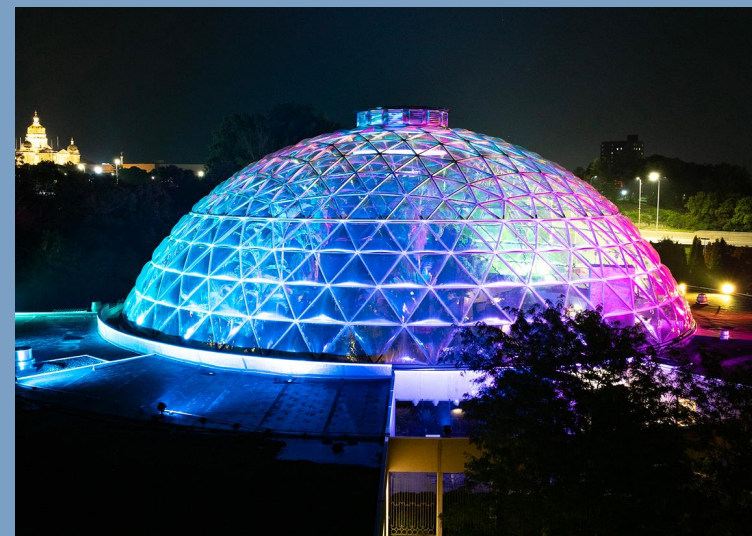




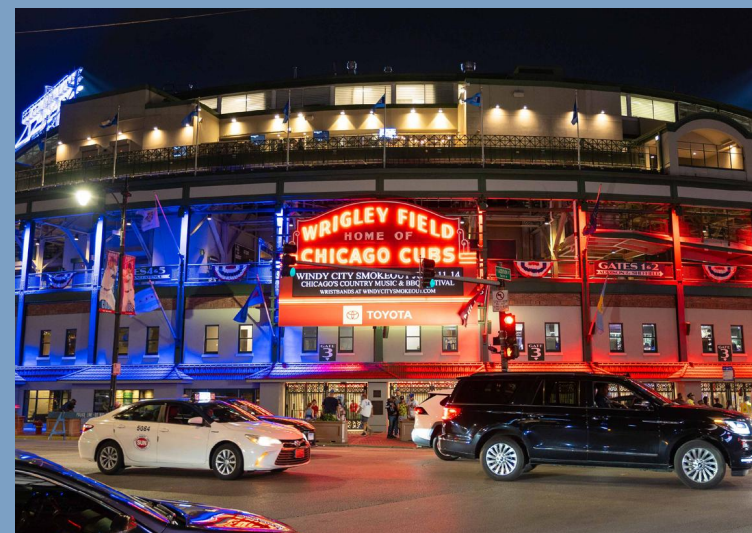
Iowa Women of Achievement Bridge, Des Moines, Iowa, USA



Greater Des Moines Botanical Garden, Des Moines, Iowa, USA



American Table Restaurant, Oskaloosa, Iowa, USA



Wrigley Field Facade, Chicago, Illinois, USA

217729A

Sales Representative: · Designed By: · Design No.: 217729C · December 17, 2025

LIGHTING SYSTEM

Structure/Fixture Summary						
Structure ID	Structure Height	Fixt. Attachment Ht.	Fixture Qty	Fixture Type	Load	Circuit
M1-M4		-3'	1	TLC-RGBW	0.64 kW	A
4			4		2.56 kW	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A		2.56 kW	4

Fixture Type Summary								
Type	Circuit	Source	Wattage	Lumens	L90	L80	L70	Quantity
TLC-RGBW	A	LED 4500K - 75 CRI	640W	28,215	>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)	380 (60)	480 (60)
TLC-RGBW	4.5	4.3	3.8	3.3	2.7	2.5	1.9

Light Level Summary

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination Ave					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Dam Center	Perpendicular	2.19	2	3	1.65	1.37	A	4
Dam West End	Perpendicular	2.12	1	3	2.16	1.65	A	4

Dam East End	Perpendicular	1.96	1	3	2.34	1.65	A	4
Mill And Dam	Horizontal Illuminance	0.00	0	0	-	-	A	4
Mill East Wall	Perpendicular	0.15	0	1	-	-	A	4
River Grid	Horizontal	1.77	0	15	-	-	A	4

