D-Series Pole Mount
LED Area Luminaire

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Luminaire

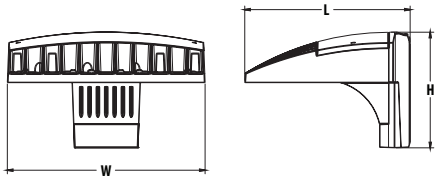
EPA: 0.8 ft² *(.07 m²)*

Width: 13-3/4" *(34.9 cm)*

Length: 11.5" *(29.2 cm)*

Height: 8" *(20.3 cm)*

Weight: 16.03 lbs *(7.3 kg)*



Introduction

The D-Series Pole Mount luminaire is a stylish, fully integrated LED solution for area and site applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Pole Mount is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXWPM LED 20C 1000 40K T5M MVOLT SPUMBA DDBXD

DSXWPM LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting [3]
DSXWPM LED	10C 10 LEDs (one engine) 20C 20 LEDs (two engines)	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000K 40K 4000K 50K 5000K AMBPC Amber phosphor converted	T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5M Type V medium T5S Type V short T5A Type V area T5W Type V wide ASYDF Asymmetric diffuse SYMDF Symmetric diffuse	MVOLT [1] 120 [1] 208 [1] 240 [1] 277 [1] 347 [2] 480 [2]	**Shipped included** SPUMBA Square pole universal mounting adapter RPUMBA Round pole universal mounting adapter PUMBA Square and round universal mounting adapters

Control Options	Other Options	Finish *(required)*
Shipped installed PE Photoelectric cell, button type [4] DMG 0-10V dimming driver (no controls) PIR Motion/ambient light sensor, <15' mtg ht [5,6] PIRH Motion/ambient light sensor, 15-30' mtg ht [5,6] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [7] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [7]	**Shipped installed** SF Single fuse (120, 277, 347V) [8] DF Double fuse (208, 240, 480 V) [8] HS House-side shield [8] **Shipped separately** [9] BSW Bird-deterrent spikes WG Wire guard VG Vandal guard DDL Diffused drop lens	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

NOTES

1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
2 Only available with 20C, 700mA or 1000mA. Not available with PIR, PIRH.
3 Not available with 90 degree mounting. Not recommended for 3" poles.
4 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
5 PIR specifies the SensorSwitch SBGR-10-ODP control; PIRH specifies the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Includes ambient light sensor. Not available with "PE"option (button type photocell).
6 Not available with 20 LED/1000 mA configuration (DSXWPM LED 20C 1000).
7 PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
8 Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208, 240, or 480 voltage option.
9 Also available as a separate accessory; see Accessories information.

Accessories

Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW1WG U	Wire guard accessory
DSXW1VG U	Vandal guard accessory
DSXWDDL U	Diffused drop lens

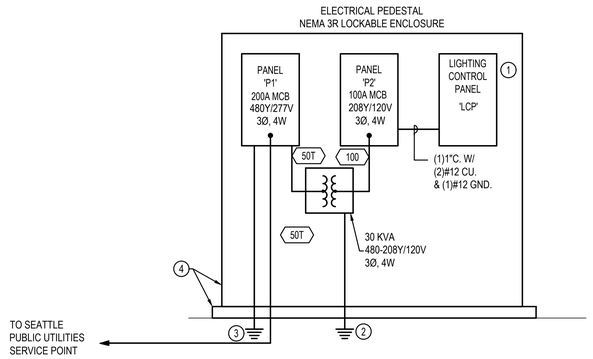
LITHONIA LIGHTING

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.lithonia.com

FEEDER LEGEND				
AMPS SYMBOL	NUMBER OF RUNS	CONDUIT SIZE	NUMBER OF WIRES	CONDUCTOR SIZE - AWG
50T	(1)	1"	(3)	COPPER: #6
			(1)	GRD: #10
100	(1)	2"	(4)	COPPER: #1
			(1)	GRD: #8
200	(1)	2-1/2"	(4)	COPPER: #3/0
			(1)	GRD: #4
	(1)	2-1/2"	SPARE	

CONSTRUCTION NOTES

1. EQUIPMENT PROVIDED BY FIELD LIGHTING SUPPLIER, INSTALLED BY CONTRACTOR.
2. PROVIDE #6 GROUNDING WIRE.
3. PROVIDE #4 GROUNDING WIRE AND PROVIDE 3/4"X10' GROUND ROD AT EACH CORNER OF ELECTRICAL PEDESTAL.
4. SEE ELECTRICAL PEDESTAL AND HOUSEKEEPING PAD DETAIL ON SHEET E3.00



ONE-LINE DIAGRAM

SCALE : N.T.S.

bce engineers, inc.
p:(253) 922-0446
f: (253) 922-0896
6021 12th street east, suite 200, fife, wa 98424

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER BEFORE YOU DIG!
WWW.CALL811.COM

Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

NO.	REVISION – AS BUILT	DATE
3		
2		
1		

REVIEWED: _____ PARK ENGINEER _____ DATE

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.

BCRA

Seattle Parks & Recreation

SOUNDVIEW PLAYFIELD

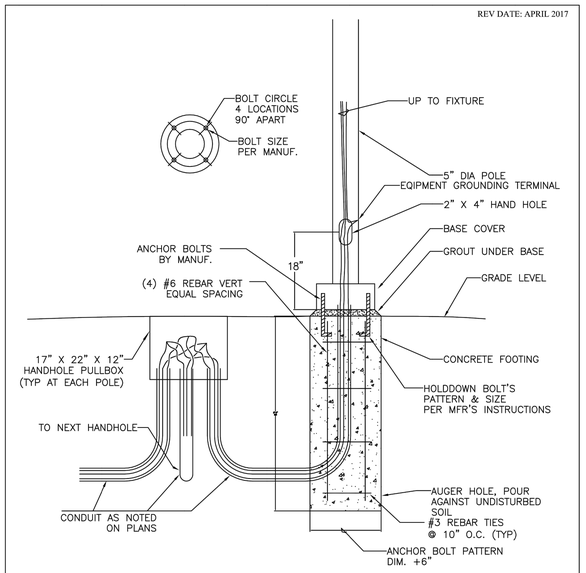
SYNTHETIC TURF REPLACEMENT

ELECTRICAL ONE LINE

DESIGNED BM
DRAWN TT
CHECKED BM
DATE X
SHEET ____ OF ____
ORDINANCE NO. X
CONTRACT NO. X
SCALE X

E2.00

REV DATE: APRIL 2017

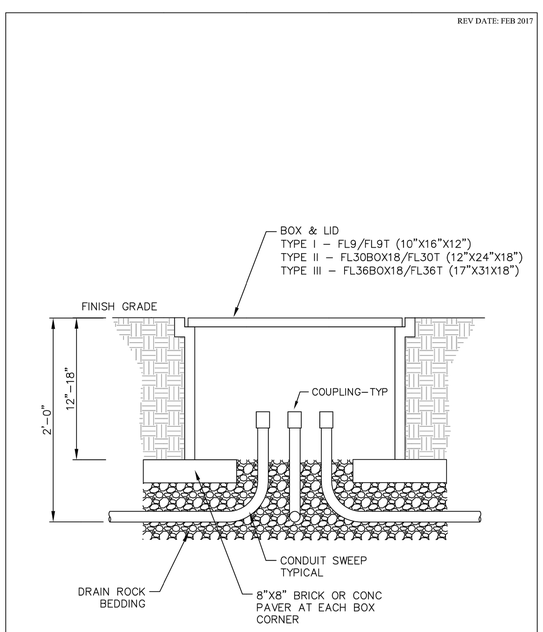


Seattle Parks & Recreation

POWER BOX

STD. DETAIL NO. 26 00 00

REV DATE: FEB 2017

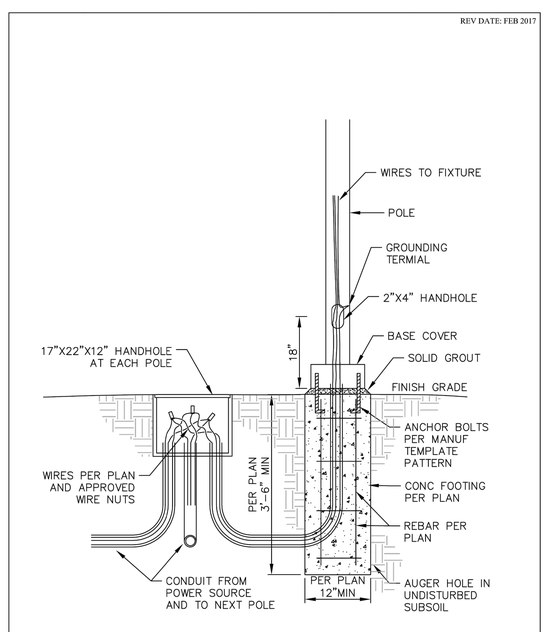


Seattle Parks & Recreation

ELECTRICAL HANDHOLE

STD. DETAIL NO. 26 05 33.13

REV DATE: FEB 2017

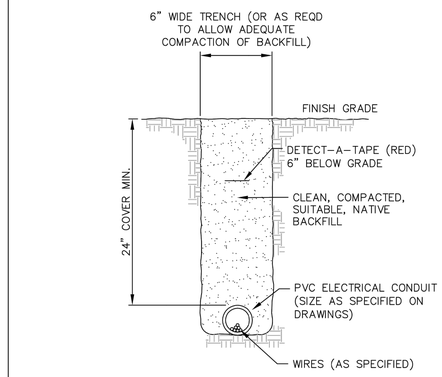


Seattle Parks & Recreation

FIELD LIGHTING HANDHOLE

STD. DETAIL NO. 26 05 33.16

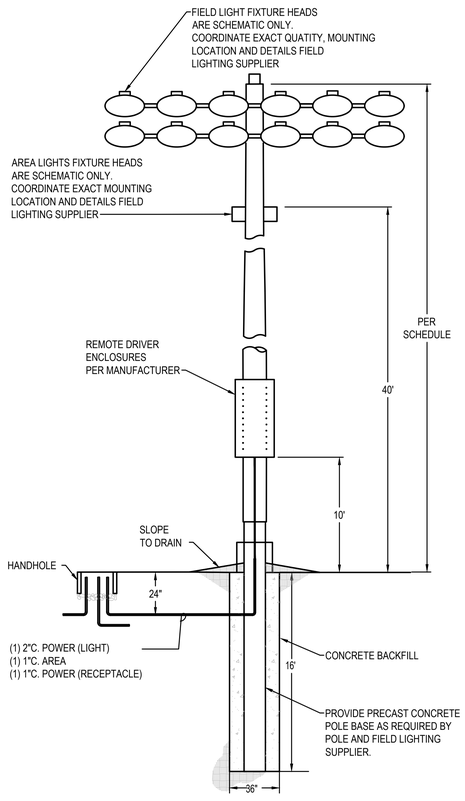
REV DATE: FEB 2017



Seattle Parks & Recreation

POWER SUPPLY CONDUIT

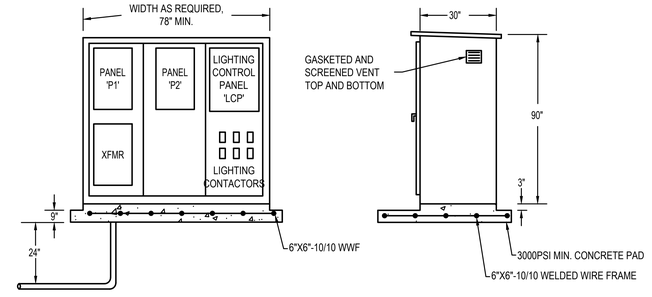
STD. DETAIL NO. 26 05 43.13



NOTE : COORDINATE ALL WORK WITH POLE SUPPLIER.

1 FLOOD LIGHT POLE DETAIL

SCALE: N.T.S.



2 ELECTRICAL PEDESTAL DETAIL

SCALE: N.T.S.

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NO.	REVISION – AS BUILT	DATE
3		
2		
1		

REVIEWED:

PARK ENGINEER DATE

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BCRA

Seattle Parks & Recreation

SOUNDVIEW PLAYFIELD

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ELECTRICAL DETAILS

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DRAWN TT
CHECKED BM
DATE X
SHEET ____ OF ____
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CONTRACT NO. X
SCALE X

E3.00

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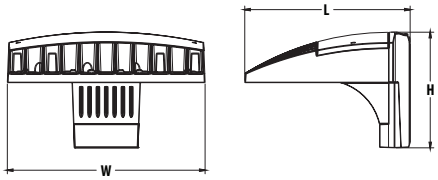

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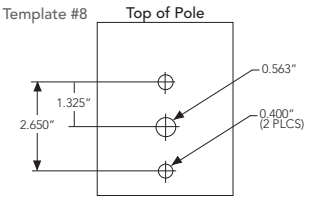
Drilling



Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.

If ordering new poles, specify the AERIS™ drilling pattern, per the table below.

DM19AS Single unit **DM28AS** 2 at 180°

Example: SSA 20 4C **DM19AS** DDBXD

Performance Data

Lumen Output

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LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
10C (10 LEDs)	350mA	14W	T2S	1,415	0	0	1	101	1,520	0	0	1	109	1,529	0	0	1	109	894	0	0	1	64
			T2M	1,349	0	0	1	96	1,449	0	0	1	103	1,458	0	0	1	104	852	0	0	1	61
			T3S	1,400	0	0	1	100	1,503	0	0	1	107	1,512	0	0	1	108	884	0	0	1	63
			T3M	1,386	0	0	1	99	1,488	0	0	1	106	1,497	0	0	1	107	876	0	0	1	63
			T4M	1,358	0	0	1	97	1,458	0	0	1	104	1,467	0	0	1	105	858	0	0	1	61
			TFTM	1,411	0	0	1	101	1,515	0	0	1	108	1,525	0	0	1	109	892	0	0	1	64
			T5M	1,486	1	0	0	106	1,595	1	0	0	114	1,605	1	0	0	115	939	1	0	0	67
			T5S	1,516	1	0	0	108	1,627	1	0	0	116	1,638	1	0	0	117	958	1	0	0	68
			T5A	1,425	1	0	1	102	1,531	1	0	1	109	1,540	1	0	1	110	901	1	0	1	64
			T5W	1,423	1	0	1	102	1,528	1	0	1	109	1,538	1	0	1	110	899	1	0	1	64
			ASYDF	1,262	0	0	1	90	1,355	1	0	1	97	1,363	1	0	1	97	797	0	0	1	57
			SYMDF	1,299	1	0	1	93	1,394	1	0	1	100	1,403	1	0	1	100	821	1	0	1	59
	530mA	20W	T2S	2,054	1	0	1	103	2,205	1	0	1	110	2,219	0	0	1	111	1,264	0	0	1	63
			T2M	1,957	1	0	1	98	2,102	1	0	1	105	2,115	0	0	1	106	1,205	0	0	1	60
			T3S	2,031	0	0	1	102	2,181	0	0	1	109	2,195	0	0	1	110	1,250	0	0	1	63
			T3M	2,010	1	0	1	101	2,159	1	0	1	108	2,172	0	0	1	109	1,237	0	0	1	62
			T4M	1,970	1	0	1	98	2,115	1	0	1	106	2,128	0	0	1	106	1,212	0	0	1	61
			TFTM	2,047	0	0	1	102	2,198	0	0	1	110	2,212	0	0	1	111	1,260	0	0	1	63
			T5M	2,156	1	0	0	108	2,315	2	0	0	116	2,329	1	0	0	116	1,326	1	0	0	66
			T5S	2,199	1	0	0	110	2,361	1	0	0	118	2,376	1	0	0	119	1,353	1	0	0	68
			T5A	2,068	2	0	1	103	2,221	2	0	1	111	2,235	1	0	1	112	1,272	1	0	1	64
			T5W	2,065	2	0	1	103	2,217	2	0	1	111	2,231	1	0	1	112	1,271	1	0	1	64
			ASYDF	1,830	1	0	1	92	1,966	1	0	1	98	1,978	0	0	1	99	1,127	0	0	1	56
			SYMDF	1,884	1	0	1	94	2,023	1	0	1	101	2,036	1	0	1	102	1,160	1	0	1	58
	700mA	27W	T2S	2,623	1	0	1	97	2,816	1	0	1	104	2,834	0	0	1	105	1,544	0	0	1	57
			T2M	2,499	1	0	1	93	2,684	1	0	1	99	2,701	0	0	1	100	1,472	0	0	1	55
			T3S	2,593	1	0	1	96	2,785	1	0	1	103	2,802	0	0	1	104	1,527	0	0	1	57
			T3M	2,567	1	0	1	95	2,757	1	0	1	102	2,774	0	0	1	103	1,512	0	0	1	56
			T4M	2,515	1	0	1	93	2,701	1	0	1	100	2,718	0	0	1	101	1,481	0	0	1	55
			TFTM	2,614	1	0	1	97	2,807	1	0	1	104	2,825	0	0	1	105	1,539	0	0	1	57
			T5M	2,753	2	0	0	102	2,956	2	0	0	109	2,974	1	0	0	110	1,621	1	0	0	60
			T5S	2,808	1	0	0	104	3,015	1	0	0	112	3,034	1	0	0	112	1,654	1	0	0	61
			T5A	2,641	2	0	1	98	2,836	2	0	1	105	2,854	1	0	1	106	1,555	1	0	1	58
			T5W	2,637	2	0	1	98	2,831	2	0	1	105	2,849	1	0	1	106	1,553	1	0	1	58
			ASYDF	2,337	1	0	1	87	2,510	1	0	1	93	2,526	1	0	1	94	1,376	1	0	1	51
			SYMDF	2,406	1	0	1	89	2,584	1	0	1	96	2,600	1	0	1	96	1,417	1	0	1	52
	1000mA	40W	T2S	3,685	1	0	1	92	3,957	1	0	1	99	3,982	1	0	1	100	2,235	1	0	1	58
			T2M	3,512	1	0	1	88	3,771	1	0	1	94	3,795	1	0	1	95	2,130	1	0	2	55
			T3S	3,644	1	0	1	91	3,913	1	0	1	98	3,938	1	0	1	98	2,210	1	0	2	57
			T3M	3,607	1	0	1	90	3,874	1	0	1	97	3,898	1	0	1	97	2,187	1	0	2	56
			T4M	3,534	1	0	1	88	3,795	1	0	1	95	3,819	1	0	1	95	2,143	1	0	2	55
			TFTM	3,674	1	0	1	92	3,945	1	0	1	99	3,969	1	0	1	99	2,228	1	0	2	57
			T5M	3,868	2	0	1	97	4,153	2	0	1	104	4,179	3	0	1	104	2,345	3	0	1	60
			T5S	3,946	1	0	0	99	4,237	2	0	0	106	4,264	2	0	0	107	2,393	2	0	1	62
			T5A	3,711	2	0	1	93	3,985	2	0	1	100	4,010	3	0	1	100	2,250	3	0	2	58
			T5W	3,705	2	0	1	93	3,978	2	0	1	99	4,003	3	0	1	100	2,247	3	0	2	58
			ASYDF	3,284	1	0	1	82	3,527	1	0	1	88	3,549	1	0	1	89	1,991	1	0	2	51
			SYMDF	3,381	1	0	1	85	3,630	1	0	1	91	3,653	2	0	1	91	2,050	2	0	2	53

