

# DRC

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10/16/2024

# Benjamin P Boyt

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SITE LIGHTING LAYOUT BASED ON THE FOLLOWING REQUIREMENTS:  
20'-0" MAXIMUM POLE HEIGHT  
3 FOOTCANDLE MAXIMUM AT 5'-0" ABOVE GROUND AT THE PROPERTY LINE  
MOTION SENSING SHALL BE ACCOMPLISHED VIA CONTROLS METHODS  
WALLPACKS FULLY SHEILDLED WITH OUTPUT OF 900 LUMENS OR LESS  
3 FC MINIMUM AVERAGE AT GROUND LEVEL OF UNCOVERED VEHICULAR USE AREAS  
6 FC MINIMUM AVERAGE AT GROUND LEVEL OF COVERED VEHICULAR USE AREAS  
LIGHTING UNIFORMITY 4:1 RATIO AT HORIZONTAL AND VERTICAL PLANES

CALCULATION SUMMARY										
Scenario: NORMAL										
LABEL	CALC TYPE	UNITS	SPACING L-R (FT)	SPACING T-B (FT)	HEIGHT (FT)	AVG	MAX	MIN	AVGBIN	MAXBIN
BUILDING SIDE	Illuminance	Fc	5	5	0	0.82	1.1	0.4	2.05	2.75
EAST STEPS Floor	Illuminance	Fc	0	0	N.A.	4.07	10.4	0.9	4.52	11.50
EAST STEPS SR	Illuminance	Fc	2	2	5	4.97	15.0	0.4	12.43	37.50
ENTIRE SITE	Illuminance	Fc	0	0	0	1.44	5.0	0.0	N.A.	N.A.
GARAGE ENTRANCE SR	Illuminance	Fc	0	0	10	1.25	2.9	0.3	4.17	9.67
GARAGE ENTRANCE Floor	Illuminance	Fc	0	0	0	1.09	2.5	0.0	1.82	4.17
NORTH CANOPY ENTRANCE SR	Illuminance	Fc	3	3	5	21.33	24.8	18.5	1.15	1.34
NORTH CANOPY ENTRANCE Floor	Illuminance	Fc	3	3	0	0.77	10.0	7.3	1.20	1.37
PARKING GARAGE SR	Illuminance	Fc	0	0	5	0.93	36.1	2.3	3.88	15.70
PARKING GARAGE Floor	Illuminance	Fc	0	0	0	0.26	18.5	2.4	2.43	5.58
PARKING LOT SR	Illuminance	Fc	0	0	5	3.81	5.7	1.1	3.46	5.18
PARKING LOT Floor	Illuminance	Fc	0	0	0	2.36	4.7	1.3	2.58	3.82
PATIO SR	Illuminance	Fc	3	3	5	1.56	4.2	0.8	1.85	0.25
PATIO Floor	Illuminance	Fc	3	3	0	1.37	2.8	0.5	2.74	5.80
PROP. LINE	Illuminance	Fc	0	N.A.	N.A.	0.60	2.6	0.0	N.A.	N.A.
WALKWAY SR	Illuminance	Fc	3	3	10	2.90	12.3	0.7	4.14	17.57
WALKWAY Floor	Illuminance	Fc	3	3	0	2.61	4.9	1.0	2.61	4.90

