2W*) BL, WW	MO (5.5W*) SP, SH, FL, FH, WF, WH, EL, DI
4444-0350-006-120-D10	2-5	2-5							
4444-0350-012-120-LTE	3-10	3-10	1-2			1-3	1-2		
4443-0350-013-UNV-D2**	6-12	6-12							
4450-0350-019-UNV-D10	3-16	3-16	1-4			2-5	1-4		
4450-0350-019-UNV-ED10	1-17	1-17	1-4			1-5	1-4		
4450-0350-019-UNV-SD10	1-17	1-17	1-4			1-5	1-4		
4450-0500-027-UNV-ED10				1-17				1-5	1-4
4450-0500-027-UNV-SD10				1-17	1			1-5	1-4
4444-0700-004-120-LTE					1				
4444-0700-007-UNV-D10					2-3				
4443-0700-020-UNV-D2**					4-8				
4450-0700-030-UNV-ED10					1-12				
4450-0700-030-UNV-SD10					1-12				

* Wattage requirement for one (1) fixture (remote fixture only).
** Legacy pricing letter required to order any LUTRON products.

DRIVER BOX MODEL DESCRIPTION

DIMENSION

4443
5" x 4" x 3"
(127 x 102 x 76mm)

4444
6" x 4" x 3"
(152 x 102 x 76mm)

4450
8" x 8" x 4"
(203 x 203 x 102mm)

4548
6" x 4.5" x 3"
(152 x 114 x 76mm)

4549
14.5" x 5" x 3.5"
(368 x 127 x 89mm)

CONSTANT CURRENT

0350
350mA

0500
500mA

0700
700mA

WATTAGE

006 to 030
6W to 30W

VOLTAGE

120
120V

UNV
120-277V

DIMMING PROTOCOL

D10
0-10V
Max distance: 9m (30ft)*
(down to 10%)

D2
Lutron Hi Lume® 1% EcoSystem™
(Soft-on, Fade to Black)
Max distance: 9m (30ft)*
(down to 1%)

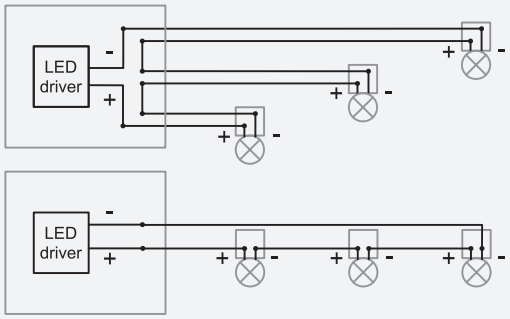
ED10
0-10V ELDOLED ECOdrive
Max distance: 36m (118ft)*
(down to 1%)

SD10
0-10V ELDOLED SOLOdrive
Max distance: 36m (118ft)*
(down to 0.1%)

LTE
Leading edge and trailing edge
(ELV and TRIAC)
Max distance: 100m (330ft)*
(down to 15%)

*Max distance cable calculated for 16AWG cable. Contact customer service for longer remote distance.

WIRING DIAGRAMS
Multiple luminaires must be connected in series
(home run or fixture chain)



FAMILY OVERVIEW

1" (28mm)

Spot (14°)

Medium (22°)

Diffuse

2" (50mm)

Light blade

Spot (8°)*

Medium (24°)*

Wide flood (42°)*

Elliptical

Wall washer

Diffuse

3" (80mm)

Light blade

Spot (8°)*

Flood (30°)*

Wide flood (50°)*

Elliptical

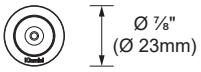
Wall washer

Diffuse

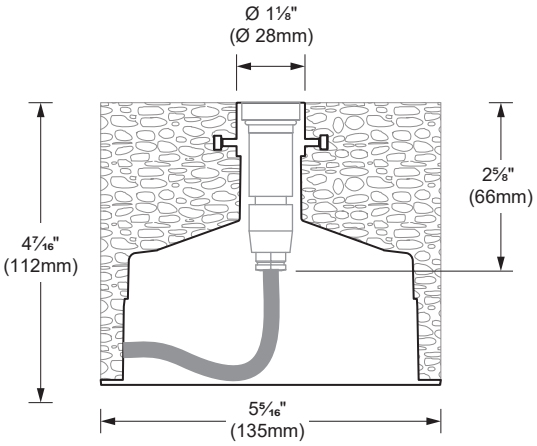
* Optics also offered in Comfort version with honeycomb louver. See photometric information (page 7-11).

DIMENSIONS

1" (28mm)

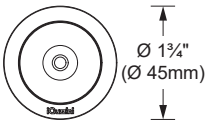


TOP VIEW

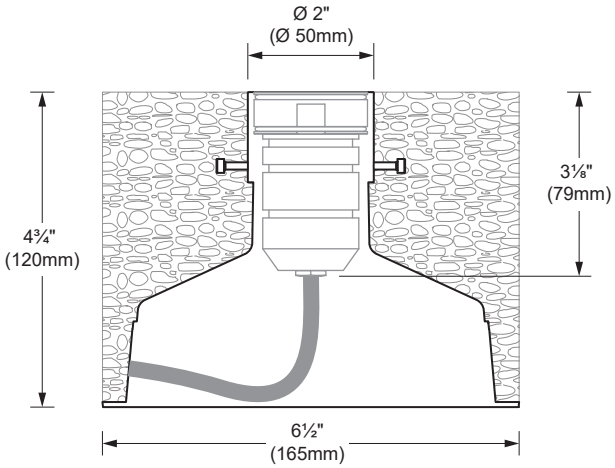


SECTION VIEW

2" (50mm)

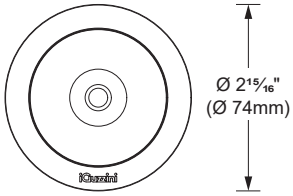


TOP VIEW

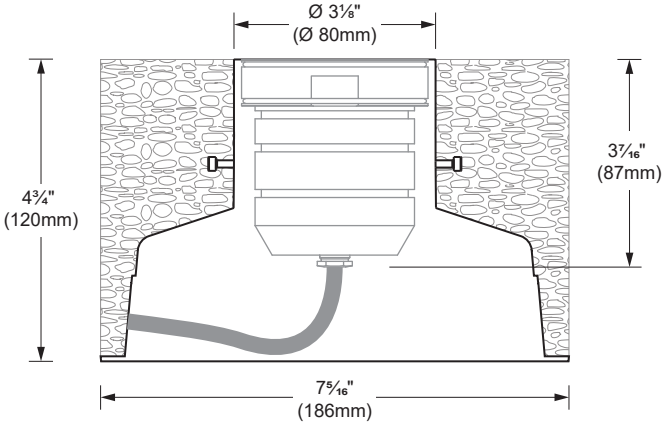


SECTION VIEW

3" (80mm)



TOP VIEW

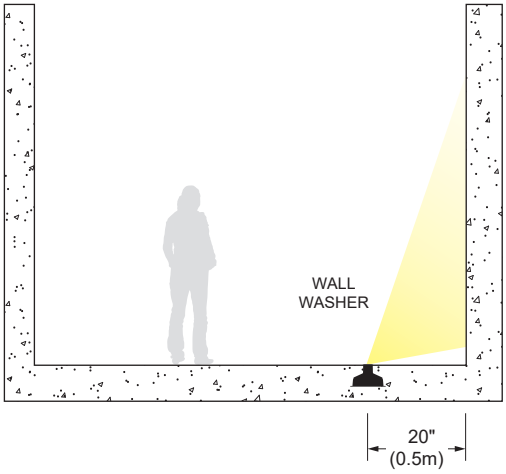


SECTION VIEW

WALL WASHER INSTALLATION

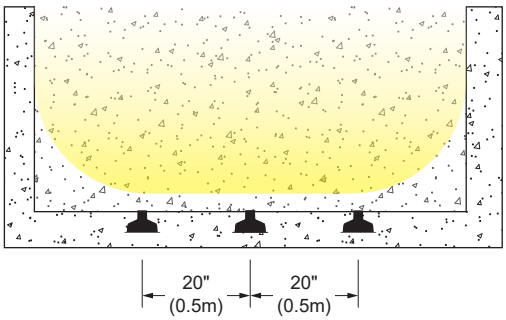
SUGGESTED SURFACE DISTANCE

2" (50mm) / 3" (80mm)



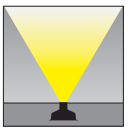
SUGGESTED SPACING FOR UNIFORM DISTRIBUTION

2" (50mm) / 3" (80mm)



PHOTOMETRIC DATA

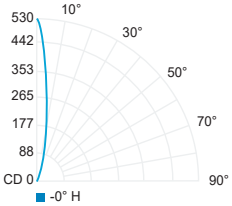
1" (28mm)



CCT (K)	CRI	OUTPUT	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	1W	Spot 14°	53	53	522	ILUF28-BO-830-SP
				Medium 22°	56	56	352	ILUF28-BO-830-MD
				Diffuse	7	7	2	ILUF28-BO-830-DI