Performance Data

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				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	350mA	24W	T2S	2,820	1	0	1	118	3,028	1	0	1	126	3,047	1	0	1	127	1,777	1	0	1	74
			T2M	2,688	1	0	1	112	2,886	1	0	1	120	2,904	1	0	1	121	1,693	1	0	1	71
			T3S	2,789	1	0	1	116	2,995	1	0	1	125	3,013	1	0	1	126	1,757	0	0	1	73
			T3M	2,761	1	0	1	115	2,964	1	0	1	124	2,983	1	0	1	124	1,739	1	0	1	72
			T4M	2,705	1	0	1	113	2,904	1	0	1	121	2,922	1	0	1	122	1,704	1	0	1	71
			TFTM	2,811	1	0	1	117	3,019	1	0	1	126	3,038	1	0	1	127	1,771	0	0	1	74
			T5M	2,960	2	0	1	123	3,178	2	0	1	132	3,198	2	0	1	133	1,865	1	0	0	78
			T5S	3,020	1	0	0	126	3,242	1	0	0	135	3,263	1	0	0	136	1,903	1	0	0	79
			T5A	2,840	2	0	1	118	3,049	2	0	1	127	3,068	2	0	1	128	1,789	2	0	1	75
			T5W	2,835	2	0	1	118	3,044	2	0	1	127	3,063	2	0	1	128	1,786	2	0	1	74
			ASYDF	2,513	1	0	1	105	2,699	1	0	1	112	2,716	1	0	1	113	1,584	1	0	1	66
			SYMDF	2,587	1	0	1	108	2,778	1	0	1	116	2,796	1	0	1	116	1,630	1	0	1	68
	530mA	36W	T2S	4,079	1	0	1	113	4,380	1	0	1	122	4,408	1	0	1	122	2,504	1	0	1	70
			T2M	3,887	1	0	1	108	4,174	1	0	1	116	4,200	1	0	1	117	2,387	1	0	1	66
			T3S	4,034	1	0	1	112	4,332	1	0	1	120	4,359	1	0	1	121	2,477	1	0	1	69
			T3M	3,993	1	0	1	111	4,288	1	0	1	119	4,315	1	0	1	120	2,451	1	0	2	68
			T4M	3,912	1	0	2	109	4,201	1	0	2	117	4,227	1	0	1	117	2,402	1	0	1	67
			TFTM	4,066	1	0	1	113	4,367	1	0	1	121	4,394	1	0	1	122	2,496	1	0	1	69
			T5M	4,281	3	0	1	119	4,597	3	0	1	128	4,626	3	0	1	129	2,629	3	0	1	73
			T5S	4,368	2	0	1	121	4,690	2	0	1	130	4,719	2	0	1	131	2,682	2	0	1	75
			T5A	4,108	3	0	2	114	4,411	3	0	2	123	4,438	3	0	2	123	2,522	3	0	2	70
			T5W	4,101	3	0	2	114	4,403	3	0	2	122	4,431	3	0	2	123	2,518	3	0	2	70
			ASYDF	3,635	1	0	2	101	3,904	1	0	2	108	3,928	1	0	2	109	2,232	1	0	1	62
			SYMDF	3,742	2	0	2	104	4,018	2	0	2	112	4,044	2	0	2	112	2,297	2	0	2	64
	700mA	47W	T2S	5,188	1	0	1	110	5,571	1	0	1	119	5,606	1	0	1	119	3,065	1	0	1	65
			T2M	4,945	1	0	1	105	5,310	1	0	1	113	5,343	1	0	1	114	2,921	1	0	1	62
			T3S	5,131	1	0	1	109	5,510	1	0	2	117	5,544	1	0	2	118	3,031	1	0	1	64
			T3M	5,079	1	0	2	108	5,454	1	0	2	116	5,488	1	0	2	117	3,000	1	0	1	64
			T4M	4,976	1	0	2	106	5,343	1	0	2	114	5,377	1	0	2	114	2,939	1	0	1	63
			TFTM	5,172	1	0	2	110	5,554	1	0	2	118	5,589	1	0	2	119	3,055	1	0	1	65
			T5M	5,446	3	0	1	116	5,848	3	0	1	124	5,884	3	0	1	125	3,217	3	0	1	68
			T5S	5,555	2	0	1	118	5,966	2	0	1	127	6,003	2	0	1	128	3,282	2	0	1	70
			T5A	5,225	3	0	2	111	5,610	3	0	2	119	5,645	3	0	2	120	3,086	3	0	2	66
			T5W	5,216	3	0	2	111	5,601	3	0	2	119	5,636	3	0	2	120	3,081	3	0	2	66
			ASYDF	4,624	1	0	2	98	4,966	1	0	2	106	4,997	1	0	2	106	2,732	1	0	1	58
			SYMDF	4,760	2	0	2	101	5,111	2	0	2	109	5,143	2	0	2	109	2,812	2	0	2	60
	1000mA	74W	T2S	7,205	1	0	1	97	7,736	1	0	1	105	7,785	1	0	1	105	4,429	1	0	1	61
			T2M	6,866	1	0	2	93	7,373	1	0	2	100	7,419	1	0	2	100	4,221	1	0	2	58
			T3S	7,124	1	0	2	96	7,650	1	0	2	103	7,698	1	0	2	104	4,380	1	0	2	60
			T3M	7,052	1	0	2	95	7,573	1	0	2	102	7,620	1	0	2	103	4,335	1	0	2	59
			T4M	6,909	1	0	2	93	7,420	1	0	2	100	7,466	1	0	2	101	4,248	1	0	2	58
			TFTM	7,182	1	0	2	97	7,712	1	0	2	104	7,760	1	0	2	105	4,415	1	0	2	60
			T5M	7,562	3	0	1	102	8,120	3	0	1	110	8,171	3	0	1	110	4,648	3	0	1	63
			T5S	7,714	2	0	1	104	8,284	2	0	1	112	8,335	2	0	1	113	4,742	2	0	1	64
			T5A	7,255	3	0	2	98	7,790	3	0	2	105	7,839	3	0	2	106	4,460	3	0	2	62
			T5W	7,243	3	0	2	98	7,777	3	0	2	105	7,826	3	0	2	106	4,452	3	0	2	61
			ASYDF	6,421	1	0	2	87	6,895	2	0	2	93	6,938	1	0	2	94	3,947	1	0	2	54
			SYMDF	6,609	2	0	2	89	7,097	2	0	2	96	7,142	2	0	2	97	4,063	2	0	2	55

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXWPM LED 20C 1000** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.93	0.88

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	24 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

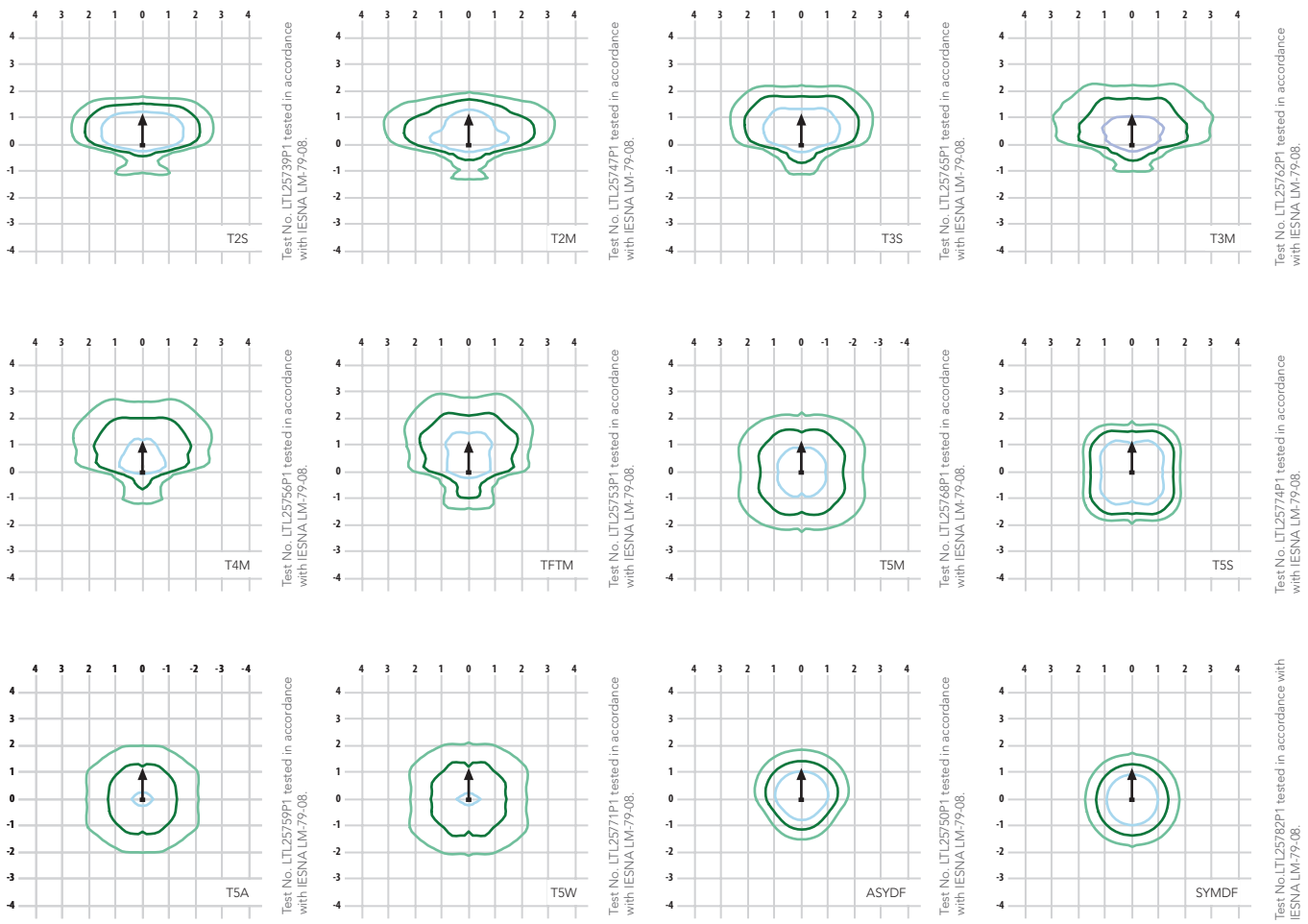
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Pole Mount homepage.

Isofootcandle plots for the DSXWPM LED 20C 1000 40K. Distances are in units of mounting height (20').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



Options and Accessories

Mounting detail

ASYDF - Asymmetric diffuse (left engine is T3M, right engine is diffused)

HS - House-side shields

BSW - Bird-deterrent spikes

WG - Wire guard

VG - Vandal guard

DDL - Diffused drop lens

FEATURES & SPECIFICATIONS

INTENDED USE
The energy savings, long life and easy-to-install design of the D-Series Pole Mount make it the smart choice for area and site illumination for nearly any facility.

CONSTRUCTION
Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to area lighting applications. Light engines are available in 3000K, 4000K or 5000K with 70 min. CRI configurations.

ELECTRICAL
Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 6KV surge rating. The luminaire meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION
Includes universal mounting plate, which utilizes existing drill patterns and allows for quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles.

LISTINGS
CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY
Five-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

D-Series Pole Mount
LED Area Luminaire

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Luminaire

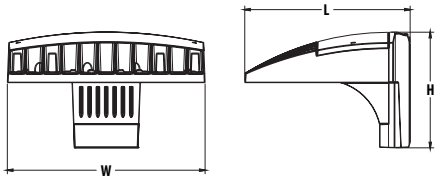
EPA: 0.8 ft² *(.07 m²)*

Width: 13-3/4" *(34.9 cm)*

Length: 11.5" *(29.2 cm)*

Height: 8" *(20.3 cm)*

Weight: 16.03 lbs *(7.3 kg)*



Introduction

The D-Series Pole Mount luminaire is a stylish, fully integrated LED solution for area and site applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Pole Mount is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXWPM LED 20C 1000 40K T5M MVOLT SPUMBA DDBXD

DSXWPM LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting [3]
DSXWPM LED	10C 10 LEDs (one engine) 20C 20 LEDs (two engines)	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000K 40K 4000K 50K 5000K AMBPC Amber phosphor converted	T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5M Type V medium T5S Type V short T5A Type V area T5W Type V wide ASYDF Asymmetric diffuse SYMDF Symmetric diffuse	MVOLT [1] 120 [1] 208 [1] 240 [1] 277 [1] 347 [2] 480 [2]	**Shipped included** SPUMBA Square pole universal mounting adapter RPUMBA Round pole universal mounting adapter PUMBA Square and round universal mounting adapters

Control Options	Other Options	Finish *(required)*
Shipped installed PE Photoelectric cell, button type [4] DMG 0-10V dimming driver (no controls) PIR Motion/ambient light sensor, <15' mtg ht [5,6] PIRH Motion/ambient light sensor, 15-30' mtg ht [5,6] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [7] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [7]	**Shipped installed** SF Single fuse (120, 277, 347V) [8] DF Double fuse (208, 240, 480 V) [8] HS House-side shield [8] **Shipped separately** [9] BSW Bird-deterrent spikes WG Wire guard VG Vandal guard DDL Diffused drop lens	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

NOTES

1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
2 Only available with 20C, 700mA or 1000mA. Not available with PIR, PIRH.
3 Not available with 90 degree mounting. Not recommended for 3" poles.
4 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
5 PIR specifies the SensorSwitch SBGR-10-ODP control; PIRH specifies the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Includes ambient light sensor. Not available with "PE"option (button type photocell).
6 Not available with 20 LED/1000 mA configuration (DSXWPM LED 20C 1000).
7 PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
8 Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208, 240, or 480 voltage option.
9 Also available as a separate accessory; see Accessories information.

Accessories

Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW1WG U	Wire guard accessory
DSXW1VG U	Vandal guard accessory
DSXWDDL U	Diffused drop lens

LITHONIA LIGHTING

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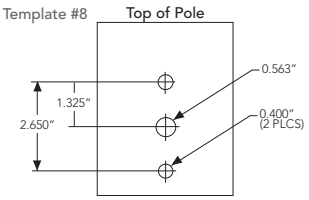
Drilling



Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.

If ordering new poles, specify the AERIS™ drilling pattern, per the table below.

DM19AS Single unit **DM28AS** 2 at 180°

Example: SSA 20 4C **DM19AS** DDBXD

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
10C (10 LEDs)	350mA	14W	T2S	1,415	0	0	1	101	1,520	0	0	1	109	1,529	0	0	1	109	894	0	0	1	64
			T2M	1,349	0	0	1	96	1,449	0	0	1	103	1,458	0	0	1	104	852	0	0	1	61
			T3S	1,400	0	0	1	100	1,503	0	0	1	107	1,512	0	0	1	108	884	0	0	1	63
			T3M	1,386	0	0	1	99	1,488	0	0	1	106	1,497	0	0	1	107	876	0	0	1	63
			T4M	1,358	0	0	1	97	1,458	0	0	1	104	1,467	0	0	1	105	858	0	0	1	61
			TFTM	1,411	0	0	1	101	1,515	0	0	1	108	1,525	0	0	1	109	892	0	0	1	64
			T5M	1,486	1	0	0	106	1,595	1	0	0	114	1,605	1	0	0	115	939	1	0	0	67
			T5S	1,516	1	0	0	108	1,627	1	0	0	116	1,638	1	0	0	117	958	1	0	0	68
			T5A	1,425	1	0	1	102	1,531	1	0	1	109	1,540	1	0	1	110	901	1	0	1	64
			T5W	1,423	1	0	1	102	1,528	1	0	1	109	1,538	1	0	1	110	899	1	0	1	64
			ASYDF	1,262	0	0	1	90	1,355	1	0	1	97	1,363	1	0	1	97	797	0	0	1	57
			SYMDF	1,299	1	0	1	93	1,394	1	0	1	100	1,403	1	0	1	100	821	1	0	1	59
	530mA	20W	T2S	2,054	1	0	1	103	2,205	1	0	1	110	2,219	0	0	1	111	1,264	0	0	1	63
			T2M	1,957	1	0	1	98	2,102	1	0	1	105	2,115	0	0	1	106	1,205	0	0	1	60
			T3S	2,031	0	0	1	102	2,181	0	0	1	109	2,195	0	0	1	110	1,250	0	0	1	63
			T3M	2,010	1	0	1	101	2,159	1	0	1	108	2,172	0	0	1	109	1,237	0	0	1	62
			T4M	1,970	1	0	1	98	2,115	1	0	1	106	2,128	0	0	1	106	1,212	0	0	1	61
			TFTM	2,047	0	0	1	102	2,198	0	0	1	110	2,212	0	0	1	111	1,260	0	0	1	63
			T5M	2,156	1	0	0	108	2,315	2	0	0	116	2,329	1	0	0	116	1,326	1	0	0	66
			T5S	2,199	1	0	0	110	2,361	1	0	0	118	2,376	1	0	0	119	1,353	1	0	0	68
			T5A	2,068	2	0	1	103	2,221	2	0	1	111	2,235	1	0	1	112	1,272	1	0	1	64
			T5W	2,065	2	0	1	103	2,217	2	0	1	111	2,231	1	0	1	112	1,271	1	0	1	64
			ASYDF	1,830	1	0	1	92	1,966	1	0	1	98	1,978	0	0	1	99	1,127	0	0	1	56
			SYMDF	1,884	1	0	1	94	2,023	1	0	1	101	2,036	1	0	1	102	1,160	1	0	1	58
	700mA	27W	T2S	2,623	1	0	1	97	2,816	1	0	1	104	2,834	0	0	1	105	1,544	0	0	1	57
			T2M	2,499	1	0	1	93	2,684	1	0	1	99	2,701	0	0	1	100	1,472	0	0	1	55
			T3S	2,593	1	0	1	96	2,785	1	0	1	103	2,802	0	0	1	104	1,527	0	0	1	57
			T3M	2,567	1	0	1	95	2,757	1	0	1	102	2,774	0	0	1	103	1,512	0	0	1	56
			T4M	2,515	1	0	1	93	2,701	1	0	1	100	2,718	0	0	1	101	1,481	0	0	1	55
			TFTM	2,614	1	0	1	97	2,807	1	0	1	104	2,825	0	0	1	105	1,539	0	0	1	57
			T5M	2,753	2	0	0	102	2,956	2	0	0	109	2,974	1	0	0	110	1,621	1	0	0	60
			T5S	2,808	1	0	0	104	3,015	1	0	0	112	3,034	1	0	0	112	1,654	1	0	0	61
			T5A	2,641	2	0	1	98	2,836	2	0	1	105	2,854	1	0	1	106	1,555	1	0	1	58
			T5W	2,637	2	0	1	98	2,831	2	0	1	105	2,849	1	0	1	106	1,553	1	0	1	58
			ASYDF	2,337	1	0	1	87	2,510	1	0	1	93	2,526	1	0	1	94	1,376	1	0	1	51
			SYMDF	2,406	1	0	1	89	2,584	1	0	1	96	2,600	1	0	1	96	1,417	1	0	1	52
	1000mA	40W	T2S	3,685	1	0	1	92	3,957	1	0	1	99	3,982	1	0	1	100	2,235	1	0	1	58
			T2M	3,512	1	0	1	88	3,771	1	0	1	94	3,795	1	0	1	95	2,130	1	0	2	55
			T3S	3,644	1	0	1	91	3,913	1	0	1	98	3,938	1	0	1	98	2,210	1	0	2	57
			T3M	3,607	1	0	1	90	3,874	1	0	1	97	3,898	1	0	1	97	2,187	1	0	2	56
			T4M	3,534	1	0	1	88	3,795	1	0	1	95	3,819	1	0	1	95	2,143	1	0	2	55
			TFTM	3,674	1	0	1	92	3,945	1	0	1	99	3,969	1	0	1	99	2,228	1	0	2	57
			T5M	3,868	2	0	1	97	4,153	2	0	1	104	4,179	3	0	1	104	2,345	3	0	1	60
			T5S	3,946	1	0	0	99	4,237	2	0	0	106	4,264	2	0	0	107	2,393	2	0	1	62
			T5A	3,711	2	0	1	93	3,985	2	0	1	100	4,010	3	0	1	100	2,250	3	0	2	58
			T5W	3,705	2	0	1	93	3,978	2	0	1	99	4,003	3	0	1	100	2,247	3	0	2	58
			ASYDF	3,284	1	0	1	82	3,527	1	0	1	88	3,549	1	0	1	89	1,991	1	0	2	51
			SYMDF	3,381	1	0	1	85	3,630	1	0	1	91	3,653	2	0	1	91	2,050	2	0	2	53

