

**Louisburg Board of Zoning Appeals Meeting
6:00 P.M. MAY 28, 2025
City Council Meeting Room
215 S. Broadway
AGENDA**

Livestream link:

<https://boxcast.tv/view/board-of-zoning-appeals-tvpscu2uxmiw7axhakrb>

Item 1: CALL TO ORDER

Item 2: PLEDGE OF ALLEGIANCE

Item 3: ADOPTION OF THE AGENDA

Item 4: APPROVAL OF THE MINUTES – of the Nov. 30, 2022, meeting

PUBLIC HEARING BUSINESS ITEMS:

Item 5: 25001-VAR (Variance) – 505 East Amity Street (Louisburg Middle School / High School), Request to deviate from the maximum structure height allowed in an R-1 zoning district to allow for sports field lighting at baseball and softball fields. (Parcel ID: 1093202001001000)

Item 6: ADJOURNMENT



**LOUISBURG BOARD OF ZONING APPEALS
MEETING MINUTES
WEDNESDAY NOVEMBER 30, 2022**

The Board of Zoning Appeals of the City of Louisburg, Kansas met at 6:00 p.m. in the City Hall Council Chambers with Chairperson Andy Sauber presiding.

ATTENDANCE:

Commission Members: Betty Brown, Jason Burk, Chris Hoffman and Thorvald McKiernan
City Council: Mayor Donna Cook, TJ Williams, Steve Town and Tiffany Ellison
City Administrator: Nathan Law
Staff: Jean Carder
Recording Secretary: Robert Lake
Visitors: Roger Ostmeyer

Item 1: ROLL CALL

Item 2: ADOPTION OF THE AGENDA:

Chris Hoffman moved to make a motion to approve the agenda, was seconded by Jason Burk and passed 4-0, to approve the agenda.

Item 3: APPROVAL OF THE MINUTES:

Thorvald McKiernan asked for a motion to approve the minutes from the April 27, 2022, meeting. Jason Burk moved, to approve the minutes. Seconded by Hoffman and passed 4-0 to approve the minutes.

Item 4: NON-PUBLIC HEARING ITEMS:

None.

PUBLIC HEARING BUSINESS ITEMS:

Item 5: 22002-VAR (Variance) – 408 South Metcalf Road (Citizens Bank), Request to deviate from the minimum front and rear yard setback requirements. (Parcel ID: 1093101033001000).

Thorvald McKiernan asked the Citizens Bank representative Roger Ostmeyer, if there was anything to add to the information they had in front of them. Ostmeyer said the back of the building exceeds the rear setback amount required but it is due to the drive-thru canopy.

McKiernan asked if anyone from the public wished to speak. No one did. McKiernan closed the public hearing portion of the meeting.

The board began discussion regarding the variances. The proposed rear setback would be changed from 25 feet to 14.8 feet and the front setback with are 25 feet down to 13.6 feet. McKiernan asked where they obtained the variance measurements from. Ostmeyer advised the building sits centered on the lot for better access for 4th and 5th street entrances. The design and placement was created to provide a better lawn presentation and for incoming traffic entrances and exits so they may be further away from Metcalf Road.

No further questions were asked.

The Board of Zoning Appeals then discussed the following factors in relation to the variance requests submitted by the developer:

- A. **UNIQUENESS:** The variance requested arises from conditions which are unique to the property in question, which are not ordinarily found in the same zoning district, and which are not caused by actions of the property owners or applicant. Such conditions include the peculiar physical surroundings, shape, or topographical condition of the specific property involved which would result in a practical difficulty or unnecessary hardship for the applicant, as distinguished from a mere inconvenience, if the requested variance was not granted.
- B. **ADJACENT PROPERTY.** The granting of the variance will not be materially detrimental or adversely affect the rights of adjacent property owners or residents.
- C. **HARDSHIP:** The strict application of the provisions of the zoning regulations from which a variance is requested will constitute an unnecessary hardship upon the applicant. Although the desire to increase the profitability of the property may be an indication of hardship, it shall not be a sufficient reason by itself to justify the variance.
- D. **PUBLIC INTEREST:** The variance desired will not adversely affect the public health, safety, morals, order, convenience, or general welfare of the community. The proposed variance shall not impair an adequate supply of light or air to adjacent property, substantially increase the congestion in the public streets, increase the danger of fire, endanger the public safety, or substantially diminish or impair property values within the neighborhood.
- E. **SPIRIT AND INTENT:** Granting the requested variance will not be opposed to the general spirit and intent of the zoning regulations.
- F. **MINIMUM VARIANCE:** The variance requested is the minimum variance that will make possible the reasonable use of the land or structure.

The Board of Zoning Appeals did not find any issues with the above mentioned factors.

After additional discussion, Thorvald McKiernan requested a motion for approval for both variances as written. Chris Hoffman moved, and Jason Burk second and carried 4-0, to approve the variance requests.

Item 6: ADJOURNMENT:

A motion was made by Betty Brown to adjourn the meeting. Second was made by Chris Hoffman. The motion passed 4-0. Meeting adjourned at 6:11 p.m.

Submitted by Robert Lake

City of Louisburg Board of Zoning Appeals Staff Report

MEETING DATE: May 28, 2025

REPORT WRITTEN: May 21, 2025

LOUISBURG MIDDLE SCHOOL / HIGH SCHOOL – REQUEST FOR APPROVAL OF A VARIANCE TO MAXIMUM STRUCTURE HEIGHT – Located south of East Amity Street and north of Aquatic Drive – Case 25001-VAR – **PUBLIC HEARING**

APPLICANT:

- The applicant is the City of USD 416 represented by Dr. Brian Biermann, Superintendent.
- The architect is Hollis + Miller Architects.
- The engineer / landscape architect is Mkec Engineering.
- The lighting engineer is Smith & Boucher Engineers.

REQUEST:

- The applicant is requesting approval of a variance to allow sports lighting poles that exceed the maximum allowed structure height within an R-1 zoning district.

LOCATION:



ZONING:

- The property is currently zoned R-1 (Single-Family Dwelling District).

COMPREHENSIVE PLAN:

- The Comprehensive Plan designates this property as Public / Semi-Public.

SURROUNDING ZONING:

- North – C-4 – Special Use Business District (Bus Barn), C-3 – General Business District, and property located within Miami County.
- South – R-1 Single-Family Dwelling District
- East – R-1 Single-Family Dwelling District
- West – R-1 Single-Family Dwelling District

VARIANCE REQUESTED:

- Zoning Regulations, Section 502(E): Height Regulations. Maximum structure height: thirty-five (35) feet.
 - The subject property is located in an R-1, Single-Family Dwelling District.
 - The property currently houses the Louisburg Middle & High School campuses, parking, and practice sports fields.
 - The applicant came to the April 30, 2025 Planning Commission meeting requesting approval for new baseball / softball fields (and associated equipment such as dugouts, light poles, fencing, etc.). The overall site plan was approved with stipulations, but the lighting portion was removed for further consideration by the Board of Zoning Appeals due to height issues. If the variance is approved by the BZA, the lighting will need to be heard and approved at the May 28, 2025 Planning Commission meeting.
 - The maximum structure height in an R-1 zoning district is 35'-0".
 - **The applicant is proposing the use of 70'-0" – 80'-0" light poles to light the proposed** varsity and junior varsity baseball and softball sports fields. The contractor for these is Musco lighting. The applicant looked at multiple options for the lighting, including shorter poles, but found that the safest, least intrusive and best way to adequately light the fields is to have the taller poles. **The proposed height exceeds the 35'-0" height allowance in an R-1 zoning district.**
 - Approved lighting would be required to meet the standard set by the Planning Commission for allowed foot-candles at the property lines, as well as shielding/cutoff and timer requirements.

PUBLIC NOTIFICATION:

- The City provided written notice of this public hearing to all property owners within the required 200-foot radius of the subject property.
- A public notice was placed in the newspaper to advertise for this public hearing, and the ad appeared in the May 7, 2025 version of the Miami County Republic.
- To date, Staff has not received any comments from neighbors concerning this proposal.

BZA FACTORS:

The character of the neighborhood:

The subject property is located south of East Amity Street and north of Aquatic Drive. The area is characterized by residential and institutional uses, and arterial and collector streets.

The zoning and uses of properties nearby:

- North – C-4 – Special Use Business District (Bus Barn), C-3 – General Business District, and property located within Miami County.
- South – R-1 Single-Family Dwelling District
- East – R-1 Single-Family Dwelling District
- West – R-1 Single-Family Dwelling District

BZA Consideration:

The Board of Zoning Appeals shall hear all facts and testimony from all parties wishing to be heard concerning the requested variance. In each case, the Board of Zoning Appeals shall not grant a variance unless it finds, based on the evidence presented, facts which conclusively support all of the following findings:

1. UNIQUENESS: The variance requested arises from conditions which are unique to the property in question, and which are not ordinarily found in the same zoning district, and which are not caused by actions of the property owners or applicant. Such conditions include the peculiar physical surroundings, shape, or topographical condition of the specific property involved which would result in a practical difficulty or unnecessary hardship for the applicant, as distinguished from a mere inconvenience, if the requested variance was not granted.
 - a. Applicant Response: *While schools are allowed in an R-1 Zoning (Residential), they are inherently unique from their adjacent neighbors based on the scale and unique needs of a school versus a home/residential property. To provide safe access and travel to practice and competition fields, the proposed location for the improved fields including **70' tall sports lighting, that is already used for school activities, such as band practice, athletic practices and physical education classes.***

2. ADJACENT PROPERTY: The granting of the variance will not be materially detrimental or adversely affect the rights of adjacent property owners or residents.
 - a. Applicant Response: *With this property currently being a school with athletic fields and activities (baseball, t-ball, practice, etc.) occurring on this proposed site, this will not detrimentally or adversely affect the rights of adjacent property owners. There are currently streetlights and other lights on adjacent properties and at the school surrounding the current properties, and the new sports lighting is not anticipated to be used past 9/9:30pm and as such with the cut off levels of lights at the property line, adjacent property owners will not be adversely affected.*

3. HARDSHIP: The strict application of the provisions of the zoning regulations from which a variance is requested will constitute an unnecessary hardship upon the applicant. Although the desire to increase the profitability may be an indication of hardship, it shall not be a sufficient reason by itself to justify the variance.
 - a. Applicant Response: **Currently, city ordinance notes that no ‘Structures’ may be greater than 35’-0” tall with the exception of barns and silos. It is our interpretation that the intent of this requirement is to restrict large structures (buildings, etc.) that will produce large shadows and block light and air from being located in a residential neighborhood and is not intended to restrict items such as light poles from being installed where necessary. Given light poles are being classified as a ‘Structure’, this is a hardship as it is not possible for them to be engineered safely at a height lower than the proposed 70’-0” poles for baseball and softball functions.**

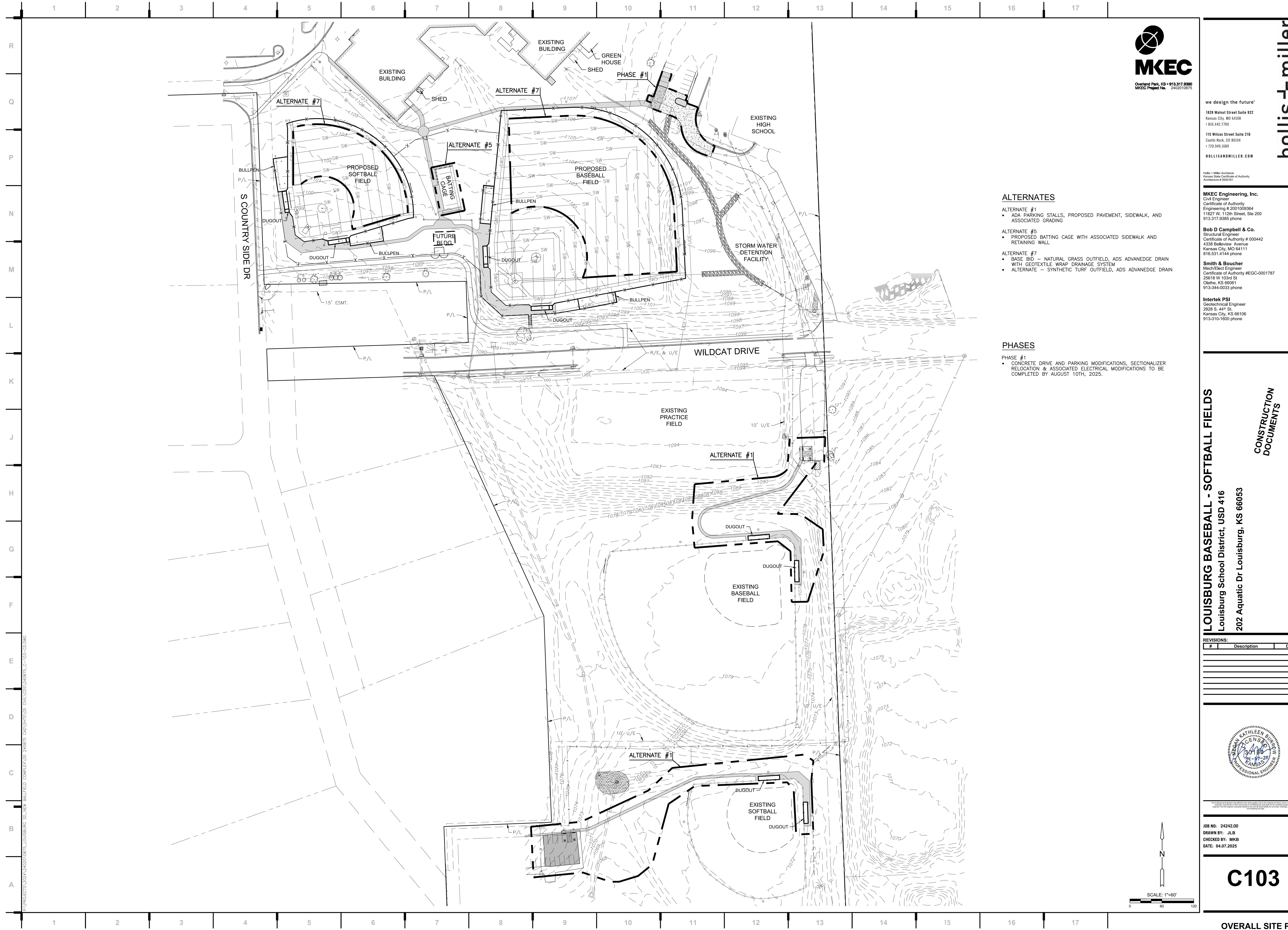
4. PUBLIC INTEREST: The variance desired will not adversely affect the public health, safety, morals, order, convenience, or general welfare of the community. The proposed variance shall not impair an adequate supply of light or air to adjacent property, substantially increase the congestion in the public streets, increase the danger of fire, endanger the public safety, or substantially diminish or impair property values within the neighborhood.
 - a. Applicant Response: *The proposed variance will not adversely affect the public health, safety, morals, order, convenience, or general welfare of the community. These light poles, while tall will not limit the supply of light or air to adjacent properties, and will not impact public streets, or endanger fire or public safety. As such this property is currently a school already, it should not have any impact on property values as the function of the site is not changing.*

5. SPIRIT AND INTENT: Granting the requested variance will not be opposed to the general spirit and intent of the zoning regulations.
 - a. Applicant Response: *Schools are common occurrences in R-1 zoning to provide close proximity and strong community ties to the neighborhoods and patrons that attend them. Appropriate and safe fields to support the physical, mental health and well-being of students and community members are elements of those schools needed to provide varied experiences for students attending those schools. This is in line with the general spirit and intent of the zoning regulations.*

6. MINIMUM VARIANCE: The variance requested is the minimum variance that will make possible the reasonable use of the land or structure.
 - a. Applicant Response: *Correct, the design team and Owner have worked diligently with sports lighting engineers to provide the least intrusive solution to safely light the improved fields while also minimizing light spill at property line, so neighbors are*

minimally impacted. As noted by Planning Commission members, the similar installation at the football field provides great lighting on the field, without spilling light on adjacent properties.

NOTE: Variance requests do not need additional consideration by the City Council for approval.



Overland Park, KS • 913.317.9390
MKEC Project No. 242010675

we design the future™
1828 Walnut Street Suite 922
Kansas City, MO 64108
1.816.442.7700
115 Wilcox Street Suite 210
Castle Rock, CO 80104
1.720.949.1889
HOLLISANDMILLER.COM

Hollis + Miller Architects
Kansas State Certificate of Authority
Architecture # 000091

MKEC Engineering, Inc.
Civil Engineer
Certificate of Authority
Engineering # 200109364
11827 W. 112th Street, Ste 200
913.317.9385 phone

Bob D Campbell & Co.
Structural Engineer
Certificate of Authority # 000442
4338 Bellevue Avenue
Kansas City, MO 64111
816.531.4144 phone

Smith & Boucher
Mech/Elect Engineer
Certificate of Authority #EGG-0001787
25618 W 103rd St
Olathe, KS 66061
913-344-0033 phone

Intertek PSI
Geotechnical Engineer
2828 S. 44th St.
Kansas City, KS 66106
913-310-1500 phone

ALTERNATES

- ALTERNATE #1**
- ADA PARKING STALLS, PROPOSED PAVEMENT, SIDEWALK, AND ASSOCIATED GRADING
- ALTERNATE #5**
- PROPOSED BATTING CAGE WITH ASSOCIATED SIDEWALK AND RETAINING WALL
- ALTERNATE #7**
- BASE BID - NATURAL GRASS OUTFIELD, ADS ADVANEDGE DRAIN WITH GEOTEXTILE WRAP DRAINAGE SYSTEM
 - ALTERNATE - SYNTHETIC TURF OUTFIELD, ADS ADVANEDGE DRAIN

PHASES

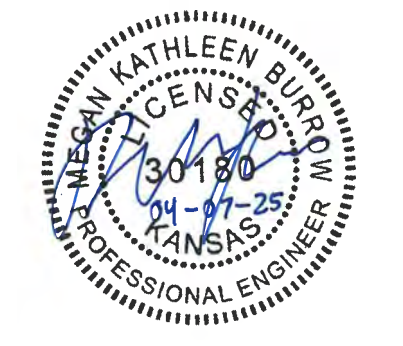
- PHASE #1**
- CONCRETE DRIVE AND PARKING MODIFICATIONS, SECTIONALIZER RELOCATION & ASSOCIATED ELECTRICAL MODIFICATIONS TO BE COMPLETED BY AUGUST 10TH, 2025.

LOUISBURG BASEBALL - SOFTBALL FIELDS
Louisburg School District, USD 416
202 Aquatic Dr. Louisburg, KS 66053

CONSTRUCTION DOCUMENTS

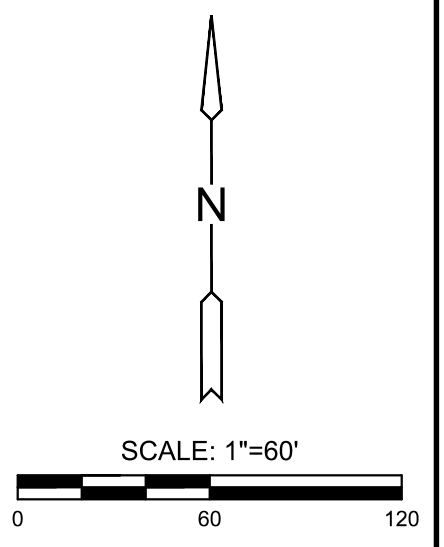
REVISIONS:

#	Description	Date



JOB NO: 24242.00
DRAWN BY: JLB
CHECKED BY: MKB
DATE: 04.07.2025

C103





Overland Park, KS • 913.317.9390
MKEC Project No. 2420210815

we design the future™
1828 Walnut Street Suite 922
Kansas City, MO 64108
1.816.442.7700
115 Wilcox Street Suite 210
Castle Rock, CO 80104
1.720.949.1889
HOLLISANDMILLER.COM

Hollis + Miller Architects
Kansas State Certificate of Authority
Architecture #000991

MKEC Engineering, Inc.
Civil Engineer
Certificate of Authority
Engineering # 200109364
11827 W. 112th Street, Ste 200
913.317.9385 phone

Bob D Campbell & Co.
Structural Engineer
Certificate of Authority # 000442
4338 Bellevue Avenue
Kansas City, MO 64111
916.531.4144 phone

Smith & Boucher
Mech/Elect Engineer
Certificate of Authority #EGC-0001787
25618 W 103rd St
Olathe, KS 66061
913-344-0033 phone

Intertek PSI
Geotechnical Engineer
2828 S. 44th St.
Kansas City, KS 66106
913-310-1500 phone

LOUISBURG BASEBALL - SOFTBALL FIELDS
Louisburg School District, USD 416
202 Aquatic Dr. Louisburg, KS 66053

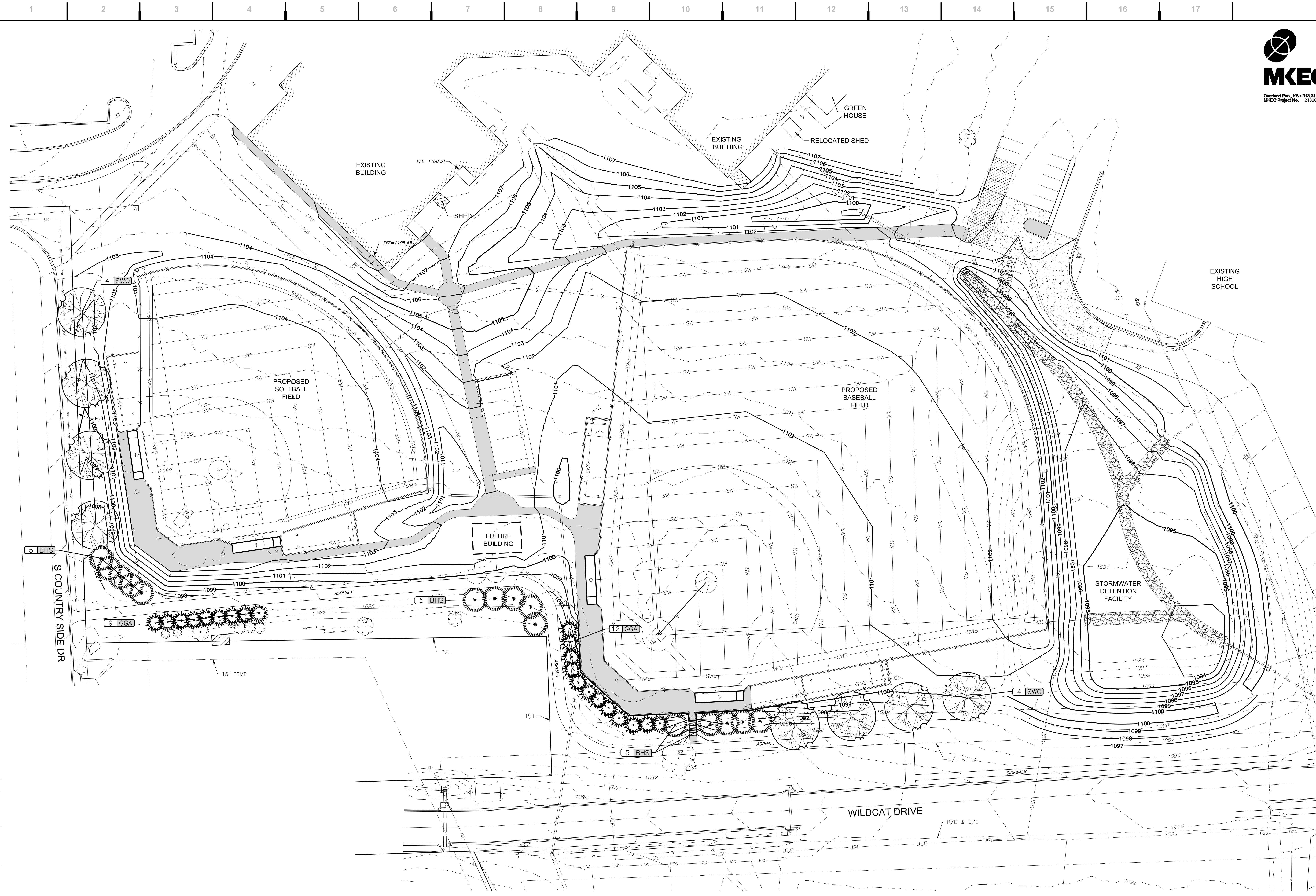
CONSTRUCTION DOCUMENTS

REVISIONS:		
#	Description	Date

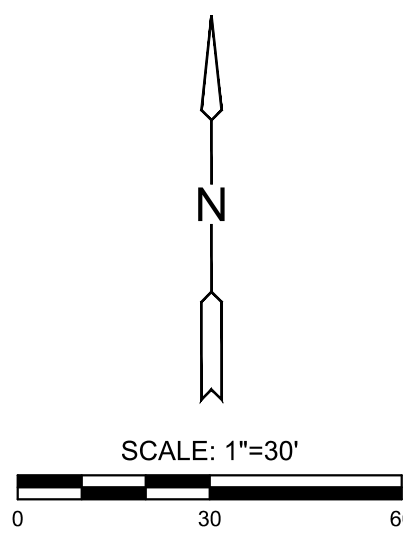


JOB NO: 24242.00
DRAWN BY: BJH
CHECKED BY: BJH
DATE: 04.07.2025

L101



ORIGINAL PLANT SCHEDULE				
KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE & METHOD OF HANDLING
DECIDUOUS TREES				
SWO	8	SWAMP WHITE OAK	QUERCUS BICOLOR	2.0" CAL, 12' MIN. HT.
EVERGREEN TREES				
BHS	15	BLACK HILLS SPRUCE	PICEA GLAUCA 'DENSATA'	5' MIN.
GGA	21	GREEN GIANT ARBORVITAE	THUJA STANDISHII X PLICATA 'GREEN GIANT'	3 GAL.
GROUND COVER				
TURF	NA	FESCUE TURF GRASS	SEE LANDSCAPE NOTES	SEED



