



EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS	
2	A1-A2	70'	-	70'	1500W MZ	5	5	5	0
1	B1	80'	-	80'	1500W MZ	9	9	9	0
1	B2	90'	-	90'	1500W MZ	12	12	12	0
1	C1	80'	-	80'	1500W MZ	14	9	5	5
1	C2	70'	-	70'	1500W MZ	7	6	1	1
6	TOTALS					52	46	6	6

MY PROJECT	
Name:	DeSales High School Baseball Football
Location:	Louisville, KY

GRID SUMMARY	
Name:	Baseball
Size:	300'/350'/300' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

CONSTANT ILLUMINATION		
SUMMARY	HORIZONTAL FOOTCANDLES	
	Infield	Outfield
<b>Guaranteed Average:</b>	<b>50</b>	<b>30</b>
Scan Average:	52.68	37.70
Maximum:	63	53
Minimum:	43	22
Avg / Min:	1.24	1.72
<b>Max / Min:</b>	<b>1.48</b>	<b>2.41</b>
UG (adjacent pts):	1.27	1.53
CU:	0.65	
No. of Points:	25	84

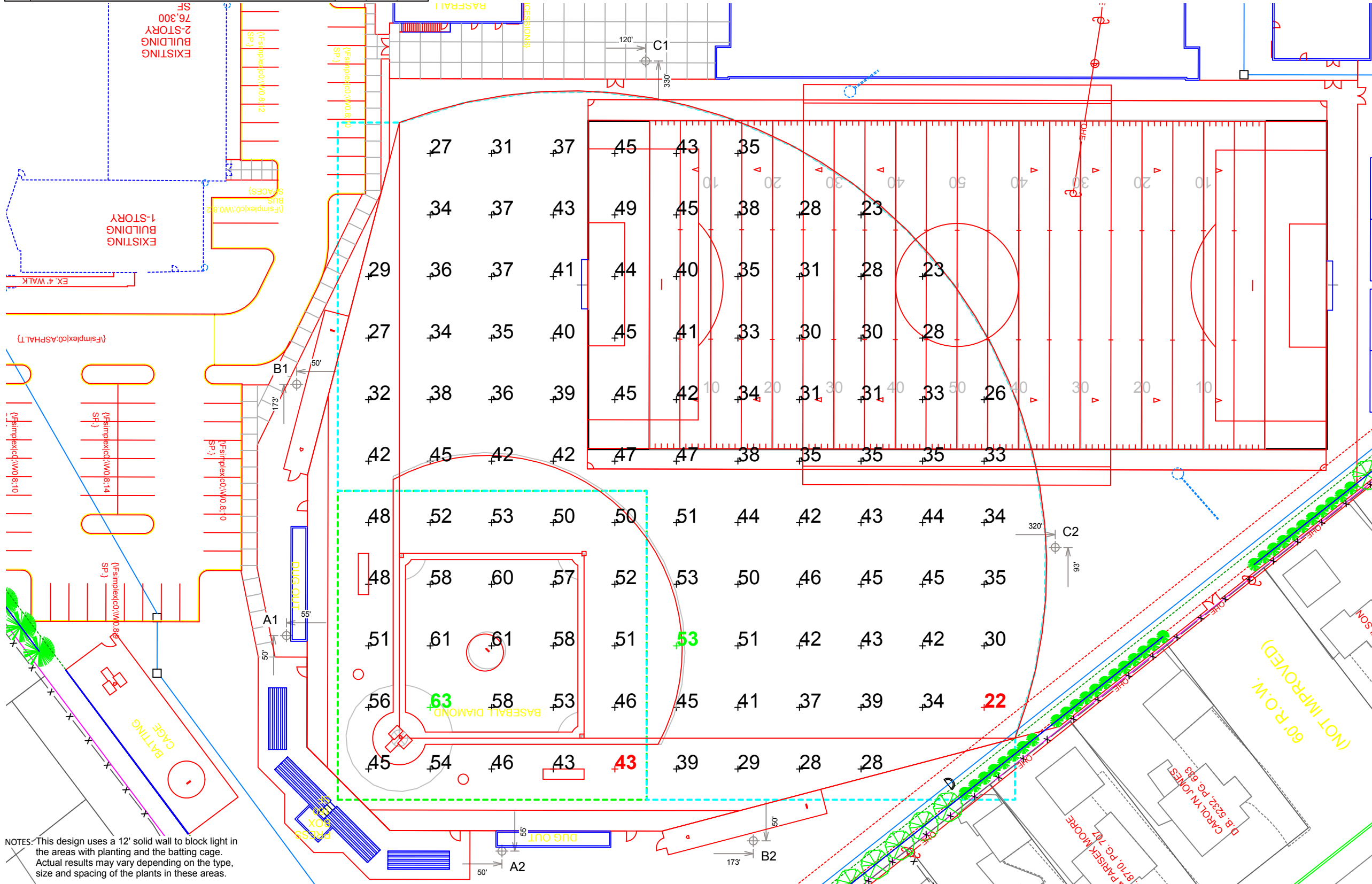
LUMINAIRE INFORMATION	
Luminaire Type:	Green Generation
Design Usage Hours:	5,000 hours
Design Lumens:	134,000
Avg Lamp Tilt Factor:	1.000
No. of Luminaires:	46
Avg KW:	71.94 (78.2 max)