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	350mA	24W	T2S	2,820	1	0	1	118	3,028	1	0	1	126	3,047	1	0	1	127	1,777	1	0	1	74
			T2M	2,688	1	0	1	112	2,886	1	0	1	120	2,904	1	0	1	121	1,693	1	0	1	71
			T3S	2,789	1	0	1	116	2,995	1	0	1	125	3,013	1	0	1	126	1,757	0	0	1	73
			T3M	2,761	1	0	1	115	2,964	1	0	1	124	2,983	1	0	1	124	1,739	1	0	1	72
			T4M	2,705	1	0	1	113	2,904	1	0	1	121	2,922	1	0	1	122	1,704	1	0	1	71
			TFTM	2,811	1	0	1	117	3,019	1	0	1	126	3,038	1	0	1	127	1,771	0	0	1	74
			T5M	2,960	2	0	1	123	3,178	2	0	1	132	3,198	2	0	1	133	1,865	1	0	0	78
			T5S	3,020	1	0	0	126	3,242	1	0	0	135	3,263	1	0	0	136	1,903	1	0	0	79
			T5A	2,840	2	0	1	118	3,049	2	0	1	127	3,068	2	0	1	128	1,789	2	0	1	75
			T5W	2,835	2	0	1	118	3,044	2	0	1	127	3,063	2	0	1	128	1,786	2	0	1	74
			ASYDF	2,513	1	0	1	105	2,699	1	0	1	112	2,716	1	0	1	113	1,584	1	0	1	66
			SYMDF	2,587	1	0	1	108	2,778	1	0	1	116	2,796	1	0	1	116	1,630	1	0	1	68
	530mA	36W	T2S	4,079	1	0	1	113	4,380	1	0	1	122	4,408	1	0	1	122	2,504	1	0	1	70
			T2M	3,887	1	0	1	108	4,174	1	0	1	116	4,200	1	0	1	117	2,387	1	0	1	66
			T3S	4,034	1	0	1	112	4,332	1	0	1	120	4,359	1	0	1	121	2,477	1	0	1	69
			T3M	3,993	1	0	1	111	4,288	1	0	1	119	4,315	1	0	1	120	2,451	1	0	2	68
			T4M	3,912	1	0	2	109	4,201	1	0	2	117	4,227	1	0	1	117	2,402	1	0	1	67
			TFTM	4,066	1	0	1	113	4,367	1	0	1	121	4,394	1	0	1	122	2,496	1	0	1	69
			T5M	4,281	3	0	1	119	4,597	3	0	1	128	4,626	3	0	1	129	2,629	3	0	1	73
			T5S	4,368	2	0	1	121	4,690	2	0	1	130	4,719	2	0	1	131	2,682	2	0	1	75
			T5A	4,108	3	0	2	114	4,411	3	0	2	123	4,438	3	0	2	123	2,522	3	0	2	70
			T5W	4,101	3	0	2	114	4,403	3	0	2	122	4,431	3	0	2	123	2,518	3	0	2	70
			ASYDF	3,635	1	0	2	101	3,904	1	0	2	108	3,928	1	0	2	109	2,232	1	0	1	62
			SYMDF	3,742	2	0	2	104	4,018	2	0	2	112	4,044	2	0	2	112	2,297	2	0	2	64
	700mA	47W	T2S	5,188	1	0	1	110	5,571	1	0	1	119	5,606	1	0	1	119	3,065	1	0	1	65
			T2M	4,945	1	0	1	105	5,310	1	0	1	113	5,343	1	0	1	114	2,921	1	0	1	62
			T3S	5,131	1	0	1	109	5,510	1	0	2	117	5,544	1	0	2	118	3,031	1	0	1	64
			T3M	5,079	1	0	2	108	5,454	1	0	2	116	5,488	1	0	2	117	3,000	1	0	1	64
			T4M	4,976	1	0	2	106	5,343	1	0	2	114	5,377	1	0	2	114	2,939	1	0	1	63
			TFTM	5,172	1	0	2	110	5,554	1	0	2	118	5,589	1	0	2	119	3,055	1	0	1	65
			T5M	5,446	3	0	1	116	5,848	3	0	1	124	5,884	3	0	1	125	3,217	3	0	1	68
			T5S	5,555	2	0	1	118	5,966	2	0	1	127	6,003	2	0	1	128	3,282	2	0	1	70
			T5A	5,225	3	0	2	111	5,610	3	0	2	119	5,645	3	0	2	120	3,086	3	0	2	66
			T5W	5,216	3	0	2	111	5,601	3	0	2	119	5,636	3	0	2	120	3,081	3	0	2	66
			ASYDF	4,624	1	0	2	98	4,966	1	0	2	106	4,997	1	0	2	106	2,732	1	0	1	58
			SYMDF	4,760	2	0	2	101	5,111	2	0	2	109	5,143	2	0	2	109	2,812	2	0	2	60
	1000mA	74W	T2S	7,205	1	0	1	97	7,736	1	0	1	105	7,785	1	0	1	105	4,429	1	0	1	61
			T2M	6,866	1	0	2	93	7,373	1	0	2	100	7,419	1	0	2	100	4,221	1	0	2	58
			T3S	7,124	1	0	2	96	7,650	1	0	2	103	7,698	1	0	2	104	4,380	1	0	2	60
			T3M	7,052	1	0	2	95	7,573	1	0	2	102	7,620	1	0	2	103	4,335	1	0	2	59
			T4M	6,909	1	0	2	93	7,420	1	0	2	100	7,466	1	0	2	101	4,248	1	0	2	58
			TFTM	7,182	1	0	2	97	7,712	1	0	2	104	7,760	1	0	2	105	4,415	1	0	2	60
			T5M	7,562	3	0	1	102	8,120	3	0	1	110	8,171	3	0	1	110	4,648	3	0	1	63
			T5S	7,714	2	0	1	104	8,284	2	0	1	112	8,335	2	0	1	113	4,742	2	0	1	64
			T5A	7,255	3	0	2	98	7,790	3	0	2	105	7,839	3	0	2	106	4,460	3	0	2	62
			T5W	7,243	3	0	2	98	7,777	3	0	2	105	7,826	3	0	2	106	4,452	3	0	2	61
			ASYDF	6,421	1	0	2	87	6,895	2	0	2	93	6,938	1	0	2	94	3,947	1	0	2	54
			SYMDF	6,609	2	0	2	89	7,097	2	0	2	96	7,142	2	0	2	97	4,063	2	0	2	55

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXWPM LED 20C 1000** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.93	0.88

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	24 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

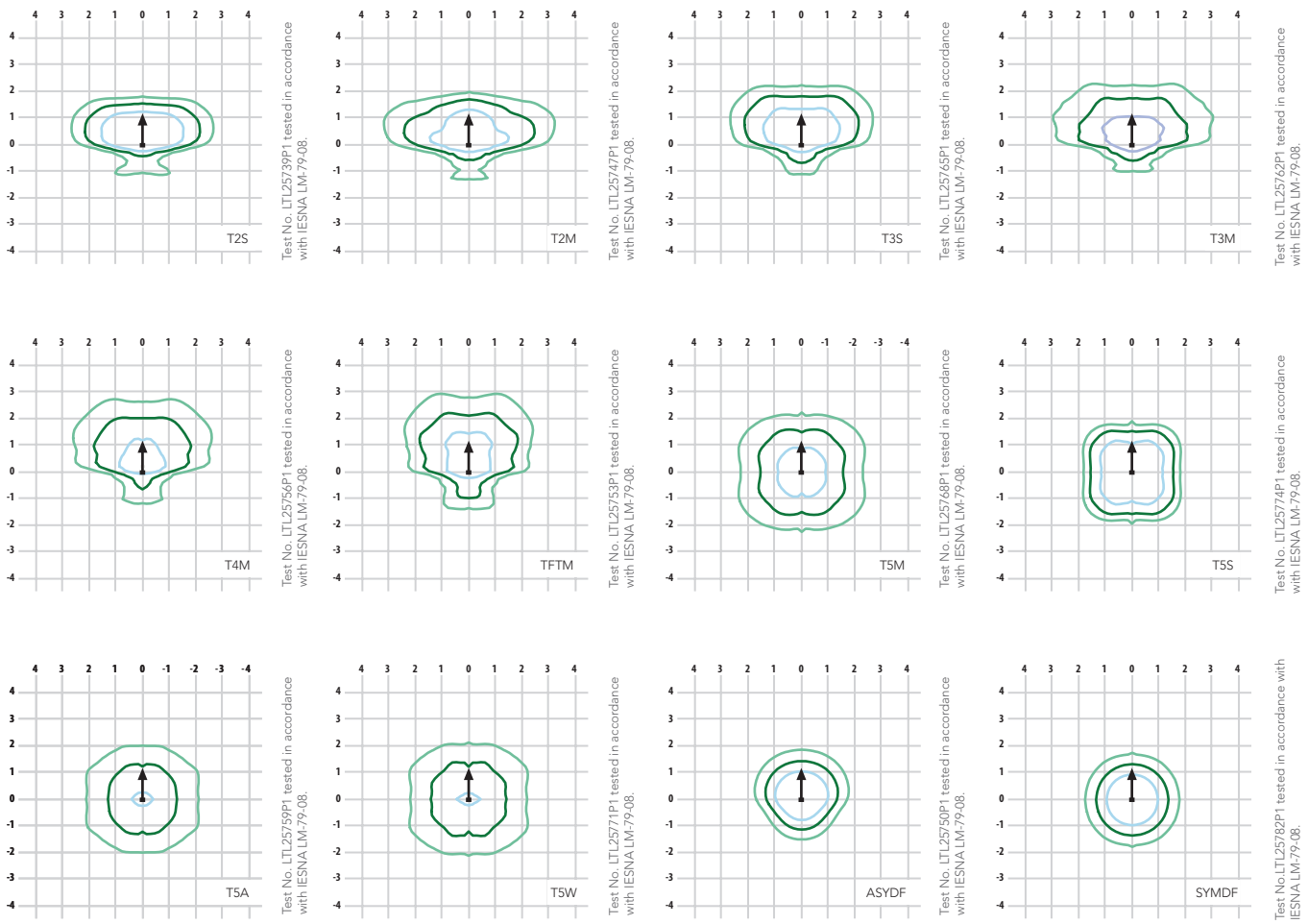
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Pole Mount homepage.

Isofootcandle plots for the DSXWPM LED 20C 1000 40K. Distances are in units of mounting height (20').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



Options and Accessories

Mounting detail

ASYDF - Asymmetric diffuse (left engine is T3M, right engine is diffused)

HS - House-side shields

BSW - Bird-deterrent spikes

WG - Wire guard

VG - Vandal guard

DDL - Diffused drop lens

FEATURES & SPECIFICATIONS

INTENDED USE
The energy savings, long life and easy-to-install design of the D-Series Pole Mount make it the smart choice for area and site illumination for nearly any facility.

CONSTRUCTION
Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to area lighting applications. Light engines are available in 3000K, 4000K or 5000K with 70 min. CRI configurations.

ELECTRICAL
Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 6KV surge rating. The luminaire meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION
Includes universal mounting plate, which utilizes existing drill patterns and allows for quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles.

LISTINGS
CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY
Five-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

Soundview Playfield

Seattle,WA

Lighting System

Pole / Fixture Summary

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1	70'	30'	1	Cree OSQ	0.13 kW	F
		15'	1	TLC-BT-575	0.58 kW	A
		70'	5	TLC-LED-1150	5.75 kW	A
A2	70'	30'	1	Cree OSQ	0.13 kW	F
		15'	1	TLC-BT-575	0.58 kW	B
		70'	5	TLC-LED-1150	5.75 kW	B
A3	80'	30'	1	Cree OSQ	0.13 kW	F
		15'	2	TLC-BT-575	1.15 kW	D
		80'	6	TLC-LED-1150	6.90 kW	D
		80'	3	TLC-LED-1150	3.45 kW	E
B1	80'	30'	1	Cree OSQ	0.13 kW	F
		15'	2	TLC-BT-575	1.15 kW	C
		80'	8	TLC-LED-1150	9.20 kW	C
B2	80'	30'	1	Cree OSQ	0.13 kW	F
		15'	2	TLC-BT-575	1.15 kW	B
		80'	8	TLC-LED-1150	9.20 kW	B
B3	80'	30'	1	Cree OSQ	0.13 kW	F
		15'	2	TLC-BT-575	1.15 kW	C
		80'	6	TLC-LED-1150	6.90 kW	C
B4	80'	30'	1	Cree OSQ	0.13 kW	F
		15'	2	TLC-BT-575	1.15 kW	D
		80'	6	TLC-LED-1150	6.90 kW	D
7			***66***		***61.86 kW***	

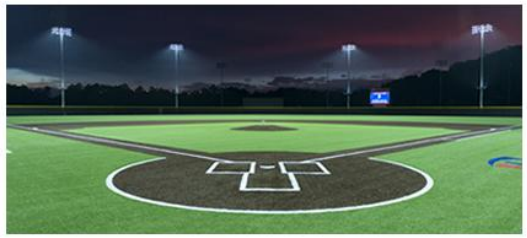
Circuit Summary

Circuit	Description	Load	Fixture Qty
A	Baseball Infield	6.33 kW	6
B	Baseball/ Soccer 2	16.67 kW	16
C	All Fields	18.4 kW	18
D	Softball/Soccer 1	16.1 kW	16
E	SB Infield	3.45 kW	3
F	Area Lights	0.91 kW	7

Fixture Type Summary

Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>51,000	>51,000	>51,000	12
TLC-LED-1150	LED 5700K - 75 CRI	1150W	121,000	>51,000	>51,000	>51,000	47

From Hometown to Professional



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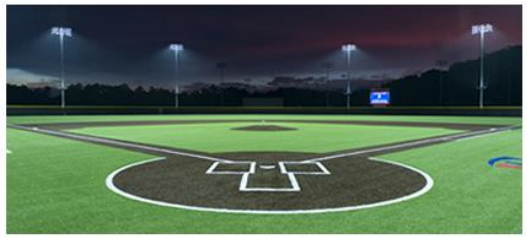
Soundview Playfield

Seattle,WA

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Baseball (Infield)	Horizontal Illuminance	54.1	38	66	1.73	1.42	A,B,C,D	56
Baseball (Outfield)	Horizontal Illuminance	35.4	27	46	1.73	1.31	A,B,C,D	56
Football	Horizontal Illuminance	33.1	22	43	1.96	1.50	B,C,D	50
Soccer 1	Horizontal Illuminance	32.1	23	45	1.98	1.40	C,D	34
Soccer 2	Horizontal Illuminance	34.3	24	41	1.71	1.43	B,C	34
Softball (Infield)	Horizontal Illuminance	53	41	62	1.51	1.29	B,C,D,E	53
Softball (Outfield)	Horizontal Illuminance	33.3	27	49	1.79	1.23	B,C,D,E	53

From Hometown to Professional



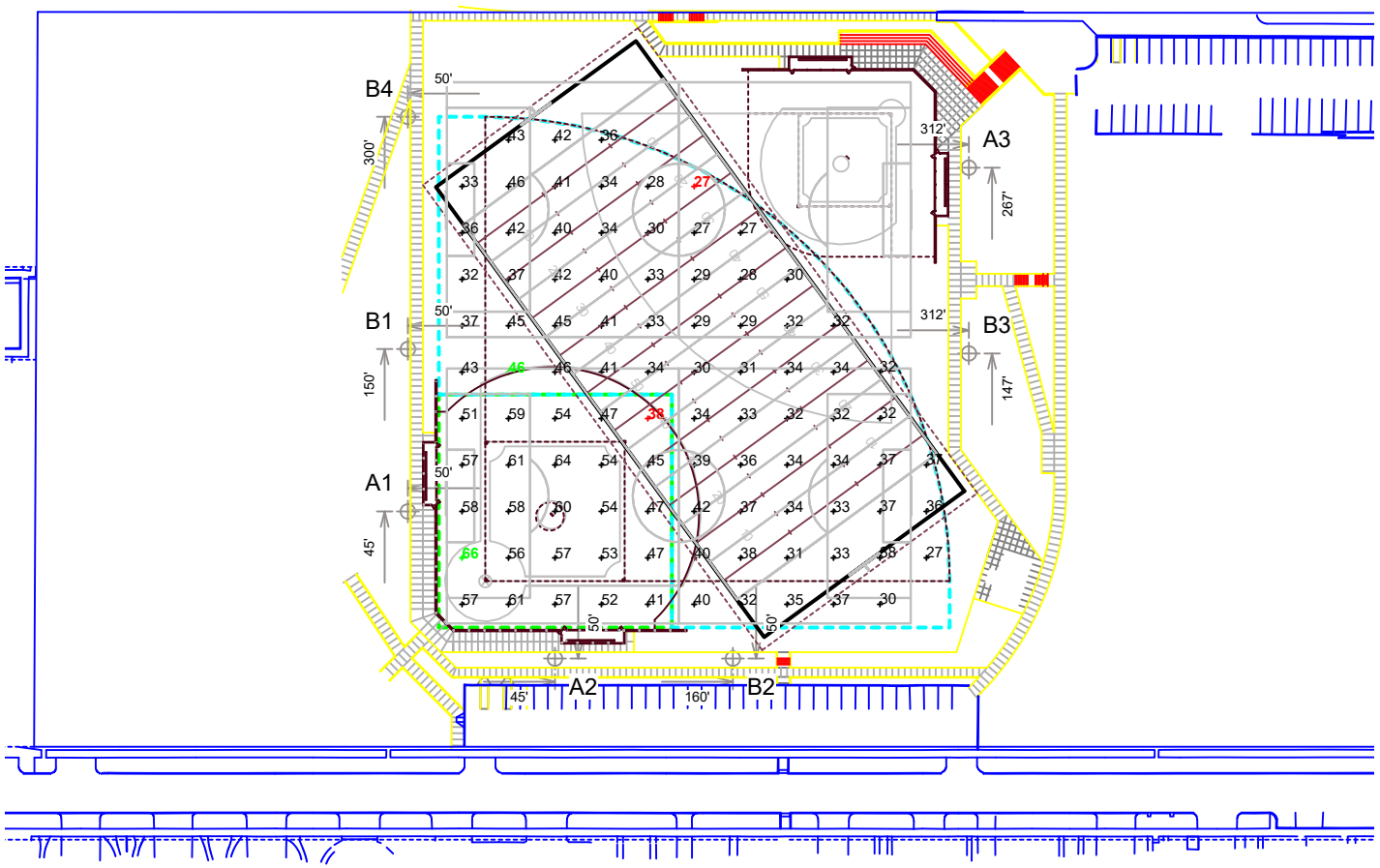
We Make It Happen®

Soundview Playfield

Seattle,WA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	15'	TLC-BT-575	1	1	0
				30'	Cree OSQ	1	0	1
				70'	TLC-LED-1150	5	5	0
1	A3	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	9	6	3
2	B1-B2	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	8	8	0
2	B3-B4	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	6	6	0
7	TOTALS					66	56	10



SCALE IN FEET 1 : 120

0' 120' 240'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Brad Vonk • File #188177A • 10-Apr-18

GRID SUMMARY

Name:	**Baseball**
Size:	300'/300'/300' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	54.08	35.38
Maximum:	66	46
Minimum:	38	27
Avg / Min:	1.41	1.32
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.73	1.73
UG (adjacent pts):	1.26	1.40
CU:	0.58	
No. of Points:	25	71

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	52,000 / 48,000 / 121,000 lumens
No. of Luminaires:	**56**
Total Load:	57.5 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>51,000	>51,000	>51,000
TLC-BT-675	>51,000	>51,000	>51,000
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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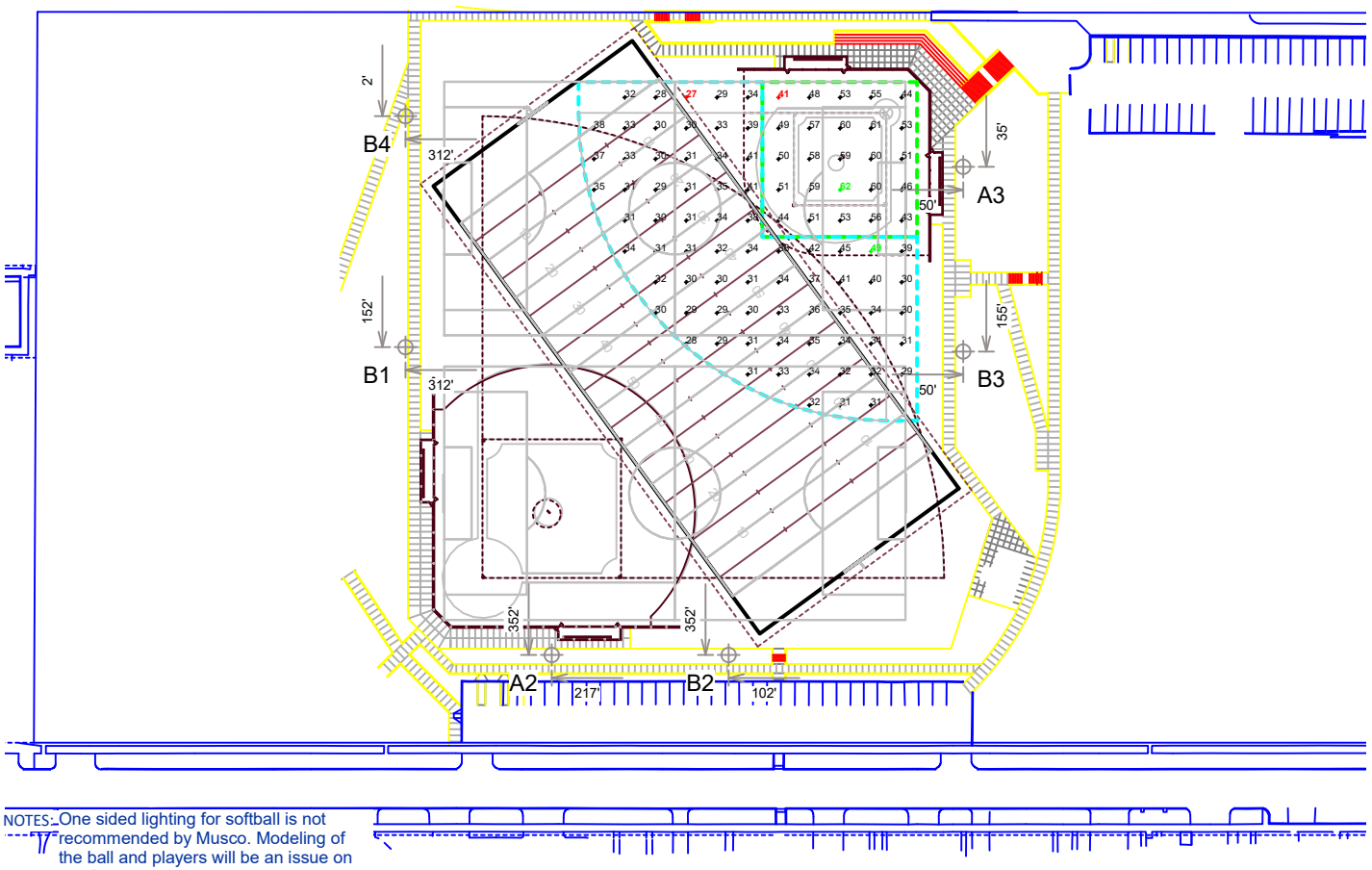
EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A2	70'	-	15'	TLC-BT-575	1	1	0
				30'	Cree OSQ	1	0	1
				70'	TLC-LED-1150	5	5	0
1	A3	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	9	9	0
2	B1-B2	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	8	8	0
2	B3-B4	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	6	6	0
6	TOTALS					59	53	6



NOTES: One sided lighting for softball is not recommended by Musco. Modeling of the ball and players will be an issue on this field.