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

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

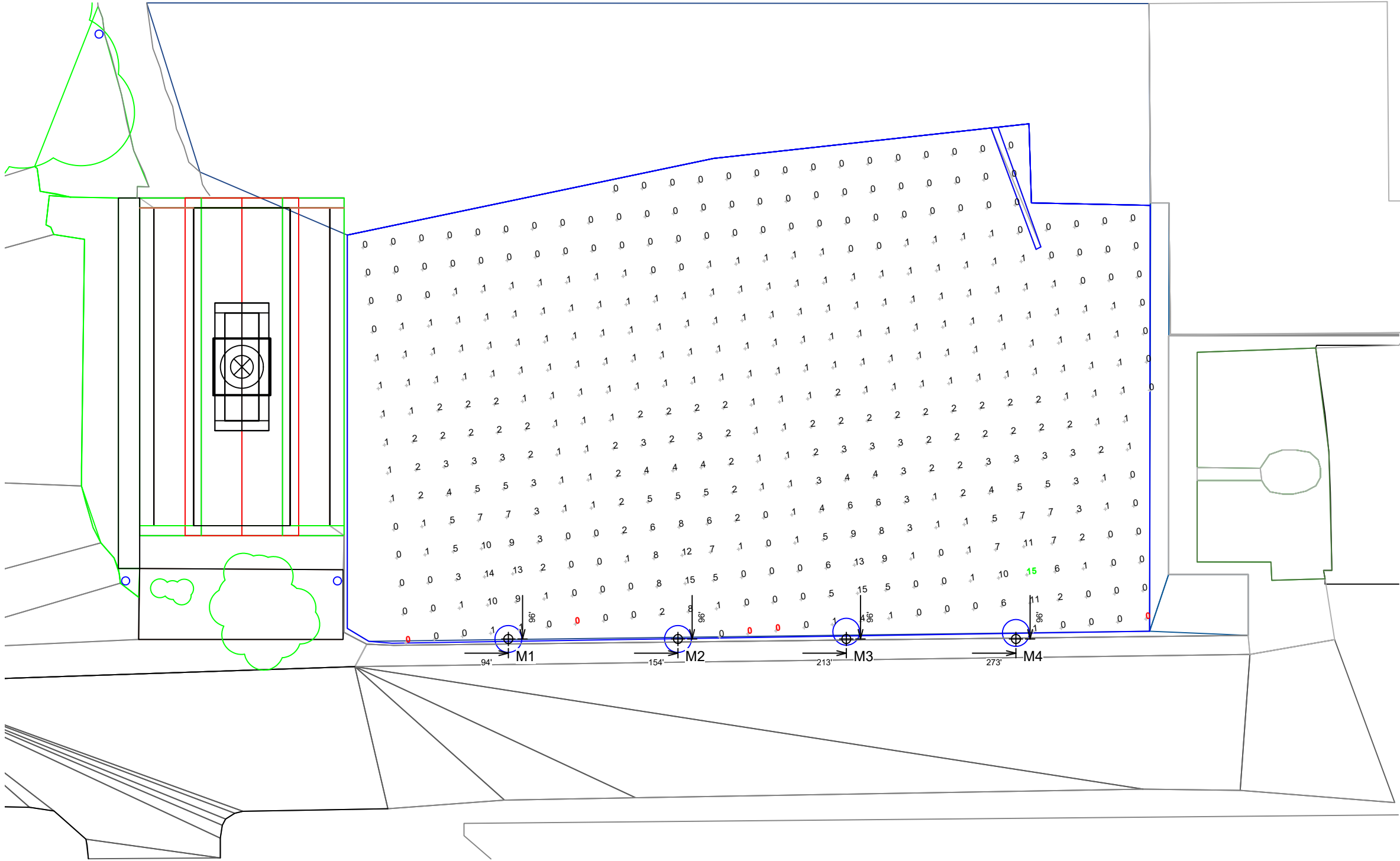
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

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	M1-M4		-3'	-3'	TLC-RGBW	1	1	0
4	Totals					4	4	0

Above Field Level is height of fixtures above area shown



SCALE IN FEET 1 : 40
0' 40' 80'
ENGINEERED DESIGN By: • File #217729C • 17-Dec-25

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

217729A

Grid Summary	
Name:	River Grid
Size:	20' x 20'
Spacing:	10.0' x 10.0'
Height:	-23.0' above grade

Illumination Summary	
	MAINTAINED HORIZONTAL FOOTCANDLES
Scan Average:	Entire Grid 1.77
Maximum:	15
Minimum:	0
Avg/Min:	-
Max/Min:	-
UG (adjacent pts):	138.75
CU:	0.84
No. of Points:	442
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	4
Total Load:	2.56 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.

