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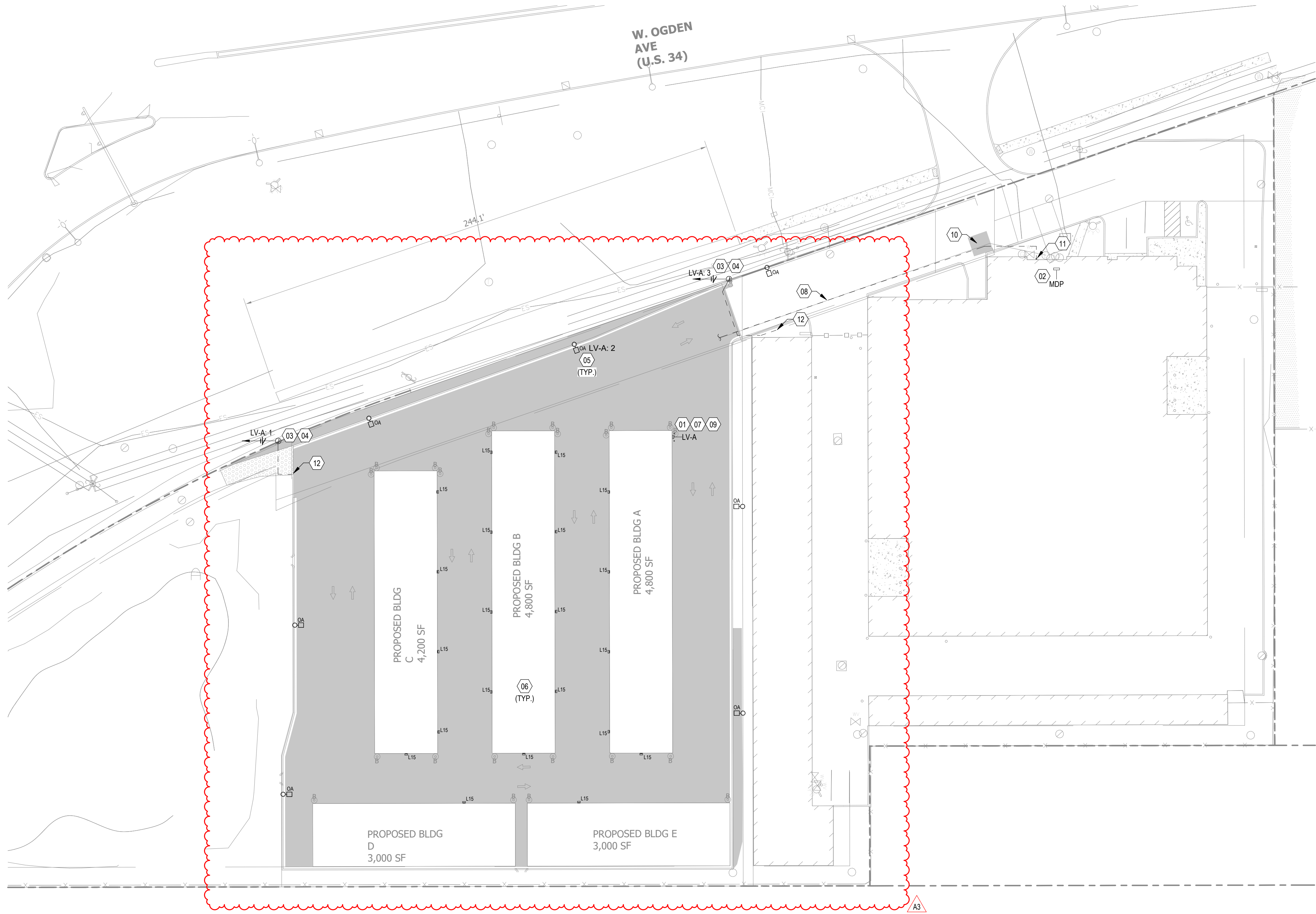
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GENERAL NOTES - SITE:

