



Pole / Fixture Summary

Pole ID	Pole Height	Fixture Qty	Lamp Type	Circuit
A1	60'	3	1500W MZ	A
		2	1500W MZ	B
A2	60'	3	1500W MZ	A
A3	60'	2	1500W MZ	B
A4	60'	4	1500W MZ	C
A5	60'	4	1500W MZ	C
B1	60'	4	1500W MZ	A
B2	60'	4	1500W MZ	A
B3	60'	3	1500W MZ	B
B4	60'	3	1500W MZ	B
C1	60'	3	1500W MZ	A
C2	60'	3	1500W MZ	A
11		38		

MY PROJECT

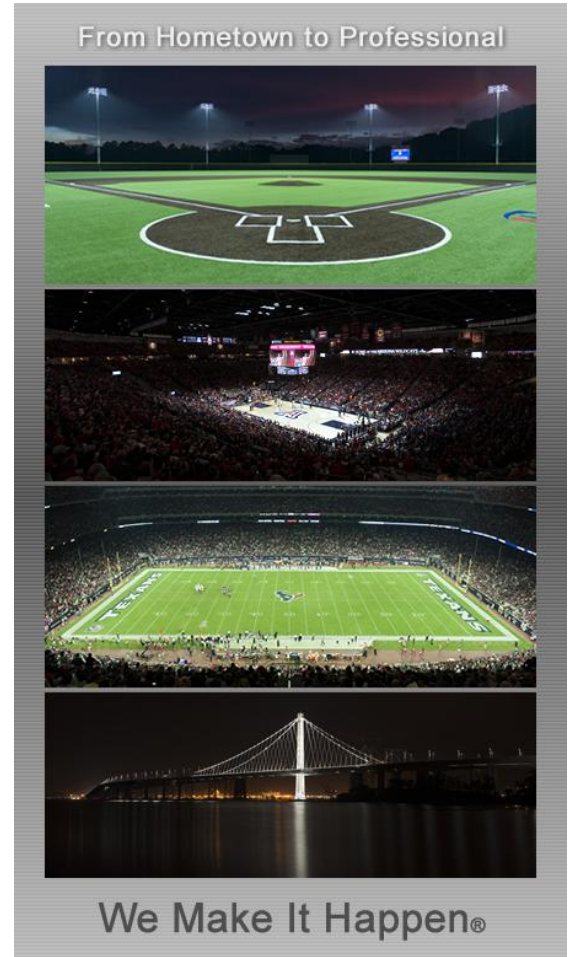
Name: Ashley Park Baseball Practice
Location: Bryant, AR

Calculation Grid Summary

Grid Name	Calculation Metric	Light Level			Uniformity		Circuits	Fixture Qty	
		Type	Ave	Min	Max	Max/Min			Ave/Min
Baseball (Infield)	Horizontal Illuminance	Constant	27.1	14.6	33.4	2.29	1.85	A	20
Baseball (Outfield)	Horizontal Illuminance	Constant	18.1	9.80	28	2.85	1.85	A	20
Softball (Infield)	Horizontal Illuminance	Constant	23.5	12.9	31.8	2.45	1.82	B	10
Softball (Outfield)	Horizontal Illuminance	Constant	18.2	9.70	31.9	3.29	1.88	B	10
Tee Ball (Infield)	Horizontal Illuminance	Constant	28.5	19.9	33.7	1.69	1.43	C	8
Tee Ball (Outfield)	Horizontal Illuminance	Constant	16.8	3.10	30	9.76	5.46	C	8

Circuit Summary

Circuit	Description	Load	Fixture Qty
A	Baseball	31.28 kW	20
B	Softball	15.64 kW	10
C	Tee Ball	12.51 kW	8



From Hometown to Professional

We Make It Happen®

ENGINEERED DESIGN

By:
File # / Date: 196995A 13-May-19

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2019 Musco Sports Lighting, LLC.

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
1	A1	60'	-	60'	1500W MZ	3/2*	3	2
3	A2, C1-C2	60'	-	60'	1500W MZ	3	3	0
2	B1-B2	60'	-	60'	1500W MZ	4	4	0
6	TOTALS					22	20	2

* This structure utilizes a back-to-back mounting configuration



MY PROJECT

Name: Ashley Park Baseball Practice
Location: Bryant, AR

GRID SUMMARY

Name: Baseball
Size: Irregular 268' / 311' / 311'
Spacing: 30.0' x 30.0'
Height: 3.0' above grade

CONSTANT ILLUMINATION

SUMMARY	HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Scan Average:	27.09	18.10
Maximum:	33.4	28.0
Minimum:	14.6	9.8
Avg / Min:	1.85	1.85
Max / Min:	2.29	2.85
UG (adjacent pts):	1.38	2.02
CU:	0.63	
No. of Points:	25	67

