Appendix

Appendix B Lighting Plans for Cajon High School

Appendix

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Cajon High School Athletic Playfields San Bernardino,CA

Lighting System

Pole / Fixture	Summary					
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
A1-A2, D2	70'	70'	4	TLC-LED-1200	4.68 kW	Α
		16'	1	TLC-BT-575	0.58 kW	Α
A3-A4	70'	70'	3	TLC-LED-1200	3.51 kW	С
		70'	1	TLC-LED-1500	1.43 kW	С
		16'	1	TLC-BT-575	0.58 kW	С
A5-A6	70'	70'	4	TLC-LED-1200	4.68 kW	D
		16'	1	TLC-BT-575	0.58 kW	D
A7	70'	70'	1	TLC-LED-1200	1.17 kW	В
		70'	2	TLC-LED-900	1.78 kW	В
		16'	1	TLC-BT-575	0.58 kW	В
A8	70'	70'	4	TLC-LED-1200	4.68 kW	G
		70'	1	TLC-LED-1200	1.17 kW	В
		16'	1	TLC-BT-575	0.58 kW	В
		70'	2	TLC-LED-900	1.78 kW	В
B1-B2	80'	80'	1	TLC-LED-1200	1.17 kW	Α
		80'	7	TLC-LED-1500	10.01 kW	Α
		16'	1	TLC-BT-575	0.58 kW	Α
В3	80'	80'	6	TLC-LED-1500	8.58 kW	С
		16'	3	TLC-BT-575	1.73 kW	С
B4	80'	80'	2	TLC-LED-1200	2.34 kW	Α
		80'	5	TLC-LED-1500	7.15 kW	С
		16'	1	TLC-BT-575	0.58 kW	Α
		16'	2	TLC-BT-575	1.15 kW	С
B5-B6	70'	70'	4	TLC-LED-1500	5.72 kW	В
		16'	2	TLC-BT-575	1.15 kW	В
C2	70'	70'	4	TLC-LED-1200	4.68 kW	Α
		70'	1	TLC-LED-900	0.89 kW	А
		16'	1	TLC-BT-575	0.58 kW	A
D1	70'	70'	7	TLC-LED-1500	10.01 kW	С
		16'	1	TLC-BT-575	0.58 kW	Α
		70'	4	TLC-LED-1200	4.68 kW	Α
		70'	1	TLC-LED-400	0.40 kW	С
		16'	3	TLC-BT-575	1.73 kW	С
P1-P4	60'	60'	3	TLC-LED-900	2.67 kW	Н
	-	40'	1	TLC-LED-400	0.40 kW	1
T1-T2	60'	60'	4	TLC-LED-1200	4.68 kW	F
T3	60'	60'	4	TLC-LED-1200	4.68 kW	F
		60'	4	TLC-LED-1200	4.68 kW	G
T4	60'	60'	4	TLC-LED-1200	4.68 kW	G
T6	60'	60'	4	TLC-LED-1200	4.68 kW	G
		60'	4	TLC-LED-1200	4.68 kW	F
26			162		176.38 kW	

Circuit Summ	nary		
Circuit	Description	Load	Fixture Qty
Α	Varsity Baseball	53.59 kW	47
В	Varsity Softball	20.79 kW	20
С	JV Baseball	41.77 kW	37
D	JV Softball Infield	10.51 kW	10
F	Tennis 1-5	18.72 kW	16
G	Tennis 6-10	18.72 kW	16
Н	Pool	10.68 kW	12
Ī	Pool Egress	1.6 kW	4

From Hometown to Professional









Cajon High School Athletic Playfields San Bernardino,CA

Fixture Type Summary							
Type	Source	Wattage	Lumens	L90	L80	L70	Quantity
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	136,000	>120,000	>120,000	>120,000	72
TLC-LED-1500	LED 5700K - 75 CRI	1430W	160,000	>120,000	>120,000	>120,000	42
TLC-LED-900	LED 5700K - 75 CRI	890W	89,600	>120,000	>120,000	>120,000	17
TLC-LED-400	LED 5700K - 75 CRI	400W	46,500	>120,000	>120,000	>120,000	5

Light Level Summary

alculation Grid Summary				Illumination				
Grid Name	Calculation Metric	Ave	Min	Max	Max/Min	Ave/Min	Circuits	Fixture Qty
JV Baseball (Infield)	Horizontal Illuminance	51.3	44	60	1.38	1.17	C,D	47
JV Baseball (Outfield)	Horizontal Illuminance	31.9	23	48	2.09	1.39	C,D	47
JV Softball (Infield)	Horizontal Illuminance	53.4	36	68	1.89	1.48	D,C	47
JV Softball (Outfield)	Horizontal Illuminance	32.4	21	48	2.24	1.54	D,C	47
JVBB 1st Base Bullpen	Horizontal	26	17	37	2.14	1.53	C,D,E	47
Pool 1	Horizontal	59.4	45	70	1.55	1.32	Н	12
Pool 2	Horizontal	61.5	46	71	1.52	1.34	Н	12
Pool Deck Horizontal		39.7	9	68	7.84	4.41	Н	12
Pool Egress	Horizontal	6.32	0	14	83.32		I	4
Tennis 1-5	Horizontal Illuminance	52.3	36	67	1.87	1.45	F	16
Tennis 6-10	Horizontal Illuminance	52.1	38	72	1.91	1.37	G	16
VBB 1st Base Bullpen	Horizontal	24.8	21	29	1.36	1.18	Α	47
VBB 3rd Base Bullpen	Horizontal	28	14	35	2.44	2.00	Α	47
Varsity Baseball (Infield)	Horizontal Illuminance	51.1	39	59	1.50	1.31	Α	47
Varsity Baseball (Outfield) Horizontal Illuminance		30.9	21	47	2.23	1.47	Α	47
Varsity Softball (Infield) Horizontal Illuminance		50.2	42	61	1.46	1.19	В	20
Varsity Softball (Outfield)	Horizontal Illuminance	31.5	20	44	2.23	1.58	В	20