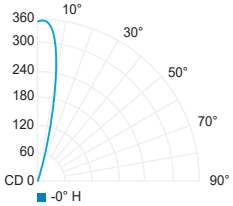
*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

Spot 14° BO (3000K, 80CRI)



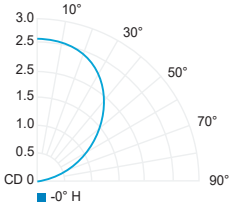
	Center beam fc	Beam width ft
12ft	3.63	2.8
10ft	5.22	2.3
8ft	8.16	1.9
6ft	14.5	1.4
4ft	32.6	0.9
2ft	131	0.5

Medium 22° BO (3000K, 80CRI)



	Center beam fc	Beam width ft
12ft	2.43	4.7
10ft	3.50	3.9
8ft	5.47	3.1
6ft	9.72	2.3
4ft	21.9	1.6
2ft	87.5	0.8

Diffuse BO (3000K, 80CRI)

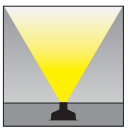


	Center beam fc	Beam width ft
12ft	0.02	33.9
10ft	0.03	28.3
8ft	0.04	22.6
6ft	0.07	17.0
4ft	0.16	11.3
2ft	0.65	5.70

CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
Multiplier	**0.97**	**1**	**1.04**	**1.13**

PHOTOMETRIC DATA

2" (50mm)



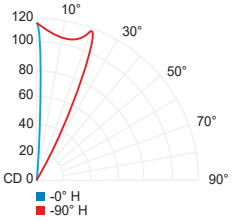
CCT (K)	CRI	OUTPUT	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	1W	Light blade	9	9	117	ILUF50-BO-830-BL
				Spot 8°	79	79	1 765	ILUF50-BO-830-SP
				Spot comfort 8°	59	59	1 518	ILUF50-BO-830-SH
			3.8W	Medium 24°	338	88	1 660	ILUF50-BO-830-MD
				Medium comfort 24°	272	71	1 601	ILUF50-BO-830-MH
				Wide flood 42°	357	93	780	ILUF50-BO-830-WF
				Wide flood comfort 40°	240	63	585	ILUF50-BO-830-WH
			1W	Elliptical 68° / 12°	86	86	242	ILUF50-BO-830-EL
				Diffuse	17	17	6	ILUF50-BO-830-DI
				Wall washer	33	33	44	ILUF50-BO-830-WW
		MO	1.4W	Spot 8°	109	77	2 444	ILUF50-MO-830-SP
				Spot comfort 8°	82	58	2 101	ILUF50-MO-830-SH
				Elliptical 68° / 12°	119	85	335	ILUF50-MO-830-EL
				Diffuse	23	16	8	ILUF50-MO-830-DI
		HO	2W	Spot 8°	146	73	3 259	ILUF50-HO-830-SP
				Spot comfort 8°	110	55	2 802	ILUF50-HO-830-SH
				Elliptical 68° / 12°	158	79	447	ILUF50-HO-830-EL
				Diffuse	30	15	10	ILUF50-HO-830-DI

*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
Multiplier	**0.97**	**1**	**1.04**	**1.13**

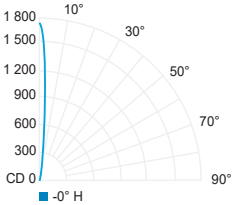
2" (50mm)

Light blade BO (3000K, 80CRI)



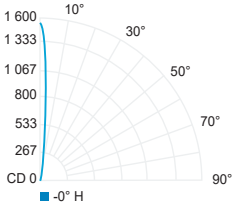
	Center beam fc	Beam width ft	
12ft	0.80	1.1	11.7
10ft	1.15	0.9	9.7
8ft	1.79	0.7	7.8
6ft	3.19	0.5	5.8
4ft	7.17	0.4	3.9
2ft	28.7	0.2	1.9

Spot 8° BO (3000K, 80CRI)



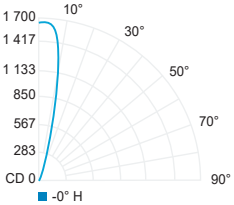
	Center beam fc	Beam width ft
12ft	12.3	1.6
10ft	17.7	1.3
8ft	27.6	1.1
6ft	49.0	0.8
4ft	110	0.5
2ft	441	0.3

Spot comfort 8° BO (3000K, 80CRI)



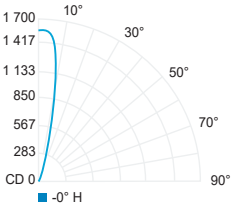
	Center beam fc	Beam width ft
12ft	10.5	1.6
10ft	15.2	1.3
8ft	23.7	1.1
6ft	42.2	0.8
4ft	94.9	0.5
2ft	380	0.3

Medium 24° BO (3000K, 80CRI)



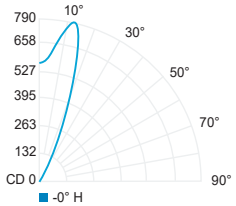
	Center beam fc	Beam width ft
12ft	11.5	5.2
10ft	16.5	4.4
8ft	25.8	3.5
6ft	45.9	2.6
4ft	103	1.7
2ft	413	0.9

Medium comfort 24° BO (3000K, 80CRI)



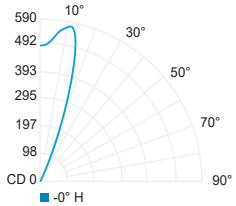
	Center beam fc	Beam width ft
12ft	11.0	4.8
10ft	15.8	4.0
8ft	24.7	3.2
6ft	43.9	2.4
4ft	98.8	1.6
2ft	395	0.8

Wide flood 42° BO (3000K, 80CRI)



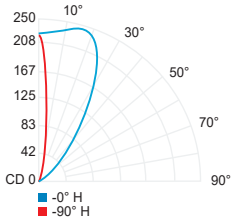
	Center beam fc	Beam width ft
12ft	3.96	8.1
10ft	5.70	6.7
8ft	8.91	5.4
6ft	15.8	4.0
4ft	35.6	2.7
2ft	143	1.3

Wide flood comfort 40° BO (3000K, 80CRI)



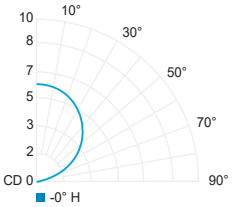
	Center beam fc	Beam width ft
12ft	3.41	7.3
10ft	4.91	6.1
8ft	7.67	4.9
6ft	13.6	3.7
4ft	30.7	2.4
2ft	123	1.2

Elliptical 68° / 12° BO (3000K, 80CRI)



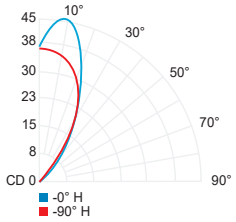
	Center beam fc	Beam width ft	
12ft	1.57	16.4	2.3
10ft	2.26	13.7	1.9
8ft	3.54	10.9	1.5
6ft	6.29	8.2	1.2
4ft	14.2	5.5	0.8
2ft	56.6	2.7	0.4

Diffuse BO (3000K, 80CRI)



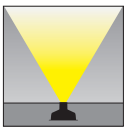
	Center beam fc	Beam width ft
12ft	0.04	35.7
10ft	0.06	29.8
8ft	0.09	23.8
6ft	0.17	17.9
4ft	0.37	11.9
2ft	1.49	6.0

Wall washer BO (3000K, 80CRI)



PHOTOMETRIC DATA

3" (80mm)



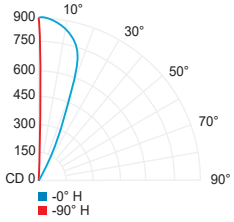
CCT (K)	CRI	OUTPUT	LOAD (W)*	OPTIC	LUMENS (lm)	EFFICACY (lm / W)	MAX CANDELA (cd)	MODELS
3000K	80	BO	2.9W	Light blade	31	10	897	ILUF80-BO-830-BL
			4W	Spot 8°	406	106	8 515	ILUF80-BO-830-SP
				Spot comfort 8°	310	81	7 533	ILUF80-BO-830-SH
				Flood 30°	379	99	1 421	ILUF80-BO-830-FL
				Flood comfort 28°	268	70	1 129	ILUF80-BO-830-FH
				Wide flood 50°	365	96	583	ILUF80-BO-830-WF
				Wide flood comfort 42°	230	60	523	ILUF80-BO-830-WH
				Elliptical 78° / 10°	393	103	1 108	ILUF80-BO-830-EL
				Diffuse	66	17	22	ILUF80-BO-830-DI
			3W	Wall washer	164	54	196	ILUF80-BO-830-WW
		MO	4.2W	Light blade	41	9	1 197	ILUF80-MO-830-BL
			5.5W	Spot 8°	541	98	11 353	ILUF80-MO-830-SP
				Spot comfort 8°	413	75	10 044	ILUF80-MO-830-SH
				Flood 30°	497	90	1 865	ILUF80-MO-830-MD
				Flood comfort 28°	352	64	1 482	ILUF80-MO-830-FH
				Wide flood 50°	357	93	766	ILUF80-MO-830-WF
				Wide flood comfort 42°	302	54	686	ILUF80-MO-830-WH
				Elliptical 78° / 10°	524	95	1 477	ILUF80-MO-830-EL
			5.4W	Diffuse	87	16	29	ILUF80-MO-830-DI
			4.2W	Wall washer	218	51	261	ILUF80-MO-830-WW

*For products that uses a remote led driver, total system wattage will varies according to the efficacy of the remote led driver selected. For this reason, the load and efficacy values given in the table above refers to the led source only and does not include the led driver consumption.

