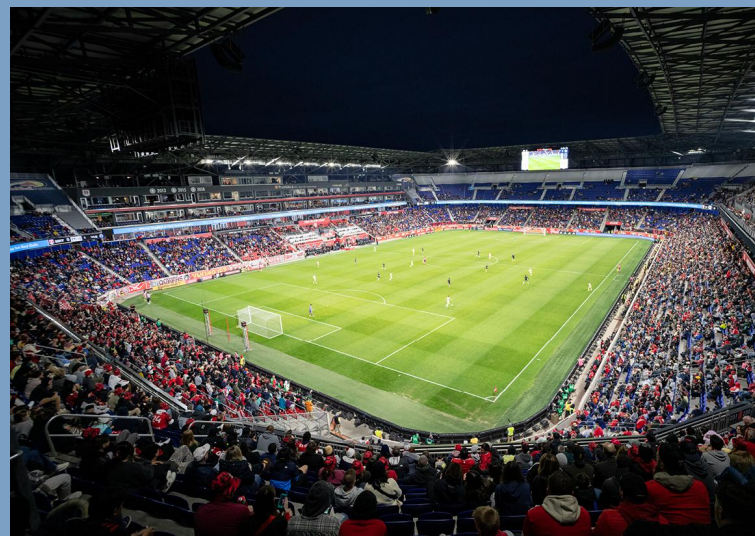




Sports Illustrated Stadium, Harrison, New Jersey, USA



UBS Arena, Elmont, New York, USA



Iowa Women of Achievement Bridge, Des Moines, Iowa, USA



Tottenham Hotspur FC Training Ground, Tottenham, London, UK

Highland Park HS Practice Field

Dallas, TX



Sales Representative: Chris Johnson · Designed By: Jake McCrea · Design No.: 251445A · January 29, 2026

Highland Park HS Practice Field
Dallas,TX

LIGHTING SYSTEM

Structure/Fixture Summary						
Structure ID	Structure Height	Fixt. Attachment Ht.	Fixture Qty	Fixture Type	Load	Circuit
F1-F4	70'	70'	1	TLC-LED-900	0.88 kW	A
		70'	7	TLC-LED-1200	8.19 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
4			40		40.88 kW	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Football	40.88 kW	40

Fixture Type Summary								
Type	Circuit	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-BT-575	A	LED 5700K - 75 CRI	575W	52,000	>120,000	>120,000	>120,000	8
TLC-LED-1200	A	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	28
TLC-LED-900	A	LED 5700K - 75 CRI	880W	104,000	>120,000	>120,000	>120,000	4

Single Fixture Amperage Draw Chart								
Driver Specifications (.90 min power factor)			Line Amperage Per Fixture (max draw)					
Single Phase Voltage			208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	480 (60)
TLC-LED-1200			6.9	6.5	6.0	5.2	4.2	3.0
TLC-LED-900			5.2	4.9	4.5	3.9	3.1	2.3
TLC-BT-575			3.3	3.2	2.9	2.5	2.0	1.5

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Blanket Grid	Horizontal	6.85	0	65	-	-	A	40
Football	Horizontal Illuminance	55.40	46	62	1.36	1.21	A	40
Property Spill Line	Horizontal	3.16	0	17	-	-	A	40
Soccer	Horizontal Illuminance	52.79	41	64	1.56	1.29	A	40

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

Field Measurements: Individual field measurements may vary from computer-calculated predictions.

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							
Structure				Fixtures			
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID
4	F1-F4	70'	-	70'	TLC-LED-1200	7	7
				70'	TLC-LED-900	1	1
				15.5'	TLC-BT-575	2	2
4	Totals					40	40

Above Field Level is height of fixtures above area shown

Highland Park HS Practice Field

Dallas,TX

Grid Summary	
Name:	Football
Size:	360' x 160'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

