

## **GENERAL NOTES**

- A THIS ELECTRICAL UTILITIES SITE PLAN IS FOR REFERENCE ONLY. NO CONSTRUCTION IS TO BEGIN UNTIL FINAL UTILITY COMPANY PLANS ARE RECEIVED. UTILITY COMPANY DESIGN IS NOT AVAILABLE AT THIS TIME. ADDITIONAL WORK WILL BE REQUIRED.
- ALL WORK SHALL BE PER UTILITY COMPANY CONSTRUCTION STANDARDS AND SPECIFICATIONS. PROVIDE CONDUIT SPACERS THROUGHOUT AND CONCRETE ENCASEMENT WHERE FEEDERS PASS UNDER DRIVEWAYS AND OR PARKING LOTS.
- ALL TRANSFORMER BOXES, METER PANELS, ELECTRICAL EQUIPMENT AND MISCELLANEOUS UTILITY EQUIPMENT SHALL BE PAINTED TO MATCH ADJACENT BUILDING COLORS WHERE SCREENING IS NOT APPLICABLE. COORDINATE WITH UTILITY PRIOR TO PAINTING.
- SEE SHEET E0.1 GENERAL NOTES FOR ADDITIONAL UTILITY COORDINATION NOTES.
- E ALL EXTERNAL LIGHTING SHALL BE LOCATED AND
  DESIGNED TO PREVENT RAYS FROM BEING DIRECTED OFF
  OF THE PROPERTY LIPON WHICH THE LIGHTING IS LOCATED
- OF THE PROPERTY UPON WHICH THE LIGHTING IS LOCATED.

  F THE CONTRACTOR SHALL PROGRAM THE LIGHTING
  CONTROLLER AS PER THE LIGHTING DIAGRAM PRIOR TO
  CALLING THE CITY FOR THE INSPECTION.
- THE CONTRACTOR IS TO SCHEDULE A NIGHT TIME
  INSPECTION OF THE ENERGIZED LIGHTING, TO ATTEND THIS
  INSPECTION AND TO CORRECT ALL ITEMS IDENTIFIED
  DURING INSPECTION PRIOR TO ISSUING THE FINAL
  CERTIFICATE OF OCCUPANCY.

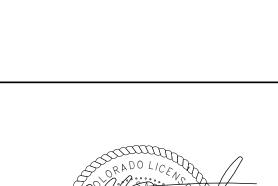
# **KEYED NOTES** ①

- PROPOSED LOCATION OF UTILITY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL PROVIDE CONCRETE PAD PER UTILITY COMPANY REQUIREMENTS. COORDINATE WITH UTILITY COMPANY FOR EXACT REQUIREMENTS AND LOCATION. MAINTAIN MINIMUM CLEARANCE IN FRONT, SIDES AND BACK OF UTILITY TRANSFORMER PER UTILITY REQUIREMENTS.
- 2 PROVIDE SECONDARY CONDUIT WITH MULETAPE FROM NEW UTILITY COMPANY TRANSFORMER TO S.E.S. UTILITY PULL SECTION. COORDINATE WITH UTILITY COMPANY FOR EXACT QUANTITY, ROUTING AND REQUIREMENTS. TRENCHING AND BACKFILL BY ELECTRICAL CONTRACTOR AS REQUIRED BY THE UTILITY. VERIFY EXACT ROUTING, DISTANCE AND P.O.C. WITH UTILITY PRIOR TO DIGGING.
- 3 PROVIDE WEATHER PROOF J-BOX AT GATE FOR CARD READER. VERIFY MOUNTING AND LOCATION WITH OWNER PRIOR TO INSTALLATION.
- PROVIDE (2) 4" UG CONDUITS STUB-UPS WITH PULL STRING FOR FUTURE PHASE 2 ADDITION, FROM SES TO FUTURE BUILDING ELECTRICAL ROOM LOCATION. VERIFY EXACT ROUTING, DISTANCE, AND STUB-UP WITH OWNER PRIOR TO DIGGING.

