



PLAN NOTES:

- 1) NEW POLE MOUNTED LIGHT FIXTURE SHALL BE INSTALLED IN APPROXIMATE LOCATION SHOWN.
RE: LIGHTING FIXTURE SCHEDULE ON SHEET SL200

CALCULATION SUMMARY

AREA	AVE	MAX	MIN	MAX/MIN	AVE/MIN
PRIVATE DR - BLACK TWIG RD	1.81	4.4	0.2	22.00	9.05

NOTES
1) N/A

MEP ENGINEER



InSite Group

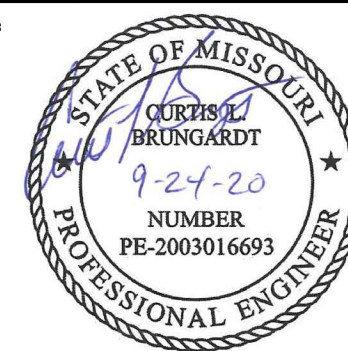
DEDICATION. DESIRE. INTEGRITY.
3540 NE RALPH POWELL RD. STE. B
LEE'S SUMMIT, MO. 64064
PHONE: (816) 228-3377

SUMMIT AT WEST PRYOR
PHASE II SITE LIGHTING

LEE'S SUMMIT, MO
JACKSON COUNTY

THIS DRAWING is provided as an instrument of service by the Engineer, and is intended for use on this Project ONLY. This Drawing Remains the Property of the Engineer and shall be Returned to him upon completion of the construction work. All Drawings, Specifications, Ideas, Designs and Arrangements appearing herein constitute the original and unpublished Work of the Engineer. Any Reproductions, Use or Disclosure of the Proprietary Information contained herein Without the PRIOR Written Consent of the Engineer is strictly Prohibited.
© Copyright 2020 InSite Group, Inc.

SEAL



REV	DESCRIPTION	DATE

ISSUE DATE:	09/24/2020
REASON FOR ISSUE:	PERMIT
PROJECT NUMBER:	20-6812-0
PROJECT PHASE:	CD
DRAWN BY:	AWN
CHECKED BY:	CLB

SHEET TITLE:

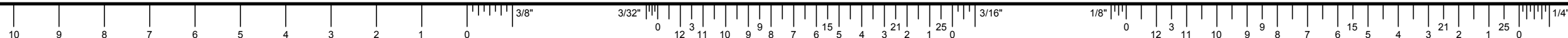
PHOTOMETRIC
PLAN

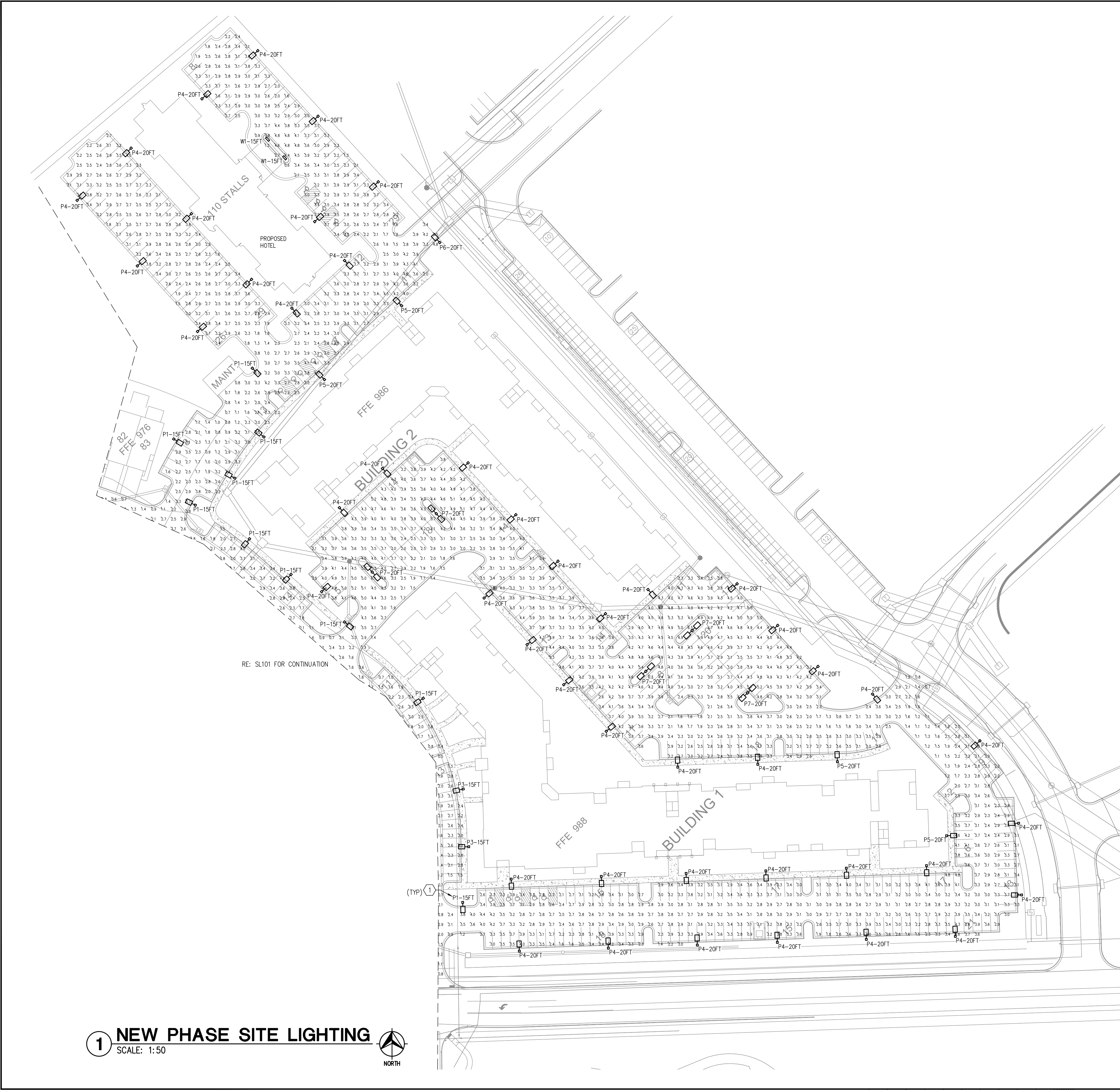
SHEET NUMBER:

SL101

1) TOWNHOUSE SITE LIGHTING

SCALE: 1:50





PLAN NOTES:

- 1) NEW POLE MOUNTED LIGHT FIXTURE SHALL BE INSTALLED IN APPROXIMATE LOCATION SHOWN.
RE: LIGHTING FIXTURE SCHEDULE ON SHEET SL200

CALCULATION SUMMARY

AREA	AVE	MAX	MIN	MAX/MIN	AVE/MIN
NEW PHASE AREA	3.38	6.5	0.7	9.29	4.83
PROPOSED HOTEL AREA	2.84	6.0	0.6	10.00	4.73

NOTES
1) N/A



InSite Group
DEDICATION. DESIRE. INTEGRITY.
3540 NE RALPH POWELL RD, STE. B
LEE'S SUMMIT, MO 64064
PHONE: (816) 228-3377

SUMMIT AT WEST PRYOR
PHASE II SITE LIGHTING

LEE'S SUMMIT, MO
JACKSON COUNTY

THIS DRAWING is provided as an instrument of service by the Engineer, and is intended for use on this Project ONLY. This Drawing Remains the Property of the Engineer and shall be Returned to him upon completion of the construction work. All Drawings, Specifications, Ideas, Designs and Arrangements appearing herein constitute the original and unpublished Work of the Engineer. Any Reproductions, Use or Disclosure of the Proprietary Information contained herein Without the PRIOR Written Consent of the Engineer is strictly Prohibited.
© Copyright 2020 InSite Group, Inc.

