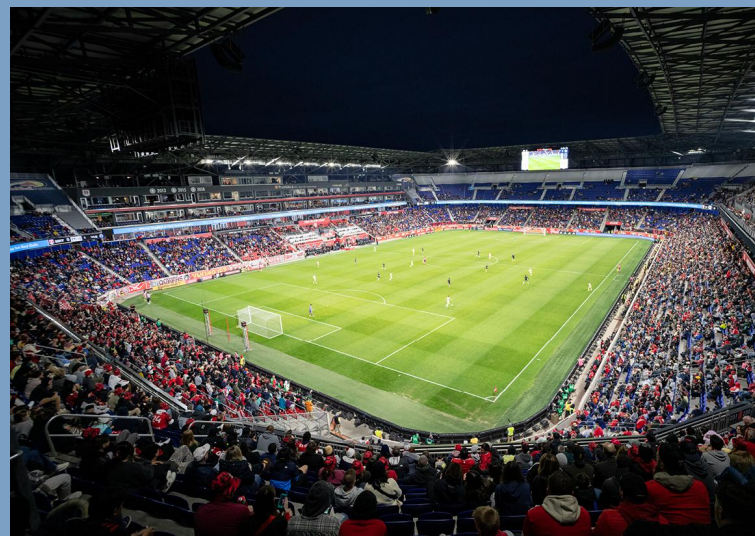




Sports Illustrated Stadium, Harrison, New Jersey, USA



UBS Arena, Elmont, New York, USA



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



Tottenham Hotspur FC Training Ground, Tottenham, London, UK

Rye Neck School District Athletic Complex

Mamaroneck, NY

Sales Representative: Mike Moriates · Designed By: K.Dunkin · Design No.: 249917C · July 24, 2026

Rye Neck School District Athletic Complex
Mamaroneck,NY

LIGHTING SYSTEM

Structure/Fixture Summary						
Structure ID	Structure Height	Fixt. Attachment Ht.	Fixture Qty	Fixture Type	Load	Circuit
F1-F2	80'	80'	7	TLC-LED-1500	9.87 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
F3	60'	60'	4	TLC-LED-1500	5.64 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
F4	60'	60'	4	TLC-LED-1500	5.64 kW	A
F5	60'	60'	4	TLC-LED-1500	5.64 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
5			34		41.26 kW	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A		41.26 kW	34

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-1500	A	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	26

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)	380 (60)	480 (60)
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-BT-575	3.3	3.2	2.9	2.5	2.0	1.8	1.5

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Football	Horizontal Illuminance	52.40	36	66	1.80	1.44	A	34
Football Spill @ 3ft.	Horizontal Illuminance	0.0192	0.00	0.04	293.454	131.850	A	34
Football Spill @ 5ft.	Max Candela Metric	779.4189	24.53	1358.56	55.383	31.774	A	34
Football Spill @ 5ft.	Max Vertical Illuminance Metric	0.0393	0.00	0.09	246.070	113.145	A	34
Soccer	Horizontal Illuminance	51.51	39	64	1.65	1.32	A	34
Track	Horizontal Illuminance	12.10	1	34	62.68	22.07	A	34