CCT options	2700K	3000K	3500K	4000K
CRI options	80CRI	80CRI	80CRI	80CRI
Multiplier	**0.97**	**1**	**1.04**	**1.13**

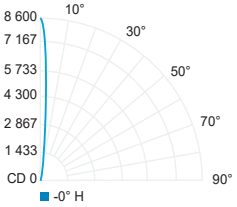
3" (80mm)

Light blade BO (3000K, 80CRI)



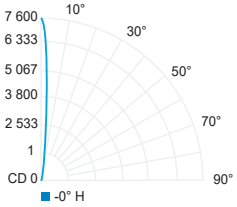
	Center beam fc	Beam width ft	
12ft	6.14	9.5	0.5
10ft	8.84	7.9	0.4
8ft	13.8	6.3	0.4
6ft	24.6	4.8	0.3
4ft	55.3	3.2	0.2
2ft	221	1.6	0.1

Spot 8° BO (3000K, 80CRI)



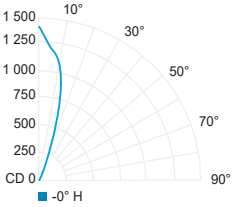
	Center beam fc	Beam width ft
12ft	59.1	1.9
10ft	85.2	1.5
8ft	133	1.2
6ft	237	0.9
4ft	332	0.6
2ft	2 129	0.3

Spot comfort 8° BO (3000K, 80CRI)



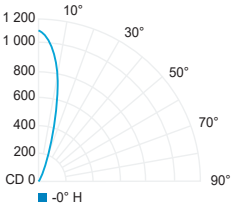
	Center beam fc	Beam width ft
12ft	52.3	1.8
10ft	75.3	1.5
8ft	118	1.2
6ft	209	0.9
4ft	171	0.6
2ft	1 883	0.3

Flood 30° BO (3000K, 80CRI)



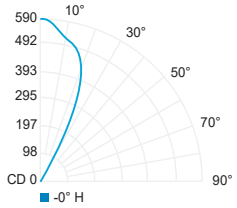
	Center beam fc	Beam width ft
12ft	9.87	6.6
10ft	14.2	5.5
8ft	22.2	4.4
6ft	39.5	3.3
4ft	88.8	2.2
2ft	355	1.1

Flood comfort 28° BO (3000K, 80CRI)



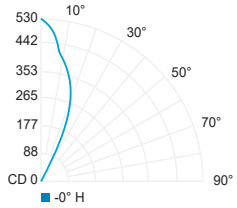
	Center beam fc	Beam width ft
12ft	7.84	6.1
10ft	11.3	5.0
8ft	17.6	4.0
6ft	31.4	3.0
4ft	70.6	2.0
2ft	282	1.0

Wide flood 50° BO (3000K, 80CRI)



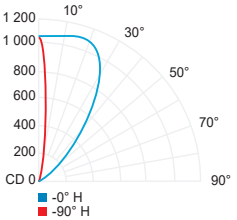
	Center beam fc	Beam width ft
12ft	4.05	11.3
10ft	5.84	9.4
8ft	9.12	7.5
6ft	16.2	5.7
4ft	36.8	3.6
2ft	146	1.9

Wide flood comfort 42° BO (3000K, 80CRI)



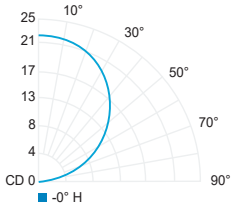
	Center beam fc	Beam width ft
12ft	3.62	8.8
10ft	5.22	7.4
8ft	8.15	5.9
6ft	14.5	4.4
4ft	32.6	2.9
2ft	130	1.5

Elliptical 78° / 10° BO (3000K, 80CRI)



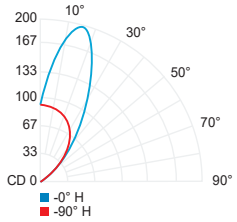
	Center beam fc	Beam width ft	
12ft	7.43	19.3	2.3
10ft	10.7	16.1	1.9
8ft	16.7	12.8	1.5
6ft	29.7	9.6	1.2
4ft	66.9	6.4	0.8
2ft	267	3.2	0.4

Diffuse BO (3000K, 80CRI)



	Center beam fc	Beam width ft
12ft	0.16	38.1
10ft	0.22	31.7
8ft	0.35	25.4
6ft	0.62	19.0
4ft	1.40	12.7
2ft	5.60	6.3

Wall washer BO (3000K, 80CRI)



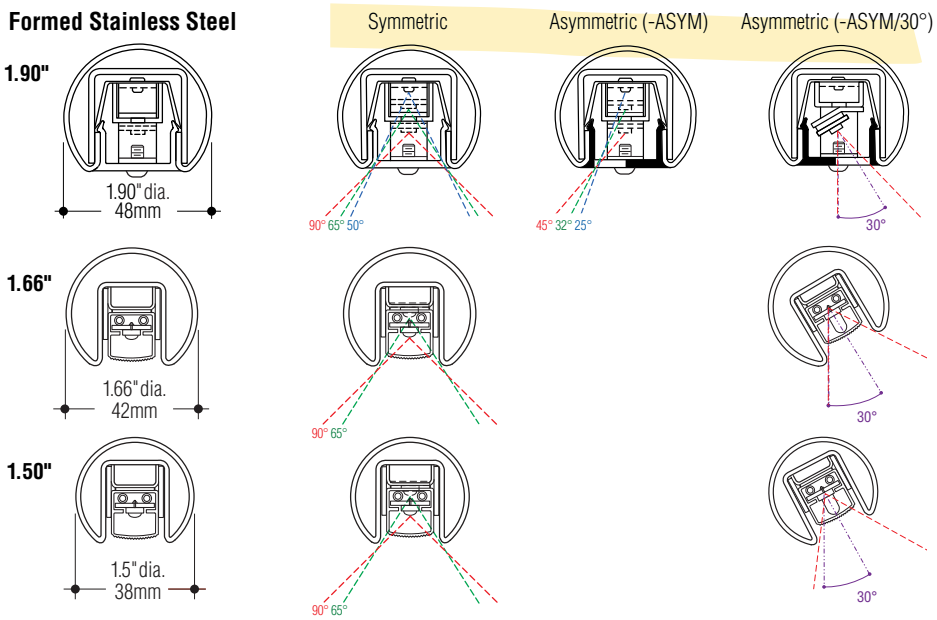
JOB NAME _____

TYPE _____

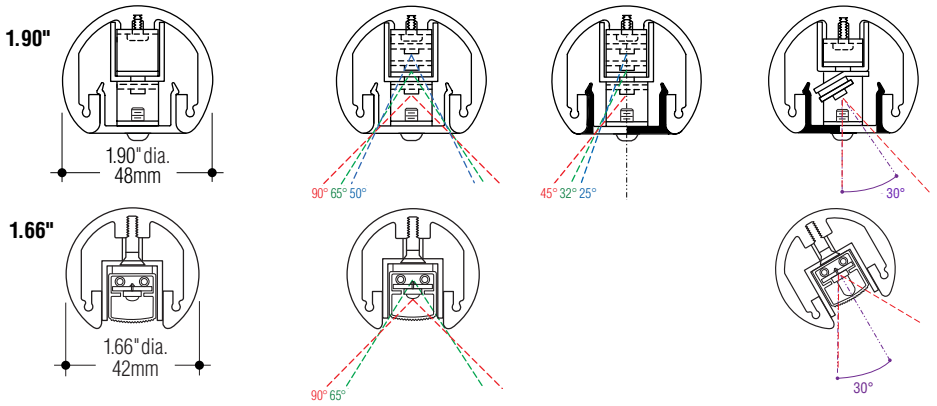
E13

CATALOG NUMBER _____

Formed Stainless Steel



Extruded Aluminum



Catalog Number	Stainless Steel (-SS)	Aluminum (-AL)
Post mounted, integral driver	☐ **LR5P -LED-SS/*_____-INT**	☐ **LR5P -LED-AL/*_____-INT**
Post mounted, remote driver	☐ **LR5P -LED-SS/*_____-REM**	☐ **LR5P -LED-AL/*_____-REM**
Wall mounted, integral driver**	☐ **LR5W-LED-SS/1.9-INT**	☐ **LR5W-LED-AL/1.9-INT**
Wall mounted, remote driver	☐ **LR5W-LED-SS/*_____-REM**	☐ **LR5W-LED-AL/*_____-REM**

** Insert choice of rail diameter after slash, 1.9", 1.66" or 1.5"*

*** Limited driver capacity allows for only 1.9" rail choice.*

Lightrail - LR5

Construction

• Available in extruded aluminum and formed stainless steel with welded and blended joints for a seamless appearance • A high impact diffuser snaps into place and is further retained by fasteners • The flat lens design minimizes visible brightness at sides and is available in clear or frosted • Each rail is tailored to fit existing stairs, ramps, and walkways • Aluminum rails supplied with a powder coat finish • Stainless steel rails supplied with a #4 satin finish, passivated for maximun rust resistance • Post and bracket mounting: 6'max. • Rail height: 36" • Diameter of post with integral driver is 2.375" O.D., diameter of post with remote driver matches rail housing choice.

