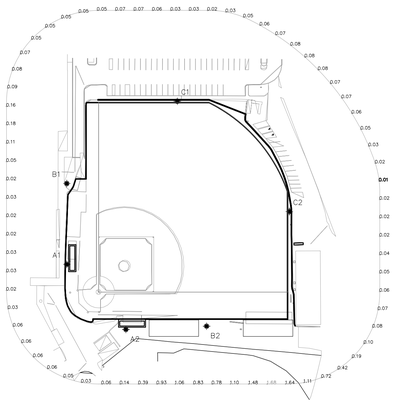
EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires			
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/ POLE	TIME (MS)	OTHER (MISC)
1	A1	70'	-	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	4	4	0
1	A2	70'	-	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	5	5	0
1	B1	80'	-	15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1500	9	9	0
1	B2	80'	-	15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1500	12	12	0
2	C1-C2	70'	-	15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1500	8	8	0
6			TOTALS			56	56	0



Mount Olive High School Baseball
Flanders,NJ

GRID SUMMARY

Name:	**150' Spill**
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

HORIZONTAL FOOTCANDLES

Entire Grid

Scan Average:	0.2221
Maximum:	1.68
Minimum:	0.01
No. of Points:	70

LUMINAIRE INFORMATION

Applied Circuits:	A
No. of Luminaires:	**56**
Total Load:	69.19 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

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 : 100

0' 100' 200'

ENGINEERED DESIGN By: Matt Sullivan · File #210552A · 23-Feb-21

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

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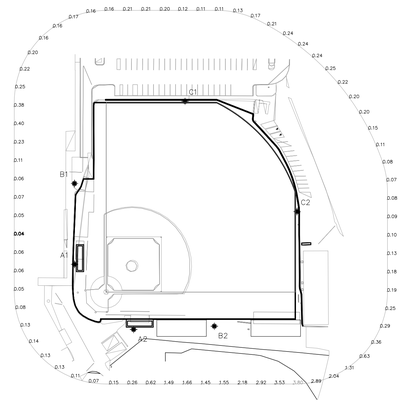
EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires			
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/ POLE	TIME (MS)	OTHER (MISC)
1	A1	70'	-	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	4	4	0
1	A2	70'	-	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	5	5	0
1	B1	80'	-	15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1500	9	9	0
1	B2	80'	-	15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1500	12	12	0
2	C1-C2	70'	-	15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1500	8	8	0
6			TOTALS			56	56	0



Mount Olive High School Baseball
Flanders,NJ

GRID SUMMARY

Name:	**150' Spill**
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

MAA VERTICAL FOOTCANDLES

Entire Grid

Scan Average:	0.5054
Maximum:	3.80
Minimum:	0.04
No. of Points:	70

LUMINAIRE INFORMATION

Applied Circuits:	A
No. of Luminaires:	**56**
Total Load:	69.19 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

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 : 100

0' 100' 200'

ENGINEERED DESIGN By: Matt Sullivan · File #210552A · 23-Feb-21

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

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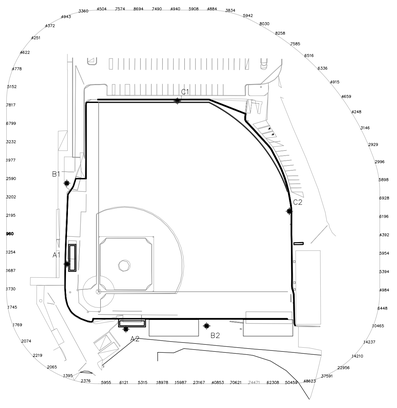
EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires			
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/ POLE	TIME (MS)	OTHER (MISC)
1	A1	70'	-	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	4	4	0
1	A2	70'	-	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	5	5	0
1	B1	80'	-	15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1500	9	9	0
1	B2	80'	-	15.5'	TLC-BT-575	2	2	0
				80'	TLC-LED-1500	12	12	0
2	C1-C2	70'	-	15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1500	8	8	0
6			TOTALS			56	56	0



Mount Olive High School Baseball
Flanders,NJ

GRID SUMMARY

Name:	**150' Spill**
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY

CANDELA (PER FIXTURE)

Entire Grid

Scan Average:	10863.7891
Maximum:	74470.55
Minimum:	960.03
No. of Points:	70

LUMINAIRE INFORMATION

Applied Circuits:	A
No. of Luminaires:	**56**
Total Load:	69.19 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

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.

210552A-7-1.jpg

SCALE IN FEET 1 : 100

0' 100' 200'

ENGINEERED DESIGN By: Matt Sullivan · File #210552A · 23-Feb-21

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

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Mount Olive High School Baseball
Flanders,NJ

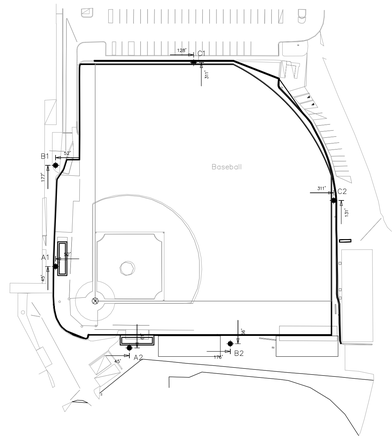
INCLUDES:
- Baseball

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.

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/ POLE
1	A1	70'	-	15.5'	TLC-BT-575	1
				70'	TLC-LED-1200	4
1	A2	70'	-	15.5'	TLC-BT-575	1
				70'	TLC-LED-1200	5
1	B1	80'	-	15.5'	TLC-BT-575	2
				80'	TLC-LED-1500	9
1	B2	80'	-	15.5'	TLC-BT-575	2
				80'	TLC-LED-1500	12
2	C1-C2	70'	-	15.5'	TLC-BT-575	2
				70'	TLC-LED-1500	8
6						56

Ballast Specifications (All fixtures shown feature)	Line Amperage Per Luminaire (Amps Per Fixture)						
Single Phase Voltage	208 (MS)	220 (MS)	240 (MS)	277 (MS)	347 (MS)	380 (MS)	480 (MS)
TLC-LED-1500	8.5	8.1	7.4	6.4	5.1	4.7	3.7
TLC-BT-575	3.4	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-1200	7.0	6.6	6.1	5.2	4.2	4.0	3.0



SCALE IN FEET 1 : 80

0' 80' 160'

ENGINEERED DESIGN By: Matt Sullivan · File #210552A · 23-Feb-21

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

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- CIVIL
- STRUCTURAL
- CONSTRUCTION
- ENVIRONMENTAL
- MECHANICAL
- FORENSIC

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N.J. LIC. NO. 13996
PROFESSIONAL ENGINEER
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PA. LIC. NO. 43077

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PROFESSIONAL ENGINEER
N.J. LIC. NO. 18288
PA. LIC. NO. 17377
N.Y. LIC. NO. 52202
PROFESSIONAL PLANNER
N.J. LIC. NO. 3501

SYNTHETIC TURF FIELD AND FIELD LIGHTING

AT THE MT. OLIVE HIGH SCHOOL

FOR THE MT. OLIVE BOARD OF EDUCATION

MORRIS COUNTY NEW JERSEY

FIELD LIGHTING DETAILS

SCALE: AS NOTED

DATE	DRAWN
8/12/21	MGG
	CHECKED
	AG

FILE
MOHSBaseballTurfR8

REVISION

SP-4.3