

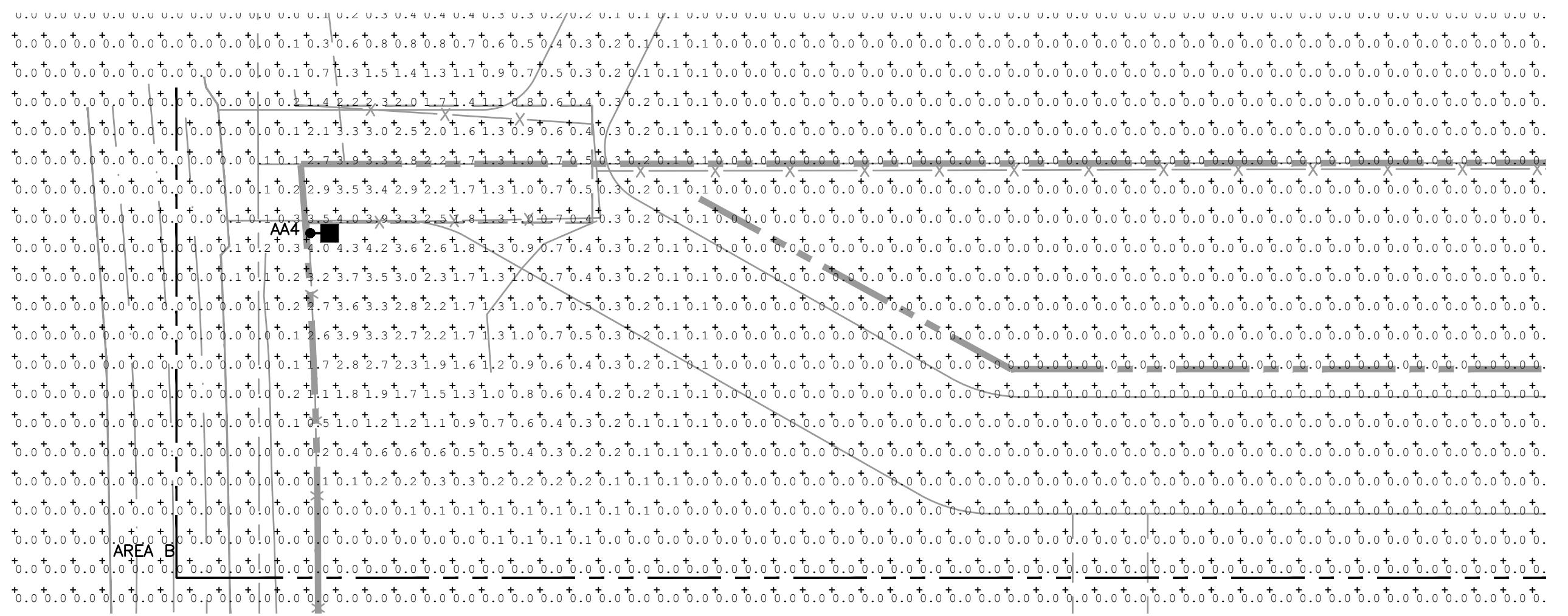
job no. 1813
drawn: CAD
issued:
Oct 8, 2018
Nov 30, 2018

Pete Lien & Sons
TRANS COLORADO CONCRETE
Judge Orr Road & Stapleton Drive Falcon, El Paso County, CO

Concepts West
Architecture, Inc.
Principal:
831 South Nevada Avenue - Suite 100
Colorado Springs, CO 80903 (719) 576-1555