Electrical

• LED modules are 24 VDC constant voltage at 2.5 watts and 205 source lumens per foot. Available in 3000˚K or 4100˚K color temperatures. Beam spreads in 50˚, 65˚, and 90˚ patterns • LEDs are configured to allow uninterrupted illumination • Electrical feed locations are pre-determined at time of submittal • Integral driver located in post; optional remote driver located in enclosure. • 0-10v dimming driver is available • dJLus listed, suitable for wet locations.

How to Specify

Every Lightrail is custom designed and fabricated to your specific project conditions. Drawings will be submitted on each project requesting specific dimensions to assure proper fit. Plans and elevation drawings are required for pricing and submittal drawing production.

1. Submit catalog number, options, and voltage; (example: LR5P-LED-SS/1.9-INT-RE-277).
2. Add special features and requirements necessary to complete specification.

Options

Ends: Add suffix. Radius ☐ **-RE**. Loop ☐ **-LE**, Extended Loop ☐ **-ELE**. Miter ☐ **-ME**, Stub ☐ **-SE**.

Baseplate: Nominal 4" diameter or 4" square baseplate + four mounting holes. Add suffix ☐ **-BP**.

Escutcheon: Add suffix ☐ **-ES**.

Frosted lens: (clear diffuser std.). Add suffix ☐ **-FL**.

Curved rail: Consult with factory. Add suffix ☐ **-CRV**.

Emergency battery: Provides up to 90 min. operation (remote only). Add suffix ☐ **-EM**.

Asymmetric distribution: 50% opaque lens (not available on all models). Add suffix ☐ **-ASYM**. 30° tilt. Add suffix ☐ **-ASYM/30°**

4100°K Color temperature: (3000°K std.). Add suffix ☐ **-4K**.

Color: FWC Turtle compliant, 590 nm, Amber. Add suffix ☐ **-AMB**.

Beam spread: (90° std.). 65°, Add suffix ☐ **-65**. 50°, Add suffix ☐ **-50**. (1.9" rails only)

Dimming: Universal voltage 0-10V driver. Add suffix ☐ **-DIM**.

End Treatments

Miter End *Loop End* *Stub End* *Radius End*

COLE Lighting
www.colelighting.com

C.W. Cole & Company, Inc.
2560 Rosemead Blvd.
South El Monte, CA
91733-1593

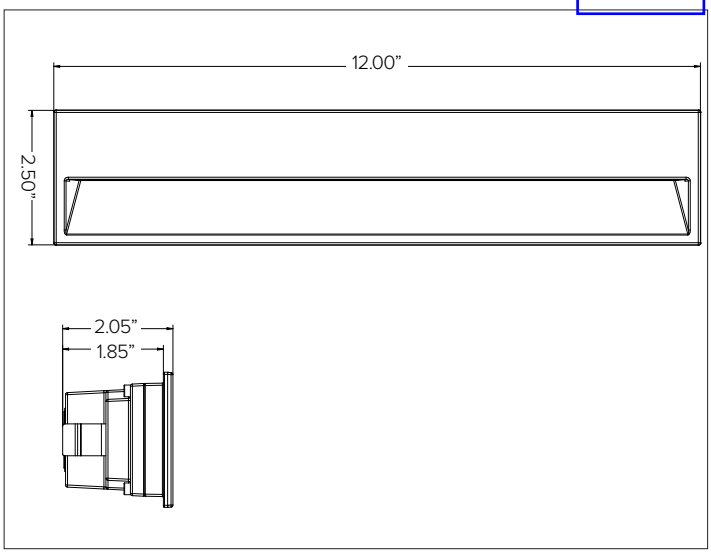
T: (626) 443-2473
F: (626) 443-9253

ZEDGE LINE

Recessed Direct View Linear Line Voltage Steplight

E15

Shown in Ferrite Grey finish.



QS | Dark Sky | Marine | RoHS3 | IP66 | cULus

CONCEPT

Recessed LED steplight for indoor and outdoor applications.
Designed in collaboration with Gensler as Product Design Consultant.

MECHANICAL CHARACTERISTICS

Housing	2.50”H x 12.00”W x 2.05”D
Materials	Die-cast anodized aluminum body and external powder coated frame.
Finish	Textured finish. Ferrite Dark Grey · Heritage Brown · Bronze Black · White · Sandstone Grey
Power Connection	Pre-wired with 6” lead for direct line voltage and dimming connection.
Mounting	To be completed with installation back box for flush or semi-flush installations
BUG	B0–U0–G0
Weight	1.54lbs
Protection	IP66
Impact	IK10

CERTIFICATIONS

cULus Wet Location Listed.
Tested in accordance with LM-79-08.
Compliant for California installations.
RoHS3 EU 215/863

WARRANTY

5 year limited warranty

SUSTAINABILITY

Luminaire designed for disposal/recycling at end-of-life. Replaceable LED light source and control gear by a Targetti technician.

ELECTRICAL CHARACTERISTICS

Power Supply	Integrated 4/1 smart driver (Non-dimmable / 0-10V / Reverse Phase / Forward Phase). Dimmable to <10% via 0-10V or <15% via Phase.
Wattage	9W
Voltage	Universal Voltage 120-277V AC 50/60Hz
Operating Temp.	-25°C / +35°C

SOURCE

LED High efficiency Board.

TM30	*CCT (Nominal)*	*CRI*	*Rf*	*Rg*	*SDCM*
	2700K	80	83	97.3	2
	3000K	80	82.9	97	2
	3500K	80	83.6	96.5	2
	4000K	80	84	95.7	2

Ra90 available upon request

OPTIC

Polycarbonate opal lens for uniform optical distribution on the floor and excellent visual comfort.

Beam		***88°x48°***
Delivered Lumens	***2700K***	230Lm
	3000K	245Lm
	3500K	251Lm
	4000K	257Lm
Efficacy		31Lm/W max. Refer to photometric graphs for specific values.
Lifetime		L95/B10 30,000hrs at max TA +25ºC L91/B10 50,000hrs at max TA +25ºC
Photobiological Classification		Low risk photobiological safety RG1

ZEDGE LINE

SPECIFICATION INFORMATION

ZEL	41						/
1	2	3	4	5	6	7	8
						OPTIONAL	REQUIRED

Ex: ZEL41FWFEL230 / 1E3447

1 - PRODUCT CODE	2 - DRIVER	3 - FACEPLATE	4 - FINISH	5 - WATTAGE	6 - KELVIN	7 - OPTIONAL
ZEL — ZEDGE LINE	**41** — 4/1 Smart Dimming *(Non-Dimming / 0-10V / Reverse Phase / Forward Phase)*	**FW** — Floor Washer	**FE** — Ferrite Dark Grey **HB** — Heritage Brown **BZ** — Bronze **WT** — White **BT** — Black **SG** — Sandstone Grey **RAL** — Custom RAL	**L2** — 9W	**27** — 2700K **30** — 3000K **35** — 3500K **40** — 4000K	**MG**[A] — Marine Grade

8 - INSTALLATION
Installation Box *See section for details*

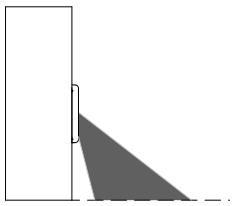
[A] Marine Grade is recommended for use in environments with occasional exposure to salt air, reclaimed water, fertilizers, chemical cleaners, or frequent pressure washing (steam) cleaning. Fixture housing complete with marine grade cataphoresis suitable for use in marine grade environments. Not to be in direct contact with salt or corrosive agents for extended periods of time.

For applicable quick ship items, see model configurations listed below. Lead time for quick ship fixtures is 1-2 weeks from processed PO date. Consult factory for quantities of over 20pcs to confirm lead time.

QS **QSZEL41FWFEL230 + 1E3447**

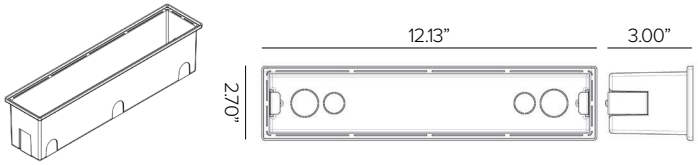
FACEPLATE STYLE

(FW) FLOOR WASHER



ZEDGE LINE

8 – INSTALLATION (REQUIRED)

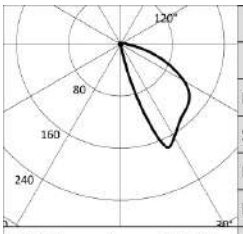


PVC installation back box for flush or semi-flush installations, black finish. ¾” and ½” knock-outs made for EMT connectors and conduit entry. Suitable for concrete pour, drywall, or stucco applications.