FOR EXACT ROUTING AND REQUIREMENTS. PROVIDE PULL

- PROVIDE WP J-BOX FOR MONUMENT SIGN LIGHTING.
  COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN.
  ROUTE LIGHTING HOME RUN THROUGH LIGHTING CONTROL
- 6 ROUTE LIGHTING HOME RUN THROUGH LIGHTING CONTROL PANEL OR TIME CLOCK AS REQUIRED FOR CONTROL.
  7 PROVIDE (2) 4" CONDUIT WITH PULLWIRE TO TELCO/CATV POINT OF CONNECTION. COORDINATE WITH UTILITY COMPANY

BOXES AS REQUIRED.





EXPIRES 10/31/2019

# carhuff+cueva architects, llc

3149 e prince rd #151 tucson, arizona 85716 phone 520.577.4560 www.cca-az.com

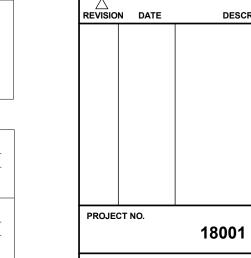
NEW SCHOOL CAMPUS FOR:

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD, PEYTON, CO 80831

CONSTRUCTION DOCUMENTS

DESCRIPTION



JUNE 27, 2018

scale DRAWN
As indicated

ELECTRICAL SITE PLAN

E1.1

ASEIENGINEERING

2410 W. Royal Palm Rd., Suite A, Phoenix, AZ 8502

www.aseiengineering.com o: 602.287.0300 f: 602.287.0600

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DFT: ME/SR

DSN:ME/SR

180790

CHK:CLS

Submit drawings to Utility Company representative as

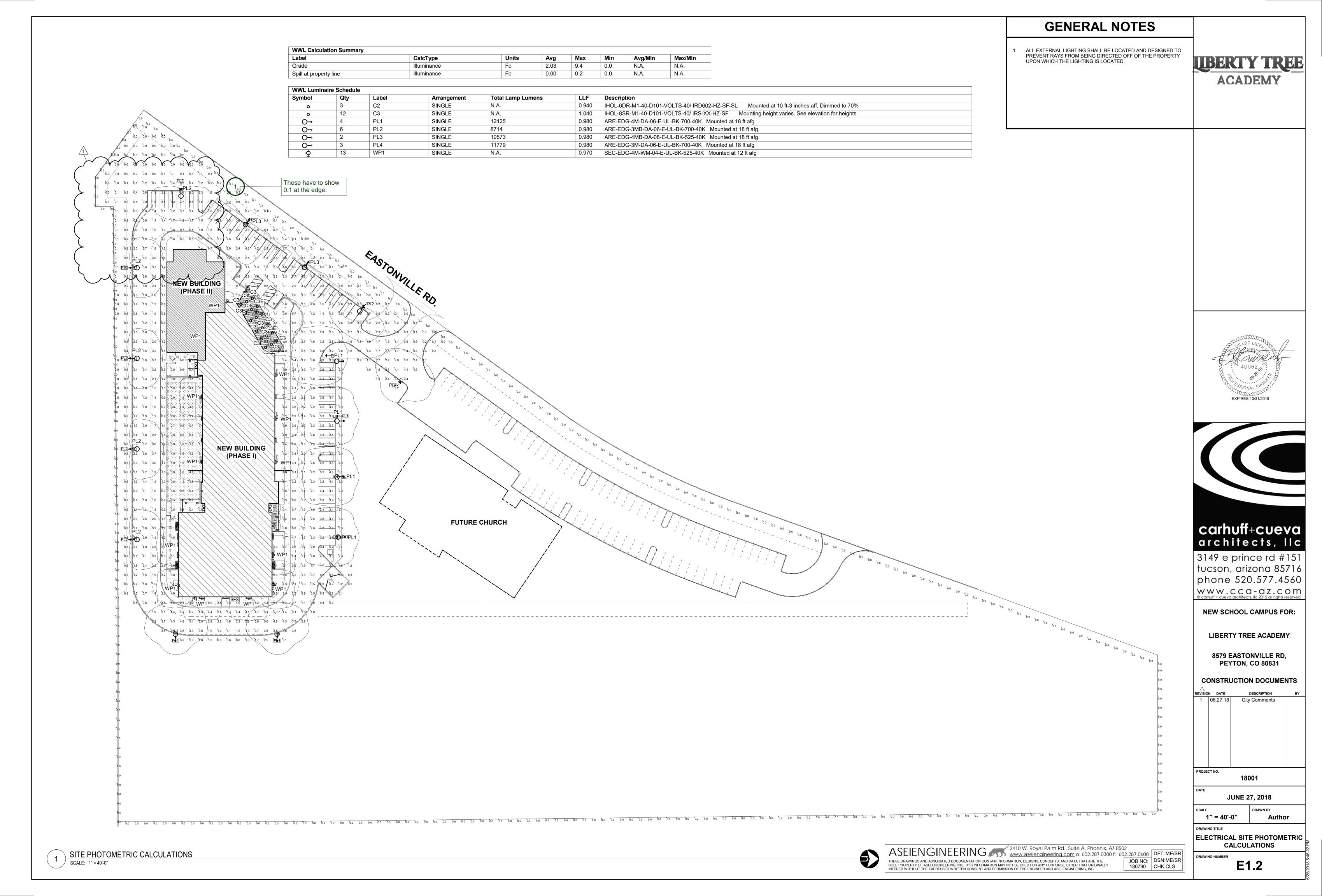
reguired in the General Notes included in the Electrical