From Hometown to Professional

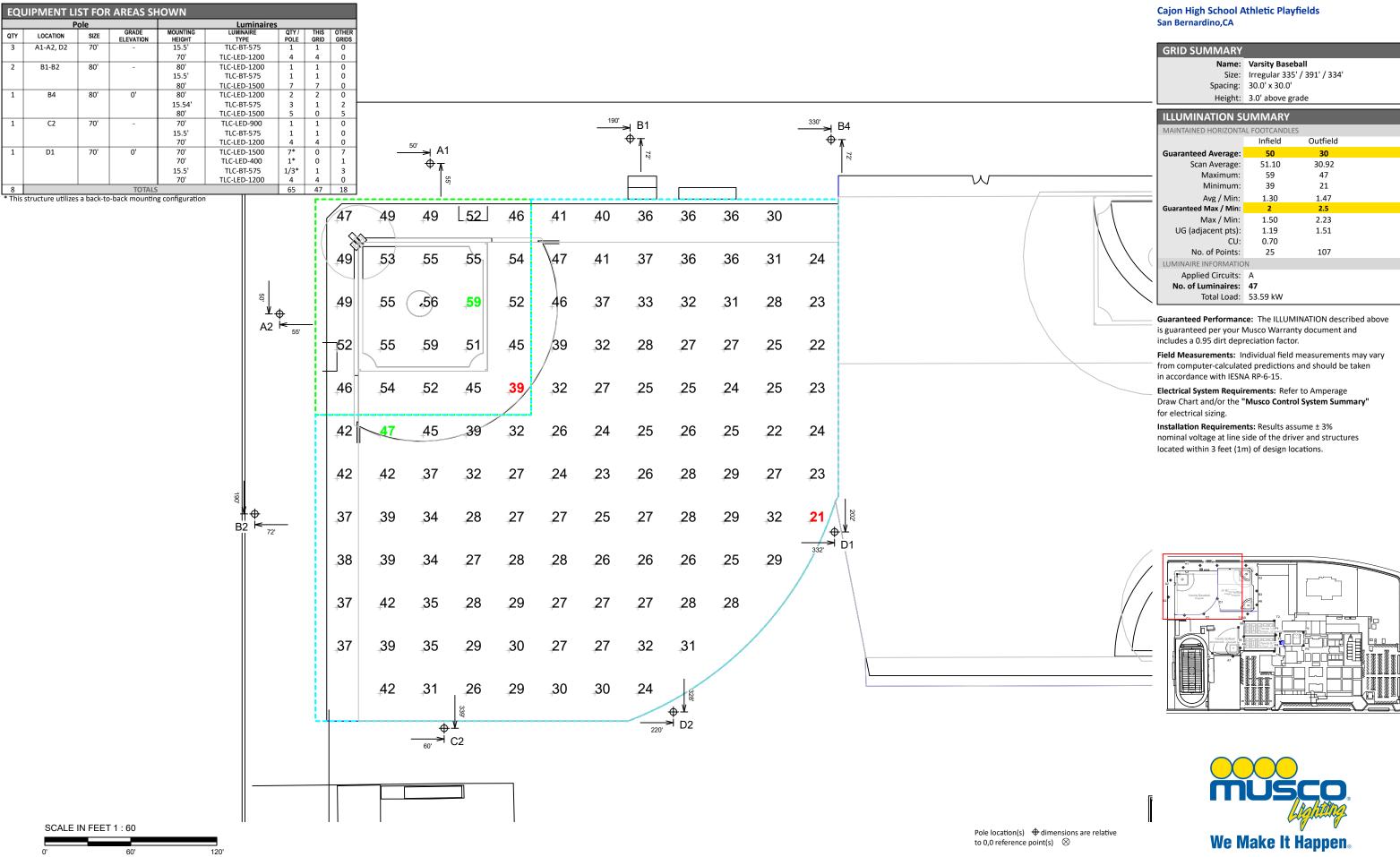












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ENGINEERED DESIGN By: Brendon Guler · File #207888C · 07-Jun-21

EQI	JIPMENT LI	ST FOR	AREAS SH	IOWN				
	P	ole			Luminaires			
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE Type	QTY / POLE	THIS GRID	OTHER GRIDS
3	A1-A2, D2	70'	-	15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	4	4	0
2	B1-B2	80'	-	80'	TLC-LED-1200	1	1	0
				15.5'	TLC-BT-575	1	1	0
				80'	TLC-LED-1500	7	7	0
1	B4	80'	0'	80'	TLC-LED-1200	2	2	0
				15.54'	TLC-BT-575	3	1	2
				80'	TLC-LED-1500	5	0	5
1	C2	70'	-	70'	TLC-LED-900	1	1	0
				15.5'	TLC-BT-575	1	1	0
				70'	TLC-LED-1200	4	4	0
1	D1	70'	0'	70'	TLC-LED-1500	7*	0	7
				70'	TLC-LED-400	1*	0	1
				15.5'	TLC-BT-575	1/3*	1	3
				70'	TLC-LED-1200	4	4	0
8			TOTALS			65	47	18

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

_	190	_	ΙE	31
		+	Þ7	Γ
				72'

30 32 31 28 23 18 14

35 34 33 30 26 22

Cajon High School Athletic Playfields San Bernardino,CA

RRID SUMMARY

Name: VBB 3rd Base Bullpen
Size: Irregular 335' / 391' / 334'
Spacing: 10.0' x 10.0'
Height: 0.0' above grade

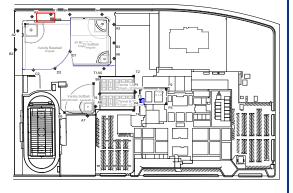
ILLUMINATION S	UMMARY	
MAINTAINED HORIZONTA	AL FOOTCANDLES	
	Entire Grid	
Scan Average:	27.98	
Maximum:	35	
Minimum:	14	
Avg / Min:	1.96	
Max / Min:	2.44	
UG (adjacent pts):	1.56	
CU:	0.01	
No. of Points:	14	
LUMINAIRE INFORMATIO	N	
Applied Circuits:	Α	
No. of Luminaires:	47	
Total Load:	53.59 kW	

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.





EQI	JIPMENT LI	ST FOR	AREAS SH	IOWN						
	P	ole								
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT		LUMIN. TYP		QTY / POLE	THIS GRID	OTHER GRIDS
3	A1-A2, D2	70'	-	15.5'	T	LC-B1	r-575	1	1	0
				70'	TL	C-LED	-1200	4	4	0
2	B1-B2	80'	-	80'	TL	C-LED	-1200	1	1	0
				15.5'	т	LC-B1	T-575	1	1	0
				80'	TL	C-LED	-1500	7	7	0
1	B4	80'	0'	80'	TL	C-LED	-1200	2	2	0
				15.54'	т	TLC-BT-575		3	1	2
				80'	TL	C-LED	-1500	5	0	5
1	C2	70'	-	70'	TL	.C-LE	0-900	1	1	0
				15.5'	т	LC-B1	r-575	1	1	0
				70'	TL	C-LED	-1200	4	4	0
1	D1	70'	0'	70'	TL	C-LED	-1500	7*	0	7
				70'	TLC-LED-400		1*	0	1	
				15.5'	TLC-BT-575		1/3*	1	3	
				70'	TL	C-LED	4	4	0	
8			TOTALS					65	47	18

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

22 27

22 28

23 **29**

22 28

21 26

Cajon High School Athletic Playfields San Bernardino,CA

GRID SUMMARY

Name:
Size:
Spacing:
10.0' x 10.0'
Height:
0.0' above grade

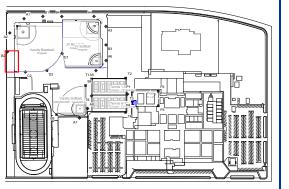
ILLUMINATION S	UMMARY
MAINTAINED HORIZONTA	AL FOOTCANDLES
	Entire Grid
Scan Average:	24.84
Maximum:	29
Minimum:	21
Avg / Min:	1.18
Max / Min:	1.36
UG (adjacent pts):	1.27
CU:	0.00
No. of Points:	10
LUMINAIRE INFORMATIO	N
Applied Circuits:	A
No. of Luminaires:	47
Total Load:	53.59 kW

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.