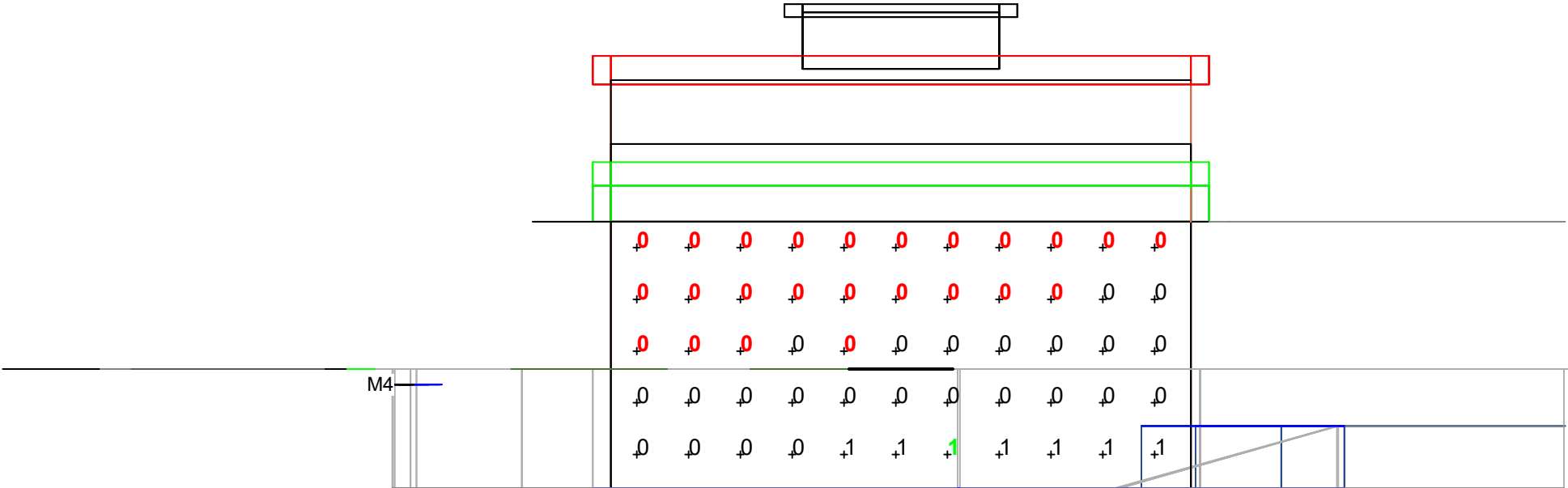


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ILLUMINATION SUMMARY

Equipment List For Areas Shown								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	M1-M4		-3'	-3'	TLC-RGBW	1	1	0
4	Totals					4	4	0

Above Field Level is height of fixtures above area shown



217729A

Grid Summary	
Name:	Mill East Wall
Spacing:	10.0' x 10.0'
Illumination Summary	
MAINTAINED VERTICAL FOOTCANDLES: 0" Tilt	
Entire Grid	
Scan Average:	0.15
Maximum:	1
Minimum:	0
Avg/Min:	-
Max/Min:	-
UG (adjacent pts):	5059.18
CU:	0.01
No. of Points:	55
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	4
Total Load:	2.56 kW