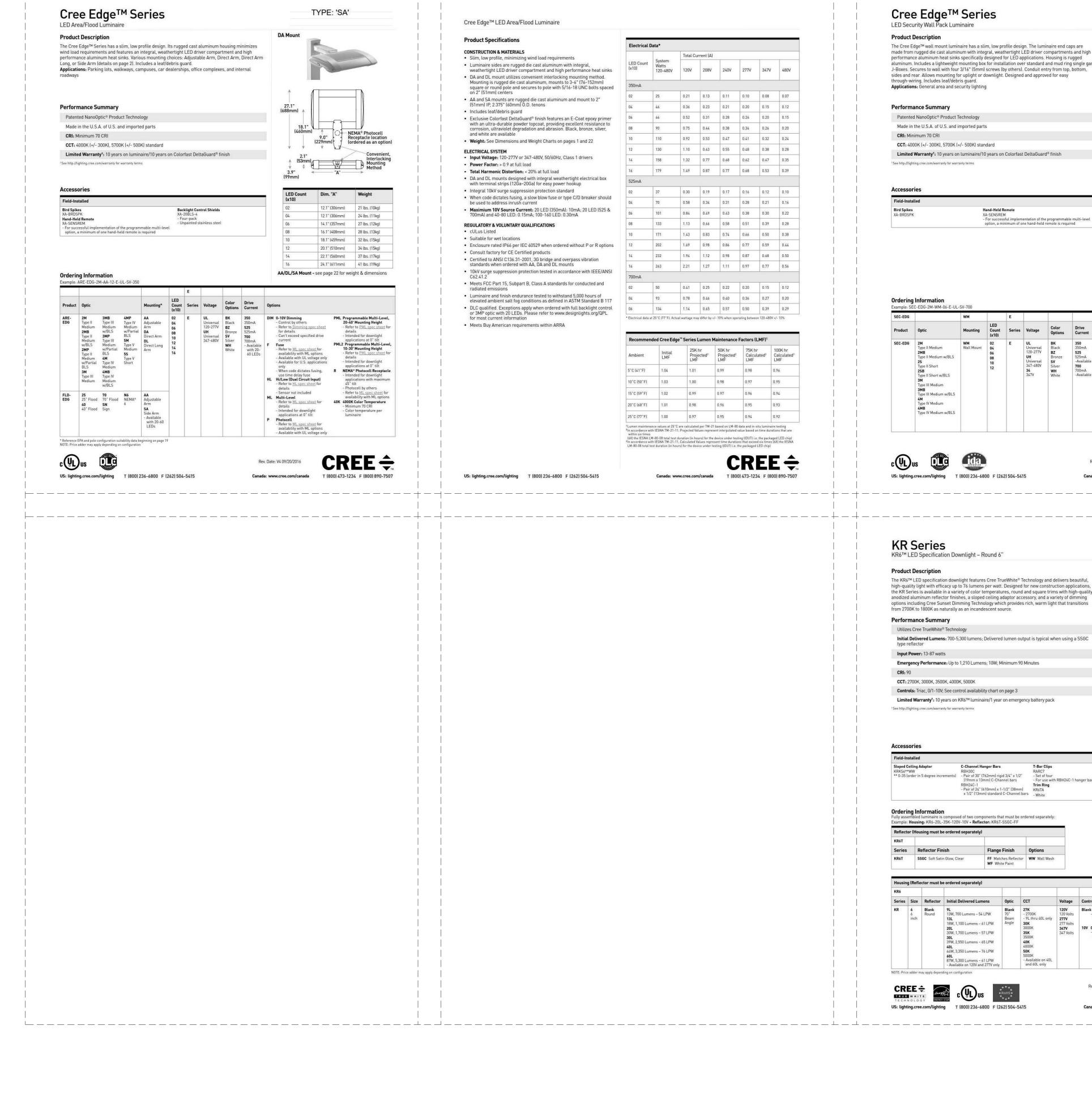
ALL 4-7 WORKING DAYS

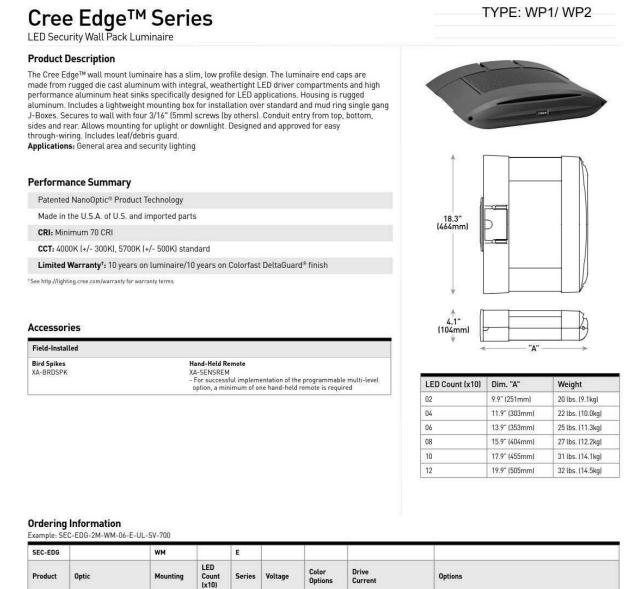
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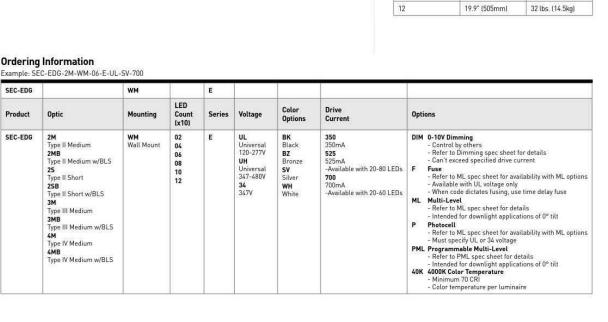
6 ELECTRICAL SITE PLAN
SCALE: 1" = 40'-0"