LUMINAIRE INFORMATION

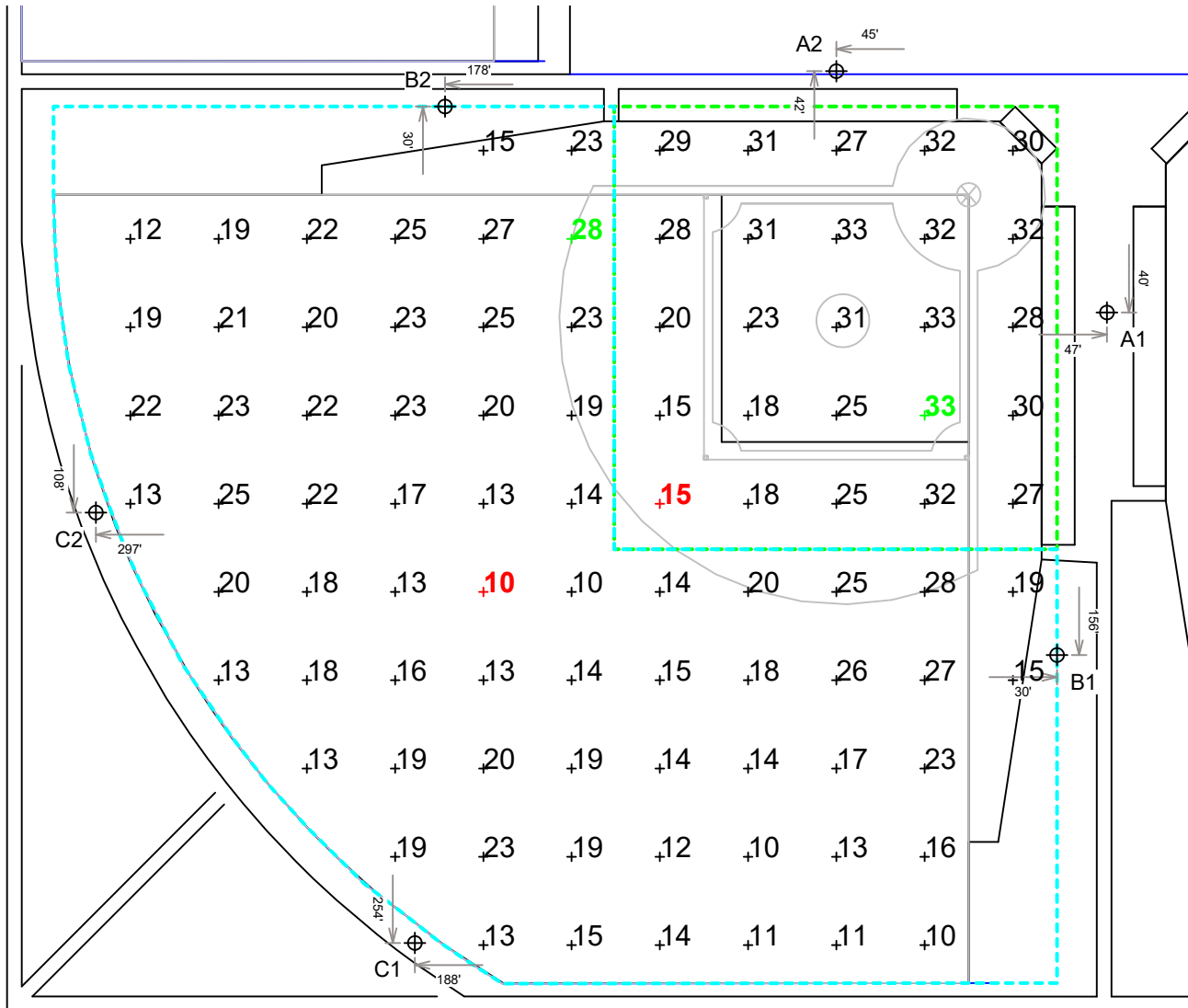
Luminaire Type: Green Generation
Design Usage Hours: 5,000 hours
Design Lumens: 134,000
Avg Lamp Tilt Factor: 1.000
No. of Luminaires: 20
Avg KW: 31.28 (34.0 max)

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

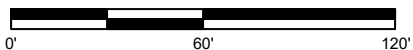
Field Measurements: Illumination measured in accordance with IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

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.



SCALE IN FEET 1 : 60



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

ENGINEERED DESIGN

By:
File # / Date: 196995A 13-May-19

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2019 Musco Sports Lighting, LLC.