SCALE IN FEET 1 : 120

0' 120' 240'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Brad Vonk • File #188177A • 10-Apr-18

Soundview Playfield

Seattle,WA

GRID SUMMARY

Name:	**Softball**
Size:	200'/200'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	53.01	33.28
Maximum:	62	49
Minimum:	41	27
Avg / Min:	1.29	1.23
Guaranteed Max / Min:	**2**	**2.5**
Max / Min:	1.51	1.79
UG (adjacent pts):	1.29	1.31
CU:	0.26	
No. of Points:	25	73

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	52,000 / 48,000 / 121,000 lumens
No. of Luminaires:	**53**
Total Load:	54.63 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>51,000	>51,000	>51,000
TLC-BT-675	>51,000	>51,000	>51,000
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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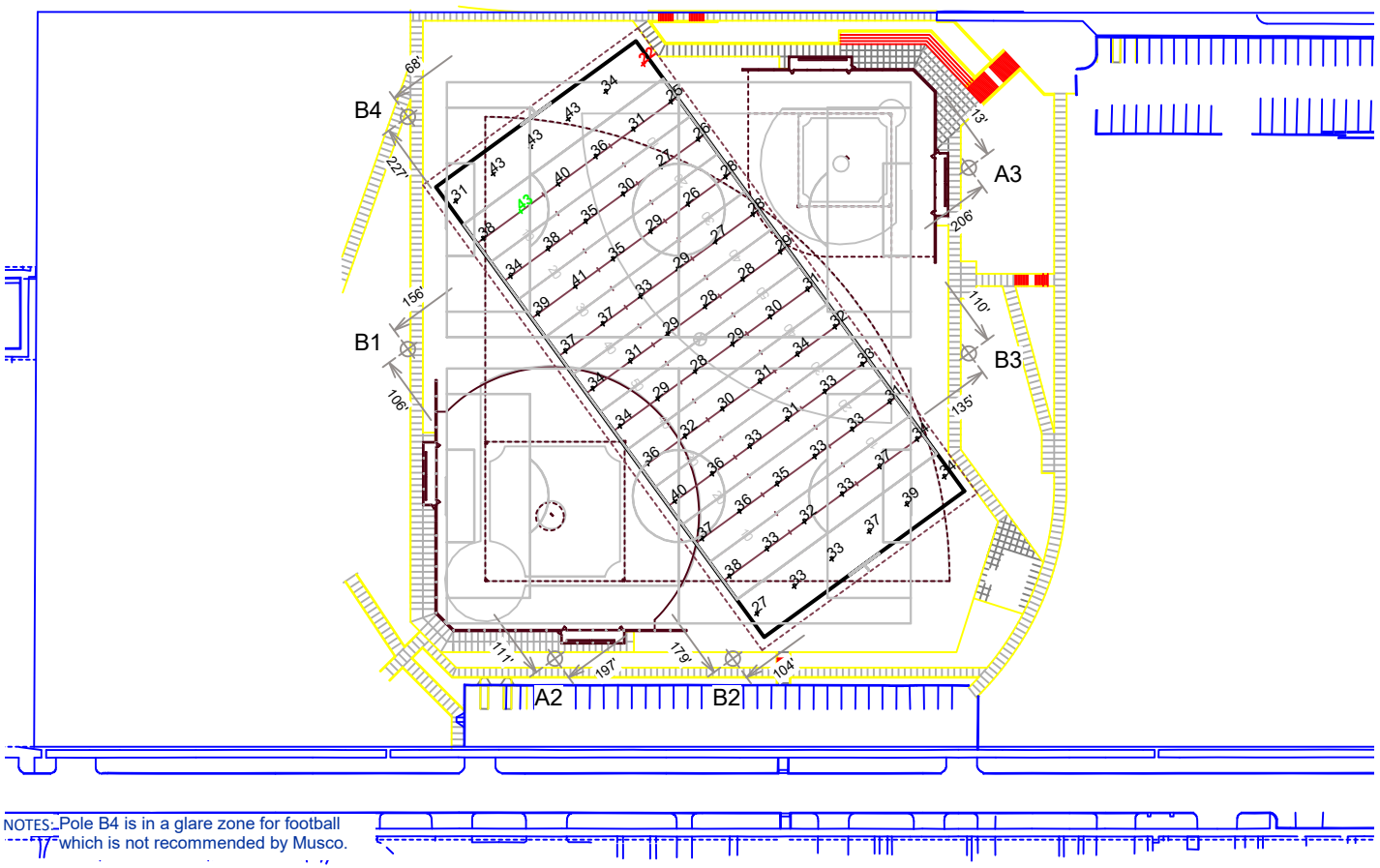
Soundview Playfield

Seattle,WA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A2	70'	-	15'	TLC-BT-575	1	1	0
				30'	Cree OSQ	1	0	1
				70'	TLC-LED-1150	5	5	0
1	A3	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	9	6	3
2	B1-B2	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	8	8	0
2	B3-B4	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	6	6	0
6	TOTALS					59	50	9



NOTES: Pole B4 is in a glare zone for football which is not recommended by Musco.

SCALE IN FEET 1 : 120

0' 120' 240'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

GRID SUMMARY

Name:	**Football**
Size:	360' x 160'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	33.10
Maximum:	43
Minimum:	22
Avg / Min:	1.49
Guaranteed Max / Min:	**2.5**
Max / Min:	1.96
UG (adjacent pts):	1.53
CU:	0.40
No. of Points:	72

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	52,000 / 48,000 / 121,000 lumens
No. of Luminaires:	**50**
Total Load:	51.18 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>51,000	>51,000	>51,000
TLC-BT-675	>51,000	>51,000	>51,000
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN By: Brad Vonk • File #188177A • 10-Apr-18

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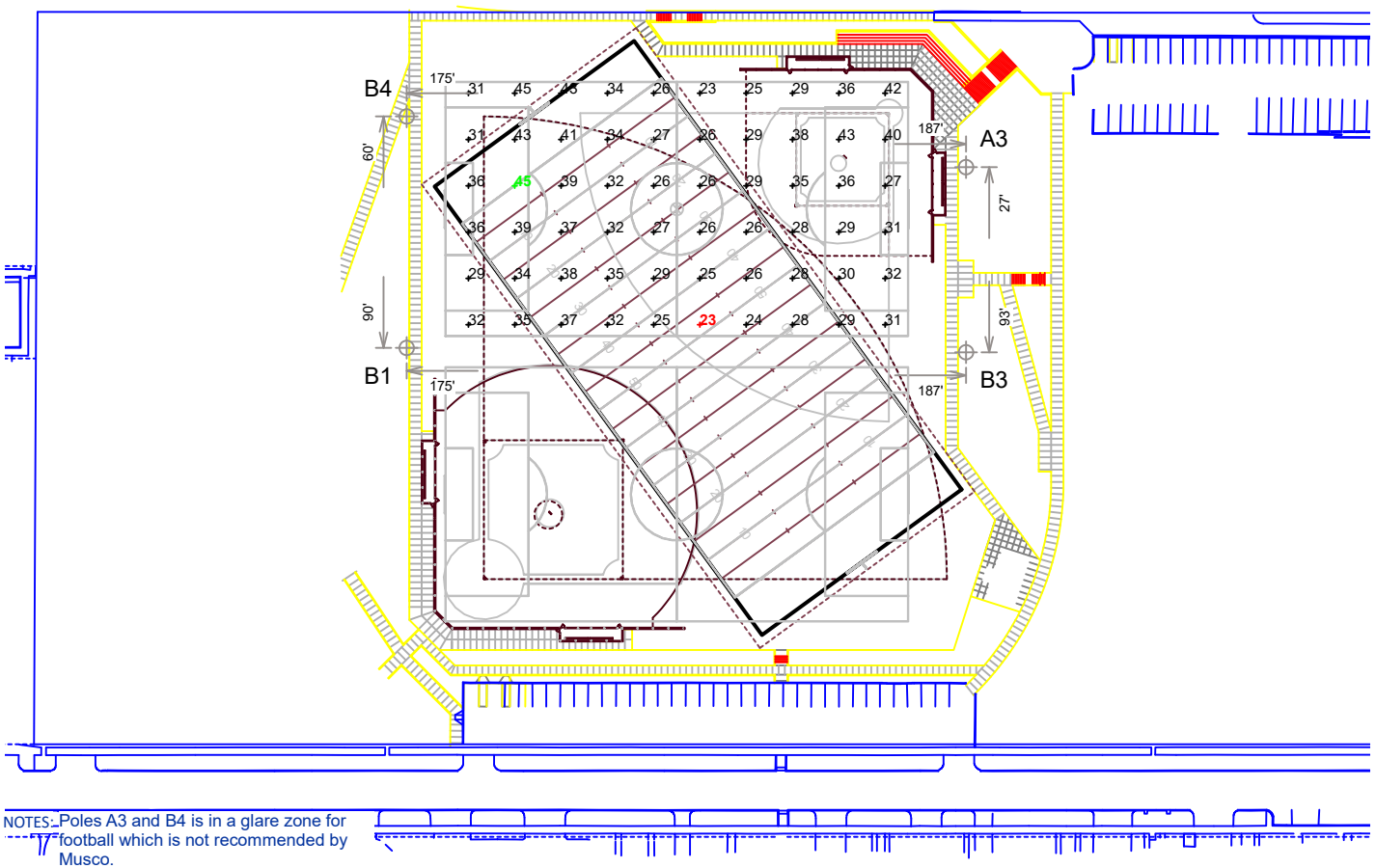
Soundview Playfield

Seattle,WA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A3	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	9	6	3
1	B1	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	8	8	0
2	B3-B4	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	6	6	0
4	TOTALS					41	34	7



NOTES: Poles A3 and B4 is in a glare zone for football which is not recommended by Musco.

SCALE IN FEET 1 : 120

0' 120' 240'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Brad Vonk • File #188177A • 10-Apr-18

GRID SUMMARY

Name:	**Soccer 1**
Size:	300' x 165'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	32.14
Maximum:	45
Minimum:	23
Avg / Min:	1.42
Guaranteed Max / Min:	**2.5**
Max / Min:	1.98
UG (adjacent pts):	1.46
CU:	0.49
No. of Points:	60

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	52,000 / 48,000 / 121,000 lumens
No. of Luminaires:	**34**
Total Load:	34.5 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>51,000	>51,000	>51,000
TLC-BT-675	>51,000	>51,000	>51,000
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

musco Lighting

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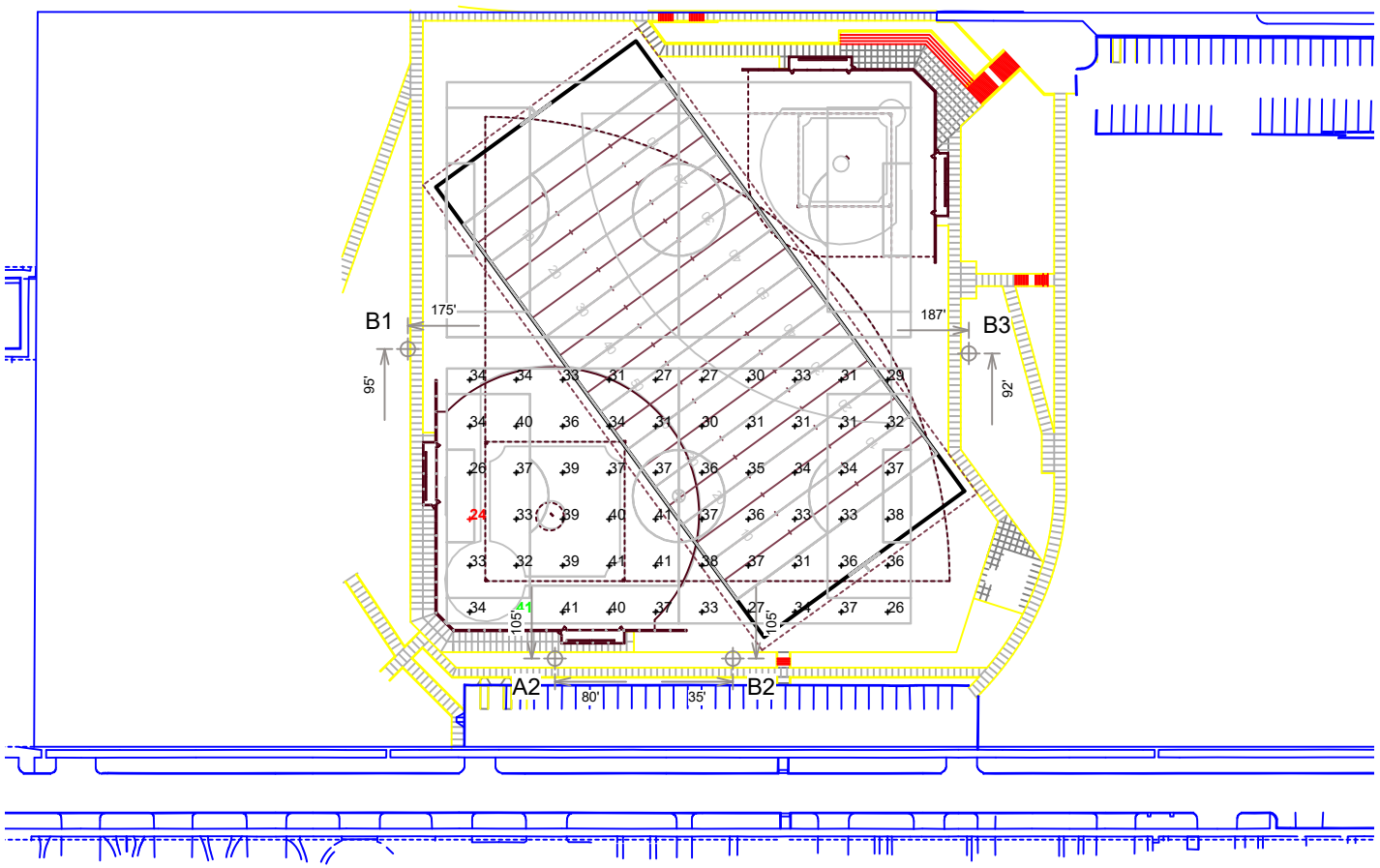
Soundview Playfield

Seattle,WA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A2	70'	-	15'	TLC-BT-575	1	1	0
				30'	Cree OSQ	1	0	1
				70'	TLC-LED-1150	5	5	0
2	B1-B2	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	8	8	0
1	B3	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	6	6	0
4	TOTALS					38	34	4



SCALE IN FEET 1 : 120

0' 120' 240'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

GRID SUMMARY

Name:	**Soccer 2**
Size:	300' x 165'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	34.31
Maximum:	41
Minimum:	24
Avg / Min:	1.43
Guaranteed Max / Min:	**2.5**
Max / Min:	1.71
UG (adjacent pts):	1.42
CU:	0.50
No. of Points:	60

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	52,000 / 48,000 / 121,000 lumens
No. of Luminaires:	**34**
Total Load:	35.08 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>51,000	>51,000	>51,000
TLC-BT-675	>51,000	>51,000	>51,000
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

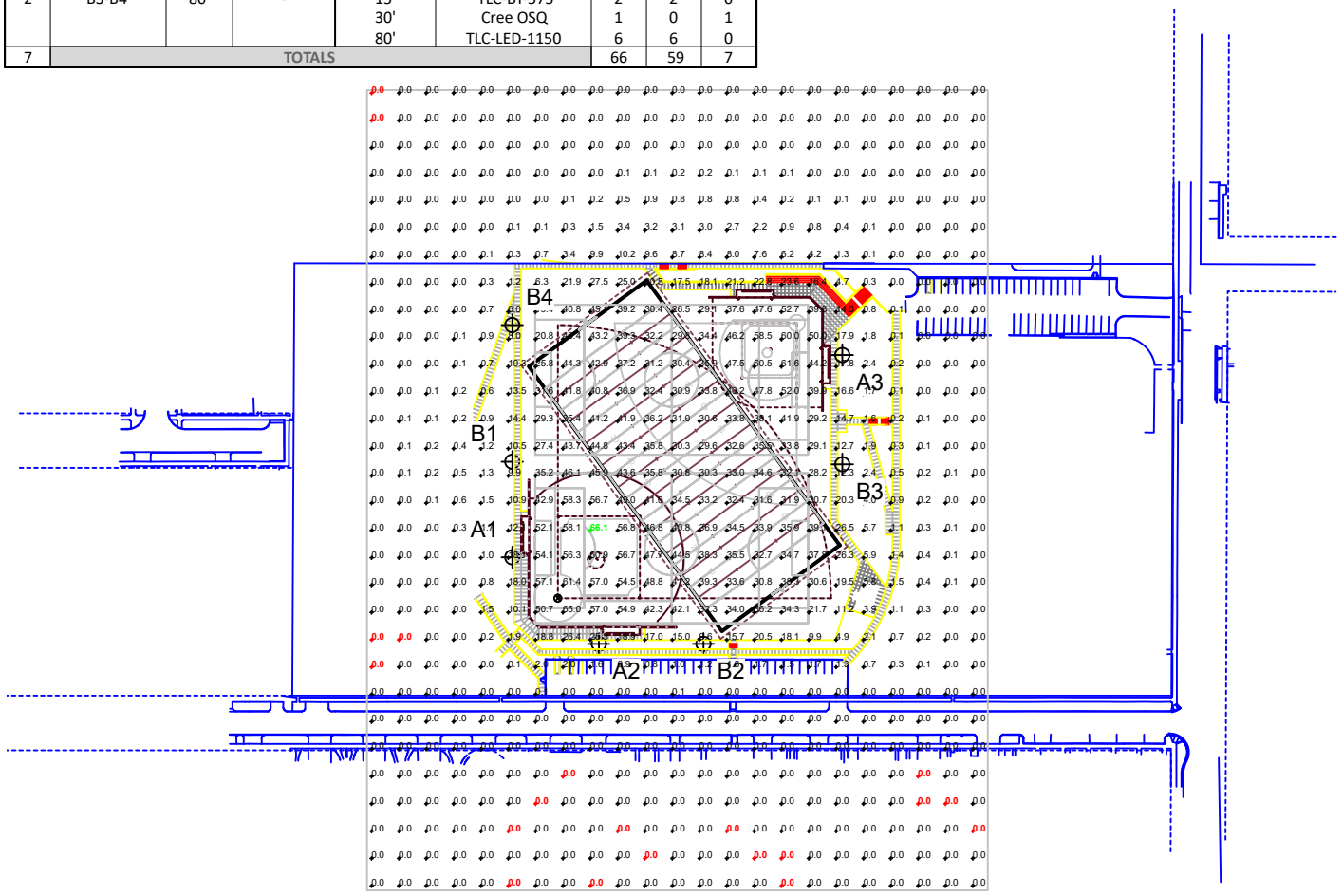
ENGINEERED DESIGN By: Brad Vonk • File #188177A • 10-Apr-18

Soundview Playfield

Seattle,WA

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	15'	TLC-BT-575	1	1	0
				30'	Cree OSQ	1	0	1
				70'	TLC-LED-1150	5	5	0
1	A3	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	9	9	0
2	B1-B2	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	8	8	0
2	B3-B4	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	6	6	0
7	TOTALS					66	59	7



SCALE IN FEET 1 : 200

0' 200' 400'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Brad Vonk • File #188177A • 10-Apr-18

GRID SUMMARY

Name:	**Blanket**
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Scan Average:	**9.13**
Maximum:	66
Minimum:	0
UG (adjacent pts):	398.20
CU:	0.89
No. of Points:	690