Louisburg High School Baseball Softball

Louisburg, KS

Lighting System

Pole/Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1-A2	70'	70'	4	TLC-LED-1200	4.68 kW	A
		40'	1	Cree OSQ	0.10 kW	D
		16'	1	TLC-BT-575	0.57 kW	A
A3-A4	60'	60'	1	TLC-LED-1200	1.17 kW	B
		60'	2	TLC-LED-900	1.76 kW	B
		40'	1	Cree OSQ	0.10 kW	D
		16'	1	TLC-BT-575	0.57 kW	B
A5-A6	70'	70'	3	TLC-LED-900	2.64 kW	H
		40'	1	Cree OSQ	0.10 kW	J
		16'	1	TLC-BT-575	0.57 kW	H
A7-A8	60'	60'	2	TLC-LED-900	1.76 kW	I
		40'	1	Cree OSQ	0.10 kW	J
B1	80'	80'	7	TLC-LED-1500	9.87 kW	A
		80'	2	TLC-LED-550	1.08 kW	C
		40'	1	Cree OSQ	0.10 kW	D
B2	80'	80'	7	TLC-LED-1500	9.87 kW	A
		40'	1	Cree OSQ	0.10 kW	D
		16'	1	TLC-BT-575	0.57 kW	A
B3	70'	70'	5	TLC-LED-1200	5.85 kW	B
		40'	1	Cree OSQ	0.10 kW	D
		16'	2	TLC-BT-575	1.15 kW	B
B4	70'	70'	2	TLC-LED-550	1.08 kW	C
		70'	5	TLC-LED-1200	5.85 kW	B
		40'	1	Cree OSQ	0.10 kW	D
		16'	2	TLC-BT-575	1.15 kW	B
B5-B6	70'	70'	5	TLC-LED-1200	5.85 kW	H
		16'	1	TLC-BT-575	0.57 kW	H
B7	70'	70'	3	TLC-LED-1200	3.51 kW	I
		16'	1	TLC-BT-575	0.57 kW	I
B8	70'	70'	3	TLC-LED-1200	3.51 kW	I
		40'	1	Cree OSQ	0.10 kW	J
C1-C2	80'	80'	5	TLC-LED-1200	5.85 kW	A
		40'	1	Cree OSQ	0.10 kW	D
C3-C4	70'	70'	4	TLC-LED-1200	4.68 kW	H
		16'	2	TLC-BT-575	1.15 kW	A
20			127		113.85 kW	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Varsity Baseball	45.40 kW	40
B	Varsity Softball	21.01 kW	22
C	Batting Cage	2.16 kW	4
D	Security	1.00 kW	10
H	JV Baseball	30.94 kW	32
I	JV Softball	12.84 kW	14
J	Security	0.50 kW	5

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
Cree OSQ	LED 5700K - 70 CRI	100W	14,743	--	--	--	15
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	26
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	54
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	14
TLC-LED-550	LED 5700K - 75 CRI	540W	67,000	>120,000	>120,000	>120,000	4
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	14

Single Luminaire Amperage Draw Chart							
Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage							
CREE OSQ	-	-	-	-	0.3	-	0.2
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3

From Hometown to Professional



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

Louisburg High School Baseball Softball

Louisburg, KS

Light Level Summary

Calculation Grid Summary

Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Batting Cage	Horizontal	22.88	20.6	24.5	1.19	1.11	C	4
JV Baseball (Infield)	Horizontal Illuminance	31.42	22.0	35.9	1.63	1.43	H	32
JV Baseball (Outfield)	Horizontal Illuminance	23.64	16.2	30.1	1.85	1.46	H	32
JV Baseball/Softball 150' Glare @ 5ft.	Max Candela (by Fixture)	1288.4281	3.852	6577.445	1707.405	334.456	H,I,J	51
JV Baseball/Softball 150' Spill @ 3ft.	Horizontal Illuminance	0.0108	0.000	0.049	-	-	H,I,J	51
JV Baseball/Softball 150' Spill @ 5ft.	Max Vertical Illuminance Metric	0.0284	0.000	0.139	-	-	H,I,J	51
JV Softball (Infield)	Horizontal Illuminance	32.96	23.7	39.0	1.65	1.39	I	14
JV Softball (Outfield)	Horizontal Illuminance	22.76	14.7	27.4	1.86	1.55	I	14
Residential Property Line Glare @ 5ft.	Max Candela (by Fixture)	4645.9292	2.188	21333.736	9752.387	2123.814	A,B,C,D,H,I,J	127
Residential Property Line Spill @ 3ft.	Horizontal Illuminance	0.0638	0.000	0.413	-	-	A,B,C,D,H,I,J	127
Residential Property Line Spill @ 5ft.	Max Vertical Illuminance Metric	0.1448	0.000	0.860	-	-	A,B,C,D,H,I,J	127
Security (JV Fields)	Horizontal	0.46	0.1	2.5	49.22	9.22	J	5
Security (Varsity Fields)	Horizontal	0.48	0.1	2.5	49.68	9.51	D	10
Varsity Baseball (Infield)	Horizontal Illuminance	51.46	40.2	57.8	1.44	1.28	A	40
Varsity Baseball (Outfield)	Horizontal Illuminance	32.26	22.8	46.5	2.04	1.42	A	40
Varsity Baseball - 1st Base Bullpen	Horizontal	31.04	25.3	37.1	1.47	1.23	A	40
Varsity Baseball - 3rd Base Bullpen	Horizontal	31.57	26.4	38.5	1.46	1.19	A	40
Varsity Baseball/Softball 150' Glare @	Max Candela (by Fixture)	2406.5935	5.538	6394.747	1154.638	434.536	A,B,C	66
Varsity Baseball/Softball 150' Spill @	Horizontal Illuminance	0.0248	0.000	0.086	-	-	A,B,C	66
Varsity Baseball/Softball 150' Spill @	Max Vertical Illuminance Metric	0.0597	0.000	0.201	-	-	A,B,C	66
Varsity Softball (Infield)	Horizontal Illuminance	52.79	41.3	63.2	1.53	1.28	B	22
Varsity Softball (Outfield)	Horizontal Illuminance	32.48	22.7	45.3	1.99	1.43	B	22
Varsity Softball - 1st Base Bullpen	Horizontal	31.69	25.2	39.4	1.56	1.26	B	22
Varsity Softball - 3rd Base Bullpen	Horizontal	31.48	24.5	39.4	1.61	1.28	B	22

From Hometown to Professional

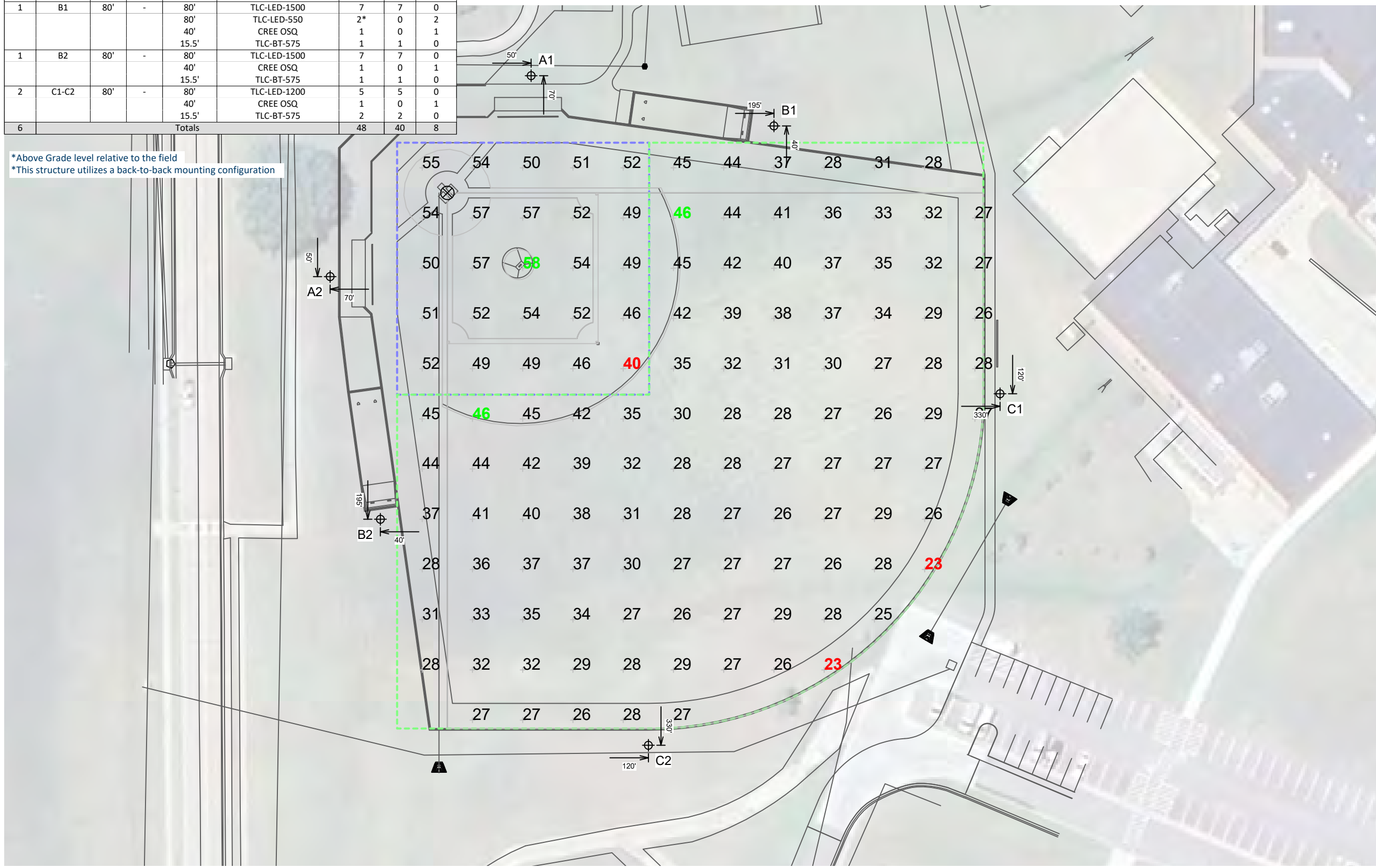


Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	70'	TLC-LED-1200	4	4	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B1	80'	-	80'	TLC-LED-1500	7	7	0
				80'	TLC-LED-550	2*	0	2
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B2	80'	-	80'	TLC-LED-1500	7	7	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
				80'	TLC-LED-1200	5	5	0
2	C1-C2	80'	-	40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
				Totals			48	40

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



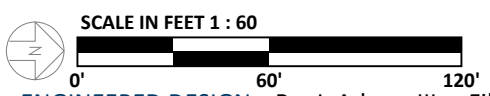
Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Varsity Baseball
Size:	Irregular 320'/370'/320'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

	MAINTAINED HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average:	50	30
Scan Average:	51.46	32.26
Maximum:	57.8	46.5
Minimum:	40.2	22.8
Avg/Min:	1.28	1.42
Guaranteed Max/Min:	2	2
Max/Min:	1.44	2.04
UG (adjacent pts):	1.15	1.33
CU:	0.72	
No. of Points:	25	103
LUMINAIRE INFORMATION		
Applied Circuits:	A	
No. of Luminaires:	40	
Total Load:	45.40 kW	

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: J. Adams III • File #204863B • 24-Mar-25

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



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	70'	TLC-LED-1200	4	4	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B1	80'	-	80'	TLC-LED-1500	7	7	0
				80'	TLC-LED-550	2*	0	2
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B2	80'	-	80'	TLC-LED-1500	7	7	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
2	C1-C2	80'	-	80'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
6	Totals					48	40	8

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Varsity Baseball - 1st Base Bullpen
Size:	Irregular 320'/370'/320'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

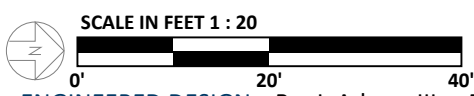
Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Scan Average:	31.04
Maximum:	37.1
Minimum:	25.3
Avg/Min:	1.23
Max/Min:	1.47
UG (adjacent pts):	1.39
CU:	0.01
No. of Points:	14
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	40
Total Load:	45.40 kW

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.



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



Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	70'	TLC-LED-1200	4	4	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B1	80'	-	80'	TLC-LED-1500	7	7	0
				80'	TLC-LED-550	2*	0	2
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B2	80'	-	80'	TLC-LED-1500	7	7	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
2	C1-C2	80'	-	80'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
6	Totals					48	40	8

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Varsity Baseball - 3rd Base Bullpen
Size:	Irregular 320'/370'/320'
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

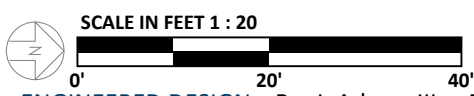
Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Scan Average:	31.57
Maximum:	38.5
Minimum:	26.4
Avg/Min:	1.19
Max/Min:	1.46
UG (adjacent pts):	1.42
CU:	0.01
No. of Points:	14
LUMINAIRE INFORMATION	
Applied Circuits:	A
No. of Luminaires:	40
Total Load:	45.40 kW

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: J. Adams III • File #204863B • 24-Mar-25

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



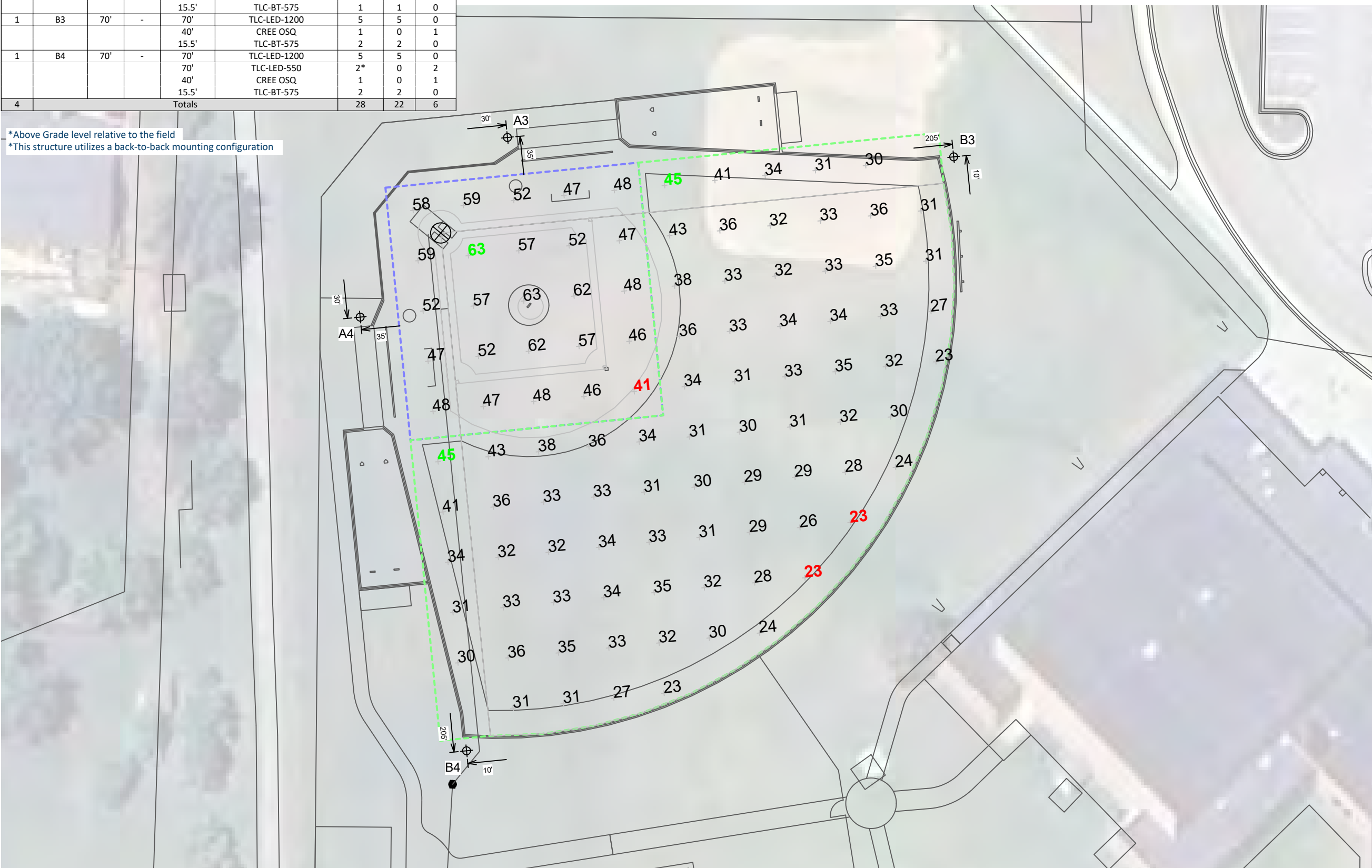
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B3	70'	-	70'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1200	5	5	0
1	B4	70'	-	70'	TLC-LED-550	2*	0	2
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
				Totals		28	22	6

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Varsity Softball
Size:	200'/210'/200' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

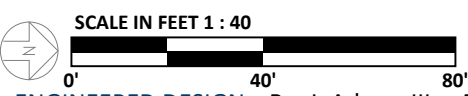
	MAINTAINED HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average:	50	30
Scan Average:	52.79	32.48
Maximum:	63.2	45.3
Minimum:	41.3	22.7
Avg/Min:	1.28	1.43
Guaranteed Max/Min:	2	2.5
Max/Min:	1.53	1.99
UG (adjacent pts):	1.31	1.37
CU:	0.61	
No. of Points:	25	77
LUMINAIRE INFORMATION		
Applied Circuits:	B	
No. of Luminaires:	22	
Total Load:	21.01 kW	

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: J. Adams III • File #204863B • 24-Mar-25

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



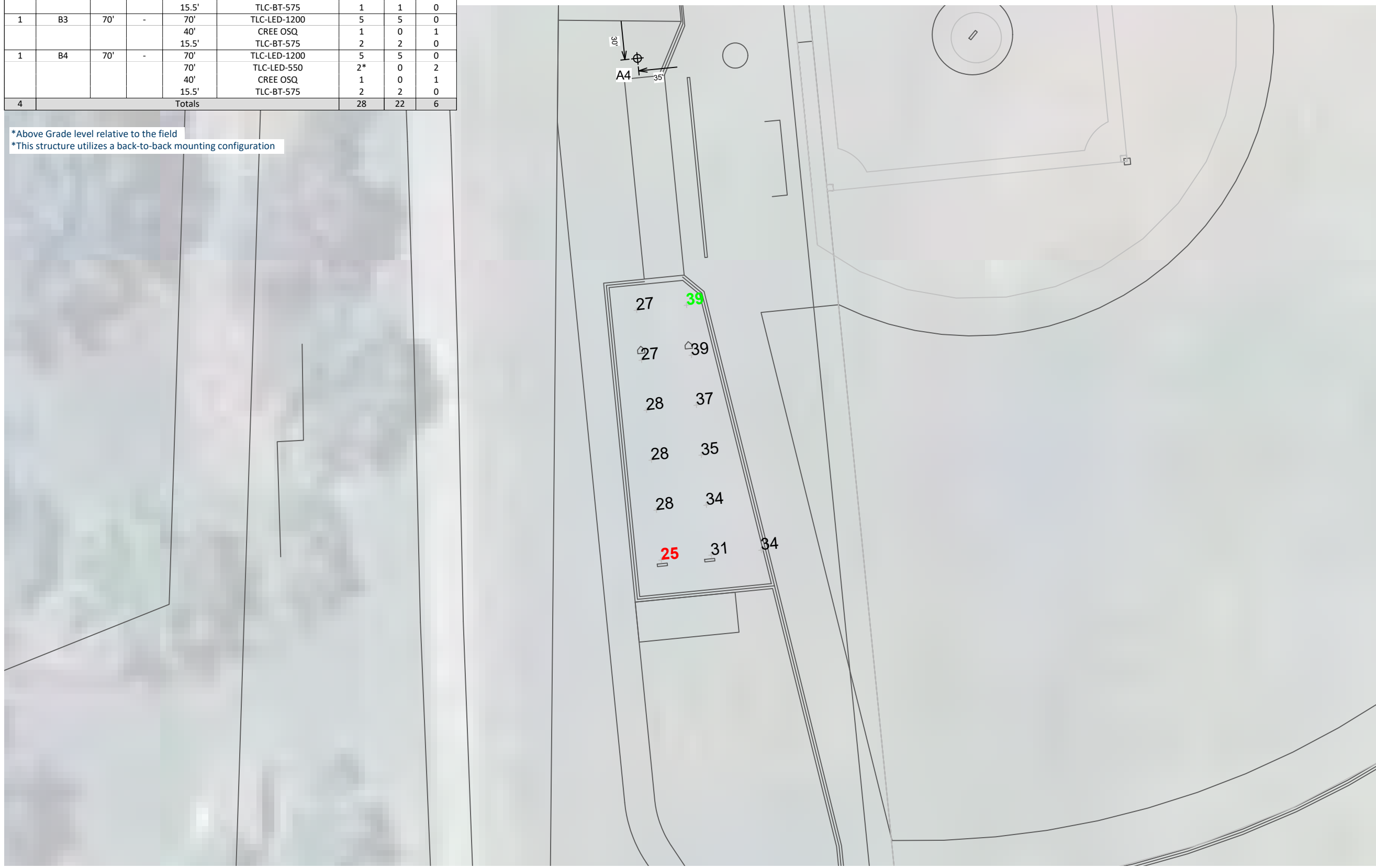
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B3	70'	-	70'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1200	5	5	0
1	B4	70'	-	70'	TLC-LED-550	2*	0	2
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
				Totals			28	22

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary

Name: Varsity Softball - 1st Base Bullpen
 Size: 200'/210'/200' - basepath 60'
 Spacing: 10.0' x 10.0'
 Height: 3.0' above grade

Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES	
Scan Average:	31.69
Maximum:	39.4
Minimum:	25.2
Avg/Min:	1.26
Max/Min:	1.56
UG (adjacent pts):	1.49
CU:	0.02
No. of Points:	13
LUMINAIRE INFORMATION	
Applied Circuits:	B
No. of Luminaires:	22
Total Load:	21.01 kW

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

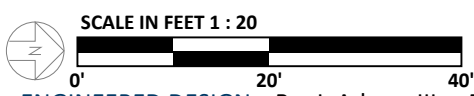
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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.



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.



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

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B3	70'	-	70'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
1	B4	70'	-	70'	TLC-LED-1200	5	5	0
				70'	TLC-LED-550	2*	0	2
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
4	Totals					28	22	6

*Above Grade level relative to the field
 =*This structure utilizes a back-to-back mounting configuration

Louisburg High School Baseball Softball

Louisburg, KS

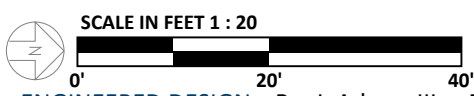
Grid Summary

Name: Varsity Softball - 3rd Base Bullpen
 Size: 200'/210'/200' - basepath 60'
 Spacing: 10.0' x 10.0'
 Height: 3.0' above grade

Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	31.48
Maximum:	39.4
Minimum:	24.5
Avg/Min:	1.28
Max/Min:	1.61
UG (adjacent pts):	1.48
CU:	0.02
No. of Points:	13
LUMINAIRE INFORMATION	
Applied Circuits:	B
No. of Luminaires:	22
Total Load:	21.01 kW

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: J. Adams III • File #204863B • 24-Mar-25

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



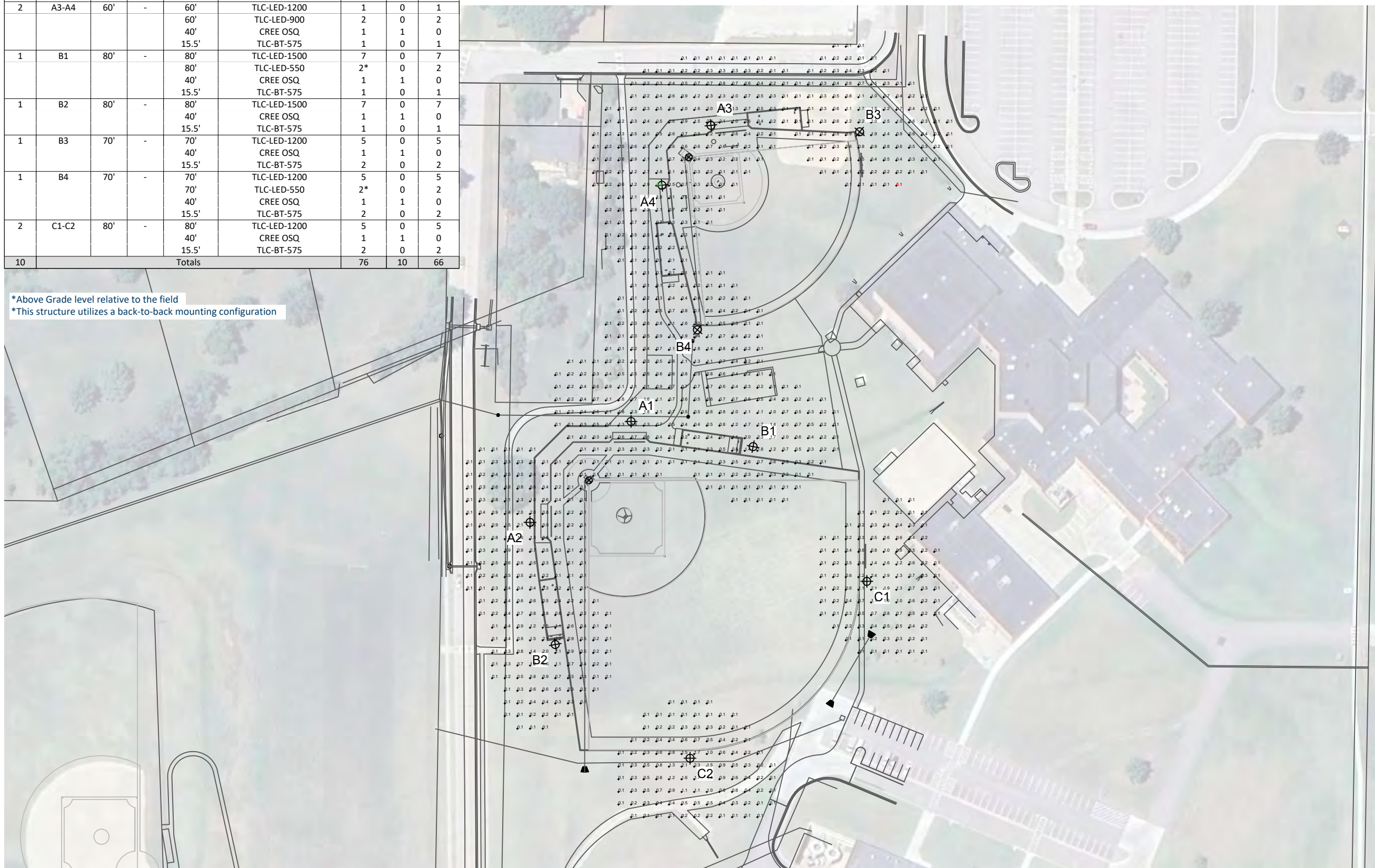
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	70'	TLC-LED-1200	4	0	4
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	0	1
2	A3-A4	60'	-	60'	TLC-LED-1200	1	0	1
				60'	TLC-LED-900	2	0	2
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	0	1
1	B1	80'	-	80'	TLC-LED-1500	7	0	7
				80'	TLC-LED-550	2*	0	2
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	0	1
1	B2	80'	-	80'	TLC-LED-1500	7	0	7
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	0	1
				70'	TLC-LED-1200	5	0	5
1	B3	70'	-	70'	TLC-LED-1200	5	0	5
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	2	0	2
				70'	TLC-LED-550	2*	0	2
1	B4	70'	-	70'	TLC-LED-1200	5	0	5
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	2	0	2
				80'	TLC-LED-1200	5	0	5
2	C1-C2	80'	-	80'	TLC-LED-1200	5	0	5
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	2	0	2
10	Totals					76	10	66