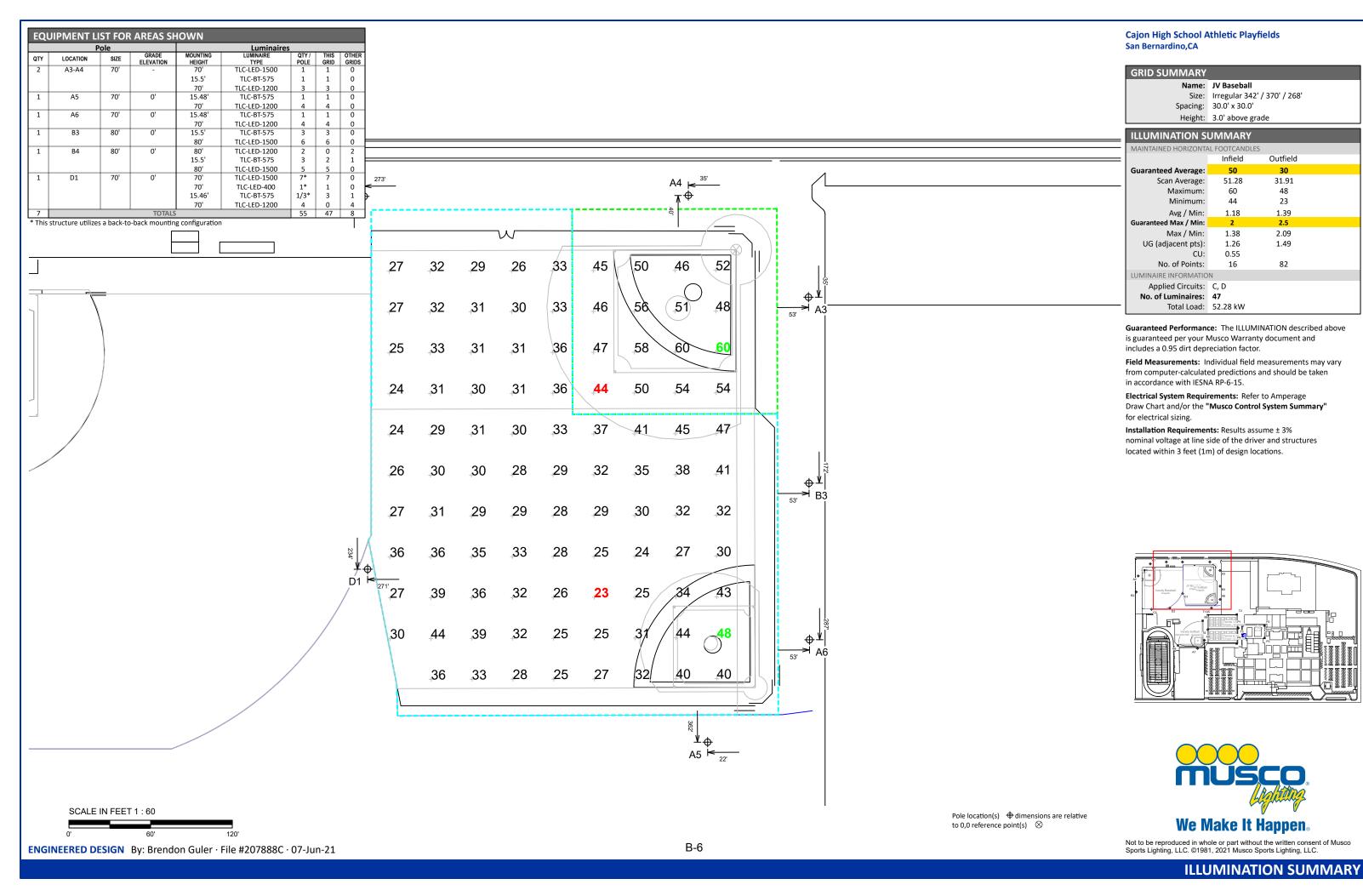




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Pole location(s) \oplus dimensions are relative to 0,0 reference point(s) \otimes

SCALE IN FEET 1:10



EQI	JIPMENT L	IST FOR	AREAS SH	IOWN								
	F	ole			Luminaires							
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE Type	QTY / POLE	THIS GRID	OTHER GRIDS				
2	A3-A4	70'	-	70'	TLC-LED-1500	1	1	0				
				15.5'	TLC-BT-575	1	1	0				
				70'	TLC-LED-1200	3	3	0				
1	A5	70'	0'	15.48'	TLC-BT-575	1	1	0				
				70'	TLC-LED-1200	4	4	0				
1	A6	70'	0'	15.48'	TLC-BT-575	1	1	0				
				70'	TLC-LED-1200	4	4	0				
1	B3	80'	0'	15.5'	TLC-BT-575	3	3	0				
				80'	TLC-LED-1500	6	6	0				
1	B4	80'	0'	80'	TLC-LED-1200	2	0	2				
				15.5'	TLC-BT-575	3	2	1				
				80'	TLC-LED-1500	5	5	0				
1	D1	70'	0'	70'	TLC-LED-1500	7*	7	0				
				70'	TLC-LED-400	1*	1	0				
				15.46'	TLC-BT-575	1/3*	3	1				
			TLC-LED-1200	4	0	4						
7		TOTALS										

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

17 19 21 24 26 27 27

21 23 25 28 32 35 <mark>37</mark>

Cajon High School Athletic Playfields San Bernardino,CA

GRID SUMMARY

Name:
Size:
Spacing:
10.0' x 10.0'
Height:
3.0' above grade

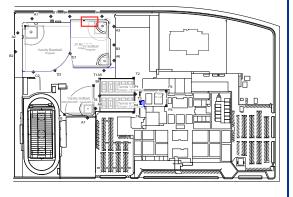
ILLUMINATION S	UMMARY
MAINTAINED HORIZONTA	AL FOOTCANDLES
	Entire Grid
Scan Average:	25.95
Maximum:	37
Minimum:	17
Avg / Min:	1.50
Max / Min:	2.14
UG (adjacent pts):	1.36
CU:	0.01
No. of Points:	14
LUMINAIRE INFORMATIO	N
Applied Circuits:	C, D, E
No. of Luminaires:	47
Total Load:	52.28 kW

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.

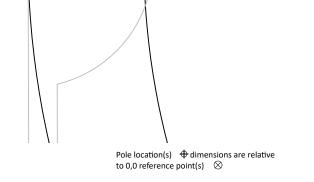
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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





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SCALE IN FEET 1 : 10
0' 20' 40'

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EQUIPMENT LIST FOR AREAS SHOWN Pole Luminaires GRADE MOUNTING LUMINAIRE OTY/ THIS OTHER																						
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE Type	QTY / POLE	THIS OTHER GRID GRIDS															
2	A3-A4	70'	0'	70' 15.52'	TLC-LED-150	5 1	1 0 1															
1	A5	70'	-	70' 15.5' 70'	TLC-LED-120 TLC-BT-57! TLC-LED-120	5 1	3 0 1 0 4 0	-														
1	A6	70'	0'	15.5' 70'	TLC-BT-57! TLC-LED-120	5 1	1 0 4 0	-				\		11		\		1				
1	В3	80'	0'	15.52' 80'	TLC-BT-57!	5 3	3 0 6 0															
1	В4	80'	0'	80' 15.52'	TLC-LED-120 TLC-BT-57	5 3	0 2 2 1															
1	D1	70'	0'	80' 70'	TLC-LED-150	00 7*	5 0	_											-			
				70' 15.48' 70'	TLC-LED-40 TLC-BT-57! TLC-LED-120	5 1/3*	1 0 3 1 0 4					,										
7 * This	structure utilize	es a back-to	TOTALS o-back mountin			55	47 8]														
														<u></u>					+			
						23	.28	29	.30	30	.31	.33	.36	39	42	45	<u>4</u> 7	48	43			
						23	.27	.30	.31	30	29	.30	.32	34	.37	40	43	44	42	29		
							*					•	•	-	*	•					40'	
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						25	40	43	.38	34	.30	26	25	29	.36	46	58	.68	64	.54		
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							.36	₋ 37	35	.31	28	.28	₄ 30	.39	4 5	55	₋ 57	₋ 58	.57	47	'	
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																	<u>¥</u> A5	♦				
																	, 10	35'				