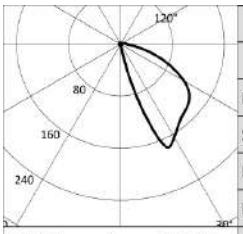
Part No. **1E3447**

ZEDGE LINE

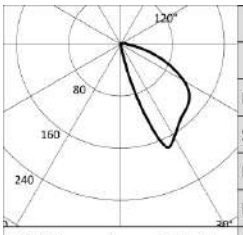
PHOTOMETRY



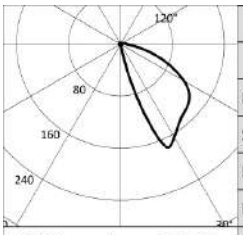
2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			48°	88°	
Fixture Power	9W	1	1.90	2.12	155
Source Flux	1175lm	2	3.80	4.25	39
Fixture Flux	230lm	3	5.70	6.37	17
Efficacy	26lm/W	4	7.60	8.49	10
TS1128 Imax=174cd/klm	Imax 204cd	5	9.50	10.61	6



3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			48°	88°	
Fixture Power	9W	1	1.90	2.12	165
Source Flux	1250lm	2	3.80	4.25	41
Fixture Flux	245lm	3	5.70	6.37	18
Efficacy	27lm/W	4	7.60	8.49	10
TS1128 Imax=174cd/klm	Imax 217cd	5	9.50	10.61	7

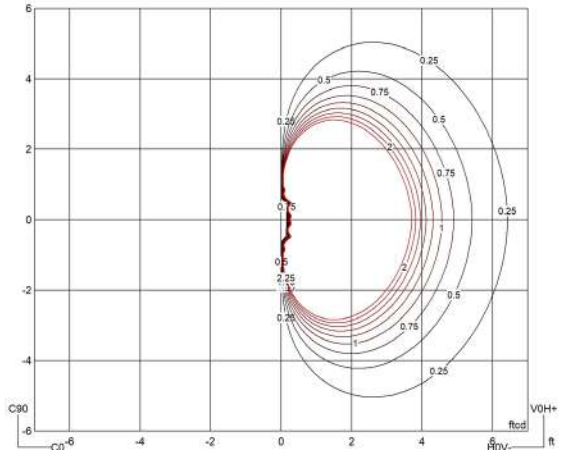


3500K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			48°	88°	
Fixture Power	9W	1	1.90	2.12	169
Source Flux	1280lm	2	3.80	4.25	42
Fixture Flux	251lm	3	5.70	6.37	19
Efficacy	31lm/W	4	7.60	8.49	11
TS1128 Imax=174cd/klm	Imax 222cd	5	9.50	10.61	7



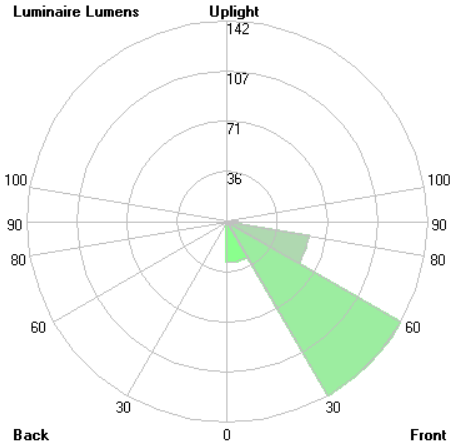
4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			48°	88°	
Fixture Power	9W	1	1.90	2.12	173
Source Flux	1310lm	2	3.80	4.25	43
Fixture Flux	257lm	3	5.70	6.37	19
Efficacy	29lm/W	4	7.60	8.49	11
TS1128 Imax=174cd/klm	Imax 228cd	5	9.50	10.61	7

ISOLUX DIAGRAM



MOUNTING HEIGHT = 18”

LCS GRAPH



B0-U0-G0

UVA-10021

Vancouver 11 Bollard

E17

LIGMAN LIGHTING USA

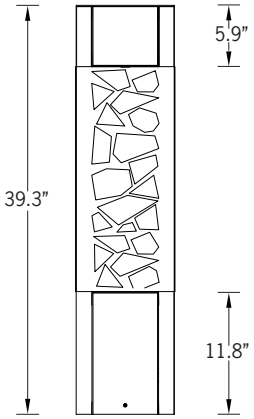
Shadow Effect

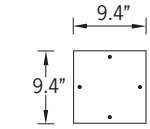
21w COB 570 Lumens
Standard: 65˚ Beam
Optional: 134˚ Beam

IP65 • Suitable For Wet Locations

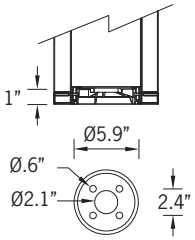
IK08 • Impact Resistant (Vandal Resistant)

Weight 18 lbs

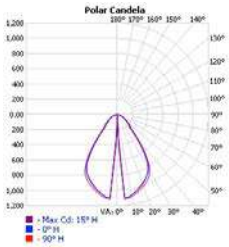




Top View



Mounting Detail



65˚ Beam Spread

Construction

Aluminum
Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre paint
8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket
Provided with special injection molded “fit for purpose” long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
B1 - U1 - G0

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200˚ C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Inspired by Nature Finishes
The Inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish.

This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative powder coating.

The wood grain finish is so realistic that it’s almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

The Coating Process
After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal decoration.

The component is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using special high temperature inks.

This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful wood-looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.

Added Benefits
- Resistance to salt-acid room, accelerated aging
- Boiling water, lime and condensed water resistant
- Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
- Super durable (UV resistant)
- TGIC free (non-toxic)

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes
Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens
Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light.
LED CRI > 80

Lumen - Maintenance Life
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Contemporary urban lighting furniture.
Open-sided, three lattice pattern options or your bespoke design.

A stylish Dark Sky Compliant square high performance bollard with downward light distribution using LED lamps. This light column offers optimal visual comfort through glare control by utilizing a controlled optics designed by Ligman. These bollards have a square design providing a unique wide light distribution, offering an architecturally appealing clover leaf pattern on the paving. The internal sides of the supporting pillars are accented by light from the LED.

Color temperature 2700K, 3000K, 3500K and 4000K. The minimalistic shape provides distinctive lighting effects by night and decorative urban effect during the day. Suitable for pedestrian areas, precincts, building surrounds, shopping centers, squares and parks. The Vancouver Bollard comes standard with a unique waterproof internal driver housing compartment that is situated at the top of the pole to stop water and dust from entering the electrical components. This fixture is supplied completely wired with powercord and waterproof gland from the driver enclosure to the base of the column to ensure quick trouble-free installation.

The Vancouver has a specially designed anchor bolt mounting base that is partially buried below ground level to provide a flush fixture finish with the surface, but maintains the rigidity that is required when installing bollards.
Custom bollard heights are available, please specify. Provided with anchor bolts Reduced custom wattages can be provided to suit customer requirements. (Specify total watt requirement per fixture)

• NOTE: For the round version of the Vancouver, please see the Benton Light Column and Bollard

To meet International Dark Sky criteria, 3000k or warmer LEDs must be selected.

Ligman Lighting USA reserves the right to change specifications without prior notice, please contact factory for latest information. Due to the continual improvements in LED technology data and components may change without notice.

UVA-10021

Vancouver 11 Bollard

LIGMAN LIGHTING USA

PROJECT		DATE	
QUANTITY		TYPE		NOTE	

ORDERING EXAMPLE || UVA - 10021 - 21w - T2 - W30 - 02 - 120/277v - Options

UVA-10021					
	LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE
	21w COB 570 Lumens	T5 - Type V - 76˚ Very Wide T1 - Type I Distribution T2 - Type II Distribution T3 - Type III Distribution T4 - Type IV Distribution	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify

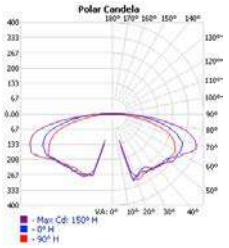
INSPIRED BY NATURE FINISHES

- SW01 - OAK FINISH
- SW02 - WALNUT FINISH
- SW03- PINE FINISH
- DF - DOUGLAS FIR FINISH
- CW - CHERRY WOOD FINISH
- NW - NATIONAL WALNUT FINISH
- SU01 - CONCRETE FINISH
- SU02 - SOFTSCAPE FINISH
- SU03 - STONE FINISH
- SU04 - CORTEN FINISH

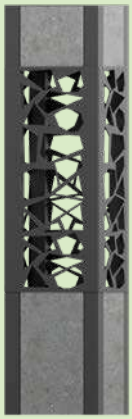
THERE IS AN ADDITIONAL COST FOR THESE FINISHES

ADDITIONAL OPTIONS

NAT - Natatorium Rated
DIM - 0-10v Dimming
134 B - 134˚ Beam
HGT - Custom Bollard Height
GFCI - GFCI Box



134˚ Beam Spread



Example: Two-Tone Inspired by Nature Finish

More Custom Finishes Available Upon Request

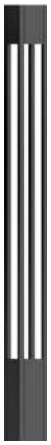
Consult factory for pricing and lead times

Oak, Cherry, Beech, Carbon
Walnut, Chestnut, Bamboo, Galvanized
Pine, Mahogany, Birch, Steel

Ligman Lighting USA reserves the right to change specifications without prior notice, please contact factory for latest information. Due to the continual improvements in LED technology data and components may change without notice.