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

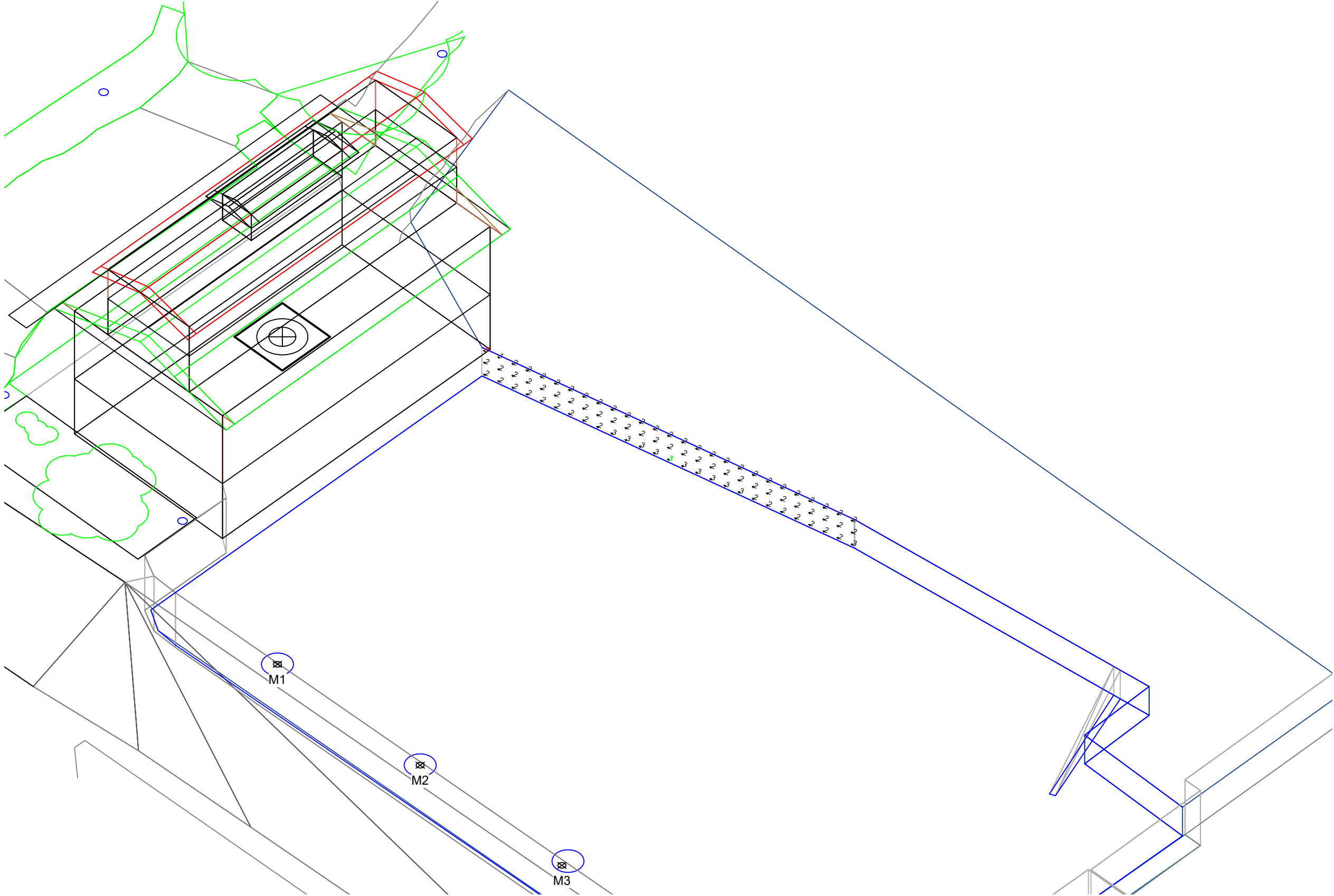
Field Measurements: Individual field measurements may vary from computer-calculated predictions.


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	M1-M4		-3'	-3'	TLC-RGBW	1	1	0
4	Totals					4	4	0

Above Field Level is height of fixtures above area shown





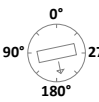
SCALE IN FEET 1 : 30

0'

30'

60'

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METER ORIENTATION

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

217729A

Grid Summary

Name: Dam West End

Spacing: 5.0' x 5.0'

ILLUMINATION SUMMARY

MAINTAINED VERTICAL FOOTCANDLES: 0" Tilt

Entire Grid

Scan Average: 2.12

Maximum: 3

Minimum: 1

Avg/Min: 1.65

Max/Min: 2.16

UG (adjacent pts): 1.26

CU: 0.05

No. of Points: 81

FIXTURE INFORMATION

Applied Circuits: A

No. of Fixtures: 4

Total Load: 2.56 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.