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	A1	60'	-	60'	1500W MZ	3/2*	3	2
3	A2, C1-C2	60'	-	60'	1500W MZ	3	3	0
2	B1-B2	60'	-	60'	1500W MZ	4	4	0
6	TOTALS					22	20	2

* This structure utilizes a back-to-back mounting configuration



MY PROJECT

Name: Ashley Park Baseball Practice
Location: Bryant, AR

GRID SUMMARY

Name: Baseball
Size: Irregular 268' / 311' / 311'
Spacing: 30.0' x 30.0'
Height: 3.0' above grade

CONSTANT ILLUMINATION

SUMMARY	HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Scan Average:	27.09	18.10
Maximum:	33.4	28.0
Minimum:	14.6	9.8
Avg / Min:	1.85	1.85
Max / Min:	2.29	2.85
UG (adjacent pts):	1.38	2.02
CU:	0.63	
No. of Points:	25	67

LUMINAIRE INFORMATION

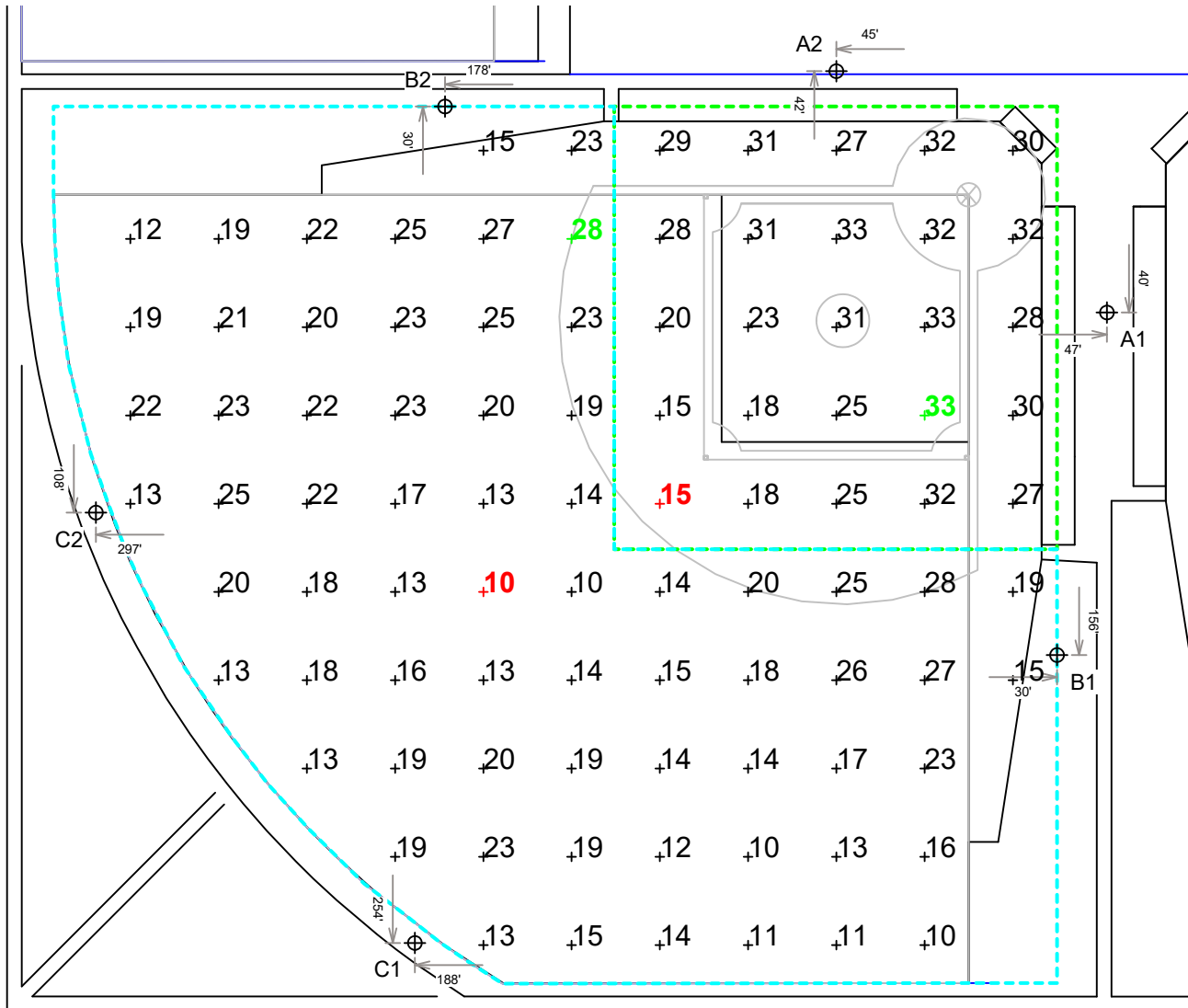
Luminaire Type: Green Generation
Design Usage Hours: 5,000 hours
Design Lumens: 134,000
Avg Lamp Tilt Factor: 1.000
No. of Luminaires: 20
Avg KW: 31.28 (34.0 max)

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

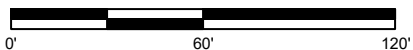
Field Measurements: Illumination measured in accordance with IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

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.