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

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

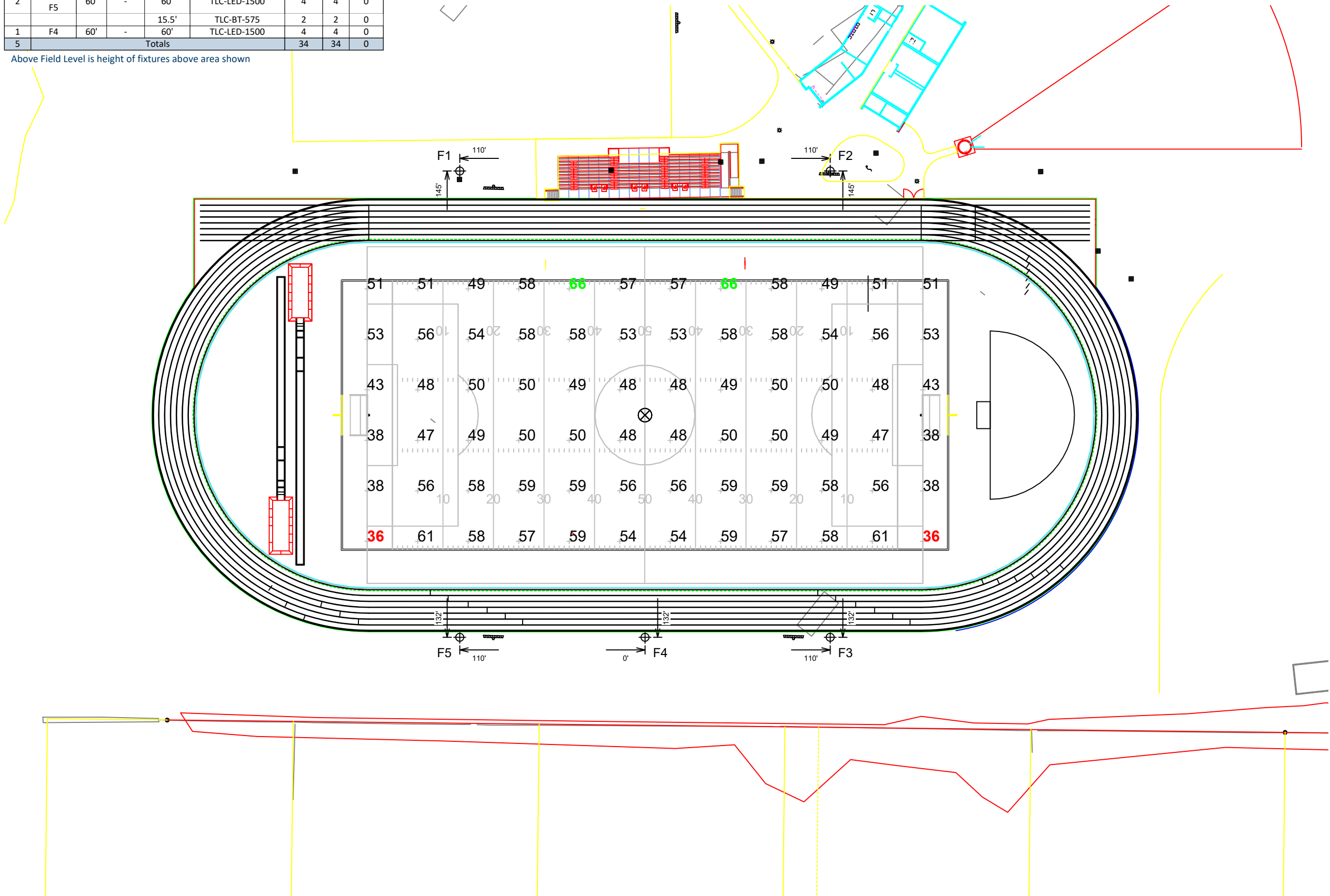
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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
2	F1-F2	80'	-	80'	TLC-LED-1500	7	7	0
				15.5'	TLC-BT-575	2	2	0
2	F3 F5	60'	-	60'	TLC-LED-1500	4	4	0
				15.5'	TLC-BT-575	2	2	0
1	F4	60'	-	60'	TLC-LED-1500	4	4	0
5	Totals					34	34	0

Above Field Level is height of fixtures above area shown



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

Rye Neck School District Athletic Complex

Mamaroneck,NY

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:	52.40
Maximum:	66
Minimum:	36
Avg/Min:	1.44
Guaranteed Max/Min:	2
Max/Min:	1.80
UG (adjacent pts):	1.67
CU:	0.65
No. of Points:	72
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	34
Total Load:	41.26 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.