SITE PHOTO-METRIC PLANS

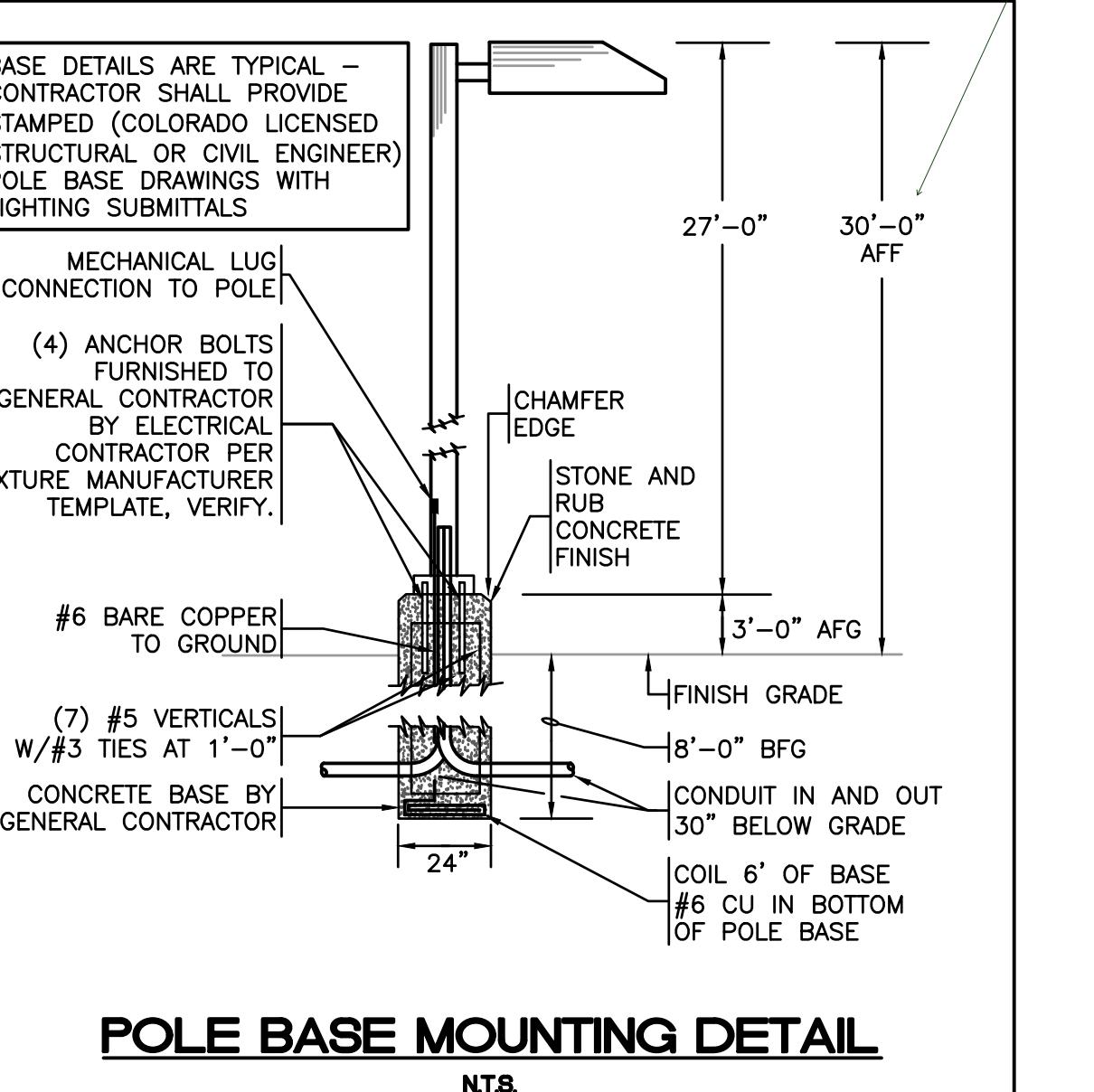
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E0.1



SITE PHOTOMETRIC PLAN - AREA A

0 20 40 80
Scale: T=40'
NORTH

The maximum height for light poles is 15 feet, unless in parking lot, then 20 feet is allowed, an alternative lighting plan may be requested, if those heights cannot be met.