**Guaranteed Performance:** The Guaranteed Average CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

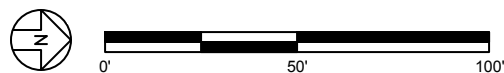
**Field Measurements:** Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

**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 ballast and structures located within 3 feet (1m) of design locations.



NOTES: This design uses a 12" solid wall to block light in the areas with planting and the batting cage. Actual results may vary depending on the type, size and spacing of the plants in these areas.



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

ENGINEERED DESIGN		
By:	Cory Kitzman	
File # / Date:	172477BA	24-Apr-15

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### ILLUMINATION SUMMARY



EQUIPMENT LIST FOR AREAS SHOWN								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	B2	90'	-	90'	1500W MZ	12	12	0
1	C1	80'	-	80'	1500W MZ	14	14	0
1	C2	70'	-	70'	1500W MZ	7	7	0
1	F1	80'	-	80'	1500W MZ	11	11	0
1	F2	70'	-	70'	1500W MZ	8	8	0
5	TOTALS					52	52	0

MY PROJECT	
Name:	DeSales High School Baseball Football
Location:	Louisville, KY

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

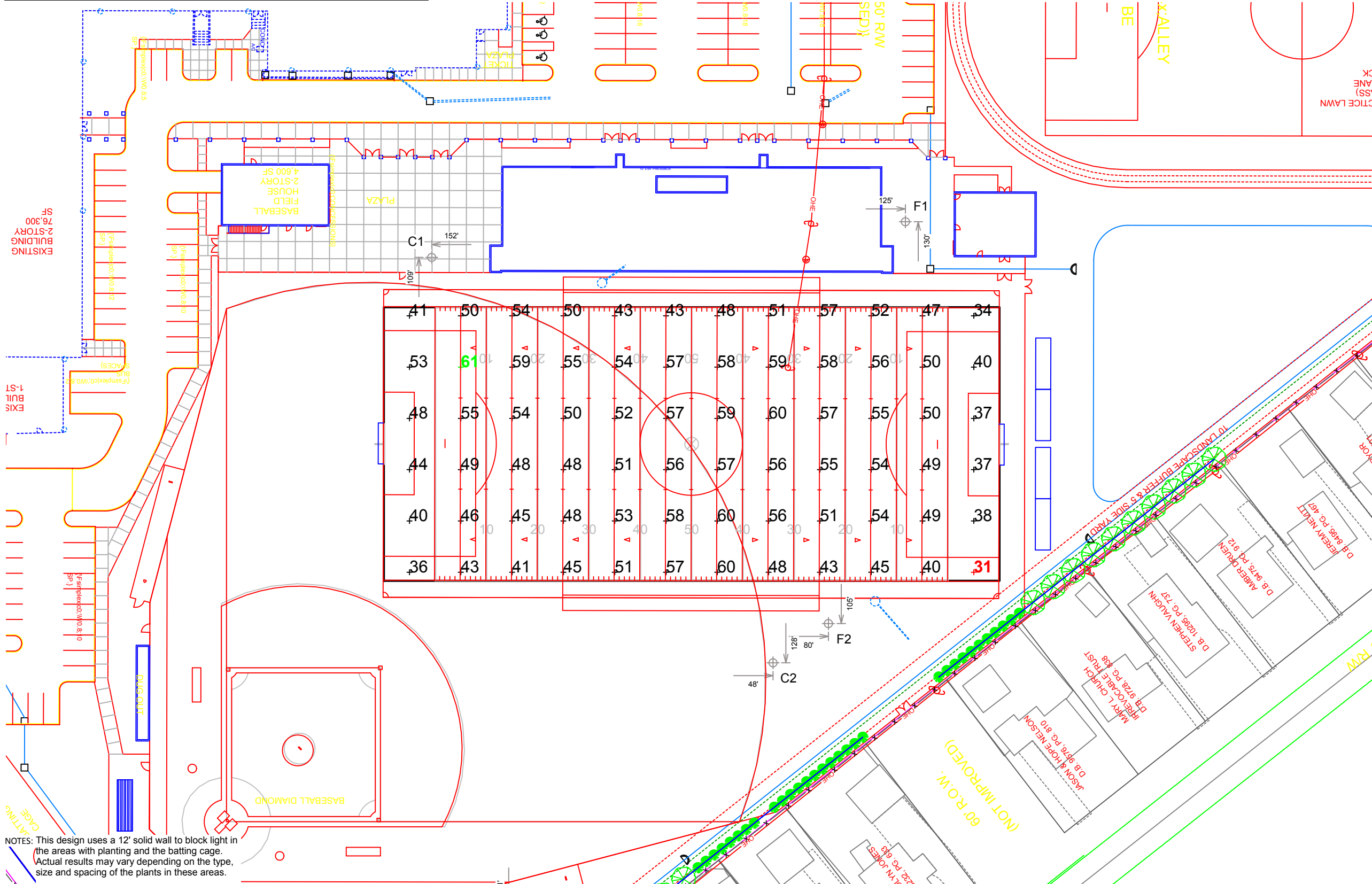
CONSTANT ILLUMINATION	
SUMMARY	HORIZONTAL FOOTCANDLES
	Entire Grid
<b>Guaranteed Average:</b>	<b>50</b>
Scan Average:	50.11
Maximum:	61
Minimum:	31
Avg / Min:	1.62
<b>Max / Min:</b>	<b>1.96</b>
UG (adjacent pts):	1.39
CU:	0.47
No. of Points:	72
LUMINAIRE INFORMATION	
Luminaire Type:	Green Generation
Design Usage Hours:	5,000 hours
Design Lumens:	134,000
Avg Lamp Tilt Factor:	1.000
No. of Luminaires:	52
Avg KW:	81.33 (88.4 max)

**Guaranteed Performance:** The Guaranteed Average CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

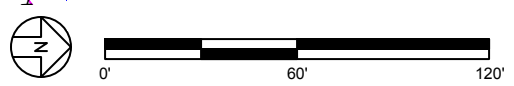
**Field Measurements:** Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

**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 ballast and structures located within 3 feet (1m) of design locations.



NOTES: This design uses a 12' solid wall to block light in the areas with planting and the batting cage. Actual results may vary depending on the type, size and spacing of the plants in these areas.