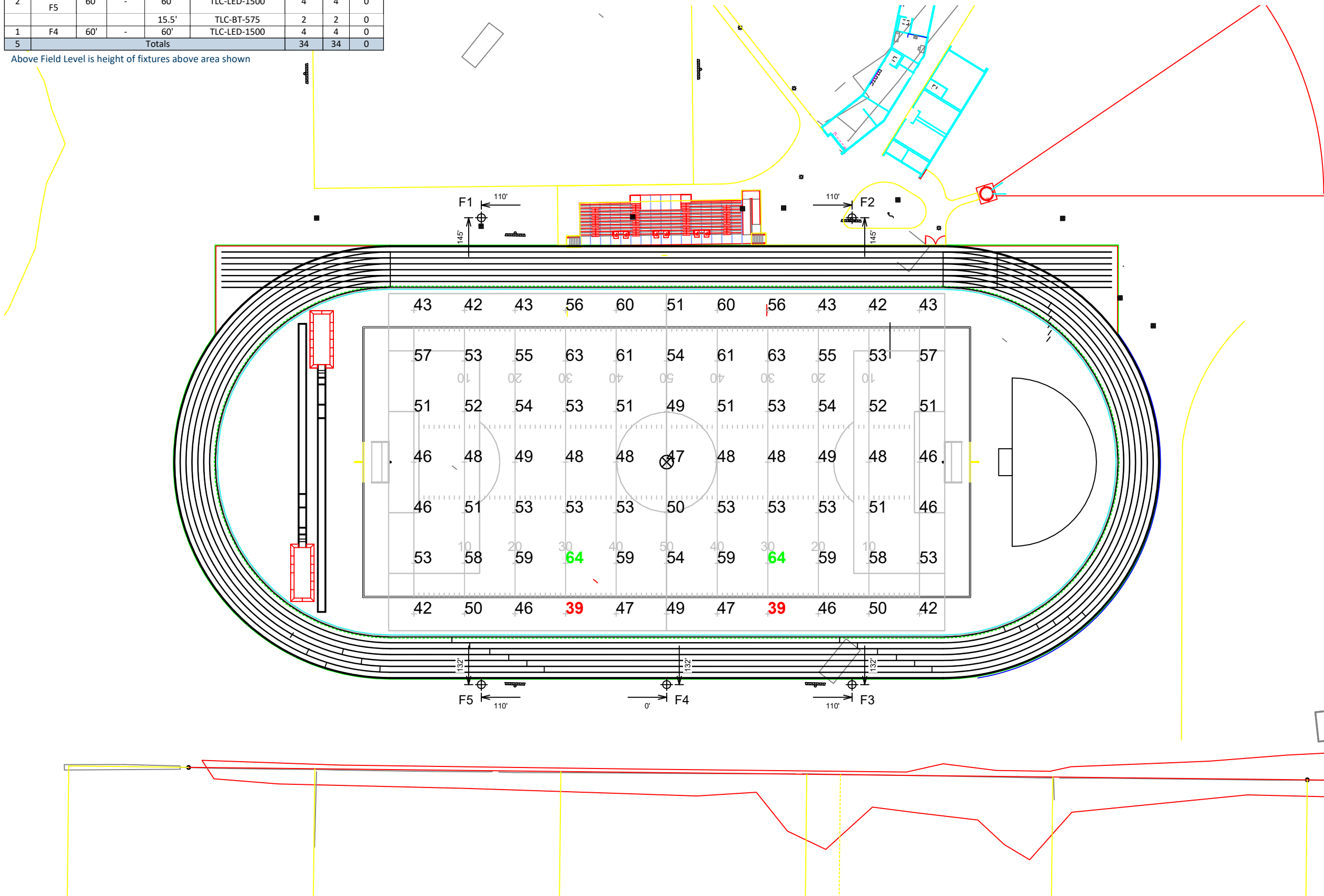
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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
2	F1-F2	80'	-	80'	TLC-LED-1500	7	7	0
				15.5'	TLC-BT-575	2	2	0
2	F3 F5	60'	-	60'	TLC-LED-1500	4	4	0
				15.5'	TLC-BT-575	2	2	0
1	F4	60'	-	60'	TLC-LED-1500	4	4	0
5	Totals					34	34	0

Above Field Level is height of fixtures above area shown



Rye Neck School District Athletic Complex

Mamaroneck, NY

Grid Summary	
Name:	Soccer
Size:	330' x 200'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
Entire Grid	
Guaranteed Average:	50
Scan Average:	51.51
Maximum:	64
Minimum:	39
Avg/Min:	1.32
Guaranteed Max/Min:	2
Max/Min:	1.65
UG (adjacent pts):	1.65
CU:	0.69
No. of Points:	77
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	34
Total Load:	41.26 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.