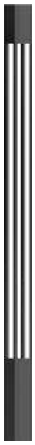
Intertek

Vancouver Product Family



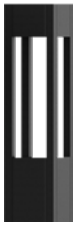
Vancouver 1

- UVA-20001-40w-2969lm [9.4"x9.4"-14.7']



Vancouver 2

- UVA-20011-20w-1414lm [6.3"x6.3"-9.8']

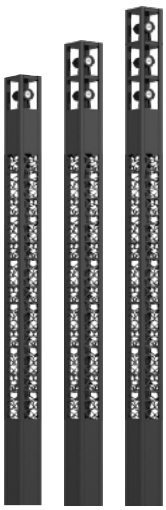


Vancouver 3

- UVA-10001-21w-1270lm [9.4"x9.4"-39.3"]

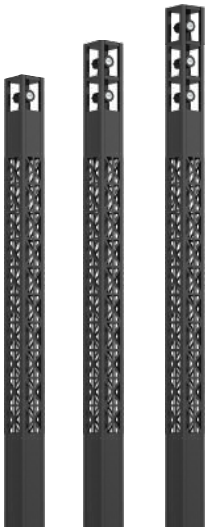
Vancouver 4

- UVA-10011-15w-837lm [6.3"x6.3"-39.3"]



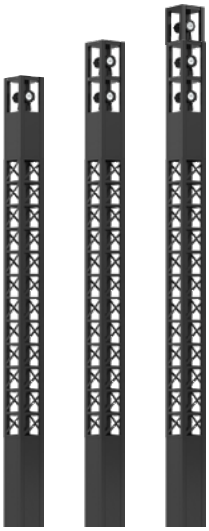
Vancouver 5

- UVA-20021-39/21w-1336/1673lm [9.4"x9.4"-13.3']
- UVA-20022-39/2x21w-1336/2x1673lm [9.4"x9.4"-14.5']
- UVA-20023-39/3x21w-1336/3x1673lm [9.4"x9.4"-15.7']



Vancouver 6

- UVA-20031-39/21w-1167/1673lm [9.4"x9.4"-13.3']
- UVA-20032-39/2x21w-1167/2x1673lm [9.4"x9.4"-14.5']
- UVA-20033-39/3x21w-1167/3x1673lm [9.4"x9.4"-15.7']



Vancouver 7

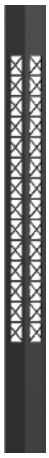
- UVA-20041-39/21w-1670/1673lm [9.4"x9.4"-13.3']
- UVA-20042-39/2x21w-1670/2x1673lm [9.4"x9.4"-14.5']
- UVA-20043-39/3x21w-1670/3x1673lm [9.4"x9.4"-15.7']

Vancouver 8

- UVA-20051-40w-1336lm [9.4"x9.4"-12.1']

Vancouver 9

- UVA-20061-40w-1167lm [9.4"x9.4"-12.1']



Vancouver 10

- UVA-20071-40w-1670lm [9.4"x9.4"-12.1']

Vancouver 11

- UVA-10021-21w-570lm [9.4"x9.4"-39.3']

Vancouver 12

- UVA-10031-21w-490lm [9.4"x9.4"-39.3']

Vancouver 13

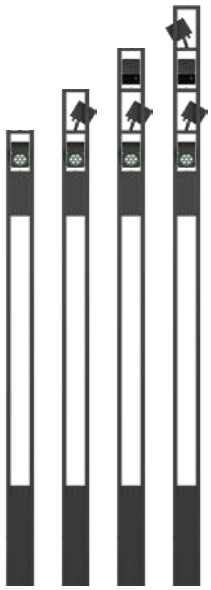
- UVA-10041-21w-704lm [9.4"x9.4"-39.3']

Vancouver 14

- UVA-70001-8w-331lm [6.3"x6.3"-15.7"]

Vancouver 15

- UVA-70011-21w-815lm [9.4"x9.4"-15.7"]

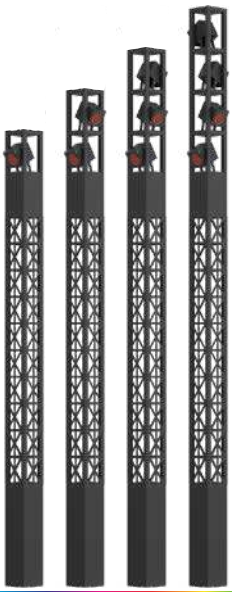


Vancouver 16

- UVA-20111-33w-1429lm [9.4"x9.4"-13.3']
- UVA-20112-66w-4287lm [9.4"x9.4"-14.5']
- UVA-20113-99w-5716lm [9.4"x9.4"-15.7']
- UVA-20114-132w-7145lm [9.4"x9.4"-17']

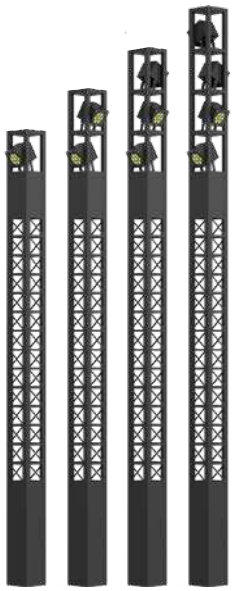
Vancouver 17

- UVA-20121-33w-2858 lm [9.4"x9.4"-13.3']
- UVA-20122-66w-4287lm [9.4"x9.4"-14.5']
- UVA-20123-99w-5716lm [9.4"x9.4"-15.7']
- UVA-20124-132w-7145lm [9.4"x9.4"-17']



Vancouver 18

- UVA-20131-33w-2858lm [9.4"x9.4"-13.3']
- UVA-201312-66w-4287lm [9.4"x9.4"-14.5']
- UVA-20133-99w-5716lm [9.4"x9.4"-15.7']
- UVA-20134-132w-7145lm [9.4"x9.4"-17']

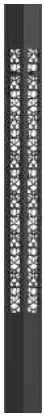


Vancouver 19

- UVA-20141-33w-2858lm [9.4"x9.4"-13.3']
- UVA-20142-66w-4287lm [9.4"x9.4"-14.5']
- UVA-20143-99w-5716lm [9.4"x9.4"-15.7']
- UVA-20144-132w-7145lm [9.4"x9.4"-17']

Vancouver 20

- UVA-20151-33w-1429lm [9.4"x9.4"-12.1']



Vancouver 21

- UVA-20161-33w-1429lm [9.4"x9.4"-12.1']

Vancouver 22

- UVA-20171-33w-1429lm [9.4"x9.4"-12.1']

Vancouver 23

- UVA-20181-33w-1429lm [9.4"x9.4"-12.1']

Vancouver 24

- UVA-30001-8w-331lm [6.3"x6.3"-15.7"]

Vancouver 25

- UVA-30011-21w-570lm [6.3"x6.3"-23.6"]

Vancouver 26

- UVA-30012-21w-490lm [6.3"x6.3"-23.6"]

Vancouver 27

- UVA-30013-21w-740lm [6.3"x6.3"-23.6"]

Vancouver 28

- UVA-30021-39w-1336lm [9.4"x9.4"-39.3"]
- UVA-30031-33w RGBW-429lm [9.4"x9.4"-39.3"]

Vancouver 29

- UVA-30022-39w-1167lm [9.4"x9.4"-39.3"]
- UVA-30032-33w RGBW-1158lm [9.4"x9.4"-39.3"]

Vancouver 30

- UVA-30023-39w-1670lm [9.4"x9.4"-39.3"]
- UVA-30033-33w RGBW-439lm [9.4"x9.4"-39.3"]

Vancouver 31

• UVA-10101-7w-200lm [4.7" x 4.7" - 23.6"]

Vancouver 33

• UVA-10051-15w-1083lm [6.3" x 6.3" - 39.3"]

Vancouver 34

• UVA-10061-21w-1571lm [9.4" x 9.4" - 39.3"]

Vancouver 35

• UVA-10071-21w-1571lm [9.4" x 9.4" - 39.3"]

Vancouver 36

• UVA-10072-21w-1571lm [9.4" x 9.4" - 39.3"]

Vancouver 37

• UVA-10073-21w-1571lm [9.4" x 9.4" - 39.3"]

Vancouver 38

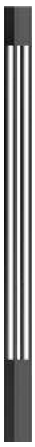
• UVA-10141-8w-95lm [4.7" x 4.7" - 23.6"]

Vancouver 39

• UVA-10151-15w-418lm [6.3" x 6.3" - 39.3"]

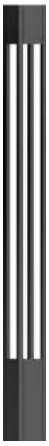
Vancouver 40

• UVA-10161-21w-635lm [9.4" x 9.4" - 39.3"]



Vancouver 41

• UVA-20191-20w-1326lm [6.3" x 6.3" - 9.8']