SEAL



REV	DESCRIPTION	DATE

ISSUE DATE:	09/24/2020
REASON FOR ISSUE:	PERMIT
PROJECT NUMBER:	20-6812-0
PROJECT PHASE:	CD
DRAWN BY:	AWN
CHECKED BY:	CLB

SHEET TITLE:

PHOTOMETRIC
PLAN

SHEET NUMBER:

SL102

Catalog #		Type
Project		
Comments		Date
Prepared by		

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, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

Construction
Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

retained, high-efficiency injection-molded AccuLED 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.

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation; 480V is compatible for use with 480V Wye systems only. Standard wiring termination. Shipped standard with Eaton 93MP regulatory circuit module designed to withstand 10kV of transient line surge. The Galeleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the

Round pole adapter included. For wall mounting, specify wall mount bracket option. **QUICK MOUNT ARM:** Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Five-year warranty.

[illegible]

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length	Weight with Arm (lbs.)	EPA with Arm (Sq. Ft.)
1-4	15-1/2" (394mm)	17"(mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21 5/8" (549mm)	17"(mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27 5/8" (702mm)	17"(mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	17"(mm)	16" (406mm)	63 (28.6 kgs.)	1.12

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.

UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
IP68 Rated
DesignLights Consortium® Qualified

>0.9 Power Factor
 <20% Total Harmonic Distortion
 120V-277V 50/60Hz
 347V & 480V 60Hz
 -40°C Min. Temperature
 40°C Max. Temperature
 50°C Max. Temperature (HA Option)