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	52,000 / 48,000 / 121,000 lumens
No. of Luminaires:	**59**
Total Load:	60.95 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>51,000	>51,000	>51,000
TLC-BT-675	>51,000	>51,000	>51,000
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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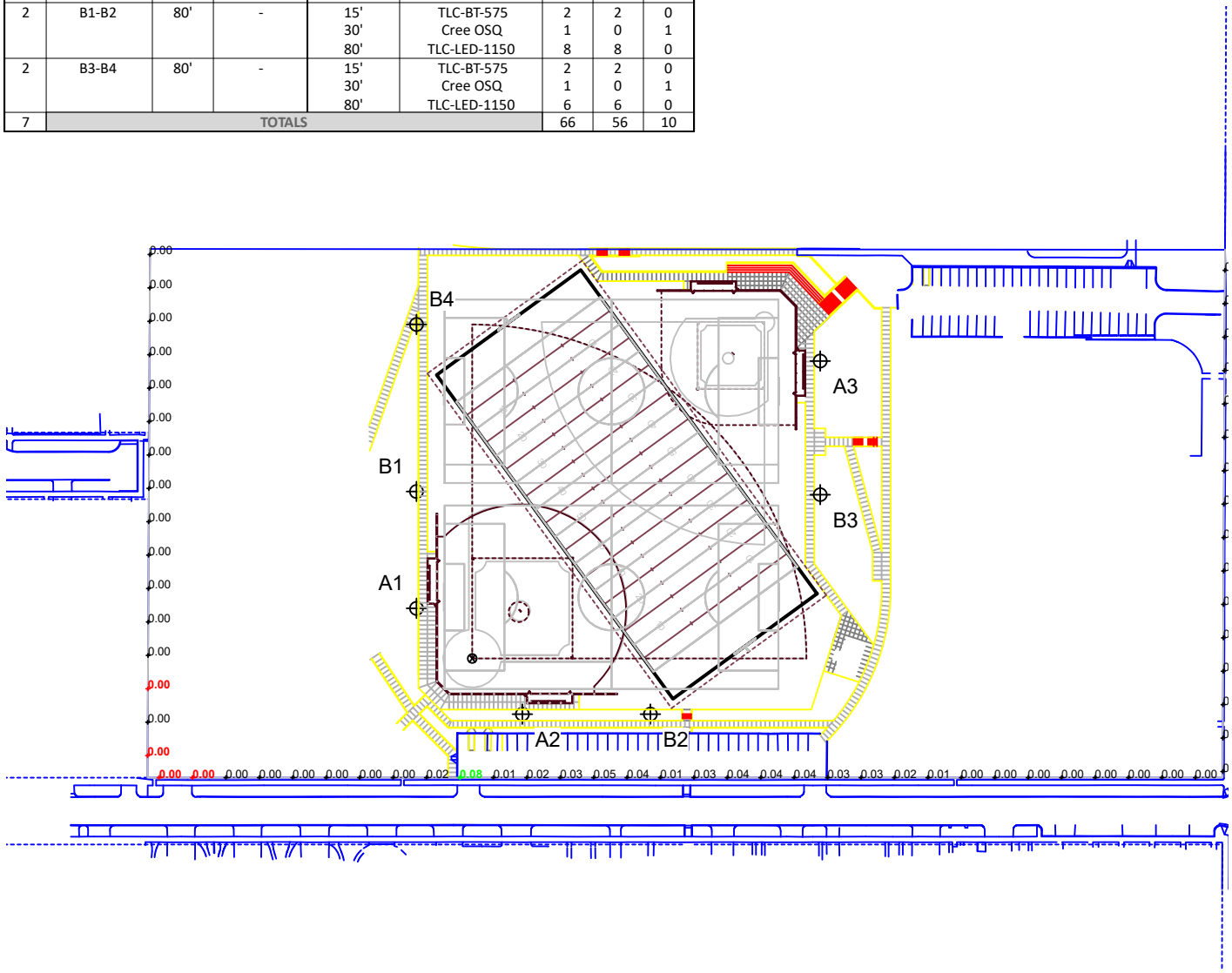
EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	15'	TLC-BT-575	1	1	0
				30'	Cree OSQ	1	0	1
				70'	TLC-LED-1150	5	5	0
1	A3	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	9	6	3
2	B1-B2	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	8	8	0
2	B3-B4	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	6	6	0
7	TOTALS					66	56	10



SCALE IN FEET 1 : 150

0' 150' 300'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Brad Vonk • File #188177A • 10-Apr-18

Soundview Playfield

Seattle,WA

GRID SUMMARY

Name:	**Spill @ PL**
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Scan Average:	**0.0076**
Maximum:	0.08
Minimum:	0.00
No. of Points:	64

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	52,000 / 48,000 / 121,000 lumens
No. of Luminaires:	**56**
Total Load:	57.5 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>51,000	>51,000	>51,000
TLC-BT-675	>51,000	>51,000	>51,000
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	15'	TLC-BT-575	1	1	0
				30'	Cree OSQ	1	0	1
				70'	TLC-LED-1150	5	5	0
1	A3	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	9	6	3
2	B1-B2	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	8	8	0
2	B3-B4	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	6	6	0
7	TOTALS					66	56	10

Soundview Playfield

Seattle,WA

GRID SUMMARY

Name: Spill @ PL
Spacing: 30.0'
Height: 3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED MAX VERTICAL FOOTCANDLES

	Entire Grid
Scan Average:	0.0187
Maximum:	0.20
Minimum:	0.00
No. of Points:	64

LUMINAIRE INFORMATION

Color / CRI: 5700K - 75 CRI
Luminaire Output: 52,000 / 48,000 / 121,000 lumens
No. of Luminaires: **56**
Total Load: 57.5 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>51,000	>51,000	>51,000
TLC-BT-675	>51,000	>51,000	>51,000
TLC-LED-1150	>51,000	>51,000	>51,000

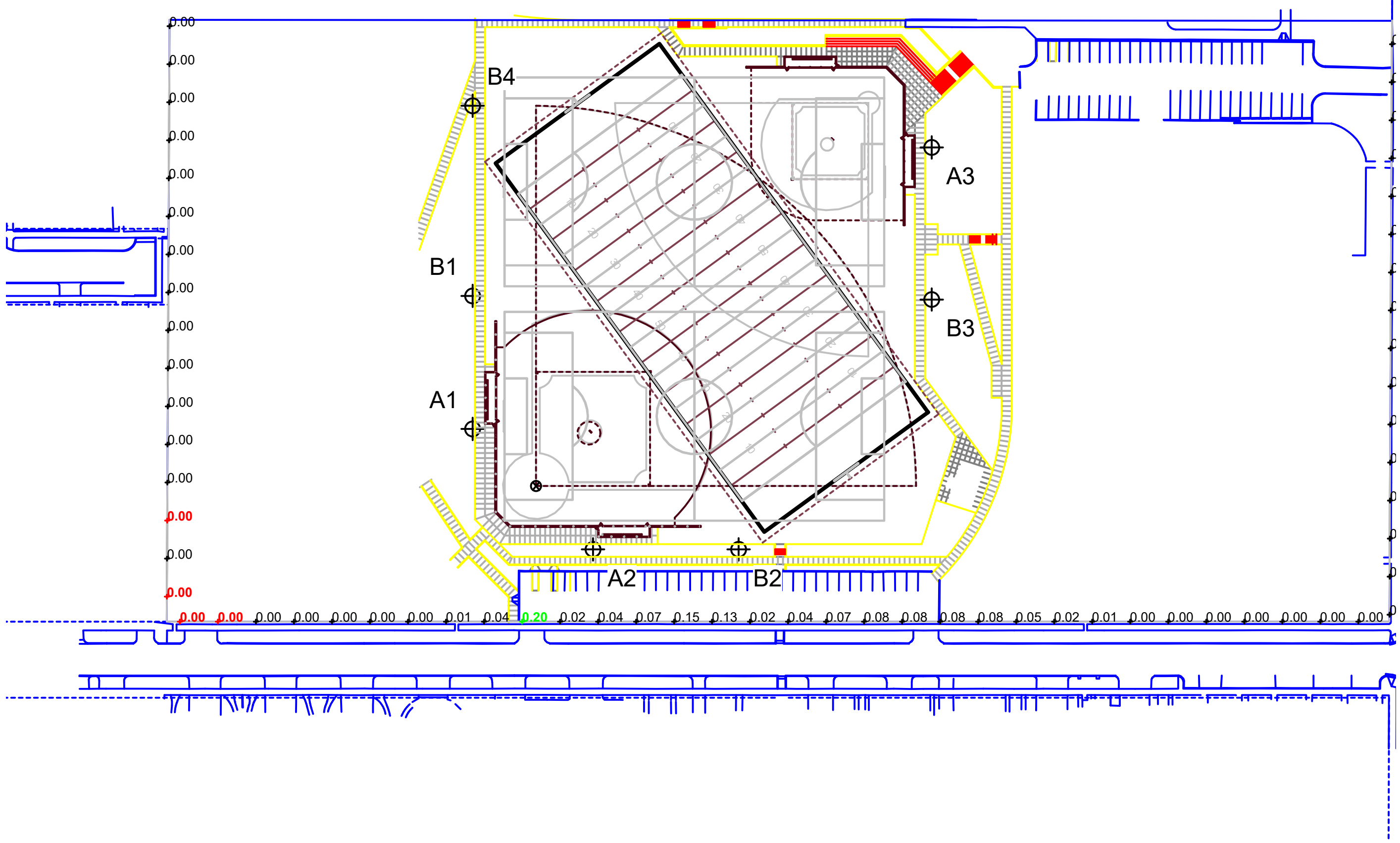
Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



SCALE IN FEET 1 : 150

0' 150' 300'

Pole location(s) ⌖ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Brad Vonk • File #188177A • 10-Apr-18

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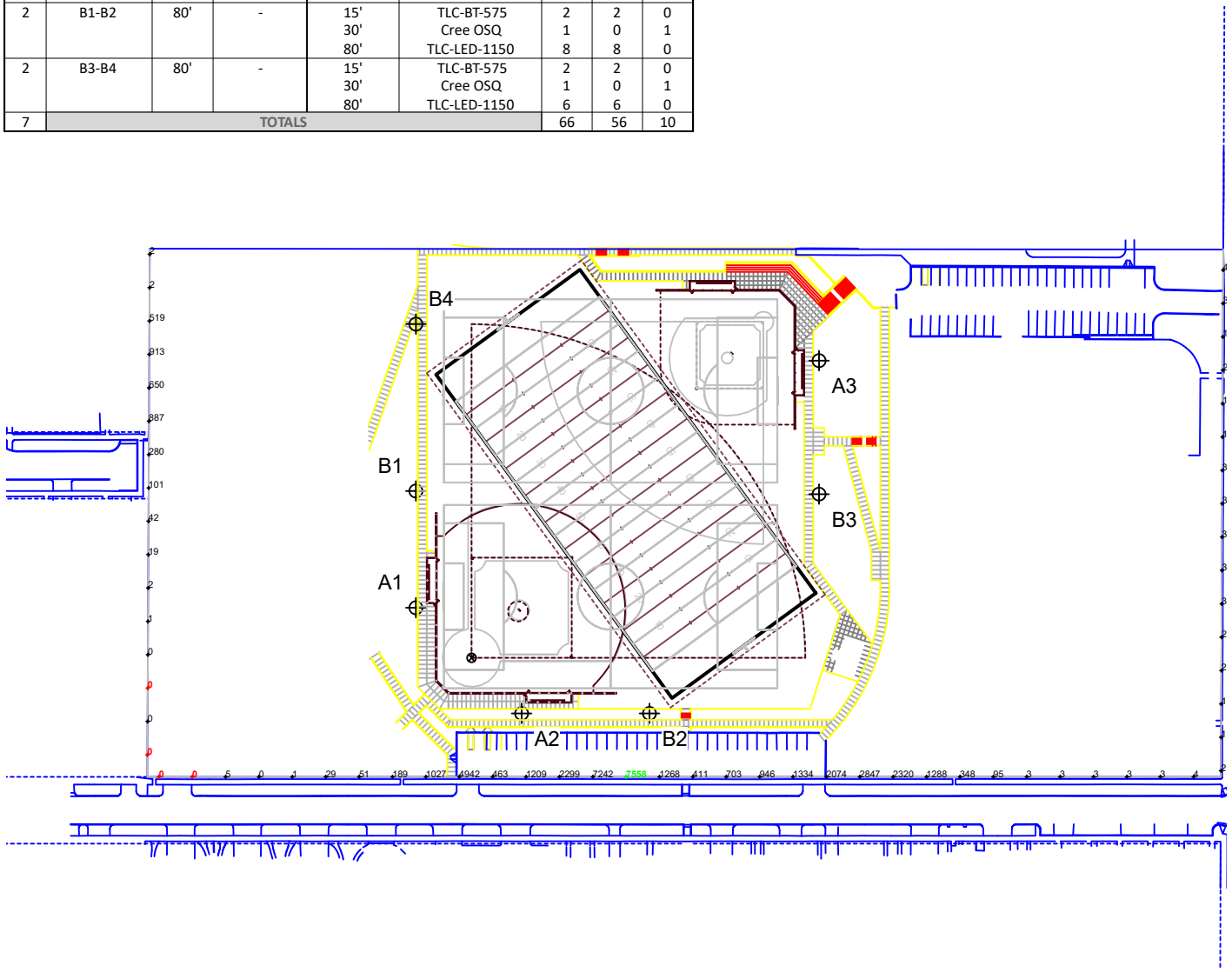
EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	15'	TLC-BT-575	1	1	0
				30'	Cree OSQ	1	0	1
				70'	TLC-LED-1150	5	5	0
1	A3	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	9	6	3
2	B1-B2	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	8	8	0
2	B3-B4	80'	-	15'	TLC-BT-575	2	2	0
				30'	Cree OSQ	1	0	1
				80'	TLC-LED-1150	6	6	0
7	TOTALS					66	56	10



SCALE IN FEET 1 : 150

0' 150' 300'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Brad Vonk • File #188177A • 10-Apr-18

Soundview Playfield

Seattle,WA

GRID SUMMARY

Name:	**Spill @ PL**
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED CANDELA (PER FIXTURE)

	Entire Grid
Scan Average:	**658.2328**
Maximum:	7558.19
Minimum:	0.00
No. of Points:	64

LUMINAIRE INFORMATION

Color / CRI:	5700K - 75 CRI
Luminaire Output:	52,000 / 48,000 / 121,000 lumens
No. of Luminaires:	**56**
Total Load:	57.5 kW

Lumen Maintenance

Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>51,000	>51,000	>51,000
TLC-BT-675	>51,000	>51,000	>51,000
TLC-LED-1150	>51,000	>51,000	>51,000

Reported per TM-21-11. See luminaire datasheet for details.

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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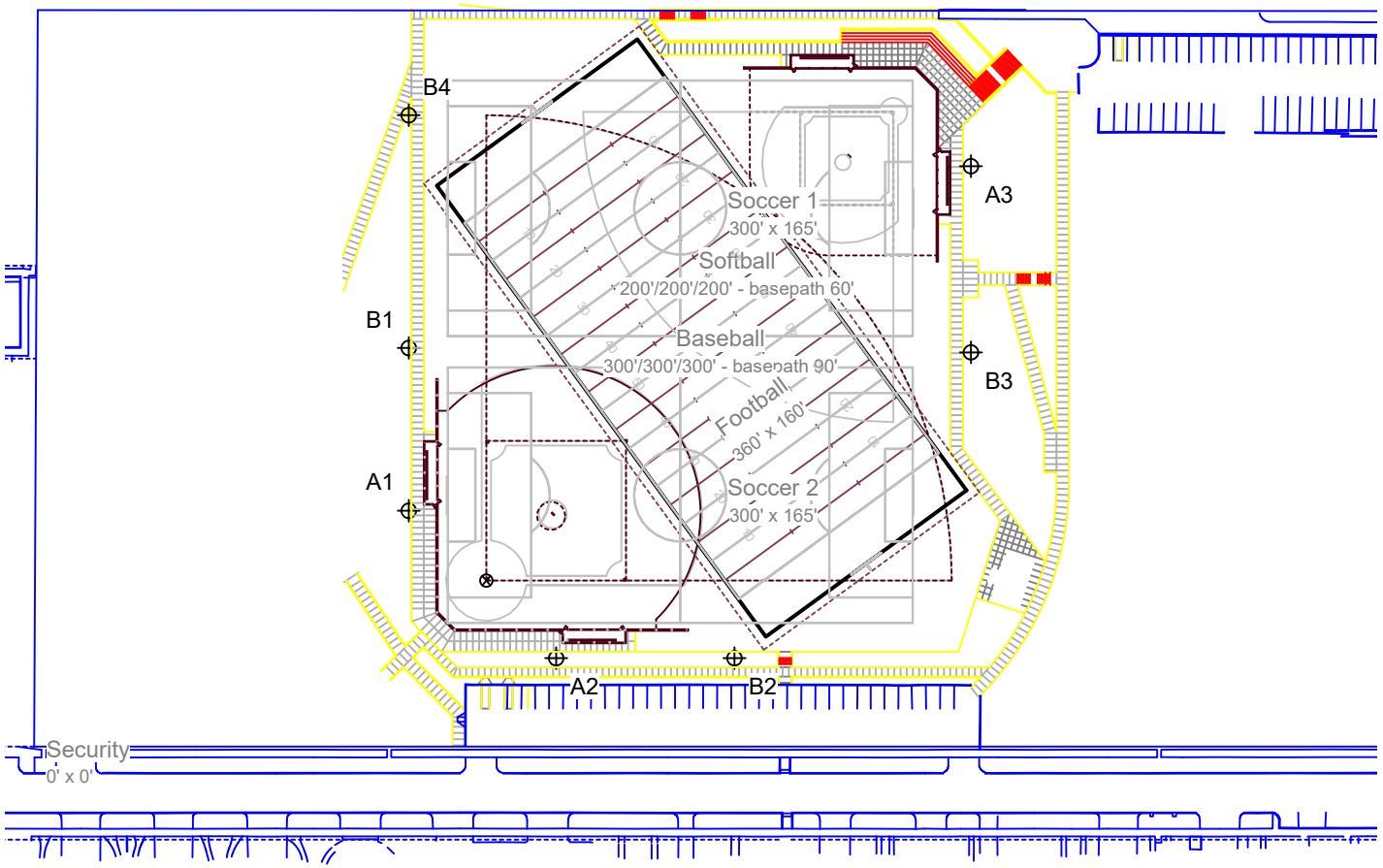
Soundview Playfield

Seattle,WA



EQUIPMENT LAYOUT

INCLUDES:

- Baseball
- Football
- Security
- Soccer 1
- Soccer 2
- Softball

Electrical System Requirements: Refer to Amperage Draw Chart and/or the **"Musco Control System Summary"** for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY / POLE
2	A1-A2	70'	-	15'	TLC-BT-575	1
				30'	Cree OSQ	1
				70'	TLC-LED-1150	5
1	A3	80'	-	15'	TLC-BT-575	2
				30'	Cree OSQ	1
				80'	TLC-LED-1150	9
2	B1-B2	80'	-	15'	TLC-BT-575	2
				30'	Cree OSQ	1
				80'	TLC-LED-1150	8
2	B3-B4	80'	-	15'	TLC-BT-575	2
				30'	Cree OSQ	1
				80'	TLC-LED-1150	6
7	TOTALS					66

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Cree OSQ	-	-	-	-	-	-	-
TLC-BT-575	3.2	3.0	2.8	2.4	1.9	1.7	1.4
TLC-LED-1150	6.8	6.5	5.9	5.1	4.1	3.7	3.0

SCALE IN FEET 1 : 120

0' 120' 240'

Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

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We Make It Happen®

Soundview Playfield

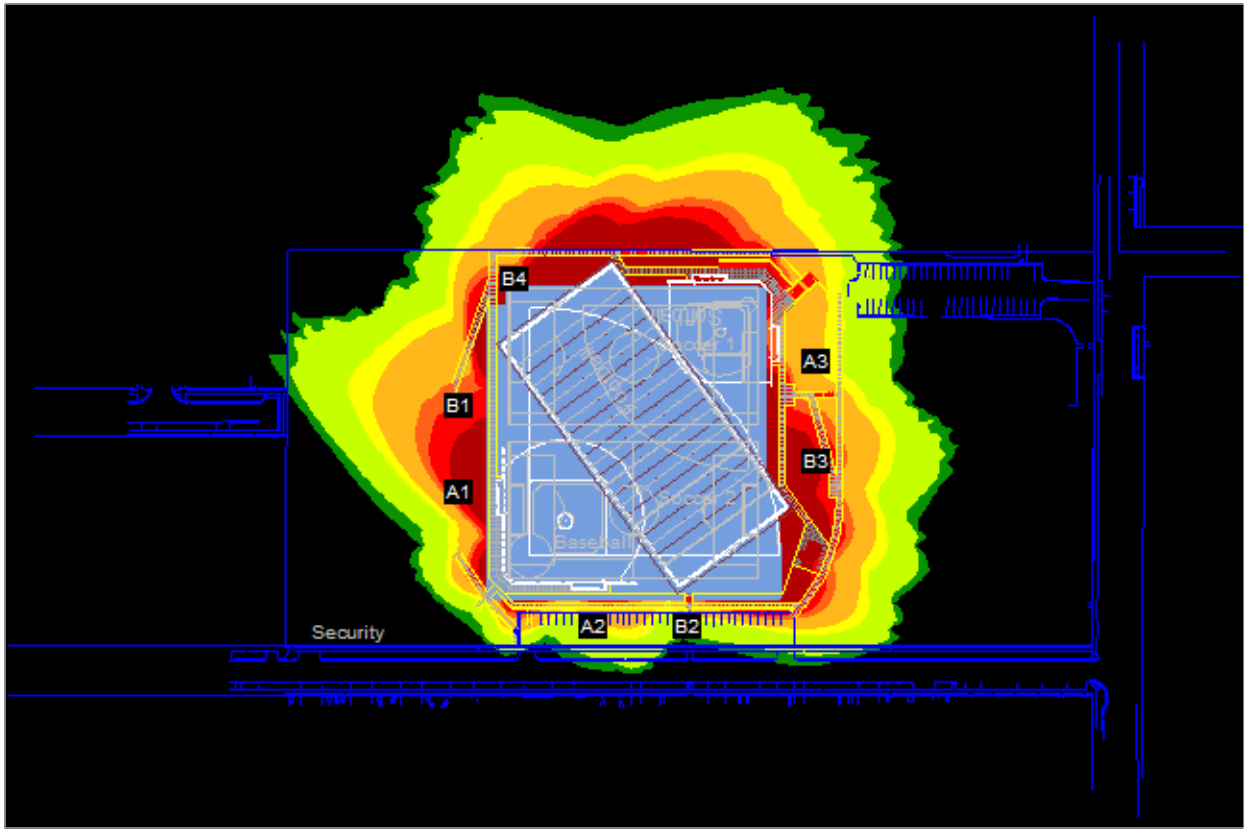
Seattle,WA

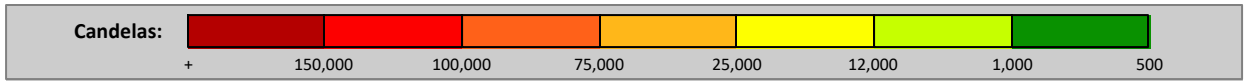
GLARE IMPACT

Summary

Map indicates the maximum candela an observer would see when facing the brightest light source from any direction.