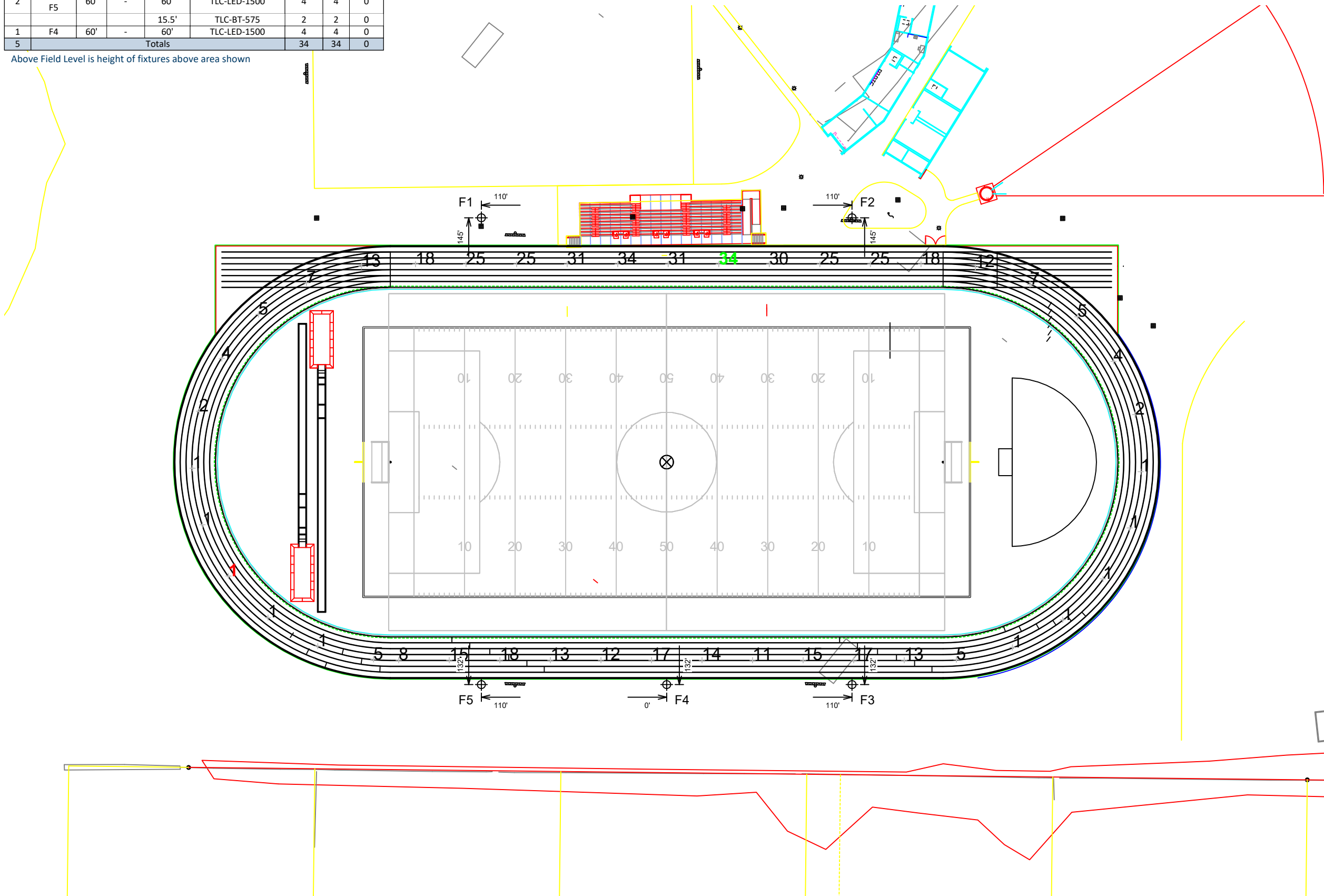
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

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



Equipment List For Areas Shown								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	80'	-	80'	TLC-LED-1500	7	7	0
				15.5'	TLC-BT-575	2	2	0
2	F3 F5	60'	-	60'	TLC-LED-1500	4	4	0
				15.5'	TLC-BT-575	2	2	0
1	F4	60'	-	60'	TLC-LED-1500	4	4	0
5	Totals					34	34	0

Above Field Level is height of fixtures above area shown



Rye Neck School District Athletic Complex

Mamaroneck,NY

Grid Summary	
Name:	Track
Size:	Irregular
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average:	12.10
Maximum:	34
Minimum:	1
Avg/Min:	22.07
Max/Min:	62.68
UG (adjacent pts):	0.00
CU:	0.09
No. of Points:	44
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	34
Total Load:	41.26 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.