SCALE IN FEET 1 : 60



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

ENGINEERED DESIGN

By:
File # / Date: 196995A 13-May-19

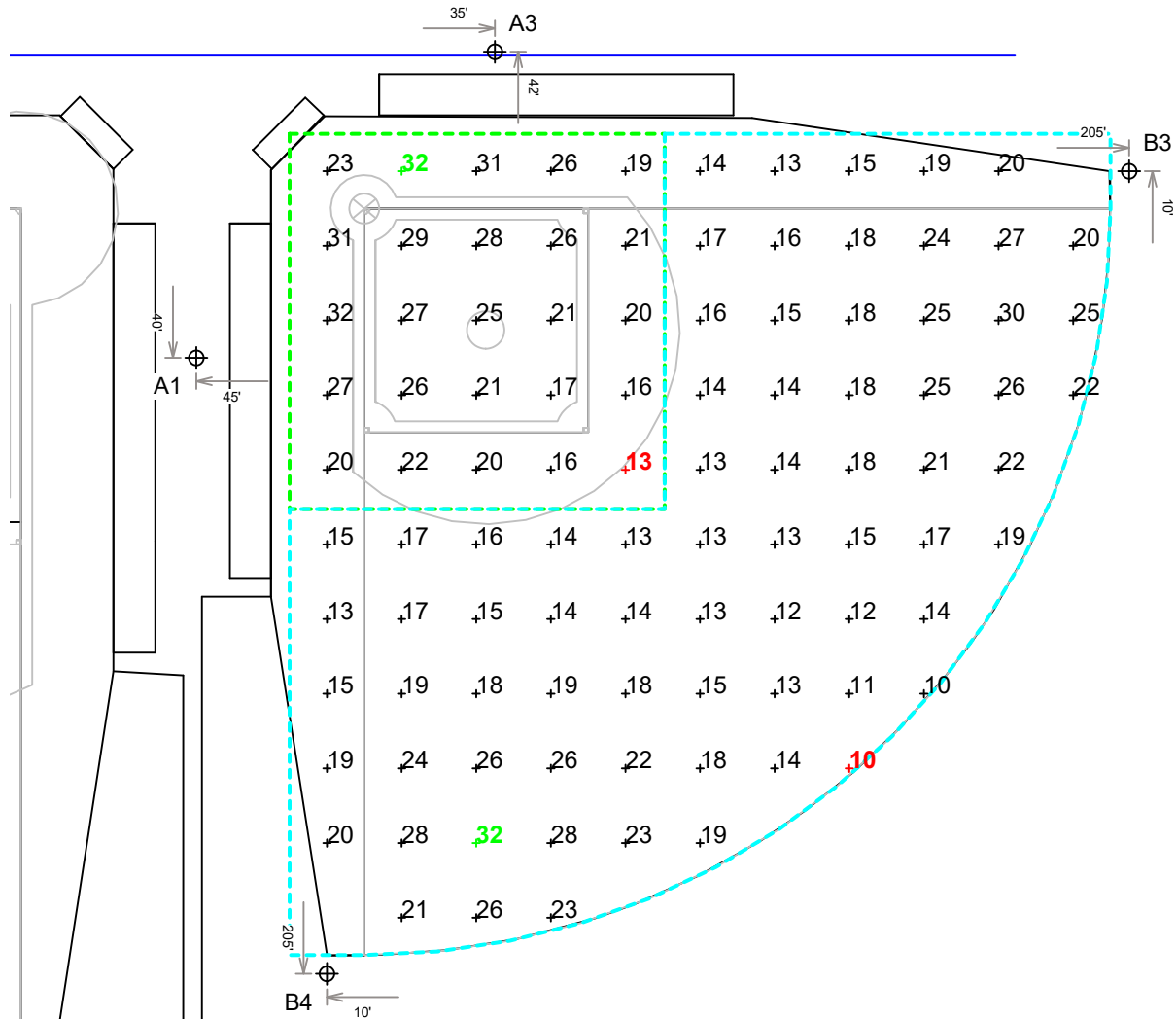
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2019 Musco Sports Lighting, LLC.

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	A1	60'	-	60'	1500W MZ	3/2*	2	3
1	A3	60'	-	60'	1500W MZ	2	2	0
2	B3-B4	60'	-	60'	1500W MZ	3	3	0
4	TOTALS					13	10	3

* This structure utilizes a back-to-back mounting configuration



MY PROJECT	
Name:	Ashley Park Baseball Practice
Location:	Bryant, AR

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

CONSTANT ILLUMINATION		
SUMMARY	HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Scan Average:	23.50	18.23
Maximum:	31.8	31.9
Minimum:	12.9	9.7
Avg / Min:	1.82	1.88
Max / Min:	2.45	3.29
UG (adjacent pts):	1.38	1.42
CU:	0.57	
No. of Points:	25	73
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:	10	
Avg KW:	15.64 (17.0 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 RP-6-15 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.

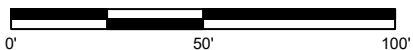
Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN		
By:		
File # / Date:	196995A	13-May-19

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2019 Musco Sports Lighting, LLC.