- A. REFER TO SHEET E-001 FOR ELECTRICAL SYMBOLS AND ADDITIONAL GENERAL NOTES.
- B. COORDINATE ALL INCOMING ELECTRICAL SERVICE WORK WITH THE ELECTRICAL UTILITY COMPANY. PAY ALL FEES AND OTHER COSTS NOT BORNE BY THE ELECTRICAL UTILITY COMPANY TO PROVIDE NEW ELECTRICAL SERVICE TO THE PROJECT BUILDING.
- C. COORDINATE ALL INCOMING TELEPHONE SERVICE WORK WITH THE LOCAL TELEPHONE UTILITY COMPANY. PAY ALL FEES AND OTHER COSTS NOT BORNE BY THE LOCAL TELEPHONE UTILITY COMPANY TO PROVIDE NEW TELEPHONE SERVICE TO THE PROJECT BUILDING.
- D. PROVIDE PULL STRINGS IN ALL UTILITY CONDUITS.
- E. ALL EXTERIOR CONDUITS SHALL BE INSTALLED BELOW THE FROST LINE.
- F. COORDINATE LOCATIONS OF ALL UNDERGROUND CONDUITS, HANDHOLES AND MANHOLES, UNDERGROUND DRAINS, SERVICES, STRUCTURES, AND PAVING.
- G. PROVIDE ADDITIONAL HANDHOLES AND MANHOLES AS REQUIRED BY THE UTILITY COMPANIES. COORDINATE REQUIREMENTS WITH UTILITY COMPANIES PRIOR TO BID.
- H. COORDINATE ALL ROUTING AND TERMINATION LOCATIONS WITH THE UTILITY COMPANIES PRIOR TO BID.
- I. ALL CONDUCTORS FOR EXTERIOR LIGHTING AND POWER CIRCUITS SHALL BE #10 AWG MINIMUM.
- J. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED VIA PHOTOCELL OPERATION.
- K. ALL EXTERIOR LIGHTING SHALL DIM TO 50% FULL BRIGHTNESS FROM 0000 TO 0600 DAILY. PROVIDE 0-10 V WIRING, LIGHTING CONTROLLER, AND NECESSARY COMPONENTS FOR A FUNCTIONAL SYSTEM.
- L. ALL EXTERIOR LIGHTING SHALL BE FULL CUT-OFF, WITH 0% UPLIGHT ALLOWED.

PLAN NOTES

#	NOTE
01	PROVIDE CONCRETE FILLED BOLLARDS TO PROTECT PANELBOARDS, PAINTED SAFETY YELLOW.
02	APPROXIMATE LOCATION OF EXISTING MDP. FIELD VERIFY EXACT LOCATION. VERIFY EXISTING SPARE CAPACITY BY LOGGING PEAK AND TOTAL USAGE FOR 30 DAYS TO CONFIRM SPARE CAPACITY FOR NEW LOADS.
03	PROVIDE (1) 1" C. FROM THIS LOCATION TO NEAREST EXISTING GATE CONTROLLER FOR ACCESS CONTROL CABLING.
04	CONNECT POWER TO NEW GATE OPERATOR. PROVIDE NEMA 3R DISCONNECTING MEANS LOCATED NEAR GATE CONTROLLER.
05	CONNECT ALL SITE POLE LIGHTING TO CIRCUIT INDICATED. PROVIDE 0-10 V DIMMING CONDUCTORS RATED FOR 600 V.
06	BUILDING WALL PACKS ARE SHOWN FOR REFERENCE. REFER TO BUILDING PLANS FOR CIRCUITING.
07	PROVIDE GROUND ROD AND CONCRETE ENCASED ELECTRODE AT EACH SEPARATE BUILDING. DO NOT BOND NEUTRAL TO GROUND AT THESE BUILDINGS.
08	PROPOSED ROUTE FOR NEW CONDUITS TO NEW BUILDINGS, INSTALLED BY BORING UNDERNEATH EXISTING PAVING. PROVIDE (2) ADDITIONAL 1.25" C. TO FIRST BUILDING AND BETWEEN EACH BUILDING FOR LOW VOLTAGE CABLING. COORDINATE WITH CIVIL CONTRACTOR.
09	PROVIDE LIGHTING CONTROLLER WITH 0-10V DIMMING AND ASTRONOMICAL TIME CLOCK CONTROL WITH PHOTOCELL OVERRIDE. ALL EXTERIOR LIGHTING SHALL DIM TO 50% FROM 0000 TO 0600 DAILY.
10	PROPOSED BORE PIT LOCATION. REFER TO CIVIL DRAWINGS FOR DETAILS.
11	TURN CONDUITS UP ON BUILDING EXTERIOR AND TERMINATE IN 24"X24"X12" NEMA 3R JUNCTION BOX, WITH DIVIDER BETWEEN CLASS 1 AND LOW-VOLTAGE WIRING. EXTEND CONDUITS TO FINAL TERMINATION POINT INSIDE EXISTING BUILDING. FIELD LOCATE EXISTING ACCESS CONTROL AND PANELBOARD LOCATIONS.
12	PROVIDE (1) 1" C. FROM GATE OPERATOR TO KEYED BOLLARD LOCATION. FIELD COORDINATE LOCATION IN ISLAND WITH GATE INSTALLER AND CIVIL DRAWINGS.



