

Appendix Q

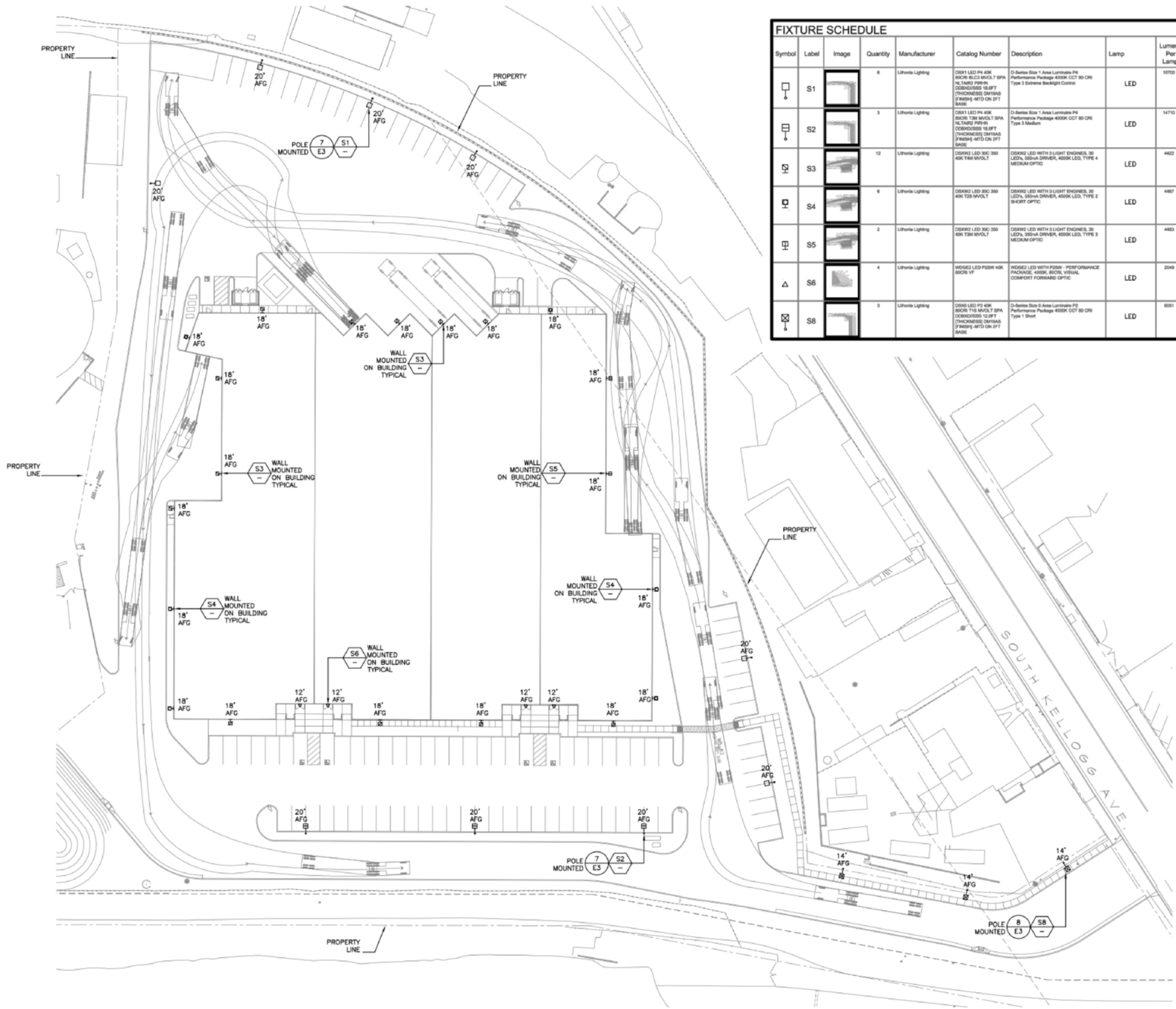
Photometric Plan

SHEET NOTES

1. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS AND IN FIELD PRIOR TO ROUGH IN.
2. MAINTAIN A MAXIMUM 2% VOLTAGE DROP ON ALL LIGHTING HOMERUNS.
3. ALL LIGHTING FIXTURES, EXCEPT EMERGENCY, SHALL BE CONTROLLED BY AUTOMATIC LIGHTING CONTROL SYSTEM AS REQUIRED BY STATE OF CALIFORNIA TITLE 24 REGULATIONS.
4. TIMING CONTROL. OUTDOOR LIGHTING MUST BE TURNED OFF DURING DAYLIGHT HOURS AND DURING ANY HOURS WHEN THE STRUCTURE IS NOT IN USE.
5. LIGHT TRESPASS. TO PREVENT LIGHT TRESPASS OR GLARE, ALL LIGHTS MUST BE DIRECTED DOWNWARD, FULLY SHIELDED, AND FULL CUTOFF.
6. LIGHT LEVELS AT PROPERTY LINES. THE LIGHT LEVEL AT PROPERTY LINES MUST NOT EXCEED 0.1 FOOT-CANDLES AND MUST BE DIRECTED AWAY FROM ALL ENVIRONMENTAL SENSITIVE HABITAT AREAS.

FIXTURE SCHEDULE

Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Lamp	Lumens Per Lamp	Light Loss Factor	Wattage	Distribution	Notes
	S1		6	Lithonia Lighting	DDX1 LED P4 40K 60CRI 150 MMVOLT SPA NL TARG PWR IN CODEDRESS 15.8FT (THICKNESS) ON 18AS (FINISH) ATT'D ON 2FT BASE	D-Series Size 1 Area Luminaire P4 Performance Package 4000K CCT 80 CRI Type 3 Extreme Backlight Control	LED	10700	0.92	125.94	TYPE II, SHORT, BUG RATING: B0 - U0 - G3	
	S2		3	Lithonia Lighting	DDX1 LED P4 40K 60CRI 150 MMVOLT SPA NL TARG PWR IN CODEDRESS 15.8FT (THICKNESS) ON 18AS (FINISH) ATT'D ON 2FT BASE	D-Series Size 1 Area Luminaire P4 Performance Package 4000K CCT 80 CRI Type 3 Medium	LED	14710	0.92	125.94	TYPE IV, MEDIUM, BUG RATING: B2 - U0 - G4	