SCALE IN FEET 1:40

ENGINEERED DESIGN By: Brendon Guler · File #207888C · 07-Jun-21

Pole location(s) \bigoplus dimensions are relative to 0,0 reference point(s) \bigotimes

Cajon High School Athletic Playfields San Bernardino,CA

Rame:
Size:
Spacing:
Height:
SIN Softball
Irregular 263' / 290' / 205'
20.0' x 20.0'
3.0' above grade

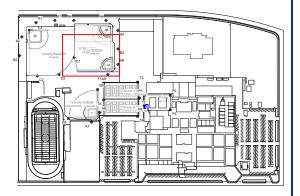
ILLUMINATION SUMMARY						
MAINTAINED HORIZONTAL FOOTCANDLES						
	Infield	Outfield				
Guaranteed Average:	50	30				
Scan Average:	53.42	32.42				
Maximum:	68	48				
Minimum:	36	21				
Avg / Min:	1.48	1.53				
Guaranteed Max / Min:	2	2.5				
Max / Min:	1.89	2.24				
UG (adjacent pts):	1.31	1.62				
CU:	0.41					
No. of Points:	25	135				
LUMINAIRE INFORMATION						
Applied Circuits:	C, D					
No. of Luminaires:	47					
Total Load:	52.28 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.

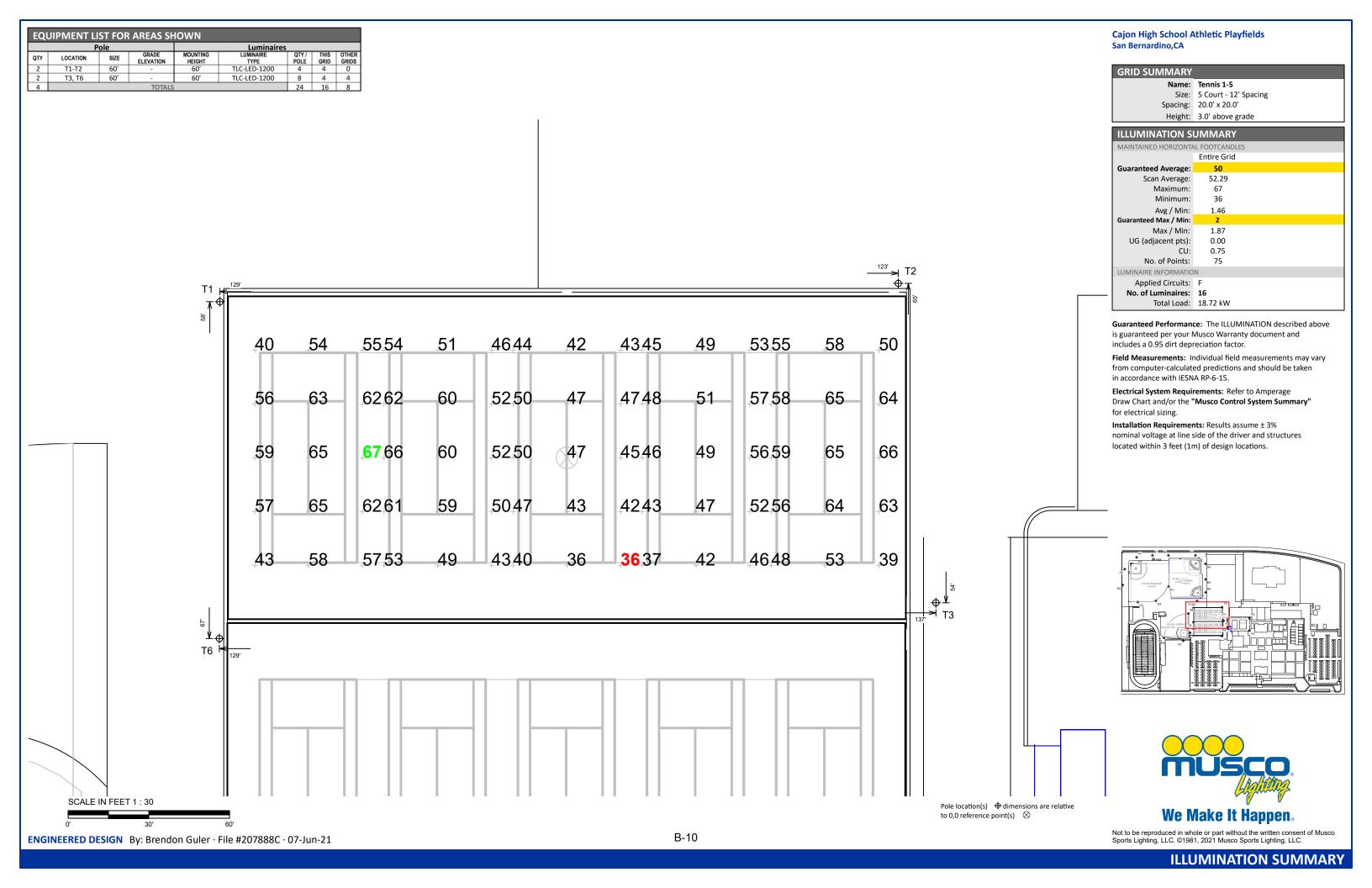
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "**Musco Control System Summary**" for electrical sizing.