A well-designed lighting system controls light to provide maximum useful on-field illumination with minimal objectionable off-site glare.





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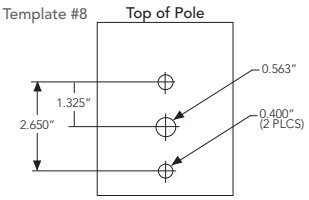
Drilling



Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.

If ordering new poles, specify the AERIS™ drilling pattern, per the table below.

DM19AS Single unit **DM28AS** 2 at 180°

Example: SSA 20 4C **DM19AS** DDBXD

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
10C (10 LEDs)	350mA	14W	T2S	1,415	0	0	1	101	1,520	0	0	1	109	1,529	0	0	1	109	894	0	0	1	64
			T2M	1,349	0	0	1	96	1,449	0	0	1	103	1,458	0	0	1	104	852	0	0	1	61
			T3S	1,400	0	0	1	100	1,503	0	0	1	107	1,512	0	0	1	108	884	0	0	1	63
			T3M	1,386	0	0	1	99	1,488	0	0	1	106	1,497	0	0	1	107	876	0	0	1	63
			T4M	1,358	0	0	1	97	1,458	0	0	1	104	1,467	0	0	1	105	858	0	0	1	61
			TFTM	1,411	0	0	1	101	1,515	0	0	1	108	1,525	0	0	1	109	892	0	0	1	64
			T5M	1,486	1	0	0	106	1,595	1	0	0	114	1,605	1	0	0	115	939	1	0	0	67
			T5S	1,516	1	0	0	108	1,627	1	0	0	116	1,638	1	0	0	117	958	1	0	0	68
			T5A	1,425	1	0	1	102	1,531	1	0	1	109	1,540	1	0	1	110	901	1	0	1	64
			T5W	1,423	1	0	1	102	1,528	1	0	1	109	1,538	1	0	1	110	899	1	0	1	64
			ASYDF	1,262	0	0	1	90	1,355	1	0	1	97	1,363	1	0	1	97	797	0	0	1	57
			SYMDF	1,299	1	0	1	93	1,394	1	0	1	100	1,403	1	0	1	100	821	1	0	1	59
	530mA	20W	T2S	2,054	1	0	1	103	2,205	1	0	1	110	2,219	0	0	1	111	1,264	0	0	1	63
			T2M	1,957	1	0	1	98	2,102	1	0	1	105	2,115	0	0	1	106	1,205	0	0	1	60
			T3S	2,031	0	0	1	102	2,181	0	0	1	109	2,195	0	0	1	110	1,250	0	0	1	63
			T3M	2,010	1	0	1	101	2,159	1	0	1	108	2,172	0	0	1	109	1,237	0	0	1	62
			T4M	1,970	1	0	1	98	2,115	1	0	1	106	2,128	0	0	1	106	1,212	0	0	1	61
			TFTM	2,047	0	0	1	102	2,198	0	0	1	110	2,212	0	0	1	111	1,260	0	0	1	63
			T5M	2,156	1	0	0	108	2,315	2	0	0	116	2,329	1	0	0	116	1,326	1	0	0	66
			T5S	2,199	1	0	0	110	2,361	1	0	0	118	2,376	1	0	0	119	1,353	1	0	0	68
			T5A	2,068	2	0	1	103	2,221	2	0	1	111	2,235	1	0	1	112	1,272	1	0	1	64
			T5W	2,065	2	0	1	103	2,217	2	0	1	111	2,231	1	0	1	112	1,271	1	0	1	64
			ASYDF	1,830	1	0	1	92	1,966	1	0	1	98	1,978	0	0	1	99	1,127	0	0	1	56
			SYMDF	1,884	1	0	1	94	2,023	1	0	1	101	2,036	1	0	1	102	1,160	1	0	1	58
	700mA	27W	T2S	2,623	1	0	1	97	2,816	1	0	1	104	2,834	0	0	1	105	1,544	0	0	1	57
			T2M	2,499	1	0	1	93	2,684	1	0	1	99	2,701	0	0	1	100	1,472	0	0	1	55
			T3S	2,593	1	0	1	96	2,785	1	0	1	103	2,802	0	0	1	104	1,527	0	0	1	57
			T3M	2,567	1	0	1	95	2,757	1	0	1	102	2,774	0	0	1	103	1,512	0	0	1	56
			T4M	2,515	1	0	1	93	2,701	1	0	1	100	2,718	0	0	1	101	1,481	0	0	1	55
			TFTM	2,614	1	0	1	97	2,807	1	0	1	104	2,825	0	0	1	105	1,539	0	0	1	57
			T5M	2,753	2	0	0	102	2,956	2	0	0	109	2,974	1	0	0	110	1,621	1	0	0	60
			T5S	2,808	1	0	0	104	3,015	1	0	0	112	3,034	1	0	0	112	1,654	1	0	0	61
			T5A	2,641	2	0	1	98	2,836	2	0	1	105	2,854	1	0	1	106	1,555	1	0	1	58
			T5W	2,637	2	0	1	98	2,831	2	0	1	105	2,849	1	0	1	106	1,553	1	0	1	58
			ASYDF	2,337	1	0	1	87	2,510	1	0	1	93	2,526	1	0	1	94	1,376	1	0	1	51
			SYMDF	2,406	1	0	1	89	2,584	1	0	1	96	2,600	1	0	1	96	1,417	1	0	1	52
	1000mA	40W	T2S	3,685	1	0	1	92	3,957	1	0	1	99	3,982	1	0	1	100	2,235	1	0	1	58
			T2M	3,512	1	0	1	88	3,771	1	0	1	94	3,795	1	0	1	95	2,130	1	0	2	55
			T3S	3,644	1	0	1	91	3,913	1	0	1	98	3,938	1	0	1	98	2,210	1	0	2	57
			T3M	3,607	1	0	1	90	3,874	1	0	1	97	3,898	1	0	1	97	2,187	1	0	2	56
			T4M	3,534	1	0	1	88	3,795	1	0	1	95	3,819	1	0	1	95	2,143	1	0	2	55
			TFTM	3,674	1	0	1	92	3,945	1	0	1	99	3,969	1	0	1	99	2,228	1	0	2	57
			T5M	3,868	2	0	1	97	4,153	2	0	1	104	4,179	3	0	1	104	2,345	3	0	1	60
			T5S	3,946	1	0	0	99	4,237	2	0	0	106	4,264	2	0	0	107	2,393	2	0	1	62
			T5A	3,711	2	0	1	93	3,985	2	0	1	100	4,010	3	0	1	100	2,250	3	0	2	58
			T5W	3,705	2	0	1	93	3,978	2	0	1	99	4,003	3	0	1	100	2,247	3	0	2	58
			ASYDF	3,284	1	0	1	82	3,527	1	0	1	88	3,549	1	0	1	89	1,991	1	0	2	51
			SYMDF	3,381	1	0	1	85	3,630	1	0	1	91	3,653	2	0	1	91	2,050	2	0	2	53

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	350mA	24W	T2S	2,820	1	0	1	118	3,028	1	0	1	126	3,047	1	0	1	127	1,777	1	0	1	74
			T2M	2,688	1	0	1	112	2,886	1	0	1	120	2,904	1	0	1	121	1,693	1	0	1	71
			T3S	2,789	1	0	1	116	2,995	1	0	1	125	3,013	1	0	1	126	1,757	0	0	1	73
			T3M	2,761	1	0	1	115	2,964	1	0	1	124	2,983	1	0	1	124	1,739	1	0	1	72
			T4M	2,705	1	0	1	113	2,904	1	0	1	121	2,922	1	0	1	122	1,704	1	0	1	71
			TFTM	2,811	1	0	1	117	3,019	1	0	1	126	3,038	1	0	1	127	1,771	0	0	1	74
			T5M	2,960	2	0	1	123	3,178	2	0	1	132	3,198	2	0	1	133	1,865	1	0	0	78
			T5S	3,020	1	0	0	126	3,242	1	0	0	135	3,263	1	0	0	136	1,903	1	0	0	79
			T5A	2,840	2	0	1	118	3,049	2	0	1	127	3,068	2	0	1	128	1,789	2	0	1	75
			T5W	2,835	2	0	1	118	3,044	2	0	1	127	3,063	2	0	1	128	1,786	2	0	1	74
			ASYDF	2,513	1	0	1	105	2,699	1	0	1	112	2,716	1	0	1	113	1,584	1	0	1	66
			SYMDF	2,587	1	0	1	108	2,778	1	0	1	116	2,796	1	0	1	116	1,630	1	0	1	68
	530mA	36W	T2S	4,079	1	0	1	113	4,380	1	0	1	122	4,408	1	0	1	122	2,504	1	0	1	70
			T2M	3,887	1	0	1	108	4,174	1	0	1	116	4,200	1	0	1	117	2,387	1	0	1	66
			T3S	4,034	1	0	1	112	4,332	1	0	1	120	4,359	1	0	1	121	2,477	1	0	1	69
			T3M	3,993	1	0	1	111	4,288	1	0	1	119	4,315	1	0	1	120	2,451	1	0	2	68
			T4M	3,912	1	0	2	109	4,201	1	0	2	117	4,227	1	0	1	117	2,402	1	0	1	67
			TFTM	4,066	1	0	1	113	4,367	1	0	1	121	4,394	1	0	1	122	2,496	1	0	1	69
			T5M	4,281	3	0	1	119	4,597	3	0	1	128	4,626	3	0	1	129	2,629	3	0	1	73
			T5S	4,368	2	0	1	121	4,690	2	0	1	130	4,719	2	0	1	131	2,682	2	0	1	75
			T5A	4,108	3	0	2	114	4,411	3	0	2	123	4,438	3	0	2	123	2,522	3	0	2	70
			T5W	4,101	3	0	2	114	4,403	3	0	2	122	4,431	3	0	2	123	2,518	3	0	2	70
			ASYDF	3,635	1	0	2	101	3,904	1	0	2	108	3,928	1	0	2	109	2,232	1	0	1	62
			SYMDF	3,742	2	0	2	104	4,018	2	0	2	112	4,044	2	0	2	112	2,297	2	0	2	64
	700mA	47W	T2S	5,188	1	0	1	110	5,571	1	0	1	119	5,606	1	0	1	119	3,065	1	0	1	65
			T2M	4,945	1	0	1	105	5,310	1	0	1	113	5,343	1	0	1	114	2,921	1	0	1	62
			T3S	5,131	1	0	1	109	5,510	1	0	2	117	5,544	1	0	2	118	3,031	1	0	1	64
			T3M	5,079	1	0	2	108	5,454	1	0	2	116	5,488	1	0	2	117	3,000	1	0	1	64
			T4M	4,976	1	0	2	106	5,343	1	0	2	114	5,377	1	0	2	114	2,939	1	0	1	63
			TFTM	5,172	1	0	2	110	5,554	1	0	2	118	5,589	1	0	2	119	3,055	1	0	1	65
			T5M	5,446	3	0	1	116	5,848	3	0	1	124	5,884	3	0	1	125	3,217	3	0	1	68
			T5S	5,555	2	0	1	118	5,966	2	0	1	127	6,003	2	0	1	128	3,282	2	0	1	70
			T5A	5,225	3	0	2	111	5,610	3	0	2	119	5,645	3	0	2	120	3,086	3	0	2	66
			T5W	5,216	3	0	2	111	5,601	3	0	2	119	5,636	3	0	2	120	3,081	3	0	2	66
			ASYDF	4,624	1	0	2	98	4,966	1	0	2	106	4,997	1	0	2	106	2,732	1	0	1	58
			SYMDF	4,760	2	0	2	101	5,111	2	0	2	109	5,143	2	0	2	109	2,812	2	0	2	60
	1000mA	74W	T2S	7,205	1	0	1	97	7,736	1	0	1	105	7,785	1	0	1	105	4,429	1	0	1	61
			T2M	6,866	1	0	2	93	7,373	1	0	2	100	7,419	1	0	2	100	4,221	1	0	2	58
			T3S	7,124	1	0	2	96	7,650	1	0	2	103	7,698	1	0	2	104	4,380	1	0	2	60
			T3M	7,052	1	0	2	95	7,573	1	0	2	102	7,620	1	0	2	103	4,335	1	0	2	59
			T4M	6,909	1	0	2	93	7,420	1	0	2	100	7,466	1	0	2	101	4,248	1	0	2	58
			TFTM	7,182	1	0	2	97	7,712	1	0	2	104	7,760	1	0	2	105	4,415	1	0	2	60
			T5M	7,562	3	0	1	102	8,120	3	0	1	110	8,171	3	0	1	110	4,648	3	0	1	63
			T5S	7,714	2	0	1	104	8,284	2	0	1	112	8,335	2	0	1	113	4,742	2	0	1	64
			T5A	7,255	3	0	2	98	7,790	3	0	2	105	7,839	3	0	2	106	4,460	3	0	2	62
			T5W	7,243	3	0	2	98	7,777	3	0	2	105	7,826	3	0	2	106	4,452	3	0	2	61
			ASYDF	6,421	1	0	2	87	6,895	2	0	2	93	6,938	1	0	2	94	3,947	1	0	2	54
			SYMDF	6,609	2	0	2	89	7,097	2	0	2	96	7,142	2	0	2	97	4,063	2	0	2	55

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXWPM LED 20C 1000** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.93	0.88

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	24 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

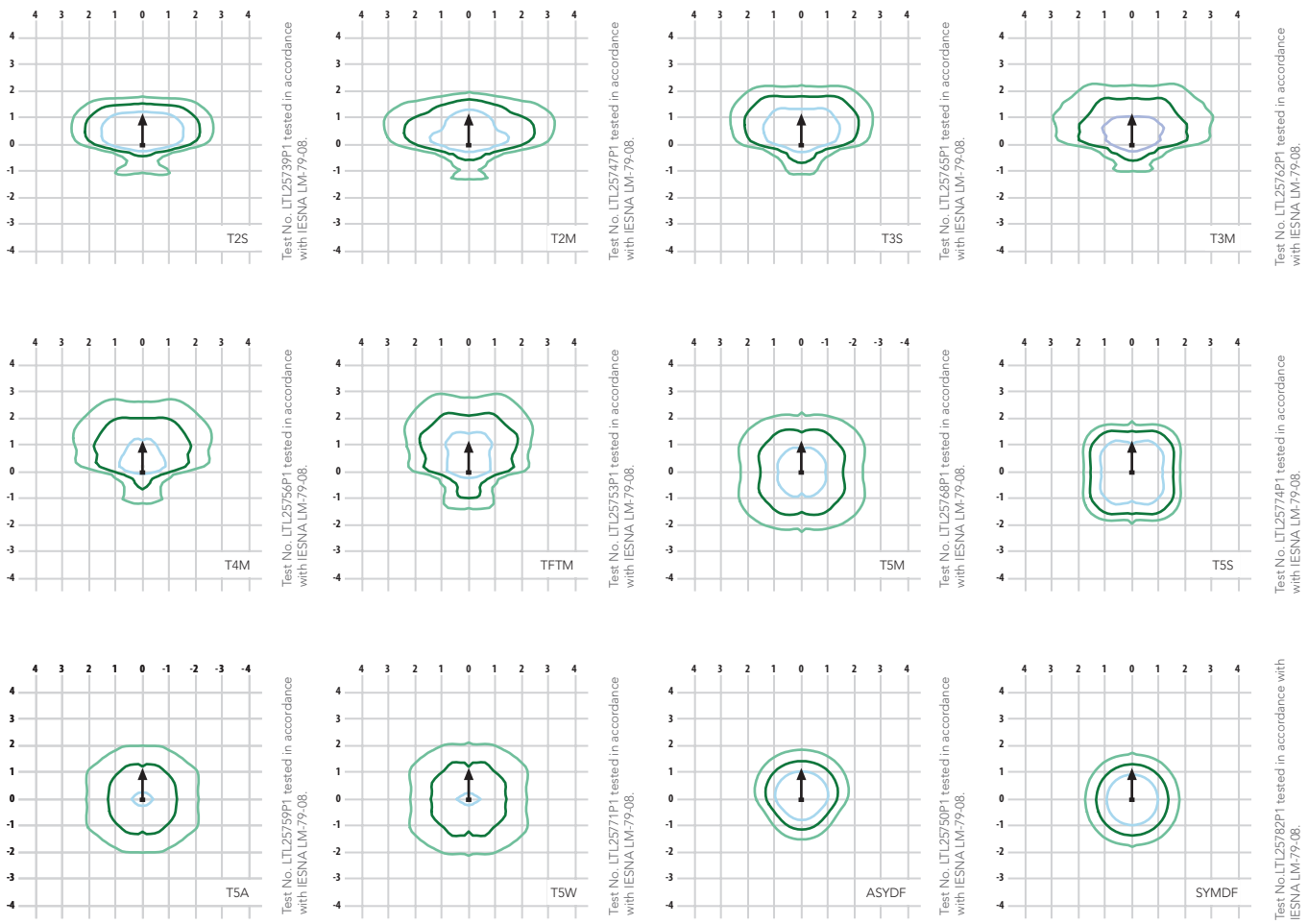
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Pole Mount homepage.

Isofootcandle plots for the DSXWPM LED 20C 1000 40K. Distances are in units of mounting height (20').

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



Options and Accessories

Mounting detail

ASYDF - Asymmetric diffuse (left engine is T3M, right engine is diffused)

HS - House-side shields

BSW - Bird-deterrent spikes

WG - Wire guard

VG - Vandal guard

DDL - Diffused drop lens

FEATURES & SPECIFICATIONS

INTENDED USE
The energy savings, long life and easy-to-install design of the D-Series Pole Mount make it the smart choice for area and site illumination for nearly any facility.

CONSTRUCTION
Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to area lighting applications. Light engines are available in 3000K, 4000K or 5000K with 70 min. CRI configurations.

ELECTRICAL
Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 6KV surge rating. The luminaire meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION
Includes universal mounting plate, which utilizes existing drill patterns and allows for quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles.