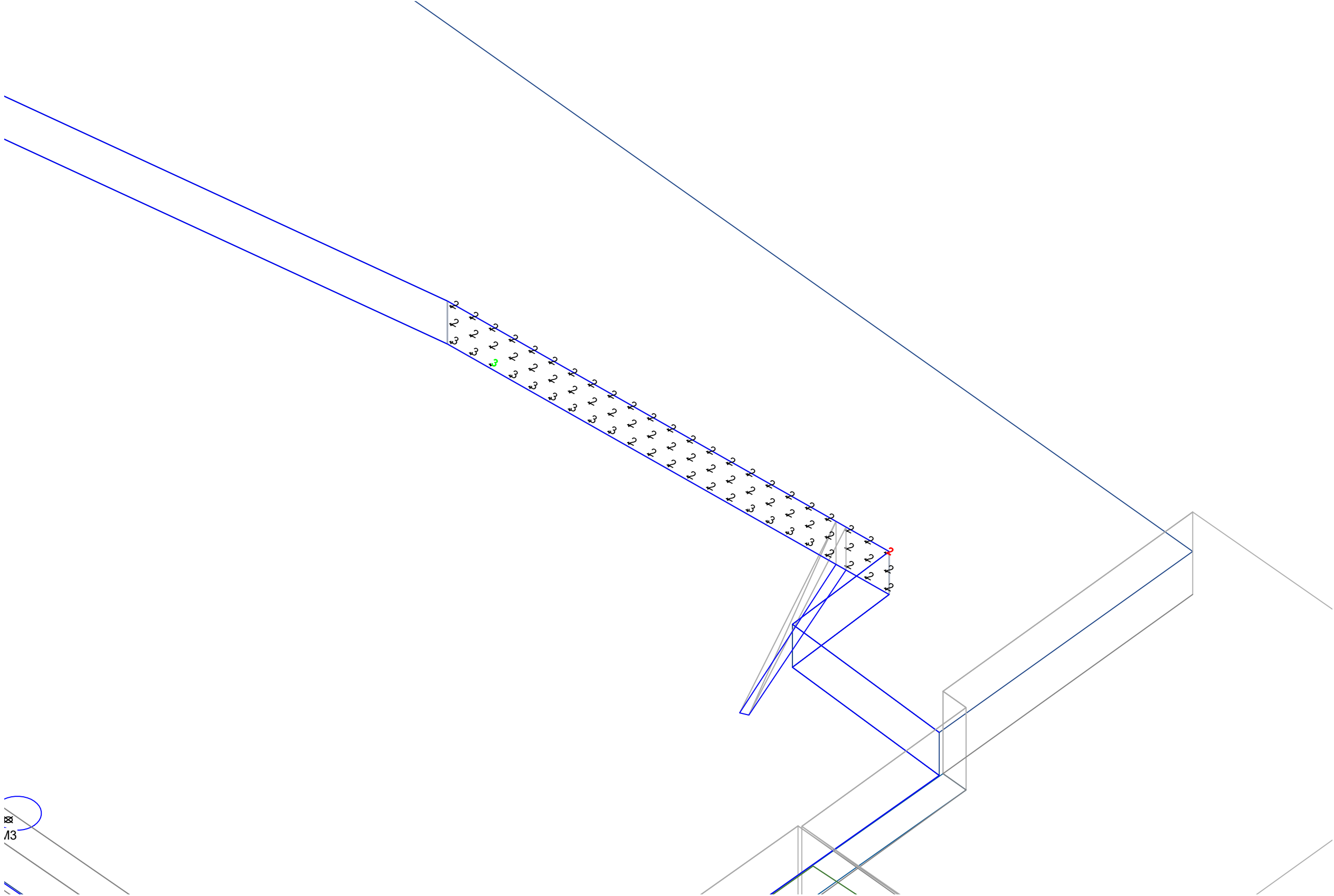
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.




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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
4	M1-M4		-3'	-3'	TLC-RGBW	1	1	0
4	Totals					4	4	0

Above Field Level is height of fixtures above area shown






SCALE IN FEET 1 : 20

0' 20' 40'

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0° 90° 180° 270°

METER ORIENTATION

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

217729A

Grid Summary	
Name:	Dam Center
Spacing:	5.0' x 5.0'

Illumination Summary	
MAINTAINED VERTICAL FOOTCANDLES: 0" Tilt	
Entire Grid	
Scan Average:	2.19
Maximum:	3
Minimum:	2
Avg/Min:	1.37
Max/Min:	1.65
UG (adjacent pts):	1.22
CU:	0.04
No. of Points:	69
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	4
Total Load:	2.56 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.