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Security (Varsity Fields)
Spacing:	15.0' x 15.0'
Height:	3.0' above grade

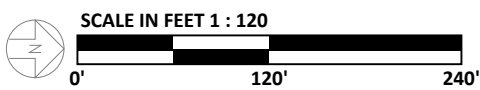
Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.48
Maximum:	2.5
Minimum:	0.1
Avg/Min:	9.51
Max/Min:	49.68
UG (adjacent pts):	4.36
CU:	0.97
No. of Points:	1020
LUMINAIRE INFORMATION	
Applied Circuits:	D
No. of Luminaires:	10
Total Load:	1.00 kW

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: J. Adams III • File #204863B • 24-Mar-25

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



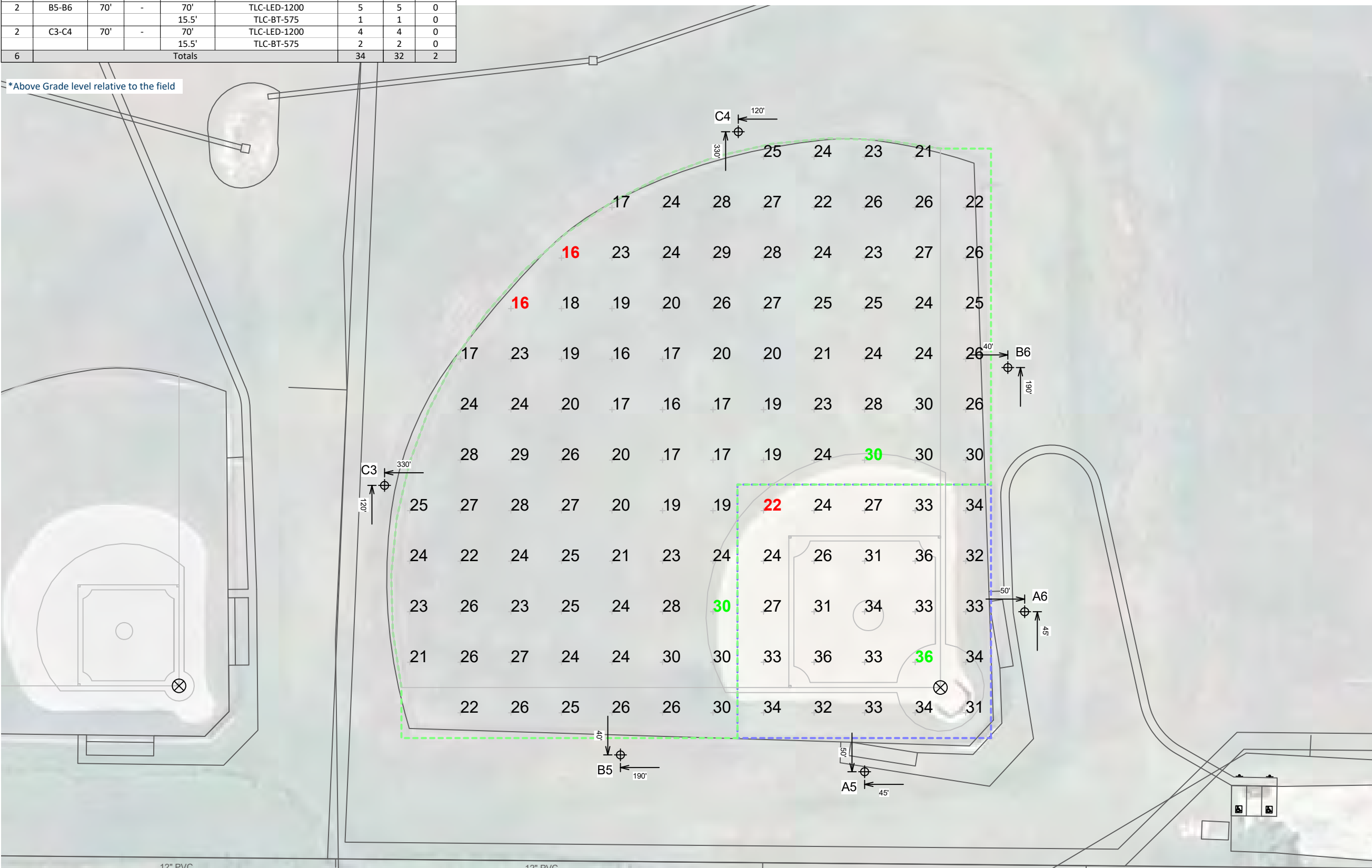
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A5-A6	70'	-	70'	TLC-LED-900	3	3	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
2	B5-B6	70'	-	70'	TLC-LED-1200	5	5	0
				15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	4	4	0
6	C3-C4	70'	-	70'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	2	2	0
Totals						34	32	2

*Above Grade level relative to the field



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	JV Baseball
Size:	320'/350'/320' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

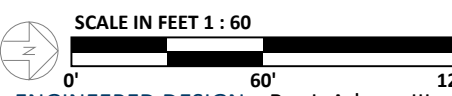
Illumination Summary		
	MAINTAINED HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average:	30	20
Scan Average:	31.42	23.64
Maximum:	35.9	30.1
Minimum:	22.0	16.2
Avg/Min:	1.43	1.46
Guaranteed Max/Min:	2.5	3
Max/Min:	1.63	1.85
UG (adjacent pts):	1.23	1.42
CU:	0.74	
No. of Points:	25	98
LUMINAIRE INFORMATION		
Applied Circuits:	H	
No. of Luminaires:	32	
Total Load:	30.94 kW	

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: J. Adams III • File #204863B • 24-Mar-25

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



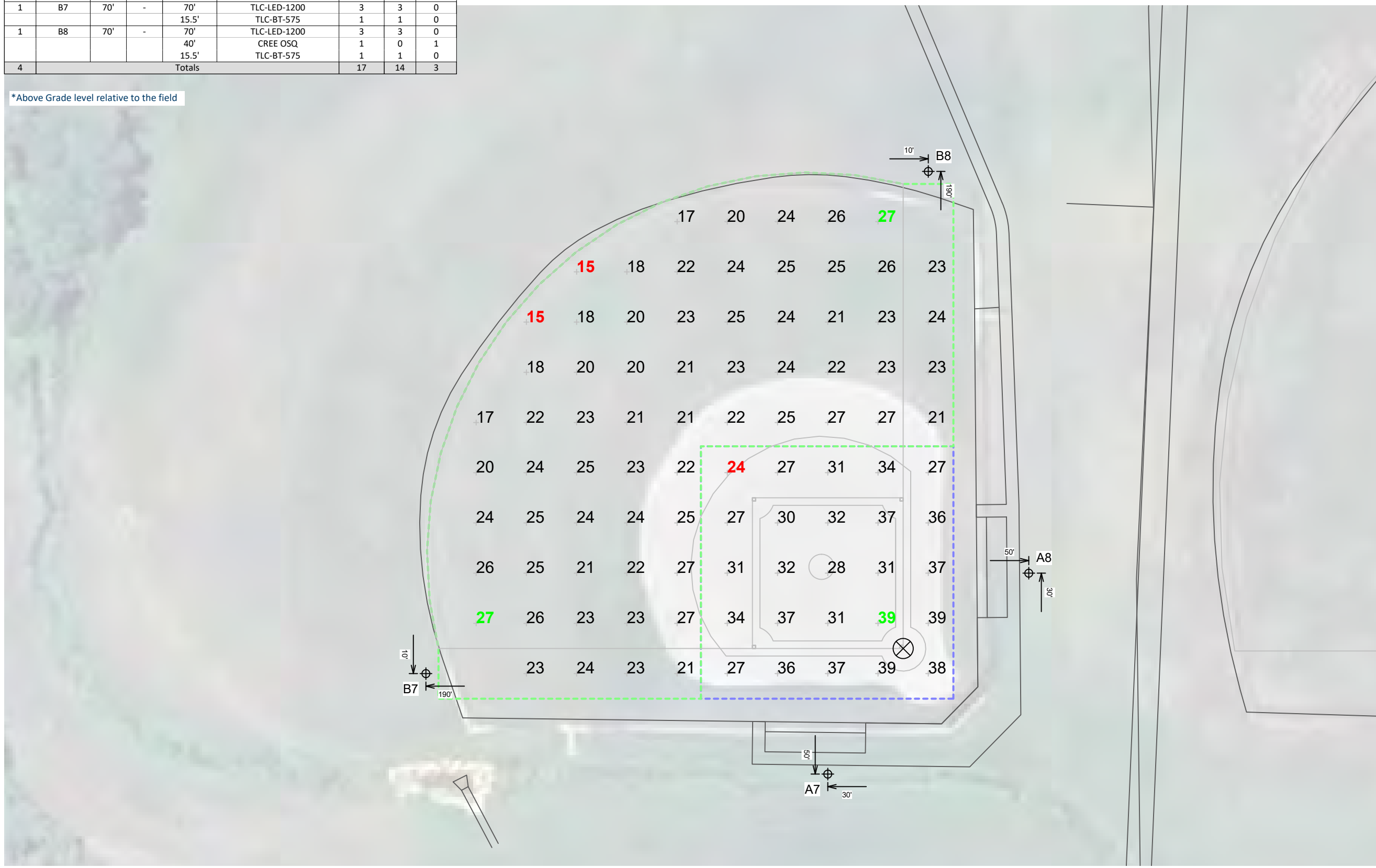
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A7-A8	60'	-	60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B7	70'	-	70'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
				40'	CREE OSQ	1	0	1
1	B8	70'	-	70'	TLC-LED-1200	3	3	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
4	Totals					17	14	3

*Above Grade level relative to the field



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	JV Softball
Size:	185'/205'/185' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

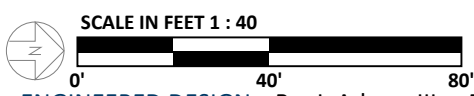
Illumination Summary		
	MAINTAINED HORIZONTAL FOOTCANDLES	
	Infield	Outfield
Guaranteed Average:	30	20
Scan Average:	32.96	22.76
Maximum:	39.0	27.4
Minimum:	23.7	14.7
Avg/Min:	1.39	1.55
Guaranteed Max/Min:	2.5	3
Max/Min:	1.65	1.86
UG (adjacent pts):	1.33	1.32
CU:	0.60	
No. of Points:	25	65
LUMINAIRE INFORMATION		
Applied Circuits:	1	
No. of Luminaires:	14	
Total Load:	12.84 kW	

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: J. Adams III • File #204863B • 24-Mar-25

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



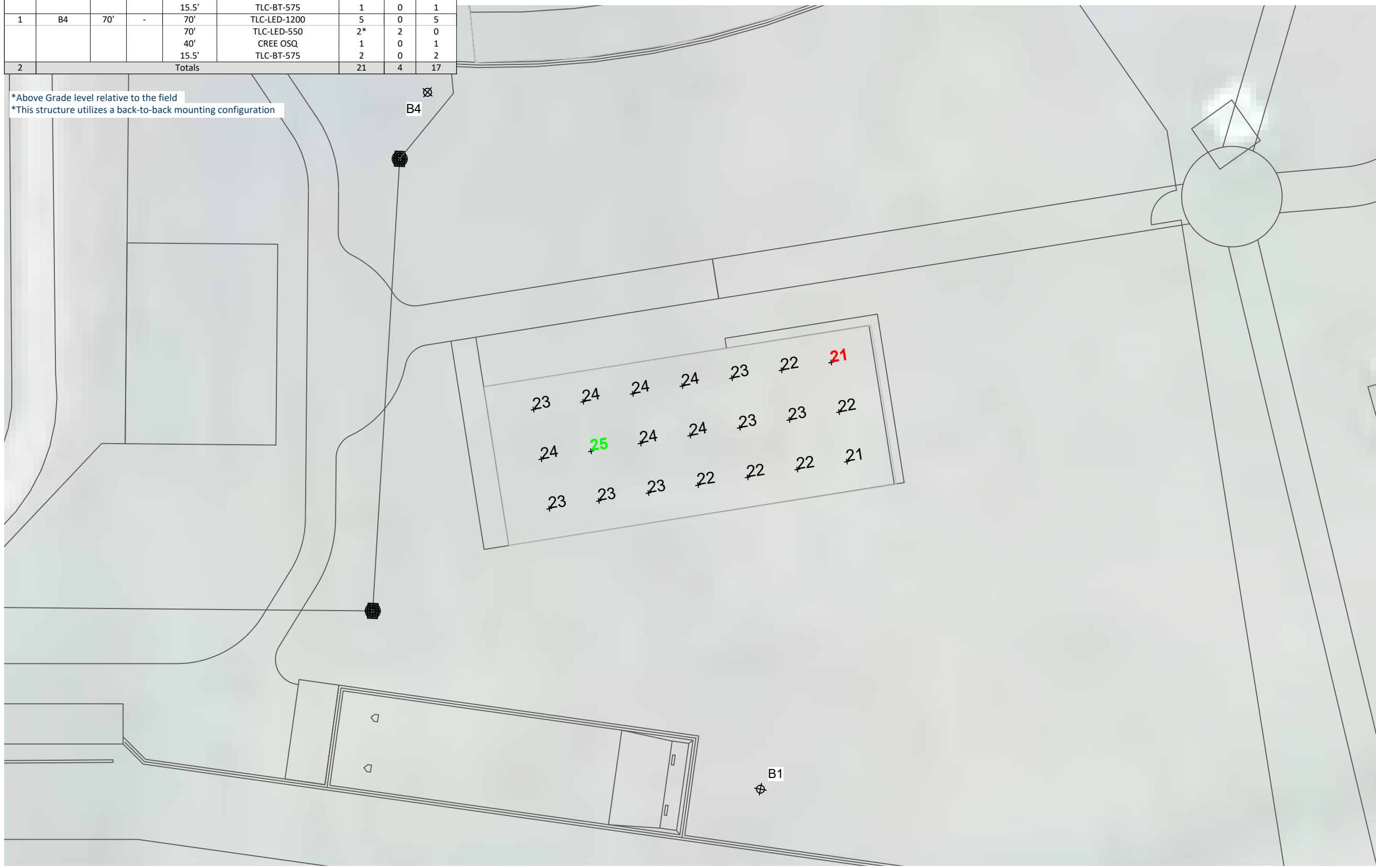
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
1	B1	80'	-	80'	TLC-LED-1500	7	0	7
				80'	TLC-LED-550	2*	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	0	1
1	B4	70'	-	70'	TLC-LED-1200	5	0	5
				70'	TLC-LED-550	2*	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	0	2
2	Totals					21	4	17

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary

Name: Batting Cage
 Spacing: 10.0' x 10.0'
 Height: 3.0' above grade

ILLUMINATION SUMMARY

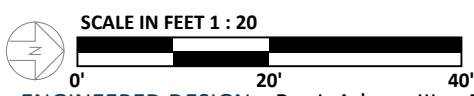
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	22.88
Maximum:	24.5
Minimum:	20.6
Avg/Min:	1.11
Max/Min:	1.19
UG (adjacent pts):	1.07
CU:	0.18
No. of Points:	21
LUMINAIRE INFORMATION	
Applied Circuits:	C
No. of Luminaires:	4
Total Load:	2.16 kW

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: J. Adams III • File #204863B • 24-Mar-25

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

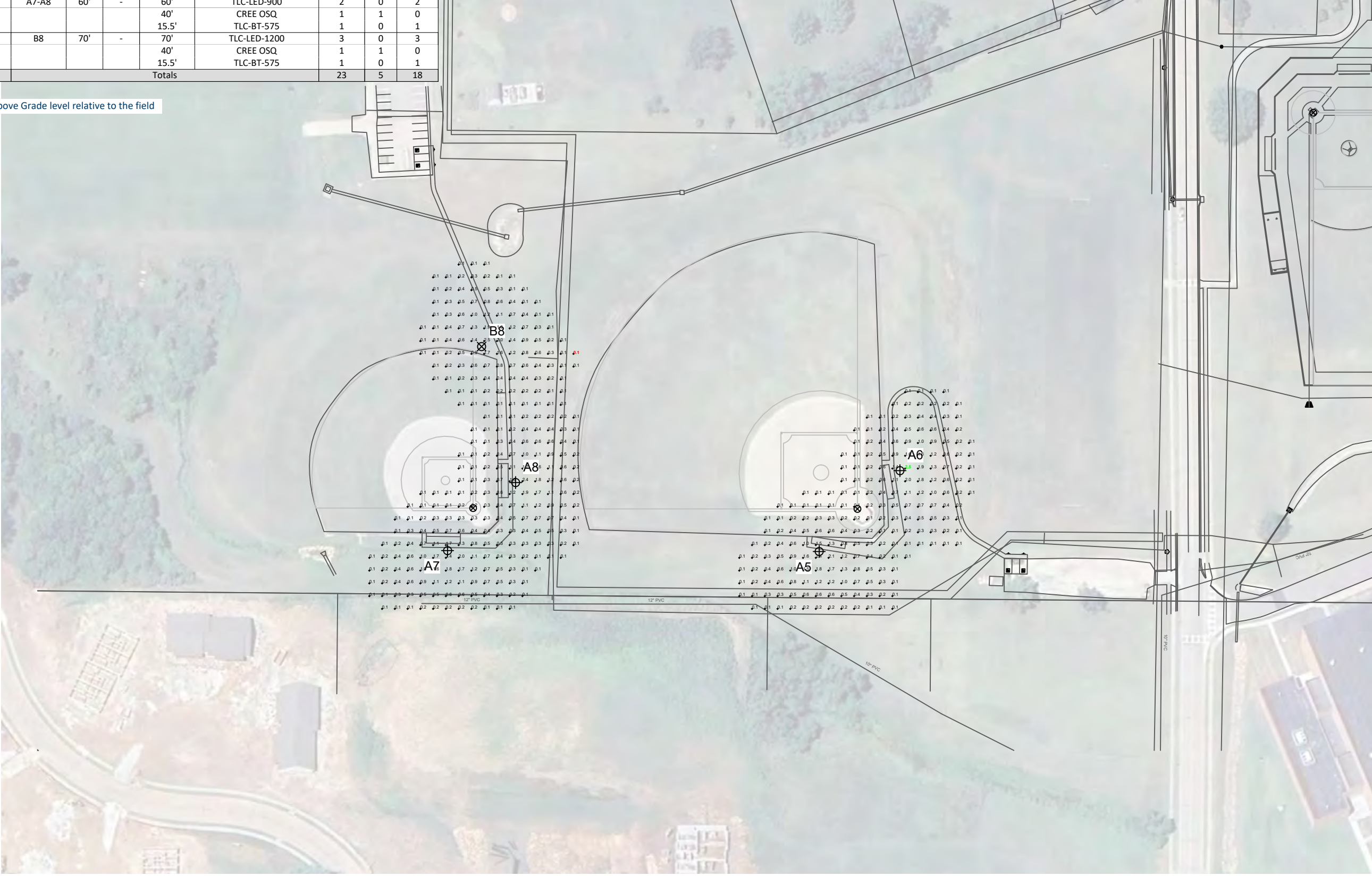


Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A5-A6	70'	-	70'	TLC-LED-900	3	0	3
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	0	1
2	A7-A8	60'	-	60'	TLC-LED-900	2	0	2
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	0	1
1	B8	70'	-	70'	TLC-LED-1200	3	0	3
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	0	1
5	Totals					23	5	18

*Above Grade level relative to the field



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Security (JV Fields)
Spacing:	15.0' x 15.0'
Height:	3.0' above grade

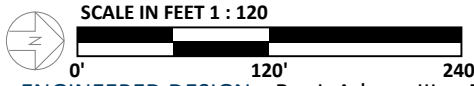
Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average:	0.46
Maximum:	2.5
Minimum:	0.1
Avg/Min:	9.22
Max/Min:	49.22
UG (adjacent pts):	4.28
CU:	0.96
No. of Points:	524
LUMINAIRE INFORMATION	
Applied Circuits:	J
No. of Luminaires:	5
Total Load:	0.50 kW

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: J. Adams III • File #204863B • 24-Mar-25

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



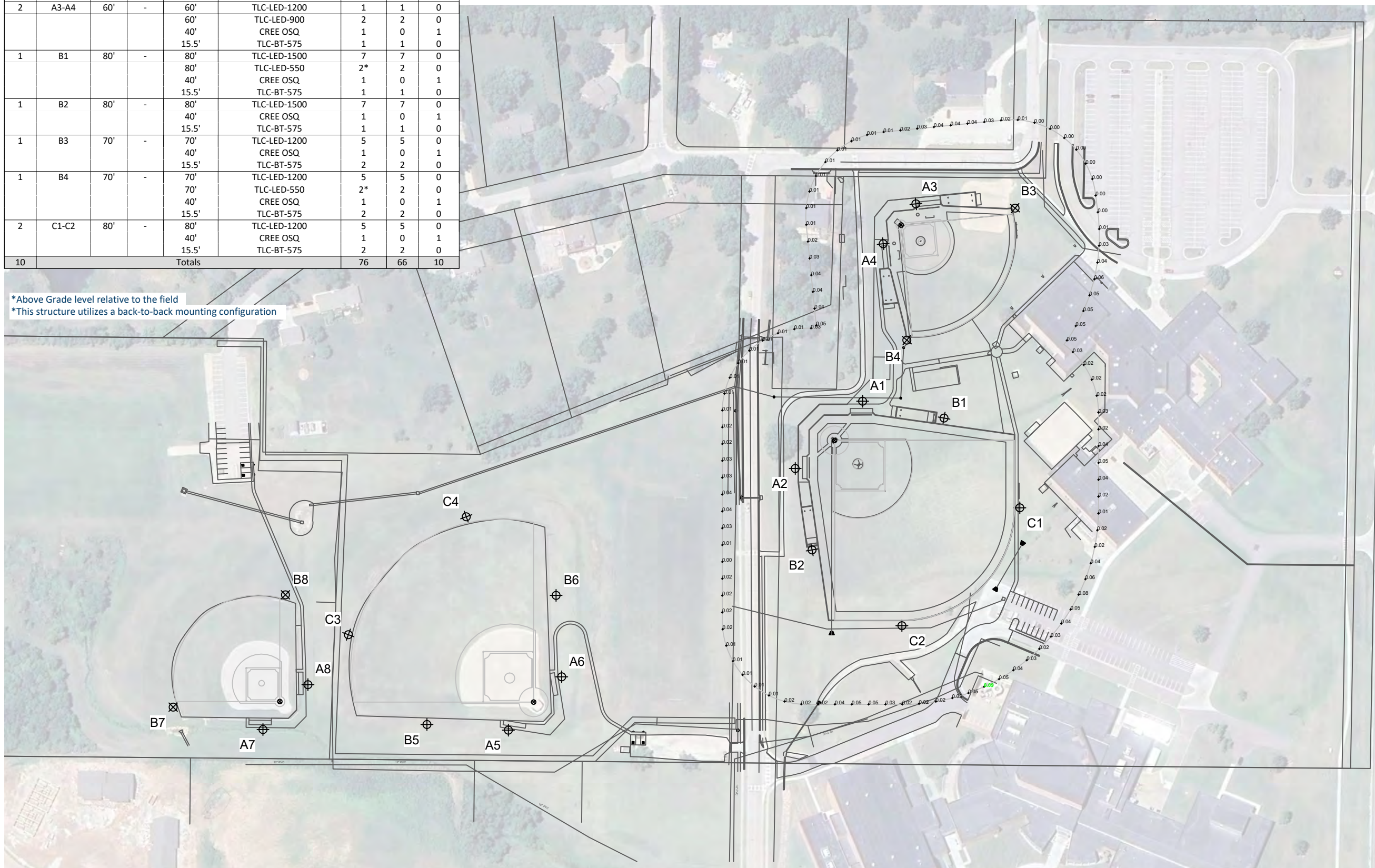
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	70'	TLC-LED-1200	4	4	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B1	80'	-	80'	TLC-LED-1500	7	7	0
				80'	TLC-LED-550	2*	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B2	80'	-	80'	TLC-LED-1500	7	7	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B3	70'	-	70'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
1	B4	70'	-	70'	TLC-LED-1200	5	5	0
				70'	TLC-LED-550	2*	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
2	C1-C2	80'	-	80'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
10	Totals					76	66	10

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Varsity Baseball/Softball 150' Spill @ 3ft.
Spacing:	30.0'
Height:	3.0' above grade

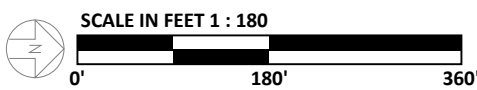
Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.0248
Maximum:	0.086
Minimum:	0.000
CU:	0.00
No. of Points:	102
LUMINAIRE INFORMATION	
Applied Circuits:	A,B,C
No. of Luminaires:	66
Total Load:	68.57 kW

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.



ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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



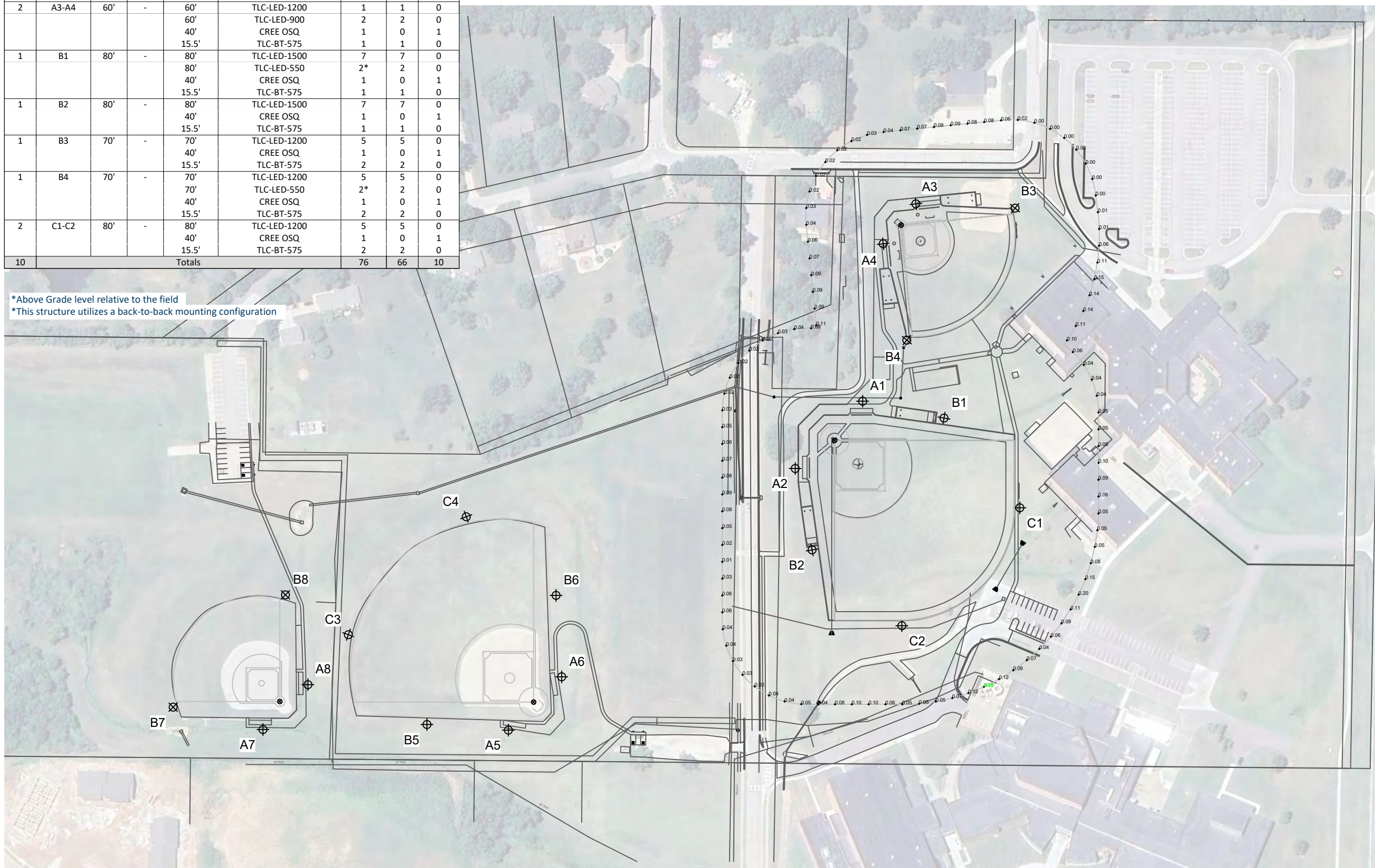
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	70'	TLC-LED-1200	4	4	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B1	80'	-	80'	TLC-LED-1500	7	7	0
				80'	TLC-LED-550	2*	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B2	80'	-	80'	TLC-LED-1500	7	7	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B3	70'	-	70'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
1	B4	70'	-	70'	TLC-LED-1200	5	5	0
				70'	TLC-LED-550	2*	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
2	C1-C2	80'	-	80'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
10	Totals					76	66	10

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Varsity Baseball/Softball 150' Spill @ 5ft.
Spacing:	30.0'
Height:	5.0' above grade

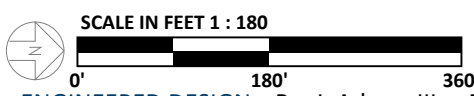
Illumination Summary	
INITIAL MAX VERTICAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.0597
Maximum:	0.201
Minimum:	0.000
CU:	0.00
No. of Points:	102
LUMINAIRE INFORMATION	
Applied Circuits:	A,B,C
No. of Luminaires:	66
Total Load:	68.57 kW

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.



ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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



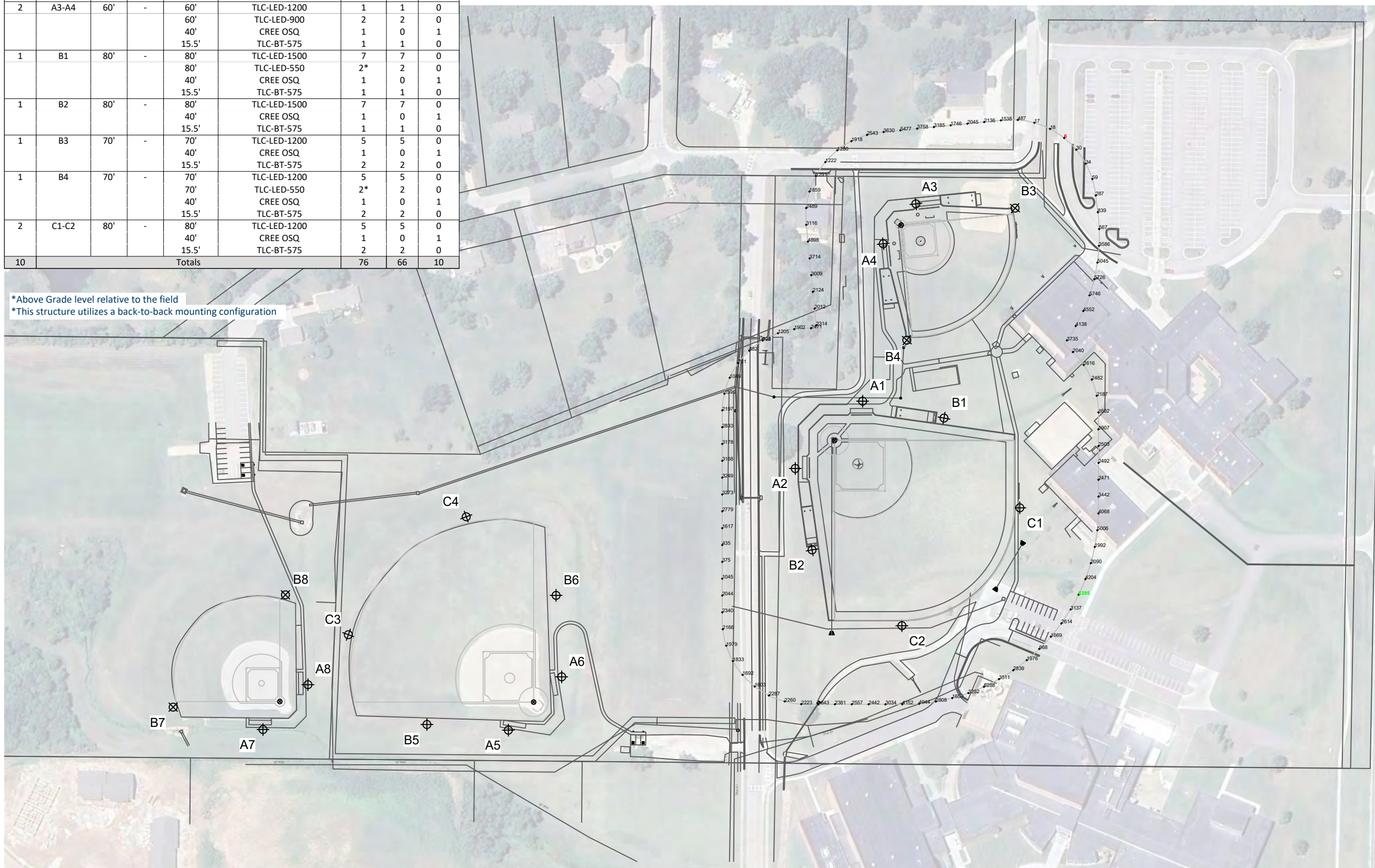
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	70'	TLC-LED-1200	4	4	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B1	80'	-	80'	TLC-LED-1500	7	7	0
				80'	TLC-LED-550	2*	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	1	1	0
1	B2	80'	-	80'	TLC-LED-1500	7	7	0
				40'	CREE OSQ	1	0	1
				40'	TLC-BT-575	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B3	70'	-	70'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				40'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
1	B4	70'	-	70'	TLC-LED-1200	5	5	0
				70'	TLC-LED-550	2*	2	0
				40'	CREE OSQ	1	0	1
				15.5'	TLC-BT-575	2	2	0
2	C1-C2	80'	-	80'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	0	1
				40'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
10	Totals					76	66	10

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Varsity Baseball/Softball 150' Glare @ 5ft.
Spacing:	30.0'
Height:	5.0' above grade

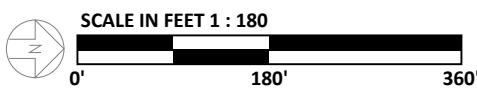
Illumination Summary	
	INITIAL CANDELA (PER LIGHTBANK)
	Entire Grid
Scan Average:	2406.5935
Maximum:	6394.747
Minimum:	5.538
CU:	0.00
No. of Points:	102
LUMINAIRE INFORMATION	
Applied Circuits:	A,B,C
No. of Luminaires:	66
Total Load:	68.57 kW

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.



ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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



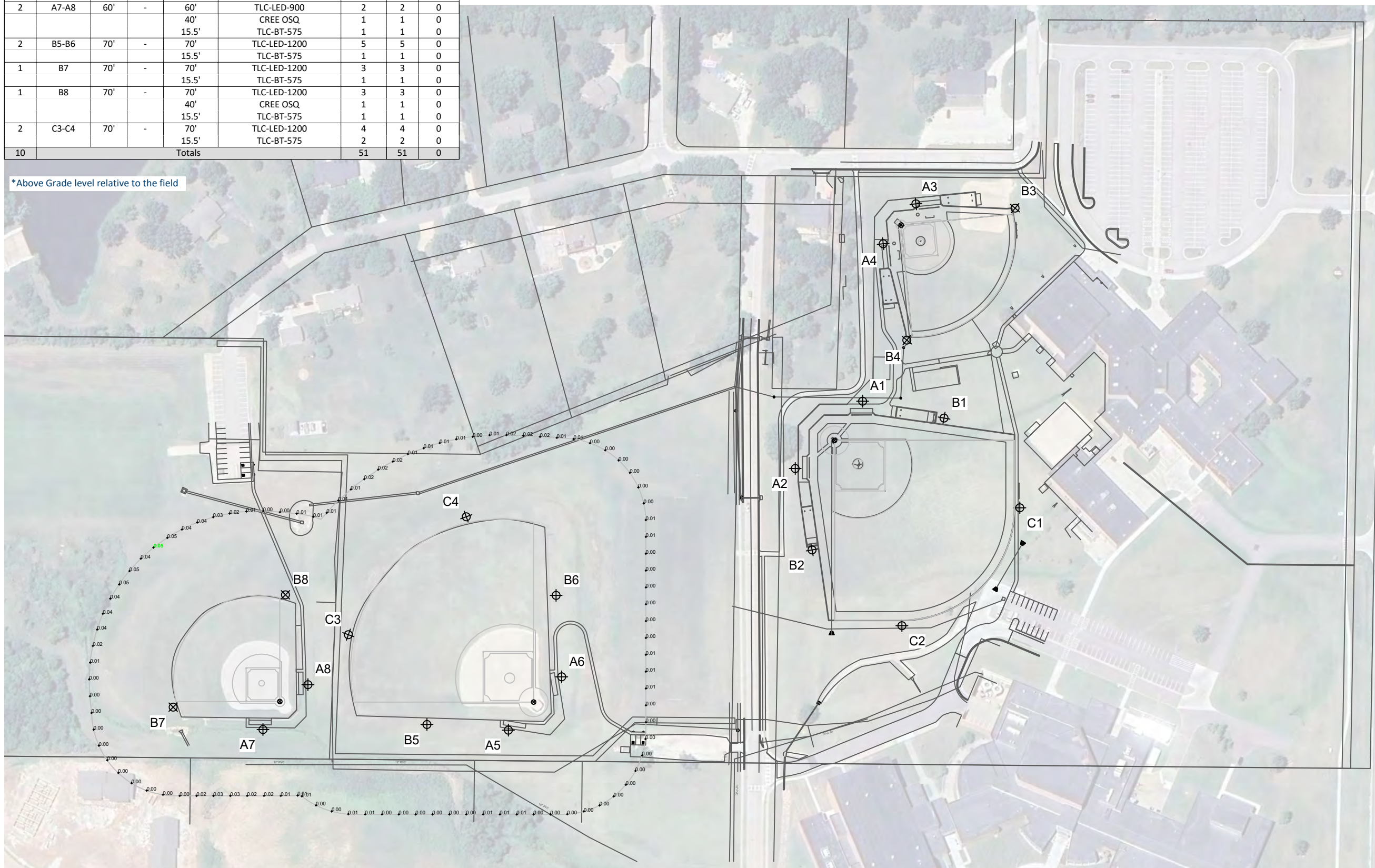
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A5-A6	70'	-	70'	TLC-LED-900	3	3	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	A7-A8	60'	-	60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	B5-B6	70'	-	70'	TLC-LED-1200	5	5	0
				15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	3	3	0
1	B7	70'	-	70'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
				40'	CREE OSQ	1	1	0
1	B8	70'	-	70'	TLC-LED-1200	3	3	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	C3-C4	70'	-	70'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	2	2	0
				Totals		51	51	0

*Above Grade level relative to the field



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary

Name: JV Baseball/Softball 150' Spill @ 3ft.
 Spacing: 30.0'
 Height: 3.0' above grade

Illumination Summary

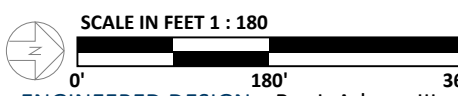
INITIAL HORIZONTAL FOOTCANDLES	
Entire Grid	Scan Average: 0.0108
	Maximum: 0.049
	Minimum: 0.000
	CU: 0.00
	No. of Points: 97
LUMINAIRE INFORMATION	
Applied Circuits:	H,I,J
No. of Luminaires:	51
Total Load:	44.28 kW

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.



ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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



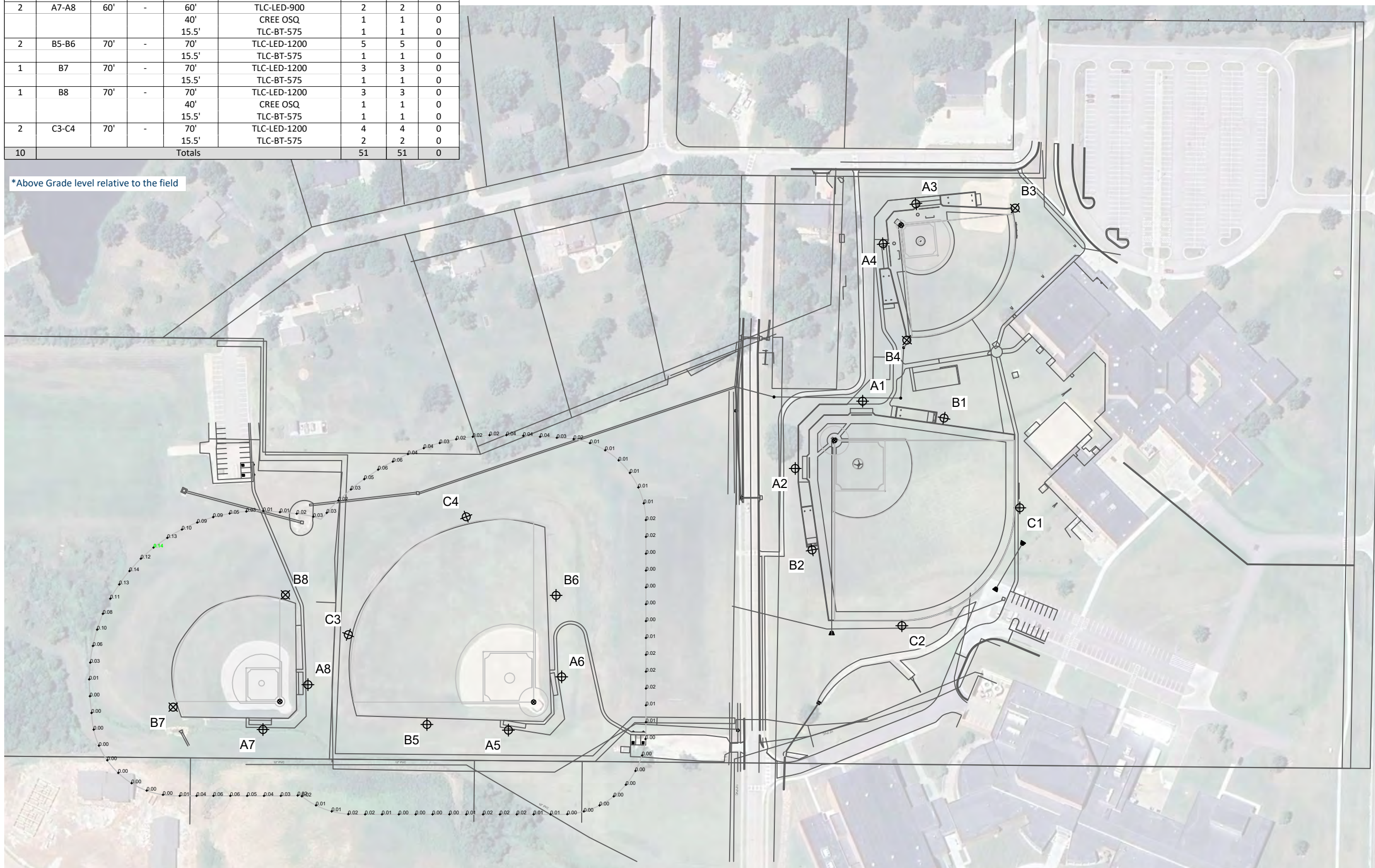
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A5-A6	70'	-	70'	TLC-LED-900	3	3	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	A7-A8	60'	-	60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	B5-B6	70'	-	70'	TLC-LED-1200	5	5	0
				15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	3	3	0
1	B7	70'	-	70'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
				40'	CREE OSQ	1	1	0
1	B8	70'	-	70'	TLC-LED-1200	3	3	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	C3-C4	70'	-	70'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	2	2	0
				Totals		51	51	0

*Above Grade level relative to the field



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary

Name: JV Baseball/Softball 150' Spill @ 5ft.
 Spacing: 30.0'
 Height: 5.0' above grade

Illumination Summary

INITIAL MAX VERTICAL FOOTCANDLES	
Entire Grid	Scan Average: 0.0284
	Maximum: 0.139
	Minimum: 0.000
	CU: 0.00
	No. of Points: 97
LUMINAIRE INFORMATION	
Applied Circuits:	H,I,J
No. of Luminaires:	51
Total Load:	44.28 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.

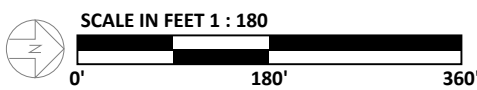
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY



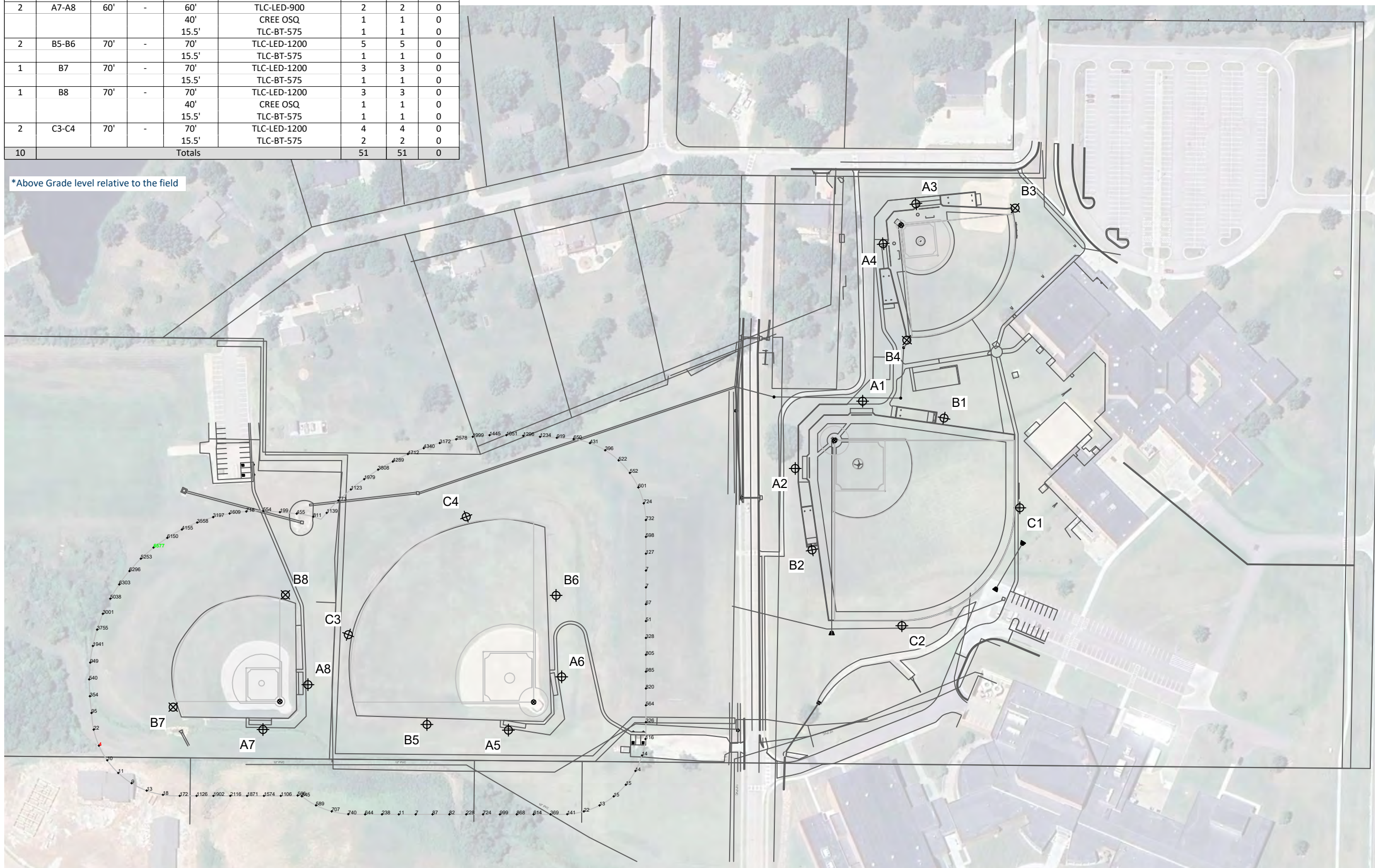
ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A5-A6	70'	-	70'	TLC-LED-900	3	3	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	A7-A8	60'	-	60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	B5-B6	70'	-	70'	TLC-LED-1200	5	5	0
				15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	3	3	0
1	B7	70'	-	70'	TLC-LED-1200	3	3	0
				15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	3	3	0
1	B8	70'	-	70'	TLC-LED-1200	3	3	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	C3-C4	70'	-	70'	TLC-LED-1200	4	4	0
				15.5'	TLC-BT-575	2	2	0
				Totals			51	51

*Above Grade level relative to the field



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary

Name: JV Baseball/Softball 150' Glare @ 5ft.
Spacing: 30.0'
Height: 5.0' above grade

Illumination Summary

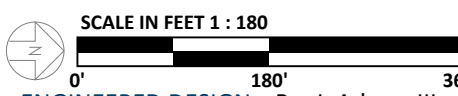
INITIAL CANDELA (PER LIGHTBANK)	
Entire Grid	
Scan Average:	1288.4281
Maximum:	6577.445
Minimum:	3.852
CU:	0.00
No. of Points:	97
LUMINAIRE INFORMATION	
Applied Circuits:	H,I,J
No. of Luminaires:	51
Total Load:	44.28 kW

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.



ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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



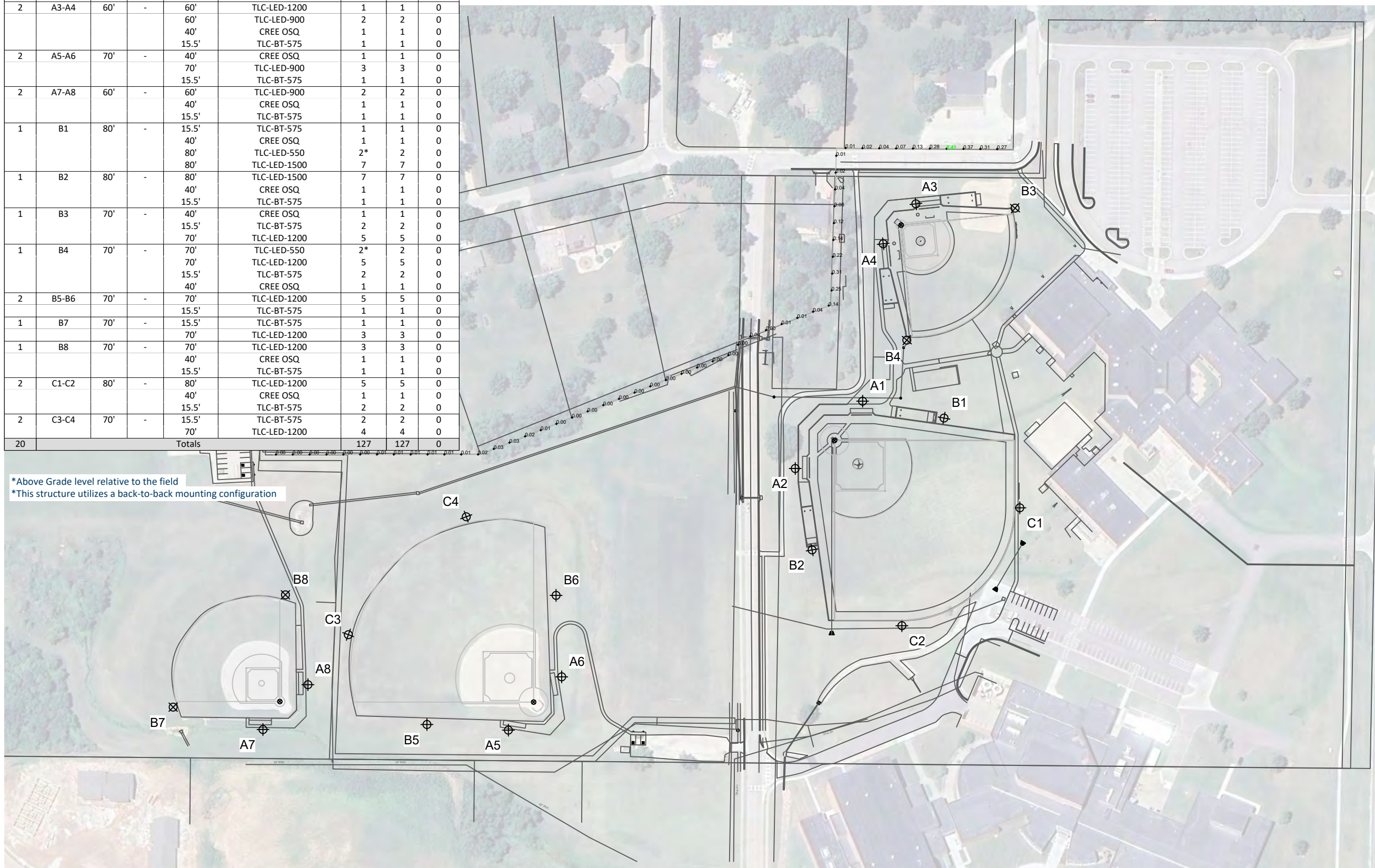
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	70'	TLC-LED-1200	4	4	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	1	0
2	A5-A6	70'	-	40'	CREE OSQ	1	1	0
				70'	TLC-LED-900	3	3	0
				15.5'	TLC-BT-575	1	1	0
2	A7-A8	60'	-	60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B1	80'	-	15.5'	TLC-BT-575	1	1	0
				40'	CREE OSQ	1	1	0
				80'	TLC-LED-550	2*	2	0
				80'	TLC-LED-1500	7	7	0
1	B2	80'	-	80'	TLC-LED-1500	7	7	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B3	70'	-	40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1200	5	5	0
1	B4	70'	-	70'	TLC-LED-550	2*	2	0
				70'	TLC-LED-1200	5	5	0
				15.5'	TLC-BT-575	2	2	0
				40'	CREE OSQ	1	1	0
2	B5-B6	70'	-	70'	TLC-LED-1200	5	5	0
				15.5'	TLC-BT-575	1	1	0
1	B7	70'	-	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	3	3	0
1	B8	70'	-	70'	TLC-LED-1200	3	3	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	C1-C2	80'	-	80'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	1	0
2	C3-C4	70'	-	15.5'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1200	4	4	0
20	Totals					127	127	0

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Residential Property Line Spill @ 3ft.
Spacing:	30.0'
Height:	3.0' above grade

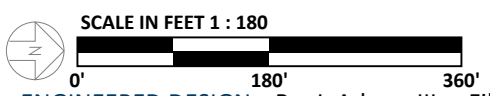
Illumination Summary	
INITIAL HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.0638
Maximum:	0.413
Minimum:	0.000
CU:	0.00
No. of Points:	55
LUMINAIRE INFORMATION	
Applied Circuits:	A,B,C,D,H,I,J
No. of Luminaires:	127
Total Load:	113.85 kW

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.



ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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



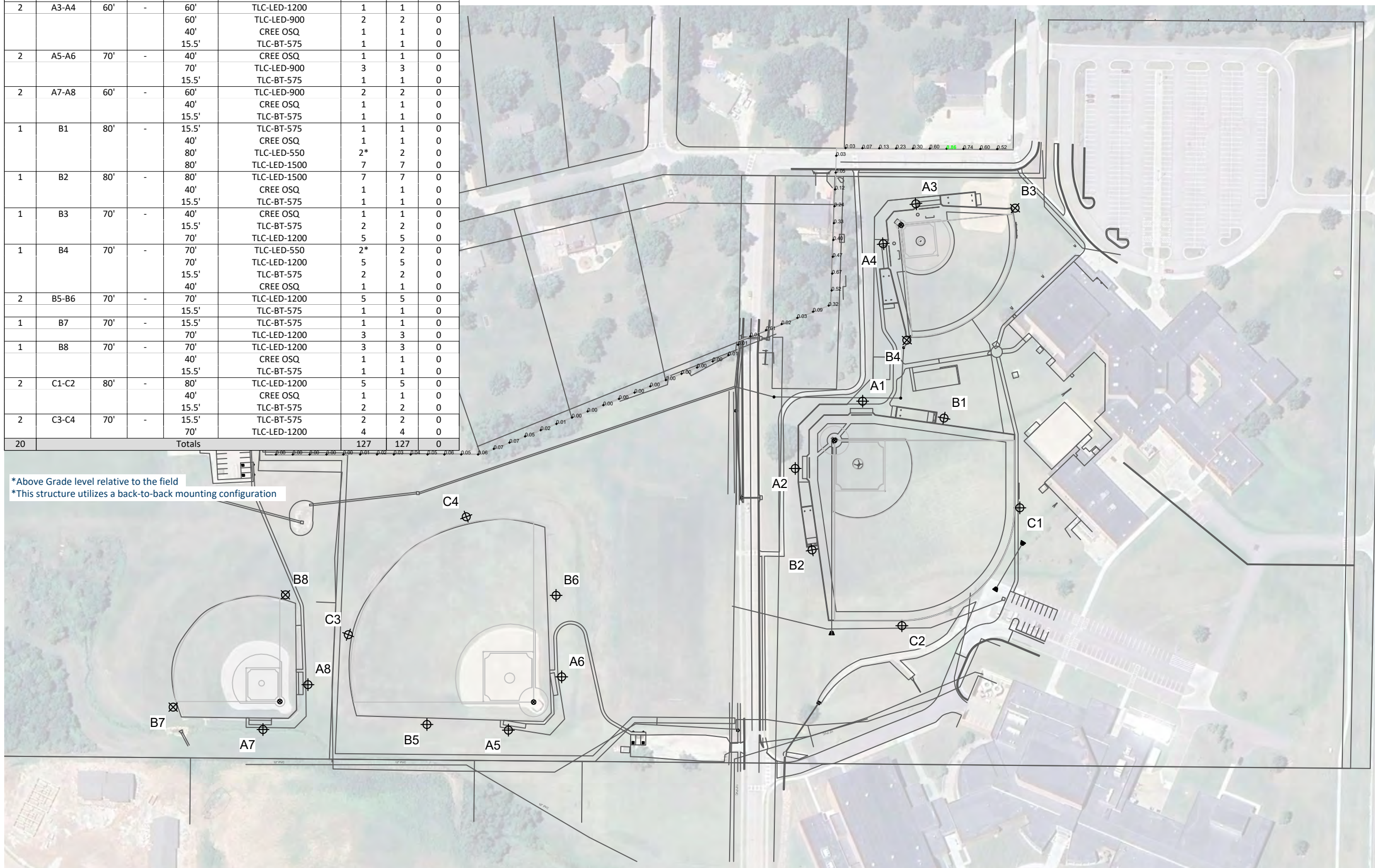
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	70'	TLC-LED-1200	4	4	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	1	0
2	A5-A6	70'	-	40'	CREE OSQ	1	1	0
				70'	TLC-LED-900	3	3	0
				15.5'	TLC-BT-575	1	1	0
2	A7-A8	60'	-	60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B1	80'	-	15.5'	TLC-BT-575	1	1	0
				40'	CREE OSQ	1	1	0
				80'	TLC-LED-550	2*	2	0
				80'	TLC-LED-1500	7	7	0
1	B2	80'	-	80'	TLC-LED-1500	7	7	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B3	70'	-	40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1200	5	5	0
1	B4	70'	-	70'	TLC-LED-550	2*	2	0
				70'	TLC-LED-1200	5	5	0
				15.5'	TLC-BT-575	2	2	0
				40'	CREE OSQ	1	1	0
2	B5-B6	70'	-	70'	TLC-LED-1200	5	5	0
				15.5'	TLC-BT-575	1	1	0
1	B7	70'	-	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	3	3	0
1	B8	70'	-	70'	TLC-LED-1200	3	3	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	C1-C2	80'	-	80'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	1	0
2	C3-C4	70'	-	15.5'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1200	4	4	0
20	Totals					127	127	0

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



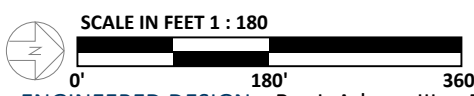
Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Residential Property Line Spill @ 5ft.
Spacing:	30.0'
Height:	5.0' above grade

Illumination Summary	
	INITIAL MAX VERTICAL FOOTCANDLES
	Entire Grid
Scan Average:	0.1448
Maximum:	0.860
Minimum:	0.000
CU:	0.00
No. of Points:	55
LUMINAIRE INFORMATION	
Applied Circuits:	A,B,C,D,H,I,J
No. of Luminaires:	127
Total Load:	113.85 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.



ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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



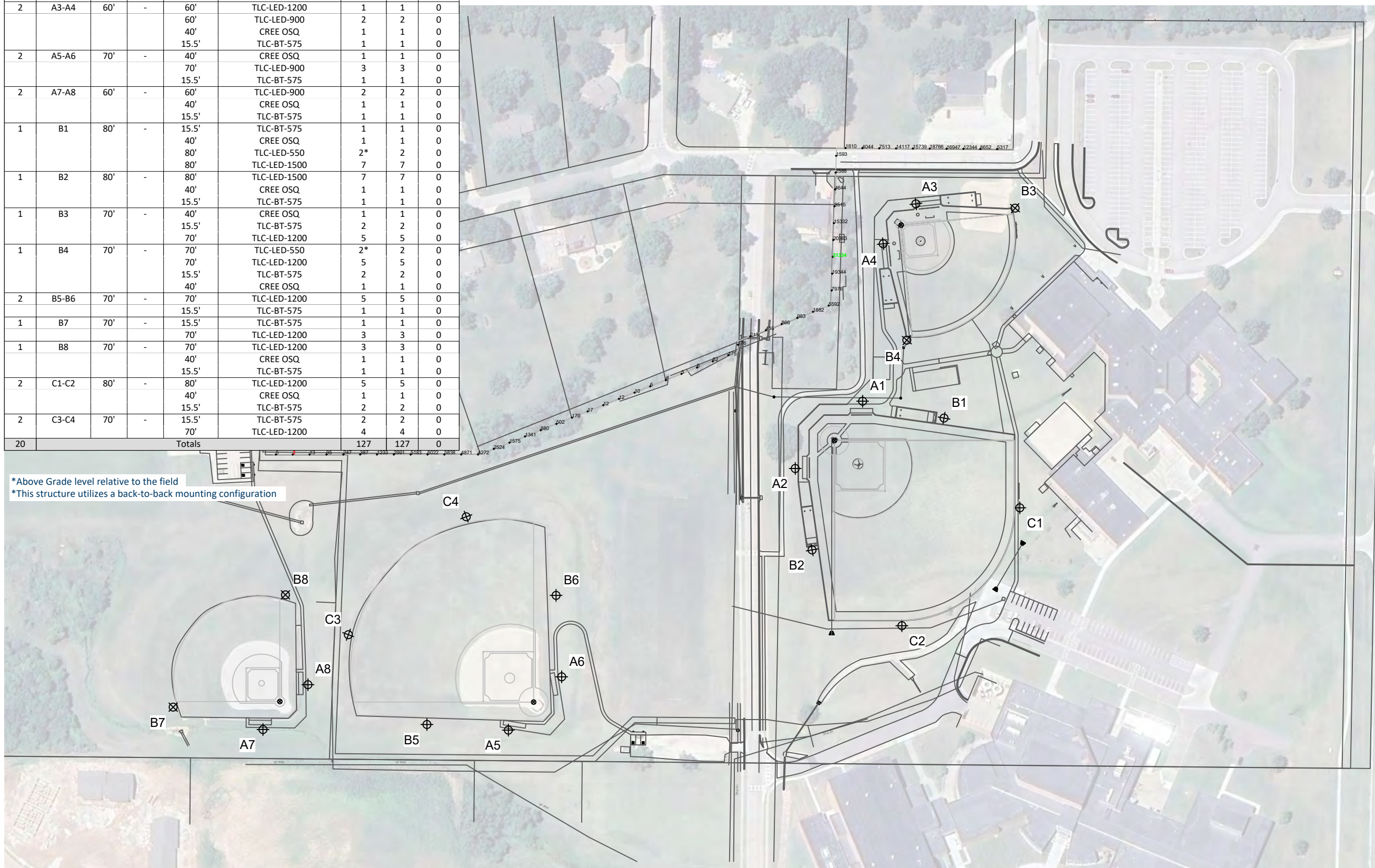
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Equipment List For Areas Shown

Pole				Luminaires				
QTY	LOCATION	SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	A1-A2	70'	-	70'	TLC-LED-1200	4	4	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	A3-A4	60'	-	60'	TLC-LED-1200	1	1	0
				60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	1	0
2	A5-A6	70'	-	40'	CREE OSQ	1	1	0
				70'	TLC-LED-900	3	3	0
				15.5'	TLC-BT-575	1	1	0
2	A7-A8	60'	-	60'	TLC-LED-900	2	2	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B1	80'	-	15.5'	TLC-BT-575	1	1	0
				40'	CREE OSQ	1	1	0
				80'	TLC-LED-550	2*	2	0
				80'	TLC-LED-1500	7	7	0
1	B2	80'	-	80'	TLC-LED-1500	7	7	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
1	B3	70'	-	40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1200	5	5	0
1	B4	70'	-	70'	TLC-LED-550	2*	2	0
				70'	TLC-LED-1200	5	5	0
				15.5'	TLC-BT-575	2	2	0
				40'	CREE OSQ	1	1	0
2	B5-B6	70'	-	70'	TLC-LED-1200	5	5	0
				15.5'	TLC-BT-575	1	1	0
1	B7	70'	-	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	3	3	0
1	B8	70'	-	70'	TLC-LED-1200	3	3	0
				40'	CREE OSQ	1	1	0
				15.5'	TLC-BT-575	1	1	0
2	C1-C2	80'	-	80'	TLC-LED-1200	5	5	0
				40'	CREE OSQ	1	1	0
2	C3-C4	70'	-	15.5'	TLC-BT-575	2	2	0
				15.5'	TLC-BT-575	2	2	0
				70'	TLC-LED-1200	4	4	0
20	Totals					127	127	0

*Above Grade level relative to the field
 *This structure utilizes a back-to-back mounting configuration



Louisburg High School Baseball Softball

Louisburg, KS

Grid Summary	
Name:	Residential Property Line Glare @ 5ft.
Spacing:	30.0'
Height:	5.0' above grade

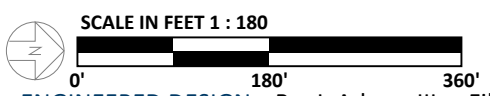
Illumination Summary	
	INITIAL CANDELA (PER LIGHTBANK)
	Entire Grid
Scan Average:	4645.9292
Maximum:	21333.736
Minimum:	2.188
CU:	0.00
No. of Points:	55
LUMINAIRE INFORMATION	
Applied Circuits:	A,B,C,D,H,I,J
No. of Luminaires:	127
Total Load:	113.85 kW

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.



ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

ILLUMINATION SUMMARY

Louisburg High School Baseball Softball

Louisburg, KS

Equipment Layout

INCLUDES:

- JV Baseball
- JV Softball
- Varsity Baseball
- Varsity Softball

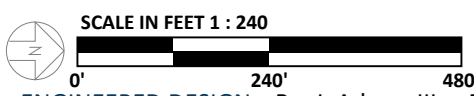
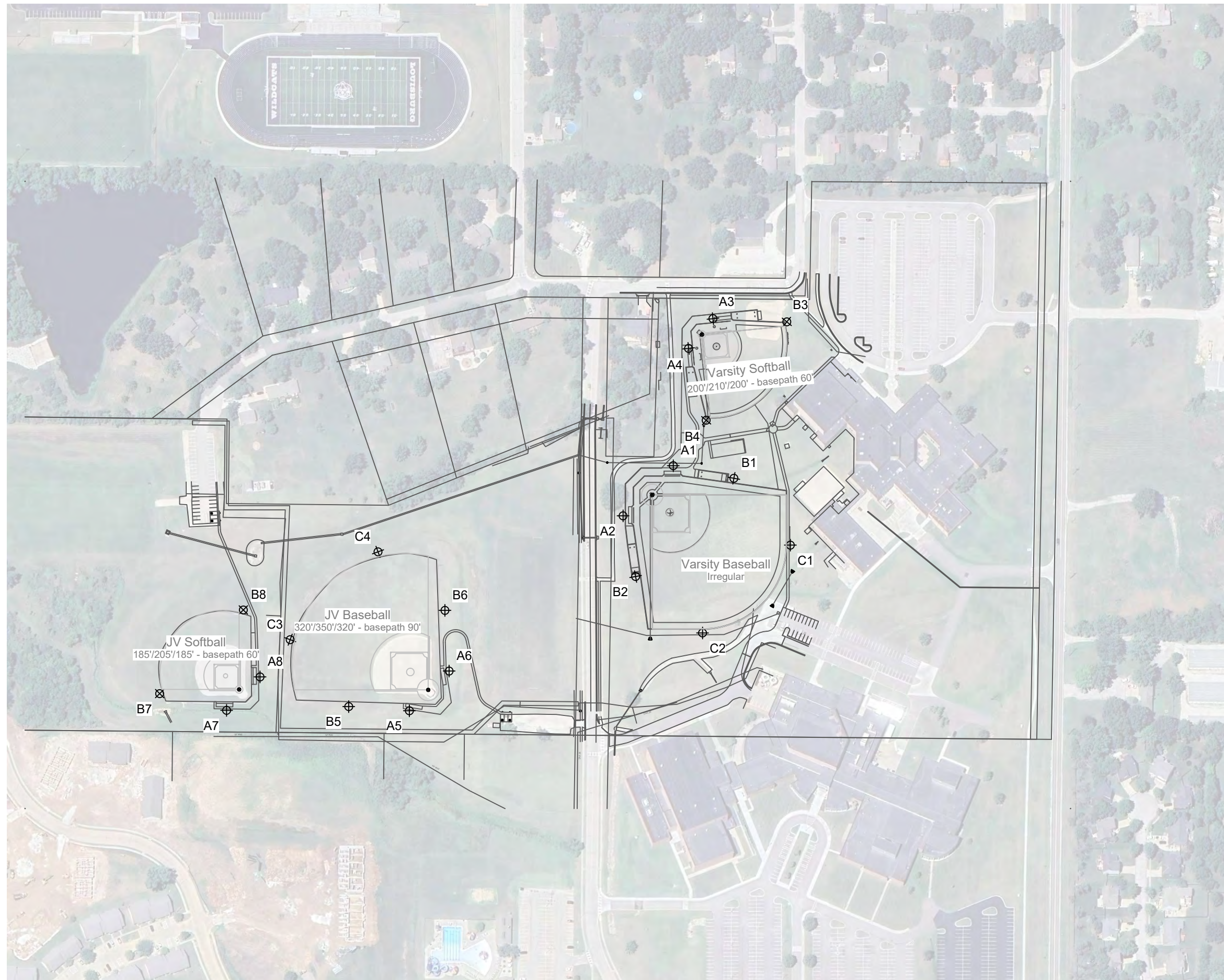
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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

QTY	LOCATION	Pole		Luminaires		
		SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	QTY/POLE
2	A1-A2	70'	-	70'	TLC-LED-1200	4
				40'	CREE OSQ	1
				15.5'	TLC-BT-575	1
2	A3-A4	60'	-	60'	TLC-LED-1200	1
				60'	TLC-LED-900	2
				40'	CREE OSQ	1
				15.5'	TLC-BT-575	1
2	A5-A6	70'	-	40'	CREE OSQ	1
				70'	TLC-LED-900	3
				15.5'	TLC-BT-575	1
2	A7-A8	60'	-	60'	TLC-LED-900	2
				40'	CREE OSQ	1
				15.5'	TLC-BT-575	1
1	B1	80'	-	15.5'	TLC-BT-575	1
				40'	CREE OSQ	1
				80'	TLC-LED-550	2*
				80'	TLC-LED-1500	7
				80'	TLC-LED-1500	7
1	B2	80'	-	40'	CREE OSQ	1
				15.5'	TLC-BT-575	1
				15.5'	TLC-BT-575	1
1	B3	70'	-	40'	CREE OSQ	1
				15.5'	TLC-BT-575	2
				70'	TLC-LED-1200	5
1	B4	70'	-	70'	TLC-LED-550	2*
				70'	TLC-LED-1200	5
				15.5'	TLC-BT-575	2
				40'	CREE OSQ	1
2	B5-B6	70'	-	70'	TLC-LED-1200	5
				15.5'	TLC-BT-575	1
1	B7	70'	-	15.5'	TLC-BT-575	1
				70'	TLC-LED-1200	3
1	B8	70'	-	70'	TLC-LED-1200	3
				40'	CREE OSQ	1
				15.5'	TLC-BT-575	1
2	C1-C2	80'	-	80'	TLC-LED-1200	5
				40'	CREE OSQ	1
				15.5'	TLC-BT-575	2
2	C3-C4	70'	-	15.5'	TLC-BT-575	2
				70'	TLC-LED-1200	4

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



ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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



Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

EQUIPMENT LAYOUT

Louisburg High School Baseball Softball

Louisburg, KS

Equipment Layout

INCLUDES:

- JV Baseball
- JV Softball
- Varsity Baseball
- Varsity 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.

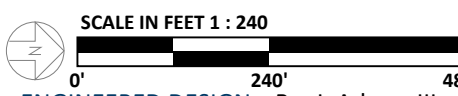
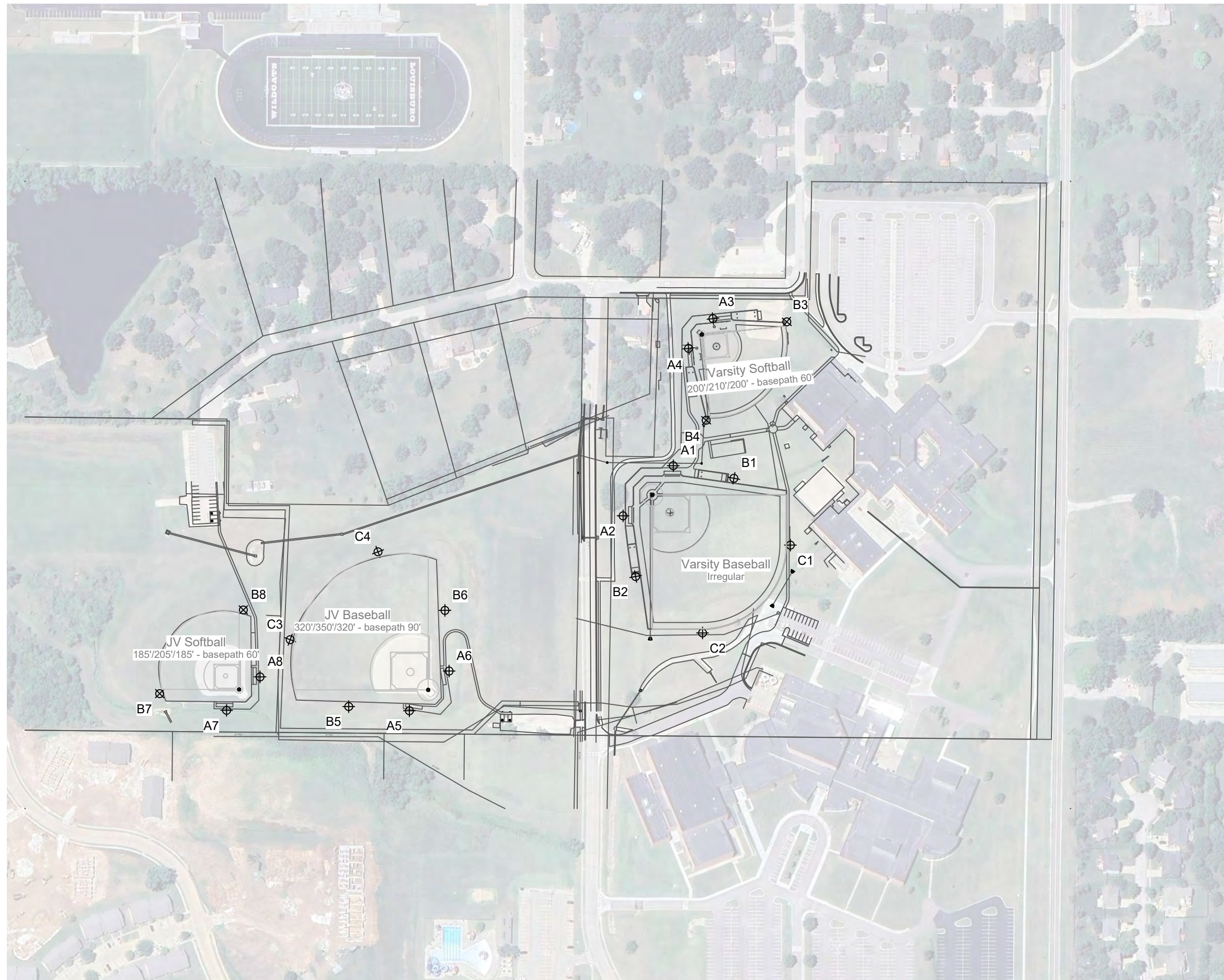
Equipment List For Areas Shown

QTY	LOCATION	Pole		Luminaires		QTY/POLE
		SIZE	GRADE ELEVATION	ABOVE GRADE LEVEL	LUMINAIRE TYPE	
20	Totals					127

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

Single Luminaire Amperage Draw Chart

Driver Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage							
CREE OSQ	-	-	-	-	0.3	-	0.2
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3



ENGINEERED DESIGN By: J. Adams III • File #204863B • 24-Mar-25

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



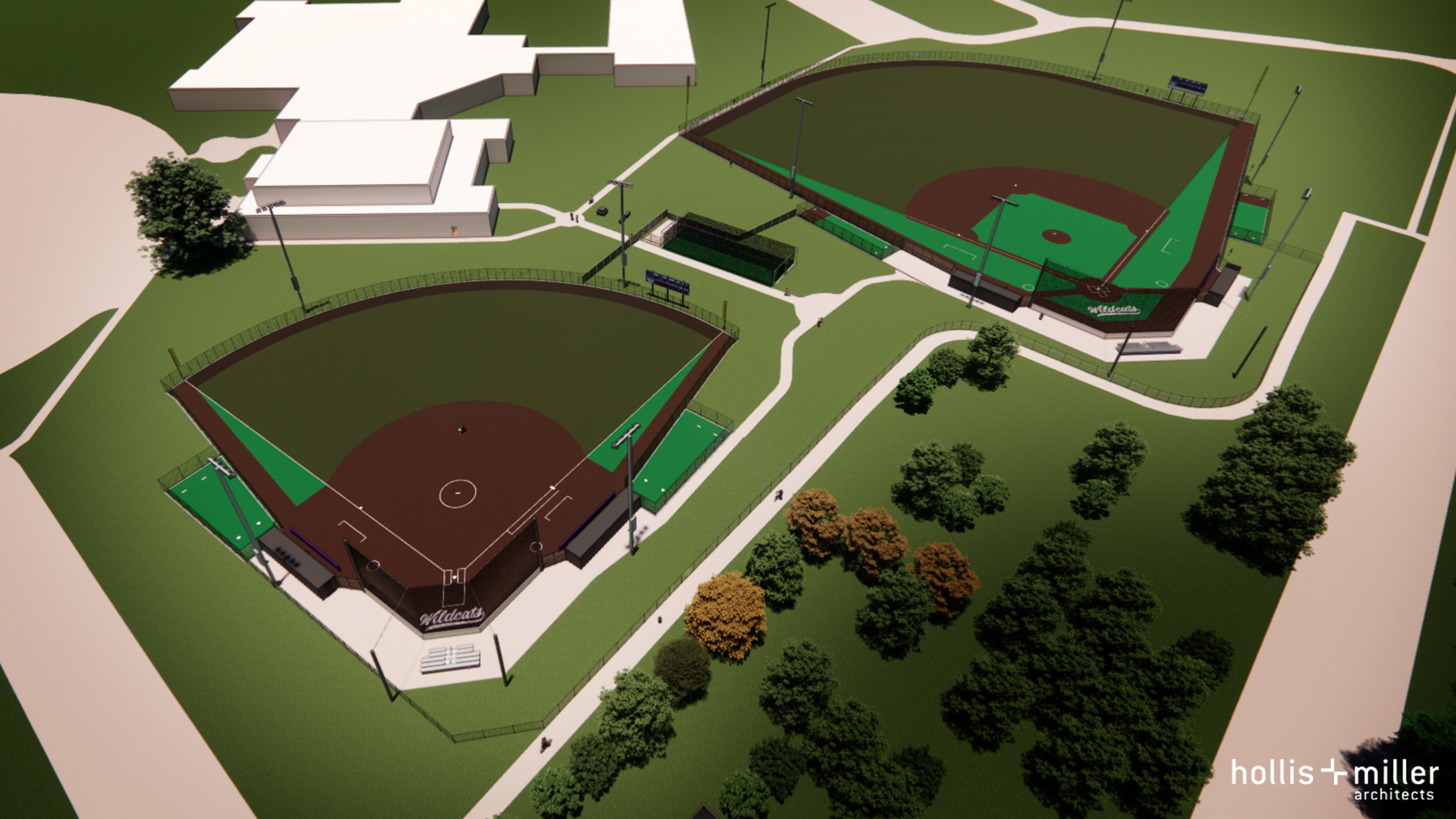
Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2025 Musco Sports Lighting, LLC.