Vancouver 42

• UVA-20201-40w-2969 lm [9.4" x 9.4" - 14.7']

Vancouver 43

• UVA-20211-39/21w-2781/1688lm [9.4"x9.4"-13.3']

Vancouver 44

• UVA-20212-39/2x21w-2781/2x1688lm [9.4"x9.4"-14.5']

Vancouver 45

• UVA-20213-39/3x21w-2781/3x1688lm [9.4"x9.4"-15.7']

Vancouver 46

• UVA-20221-39/21w-4469/1688lm [9.4"x9.4"-13.3']

Vancouver 47

• UVA-20221-39/2x21w-4469/2x1688lm [9.4"x9.4"-14.5']

Vancouver 48

• UVA-20223-39/3x21w-4469/3x1688lm [9.4"x9.4"-15.7']

Vancouver 49

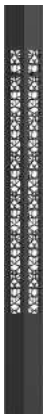
• UVA-20231-39/21w-2781/1688lm [9.4"x9.4"-13.3']

Vancouver 50

• UVA-20232-39/2x21w-2781/2x1688lm [9.4"x9.4"-14.5']

Vancouver 51

• UVA-20233-39/2x21w-2781/2x1688lm [9.4"x9.4"-15.7']

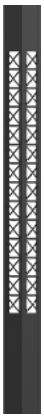


Vancouver 52

• UVA-20241-40w-2781lm [9.4"x9.4"-12']

Vancouver 53

• UVA-20242-40w-2781lm [9.4"x9.4"-12']



Vancouver 54

• UVA-20243-40w-2781lm [9.4"x9.4"-12']

Vancouver 55

• UVA-20251-21w-710lm [6.3"x6.3"-9.8']

Vancouver 56

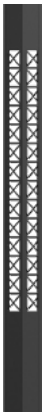
• UVA-20261-40w-1485lm [9.4"x9.4"-14.7']

Vancouver 60

• UVA-20281-76w-4140lm [9.4"x9.4"-12']

Vancouver 61

• UVA-20282-76w-4140lm [9.4"x9.4"-12']



Vancouver 62

• UVA-20283-76w-4140lm [9.4"x9.4"-12']

Vancouver 63

• UVA-70021-13w-437lm [6.3"x6.3"-15.7']

Vancouver 64

• UVA-70031-20w-1362lm [9.4"x9.4"-15.7']

Vancouver 65

• UVA-70041-8w-165lm [6.3"x6.3"-15.7"]

Vancouver 66

• UVA-70051-21w-410lm [9.4"x9.4"-15.7"]

Vancouver 67

• UVA-30041-20w-1326lm [6.3."x6.3"-23.6"]

Vancouver 68

• UVA-30042-20w-1326lm [6.3."x6.3"-23.6"]

Vancouver 69

• UVA-30043-20w-1326lm [6.3."x6.3"-23.6"]

Vancouver 70

• UVA-30051-40w-2781lm [9.4"x9.4"-39.3"]

Vancouver 71

• UVA-30052-40w-2781lm [9.4"x9.4"-39.3"]

Vancouver 72

• UVA-30053-40w-2781lm [9.4"x9.4"-39.3"]

E18

landscapeforms®

LEO Area Light

Specification Sheet

Project Name: _____ Job Location: _____

Fixture Type: _____ Fixture Quantity: _____

Source	LED
Input Voltage	120V-277V
Frequency	50/60Hz
EPA	1.14 ft^2
Weight	40 lbs

LEO is finished with Pangard II®, offered exclusively by Landscape Forms, is a 19 step program of cleaning, priming, and powdercoating that resists rusting, chipping, peeling and fading to produce the finest metal finish available for site furniture and outdoor lighting. In addition, Pangard II® contains no heavy metals and is free of Hazardous Air Pollutants.

LEO Area Light							
_____	**Product**	LE330 (LEO 30 LED Area Light)	LE350 (LEO 50 LED Area Light)				
_____	**Distribution**	T2 (Type II)	T3 (Type III)	T4 (Type IV)			
_____	**Output**	LO (Low Output)	HO (High Output)				
_____	**Lens**	CLR (Clear Lens)	FRS (Frosted Lens)				
_____	**Color Temperature**	30K (3000K)	35K (3500K)	40K (4000K)			
_____	**Input Voltage**	UV1 (120V-277V, 50/60Hz)					
_____	**Mounting**	4A (4"Ø Clamp - Single Arm)	4B (4"Ø Clamp - Double Arm)	5A (5"Ø Clamp - Single Arm)	5B (5"Ø Clamp - Double Arm)	6A (6"Ø Clamp - Single Arm)	6B (6"Ø Clamp - Double Arm)
_____	**Photo/Motion Sensor**	NMS (No Motion Sensor)	MS1 (With Motion Sensor)				
_____	**Powdercoat Color** *						

Example: LE350 – T3 – HO – *CLR – 30K – UV1 – 6A – MS1 – Powdercoat Color* *

* Click here to view the powdercoat color options.

LEO Aluminum Pole					
_____	**Product**	LE (LEO Area Light)			
_____	**Pole Height**	12 (144 in)	16 (192 in)	20 (240 in)	25 (300 in)
_____	**Configuration**	A (Single / Double) *	S (Staggered) **		
_____	**Twist Lock**	NTW (No Twist Lock)	TW1 (With Twist Lock)		
_____	**Base Option**	NUT (Nut Covers)	CPT (Cover Plate)		
_____	**Powdercoat Color** ***				

Example: LE – 25 – *S – TW1 – NUT – Powdercoat Color* ***

* Single or double luminaires available with this configuration.
** Available with 20 and 25 pole heights.
*** Click here to view the powdercoat color options.

Modifications

Don't see what you are looking for? Our goal is to partner with you as the designer to manufacture solutions needed for the space you are creating. We offer the option to modify our standard product to meet certain design specifications or needs. Common modifications can include GCFI outlets, custom RAL colors, banner arm(s) mounting, and custom pole heights. Contact your local Landscape Forms representative to learn more about these offerings.

Landscape Forms, Inc. | 800.521.2546 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

Notes

_____

_____

_____

_____

Please send completed forms to your Landscape Forms representative or contact us at (800) 430-6209 with any questions.

Landscape Forms, Inc. | 800.521.2546 | F 269.381.3455 | 7800 E. Michigan Ave., Kalamazoo, MI 49048

LEO Area Light

Product Data Sheet | LE330 & LE350

landscapeforms®

LEO area lights are at home in more places. LEO's multiple distributions and outputs address both visual comfort and performance, with configurable options that let landscape architects, lighting designers, and electrical engineers focus on what's important for their project, whether it is an improved visual experience for intimate pedestrian-scale settings or lumen outputs and pole spacing for cost-driven goals. LEO's simple, understated design fits a variety of site designs and architectural styles, and its 19"-diameter housing strikes an aesthetic balance for varying pole heights and spacing.

General Description

- Single, double, or staggered configurations
- Offered in 4 standard pole heights (12', 16', 20', and 25')
- Simple clamping mechanism mounts to 4", 5", and 6" diameter poles
- Optional ANSI136.41 7-pin twist lock receptacle
- Optional photo/motion sensor
- Mounting template and anchor hardware included
- Cast aluminum luminaire ships prewired and fully assembled
- Zero up-light, International Dark-Sky approved
- UL Listed, suitable for wet locations

Electrical

Surge protected 100V-277V 50/60 Hz, dimmable Class 2 LED driver mounted within cast aluminum driver compartment. LED cartridge with weatherproof quick-disconnect provides ease of installation and serviceability. LEO ships prewired.

Housing

Luminaire components are cast aluminum. Acrylic lens seals to the LED cartridge housing. Luminaire mounts to 4", 5", and 6" diameter poles with a simple clamping mechanism and is secured with four screws. Driver compartment cover is secured by two screws on top of the luminaire. All hardware is magni-coated.