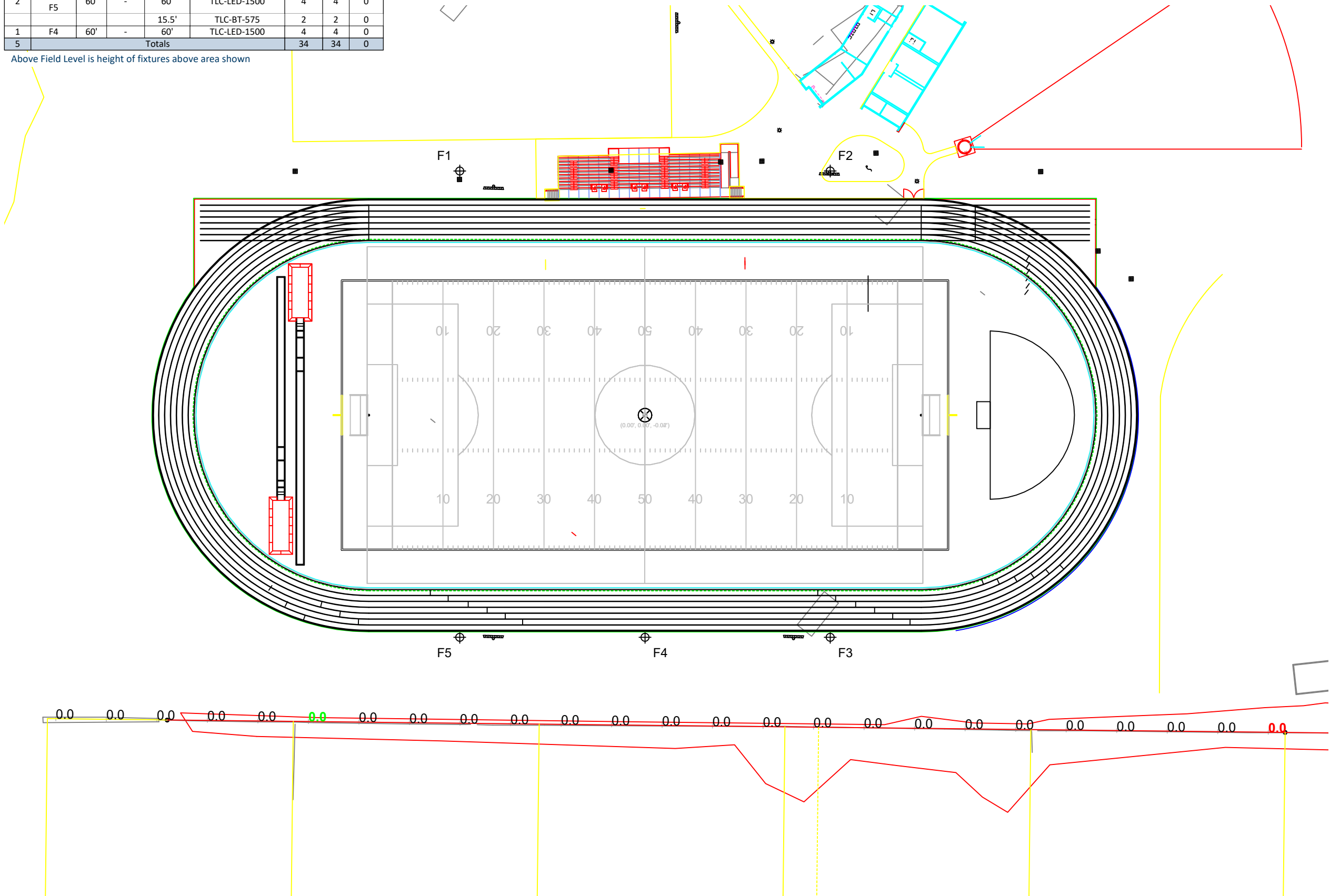
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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Equipment List For Areas Shown								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
2	F1-F2	80'	-	80'	TLC-LED-1500	7	7	0
				15.5'	TLC-BT-575	2	2	0
2	F3 F5	60'	-	60'	TLC-LED-1500	4	4	0
				15.5'	TLC-BT-575	2	2	0
1	F4	60'	-	60'	TLC-LED-1500	4	4	0
5	Totals					34	34	0

Above Field Level is height of fixtures above area shown



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

Rye Neck School District Athletic Complex

Mamaroneck,NY

Grid Summary

Name: Football Spill @ 3ft.
Spacing: 30.0'
Height: 3.0' above grade

Illumination Summary

INITIAL HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.0
Maximum:	0.0
Minimum:	0.0
CU:	0.0
No. of Points:	25
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	34
Total Load:	41.26 kW