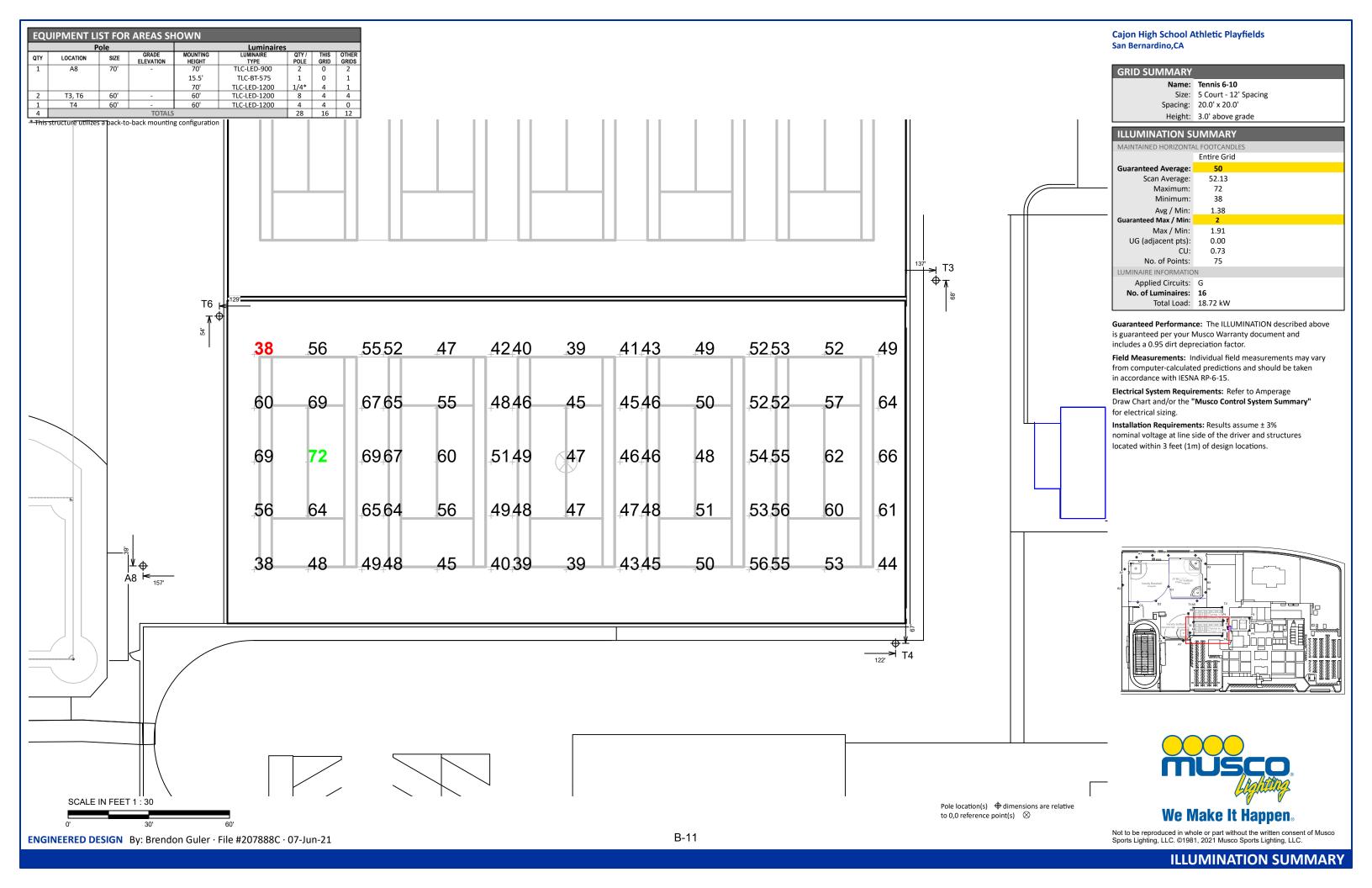
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