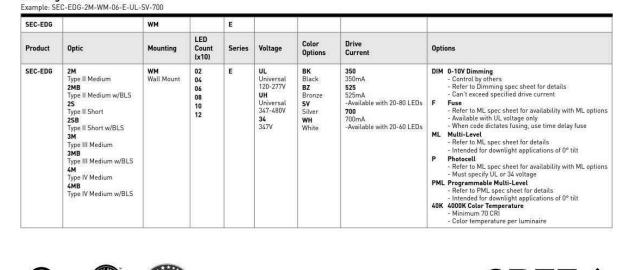


Canada: www.cree.com/canada

TYPE 'C3/C3E'

T (800) 473-1234 F (800) 890-7507

T (800) 473-1234 F (800) 890-7507



Cree Edge™ LED Security Wall Pack Luminaire

### Product Specifications

- **CONSTRUCTION & MATERIALS** · Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance aluminum heat sinks specifically designed for LED applications
- Housing is rugged aluminum Furnished with low copper, light weight mounting box designed for installation over standard and mud ring single gang J-Boxes
- Luminaire can also be direct mounted to a wall and surface wired Secures to wall with four 3/16" (5mm) screws (by others) · Conduit entry from top, bottom, sides, and rear
- · Allows mounting for uplight or downlight Designed and approved for easy through-wiring Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available • Weight: See Dimensions and Weight Chart on page 1
- Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load</li> Integral weathertight J-Box with leads (wire nuts) for easy power hook
- Integral 10kV surge suppression protection standard . To address inrush current, slow blow fuse or type C/D breaker should

### Maximum 10V Source Current: 20 LED (350mA): 10mA; 20LED (525 & 700 mA) and 40-120 LED: 0.15mA REGULATORY & VOLUNTARY QUALIFICATIONS

cULus Listed

- · Suitable for wet locations . Meets FCC Part 15 standards for conducted and radiated emissions
- Enclosure rated IP66 per IEC 60529 when ordered without P, PML or ML
- 10kV surge suppression protection tested in accordance with IEEE/ANSI elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified. Exceptions apply when ordered with full backlight control. Please refer to www.designlights.org/QPL for most current information

US: lighting.cree.com/lighting T (800) 236-6800 F (262) 504-5415

KR6™ LED Specification Downlight – Round 6"

with polished radius and continuous self-flange

· Soft Satin Glow Clear finish, standard

Power Factor: > 0.9 for 120V and 277V

. Total Harmonic Distortion: < 20% at full load

Input Power: 120, 277V, or 347V, 50/60Hz

REGULATORY & VOLUNTARY QUALIFICATIONS

 Suitable for thru-wiring 8#12AWG-90°C · Suitable for damp locations

cULus Listed

Designed for indoor use

A revolutionary way to generate high-quality white light, Cree TrueWhite®

maintaining high luminous efficacy - a true no compromise solution.

ology is a patented approach that delivers an exclusive combination of

90+ CRI, beautiful light characteristics, and lifelong color consistency, all while

. Low brightness parabolic spun Alzak aluminum cone, 0.06" (2mm) thick

2" (51mm) aperture throat to accommodate all standard and up to 3" (76mm) thick ceilings and provide flexibility in mounting within grid

· Light engine, optics, and driver accessible from below ceiling

· Provided with quick mounting brackets for optional carrying channels

Operating Temperature Range: -18°C - +40°C (0°F - +104°F); minimum operating temperature with EB7 option is 0°C (32°F)

• 10V Source Current: 9L & 12L: 0.15mA; 20L-40L: 2.2mA; 60L: 0.11mA

 For standard control offering refer to control availability chart on page 3 For use with Class 2 dimming systems only. Reference http://lighting.cree.com/products/indoor/new-construction-downlights/ kr-series for recommended dimming controls and wiring diagrams

Thermally protected Type NON-IC in accordance with Article 410 of the NEC and UL 1598

Meets FCC Part 15, Subpart B, Class A standards for conducted and

EnergyStar® certified. Please refer to https://www.energystar.gov/

US: lighting.cree.com/lighting T (800) 236-6800 F (262) 504-5415

RoHS compliant. Consult factory for additional details

**Product Specifications** 

CONSTRUCTION & MATERIAL

CREE TRUEWHITE® TECHNOLOGY

Dark Sky Friendly, IDA Approved. Please refer to www.darksky.org most current information	/ fo
Meets Buy American requirements within ARRA	