LISTINGS
CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY
Five-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	EQUIPMENT AND WIRING
	GROUNDING CONDUCTOR
	DEDICATED CONDUIT HOMERUN TO PANEL & CIRCUIT NUMBERS AS INDICATED ON PLANS
	RACEWAY CONCEALED IN WALL OR CEILING
	RACEWAY CONCEALED UNDERGROUND
	MARKS INDICATE NUMBER OF #12 AWG UNLESS NOTED OTHERWISE
	EXISTING PANELBOARD TO BE RETAINED
M	METER
	GROUNDING SYSTEM PER CODE
HH	POWER HANDHOLE (SIZE PER CODE UNLESS NOTED OTHERWISE)
	DISCONNECT SWITCH
J	JUNCTION BOX (SIZE PER CODE)
	ELECTRICAL PEDESTAL
	FIELD LIGHTING POLE AND FIXTURES WITH AREA LIGHTS
	MISCELLANEOUS
1	CONSTRUCTION NOTES
W	W INDICATES WEATHERPROOF FOR ALL DEVICES
S	ALL DEVICES WITH LIGHT LINE WEIGHT INDICATES EXISTING TO BE RETAINED
	RECEPTACLES
	DUPLEX RECEPTACLE
G	DUPLEX RECEPTACLE (G INDICATES GROUND FAULT INTERRUPTER)
	FOURPLEX RECEPTACLE

FIELD LIGHTING FIXTURE SCHEDULE

SYMBOL & POLE DESIGNATION	DESCRIPTION	HEADS	VOLTS / WATTS	MOUNTING & REMARKS
(1) A1	FIELD LIGHTING FIXTURE AND POLE #1	(7) LED (2)		70'-0" POLE HEIGHT. (7) LUMINARIES FOR FIELD LIGHTING. COORDINATE EXACT LIGHT FIXTURE HEADS MOUNTING WITH POLE SUPPLIER AND G.C. PRIOR TO INSTALLATION.
(1) A2	FIELD LIGHTING FIXTURE AND POLE #2	(7) LED (2)		70'-0" POLE HEIGHT. (7) LUMINARIES FOR FIELD LIGHTING. COORDINATE EXACT LIGHT FIXTURE HEADS MOUNTING WITH POLE SUPPLIER AND G.C. PRIOR TO INSTALLATION.
(1) A3	FIELD LIGHTING FIXTURE AND POLE #3	(6) LED (2)		70'-0" POLE HEIGHT. (6) LUMINARIES FOR FIELD LIGHTING. COORDINATE EXACT LIGHT FIXTURE HEADS MOUNTING WITH POLE SUPPLIER AND G.C. PRIOR TO INSTALLATION.
(1) A4	FIELD LIGHTING FIXTURE AND POLE #4	(6) LED (2)		70'-0" POLE HEIGHT. (6) LUMINARIES FOR FIELD LIGHTING. COORDINATE EXACT LIGHT FIXTURE HEADS MOUNTING WITH POLE SUPPLIER AND G.C. PRIOR TO INSTALLATION.
(1) B1	FIELD LIGHTING FIXTURE AND POLE #5	(11) LED (2)		80'-0" POLE HEIGHT. (11) LUMINARIES FOR FIELD LIGHTING. COORDINATE EXACT LIGHT FIXTURE HEADS MOUNTING WITH POLE SUPPLIER AND G.C. PRIOR TO INSTALLATION.
(1) B2	FIELD LIGHTING FIXTURE AND POLE #6	(11) LED (2)		80'-0" POLE HEIGHT. (11) LUMINARIES FOR FIELD LIGHTING. COORDINATE EXACT LIGHT FIXTURE HEADS MOUNTING WITH POLE SUPPLIER AND G.C. PRIOR TO INSTALLATION.
(1) B3	FIELD LIGHTING FIXTURE AND POLE #7	(9) LED (2)		80'-0" POLE HEIGHT. (9) LUMINARIES FOR FIELD LIGHTING. COORDINATE EXACT LIGHT FIXTURE HEADS MOUNTING WITH POLE SUPPLIER AND G.C. PRIOR TO INSTALLATION.
(1) B4	FIELD LIGHTING FIXTURE AND POLE #8	(9) LED (2)		90'-0" POLE HEIGHT. (9) LUMINARIES FOR FIELD LIGHTING. COORDINATE EXACT LIGHT FIXTURE HEADS MOUNTING WITH POLE SUPPLIER AND G.C. PRIOR TO INSTALLATION.

REQUIRED MINIMUM MAINTAINED LIGHTING LEVELS :

LITTLE LEAGUE BASEBALL -
INFIELD AVERAGE F.C. : 50.0 MIN.
OUTFIELD AVERAGE F.C. : 30.0 MIN.
MAXIMUM/MINIMUM : 2:1 MAX.

BABE RUTH BASEBALL -
INFIELD AVERAGE F.C.: 50.0 MIN.
OUTFIELD AVERAGE F.C.: 30.0 MIN.
MAXIMUM/MINIMUM: 2:1 MAX.

SOCCER -
AVERAGE F.C. : 30.0 MIN.
MAXIMUM/MINIMUM : 2:1 MAX.

CONSTRUCTION NOTES

(1) ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH FIELD LIGHT FIXTURE SUPPLIER PRIOR TO INSTALLATION.

(2) PROVIDE QUANTITY OF FIXTURE HEADS AND DRIVERS AS REQUIRED TO PROVIDE MINIMUM MAINTAINED AVERAGE LIGHTING LEVELS OVER ENTIRE DESIGNATED SURFACE.

LIGHTING FIXTURE SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	MANUFACTURER/MODEL #	LAMPS	V	W	MOUNTING & REMARKS
AL1	WALKWAY LIGHTING FIXTURE	LITHONIA LIGHTING # DSXWPMLED-20C-530-40K-T2M-MVOLT	LED (4,174 LM)	120/ 277	37	PROVIDE WITH POLE, MOUNT AT +12'
AL2	PARKING LOT LIGHT FIXTURE	LITHONIA LIGHTING # DSXWPMLED-20C-530-40K-T2M-MVOLT	LED (4,174 LM)	120/ 277	37	PROVIDE WITH POLE, MOUNT AT +15'
AL3	POLE MOUNTED STAIRWAY LIGHT FIXTURE	LITHONIA LIGHTING # DSXWPMLED-20C-350-40K-T2M-MVOLT	LED (2,886 LM)	120/ 277	24	PROVIDE WITH POLE, MOUNT AT +12'

GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL COMPLY TO ALL CITY OF SEATTLE DEPARTMENT OF TRANSPORTATION)SOT), SEATTLE ELECTRICAL CODE AND ANY ADDITIONAL REQUIREMENTS BY SEATTLE CITY LIGHT.
2. COORDINATE ALL TRENCHING WITH ALL OTHER UTILITIES.
3. ALL ROAD OR DRIVEWAY CROSSING CONDUITS MUST BE RIGID METALLIC CONDUIT OR PVC CONDUIT SCHEDULE 80. ALL OTHER CONDUIT MUST BE PVC SCHEDULE 40.
4. PROVIDE ELECTRICAL SUBMITTALS TO BE APPROVED BY THE ELECTRICAL ENGINEER AND SDOT ENGINEER PRIOR TO ORDERING.

BCE
bce engineers, inc.
p:(253) 922-0446
f: (253) 922-0896
6021 12th street east, suite 200, fife, wa 98424

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER BEFORE YOU DIG!
WWW.CALL811.COM
Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

NO.	REVISION – AS BUILT	DATE
3		
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REVIEWED: _____ PARK ENGINEER _____ DATE

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.

BCRA

Seattle Parks & Recreation

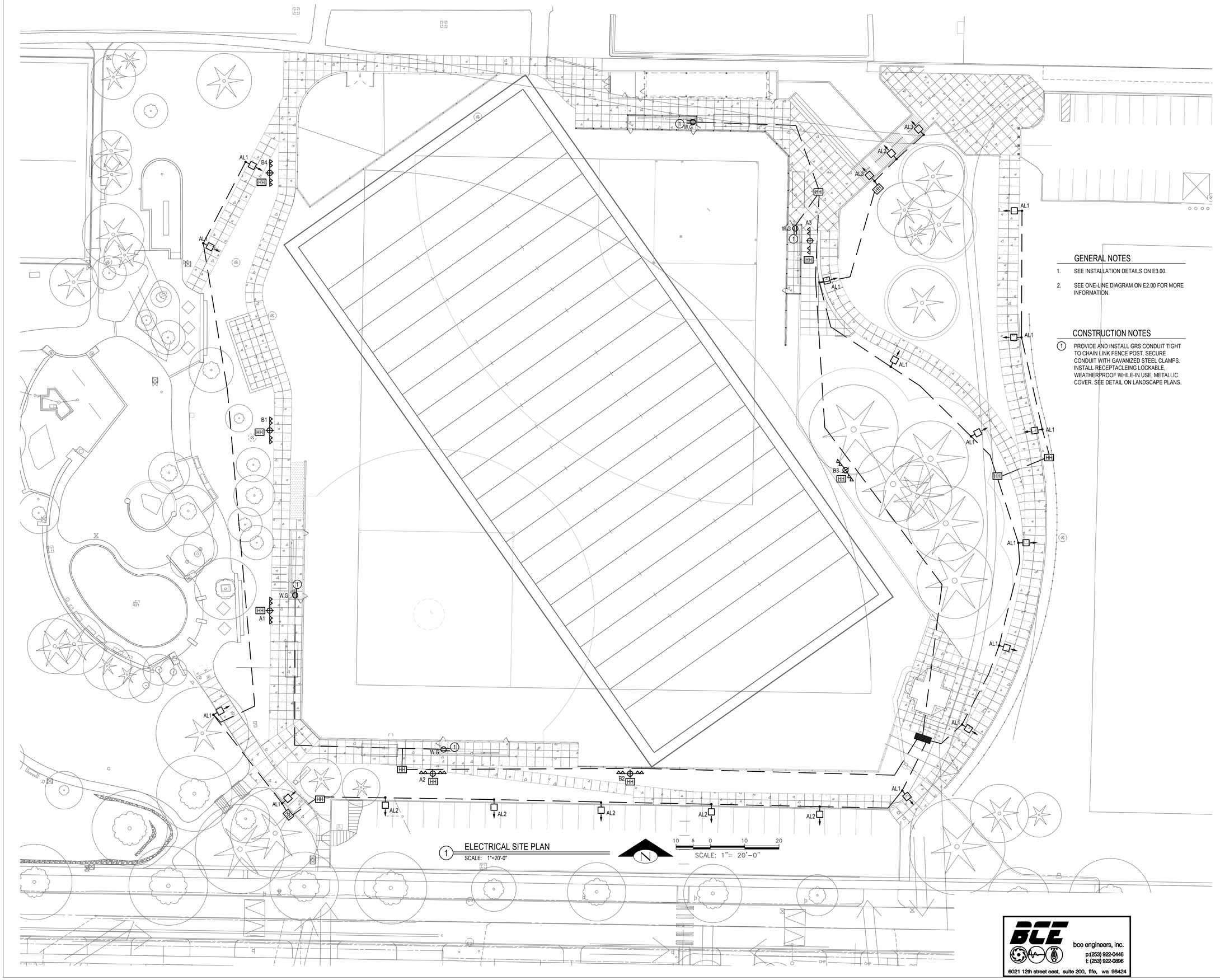
SOUNDVIEW PLAYFIELD

SYNTHETIC TURF REPLACEMENT

ELECTRICAL LEGEND & SCHEDULES

DESIGNED	BM	DATE	X
DRAWN	TT		
CHECKED	BM	SHEET	____ OF ____
ORDINANCE NO.	X		
CONTRACT NO.	X		
SCALE	X		

E0.01



1 ELECTRICAL SITE PLAN
SCALE: 1"=20'-0"

SCALE: 1"= 20'-0"

GENERAL NOTES

1. SEE INSTALLATION DETAILS ON E3.00.
2. SEE ONE-LINE DIAGRAM ON E2.00 FOR MORE INFORMATION.

CONSTRUCTION NOTES

1. PROVIDE AND INSTALL GRS CONDUIT TIGHT TO CHAIN LINK FENCE POST. SECURE CONDUIT WITH GAVANIZED STEEL CLAMPS. INSTALL RECEPTACLEING LOCKABLE, WEATHERPROOF WHILE-IN USE, METALLIC COVER. SEE DETAIL ON LANDSCAPE PLANS.

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NO.	REVISION – AS BUILT	DATE
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Seattle Parks & Recreation

SOUNDVIEW PLAYFIELD

SYNTHETIC TURF REPLACEMENT

ELECTRICAL SITE PLAN

DESIGNED BM	DATE X
DRAWN TT	
CHECKED BM	SHEET ___ OF ___
ORDINANCE NO. X	E1.00
CONTRACT NO. X	
SCALE X	

GENERAL NOTES

1. SEE ONE-LINE DIAGRAM ON E2.00 FOR INFORMATION.

CONSTRUCTION NOTES

(1) SEE ELECTRICAL PEDESTALL DETAIL ON E3.00.

(1) ENLARGED SITE PLAN
SCALE: 1"=10'-0"

N

10 5 0 10 20
SCALE: 1"= 10'-0"

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NO.	REVISION – AS BUILT	DATE
3		
2		
1		

REVIEWED:
PARK ENGINEER DATE

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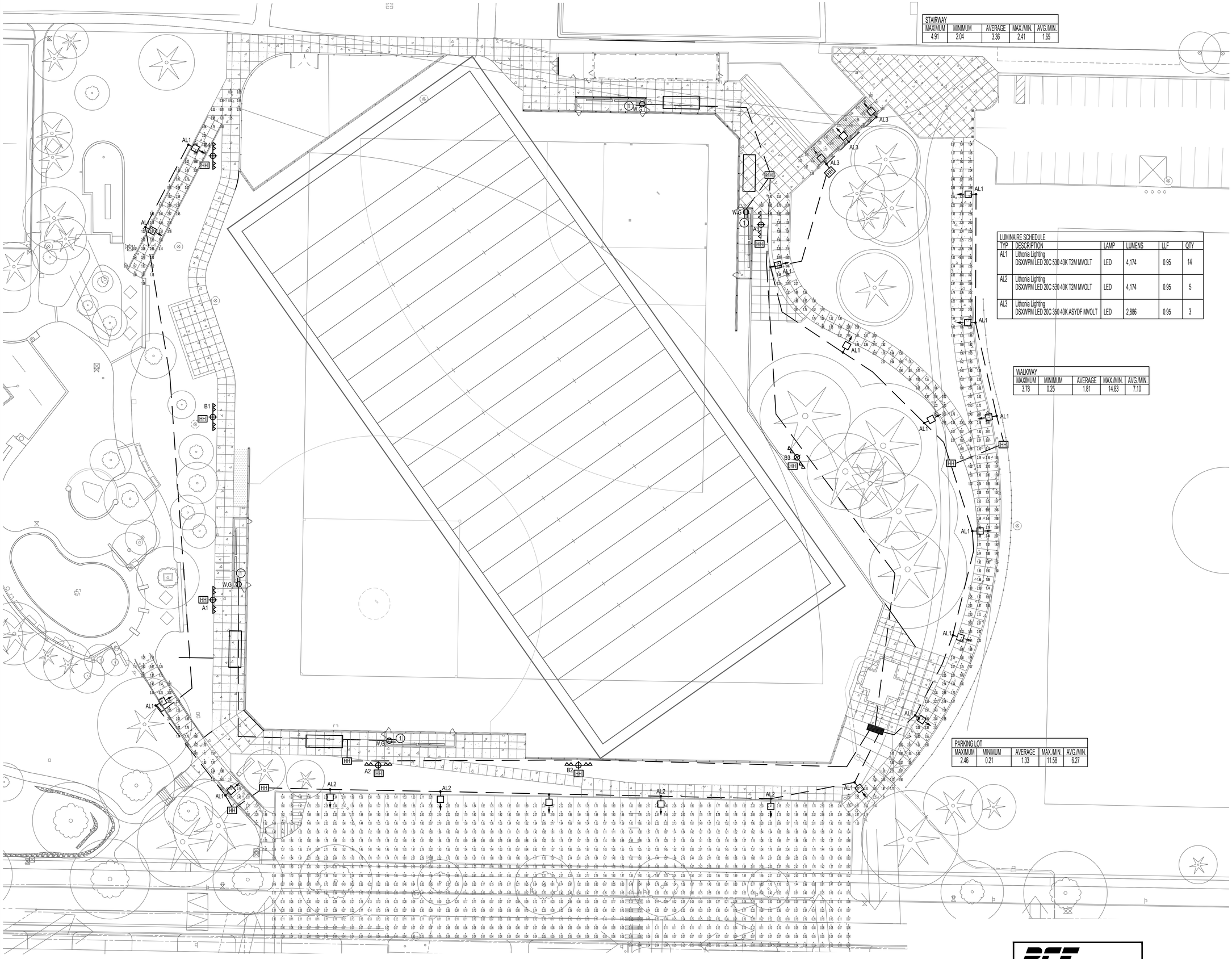
Seattle Parks & Recreation

SOUNDVIEW PLAYFIELD

SYNTHETIC TURF REPLACEMENT

ENLARGED SITE PLAN

DESIGNED BM	DATE X
DRAWN TT	
CHECKED BM	SHEET ____ OF ____
ORDINANCE NO. X	E1.01
CONTRACT NO. X	
SCALE X	



STAIRWAY				
MAXIMUM	MINIMUM	AVERAGE	MAX./MIN.	AVG./MIN.
4.91	2.04	3.36	2.41	1.65

LUMINAIRE SCHEDULE					
TYP	DESCRIPTION	LAMP	LUMENS	LLF	QTY
AL1	Lithonia Lighting DSXWPM LED 20C 530 40K T2M MVOLT	LED	4,174	0.95	14
AL2	Lithonia Lighting DSXWPM LED 20C 530 40K T2M MVOLT	LED	4,174	0.95	5
AL3	Lithonia Lighting DSXWPM LED 20C 390 40K ASYDF MVOLT	LED	2,866	0.95	3

WALKWAY				
MAXIMUM	MINIMUM	AVERAGE	MAX./MIN.	AVG./MIN.
3.78	0.25	1.81	14.83	7.10

PARKING LOT				
MAXIMUM	MINIMUM	AVERAGE	MAX./MIN.	AVG./MIN.
2.46	0.21	1.33	11.58	6.27

1 LIGHTING CALCULATIONS
SCALE: 1"=20'-0"

10 5 0 10 20
SCALE: 1"= 20'-0"

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NO.	REVISION – AS BUILT	DATE
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SOUNDVIEW PLAYFIELD

SYNTHETIC TURF REPLACEMENT

LIGHTING CALCULATIONS

DESIGNED	BM	DATE	X
DRAWN	TT	SHEET	____ OF ____
CHECKED	BM		
ORDINANCE NO.	X	**E1.02**	
CONTRACT NO.	X		
SCALE	X		

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	EQUIPMENT AND WIRING
	GROUNDING CONDUCTOR
	DEDICATED CONDUIT HOMERUN TO PANEL & CIRCUIT NUMBERS AS INDICATED ON PLANS
	RACEWAY CONCEALED IN WALL OR CEILING
	RACEWAY CONCEALED UNDERGROUND
	MARKS INDICATE NUMBER OF #12 AWG UNLESS NOTED OTHERWISE
	EXISTING PANELBOARD TO BE RETAINED
M	METER
	GROUNDING SYSTEM PER CODE
HH	POWER HANDHOLE (SIZE PER CODE UNLESS NOTED OTHERWISE)
	DISCONNECT SWITCH
J	JUNCTION BOX (SIZE PER CODE)
	ELECTRICAL PEDESTAL
	FIELD LIGHTING POLE AND FIXTURES WITH AREA LIGHTS
	MISCELLANEOUS
1	CONSTRUCTION NOTES
W	W INDICATES WEATHERPROOF FOR ALL DEVICES
S	ALL DEVICES WITH LIGHT LINE WEIGHT INDICATES EXISTING TO BE RETAINED
	RECEPTACLES
	DUPLEX RECEPTACLE
G	DUPLEX RECEPTACLE (G INDICATES GROUND FAULT INTERRUPTER)
	FOURPLEX RECEPTACLE

FIELD LIGHTING FIXTURE SCHEDULE

SYMBOL & POLE DESIGNATION	DESCRIPTION	HEADS	VOLTS / WATTS	MOUNTING & REMARKS
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LITTLE LEAGUE BASEBALL -
INFIELD AVERAGE F.C. : 50.0 MIN.
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BABE RUTH BASEBALL -
INFIELD AVERAGE F.C.: 50.0 MIN.
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SOCCER -
AVERAGE F.C. : 30.0 MIN.
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CONSTRUCTION NOTES

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LIGHTING FIXTURE SCHEDULE

SYMBOL	FIXTURE DESCRIPTION	MANUFACTURER/MODEL #	LAMPS	V	W	MOUNTING & REMARKS
AL1	WALKWAY LIGHTING FIXTURE	LITHONIA LIGHTING # DSXWPMLED-20C-530-40K-T2M-MVOLT	LED (4,174 LM)	120/ 277	37	PROVIDE WITH POLE, MOUNT AT +12'
AL2	PARKING LOT LIGHT FIXTURE	LITHONIA LIGHTING # DSXWPMLED-20C-530-40K-T2M-MVOLT	LED (4,174 LM)	120/ 277	37	PROVIDE WITH POLE, MOUNT AT +15'
AL3	POLE MOUNTED STAIRWAY LIGHT FIXTURE	LITHONIA LIGHTING # DSXWPMLED-20C-350-40K-T2M-MVOLT	LED (2,886 LM)	120/ 277	24	PROVIDE WITH POLE, MOUNT AT +12'

GENERAL NOTES

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4. PROVIDE ELECTRICAL SUBMITTALS TO BE APPROVED BY THE ELECTRICAL ENGINEER AND SDOT ENGINEER PRIOR TO ORDERING.