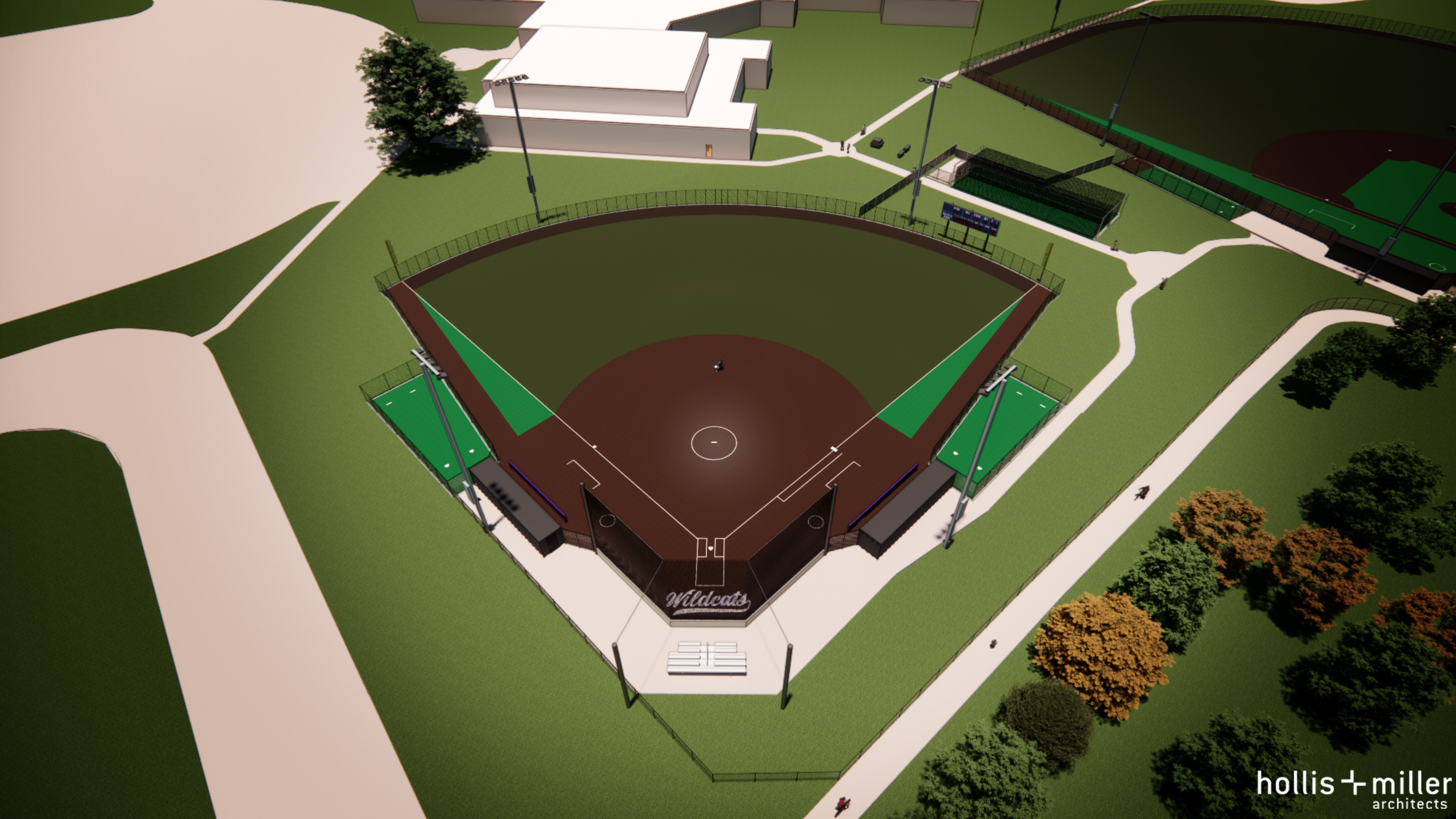
EQUIPMENT LAYOUT

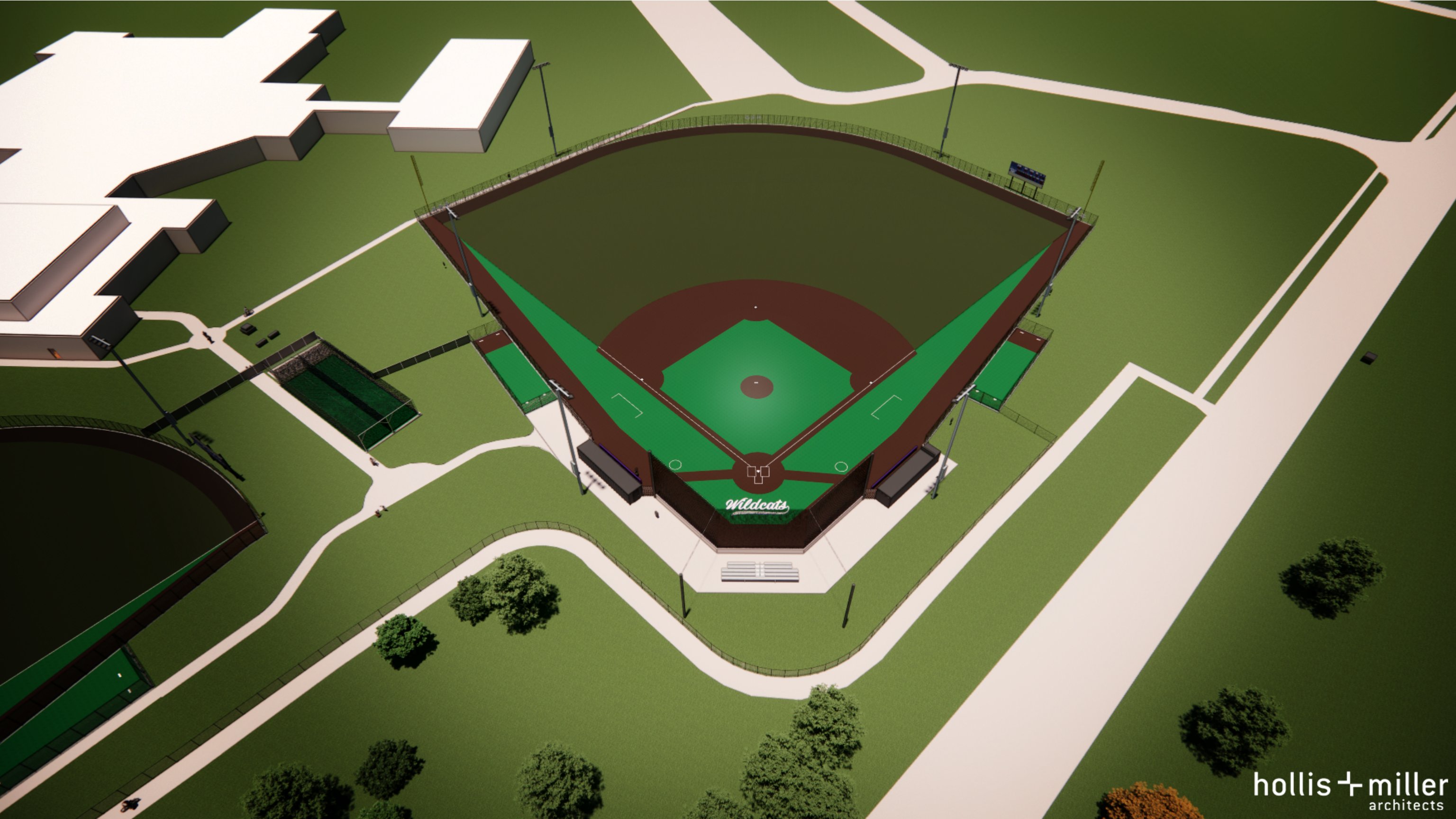
TOTAL PROJECT SCOPE

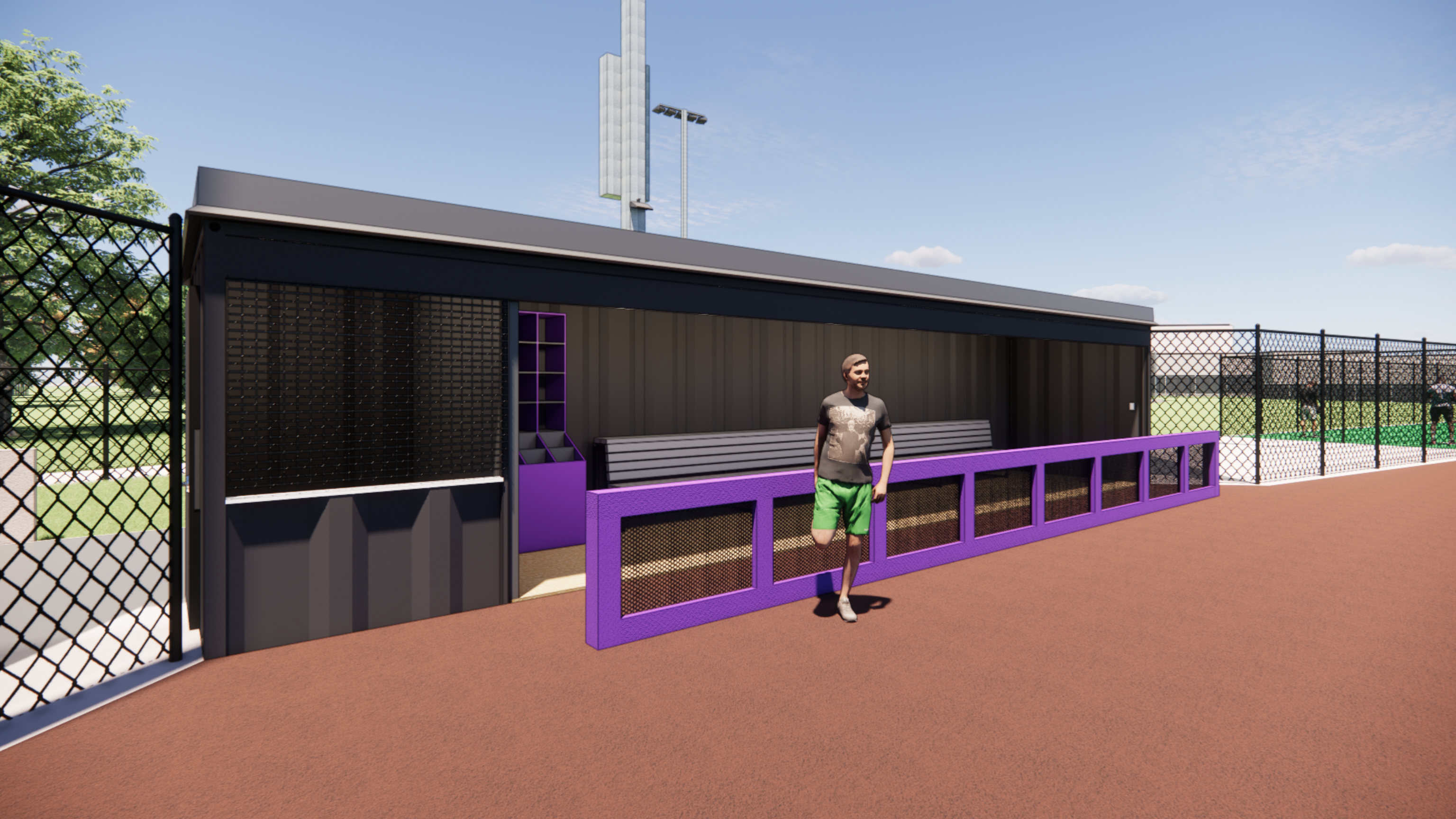
- 1) VARSITY SOFTBALL FIELD
- 2) SHARED BATTING CAGE
- 3) VARSITY SOFTBALL FIELD
- 4) PAVED ADA PARKING AND COMPLIANT PATH TO EXISTING BASEBALL FIELD
- 5) ADDING SCOREBOARD, SPORTS LIGHTING, BLEACHER AND DUGOUT TO EXISTING BASEBALL FIELD
- 6) ADDING SCOREBOARD, SPORTS LIGHTING, BLEACHER AND DUGOUT TO EXISTING SOFTBALL FIELD
- 7) PAVED ADA PARKING AND COMPLIANT PATH TO EXISTING SOFTBALL FIELD













Introducing
TLC *for* LED[®]
Total Light Control[™]



We Make It Happen.®

TLC[®] for LED[®]

Total Light Control[™]

Continuing the commitment to excellence...
Keeping good lighting affordable...
Guaranteed for 25 years, from foundation to poletop.

Light-Emitting Diode (LED) is a new tool but the issues for sports lighting are the same. For nearly a decade, the Musco Team has been testing the LED light source and applying it on projects where it was the best choice. While LED saved energy, for a typical recreational facility the hours of operation weren't great enough to offset the higher cost.

We've researched LED's distinctive challenges and advantages and applied our knowledge of light control to the unique characteristics of the diode, assuring the quality of lighting for which Musco is known.

We've paired our expertise in controlling light with the advancing output of LED to the point where we're confident it's a cost-effective option to consider for recreational facilities. With our patented BallTracker[™] technology, in-flight balls "pop" against night skies so that tracking the ball is easier than ever before.

The result is a system that makes Musco's great lighting even better.

Better for players...

who want to perform their best and be able to track the entire flight of the ball.

Better for neighbors...

who don't want glare in or around their homes or lights left on when not in use.

Better for the night sky...

with bright, uniform light directed onto the field and not spilling above it.

Better for your budget...

an affordable system that's built to last and control operating costs.

And...you can mark maintenance off your list for 25 years!

The Musco Team looks at the combination of issues to achieve the best solution to meet your needs—from structures, to quality of on-field light, to off-site impact, to energy and costs.

Control

from foundation to poletop...

from the light source to the field,
preserving the night sky...

assuring the results you expect,
day 1... year 1... and for 25 years.



Still Light-Structure System™...

5 Easy Pieces™ complete from foundation to poletop.

Our Light-Structure System™ has delivered long-term performance for thousands of customers around the world.

Lights, structures, and electrical components are engineered to work together. This assures the designed lighting gets in place and stays there over the life of the system, while also maintaining and protecting the operating environment so the components continue to function.

We've included features like easy to reach remote drivers, integrated grounding, and surge protection to ensure the longevity of the LED's sensitive electronic components.

The Light-Structure System™ adapts to support both LED and metal halide light sources.

25 years of proven performance



Control
from the foundation to the poletop.



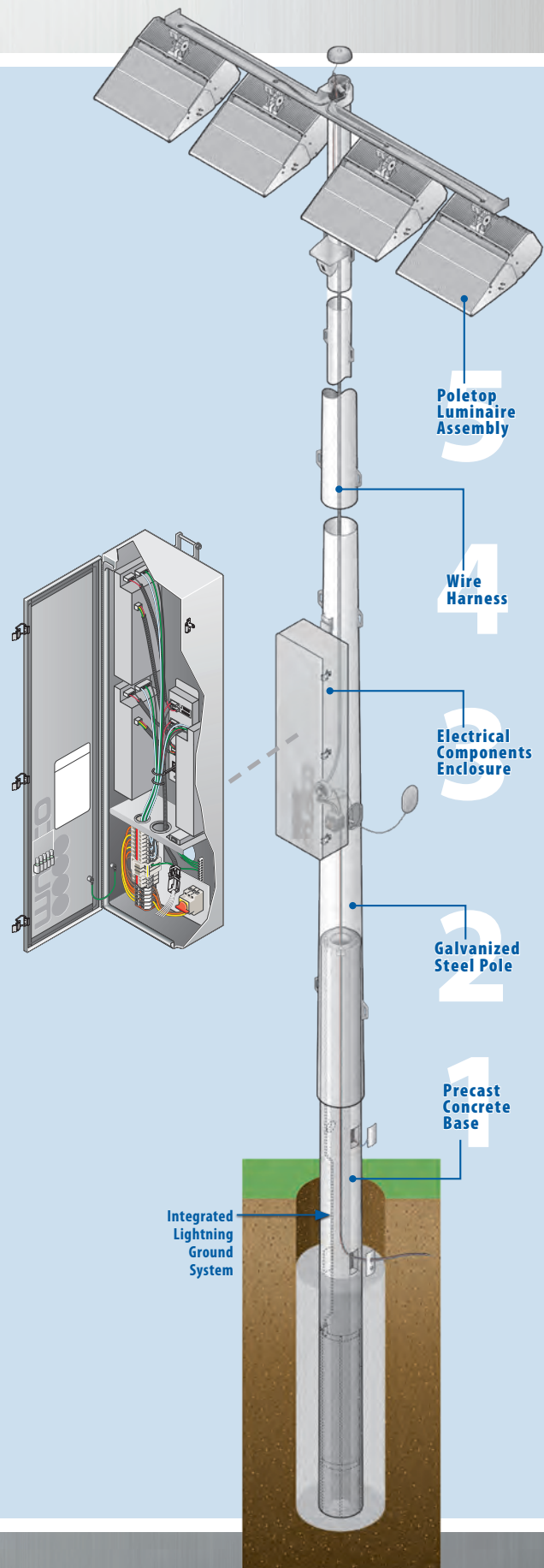
TLC for LED®
Total Light Control™



Other Light Source Option
Green Generation•Lighting.
Metal Halide
10 year warranty

“LEDs must be carefully integrated into lighting fixtures. The efficiency of a poorly designed fixture that uses even the best LEDs will be only a fraction of what it would be if the fixture were well-designed, and the design can also affect lumen maintenance.”

— U.S. Department of Energy
www.energy.gov/eere/ssl/led-basics



Musco can light a ballfield better than ever.

We create controlled light, not floodlights.

An LED floodlight is a serious step backward when it comes to the quality of light on your field. It may flood light into the neighborhood, into the night sky, and into the eyes of players.

New Tool

LED brings many benefits and new opportunities, but it's a tool, not a solution. Controlling the LED's intense, "rifle shot" of light is challenging. But with Total Light Control—TLC for LED®, we're able to achieve things never before possible—from pinpoint precision, to instant on/off, to varying light levels for different needs and sports presentation theatrics.

Same Issues

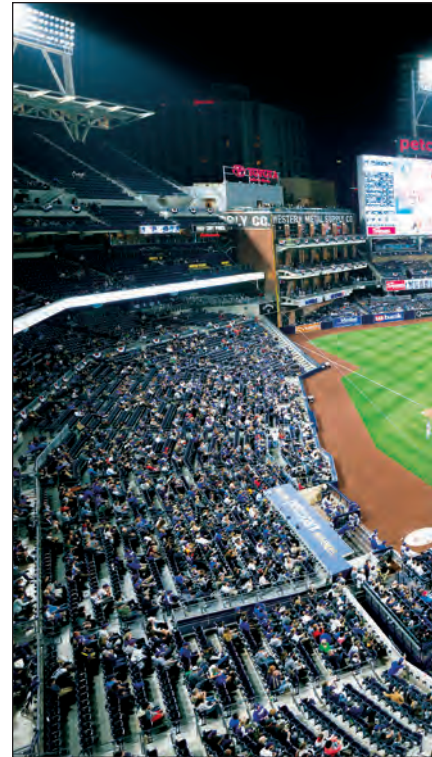
The key issues in sports lighting haven't changed: generating light, projecting it onto the target, keeping it out of the neighborhood and night sky, and creating an operating environment that allows it to last in real world conditions. Musco is able to carve out the area to be lighted and dramatically cut off any impact on the surrounding area. We use more of the light produced by the fixture, lose less light, and don't abuse the neighborhood. Our patented BallTracker™ light management technology puts vertical light precisely where it is needed. BallTracker minimizes impact on the night sky while lighting the underside of aerial balls, making night-time tracking easier than ever before.

When you walk onto a Musco-lighted field, it just looks better.

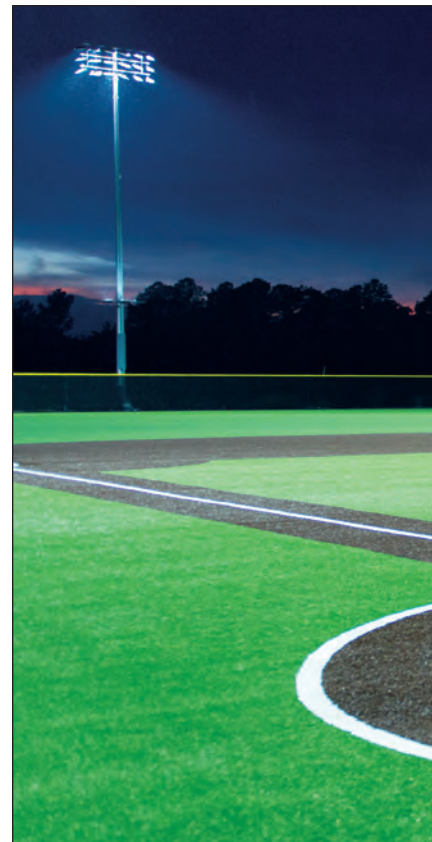
"When you stand at home plate and look out to center field, there's no glare, but the field is totally bright and you see how the white of the ball pops, it looks amazing."

—Tyson Kimm
Vice President of Perfect Game USA,
a major tenant at LakePoint Sports Community

Control
from the light source to the field.



San Diego Padres Petco Park · San Diego, California, USA



LakePoint Sports Community · Emerson, Georgia, USA

... for players, fans, and TV cameras.



Theatrics and special effects enhance fan and TV experience.



Mount Rushmore - Keystone, South Dakota, USA

Pinpoint control from 1,100 feet away highlights the target area while preserving surrounding darkness.



University of Notre Dame - Notre Dame, Indiana, USA

Sensational event lighting with dimming saves energy for high-usage, multi-use venues.



With patented BallTracker™ technology, players enjoy quality lighting, no glare, and better ability to track the entire flight of the ball.

The neighbors will love it.

Musco cares as much about preserving darkness as it does about creating light.

Emitting light is easy. But LED fixtures that can't effectively control the light being emitted brings the unintended consequences of abusive glare for players and neighbors, and wasteful spill into the night sky.