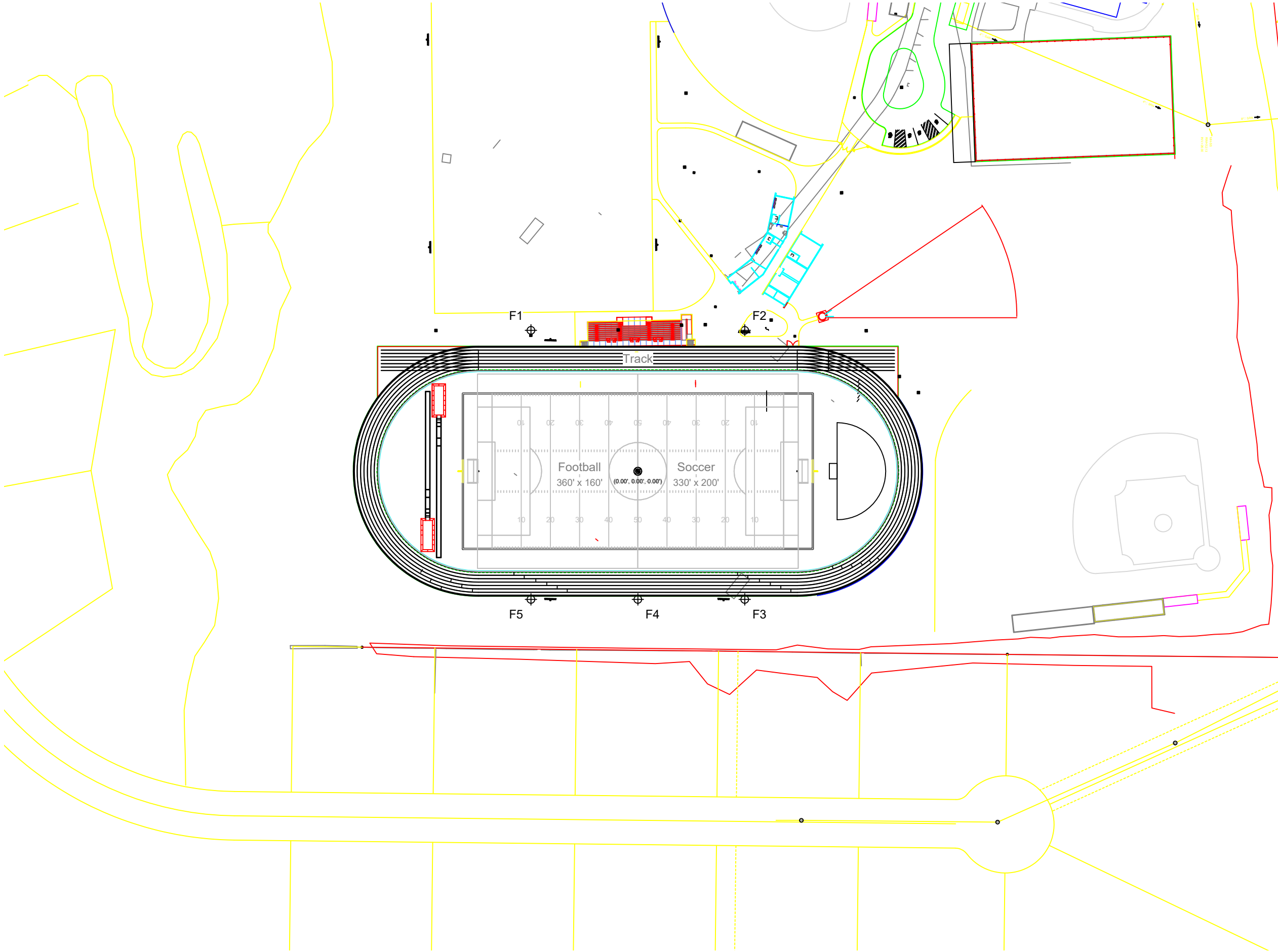
Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document.

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.





Rye Neck School District Athletic Complex

Mamaroneck,NY

Equipment Layout

INCLUDES:

· Football

· Soccer

· Track

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
2	F1-F2	80'	-	80'	TLC-LED-1500	7
				15.5'	TLC-BT-575	2
2	F3 F5	60'	-	60'	TLC-LED-1500	4
				15.5'	TLC-BT-575	2
1	F4	60'	-	60'	TLC-LED-1500	4
5	Totals					34

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)						
Single Phase Voltage		208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-1500		8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-BT-575		3.3	3.2	2.9	2.5	2.0	1.8	1.5