1 ELECTRICAL SITE PLAN
1" = 30'-0"

Naperville, IL Municipal Code Compliance:
The exterior lighting for this project has been designed in compliance with the requirements set forth in the Naperville, IL Municipal Code, Title 6, Chapter 14. All exterior lighting shall be installed in conformance with these plans.



PERMIT SET
EXTRA SPACE STORAGE, INC.
EXR NAPERVILLE
STORAGE #1259
1432 W OGDEN AVE. NAPERVILLE, IL 60563

#	Revision	Date
A2	CITY REVIEW COMMENTS	09/20/2024
A3	CITY REVIEW COMMENTS	11/04/2024

Project #: 23-700-262

Designed By: BDB

Drawn By: BDB

Checked By: DEB

Date: 04.19.2024



ELECTRICAL SITE PLAN

E-010

EXTRA SPACE STORAGE, INC.
EXR NAPERVILLE
STORAGE #1259

1432 W OGDEN AVE. NAPERVILLE, IL 60563

PERMIT SET

#	Revision	Date
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Justin Barth

Naperville, IL Municipal Code Compliance:
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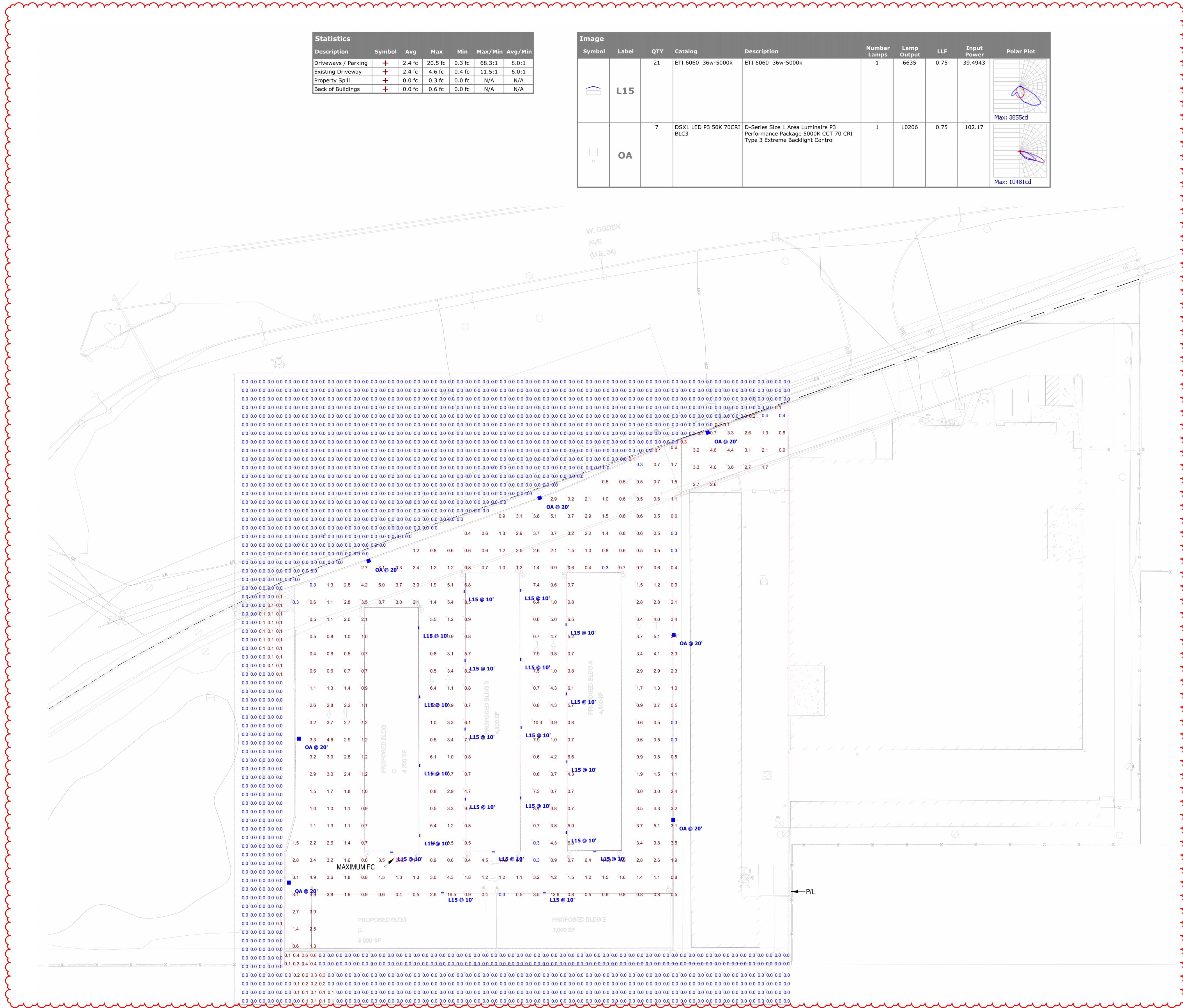
Photometric Calculations Disclaimer:
These calculations were performed in accordance with IES standards, and based on assumed materials and lighting fixture selections. These calculations represent an approximate estimated level of performance at or near end of life of the fixtures indicated, and are to be used for permitting, zoning, and planning purposes only. This plan shall not be used for bidding or construction.

ELECTRICAL SITE
PHOTOMETRIC PLAN

E-011

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Driveways / Parking	+	2.4 fc	20.5 fc	0.3 fc	68.3:1	8.0:1
Existing Driveway	+	2.4 fc	4.6 fc	0.4 fc	11.5:1	6.0:1
Property Spill	+	0.0 fc	0.3 fc	0.0 fc	N/A	N/A
Back of Buildings	+	0.0 fc	0.6 fc	0.0 fc	N/A	N/A

Symbol	Label	QTY	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot
L15		21	ETI 6060 36w-5000k	ETI 6060 36w-5000k	1	6635	0.75	39.4943	
OA		7	DSX1 LED P3 50K 70CRI BLC3	D-Series Size 1 Area Luminaire P3 Performance Package 5000K CCT 70 CRI Type 3 Extreme Backlight Control	1	10206	0.75	102.17	



1 SITE LIGHTING PHOTOMETRIC CALCULATIONS
1" = 30'-0"

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DCCM

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A3	CITY REVIEW COMMENTS	11/04/2024

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Justin Barth

SITE LIGHTING DATA SHEETS

E-800

USLED
Always the Right Choice!