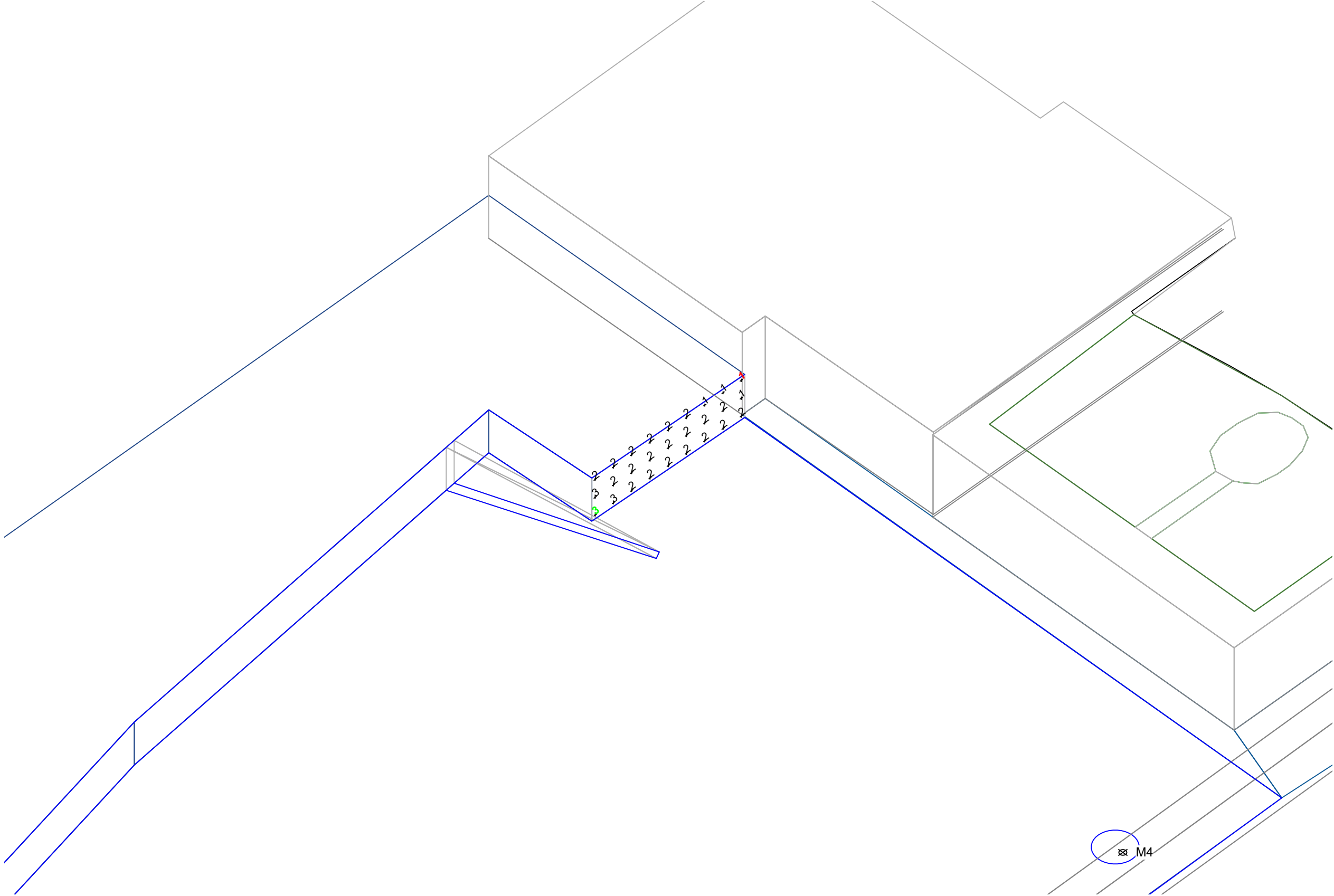
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



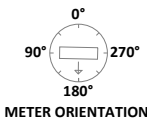
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Equipment List For Areas Shown								
Structure				Fixtures				
QTY	STRUCTURE ID	SIZE	GRADE ELEVATION	ABOVE FIELD LEVEL	FIXTURE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS
4	M1-M4		-3'	-3'	TLC-RGBW	1	1	0
4	Totals					4	4	0

Above Field Level is height of fixtures above area shown



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METER ORIENTATION

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

217729A

Grid Summary	
Name:	Dam East End
Spacing:	5.0' x 5.0'

Illumination Summary	
MAINTAINED VERTICAL FOOTCANDLES: 0° Tilt	
Entire Grid	
Scan Average:	1.96
Maximum:	3
Minimum:	1
Avg/Min:	1.65
Max/Min:	2.34
UG (adjacent pts):	1.24
CU:	0.01
No. of Points:	27
FIXTURE INFORMATION	
Applied Circuits:	A
No. of Fixtures:	4
Total Load:	2.56 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.