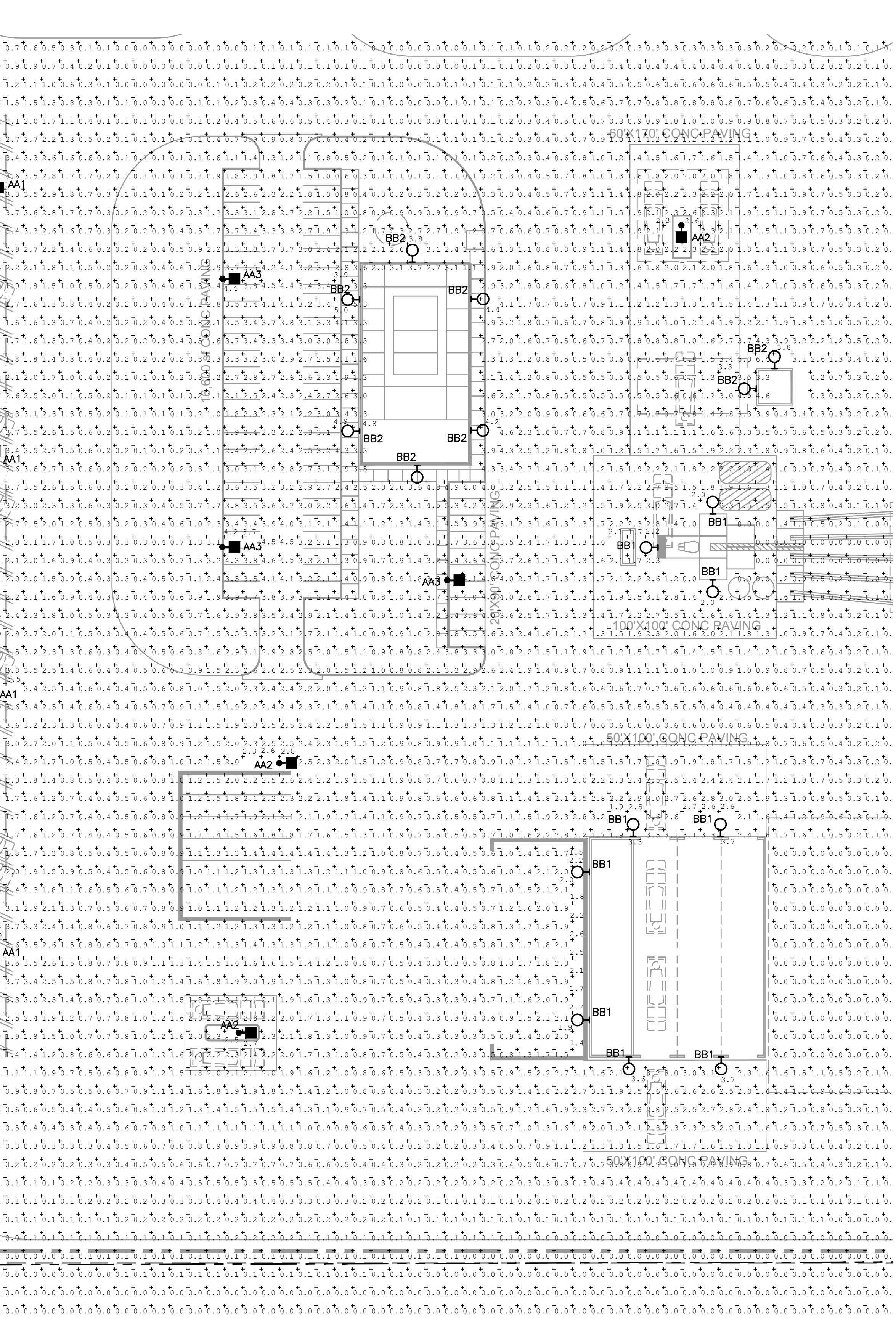


Symbol	Qty	Label	Watts	Lum.	Lumens	LLF	Manufacturer	Catalog
■	4	AA1	333	36392	0.900	MCGRaw-EDISON	GLEON-AP-06-LED-E1-RW	
■	3	AA2	333	37499	0.900	MCGRaw-EDISON	GLEON-AP-06-LED-E1-5WQ	
■	3	AA3	333	35609	0.900	MCGRaw-EDISON	GLEON-AP-06-LED-E1-T3	
■	1	AA4	333	28894	0.900	MCGRaw-EDISON	GLEON-AP-06-LED-E1-SLA-HSS	
□	9	BB1	113	12336	0.900	MCGRaw-EDISON	GWC-AP-02-LED-E1-T4W	
□	8	BB2	59	6313	0.900	MCGRaw-EDISON	GWC-AP-01-LED-E1-T4W	