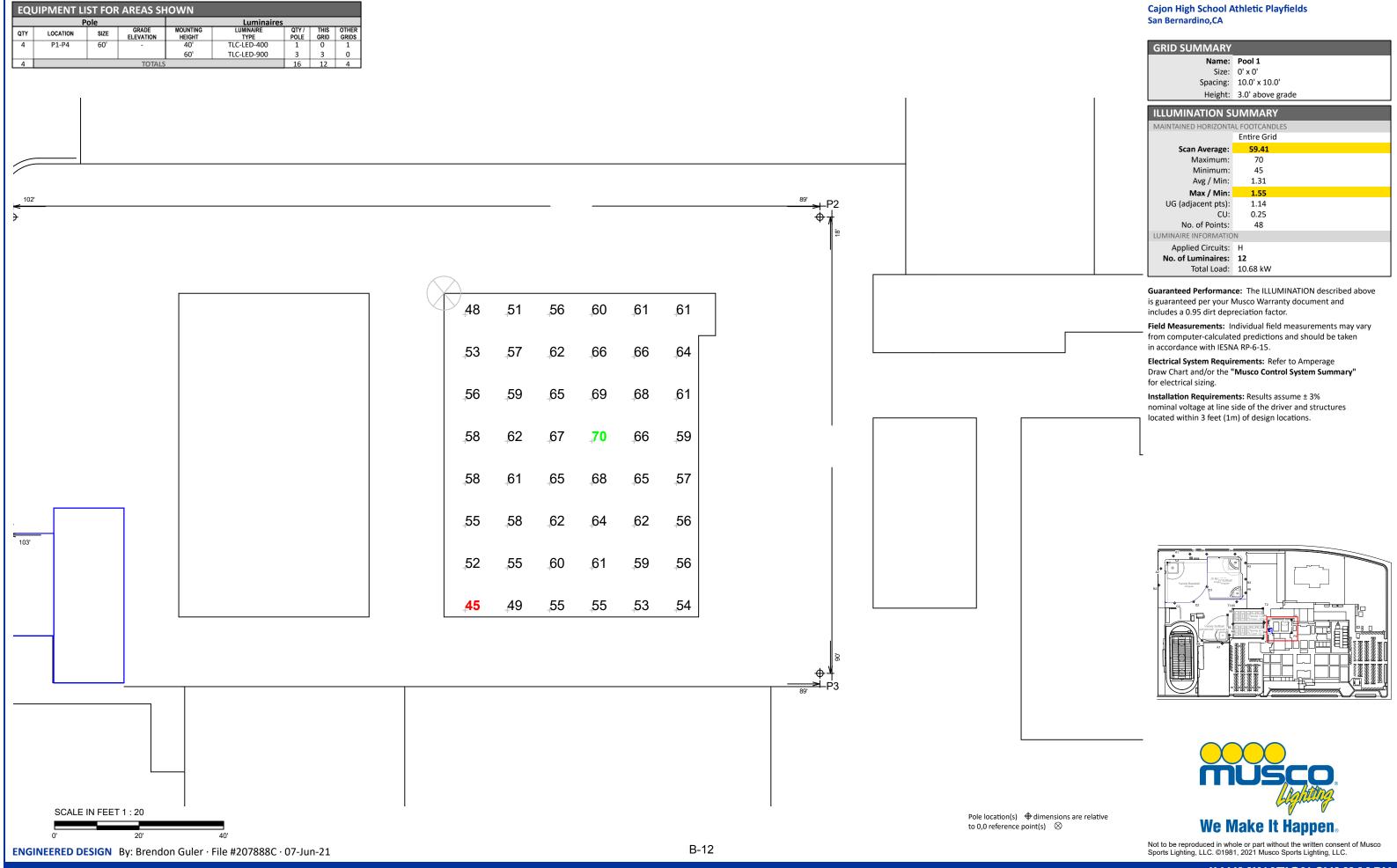


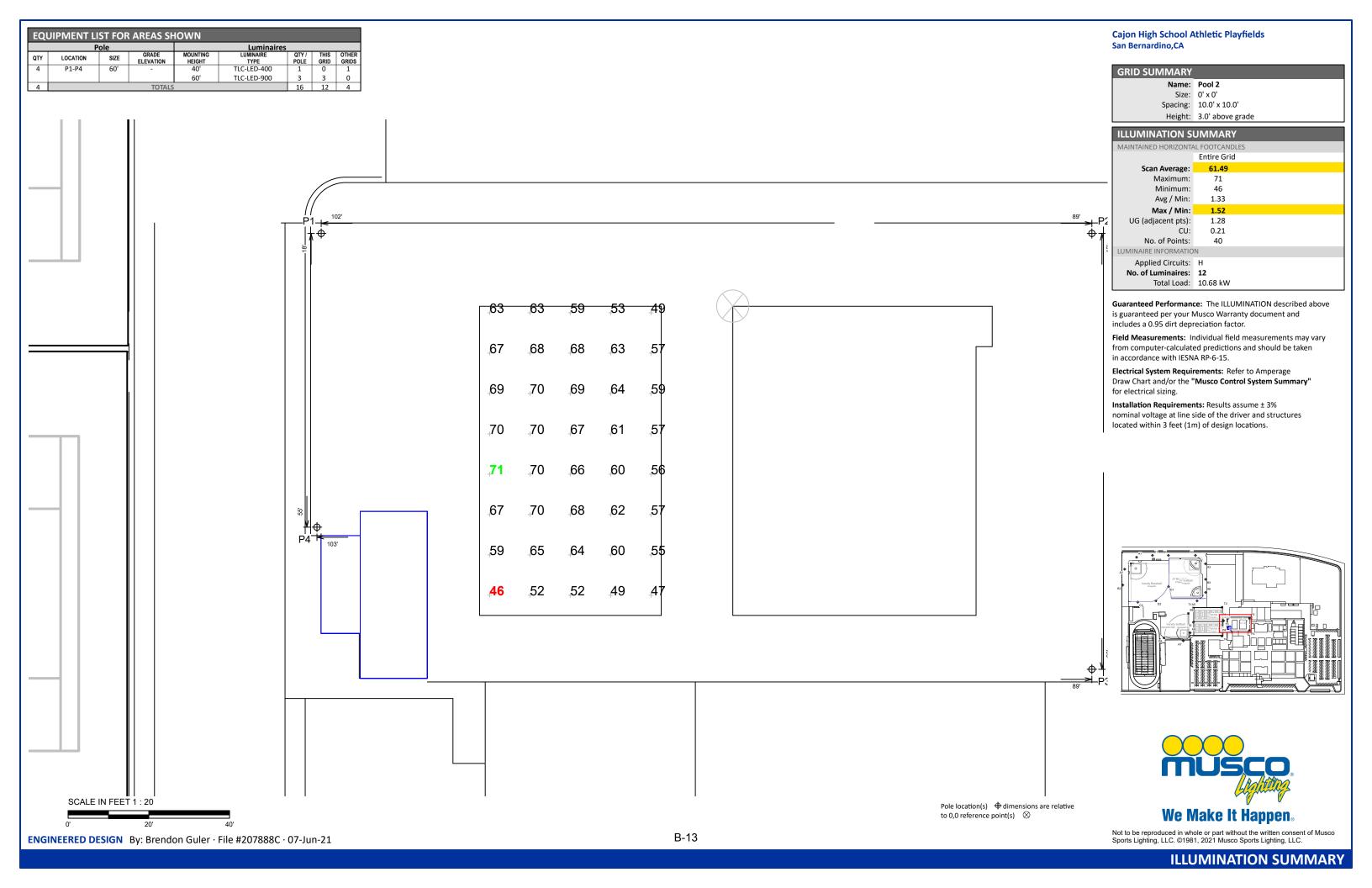


EQUIPMENT LIST FOR AREAS SHOWN Cajon High School Athletic Playfields San Bernardino,CA LOCATION SIZE ELEVATION **GRID SUMMARY** 15.5' TLC-BT-575 Name: Varsity Softball TLC-LED-1200 Size: 200'/200'/200' - basepath 60' Α8 70' 70' TLC-LED-900 Spacing: 20.0' x 20.0' TLC-BT-575 15.5' TLC-LED-1200 1/4* Height: 3.0' above grade 15.5' 70' TLC-BT-575 B5-B6 70' TLC-LED-1500 **ILLUMINATION SUMMARY** 4 TOTALS * This structure utilizes a back-to-back mounting configuration Infield Outfield **Guaranteed Average:** 31.50 Scan Average: 50.16 Maximum: 61 44 20 Minimum: 42 Avg / Min: 1.61 1.20 **→** B6 Guaranteed Max / Min: 2.5 Max / Min: 1.46 2.23 1.27 1.58 UG (adjacent pts): .27 20 CU: 0.66 73 No. of Points: 25 Applied Circuits: B 32 34 37 No. of Luminaires: 20 Total Load: 20.79 kW Guaranteed Performance: The ILLUMINATION described above 25 30 38 37 31 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 29 33 25 32 28 in accordance with IESNA RP-6-15. Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" 25 29 32 35 36 _33 30 30 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. 33 38 30 35 40 _38 29 35 37 53 .51 34 53 34 38 36 36 53 60 60 .55 *5*0 37 .37 56 27 _33 43 48 _34 **61** 32 30 33 51 52 47 53 _31 25 27 32 39 43 .50 46 SCALE IN FEET 1:40 We Make It Happen to 0,0 reference point(s) \otimes Not to be reproduced in whole or part without the written consent of Musco Sports Lighting, LLC. ©1981, 2021 Musco Sports Lighting, LLC. B-9 **ENGINEERED DESIGN** By: Brendon Guler · File #207888C · 07-Jun-21



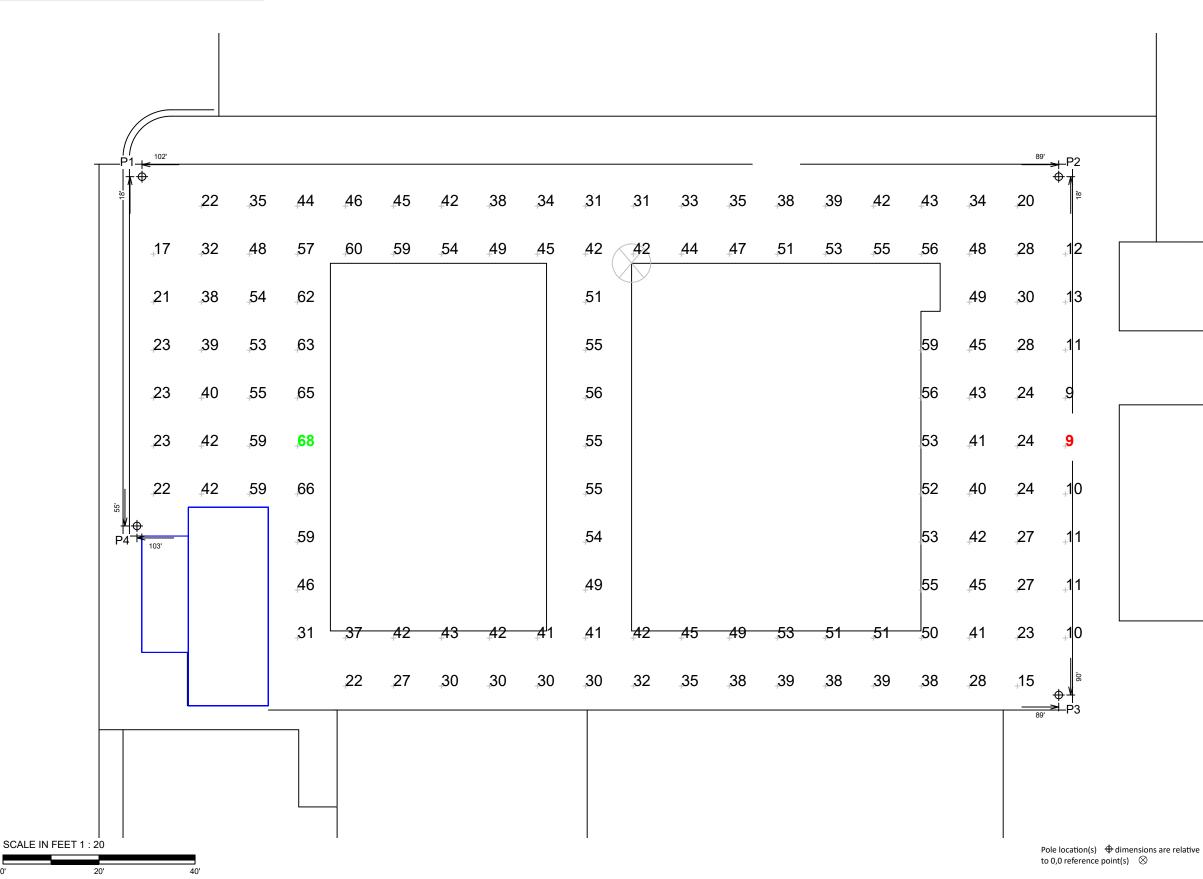






EQUIPMENT LIST FOR AREAS SHOWN								
Pole Luminaires								
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE Type	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	60'	-	40'	TLC-LED-400	1	0	1
				60'	TLC-LED-900	3	3	0
4 TOTALS			16	12	4			