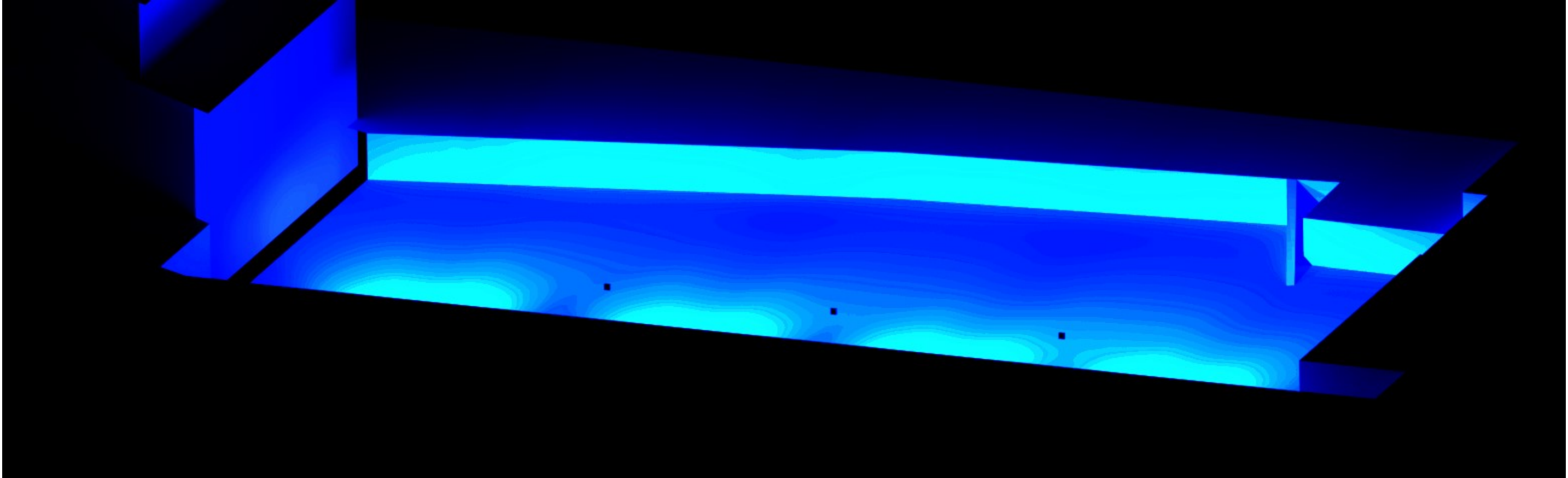
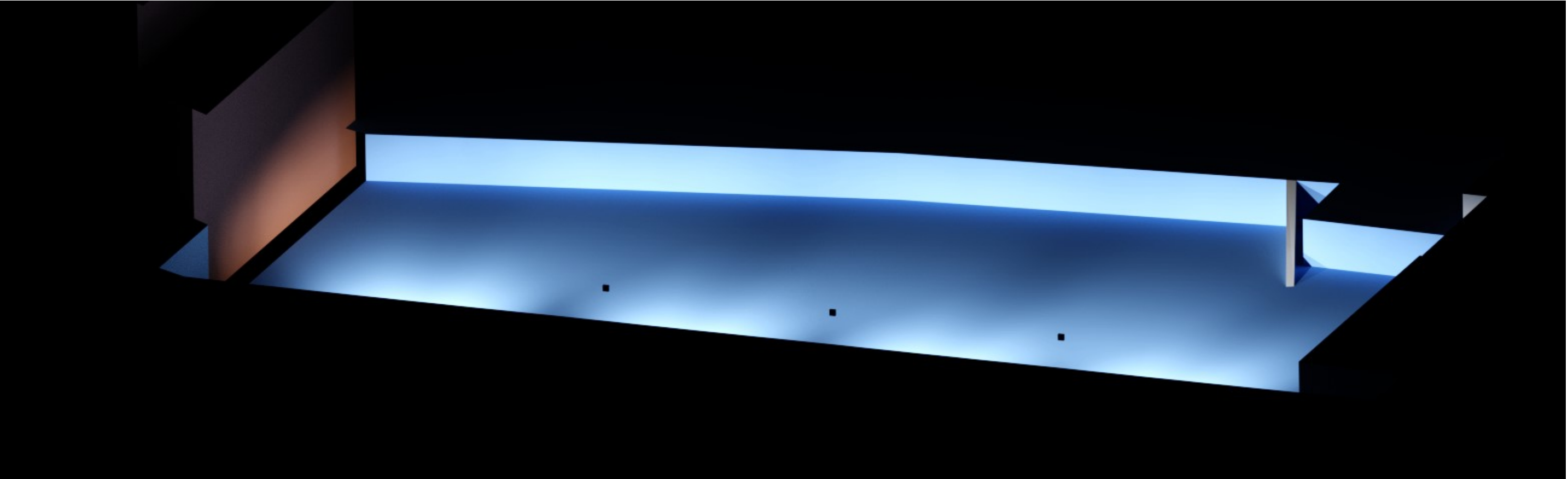
Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