ELECTRICAL DRAWING INDEX

E0.1 SITE PHOTOMETRIC PLANS
E0.2 ELECTRICAL DETAILS

Label	Avg	Max	Min	Avg/Min	Max/Min
Property Line	0.02	0.1	0.0	N.A.	N.A.
Site	0.27	6.4	0.0	N.A.	N.A.
Fuel Area	2.20	2.7	1.8	1.22	1.50
Mixer Truck Parking	2.57	4.1	1.1	2.34	3.73
Office Parking	2.95	5.0	0.6	4.92	8.33



SITE PHOTOMETRIC PLAN - AREA A

0 20 40 80
Scale: T=40'
NORTH

DESIGN IN PROGRESS
NOT FOR CONSTRUCTION
02-19-19

RJN Nutt & ASSOCIATES, LLC
ELECTRICAL ENGINEERS
4645 W. 18TH ST., SUITE #200
GREELEY, COLORADO 80634
(970) 330-3266

job no. 1813
drawn: CAD
issued: Oct 8, 2018
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Pete Lien & Sons TRANS COLORADO CONCRETE

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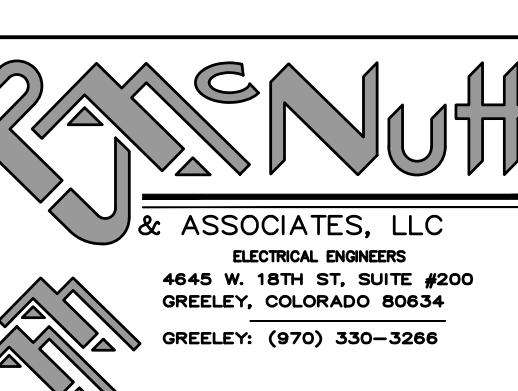
Principal:
831 South Nevada Avenue - Suite 100

Gary M. Harrison
Calgary Springs, CO 80903 (719) 576-1555

ELECTRICAL DETAILS

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E0.2

DESIGN IN PROGRESS
NOT FOR CONSTRUCTION
02-07-19



sheet
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McGraw-Edison
DESCRIPTION
The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadway, buildings areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

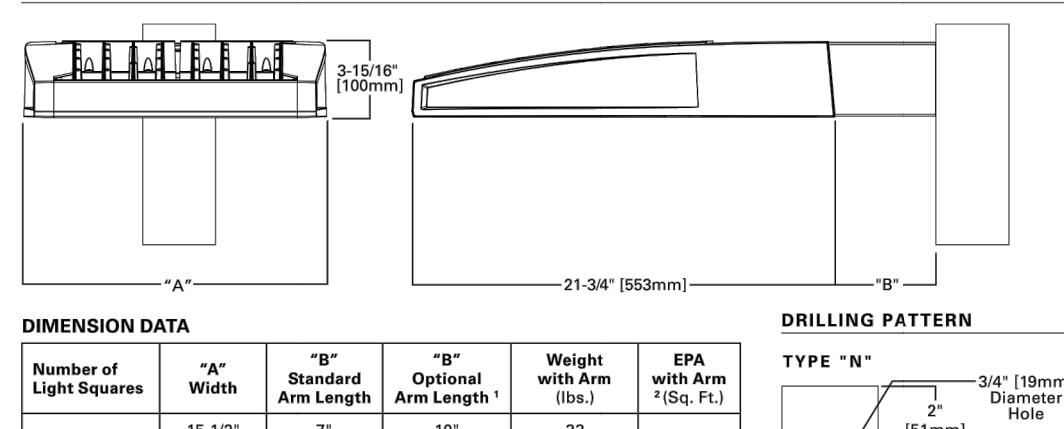
Catalog #	Type
Project	TCC JUDGE ORR PHOTOMETRICS
Comments	AA1,AA2,AA3,AA4
Prepared by	2/07/19