TD5000
March 12, 2018 4:5

Product Family: GLEON-A04-F4-LED-E173-QM-OM							
Options	Light Engine	Light Senses ¹	Lamp Type	Voltage	Distribution	Color	Mounting
Family 1	AL-1A Drive Current	01-1 02-1 02-2 02-3 02-4 02-5 02-6 02-7 02-8 02-9 02-10	LED-Solid State Light Emitting Diodes	E1-120-277V 347-347V¹ 480-480V¹	T2-Type II T2-Type III Roadway T3-Type III T3R-Type III Roadway T4-Type III Roadway T4W-Type IV Wide T5-Type IV Narrow TM5-Type V Square Medium TM6-Type V Square Wide S-2-Type II w/Spill Control SL3-Type II w/Spill Control S-4-Type II w/Spill Control SL4-Type II w/Spill Control SL5-Type II w/Spill Control SL6-90° Spill Light Eliminator Right SL7-Rectangular Wide Type I APL-Automotive V-Beam	AP-Gray B2-Beacon EA-Extended Arm OD-Dark Platinum OW-White MT-Metallic WH-White	[Blank-Arm for Round or EA-Extended Arm] Square Pole MA-Mast Arm Adapter² OM-Quick Mount Arm OM-Quick Mount Arm (Standard Length) OM-Quick Mount Arm (Extended Length)³
Options (Add as Suffix)							
0210A-120 3000K⁴ 0210B-30 3000K⁴ 0210C-700 5000K⁴ 0210D-700 6000K⁴ 600-Drive Current Factory Set to Nominal 600mA 800-Drive Current Factory Set to Nominal 800mA 1200-Drive Current Factory Set to Nominal 1200mA⁵ E-Single Fuse (120, 277 or 480V, Must Specify Voltage) F-Double Fuse (120, 277 or 480V, Must Specify Voltage) DIM-External 0-10V Dimming Lens P-Burner Type Photocell (120, 270 and 277V, Must Specify Voltage)⁶ PERF-NEMA 7-Pin Twisted-Potentiometer Receptacle⁷ R-NEA Twisted-Potentiometer Receptacle⁸ R-NEA16-After Hours 8, 8 Hours⁹ AH26-A After Hours 26, 8 Hours⁹ AH28-A After Hours 28, 7 Hours⁹ AH28-B After Hours 28, 8 Hours⁹ HA-50° High Beam NS/DIM-LAS-Motion Sensor for Dimming Operation, Maximum 6 Mounting Height^{10,11} NS/DIM-LAS-Motion Sensor for Dimming Operation, 21-4' Mounting Height^{10,11} NS/DIM-LAS-Motion Sensor for Dimming Operation, 21-4' Mounting Height (Wide Range)^{10,11} NS/X-120-L1-Level Motion Sensor, Maximum 6 Mounting Height¹² NS/X-120-L2-Level Motion Sensor, 21-4' Mounting Height¹² NS/X-120-L3-Level Motion Sensor, 21-4' Mounting Height¹² NS/X-140W-B1-Level Motion Sensor, 21-4' Mounting Height (Wide Range)¹³ NS/X-140W-B2-Level Motion Sensor, Maximum 6 Mounting Height¹³ NS/LAS-Motion Sensor for ON/OFF Operation, 9-20' Mounting Height¹⁴ NS/LAS-Motion Sensor for ON/OFF Operation, 21-4' Mounting Height (Wide Range)¹⁴ NS/LAS-Motion Sensor for ON/OFF Operation, 21-4' Mounting Height (Wide Range)¹⁴ LWR-L-LumWatt Pro Wireless Sensor, Wide Lens for 8-16' Mounting Height¹⁵ LWR-L-LumWatt Pro Wireless Sensor, Narrow Lens for 16-40' Mounting Height¹⁵ LO-Optics Rotated 90° Right MT-Factory Installed Mesh Top TH-Top-less Door Hardware LP-Light-Square Trim Plate Painted to Match Housing¹⁶ HS-Factory Installed House Side Shield¹⁷ CE-Ce-Matrix							
Accessories (Order Separately)							
ORA1616-NEMA Photocell Multi-Ton - 105-265V ORA1627-NEMA Photocell - 480V ORA1628-NEMA Photocell - 247V ORA1613-Photocell Shorting Cap ORA1614-120V Photocell MA125-10V Surge Modulator Receptacle MA1036-XS-Single Tension Adapter for 2.38" O.D. Tension MA1037-XS-8190° Tension Adapter for 2.38" O.D. Tension MA1197-XCS-8190° Tension Adapter for 2.38" O.D. Tension MA1197-XCS-8190° Tension Adapter for 2.38" O.D. Tension MA1198-XCS-8190° Tension Adapter for 2.38" O.D. Tension MA1199-XCS-8190° Tension Adapter for 2.38" O.D. Tension MA1200-XS-Single Tension Adapter for 3.12" O.D. Tension MA1200-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1192-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1193-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1194-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1195-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1196-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1197-XCS-8190° Tension Adapter for 2.38" O.D. Tension MA1198-XCS-8190° Tension Adapter for 2.38" O.D. Tension MA1199-XCS-8190° Tension Adapter for 2.38" O.D. Tension MA1200-XS-Single Tension Adapter for 3.12" O.D. Tension MA1200-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1192-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1193-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1194-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1195-XCS-3120° Tension Adapter for 3.12" O.D. Tension MA1196-XCS-3120° Tension Adapter for 3.12" O.D. Tension FSR-100-Wireless Configuration Tool for Occupancy Sensor¹⁸ GLEON-M1-F1-Field Installed Mesh Top for 1-6' Mounting Height¹⁹ GLEON-M2-F1-Field Installed Mesh Top for 6-16' Mounting Height¹⁹ GLEON-M3-F1-Field Installed Mesh Top for 16-18' Mounting Height¹⁹ GLEON-M4-F1-Field Installed Mesh Top for 18-30' Mounting Height¹⁹ GLEON-M5-F1-Field Installed Mesh Top for 30-40' Mounting Height¹⁹ GLEON-OMEA-Quick Mount Extended Arm Kit LS/HS-Field Installed House Side Shield¹⁷							