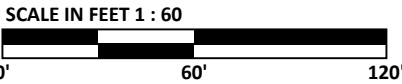
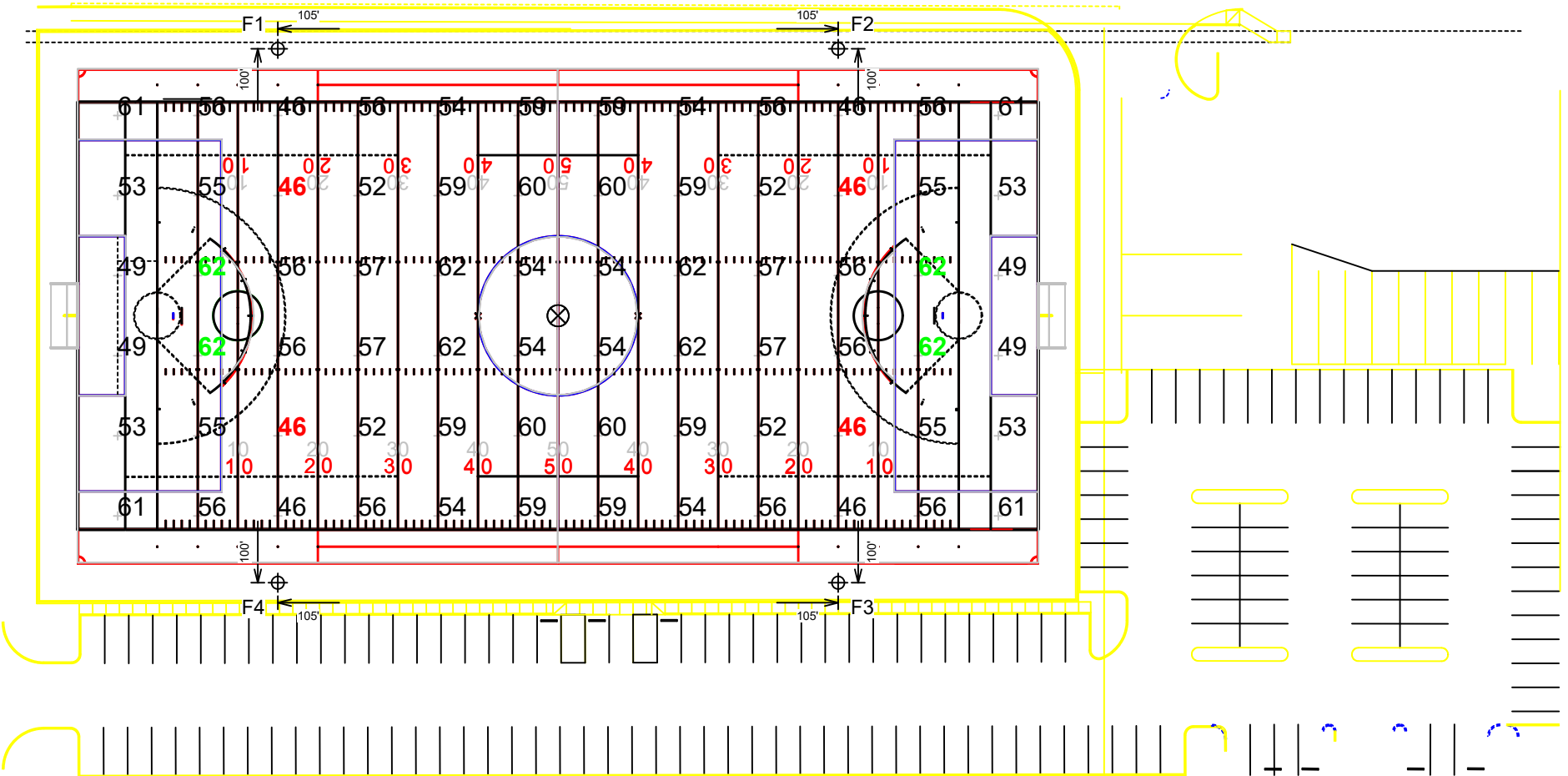
Illumination Summary	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average:	50
Scan Average:	55.40
Maximum:	62
Minimum:	46
Avg/Min:	1.21
Guaranteed Max/Min:	2
Max/Min:	1.36
UG (adjacent pts):	1.25
CU:	0.72
No. of Points:	72
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	40
Total Load:	40.88 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.