SCALE IN FEET 1 : 50



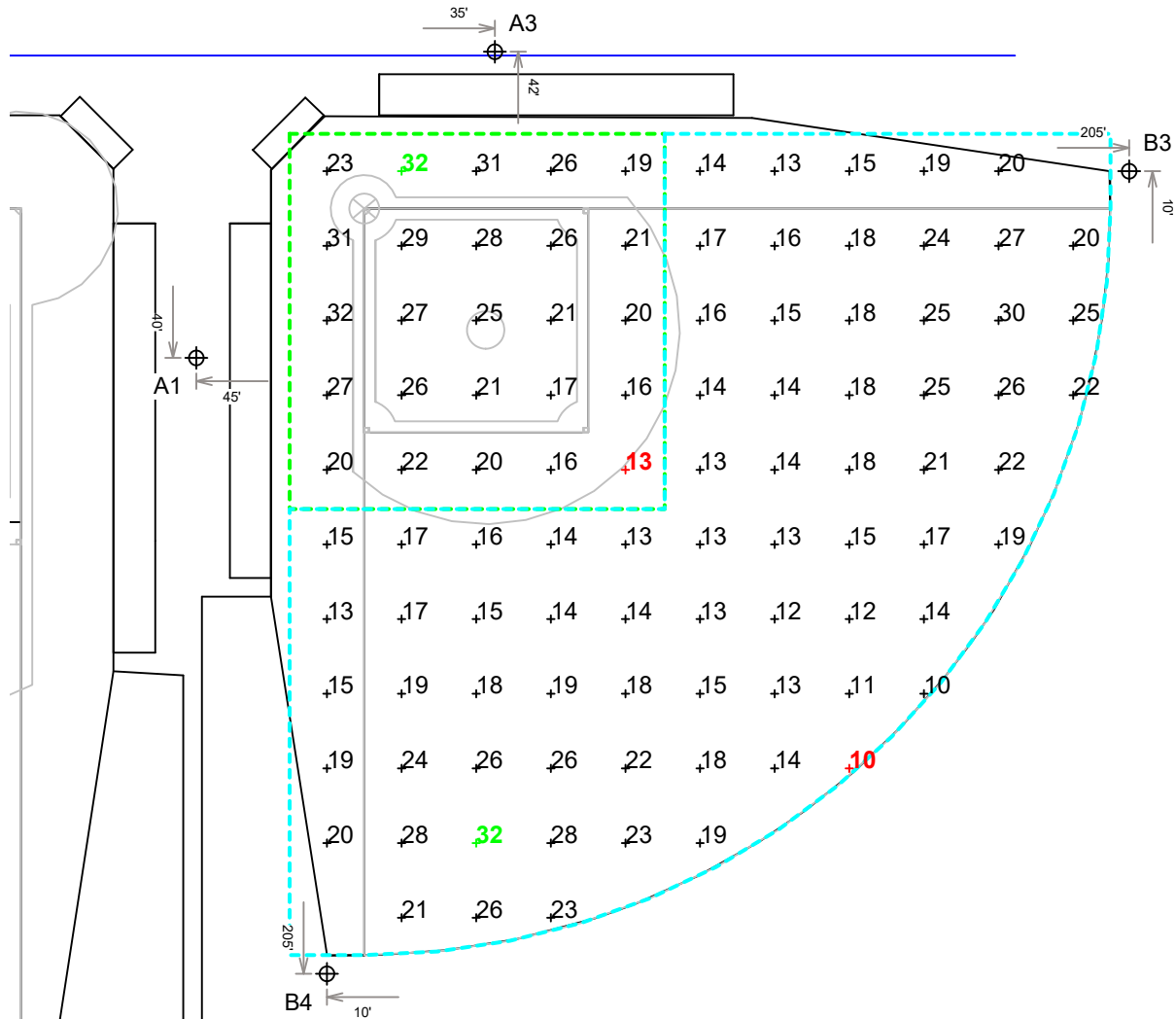
Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

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	A1	60'	-	60'	1500W MZ	3/2*	2	3
1	A3	60'	-	60'	1500W MZ	2	2	0
2	B3-B4	60'	-	60'	1500W MZ	3	3	0
4	TOTALS					13	10	3

* This structure utilizes a back-to-back mounting configuration



MY PROJECT	
Name:	Ashley Park Baseball Practice
Location:	Bryant, AR

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

CONSTANT ILLUMINATION		
SUMMARY	HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Scan Average:	23.50	18.23
Maximum:	31.8	31.9
Minimum:	12.9	9.7
Avg / Min:	1.82	1.88
Max / Min:	2.45	3.29
UG (adjacent pts):	1.38	1.42
CU:	0.57	
No. of Points:	25	73

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:	10
Avg KW:	15.64 (17.0 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 RP-6-15 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.

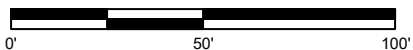
Installation Requirements: Results assume +/- 3% nominal voltage at line side of the ballast and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN		
By:		
File # / Date:	196995A	13-May-19

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2019 Musco Sports Lighting, LLC.



