

5

4

3

2

1

D

C

B

A

D

C

B

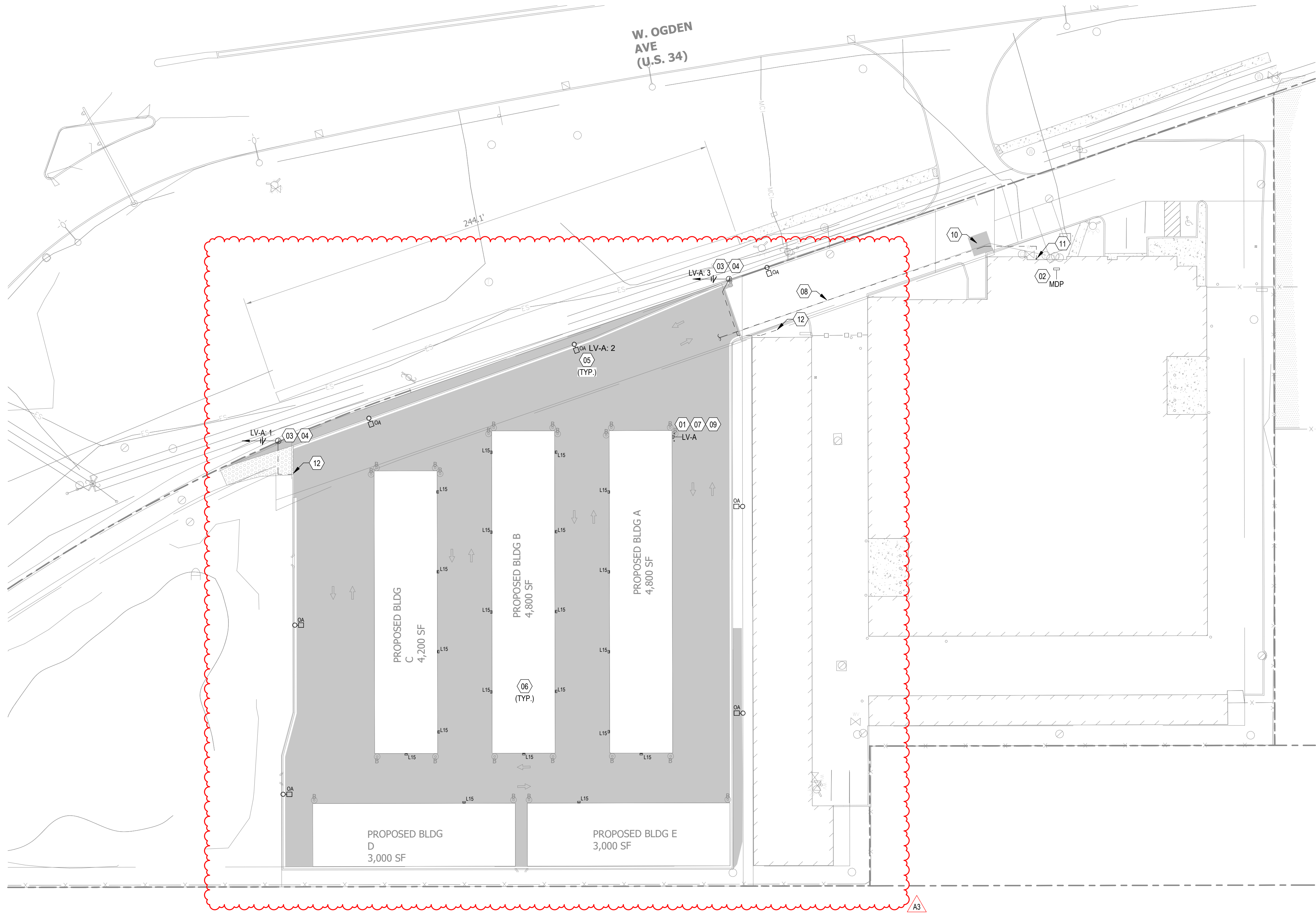
A

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



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

PERMIT SET

| # | 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



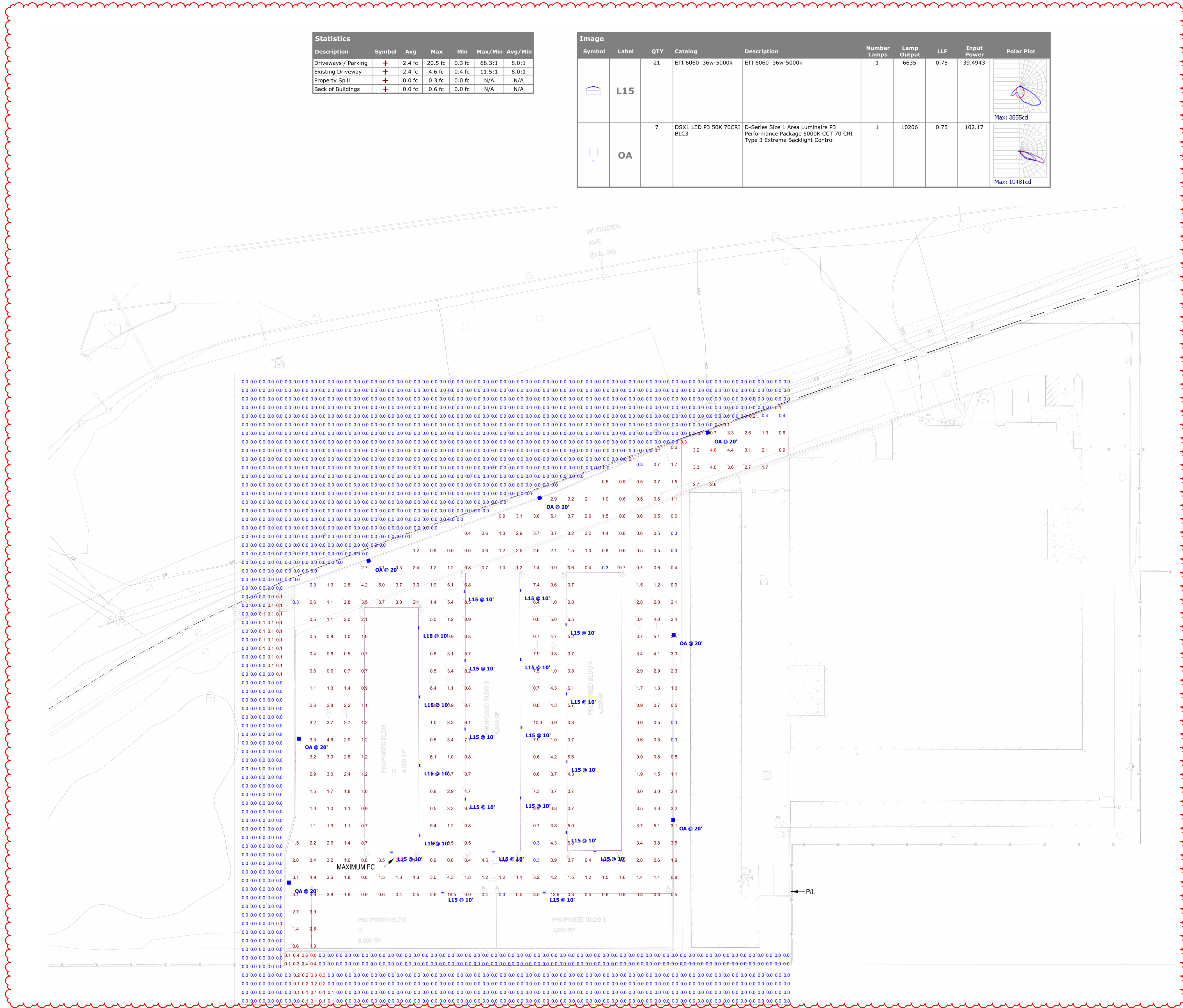
Justin Barth

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 |

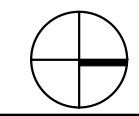
| Symbol | Label | QTY | Catalog | Description | Number Lamps | Lamp Output | LLF | Input Power | Polar Plot |
|--------|-------|-----|----------------------------|---|--------------|-------------|------|-------------|------------|
| L15 | | 21 | ETI 6060 36w-5000k | ETI 6060 36w-5000k | 1 | 6635 | 0.75 | 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"

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.

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.



D

C

B

A

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 Exterior
 - 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 fully warrantable for selected LED degradation and not 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.
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



Ordering Information

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

| Series | Size | Selectable CCT | Input Voltage | Finish | Optics | Surge Protect | Product Code | Wattage | Options |
|--------|------|--------------------------------------|---------------|--------|--------|---------------|--------------|---------|-----------------------|
| 15 | SCCT | Selectable CCT: 3000K, 4000K & 5000K | UNVL 277V | 1 | Bronze | Type 2 | 10SP 10kW | 100 | N No Photocell |
| | | | | | | | | 120 | 120W D1 Photocell |
| | | | | | | | | 150 | 150W D2 Motion Sensor |
| | | | | | | | | 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 Black 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 fully warrantable for selected LED degradation and not warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.
² Size 15 (100W/120W/150W) and Size 30 (200W/250W/300W).
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.

RQAW
DCCM

D

C

B

A

PERMIT SET

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

| # | Revision | Date |
|----|----------------------|------------|
| A3 | CITY REVIEW COMMENTS | 11/04/2024 |

Project #: 23-700-262
Designed By: BDB
Drawn By: BDB
Checked By: DEB
Date: 04.19.2024



Justin Barth

SITE LIGHTING DATA SHEETS

E-800