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: Jake McCrea • File #251445A • 29-Jan-26

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



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ILLUMINATION SUMMARY

Equipment List For Areas Shown							
Structure				Fixtures			
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID
4	F1-F4	70'	-	70'	TLC-LED-1200	7	7
				70'	TLC-LED-900	1	1
				15.5'	TLC-BT-575	2	2
4	Totals					40	40

⚠ Above Field Level is height of fixtures above area shown

Highland Park HS Practice Field

Dallas,TX

Grid Summary	
Name:	Soccer
Size:	360' x 185'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

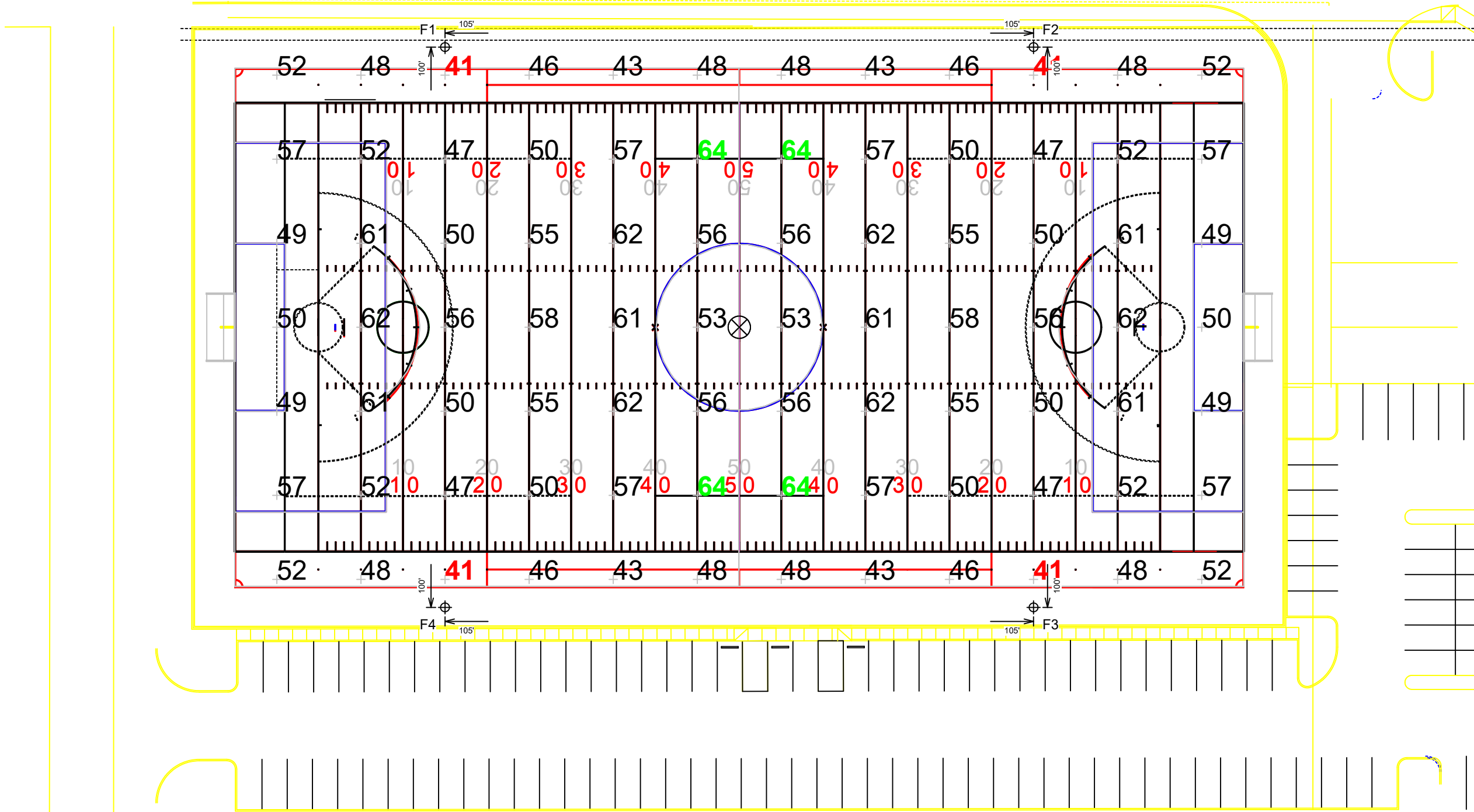
Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
Entire Grid	
Guaranteed Average:	50
Scan Average:	52.79
Maximum:	64
Minimum:	41
Avg/Min:	1.29
Guaranteed Max/Min:	2
Max/Min:	1.56
UG (adjacent pts):	1.32
CU:	0.80
No. of Points:	84
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	40
Total Load:	40.88 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.