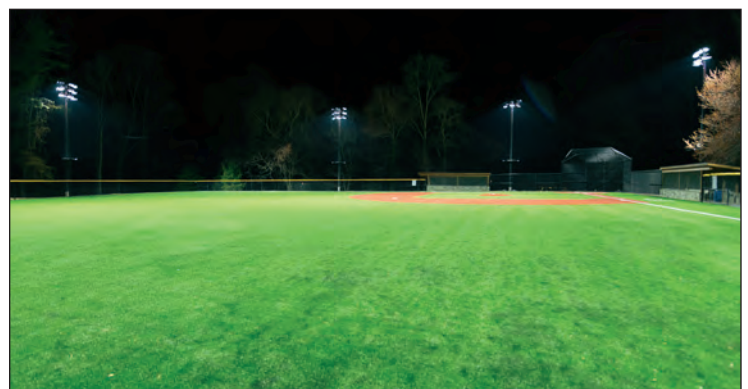
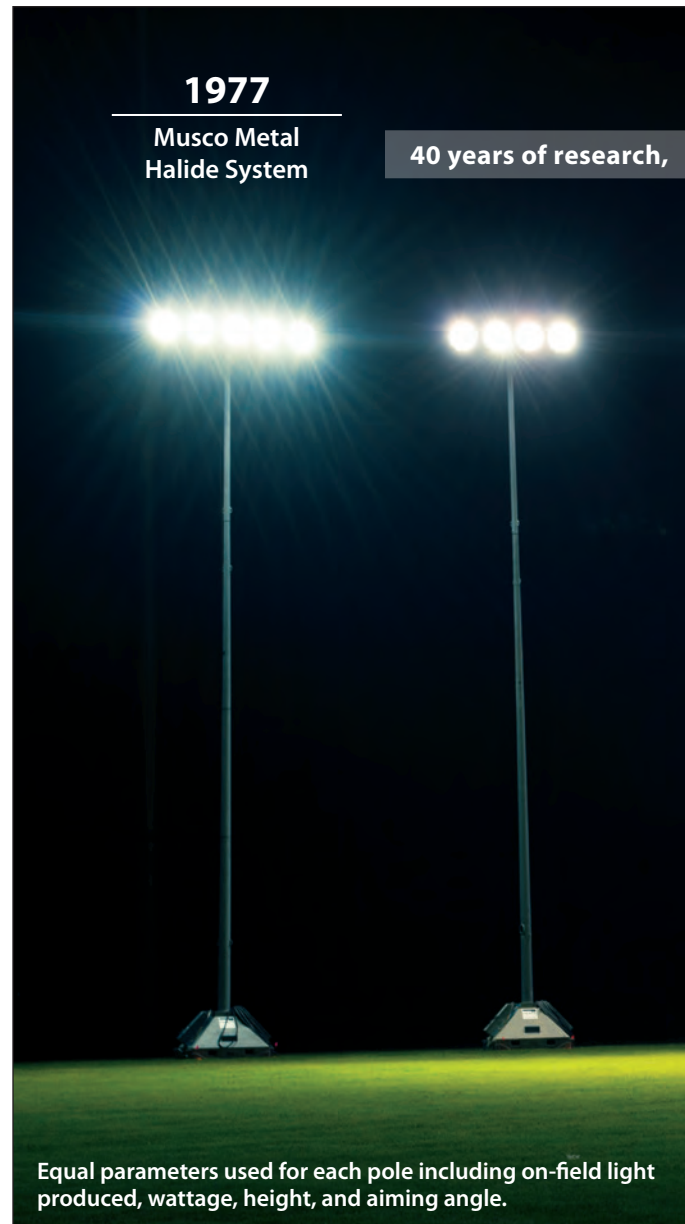
With Musco's Total Light Control—TLC for LED®, we've taken LED to a level of performance and precision never before seen in sports lighting. It means no disruptive glare into nearby homes and the preservation of dark skies above.

And it opens up new opportunities for where fields can be located within a community, and for existing fields that, until now, weren't able to install lights because of community push back.

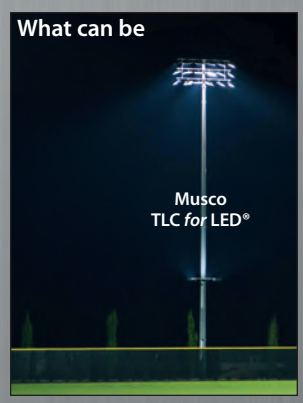
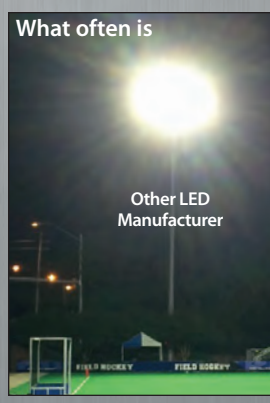
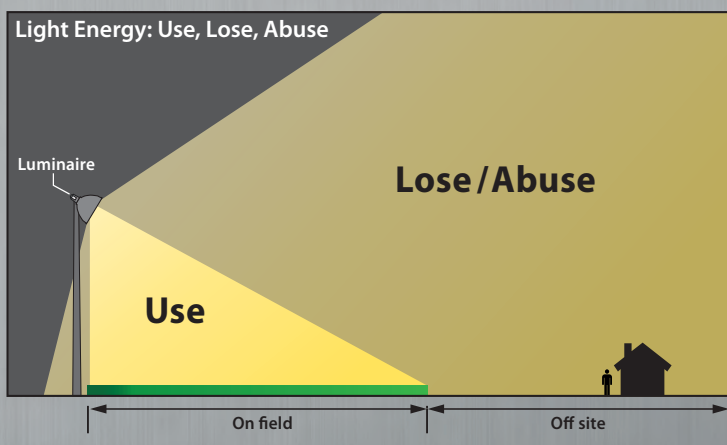
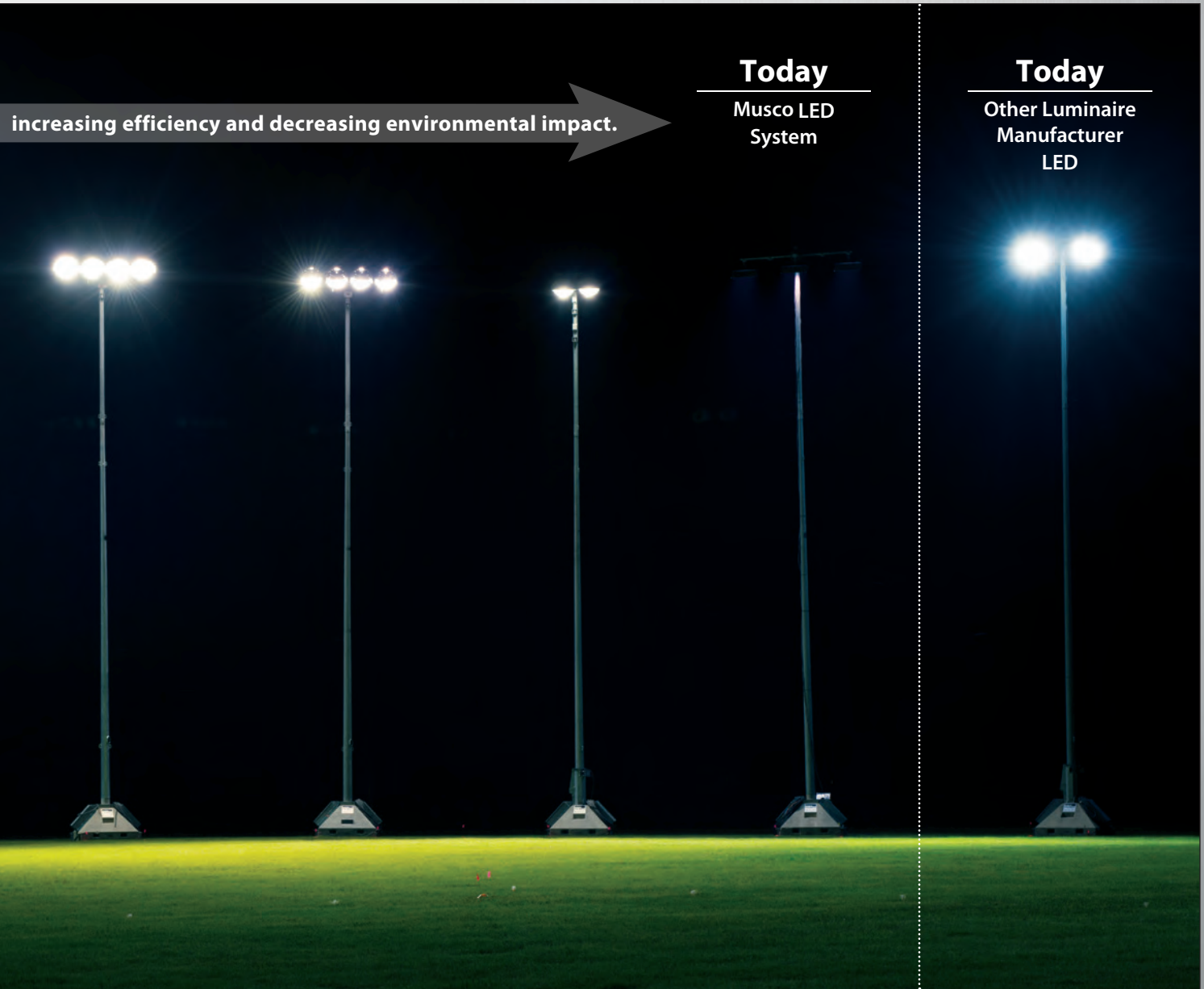
Control
preserving the night sky.

"Glyndon Park is in a naturally wooded residential area. We didn't want to illuminate the homes of neighbors in the area. I initially wasn't supportive of putting in traditional lights. The product Musco has developed allows us to light this field, yet light nothing else around it."

— Cathy Salgado,
Parks and Recreation Director, Vienna, VA



Glyndon Park Little League, Vienna, Virginia



And, your field is always ready to play.

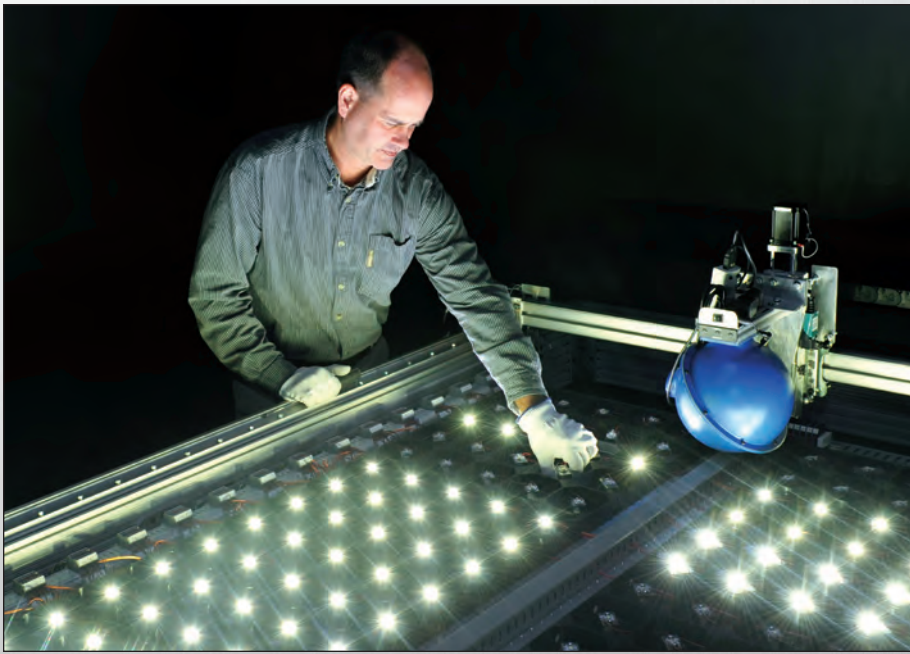
Here's a look at what the Musco Team has done in the last year as a partner in service to customers like you...

- Turned lights on and off remotely for more than 5.5 million games and events
- Conducted routine inspections and maintenance at over 11,000 fields
- Taken more than 350,000 calls, answering questions and helping with scheduling
- Carried out group lamp replacements on more than 30,000 metal halide fixtures
- Traveled enough miles servicing fields to circle the equator 24 times

And here's what our customers enjoy for 25 years...

Peace of mind for 9,125 days knowing that if a problem arises, we'll be there, and a budget with virtually **zero dollars spent on maintenance**, **increased staff productivity** resulting from not having to worry about managing your lights, plus **restful nights**, free from midnight calls from unhappy neighbors about lights left on.

Control assuring the results you expect.



We do the R&D to create it. We customize and apply solutions to your facility.

“Musco called to let us know there was an issue before we knew we had a problem.”

— Stephen Cooke, CPRP, CYSA
Greenville County Recreation Athletics Manager, Taylors, SC



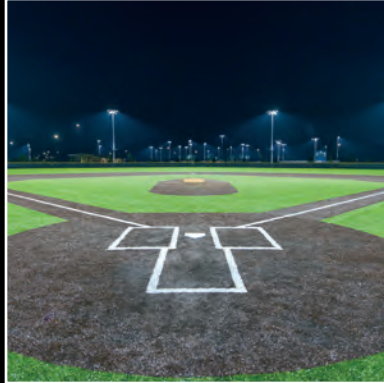
We're on the road to support it for 25 years.



We provide 24-7 Control-Link® support to monitor and operate your facility.



From metal halide to LED,
Musco's Light-Structure System™ performs
in real world conditions **for 25 years, guaranteed.**
We Make It Happen.®



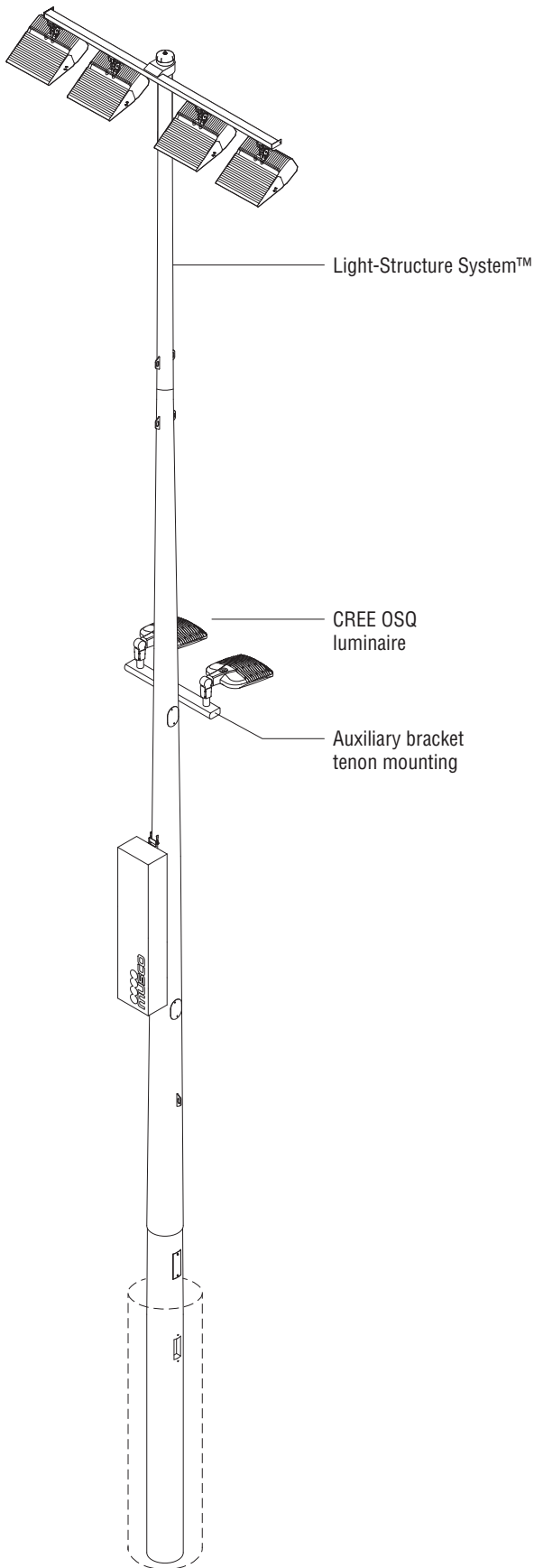
Control

from foundation to poletop...

from the light source to the field,
preserving the night sky...

assuring the results you expect,
day 1... year 1... and for 25 years.





Luminaire Data

Manufacturer	Cree, Inc.
Material and finish	Die-cast aluminum with silver powder-coat finish ¹
Mounting	Adjustable arm on 2.38 in (60 mm) O.D. tenon
Pole attachment	Auxiliary bracket mount
Weight (luminaire)	26.5 lb (12 kg)

Regulatory and Voluntary Qualifications

UL	cULus Listed
Environment	Suitable for wet locations
DLC qualified	See www.designlights.org/QPL
Ingress Protection	IP66
Emissions	Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
RoHS	Compliant

Photometric Characteristics

Lumen maintenance factor ²	
25k hours ³	0.95
50k hours ³	0.9
75k hours ³	0.85
100k hours ⁴	0.81
CIE correlated color temperature	5700 K
Color Rendering Index (CRI), minimum	70
Lumens	17,000

Footnotes:

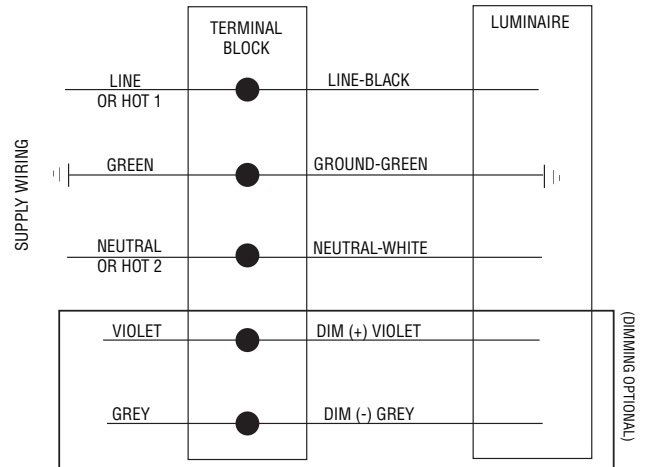
- 1) Cree's exclusive Colorfast DeltaGuard® finish features an E-coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation, and abrasion.
- 2) Lumen maintenance values at 25°C ambient temperature are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
- 3) Values are represented as projected values within six times limit of tested hours per IES TM-21-11.
- 4) Values are represented as calculated values due to exceeding six times limit of tested hours.

Datasheet: OSQ Area Luminaire on Light-Structure System™ Pole

Electrical Data

Rated wattage per luminaire ¹	130 W
Input voltage	120–277 V or 347–480 V, 50/60 Hz
Driver configuration	Integral
Driver Efficiency	>90%
Starting (inrush) current	73 A, 120 μs
Power factor	>0.9
Total Harmonic Distortion	<20%
Operating temperature range	-40°C – +35°C (-40°F – +95°F)
Dimming mode ²	0–10 V dimming to 10%

Typical Wiring



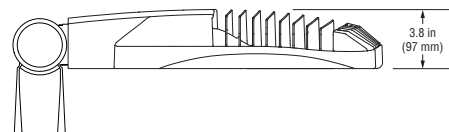
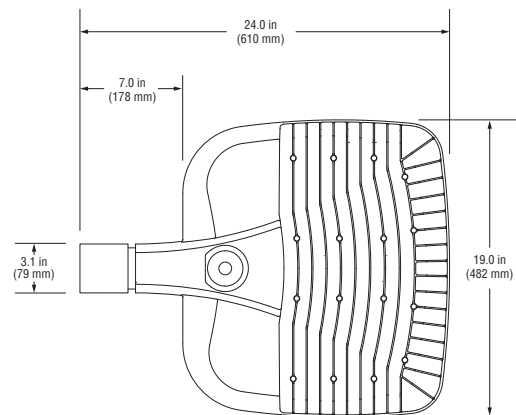
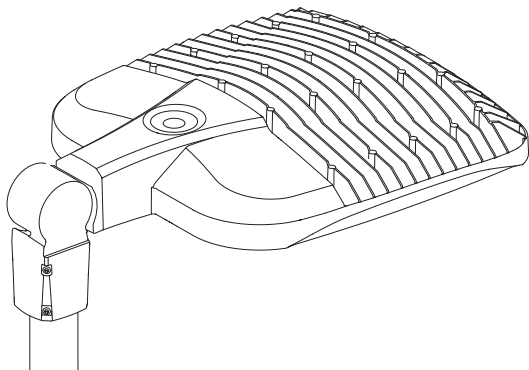
	120 Vac	208 Vac	240 Vac	277 Vac	347 Vac	480 Vac
Max operating current³	1.09 A	0.65 A	0.56 A	0.49 A	0.38 A	0.28 A

Footnotes:

- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Dimming controls not provided by Musco. Driver provides 10V source current at 0.15 mA, compliant with IEC 60929 Annex E dimming standard.
- 3) Operating current based on 25°C.

Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.



OSQ Series

OSQ™ LED Area/Flood Luminaire – Medium

SECURITY / AREA LIGHT MOUNTED
LOWER ON SPORTS LIGHTING POLE

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. 'A' Input power designator is a suitable upgrade for HID applications up to 250 Watt. 'J' Input power designator is a suitable upgrade for HID applications up to 400 Watt.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

Performance Summary

NanoOptic® Precision Delivery Grid™ optic

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K)

CCT: 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

*See www.cree.com/lighting/products/warranty for warranty terms

Accessories

Field-Installed	
Backlight Shield OSQ-BLSMF – Front facing optics	OSQ-BLSMR – Rotated optics

Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

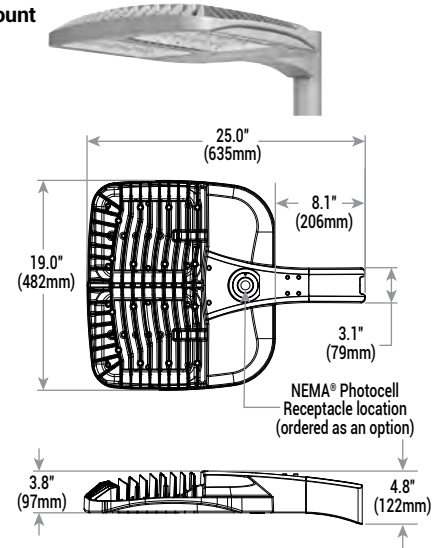
Example: **Mount:** OSQ-AA-SV + **Luminaire:** OSQ-A-NM-2ME-A-40K-UL-SV

Mount (Luminaire must be ordered separately)	
OSQ-	
OSQ-AA Adjustable Arm OSQ-DA Direct Arm	Color Options: SV Silver BZ Bronze WH White BK Black PB Platinum Bronze

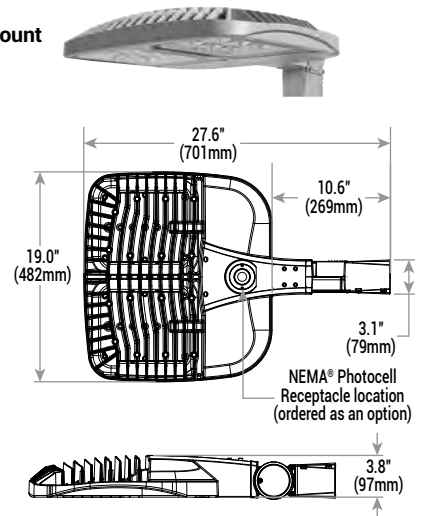
Luminaire (Mount must be ordered separately)										
OSQ	A	NM	Optic		Input Power Designator	CCT	Voltage	Color Options	Options	
OSQ	A	NM No Mount	2ME* Type II Medium 3ME* Type III Medium 4ME* Type IV Medium 5ME Type V Medium 5SH Type V Short	WSN Wide Sign 15" Flood 25" Flood 40" Flood 60" Flood 60" Flood	A 112W J 168W	30K 3000K 40K 4000K 57K 5700K	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed wattage of specified input power designator F Fuse - When code dictates fusing, use time delay fuse ML Multi-Level - Refer to ML spec sheet for details - High: 100%, Low: 30% - Intended for downlight applications at 0° tilt PML Programmable Multi-Level, 20-40' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt	PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt Q9 Field Adjustable Output - Refer to Field Adjustable Output spec sheet for details R NEMA® Photocell Receptacle - Intended for downlight applications with maximum 45° tilt - Photocell by others RL Rotate Left - LED and optic are rotated to the left RR Rotate Right - LED and optic are rotated to the right

* Available with Backlight Shield when ordered with field-installed accessory (see table above)

DA Mount



AA Mount



Weight
26.5 lbs. (12kg)



Rev. Date: V6 07/20/2015



US: www.cree.com/lighting

T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada

T (800) 473-1234 F (800) 890-7507

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adaptor is rugged die cast aluminum and mounts to 3-6" (76-152mm) square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** 26.5 lbs. (12kg)

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **10V Source Current:** 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15 standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC qualified when ordered with 30K (5ME, 5SH optics), or 40K and 57K (2ME, 3ME, 4ME, 5ME, 5SH, 15D, 25D, 40D, 60D optics). Please refer to www.designlights.org/QPL for most current information
- Dark Sky Friendly, IDA approved. Please refer to www.darksky.org/ for most current information
- RoHS compliant. Consult factory for additional details

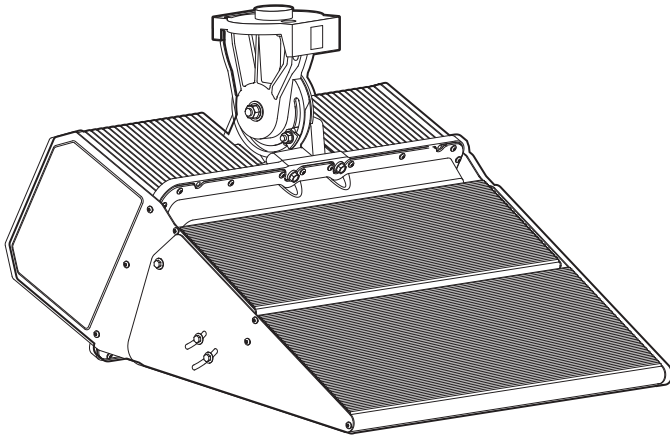
Electrical Data*							
Input Power Designator	System Watts 120-480V	Total Current					
		120V	208V	240V	277V	347V	480V
A	112	0.97	0.56	0.49	0.43	0.34	0.25
J	168	1.47	0.85	0.74	0.64	0.50	0.36

* Electrical data at 25°C (77°F)

Recommended OSQ Series Lumen Maintenance Factors (LMF) ¹							
Ambient	Input Power Designator	Optic	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Projected/ Calculated ^{2,3} LMF	100K hr Calculated ³ LMF
5°C (41°F)	A/J	2ME, 3ME, 4ME	1.04	0.99	0.94	0.88	0.84
		5ME, 5SH, 15D, 25D, 40D, 60D, WSN	1.52	1.35	1.25	1.16	1.06
10°C (50°F)	A/J	2ME, 3ME, 4ME	1.03	0.98	0.93	0.88	0.83
		5ME, 5SH, 15D, 25D, 40D, 60D, WSN	1.39	1.24	1.14	1.06	0.97
15°C (59°F)	A/J	2ME, 3ME, 4ME	1.02	0.97	0.92	0.87	0.83
		5ME, 5SH, 15D, 25D, 40D, 60D, WSN	1.26	1.12	1.03	0.96	0.88
20°C (68°F)	A/J	2ME, 3ME, 4ME	1.01	0.96	0.91	0.86	0.82
		5ME, 5SH, 15D, 25D, 40D, 60D, WSN	1.13	1.01	0.93	0.86	0.79
25°C (77°F)	A/J	2ME, 3ME, 4ME	1.00	0.95	0.90	0.85	0.81
		5ME, 5SH, 15D, 25D, 40D, 60D, WSN	1.00	0.89	0.82	0.76	0.70

¹ Lumen maintenance values at 4000K and 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
² In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip
³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip





Luminaire Data

Weight (luminaire) 75 lb (34 kg)
 UL listing number E338094
 UL listed for USA / Canada UL1598 CSA-C22.2 No.250.0
 Ingress protection, luminaire IP65
 Material and finish Aluminum,
 powder-coat painted
 Wind speed rating (aiming only) 150 mi/h (67 m/s)

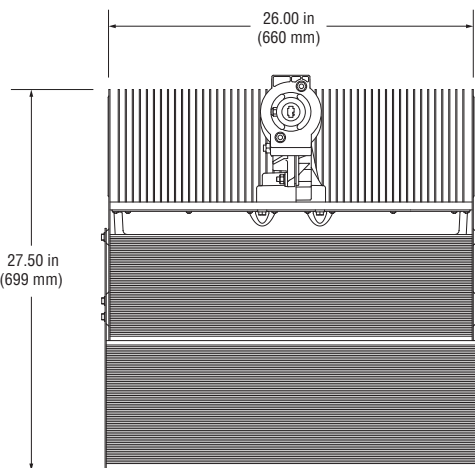
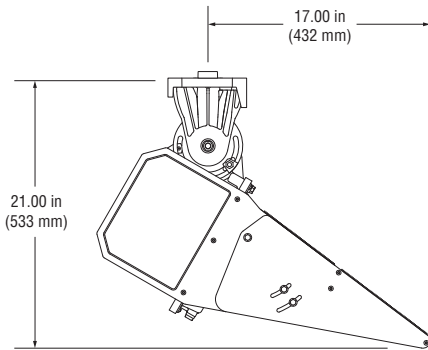
Photometric Characteristics

Projected lumen maintenance per IES TM-21-11

L90(8.5k) >51,000 h
 L80(8.5k) >51,000 h
 L70(8.5k) 51,000 h
 CIE correlated color temperature 5700 K
 Color Rendering Index (CRI), typical 75
 Color Rendering Index (CRI), minimum 70
 Lumens¹ 121,000

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.