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

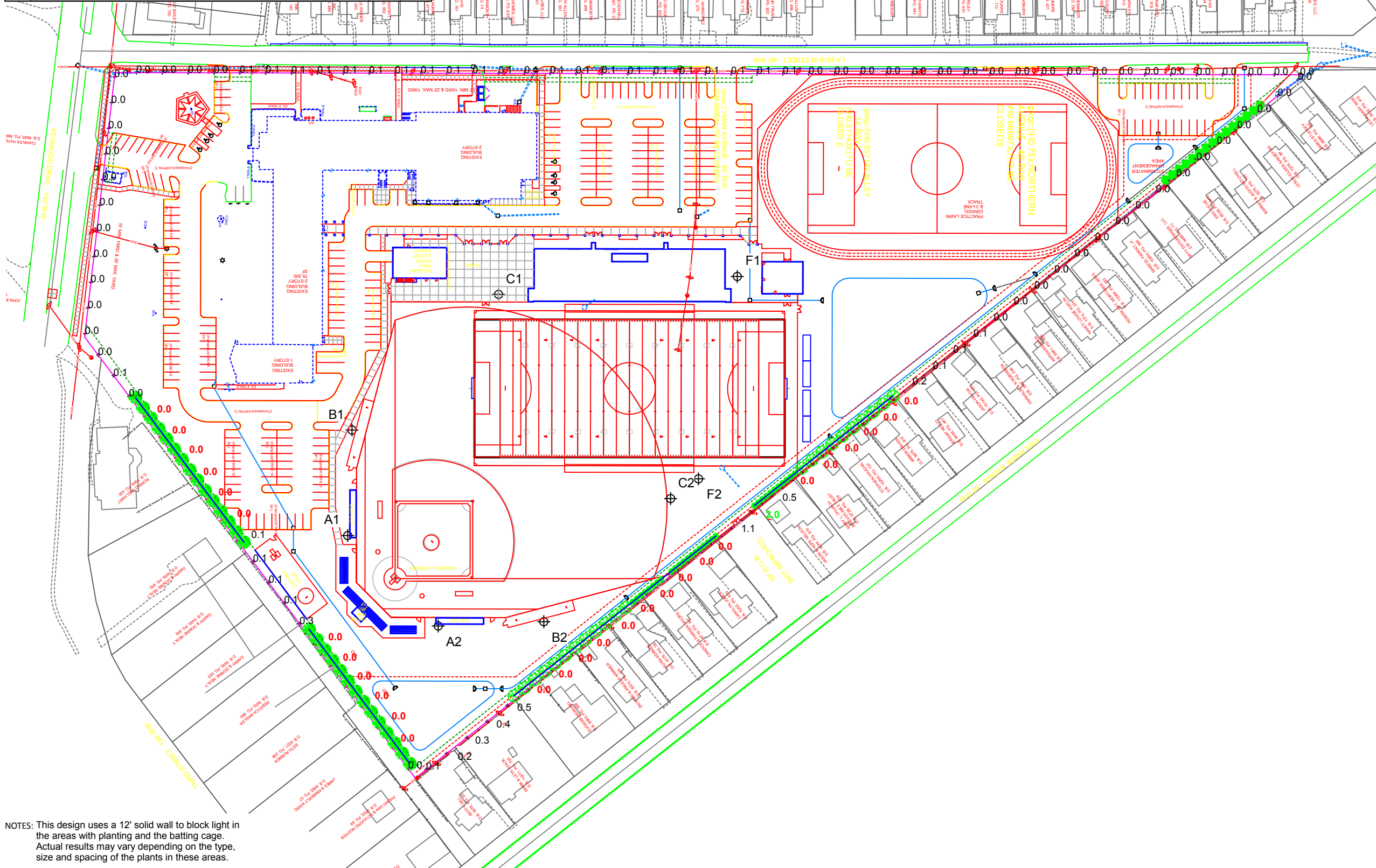
ENGINEERED DESIGN		
By:	Cory Kitzman	
File # / Date:	172477BA	24-Apr-15

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EQUIPMENT LIST FOR AREAS SHOWN								
Pole			Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	
2	A1-A2	70'	-	70'	1500W MZ	5	5	
1	B1	80'	-	80'	1500W MZ	9	9	
1	B2	90'	-	90'	1500W MZ	12	12	
1	C1	80'	-	80'	1500W MZ	14	14	
1	C2	70'	-	70'	1500W MZ	7	7	
1	F1	80'	-	80'	1500W MZ	11	11	
1	F2	70'	-	70'	1500W MZ	8	8	
8	TOTALS					71	71	0



NOTES: This design uses a 12" solid wall to block light in the areas with planting and the batting cage. Actual results may vary depending on the type, size and spacing of the plants in these areas.



MY PROJECT	
Name:	DeSales High School Baseball Football
Location:	Louisville, KY

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

CONSTANT ILLUMINATION	
SUMMARY	HORIZONTAL FOOTCANDLES
Entire Grid	
Scan Average:	0.0809
Maximum:	2.04
Minimum:	0.00
No. of Points:	122
LUMINAIRE INFORMATION	
Luminaire Type:	Green Generation
Design Usage Hours:	5,000 hours
Design Lumens:	134,000
Avg Lamp Tilt Factor:	1.000
No. of Luminaires:	71
Avg KW:	111.04 (120.7 max)

**Guaranteed Performance:** The CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

**Field Measurements:** Illumination measured in accordance with IESNA LM-5-04 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

**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 ballast and structures located within 3 feet (1m) of design locations.

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