SPECIFICATION FEATURES

Construction
Extruded aluminum driver enclosure with thermal isolation from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and provide aluminum heat sinks. A unique, patent-pending interlocking housing and heat sink provides scalability with super-easy assembly. Galleon™ vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Options
Patented, high-efficiency input and output AccuLED Optics™. Optics technology Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT, 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90% COT.

Mounting
STANDARD ARM MOUNT: Includes standard mounting arm with internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more fixtures at 90° and 120° apart, the EA-extended arm may be required. Refer to the

DIMENSIONS

DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length	Weight with Arm (lbs.)	EPA with Arm (1 Sq. Ft.)
1-4	15-1/2" (390mm)	10"	33	0.96	
5-6	21-5/8" (540mm)	7"	10"	44	1.00
7-8	27-5/8" (720mm)	7"	13"	54	1.07
9-10	33-3/4" (850mm)	16"	63	54	1.07

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

DRILLING PATTERN

*www.designlights.org

EATON
Powering Business Worldwide

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McGraw-Edison
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	
GLEON-AF-02	7" Arm (Standard)	
GLEON-AF-03	7" Arm (Standard)	
GLEON-AF-04	7" Arm (Standard)	
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

NOTES: 1 Round poles are 3 @ 90°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

STANDARD WALL MOUNT


NOTES: 10-5/32" (265mm) 21-3/4" (563mm) 7" (178mm) 2-7/16" (61mm) 8-1/8" (206mm) 3-3/16" (82mm) 3" (76mm) 3-13/16" (97mm) 12-1/16" (311mm) Dia-Hole

NOTES: 1 Round poles are 3 @ 90°. Square poles are 3 @ 90°.

MAST MOUNT

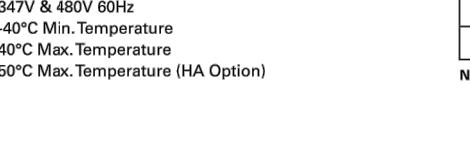

NOTES: 3" (76mm) 12-1/16" (311mm) Dia-Hole

NOTES: 1 Round poles are 3 @ 90°. Square poles are 3 @ 90°.

QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)

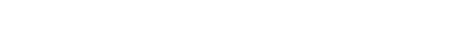

NOTES: 4-15/16" (125mm) 3-3/4" (96mm) 1-1/4" (32mm) 6-15/16" (177mm) 4-7/8" (124mm) 9/16" (15mm) Dia-Hole

NOTES: 1 OM option available with 1 light square configurations. 2 GMEA option available with 1-8 light square configurations. 3 GMEA arm to be used when mounting two fixtures at 90° on a single pole.

QM Quick Mount Arm (Standard)


NOTES: 3-15/16" (100mm) 21-3/4" (553mm) 10-5/8" (269mm) 18-9/16" (462mm)

NOTES: 1 Round poles are 3 @ 90°. Square poles are 3 @ 90°.

GMEA Quick Mount Arm (Extended)


NOTES: 3-15/16" (100mm) 21-3/4" (553mm) 10-5/8" (269mm) 18-9/16" (462mm)

NOTES: 1 Round poles are 3 @ 90°. Square poles are 3 @ 90°.

QUICK MOUNT ARM DATA

Number of Light Squares	"A" Width	"B" Width	Weight with Arm (lbs.)	EPA with Arm (1 Sq. Ft.)
1-4	15-1/2" (390mm)	10"	33	0.96
5-6	21-5/8" (540mm)	7"	44	1.00
7-8	27-5/8" (720mm)	7"	54	1.07
9-10	33-3/4" (850mm)	16"	63	1.12

NOTES: 1 OM option available with 1 light square configurations. 2 GMEA option available with 1-8 light square configurations. 3 GMEA arm to be used when mounting two fixtures at 90° on a single pole.