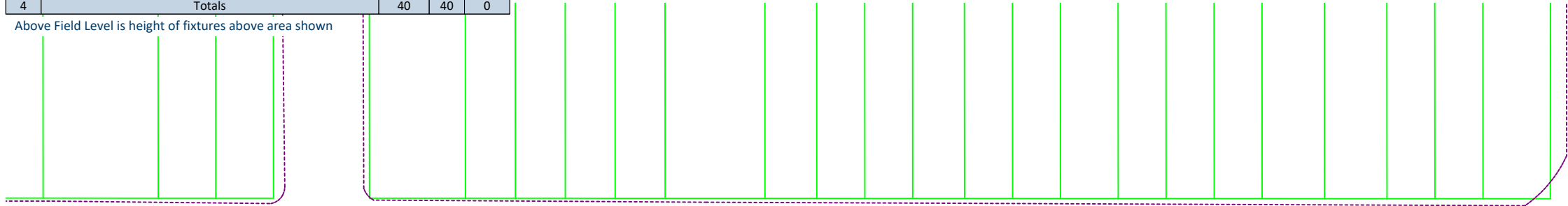
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	F1-F4	70'	-	70'	TLC-LED-1200	7	7	0
				70'	TLC-LED-900	1	1	0
				15.5'	TLC-BT-575	2	2	0
4	Totals					40	40	0

Above Field Level is height of fixtures above area shown



Highland Park HS Practice Field

Dallas,TX

Grid Summary

Name: Property Spill Line
Size: 360' x 160'
Spacing: 30.0' x 10.0'
Height: 3.0' above grade