	S3		12	Lithonia Lighting	DDXW2 LED 30C 350 40K T4M MVOLT	DDXW2 LED WITH 3 LIGHT ENGINES, 30 LED's, 350mA DRIVER, 4000K LED, TYPE 4 MEDIUM OPTIC	LED	4402	0.92	36	TYPE IV, SHORT, BUG RATING: B1 - U0 - G2	
	S4		6	Lithonia Lighting	DDXW2 LED 30C 350 40K T2M MVOLT	DDXW2 LED WITH 3 LIGHT ENGINES, 30 LED's, 350mA DRIVER, 4000K LED, TYPE 2 SHORT OPTIC	LED	4407	0.92	36	TYPE I, SHORT, BUG RATING: B1 - U0 - G1	
	S5		2	Lithonia Lighting	DDXW2 LED 30C 350 40K T2M MVOLT	DDXW2 LED WITH 3 LIGHT ENGINES, 30 LED's, 350mA DRIVER, 4000K LED, TYPE 3 MEDIUM OPTIC	LED	4405	0.92	36	TYPE IV, MEDIUM, BUG RATING: B1 - U0 - G2	
	S6		4	Lithonia Lighting	WDO2 LED PSBW 40K 60CRI VF	WDO2 LED WITH PSBW - PERFORMANCE PACKAGE 4000K, 60CRI, VISUAL COMFORT FORMWAVE OPTIC	LED	2049	0.92	14.78	TYPE II, VERY SHORT, BUG RATING: B1 - U0 - G0	
	S8		3	Lithonia Lighting	DDX1 LED P2 40K 60CRI 175 MMVOLT SPA NL TARG PWR IN CODEDRESS 12.8FT (THICKNESS) ON 18AS (FINISH) ATT'D ON 2FT BASE	D-Series Size 0 Area Luminaire P2 Performance Package 4000K CCT 80 CRI Type 1 Short	LED	6501	0.92	45.14	TYPE I, SHORT, BUG RATING: B1 - U0 - G1	



1 SITE LIGHTING PLAN
SCALE: 1" = 30'-0"

TIMING DEVICES USED TO CONTROL THE HOURS SET FOR ILLUMINATION, AS WELL AS THE PROPOSED HOURS WHEN EACH FIXTURE WILL BE OPERATED SHALL BE DUSK TO DAWN 7 DAYS A WEEK.