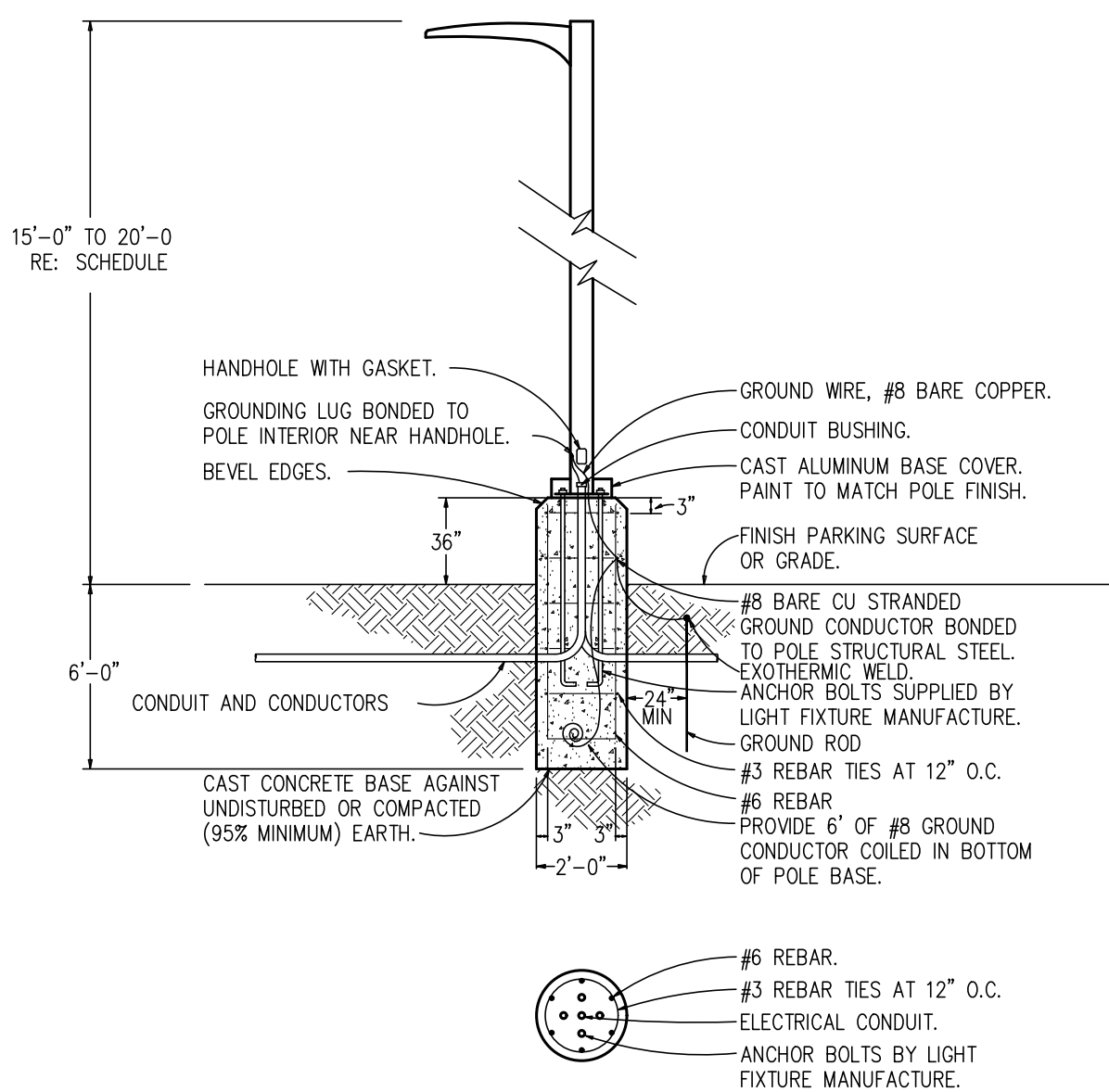
[illegible]

Eaton
Powering Business Worldwide

Reshnee City, GA 30289
P: 770-488-4800
www.eaton.com/fighting

dimensions subject to
change without notice.