SCALE IN FEET 1 : 50



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

ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A4-A5	60'	-	60'	1500W MZ	4	4	0
TOTALS						8	8	0



MY PROJECT

Name: Ashley Park Baseball Practice
Location: Bryant, AR

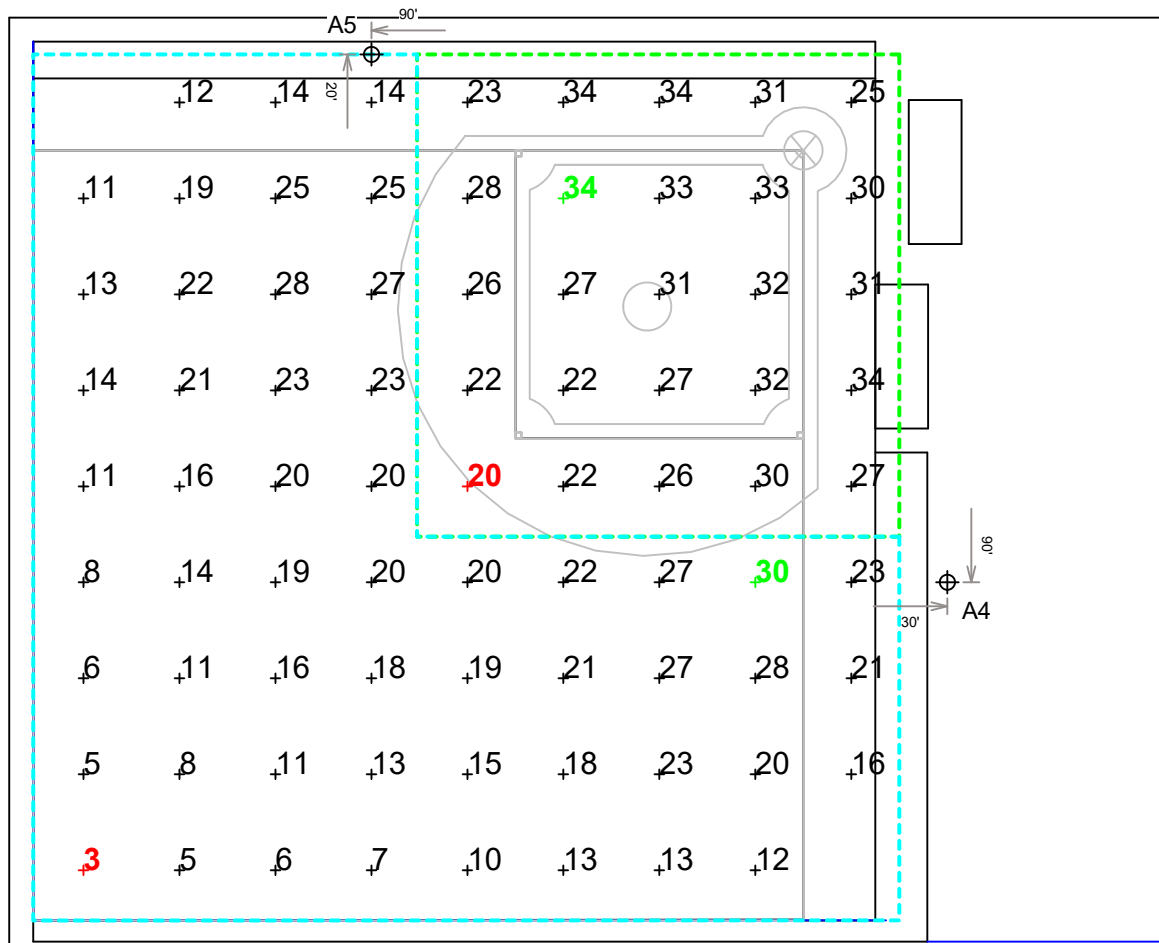
GRID SUMMARY

Name: Tee Ball
Size: Irregular 160' / 227' / 160'
Spacing: 20.0' x 20.0'
Height: 3.0' above grade

CONSTANT ILLUMINATION

SUMMARY	HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Scan Average:	28.53	16.78
Maximum:	33.7	30.0
Minimum:	19.9	3.1
Avg / Min:	1.43	5.46
Max / Min:	1.69	9.76
UG (adjacent pts):	1.46	1.79
CU:	0.60	
No. of Points:	25	54

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:	8
Avg KW:	12.51 (13.6 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 RP-6-15 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.

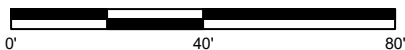
ENGINEERED DESIGN

By:
 File # / Date: 196995A 13-May-19

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2019 Musco Sports Lighting, LLC.