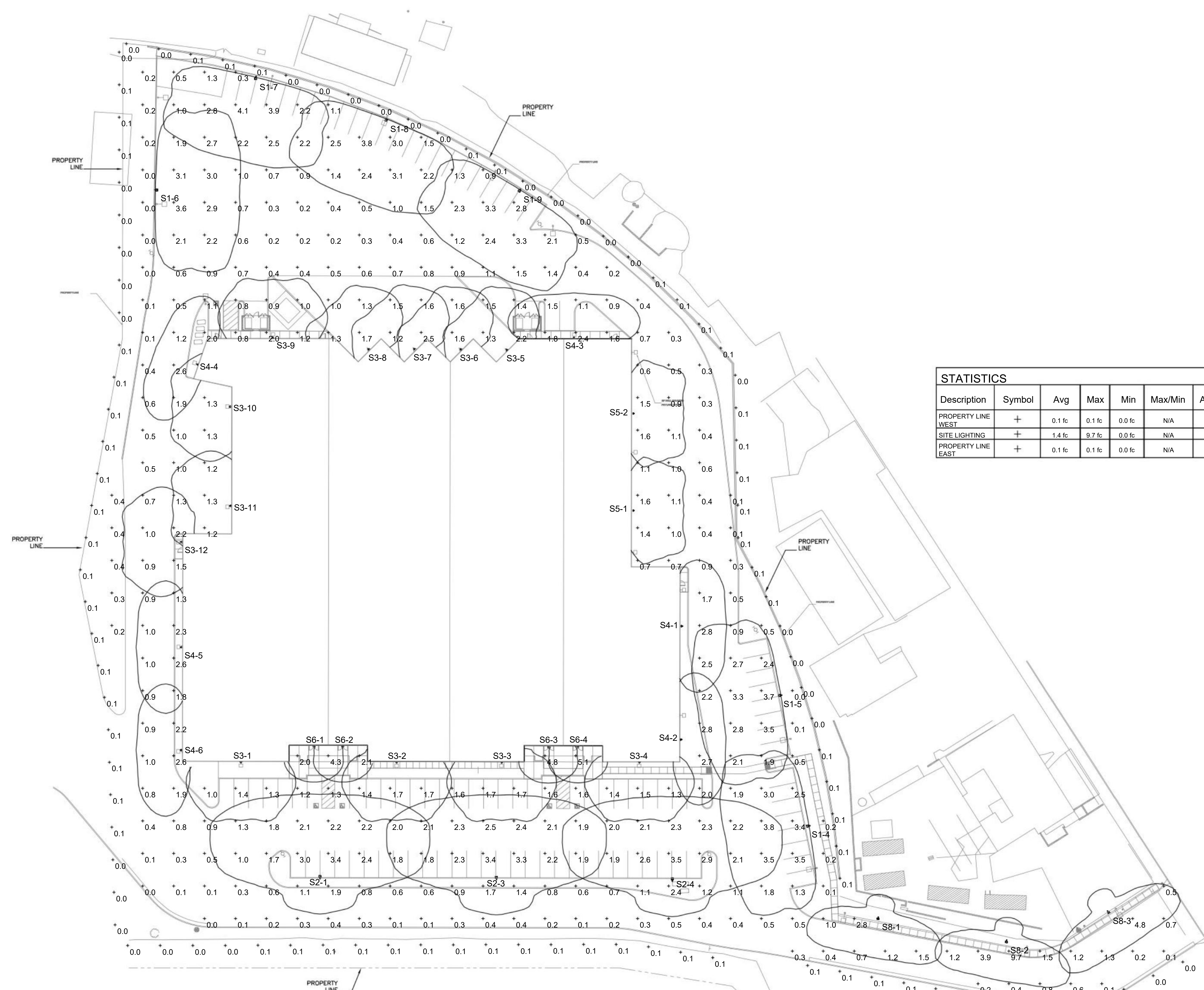
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GOLETA BUSINESS CENTER
907 SOUTH KELLOGG AVE., GOLETA, CA