NOTES: 1 Round poles are 3 @ 90°. Square poles are 3 @ 90°.

QUICK MOUNT ARM DATA

Number of Light Squares	"A" Width	Weight with QM Arm (lbs.)	Weight with GMEA Arm (lbs.)	EPA (Sq. Ft.)
1	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	
5-6	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.77 kgs.)	1.11
7-8	27-5/8" (720mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

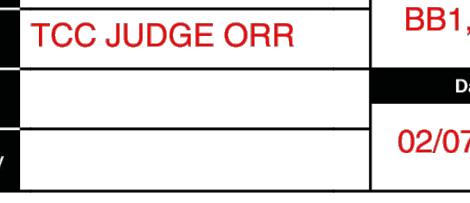
NOTES: 1 OM option available with 1 light square configurations. 2 GMEA option available with 1-8 light square configurations. 3 GMEA arm to be used when mounting two fixtures at 90° on a single pole.

NOTES: 1 Round poles are 3 @ 90°. Square poles are 3 @ 90°.

GWC GALLEON WALL


NOTES: 15-11/16" (400mm) 12-1/8" (308mm)

NOTES: 1 Round poles are 3 @ 90°. Square poles are 3 @ 90°.

HOOK-N-LOCK MOUNTING


NOTES: 15-11/16" (400mm) 12-1/8" (308mm)

NOTES: 1 Round poles are 3 @ 90°. Square poles are 3 @ 90°.

BATTERY BACKUP AND THRU-BRANCH BACK BOX


NOTES: 15-11/16" (388mm) 1-11/16" (43mm)

NOTES: 1 Round poles are 3 @ 90°. Square poles are 3 @ 90°.

ELECTRICAL DATA

Electronics LED Driver

>0.9 Power Factor

<0.9 Total Harmonic Distortion

120-277V & 50/60Hz

480V@60Hz

-30°C Minimum Temperature

-40°C Ambient Temperature Rating

AccuLED Optics™

Choice of thirteen patented, high-efficiency AccuLED Optics™. Optics are specifically designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90% COT.

UPLIGHTING: Specified with the UPL for inverted mounting. Additional protections to maintain up-right housing with additional IP rating.

OPTICS: Choice of thirteen patented, high-efficiency AccuLED Optics™. Optics are specifically designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and 70 CRI. Optional 3000K, 5000K and 6000K CCT. Greater than 90% COT.

WARRANTY: Five-year warranty.

NOTES: 1. Only available with BBB or CWB in single light square. HA option available for single light square only. Limited to 1A and below.

2. Not available with BBB, SLL, SLA, HA, BBB, CWB, R, or PERF options.

3. Only for use with UL listed ground fault circuit interrupter systems, impedance grounded systems, or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase Four Wire, and Four Wire Ground Fault Protection).

4. Compatible with standard 3-P wire photocells, 5-PN or 7-PN NAB controls.

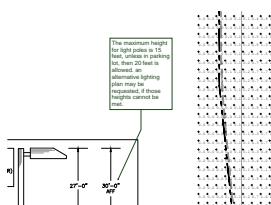
5. FSR100 configuration tool is required to adjust parameters including low and high modes, sensitivity, delay, cutoff and more. Consult your lighting representative at Eaton for more information.

6. Includes integral photocells.

7. Lumawatt sensors are factory installed requiring network components in appropriate quantities. See

Markup Summary

dSDKendall (1)



Subject: Callout

Page Label: [1] 1 19005 - E0.1 - E0.1

Lock: Unlocked

Author: dSDKendall

Date: 3/26/2019 3:42:52 PM

Color: ■

The maximum height for light poles is 15 feet, unless in parking lot, then 20 feet is allowed. An alternative lighting plan may be requested, if those heights cannot be met.