SCALE IN FEET 1 : 40



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

ILLUMINATION SUMMARY

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER GRIDS
2	A4-A5	60'	-	60'	1500W MZ	4	4	0
TOTALS						8	8	0



MY PROJECT

Name: Ashley Park Baseball Practice
Location: Bryant, AR

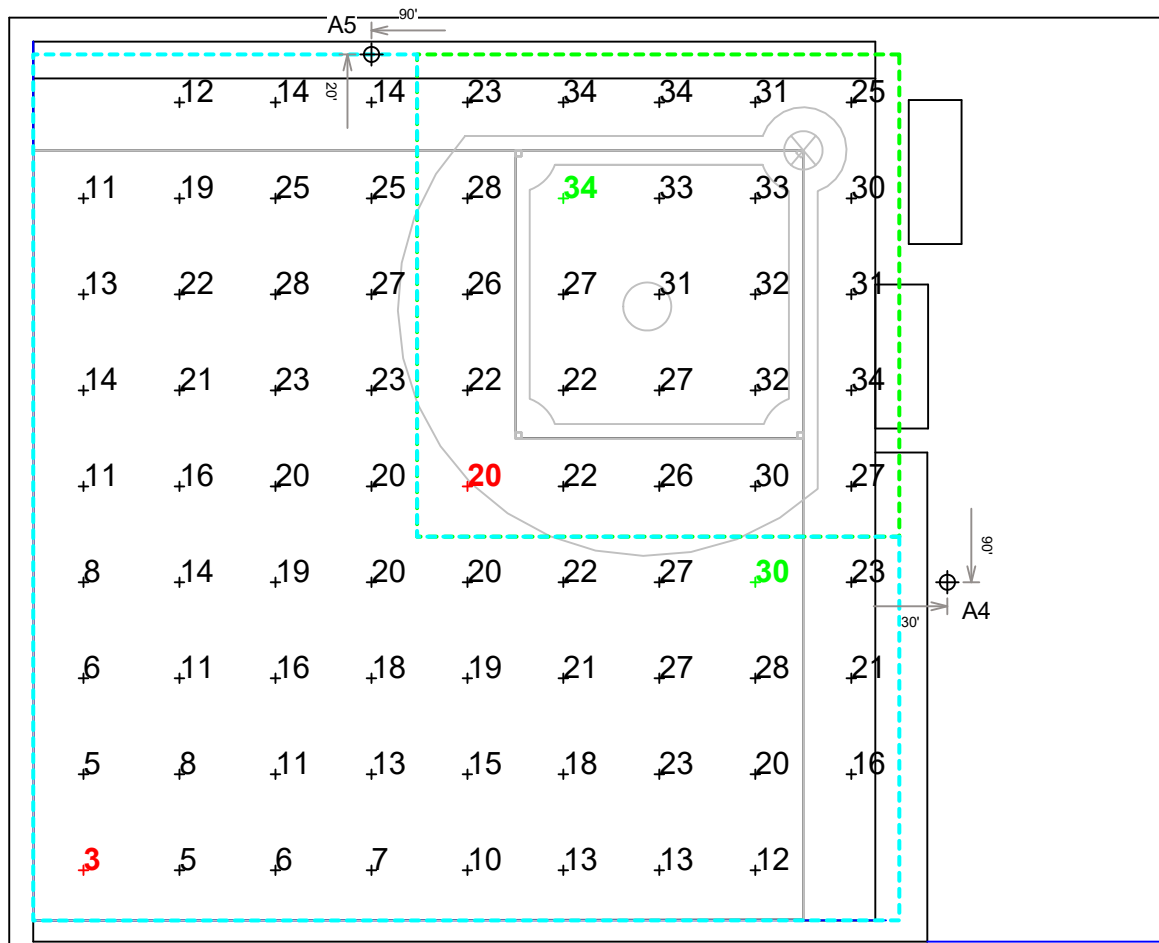
GRID SUMMARY

Name: Tee Ball
Size: Irregular 160' / 227' / 160'
Spacing: 20.0' x 20.0'
Height: 3.0' above grade

CONSTANT ILLUMINATION

SUMMARY	HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Scan Average:	28.53	16.78
Maximum:	33.7	30.0
Minimum:	19.9	3.1
Avg / Min:	1.43	5.46
Max / Min:	1.69	9.76
UG (adjacent pts):	1.46	1.79
CU:	0.60	
No. of Points:	25	54

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:	8
Avg KW:	12.51 (13.6 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 RP-6-15 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.

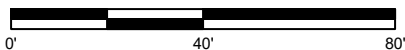
ENGINEERED DESIGN

By:
 File # / Date: 196995A 13-May-19

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2019 Musco Sports Lighting, LLC.



SCALE IN FEET 1 : 40



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

ILLUMINATION SUMMARY

MY PROJECT

Name: Ashley Park Baseball Practice
 Location: Bryant, AR

EQUIPMENT LAYOUT

INCLUDES:
 · Baseball
 · Softball
 · Tee Ball

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.