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NO.	REVISION – AS BUILT	DATE
3		
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REVIEWED: _____ PARK ENGINEER _____ DATE

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BCRA

Seattle Parks & Recreation

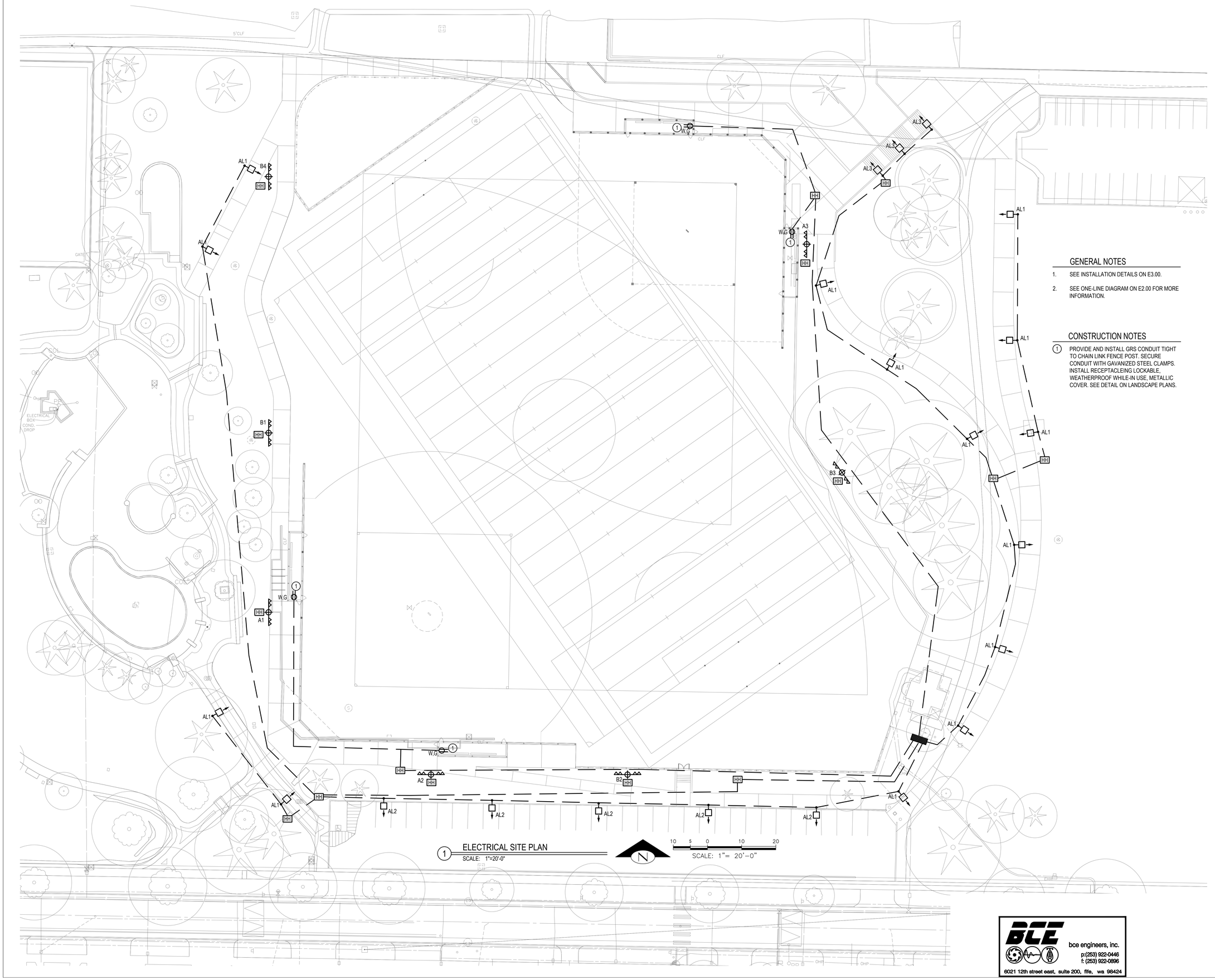
SOUNDVIEW PLAYFIELD

SYNTHETIC TURF REPLACEMENT

ELECTRICAL LEGEND & SCHEDULES

DESIGNED	BM	DATE	X
DRAWN	TT		
CHECKED	BM	SHEET	____ OF ____
ORDINANCE NO.	X		
CONTRACT NO.	X		
SCALE	X		

E0.01



GENERAL NOTES

1. SEE INSTALLATION DETAILS ON E3.00.
2. SEE ONE-LINE DIAGRAM ON E2.00 FOR MORE INFORMATION.

CONSTRUCTION NOTES

(1) PROVIDE AND INSTALL GRS CONDUIT TIGHT TO CHAIN LINK FENCE POST. SECURE CONDUIT WITH GAVANIZED STEEL CLAMPS. INSTALL RECEPTACLEING LOCKABLE, WEATHERPROOF WHILE-IN USE, METALLIC COVER. SEE DETAIL ON LANDSCAPE PLANS.

(1) ELECTRICAL SITE PLAN
SCALE: 1"=20'-0"

N

10 5 0 10 20
SCALE: 1"= 20'-0"

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REVIEWED: _____ _____
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SOUNDVIEW PLAYFIELD

SYNTHETIC TURF REPLACEMENT

ELECTRICAL SITE PLAN

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DESIGNED	BM	DATE	X
DRAWN	TT		
CHECKED	BM	SHEET ___ OF ___	
ORDINANCE NO.	X	E1.00	
CONTRACT NO.	X		
SCALE	X		

GENERAL NOTES

1. SEE ONE-LINE DIAGRAM ON E2.00 FOR INFORMATION.

CONSTRUCTION NOTES

(1) SEE ELECTRICAL PEDESTALL DETAIL ON E3.00.

(1) ENLARGED SITE PLAN
SCALE: 1"=10'-0"

N

10 5 0 10 20
SCALE: 1"= 10'-0"

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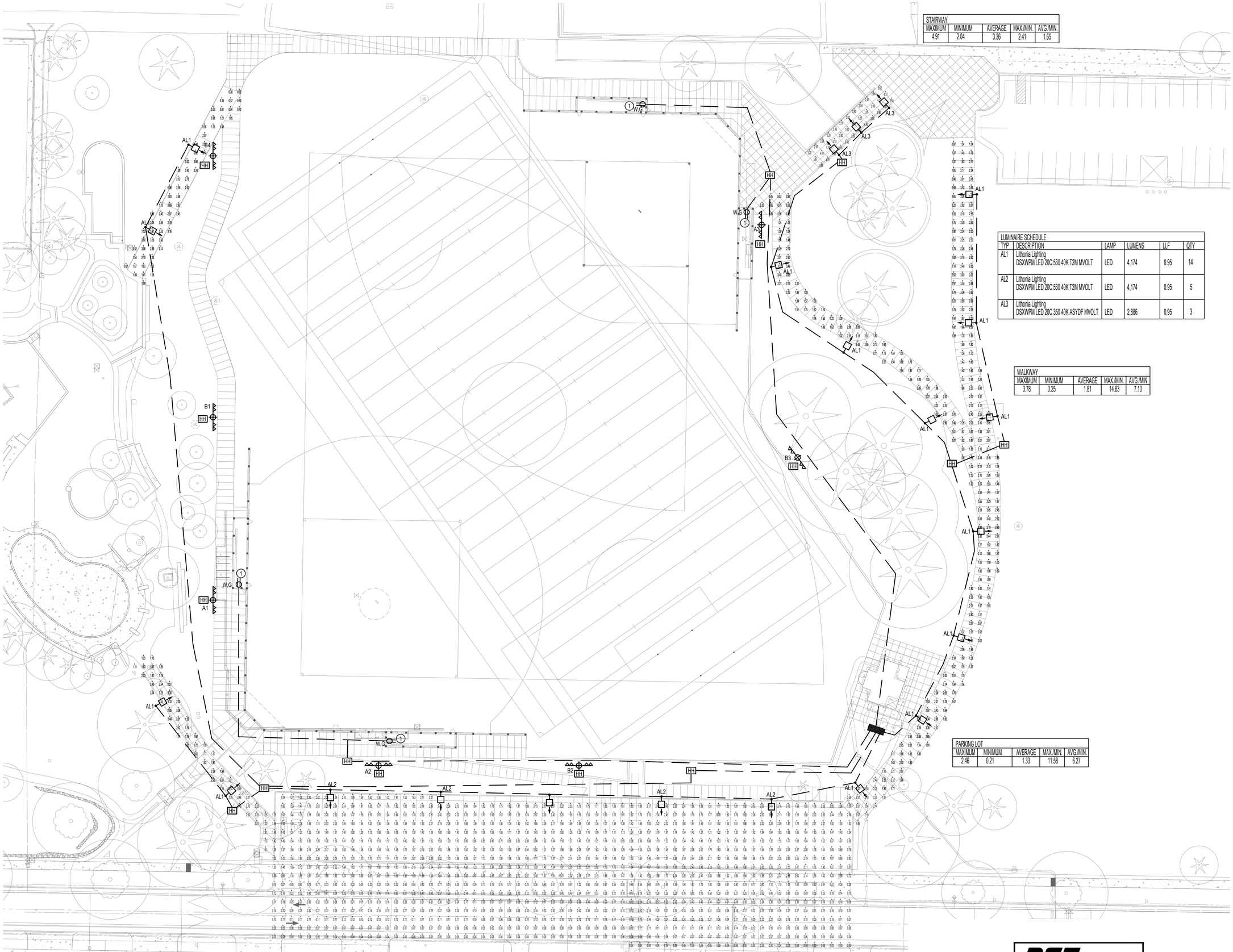
Seattle Parks & Recreation

SOUNDVIEW PLAYFIELD

SYNTHETIC TURF REPLACEMENT

ENLARGED SITE PLAN

DESIGNED BM	DATE X
DRAWN TT	
CHECKED BM	SHEET ____ OF ____
ORDINANCE NO. X	E1.01
CONTRACT NO. X	
SCALE X	



STAIRWAY				
MAXIMUM	MINIMUM	AVERAGE	MAX./MIN.	AVG./MIN.
4.91	2.04	3.36	2.41	1.65

LUMINAIRE SCHEDULE					
TYP	DESCRIPTION	LAMP	LUMENS	LLF	QTY
AL1	Lithonia Lighting DSXWPM LED 20C 530 40K T2M MVOLT	LED	4,174	0.95	14
AL2	Lithonia Lighting DSXWPM LED 20C 530 40K T2M MVOLT	LED	4,174	0.95	5
AL3	Lithonia Lighting DSXWPM LED 20C 350 40K ASYDF MVOLT	LED	2,886	0.95	3

WALKWAY				
MAXIMUM	MINIMUM	AVERAGE	MAX./MIN.	AVG./MIN.
3.78	0.25	1.81	14.83	7.10

PARKING LOT				
MAXIMUM	MINIMUM	AVERAGE	MAX./MIN.	AVG./MIN.
2.46	0.21	1.33	11.58	6.27

1 LIGHTING CALCULATIONS
SCALE: 1"=20'-0"

N

10 5 0 10 20
SCALE: 1"= 20'-0"

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NO.	REVISION – AS BUILT	DATE
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REVIEWED: _____ PARK ENGINEER _____ DATE

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SOUNDVIEW PLAYFIELD

SYNTHETIC TURF REPLACEMENT

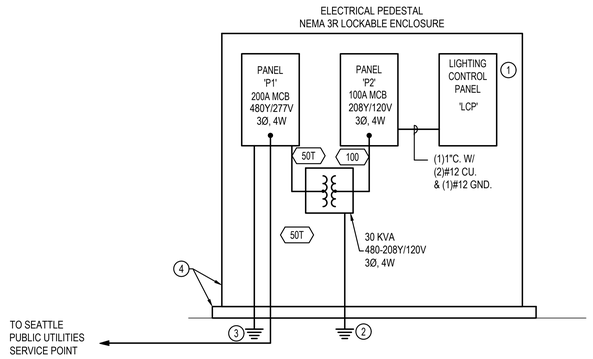
LIGHTING CALCULATIONS

DESIGNED BM	DATE X
DRAWN TT	SHEET ____ OF ____
CHECKED BM	
ORDINANCE NO. X	E1.02
CONTRACT NO. X	
SCALE X	

FEEDER LEGEND				
AMPS SYMBOL	NUMBER OF RUNS	CONDUIT SIZE	NUMBER OF WIRES	CONDUCTOR SIZE - AWG
50T	(1)	1"	(3)	COPPER: #6
			(1)	GRD: #10
100	(1)	2"	(4)	COPPER: #1
			(1)	GRD: #8
200	(1)	2-1/2"	(4)	COPPER: #3/0
			(1)	GRD: #4
	(1)	2-1/2"	SPARE	

CONSTRUCTION NOTES

1. EQUIPMENT PROVIDED BY FIELD LIGHTING SUPPLIER, INSTALLED BY CONTRACTOR.
2. PROVIDE #6 GROUNDING WIRE.
3. PROVIDE #4 GROUNDING WIRE AND PROVIDE 3/4"X10' GROUND ROD AT EACH CORNER OF ELECTRICAL PEDESTAL.
4. SEE ELECTRICAL PEDESTAL AND HOUSEKEEPING PAD DETAIL ON SHEET E3.00



ONE-LINE DIAGRAM

SCALE : N.T.S.

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SOUNDVIEW PLAYFIELD

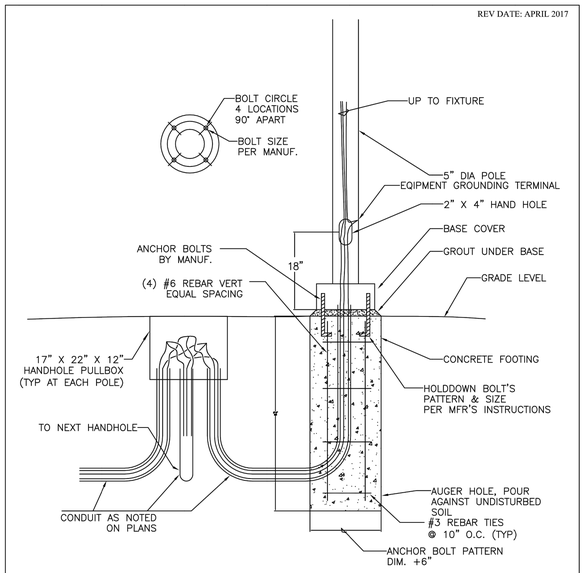
SYNTHETIC TURF REPLACEMENT

ELECTRICAL ONE LINE

DESIGNED BM
DRAWN TT
CHECKED BM
DATE X
SHEET ____ OF ____
ORDINANCE NO. X
CONTRACT NO. X
SCALE X

E2.00

REV DATE: APRIL 2017

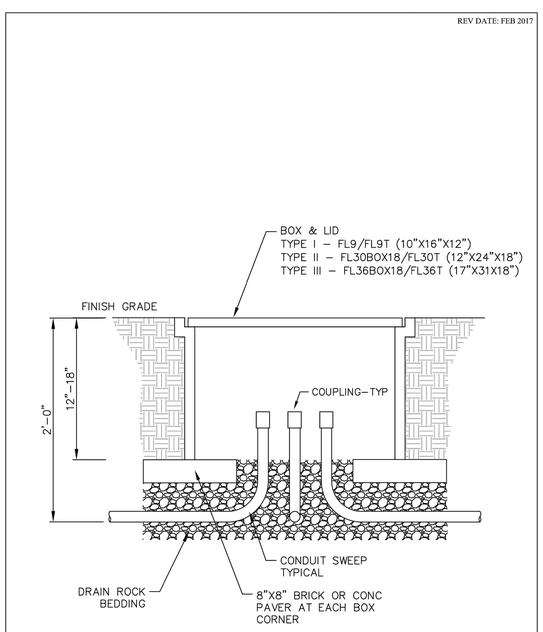


Seattle Parks & Recreation

POWER BOX

STD. DETAIL NO. 26 00 00

REV DATE: FEB 2017

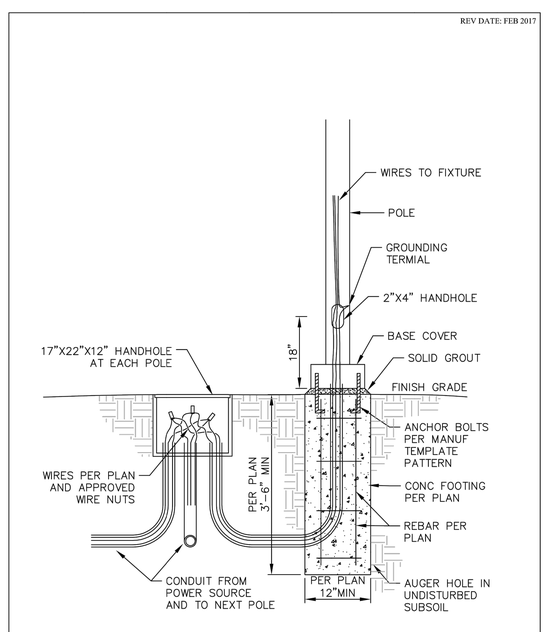


Seattle Parks & Recreation

ELECTRICAL HANDHOLE

STD. DETAIL NO. 26 05 33.13

REV DATE: FEB 2017

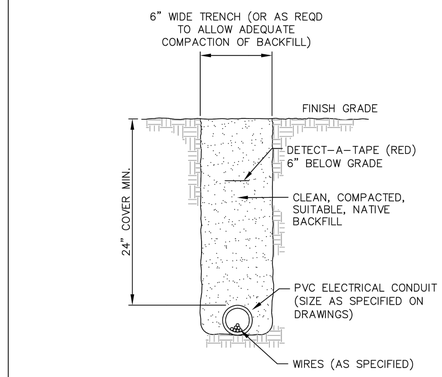


Seattle Parks & Recreation

FIELD LIGHTING HANDHOLE

STD. DETAIL NO. 26 05 33.16

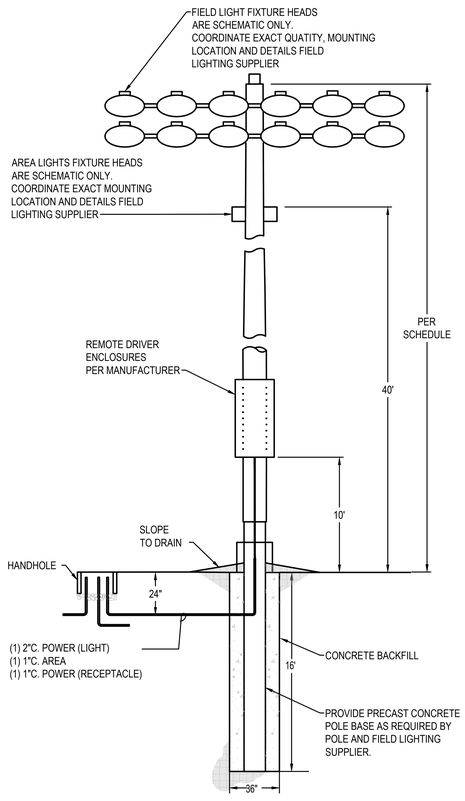
REV DATE: FEB 2017



Seattle Parks & Recreation

POWER SUPPLY CONDUIT

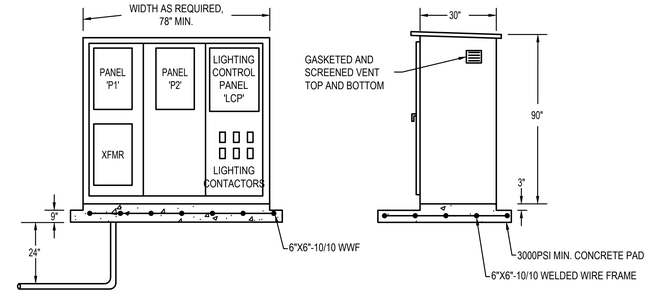
STD. DETAIL NO. 26 05 43.13



NOTE : COORDINATE ALL WORK WITH POLE SUPPLIER.

1 FLOOD LIGHT POLE DETAIL

SCALE: N.T.S.



2 ELECTRICAL PEDESTAL DETAIL

SCALE: N.T.S.

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
BEFORE YOU DIG!
WWW.CALL811.COM

Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

NO.	REVISION – AS BUILT	DATE
3		
2		
1		

REVIEWED:

PARK ENGINEER DATE

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.

BCRA

Seattle Parks & Recreation

SOUNDVIEW PLAYFIELD

SYNTHETIC TURF REPLACEMENT

ELECTRICAL DETAILS

DESIGNED BM
DRAWN TT
CHECKED BM
DATE X
SHEET ____ OF ____
ORDINANCE NO. X
CONTRACT NO. X
SCALE X

E3.00

BCE
bce engineers, inc.
p:(253) 922-0446
f: (253) 922-0896
6021 12th street east, suite 200, fife, wa 98424