LEO Area Light

Light Source: Nichia LEDs
Color Temperature: 3000K, 3500K, 4000K
CRI: 80 min
Optics: PMMA
Lens: Clear or Frosted Acrylic

Distributions

TII

TIII

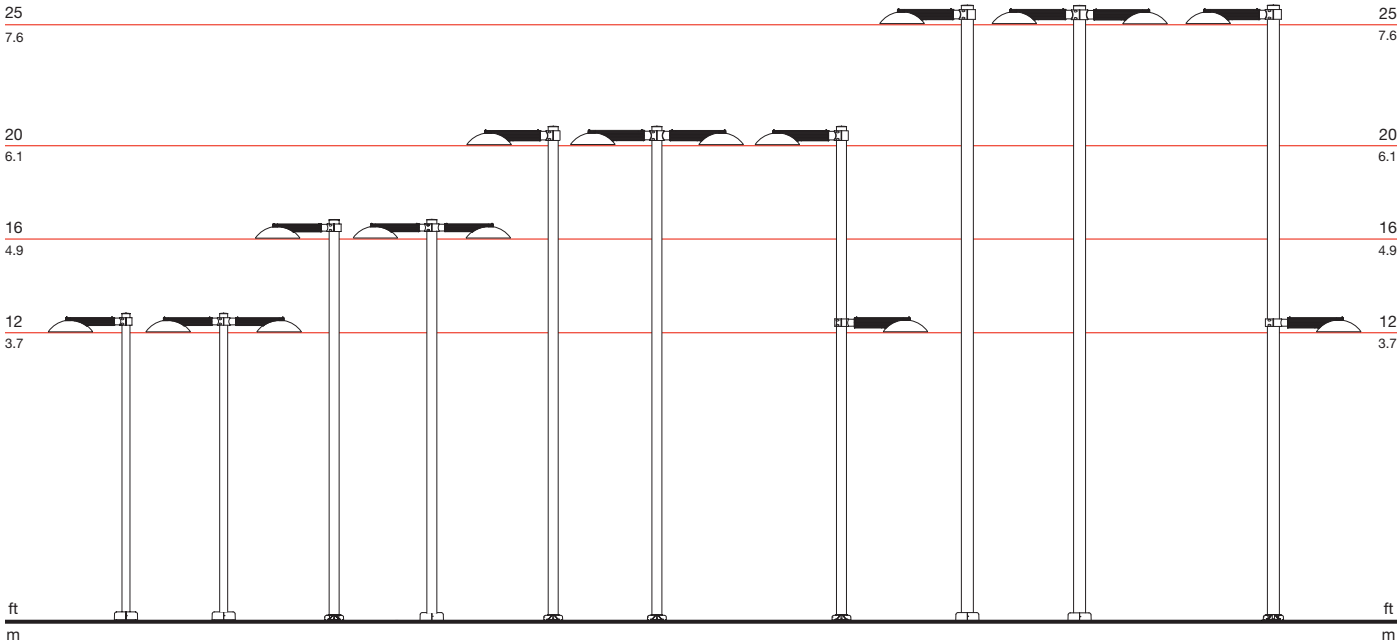
TIV

LEO Area Light

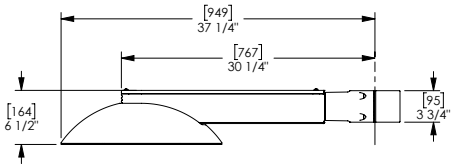
Product Data Sheet | LE330 & LE350

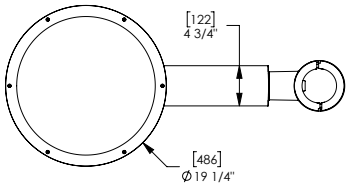
Pole Description

Poles are available in 4”, 5”, and 6” in diameter and are manufactured from seamless 6061 aluminum tubing and heat treated to produce a T6 temper. Wall thickness varies from 0.125" to 0.156” depending on mounting height and number of luminaires. Flush mounted hand hole cover includes two magni-coated fasteners. Base options included a two-piece cast aluminum cover or cast aluminum nut covers.



LEO Area Light

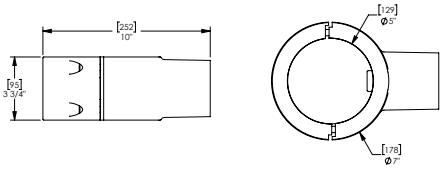




Weight: 40 lbs

EPA: 1.14 ft2

Bracket



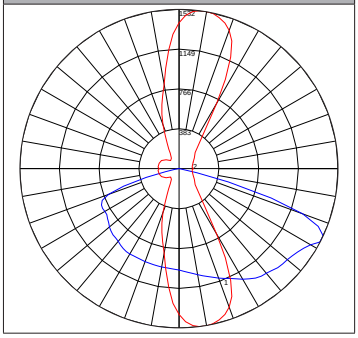
LEO Area Light

Product Data Sheet | LE330 & LE350

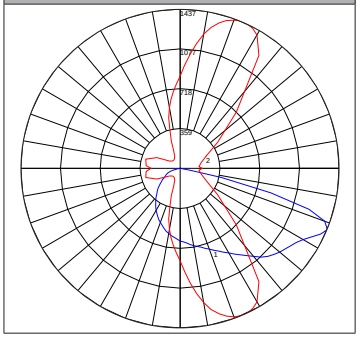
landscapeforms®

Model	Distribution Type	Drive Current	Lumens	Watts	Efficacy	BUG Rating
LE330-T2-25F	Type II	250mA	2929	24	122	B1-U0-G1
LE330-T2-37F	Type II	375mA	4245	37	115	B1-U0-G1
LE330-T3-25F	Type III	250mA	2819	24	117	B1-U0-G1
LE330-T3-37F	Type III	375mA	4085	37	110	B1-U0-G1
LE330-T4-25F	Type IV	250mA	2787	24	116	B1-U0-G1
LE330-T4-37F	Type IV	375mA	4039	37	109	B1-U0-G1
LE350-T2-34F	Type II	340mA	6259	55	114	B2-U0-G2
LE350-T2-46F	Type II	460mA	8119	73	113	B2-U0-G2
LE350-T3-34F	Type III	340mA	6024	55	110	B1-U0-G1
LE350-T3-46F	Type III	460mA	7814	73	107	B2-U0-G2
LE350-T4-34F	Type IV	340mA	5956	55	108	B2-U0-G2
LE350-T4-46F	Type IV	460mA	7726	73	106	B2-U0-G2

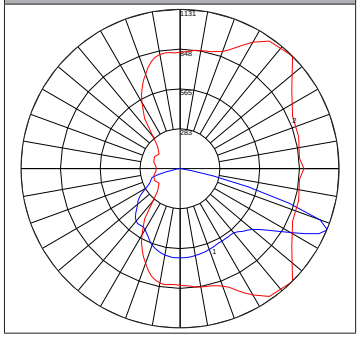
LE330-T2-25F
IES Type II



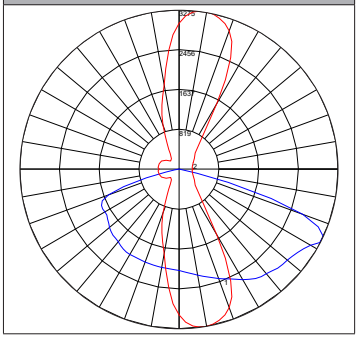
LE330-T3-25F
IES Type III



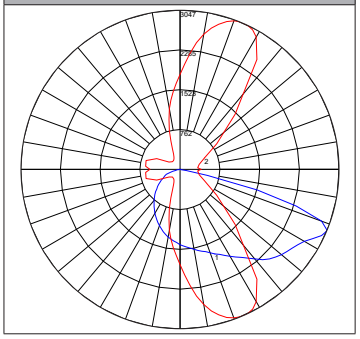
LE330-T4-25F
IES Type IV



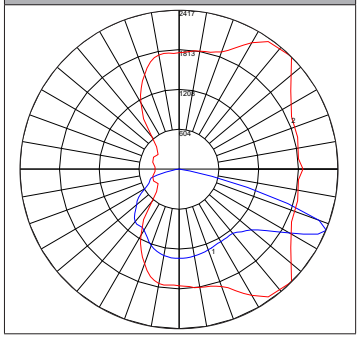
LE350-T2-35F
IES Type II



LE350-T3-35F
IES Type III



LE350-T4-35F
IES Type IV



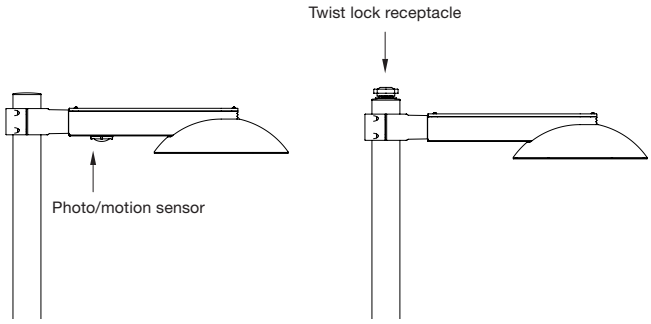
LEO Area Light

Product Data Sheet | LE330 & LE350

Photo/Motion Sensor

- Fully adjustable high and low dimmed light levels; optional to dawn control
- Rated for extreme temperatures and up to 200,000 on/off cycles
- Hold off setpoint with automatic calibration option for convenience and added energy savings
- Adjustable via handheld wireless configuration tool
- IP66 rated for wet and outdoor locations
- Adjustable time delay and cut off delay

Click **here** to view the technical data sheet for the Wattstopper® FSP-211 photo/motion sensor.



Finish

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Don't see what you are looking for? Our goal is to partner with you as the designer to manufacture solutions needed for the space you are creating. We offer the option to modify our standard product to meet certain design specifications or needs. Contact your local Landscape Forms representative to learn more about these offerings.

Product Specifications

Ready to place an order or receive a quote for your project? Reference the LEO Area Light specification sheet available here.

Warranty

LED lighting products are warranted for six years.

Other

UL Listed, RoHS Compliant, Dark-Sky Approved

Designed by John Rizzi in collaboration with Clanton & Associates

Click here for patent information related to this product.

Visit our website landscapeforms.com for more information. Specifications are subject to change without notice. Landscape Forms supports the Landscape Architecture Foundation at the Second Century level. ©2020 Landscape Forms, Inc. Printed in U.S.A.