	Continue	Total Current						
LED Count (x10)	System Watts 120-480V	120V	208V	240V	277V	347V	480V	
350mA	V/41		0				-77	
02	25	0.21	0.13	0.11	0.10	0.08	0.07	
04	46	0.36	0.23	0.21	0.20	0.15	0.12	
06	66	0.52	0.31	0.28	0.26	0.20	0.15	
08	90	0.75	0.44	0.38	0.34	0.26	0.20	
10	110	0.92	0.53	0.47	0.41	0.32	0.24	
12	130	1.10	0.63	0.55	0.48	0.38	0.28	
525mA						-10		
02	37	0.30	0.19	0.17	0.16	0.12	0.10	
04	70	0.58	0.34	0.31	0.28	0.21	0.16	
06	101	0.84	0.49	0.43	0.38	0.30	0.22	
08	133	1.13	0.66	0.58	0.51	0.39	0.28	
700mA								
02	50	0.41	0.25	0.22	0.20	0.15	0.12	
04	93	0.78	0.46	0.40	0.36	0.27	0.20	
06	134	1.14	0.65	0.57	0.50	0.39	0.29	

Electrical Data\*

\* Electrical data at 25°C (77°F)

Ambient	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Calculated <sup>3</sup> LMF	100K hr Calculated LMF			
5°C (41°F)	1.04	0.99	0.97	0.95	0.93			
10°C (50°F)	1.03	0.98	0.96	0.94	0.92			
15°C (59°F)	1.02	0.97	0.95	0.93	0.91			
20°C (68°F)	1.01	0.96	0.94	0.92	0.90			
25°C (77°F)	1.00	0.95	0.93	0.91	0.89			

Recommended KR Series Lumen Maintenance Factors (LMF)1

9L and 13L

40L and 60L

9L and 13L

40L and 60L

Installation

Recommended ceiling cutout 6.5" (165mm)

Note: 30L and 40L versions require marked spacing: 24" (600mm) x 12" (300mm) x ½" (12mm), 24" (600mm) luminaire to luminaire, 12" (300mm) luminaire to side wall, ½" (12mm) above luminaire 60L versions require marked spacing: 48" (1219mm) x 24" (600mm) x 1" (25mm), 48" (1219mm) luminaire to luminaire, 24" (600mm) luminaire to side wall, 1" (25mm) above luminaire

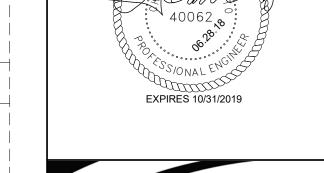
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CREE 🕏

 25K hr
 50K hr
 75K hr
 100K hr

 Projected²
 Projected²
 Calculated³
 Calculated³

 LMF
 LMF
 LMF



**ACADEMY** 



architects, Ilc 3149 e prince rd #151 tucson, arizona 85716 phone 520.577.4560 www.cca-az.com

carhuff+cueva

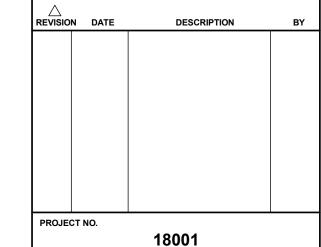
**NEW SCHOOL CAMPUS FOR:** 

LIBERTY TREE ACADEMY

8579 EASTONVILLE RD,

**CONSTRUCTION DOCUMENTS** 

**PEYTON, CO 80831** 



**JUNE 27, 2018** 

DRAWING TITLE

**EXTERIOR LIGHT FIXTURES CUT** SHEETS

DRAWING NUMBER

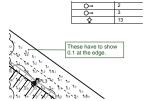
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**Author** 

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## Markup Summary

#### dsdkendall (2)

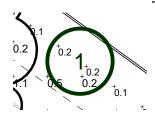


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