

EQUIPMENT LIST FOR AREAS SHOWN									
POLE	LOCATION	SIZE	HEIGHT	WATTAGE	TYPE	FOOT COUNTS	FOOT COUNTS	FOOT COUNTS	FOOT COUNTS
1	2	3	4	5	6	7	8	9	10
1	B1	60"	60"	1500W	LED	8	8	8	8
2	B2	60"	60"	1500W	LED	8	8	8	8
TOTALS						23	23	23	23

ILLUMINATION SUMMARY

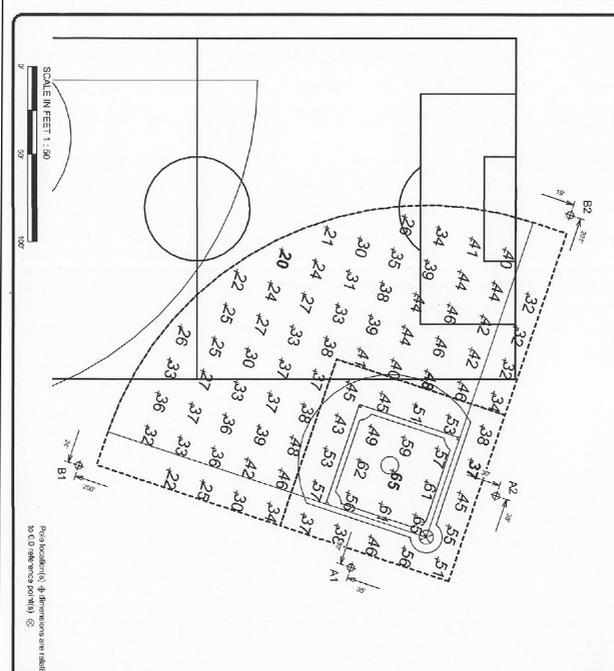
Baseball 2
 Miccosukee Park Field
 Tallahassee, FL

Baseball 2
 - Size: 190'10" x 90' - Baseball 60"
 - Grid Spacing: 20.0' x 20.0' grid
 - Value given at 3.0' above grade

- Luminaire Type: Green Generation
 - Rated Lamp Lm: 5,000 lm
 - Avg. Luminaire Util: 0.21

CONSTANT ILLUMINATION
HORIZONTAL FOOTCOUNDS

No. of Target Points:	25	51
Minimum:	55	34
Maximum:	65	48
Average:	1.40	1.77
UG (Adjusted):	1.77	2.44
UG (Adjusted) Tilt Factor:	0.17	0.21
Average Lamp Tilt Factor:	0.21	0.21
Number of Luminaires:	22	1,000
Avg. KW over 5,000:	22.41	37.4
Max. KW:	37.4	37.4



LIGHTING LEVEL CALCULATIONS
BASEBALL FIELD
 NTS

EQUIPMENT LIST FOR AREAS SHOWN									
POLE	LOCATION	SIZE	HEIGHT	WATTAGE	TYPE	FOOT COUNTS	FOOT COUNTS	FOOT COUNTS	FOOT COUNTS
1	2	3	4	5	6	7	8	9	10
1	A4	60"	60"	1500W	LED	4	4	4	4
2	B1	60"	60"	1500W	LED	8	8	8	8
TOTALS						22	22	22	22

ILLUMINATION SUMMARY

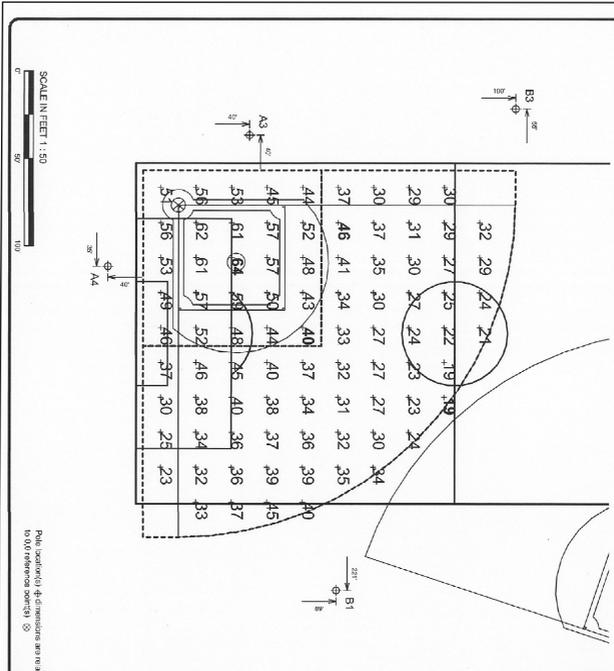
Baseball 1
 Miccosukee Park Field
 Tallahassee, FL