EcoNight®4

Outdoor LED Full Cutoff Wall Pack



Key Features

- Low-wattage, highly-efficient patented LED replacement for legacy HID wall packs.
- Full cutoff design for restrictive lighting zones to eliminate forward/upward light.
- Robust die-cast housing is IP65-rated to protect integral components from harsh environments.

Electrical

- 120-277VAC 0-10V dimming standard.
- System power factor >90% and THD <20%.
- Operating temperature: -40°C to 45°C (-40°F to 113°F).

Mounting

- Designed for wall mounting above four feet from the ground.
- Housing is configured for mounting directly over a standard 4" outlet box (by others) or surface wiring via any of the convenient 1/2" threaded conduit entries.

Construction

- Two-piece die-cast aluminum housing optimizes thermal management.
- Housing is protected by a RoHS compliant, corrosion resistant powder coat finish.
- Standard architectural bronze finish. Consult factory for custom color options.
- Clear tempered glass lens.

Optics

- Industry-leading LEDs with 4000K and 5000K CCT (minimum 70 CRI).
- IES Type III short distribution.
- Lumen Maintenance: ≥167,000 hours (L70).¹

Warranty

- Backed by US LED's industry-leading Ten-Year Warranty.

Project	Date
EXR Naperville	
Catalog Number	Type
ULFC1-1-UNVL-50-40-BZ	L15

Product Performance Summary

Lumen Output	Up to 12,375 lumens
Efficacy	Up to 174 LPW
CRI	≥ 70 CRI
Available CCT	4000K & 5000K
Warranty	Ten-Year Warranty

Product Overview
 Introducing the EcoNight®4 – the next evolution in US LED's energy-efficient wall pack lighting. Designed to replace legacy HID wall packs, the EcoNight®4 offers a full-cutoff design engineered to meet the demands of restrictive lighting zones, eliminating forward/upward light and minimizing light pollution. This cutting-edge LED wall pack guarantees durability and longevity, ensuring steadfast performance even in the harshest conditions. Say goodbye to frequent replacements, as the EcoNight®4 promises ultra-long-life operation, providing sustainable and brilliant lighting for many years.

Product Applications

- Self-Storage Facilities
- Educational Facilities
- Business Campuses
- Industrial Facilities
- Mall/Retail Areas
- Building Exteriors
- Security Lighting
- Parking Lots

Product Certifications

- UL Listed
- DL Premium Listed
- Complies with UL1598 and CSA C22.2
- Suitable for Wet Locations
- IP65 Rated Enclosure
- RoHS Compliant



Example: ULFC1-1-UNVL-50-40-BZ

Ordering Information

Series	Variant	Input Voltage	CCT	Wattage	Finish		
1	Standard	UNVL 120-277V	40	4000K	24 24W	BZ Bronze	
			50	5000K	32 32W	W White ²	
					40	40W	C Custom ²
					45	45W	
					60	60W	
				75	75W		

Accessories	
BB	Remote Battery Back Up
PC	Photocell
C	Castamba Enabled

¹ US LED product "Lifetime" refers only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Reported Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The fixtures are only meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.
² Custom colors available upon request. Please consult and specify color with the factory.
 www.usled.com | 866-972-9191 | customerservice@usled.com
 ULFC1-1-01/2024 Due to continued product improvements, product specifications are subject to change without notice. Please visit www.usled.com for the most updated product specifications.

USLED
Always the Right Choice!

RightChoice

RCAL1 | LED Area/Site Lighting with Selectable CCT



Key Features

- Best-in-class outdoor lighting solution that ensures outstanding performance and value.
- Sleek aesthetic presents a modern appearance for sites and is night sky friendly.
- Easy installation by one person in the field.
- Optional rotatable optics provide design flexibility for unique aspects of a site plan to deliver light exactly where it's needed.
- Selectable correlated color temperature (CCT) with integrated switch.