Illumination Summary

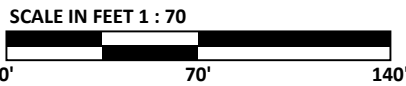
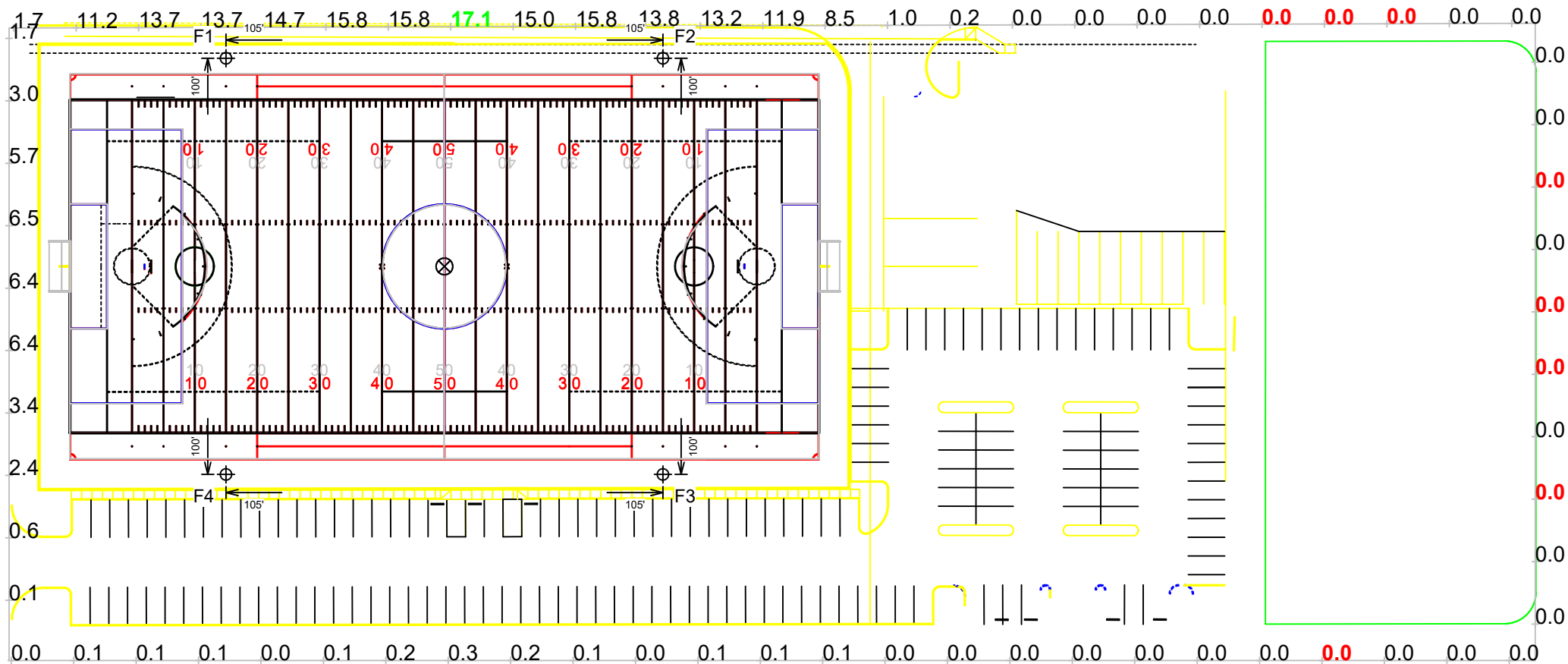
		MAINTAINED HORIZONTAL FOOTCANDLES
		Entire Grid
Scan Average:	3.16	
Maximum:	17	
Minimum:	0	
Avg/Min:	-	
Max/Min:	-	
UG (adjacent pts):	0.00	
CU:	0.01	
No. of Points:	70	
FIXTURE INFORMATION		
Applied Circuits:	A	
No. of Fixtures:	40	
Total Load:	40.88 kW	

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

Field Measurements: Individual field measurements may vary from computer-calculated predictions.

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

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



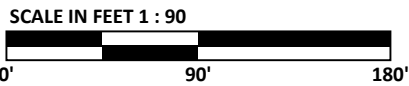
Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗



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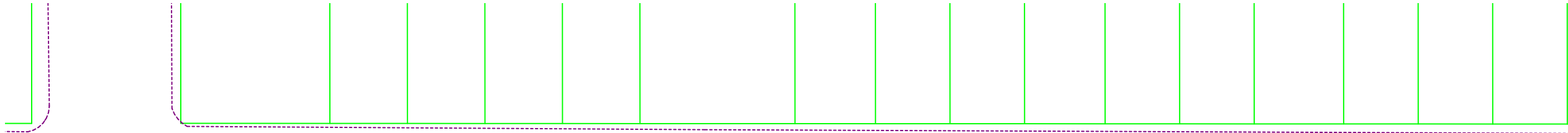
ILLUMINATION SUMMARY

Above Field Level is height of fixtures above area shown



ENGINEERED DESIGN By: Jake McCrea • File #251445A • 29-Jan-26

ILLUMINATION SUMMARY



Highland Park HS Practice Field

Dallas,TX

Equipment Layout

INCLUDES:

· Football

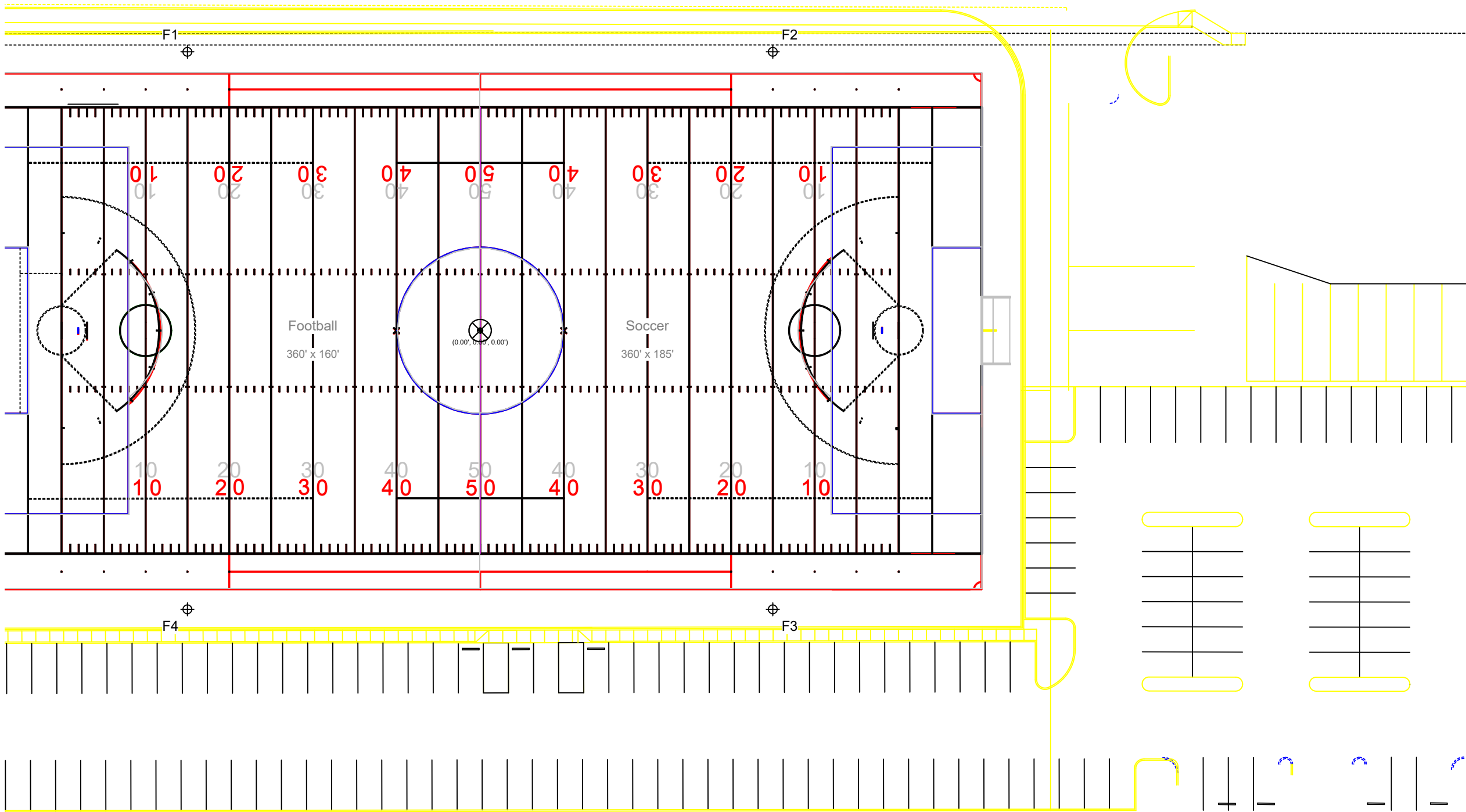
· Soccer

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						
Structure				Fixtures		
QTY	STRUCTURE ID	SIZE	GLOBAL ELEVATION	ABOVE GLOBAL LEVEL	FIXTURE TYPE	QTY/POLE
4	F1-F4	70'	-	70'	TLC-LED-1200	7
				70'	TLC-LED-900	1
				15.5'	TLC-BT-575	2
4	Totals					40

Above Global Level is height of fixtures above design (0,0,0)

Single Fixture Amperage Draw Chart								
Driver Specifications (.90 min power factor)		Line Amperage Per Fixture (max draw)						
		208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
Single Phase Voltage		6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-1200		5.2	4.9	4.5	3.9	3.1	2.9	2.3
TLC-LED-900		3.3	3.2	2.9	2.5	2.0	1.8	1.5
TLC-BT-575								