Driver Data

Electrical Data

Rated wattage¹

Per driver..... 1,150 W

Per luminaire..... 1,150 W

Number of luminaires per driver..... 1

Starting (inrush) current..... <40 A, 256 μ

Fuse rating..... 15 A

UL ambient temperature rating,
electrical components enclosure..... 50°C (122°F)

Ingress protection,
electrical components enclosure..... IP54

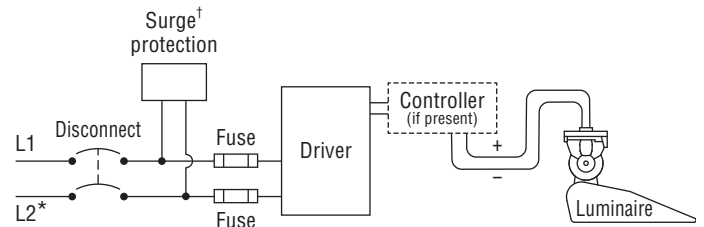
Efficiency..... 95%

Dimming mode..... optional

Range, energy consumption..... 15 – 100%

Range, light output..... 20 – 100%

Typical Wiring



* If L2 (com) is neutral then not switched or fused.
† Not present if indoor installation.

	200 Vac 50/60 Hz	208 Vac 60 Hz	220 Vac 50/60 Hz	230 Vac 50 Hz	240 Vac 50/60 Hz	277 Vac 60 Hz	347 Vac 60 Hz	380 Vac 50/60 Hz	400 Vac 50 Hz	415 Vac 50 Hz	480 Vac 60 Hz
Max operating current²	7.26 A	6.98 A	6.60 A	6.31 A	6.05 A	5.24 A	4.18 A	3.82 A	3.63 A	3.50 A	3.03 A

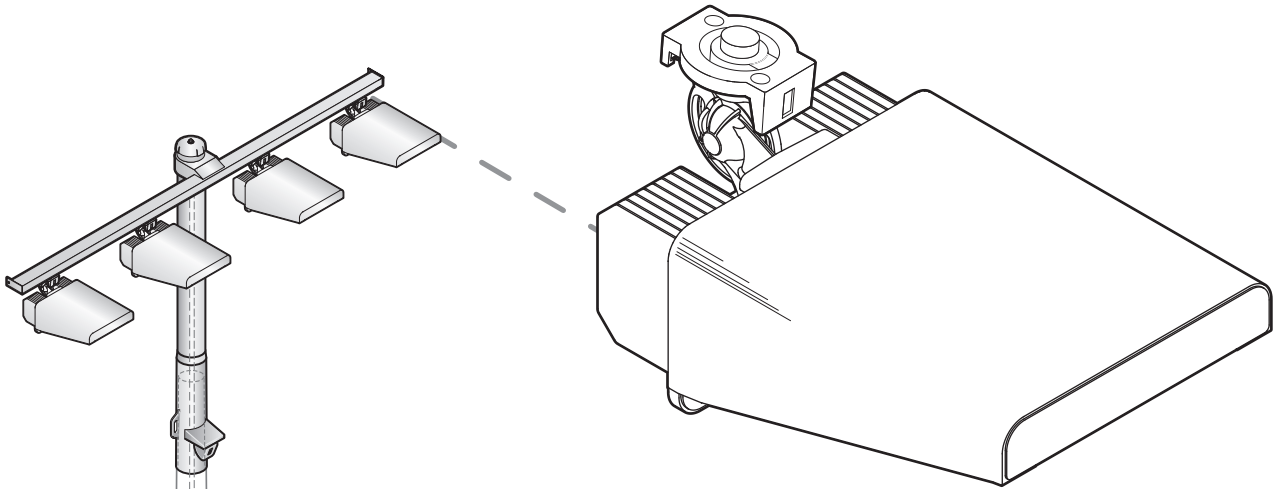
Footnotes:

- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.





Luminaire Data

Weight (luminaire)	25 lb (11 kg)
UL listing number	E338094
UL listed for USA/Canada	UL1598 CSA-C22.2 No.250.0
CE Declaration	LVD, EMC, RoHS
Ingress protection (luminaire)	IP65
Impact rating	IK07
Material and finish	Aluminum, powder-coat painted
Wind speed rating (aiming only)	150 mi/h (67 m/s)
UL, IEC ambient temperature rating (luminaire)	50°C (122°F)

Photometric Characteristics

Projected lumen maintenance per IES TM-21-11	
L90 (20k)	>120,000 h
L80 (20k)	>120,000 h
L70 (20k)	>120,000 h
Lumens ¹	67,000
CIE correlated color temperature	5700 K
Color rendering index (CRI)	75 typ, 70 min
LED binning tolerance	7-step MacAdam Ellipse

Footnotes:

1) Incorporates appropriate dirt depreciation factor for life of luminaire.

All components from foundation to poletop are designed to work together in Light-Structure System™ to ensure reliable, trouble-free operation.

Luminaire and Driver – TLC-LED-550

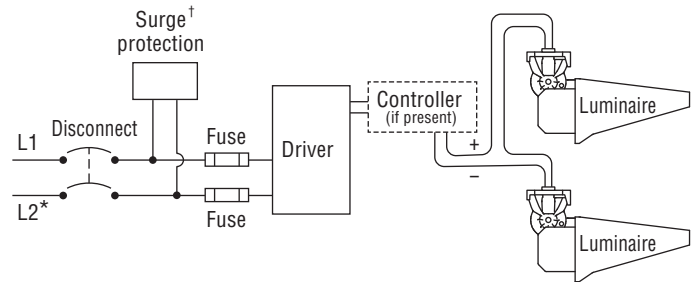
Driver Data

Electrical Data

Rated wattage¹

Per driver	1080 W
Per luminaire	540 W
Number of luminaires per driver	2
Starting (inrush) current	<40 A, 256 μs
Fuse rating	15 A
UL, IEC ambient temperature rating, electrical components enclosure	50°C (122°F)
Ingress protection, electrical components enclosure	IP54
Efficiency	95%
Dimming mode	optional
Range, energy consumption	15 - 100%
Range, light output	20 - 100%
Flicker	<2%
Total harmonic distortion (THD) at full output	<20%

Typical Wiring



* If L2 is neutral then not switched or fused.
 † Not present if indoor installation.

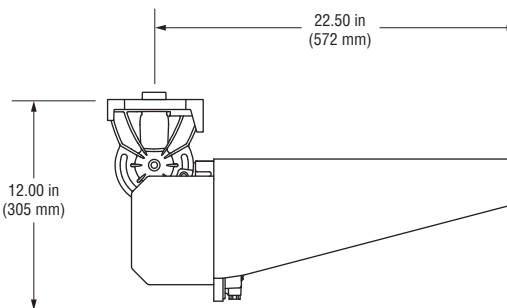
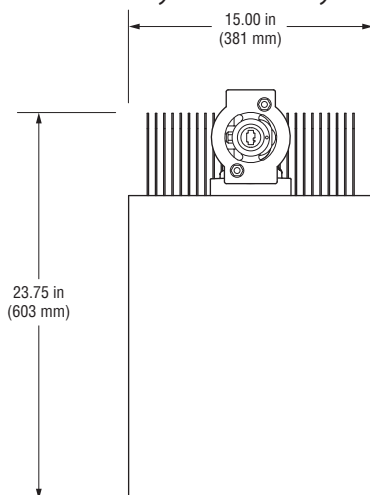
	200 Vac 50/60 Hz	208 Vac 60 Hz	220 Vac 50/60 Hz	230 Vac 50 Hz	240 Vac 50/60 Hz	277 Vac 60 Hz	347 Vac 60 Hz	380 Vac 50/60 Hz	400 Vac 50 Hz	415 Vac 50 Hz	480 Vac 60 Hz
Max operating current per luminaire ²	3.32 A	3.19 A	3.02 A	2.89 A	2.77 A	2.40 A	1.92 A	1.75 A	1.66 A	1.60 A	1.39 A

Footnotes:

- 1) Rated wattage is the power consumption, including driver efficiency losses, at stabilized operation in 25°C ambient temperature environment.
- 2) Operating current includes allowance for 0.90 minimum power factor, operating temperature, and LED light source manufacturing tolerances.

Notes

1. Use thermal magnetic HID-rated or D-curve circuit breakers.
2. See *Musco Control System Summary* for circuit information.



Project		Catalog #		Type	
Prepared by		Notes		Date	



Fail-Safe

FVS4

High Abuse / Vandal Resistant
 4" Wide / 3.75" Deep
 2', 3', 4', 8' Lengths
 Polycarbonate Lens
 Surface, Ceiling or Wall

Typical Applications:

Vandal Resistant • Schools • Dormitories • Hallways • Locker Rooms • Showers
 • Canopies • Public Spaces • Maintenance Facilities • Mezzanines • Stairwells •
 Restrooms • Storage Facilities • Behavioral Health

Interactive Menu

- Order Information page 2
- Product Specifications page 2
- Product Warranty

Product Certification



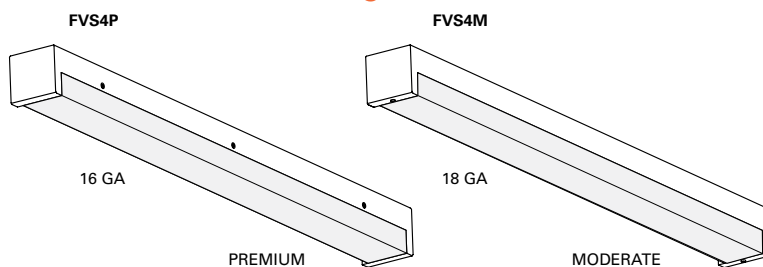
Product Features



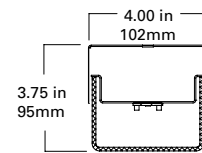
Top Product Features

- Cold-rolled steel or stainless steel housing available
- 4" nominal width, 3.75" depth - 2', 3', 4', and 8' lengths
- Damp location standard; wet location under covered ceiling available
- Continuous row utilizing end knock-outs
- 16 ga. steel housing (FVSP) for durability. 18 ga. steel FVSM standard
- Internal occupancy sensor available, behind the lens
- Opal smooth or clear prismatic polycarbonate lens. Lifetime lens warranty. IK10 impact resistance rating.
- Damp location standard; wet location under covered ceiling available
- Options to meet Buy American Act requirements
- **Ligature resistant**; ceiling mount
- 10-Day Quick Spec available. Ship 10 days from receipt of PO

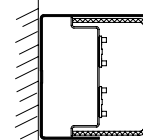
Dimensional and Mounting Details



CEILING or WALL MOUNT
FVS4



WALL MOUNT
FVS4W



FVS4P	
Length	# Screws each side
2'	2
3'	2
4'	3
8'	5

Housing	FVS4P	FVS4M
	16GA Steel	18GA Steel
Listing	UL Damp, Wet Optional	UL Damp, Wet Optional
Construction	Screws along fixture edge	Set Screws on Endcaps

additional product diagrams

Order Information

SAMPLE NUMBER: FVS4WM-8-LD4-2STD-35-UNV-OPL-EDC1-EL7W

SAMPLE NUMBER: FVS4P-4-LD4-2STD-30-120-P187-EDC1-OS1-WL

10-DAY QUICK SPEC SAMPLE NUMBER: QS-FVS4M-4-LD4-1HI-35-UNV-P125-EDC1

Gray bar denotes available with 10-Day Quick Spec

Domestic Preferences	Product Family		Length	LED	No. of LEDs	Illumination Level
[Blank] =Standard BAA =Buy American Act	FVS4 =High Abuse 4" Wide Surface Luminaire QS-FVS4 =High Abuse 4" Wide Surface Luminaire, Quick Spec ⁽⁶⁾ FVS4W =High Abuse 4" Wide Surface Wall Mount Luminaire	M =Moderate P =Premium	2 =2' length ^{(4),(6)} 3 =3' length 4 =4' length 8 =8' length	LD4 =Linear LED, Version 4	1 =1 row LED module in X-section 2 =2 rows LED module in X-section ^{(1),(4)}	LO =Low STD =Standard HI =High
Notes (7) Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC.PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	Notes (8) 10 day ship, from receipt of clean PO to ship date. 25 unit maximum per PO. QS available only with shaded options. EL14W only available with QS as 4ft length with 1L0, 1STD, 1HI.		Notes (4) 2HI with 2 circuits not available in 2ft length. (6) 2' length fixture with 2 circuits and OS1 or OS2 is not available.		Notes (1) Up to 1HI only with Emergency Battery Pack. 1L0, 1STD, 1HI available with EL7W and EL14W. 2 LED cross-section not available. (4) 2HI with 2 circuits not available in 2ft length.	

Color Temperature	Voltage	Lens	Driver	Options	Finish
30 =3000K 35 =3500K 40 =4000K 50 =5000K	120 =120 Volt 277 =277 Volt UNV =120-277 Volt	P125 =.125" Clear polycarbonate prismatic lens P187 =.187" Clear polycarbonate prismatic lens OPL =.125" Polycarbonate smooth opal lens	EDC1 =Electronic driver, Non-Dimming, 1 circuit EDC2 =Electronic driver, Non-Dimming, 2 circuits EDD1 =Electronic driver, Dimming 10%, 1 circuit EDD2 =Electronic driver, Dimming 10%, 2 circuits ED1D1 =Electronic driver, Dimming 1%, 1 circuit ED1D2 =Electronic driver, Dimming 1%, 2 circuits	EL7W =7 watt EM Pack ^{(1),(2)} EL14W =14 watt EM Pack ^{(1),(2),(8)} SHP =Stainless steel, painted housing SHB =Stainless steel, brushed housing OS1 =Internal Occupancy Sensor (behind lens), connected to one LED module. Specify 120 or 277 voltage. ^{(5),(6)} OS2 =Internal Occupancy Sensor (behind lens), connected to two LED modules. Specify 120 or 277 voltage. ^{(5),(6)} WL =Wet location, listed under covered ceiling for FVS4P and FVS4M. WL not available on FVS4WP or FVS4WM. 90 =90CRI (not available in 3ft length).	[Blank] =Matte White BK =Black DP =Dark Platinum GW =Gloss White AM =Anti-microbial Matte White
				Notes (1) Up to 1HI only with Emergency Battery Pack. 1L0, 1STD, 1HI available with EL7W and EL14W. 2 LED cross-section not available. (2) EL7W not available in 2ft length. EL14W not available in 2ft or 3ft length. (5) OS1 and OS2 require 120 or 277 to be specified in the ordering logic. (6) 2' length fixture with 2 circuits and OS1 or OS2 is not available.	Notes Custom colors available, with customer provided RAL number. Consult Technical Support with any questions.

Product Specifications

Fasteners

- FVSP** - Captive, stainless steel, countersunk, flush, tamperproof, T20 TORX ®-head screws prevent unauthorized access. Screw heads painted to match housing color/finish.
- FVSM** - 2 white T20 TORX screws prevent unauthorized access.

Housing

- Die-formed 16 ga. Steel (FVS4P), 18 ga. Steel (FVS4M) with welded and ground ends. Stainless steel housing available.

Finish

- Matte white electrostatically applied, white powder coat finish.
- Gloss white and anti-microbial white painted finish available.

Gasket

- Concealed, polyurethane end gaskets inhibit the entrance of environmental contaminants.

Lens

- Nominal 0.125", UV stabilized, clear Pattern 12, impact-resistant, prismatic polycarbonate refractor for high efficiency, low surface brightness and maximum strength. Opal smooth available. .187" thick clear Pattern 12 prismatic polycarbonate available.
- Lifetime Lens Warranty.

LEDs

- Available with 3000K, 3500K, 4000K, 5000K with minimum of 80CRI. 90 CRI available (except 3' length)
- Projected life is 50,000 hours at 70% lumen maintenance.

Lens Retention

- The FVS4P double wall lens channel captivates lens to prevent unauthorized fixture penetration. Screws along each side to ensure maximum lens captivation. FVS4M incorporates (2) tamper resistant screws, one on each endcap.

Transformer/Driver

- Electronic driver 120V-277V, 0-10V, dimming standard.

Compliance

- UL listed for damp location. Wet location listed under covered ceiling optional, FVS4P & FVS4M.

Warranty

- 5 Year warranty on LED's and electrical.
- Fail-Safe will repair or replace any vandal resistant / high abuse luminaire, that is deemed non-functional due to physical damage to the luminaire exterior housing or polycarbonate lens. The luminaire must be installed correctly, and the warranty does not include any interior component, nor does it include damage due to gunfire, paint, caustic material / chemicals, disastrous or abnormal events.

Nominal Input Watts

 View IES files

LENGTH	# Modules in Cross-Section	Illumination Level	Nominal Input Watts	Color Temp	LENS P125 Nominal Delivered Lumens	LENS P187 Nominal Delivered Lumens	LENS OPL Nominal Delivered Lumens
2'	1	LO	12.3	30	1266	1230	849
				35	1290	1254	865
				40	1316	1279	882
				50	1434	1394	961
	1	STD	16.9	30	1723	1675	1155
				35	1756	1707	1177
3'	1	HI	22.2	40	2209	2147	1481
				50	2408	2340	1614
	2	LO	24.1	30	2614	2540	1648
				35	2664	2588	1679
	2	STD	33.9	40	2717	2640	1713
				50	2962	2878	1867
2	HI	44.8	30	3475	3376	2190	
			35	3541	3440	2232	
4'	1	LO	21.3	40	3612	3509	2277
				50	3937	3825	2482
	1	STD	28.5	30	4266	4145	2689
				35	4347	4223	2740
	1	HI	36.3	40	4434	4308	2795
				50	4833	4696	3047
2	LO	56.8	30	2384	2254	1545	
			35	2429	2296	1574	
2	STD	64.0	40	2478	2343	1606	
			50	2701	2553	1751	
2	HI	71.7	30	3067	2899	1988	
			35	3125	2954	2025	
5'	1	LO	23.6	40	3188	3014	2066
				50	3475	3285	2252
	1	STD	33.6	30	3699	3497	2397
				35	3770	3564	2442
	1	HI	44.5	40	3845	3635	2492
				50	4191	3962	2716
2	LO	57.4	30	5909	5575	3567	
			35	6022	5682	3635	
2	STD	67.5	40	6142	5795	3708	
			50	6695	6317	4042	
2	HI	89.3	30	6545	6175	3951	
			35	6671	6294	4027	
6'	1	LO	23.6	40	6804	6420	4107
				50	7416	6997	4477
	1	STD	33.6	30	7136	6733	4308
				35	7273	6862	4390
	1	HI	44.5	40	7418	6999	4478
				50	8086	7629	4881
2	LO	57.4	30	2594	2515	1707	
			35	2643	2563	1739	
2	STD	67.5	40	2696	2614	1774	
			50	2939	2850	1934	
2	HI	89.3	30	3476	3370	2287	
			35	3542	3434	2330	
7'	1	LO	23.6	40	3613	3503	2377
				50	3938	3818	2591
	1	STD	33.6	30	4274	4144	2812
				35	4356	4224	2866
	1	HI	44.5	40	4443	4308	2923
				50	4843	4696	3186
2	LO	57.4	30	6015	5848	3756	
			35	6130	5960	3828	
2	STD	67.5	40	6253	6080	3905	
			50	6816	6627	4256	
2	HI	89.3	30	6853	6663	4279	
			35	6984	6791	4361	
8'	1	LO	23.6	40	7124	6927	4448
				50	7765	7550	4849
	1	STD	33.6	30	8335	8104	5205
				35	8494	8259	5304
	1	HI	44.5	40	8664	8424	5410
				50	9444	9182	5897
2	LO	57.4	30	8335	8104	5205	
			35	8494	8259	5304	
2	STD	67.5	40	8664	8424	5410	
			50	9444	9182	5897	
2	HI	89.3	30	8335	8104	5205	
			35	8494	8259	5304	

**NOTICE OF PUBLIC HEARING
CITY OF LOUISBURG**

The Louisburg Planning Commission will hold a public hearing at 6:00 P.M. on May 28, 2025, in the Council Chambers, 215 South Broadway, Louisburg, Kansas to consider a Variance application to allow for a deviation to the maximum structure height located within an “R-1” Single-Family Dwelling District as provided for by the City of Louisburg Zoning Regulations, pursuant to Article 5, Section 502, for property generally located south of East Amity Street and east of South Countryside Drive.

Case No. 25001-VAR
Deviation of the maximum structure height for sports field lighting
Unified School District 416

Proposed Variance: To allow sports field lighting system to exceed maximum height of thirty-five (35) feet for system that will illuminate proposed baseball / softball fields.

Legal Description

PARCEL DESCRIPTION:

S32, T16, R25, ACRES 51.09, TR BEG 35S NE/C NW4 TH S2435.5 (S) W340 S180 W410 N665.9 E202.5 N388.3 NWLY480 W316.2 N60 E379 N115 W379 N362.8 W280

TITLE DESCRIPTION:

Tract I: Beginning at the Northwest corner of the East half of the Northwest Quarter of Section 32, Township 16, Range 25, Miami County, Kansas, thence South to a point 362.80 feet North of the Northwest corner of Lot 7, Block 1, Country Side Meadows Addition to the City of Louisburg, thence East 280 feet, thence South 362.80 feet, thence East 379 feet, thence South 115 feet, thence East to the East line of the Northwest Quarter of said Section 32, thence North to the Northeast corner of said Northwest Quarter, thence West to the point of beginning, subject to that part in roads or streets.

Tract II: Beginning at a point 580 feet East of the Southwest corner of the East half of the Northwest Quarter of Section 32, Township 16 South, Range 25 East, said point being on the south line of the Northwest Quarter of said Section 32; thence North 665.97 feet, thence East 202.59 feet, thence North 388.34 feet to the Southeast corner of Lot 11, Block 1, Country Side Meadows Addition, City of Louisburg, thence North 22 degrees 21 minutes West 480 feet to the Northeast corner of Lot 9, Block 1, Country Side Meadows Addition, City of Louisburg, thence West along the North in of said Lot 9, Block 1, a distance of 316.2 feet to the Northwest corner of said Lot 9, Block 1, thence North along the West line of Lot 8, Block 1, Country Side Meadows Addition, City of Louisburg, a distance of 60 feet, thence East a distance of 1044.06 feet to the East line of the Northwest Quarter of said Section 31 , thence South along the East line of said Section 32, a distance of 1567.5 feet to the center of said Section 32, thence West along the South line of the Northwest Quarter of said Section

32, a distance of 750 feet to the place of beginning, all being a part of the East half of the Northwest Quarter of Section 32, Township 16 South, Range 25 East, City of Louisburg, Miami County, Kansas, except that part in streets or roads.

Except the following:

A tract of land in the Northwest Quarter of Section 32, Township 16 South, Range 25 East of the Sixth Principal Meridian, being more particularly described as follows: Beginning at the center of Section 32, Township 16 South, Range 25 East, the TRUE POINT OF BEGINNING; thence West for a distance of 340.00 feet along the South line of the Northwest Quarter of Section 32; thence North for a distance of 180.00 feet parallel with the East line of said Quarter Section; thence East a distance of 340.00 feet parallel with the South line of said Quarter Section to the East line of the Northwest Quarter of Section 32; thence South along the East line of said Quarter Section to the TRUE POINT OF BEGINNING all being a part of the East half of the Northwest Quarter of Section 32, Township 16 South, Range 25 East, City of Louisburg, Miami County.

Anyone wishing to address this application may attend the public hearing or submit written comments to the Board of Zoning Appeals. Information regarding this application may be obtained before the hearing by contacting the Louisburg Planning & Development Department, 215 South Broadway, Louisburg, Kansas 66053.

If you require accommodations (qualified interpreter, hearing assistance, etc.) in order to attend this meeting, please contact Katherine Louderbaugh at (913) 837-5811 at least 48 hours in advance.