TD500020EN



1 LIGHT POLE BASE DETAIL

MARK	MANUFACTURER *	FIXTURE DESCRIPTION	MODEL NUMBER	MOUNTING	COLOR	LAMP			DRIVE CURRENT (QUANTITY/TYPE)	VOLTS	WATTS PER/POLE	NOTES
						QTY	TYPE	CODE				
P1	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 15FT ABOVE FINISHED GRADE, 12FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-01-LED-E1-SL3-BZ POLE: SSA4M12WCN1GV	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	59	1-2
P2	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 15FT ABOVE FINISHED GRADE, 12FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-01-LED-E1-SL2-BZ POLE: SSA4M12WCN1GV	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	59	1-2
P3	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 15FT ABOVE FINISHED GRADE, 12FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-01-LED-E1-SL4-BZ POLE: SSA4M12WCN1GV	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	59	1-2
P4	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 20FT ABOVE FINISHED GRADE, 17FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-02-LED-E1-SL4-BZ POLE: SSA4M17WCN1GV	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	113	1-2
P5	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 20FT ABOVE FINISHED GRADE, 17FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-02-LED-E1-SL3-BZ POLE: SSA4M17WCN1GV	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	113	1-2
P6	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 20FT ABOVE FINISHED GRADE, 17FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-02-LED-E1-SL2-BZ POLE: SSA4M17WCN1GV	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	113	1-2
P7	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH TWO DIRECT ARM MOUNTS AT 180 DEGREES, FIXTURES INSTALLED 90 DEGREES, 20FT ABOVE FINISHED GRADE, 17FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: (2) GLEON-AF-02-LED-E1-SL4-BZ POLE: SSA4M17WCN2GV	POLE	4000K	2 PER POLE	LED	-	(1) 1000mA	MVOLT	226	1-2
P7	McGRAW-EDISON	DARK SKY COMPLIANT WALL MOUNT LIGHT FIXTURE, 15FT ABOVE FINISHED GRADE	FIXTURE: GWC-AF-01-LED-E1-T3	WALL	4000K	1	LED	-	(1) 1000mA	MVOLT	59	1-2

- 1) COORDINATE FINAL FIXTURE/POLE COLORS WITH OWNER.
- 2) INFORMATION PROVIDED IN SCHEDULE IS TO SHOW WHAT WAS USED IN CALCULATION. COORDINATE FINAL FIXTURE WITH OWNER/ENGINEER PRIOR TO ORDERING. LIGHTING CONTROL OPTIONS SHALL BE SELECTED TO COMPLY WITH CITY REQUIREMENTS

* OR PRIOR APPROVED EQUIVALENT



InSite Group
DEDICATION. DESIRE. INTEGRITY.
3540 NE RALPH POWELL RD, STE. B
LEE'S SUMMIT, MO 64064
PHONE: (816) 228-3377

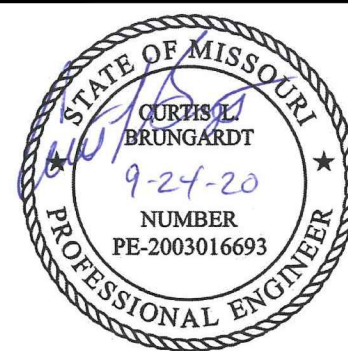
SUMMIT AT WEST PRYOR PHASE II SITE LIGHTING

LEE'S SUMMIT, MO
JACKSON COUNTY

THIS DRAWING is provided as an instrument of service by the Engineer, and is intended for use on this Project ONLY. This Drawing Remains the Property of the Engineer and shall be Returned to him upon completion of the construction work. All Drawings, Specifications, Ideas, Designs and Arrangements appearing herein constitute the original and unpublished Work of the Engineer. Any Reproductions, Use or Disclosure of the Proprietary Information contained herein Without the PRIOR Written Consent of the Engineer is strictly Prohibited.

© Copyright 2020 InSite Group, Inc.

SEAL

[illegible]

ISSUE DATE: 09/24/2020

REASON FOR ISSUE: PERMIT

PROJECT NUMBER: 20-6812-0

PROJECT PHASE:	CL

DRAWN BY: AVVN	CHECKED BY: CLB
----------------	-----------------

SHEET TITLE

LIGHTING SCHEDULES AND DETAILS

SHEET NUMBER:

SL200