Electrical

- 120-277VAC or 277-480VAC; 50/60Hz input.
- IP65 rated Class 2 driver; 0-10V dimming standard.
- 10kV surge protection standard; 20kV option also available.
- System power factor >90% and THD ≤20%.
- Operating temperature: -40°C to 50°C (-40°F to 122°F).

Mounting

- Slip fitter, pole mount, or trunnion mounting options available.

Construction

- Die-cast aluminum housing protects integral components from harsh environments and optimizes thermal management.
- Housing is protected by a corrosion resistant powder coat available in standard bronze, white or black finish. Consult factory for custom color options.
- IP65 rated enclosure prevents intrusion from environmental elements that could degrade performance.

Optics

- IP65 rated LED light engine prevents dust or moisture from degrading performance.
- Precision molded optics: IES Type II, Type III, Type IV, or Type V distributions. Optional rotatable optics available (consult factory).
- Industry-leading LEDs with selectable CCT: 3000K, 4000K, and 5000K CCT (min. 80 CRI).
- Lumen Maintenance: ≥167,000 hours (L70).¹

Warranty

- Backed by US LED's industry-leading Ten-Year Warranty.

Project	Date
EXR Naperville	
Catalog Number	Type
RCAL1-15-SCCT-UNVL-1-3-10SP-100-BLS	QA

Product Performance Summary

Lumen Output	Up to 47,318 lumens
Efficacy	Up to 158 LPW
CRI	≥ 80 CRI
Available CCT	Selectable CCT 3000K, 4000K & 5000K
Warranty	Ten-Year Warranty

Product Overview
 The contemporary styling of the Right Choice Series (RCAL1) presents an attractive aesthetic that incorporates seamlessly with the existing architecture. It provides all the benefits of advanced LED technology, including selectable CCT, into a high-performing, ultra-long-life outdoor luminaire. Best-in-class photometric performance ensures exceptional uniformity and optimal pole spacing. With multiple lumen packages and mounting options, the RCAL can be a complete lighting solution for any outdoor application.

Product Applications

- Auto Dealerships
- Retail Parking Lots
- Educational Facilities
- Business Campuses
- Recreational Areas
- Industrial Facilities
- Security Areas
- Site Pathway Areas

Product Certifications

- UL Listed
- Complies with UL1598 and CSA C22.2
- DLC Premium Listed
- Suitable for Wet Locations (IP65 Rated)
- RoHS Compliant



Example: RCAL1-30-SCCT-UNVL-1-3-10SP-Z5 200 N

Ordering Information

Series	Size ²	Selectable CCT	Input Voltage	Finish	Optics	Surge Protect	Product Code	Wattage	Options
15	SCCT	Selectable CCT: 3000K, 4000K & 5000K	UNVL 277V	1	Bronze	2	Type 2 10SP 10kW	100	100W N No Photocell
				2	White	3	Type 3 20SP 20kW	120	120W D1 Photocell
				3	Black	4	Type 4	150	150W D2 Motion Sensor
						5	Type 5	200	200W
								250	250W
						300	300W		

Mounting Accessories	
Example: AGM-B	
Mounting	Finish
DM Adjustable Square and Round Pole - 4" Nomencl	B Bronze
AM Slip Fitter	W White
TM Trunnion	BLK Black
ADM 2 1/4" Round Trunion	
Shielding Accessories	
Shielding	Finish
BLS Back Light Shield	B Bronze
HSS House Side Shield	W White
DK Black	DK Black

¹ US LED product "Lifetime" refers only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Reported Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The fixtures are only meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.
² Size 15 (100W/120W) and Size 30 (200W/250W/300W).
 www.usled.com | 866-972-9191 | customerservice@usled.com
 RCAL1-01/2024 Due to continued product improvements, product specifications are subject to change without notice. Please visit www.usled.com for the most updated product specifications.