Baseball 1
 - Size: 190'10" x 90' - Baseball 60"
 - Grid Spacing: 20.0' x 20.0' grid
 - Value given at 3.0' above grade

- Luminaire Type: Green Generation
 - Rated Lamp Lm: 5,000 lm
 - Avg. Luminaire Util: 0.21

CONSTANT ILLUMINATION
HORIZONTAL FOOTCOUNDS

No. of Target Points:	25	51
Minimum:	64	46
Maximum:	80	1.98
Average:	1.88	2.43
UG (Adjusted):	1.22	2.43
UG (Adjusted) Tilt Factor:	0.18	0.21
Average Lamp Tilt Factor:	0.21	0.21
Number of Luminaires:	22	1,000
Avg. KW over 5,000:	22.41	37.4
Max. KW:	37.4	37.4



LIGHTING LEVEL CALCULATIONS
SOFTBALL FIELD
 NTS

EQUIPMENT LIST FOR AREAS SHOWN									
POLE	LOCATION	SIZE	HEIGHT	WATTAGE	TYPE	FOOT COUNTS	FOOT COUNTS	FOOT COUNTS	FOOT COUNTS
1	2	3	4	5	6	7	8	9	10
1	A1	60"	60"	1500W	LED	5	5	5	5
2	B1	60"	60"	1500W	LED	8	8	8	8
TOTALS						33	33	33	33

ILLUMINATION SUMMARY

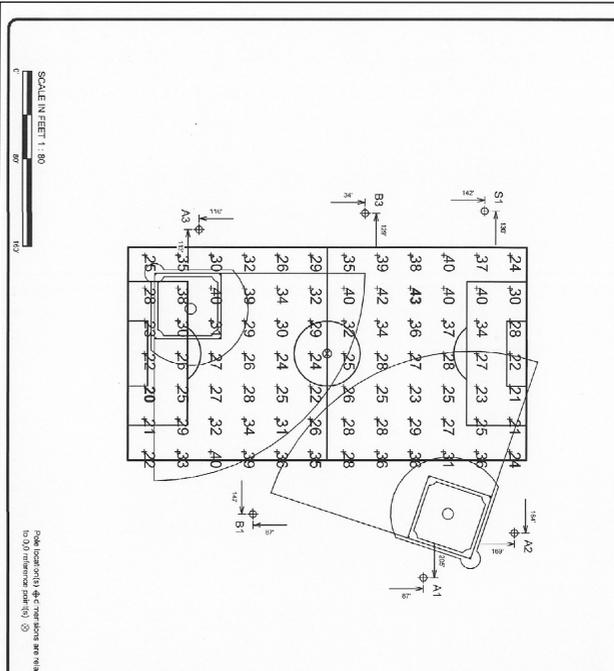
Soccer
 Miccosukee Park Field
 Tallahassee, FL

Soccer
 - Size: 360' x 185'
 - Grid Spacing: 30.0' x 30.0'
 - Value given at 3.0' above grade

- Luminaire Type: Green Generation
 - Rated Lamp Lm: 5,000 lm
 - Avg. Luminaire Util: 0.21

CONSTANT ILLUMINATION
HORIZONTAL FOOTCOUNDS

No. of Target Points:	34	64
Average:	30.1	44.1
Minimum:	20	30.1
Maximum:	2.11	30.1
UG (Adjusted):	1.44	30.1
UG (Adjusted) Tilt Factor:	1.28	30.1
Average Lamp Tilt Factor:	0.21	0.21
Number of Luminaires:	33	1,000
Avg. KW over 5,000:	51.6	37.4
Max. KW:	37.4	37.4



LIGHTING LEVEL CALCULATIONS
SOCCER FIELD
 NTS

CALCULATIONS ARE BASED ON INFORMATION PROVIDED BY MUSCO SPORTS LIGHTING

TPA Tallahassee Park Associates, Inc.
 Tallahassee, Florida 32309
 850.575.1800
 FBPR Certificate of Authorization No. 24

ATKINS
 2639 N. Monroe St. Building C
 Tallahassee, Florida 32303
 850.575.1800
 FBPR Certificate of Authorization No. 24

CLIENT
LEON COUNTY
PARKS & RECREATION
 2280 Miccosukee Road
 Tallahassee, FL 32308

PROJECT
MICCOSUKEE
COMMUNITY PARK
IMPROVEMENTS

TASK
LIGHTING LEVEL
CALCULATIONS

ORIGINAL May 21, 2013
 REVISIONS:
 1 _____
 2 _____
 3 _____
 4 _____
 5 _____

Signature _____ Date _____
 NOT VALID FOR CONSTRUCTION
 UNLESS SIGNED IN THIS BLOCK

JOB NO. _____
 DRAWN TAW
 DESIGNED TAW
 CHECKED _____
 QC _____
 SHEET **E-3**