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Cajon High School Athletic Playfields San Bernardino,CA

RRID SUMMARY

Name: Pool Deck
Size: 0' x 0'
Spacing: 10.0' x 10.0'
Height: 3.0' above grade

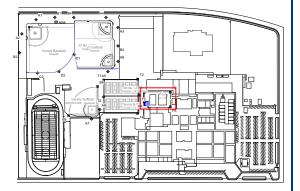
ILLUMINATION SUMMARY					
MAINTAINED HORIZONTAL FOOTCANDLES					
	Entire Grid				
Scan Average:	39.66				
Maximum:	68				
Minimum:	9				
Avg / Min:	4.56				
Max / Min:	7.84				
UG (adjacent pts):	2.74				
CU:	0.43				
No. of Points:	126				
LUMINAIRE INFORMATION					
Applied Circuits:	Н				
No. of Luminaires:	Luminaires: 12				
Total Load:	10.68 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.

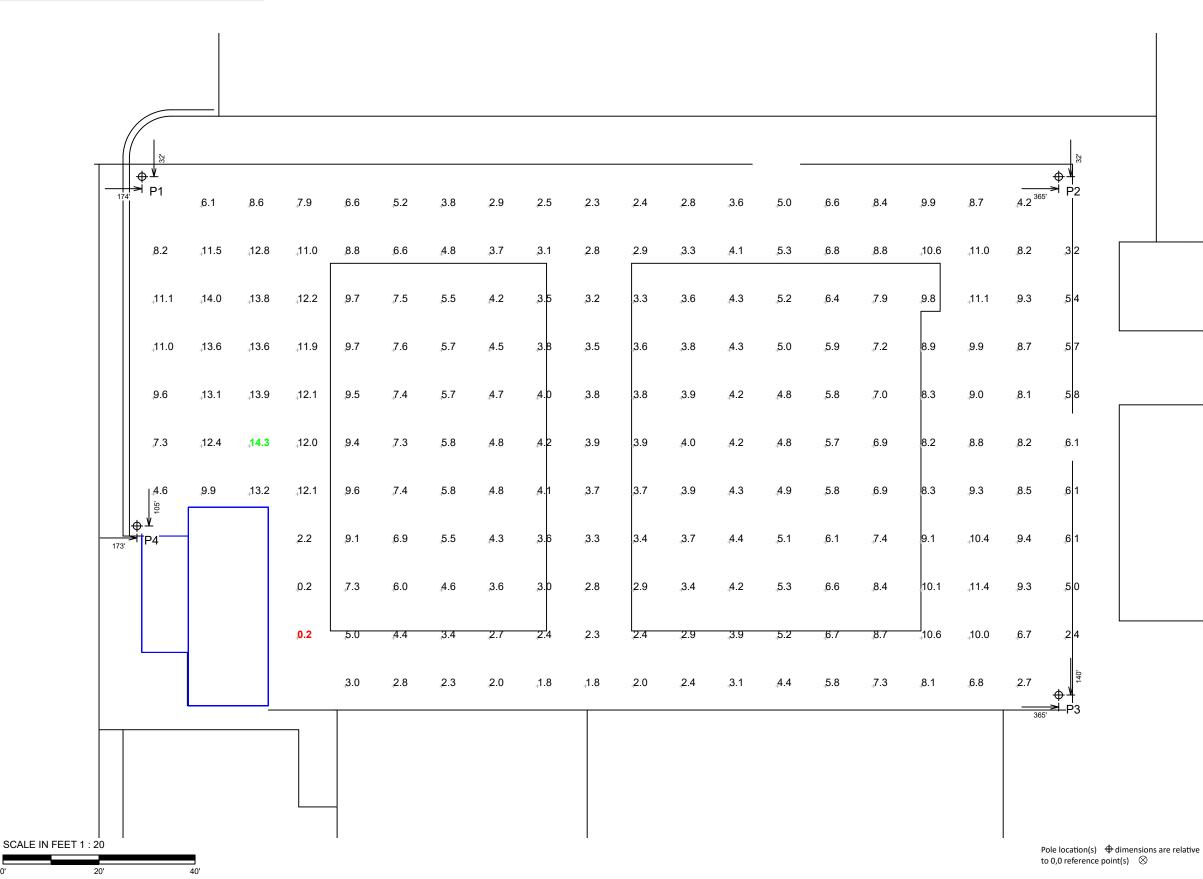
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.





EQUIPMENT LIST FOR AREAS SHOWN								
	Pole Luminaires							
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE Type	QTY / POLE	THIS GRID	OTHER GRIDS
4	P1-P4	60'	-	40'	TLC-LED-400	1	1	0
				60'	TLC-LED-900	3	0	3
4 TOTALS				16	4	12		

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Cajon High School Athletic Playfields San Bernardino,CA

RID SUMMARY

Name: Pool Egress
Size: 5 Court - 12' Spacing
Spacing: 10.0' x 10.0'
Height: 3.0' above grade

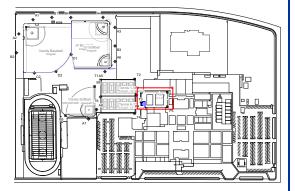
ILLUMINATION SUMMARY				
MAINTAINED HORIZONTAL FOOTCANDLES				
Entire Grid				
Scan Average:	6.32			
Maximum:	14			
Minimum:	0			
Avg / Min:	36.82			
Max / Min:	83.32			
UG (adjacent pts):	38.99			
CU:	0.76			
No. of Points:	204			
LUMINAIRE INFORMATION				
Applied Circuits:	I			
No. of Luminaires: 4				
Total Load:	1.6 kW			