EQUIPMENT LIST FOR AREAS SHOWN

QTY	LOCATION	Pole		Luminaires		QTY / POLE
		SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	
1	A1	60'	-	60'	1500W MZ	3/2*
5	A2, B3-B4 C1-C2	60'	-	60'	1500W MZ	3
1	A3	60'	-	60'	1500W MZ	2
2	A4-A5	60'	-	60'	1500W MZ	4
2	B1-B2	60'	-	60'	1500W MZ	4
11	TOTALS					38

* This structure utilizes a back-to-back mounting configuration

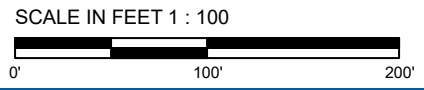
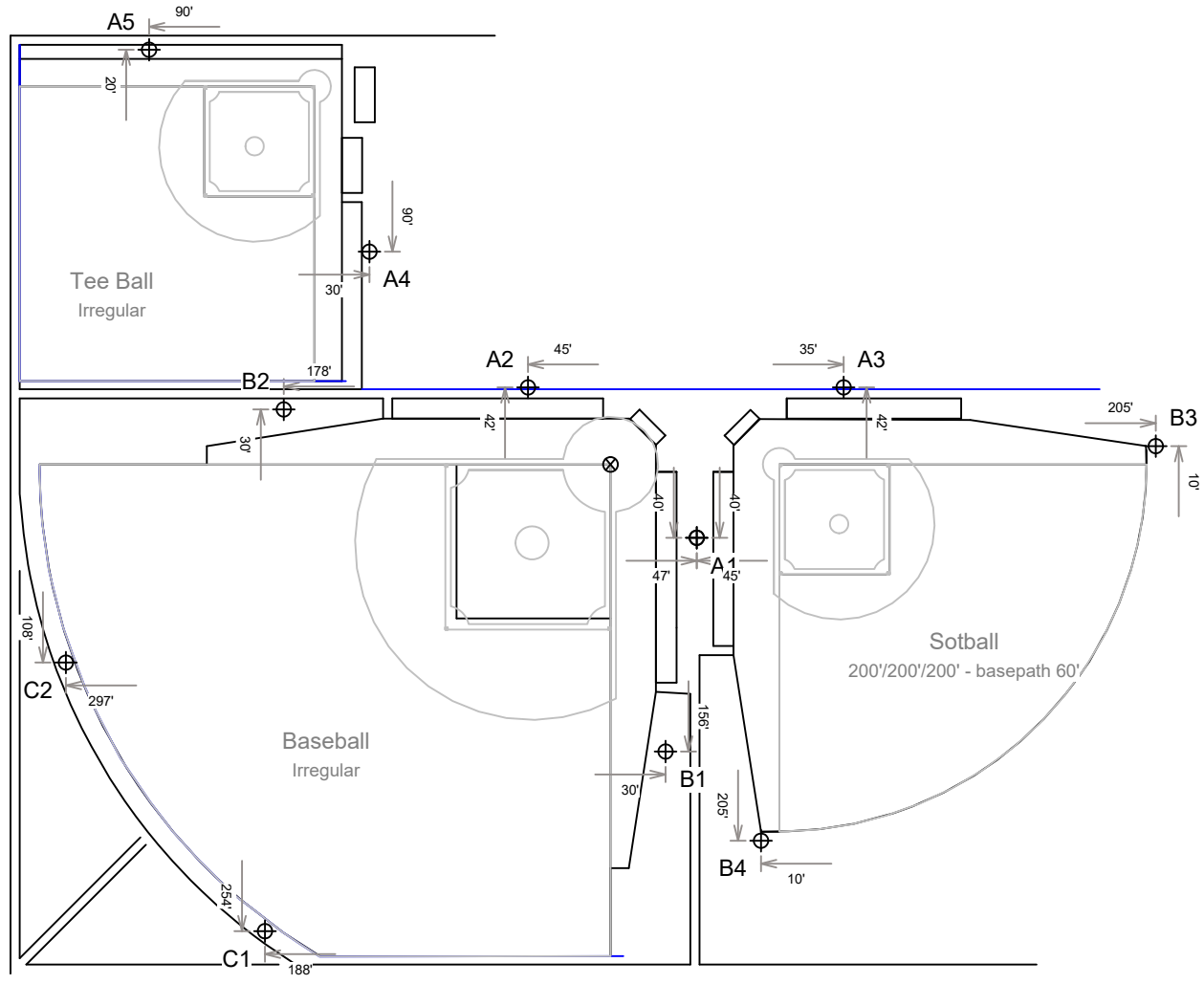
SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (0)	220 (0)	240 (0)	277 (0)	347 (0)	380 (0)	480 (0)
1500 watt MZ	8.6	8.3	7.5	6.5	5.1	4.7	3.7

ENGINEERED DESIGN

By: _____
 File # / Date: 196995A 13-May-19

Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2019 Musco Sports Lighting, LLC.



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