NOVEMBER 17, 2022

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STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PROPERTY LINE WEST	+	0.1 fc	0.1 fc	0.0 fc	N/A	N/A
SITE LIGHTING	+	1.4 fc	9.7 fc	0.0 fc	N/A	N/A
PROPERTY LINE EAST	+	0.1 fc	0.1 fc	0.0 fc	N/A	N/A

1 SITE LIGHTING PHOTOMETRIC PLAN
SCALE: NONE

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1 FIXTURE TYPE "S8"
SCALE: NONE

DETAIL NOTES:

- USE COMPRESSION LUGS AND WATERTITE SEALING PACKS TO TERMINATE CONDUCTORS TO LIGHT FIXTURES.

Pole Mounted Occupancy Sensor High/Low Automatic With PhotoCell

Provide 17'-0" Round Straight Steel 4" Pole. Fixture Mounting Height at 20'-0" With 36" Concrete Base.

Connect #10 Ground Wire to Grounding Lug of Pole.

36" Minimum Finish Grade

5 Sack (3000 PSI Minimum Strength) Concrete Footing

4-#5 Vertical Rebar Continuous

3"x5" Handhole with Screw Cover & Gasket.

Base Cover

Bolt Cover

4 Anchor Bolts with 4" Hook & Hex Head

24" from Grade

Conductors per Plan

Sched. 80 PVC Conduit

Rigid Steel Conduit w/ PVC Jacket or Scotchwrap

#4 Ties at 12" O.C.

3" CLR TYP.

TYPICAL PARKING LOT LIGHTING CONCRETE BASE MOUNT DETAIL

7

SCALE: NONE

Catalog Brochure

Data

Project

OVERVIEW

The GR 2400 Relay Panel is part of the expansive GR 2400 system and is a 100% digital solution to lighting control. Ideal for centralized panel applications, the GR 2400 Relay Panel can link up to 127 addresses of digital devices, including other LC&D panels and switches, which daisy-chain together in any sequence using Cat. 5 patch cables with RJ45 connectors.

FEATURES

- Astronomical time clock with 32 channels and a large display (21 X 8 characters) which can be used to program an entire system. Non-volatile memory holds all programming indefinitely.
- 10 year battery back-up for time-of-day
- Mixed voltage (120V, 277V), power controllability
- Manual override of the entire panel, individual relays and zones

Warranty

3-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

AcuityControls.

LC&D.

GR 2400™
Control Panel

ORDERING INFORMATION

ENCLOSURE		Example: GR2448 ENC 5M INT			
Relay Panel Enclosure GR2448 INC 48 relay enclosure GR2432 ENC 32 relay enclosure		Mounting, NEMA Rating, Knockouts 3M NBT Surface Mount, NEMA 1 with knockouts 3M NBT Flush Mount, NEMA 1 with knockouts 3M NBT MFD Surface Mount, NEMA 1 no knockouts 3M NBT MFD Flush Mount, NEMA 1 no knockouts			
INTERIOR					
Example: GR2448 INT 12NCL DTC DV					
Relay Panel Interior	Relays	Clock Options	Transformer	Voltage Barrier	
GR2448 INT 48 relay interior GR2432 INT 32 relay interior	12NCL Normally closed latching	DTC Digital time clock REMOTE Remote panel, no clock	DV Dual-voltage 120/277V CNDV 120/347V	[blank] No barrier 1VB 1 barrier 2VB 2 barriers 3VB 3 barriers 4VB 4 barriers	

1. Takes up zero wall position. Max of 16 for the GR2432 and a max of 24 for the GR2448.

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GR2400_PANEL
1 of 2

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