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

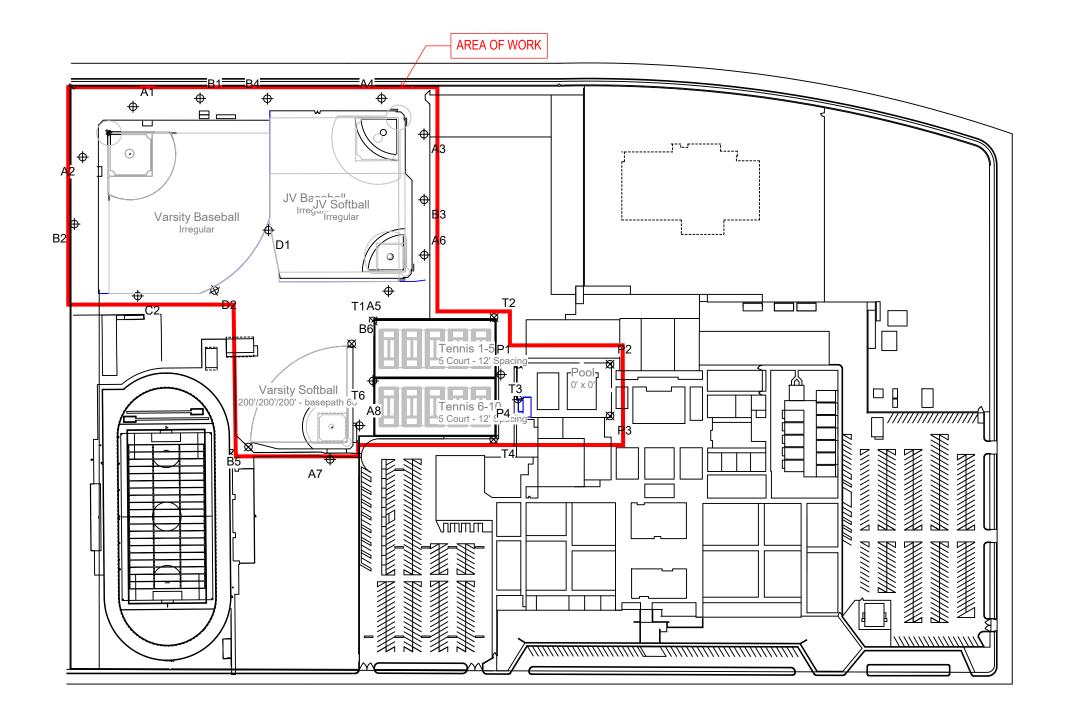
Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

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.







Cajon High School Athletic Playfields San Bernardino,CA

EQUIPMENT LAYOUT

INCLUDES:

· JV Baseball

· JV Softball

· Pool

· Tennis 1-5

Tennis 6-10 Varsity Baseball

· Varsity Baseball

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

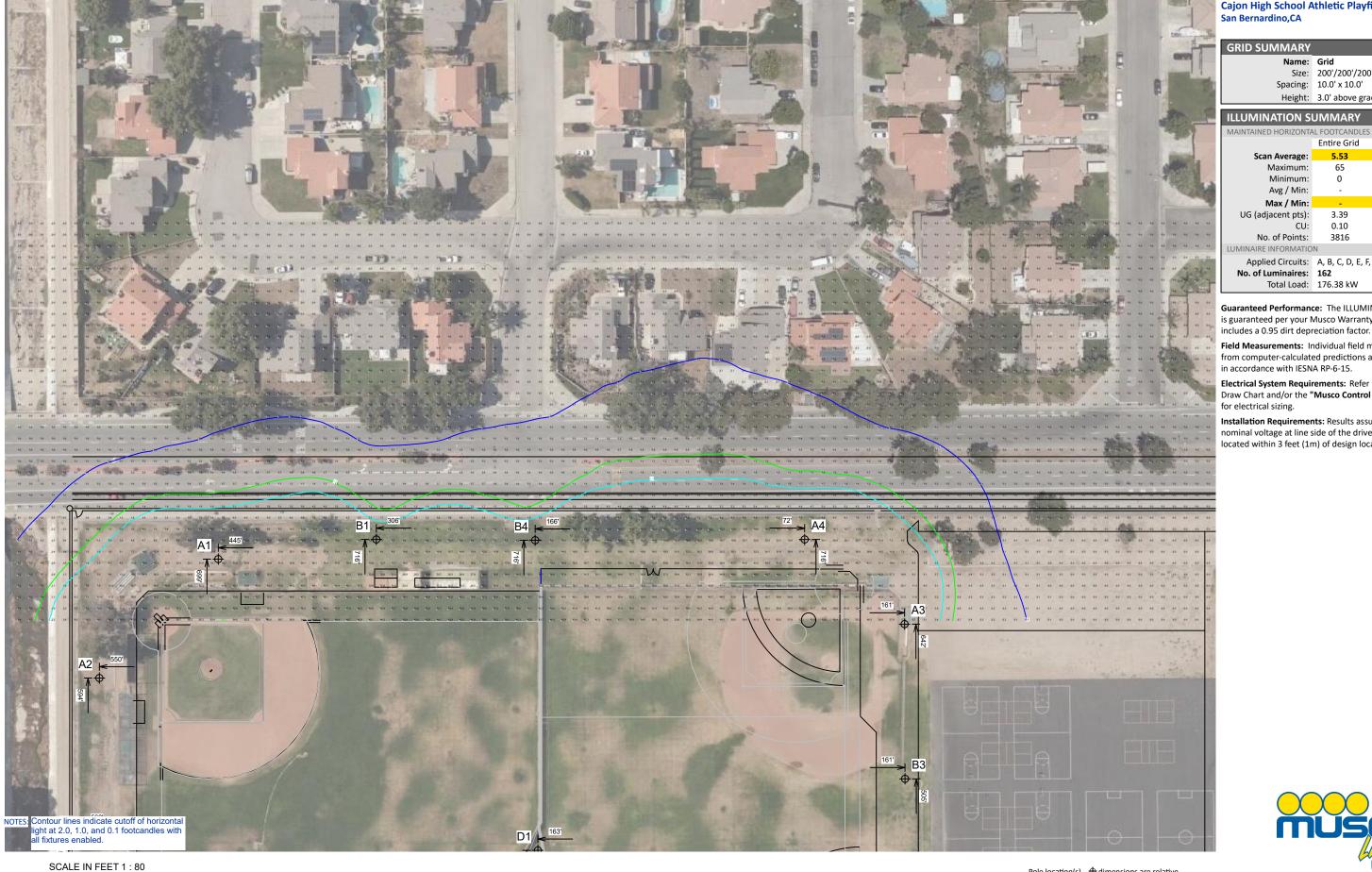
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SINGLE LUMINAIRE AMPERAGE DRAW CHART							
Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208	220	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-BT-575	3.4	3.2	2.9	2.5	2.0	1.8	1.5
FLC-LED-1200	7.0	6.6	6.1	5.2	4.2	4.0	3.0
TLC-LED-1500	8.5	8.1	7.4	6.4	5.1	4.7	3.7
TLC-LED-900	5.3	5.0	4.6	4.0	3.2	2.9	2.3
TLC-LED-400	2.3	2.2	2.0	1.7	1.4	1.3	1.0



Pole location(s) \bigoplus dimensions are relative to 0,0 reference point(s) \bigotimes

ENGINEERED DESIGN By: Brendon Guler · File #207888C · 07-Jun-21



ENGINEERED DESIGN By: Brendon Guler · File #207888C · 09-Jul-21

Cajon High School Athletic Playfields San Bernardino,CA

GRID SUMMARY

Name: Grid

Size: 200'/200'/200' - basepath 60' Spacing: 10.0' x 10.0'

Height: 3.0' above grade

ILLUMINATION SUMMARY

Scan Average: Maximum: Minimum: Avg / Min: Max / Min: 3.39 UG (adjacent pts):

No. of Points: 3816 LUMINAIRE INFORMATION

Applied Circuits: A, B, C, D, E, F, G, H, I No. of Luminaires: 162 Total Load: 176.38 kW

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

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.

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Pole location(s) \bigoplus dimensions are relative to 0,0 reference point(s) \bigotimes