### SITE LIGHTING FIXTURE SCHEDULE

MARK	TYPE	MANUFACTURER	MODEL #	LAMP	WATTS	LUMEN	TEMP (K)	VOLT	LOCATION	DESCRIPTION
JE	EXTERIOR EGRESS FLOODLIGHT	LITHONIA	WDGE2 LED P0 40K 80CRI T4M MVOLT E10WH	LED	7 W	712	4000k	MULTI	SURFACE WALL	WALL-MOUNTED LIGHTING FIXTURE WITH TYPE IV MEDIUM DISTRIBUTION, EMERGENCY BATTERY BACKUP
K	EXTERIOR FLOODLIGHT	LITHONIA	WDGE2 LED P0 40K 80CRI T1S MVOLT	LED	7 W	699	4000k	MULTI	SURFACE WALL	WALL-MOUNTED LIGHTING FIXTURE WITH TYPE I SHORT DISTRIBUTION
K1	EXTERIOR FLOODLIGHT	LITHONIA	WDGE2 LED P0 40K 80CRI T4M MVOLT	LED	7 W	712	4000k	MULTI	SURFACE WALL	WALL-MOUNTED LIGHTING FIXTURE WITH TYPE IV MEDIUM DISTRIBUTION
L	EXTERIOR CANOPY	LITHONIA	CNY LED ALO (7500 LM) SSW2 UVOLT PE PIR M2	LED	53 W	7414	4000k	120-347V	SURFACE	CANOPY FIXTURE WITH INTEGRATED PHOTOCELL AND OCCUPANCY SENSOR. COORDINATE FINISH WITH ARCHITECT
LE	EXTERIOR CANOPY, BATTERY BACKUP	LITHONIA	CNY LED ALO SSW2 (7500 LM) UVOLT PE PIR M2 CNYEK E7WC M12	INC.	53 W	7414	4000k	120-347V	SURFACE	CANOPY FIXTURE WITH INTEGRATED PHOTOCELL, OCCUPANCY SENSOR, AND EMERGENCY BATTERY. COORDINATE FINISH WITH ARCHITECT
M	EXTERIOR CYLINDER	GOTHAM	ICO45C 40_05 AR LD 35D MVOLT	LED	7 W	688	4000k	MULTI	SURFACE	CYLINDER DOWNLIGHT WITH CLEAR MATTE DIFFUSE REFLECTOR, 35 DEGREE BEAM ANGLE
ME	EXTERIOR CYLINDER, BATTERY BACKUP	GOTHAM	ICO45C 40_05 AR LD 35D MVOLT E6W	LED	7 W	688	4000k	MULTI	SURFACE	CYLINDER DOWNLIGHT WITH CLEAR MATTE DIFFUSE REFLECTOR, 35 DEGREE BEAM ANGLE, AND INTEGRAL BATTERY BACKUP
M1	EXTERIOR CYLINDER	GOTHAM	ICO45C 40_05 AR LD 65D MVOLT	LED	7 W	688	4000k	MULTI	SURFACE	CYLINDER DOWNLIGHT WITH CLEAR MATTE DIFFUSE REFLECTOR, 65 DEGREE BEAM ANGLE
M1E	EXTERIOR CYLINDER, BATTERY BACKUP	GOTHAM	ICO45C 40_05 AR LD 65D MVOLT E6W	LED	7 W	688	4000k	MULTI	SURFACE	CYLINDER DOWNLIGHT WITH CLEAR MATTE DIFFUSE REFLECTOR, 65 DEGREE BEAM ANGLE, AND INTEGRAL BATTERY BACKUP
S1	SITE POLE	LITHONIA	DSX0 LED P3 40K 70CRI T4M	LED	69 W	8926	4000k	MULTI	POLE	SINGLE HEAD FIXTURE, MAX. 20'-0" A.F.G. POLE HEIGHT, TYPE IV MEDIUM DISTRIBUTION
S2	SITE POLE	LITHONIA	DSX0 LED P3 40K 70CRI T5M HS	LED	69 W	6674	4000k	MULTI	POLE	SINGLE HEAD FIXTURE, MAX. 20'-0" A.F.G. POLE HEIGHT, TYPE V MEDIUM DISTRIBUTION, HOUSESIDE SHIELD

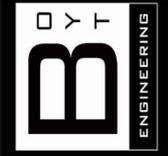
- NOTES**
- 1 FIXTURES SHOWN ON PLANS WITH AN "E" SUFFIX SHALL INCLUDE MANUFACTURER'S EMERGENCY BATTERY BACKUP SYSTEM INCLUDING BATTERY, CHARGING CIRCUIT, AND AUTOMATIC SWITCHING BASED ON MONITORING THE PRESENCE OF POWER ON THE UNSWITCHED (HOT) LEG OF THE CIRCUIT.
  - 2 MOTION SENSING SHALL BE ACCOMPLISHED VIA INTEGRATED FIXTURE OPTIONS AND/OR CONTROLS METHODS.
  - 3 DUSK TO DAWN OPERATION SHALL BE ACCOMPLISHED VIA INTEGRATED FIXTURE OPTIONS AND/OR CONTROLS METHODS.
  - 4 COORDINATE ALL FIXTURE FINISHES WITH ARCHITECT.

DESIGN	REVIEW	CHECK
MAB	BPB	BPB

REVISIONS



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PROJECT TITLE  
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DATE  
**09-10-2024**  
SHEET TITLE  
**SITE LTG SCHEDULE**  
JOB NO.

SHEET  
**SL1.2**

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