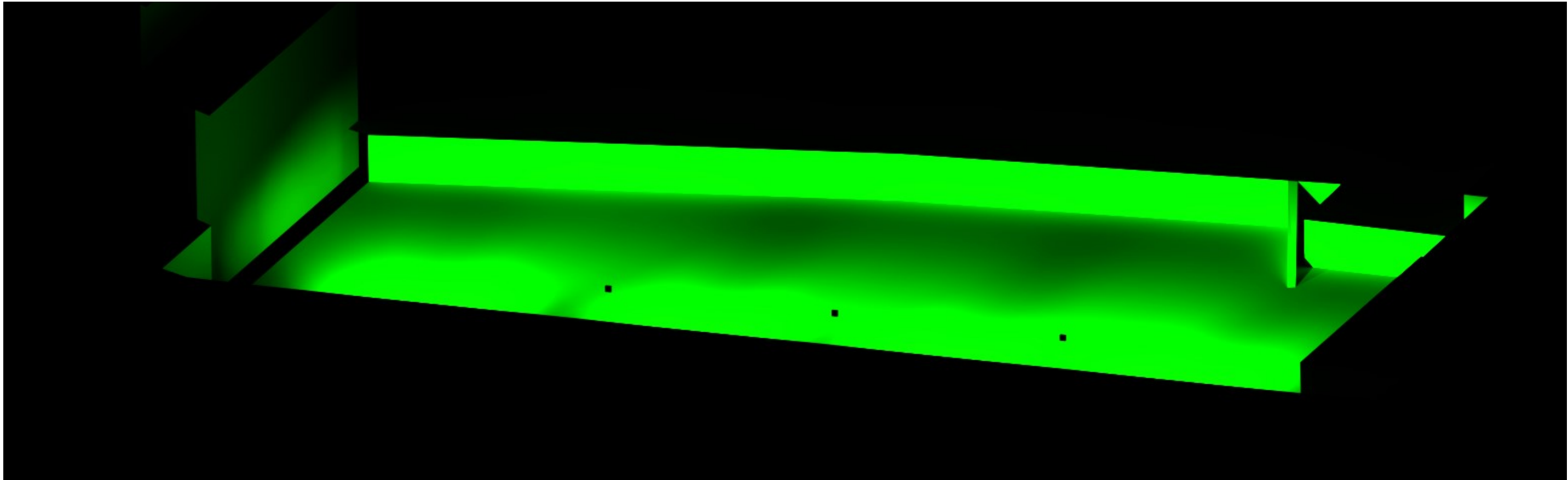
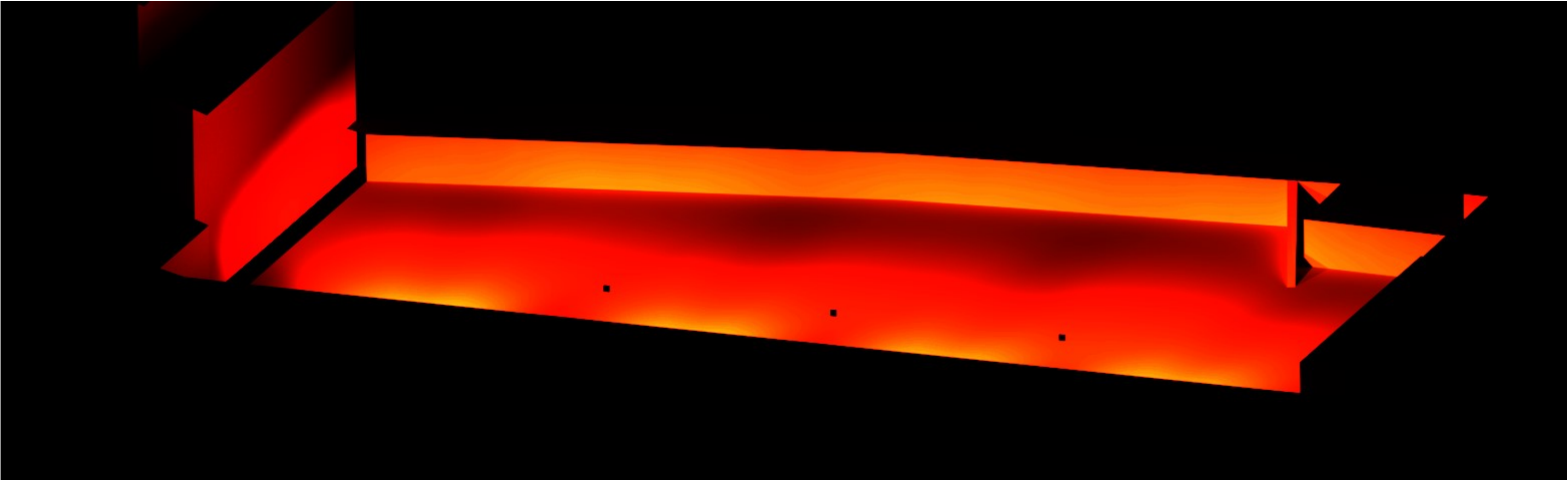
Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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ILLUMINATION SUMMARY





217729A

Equipment Layout

INCLUDES:
· Mill And Dam

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.

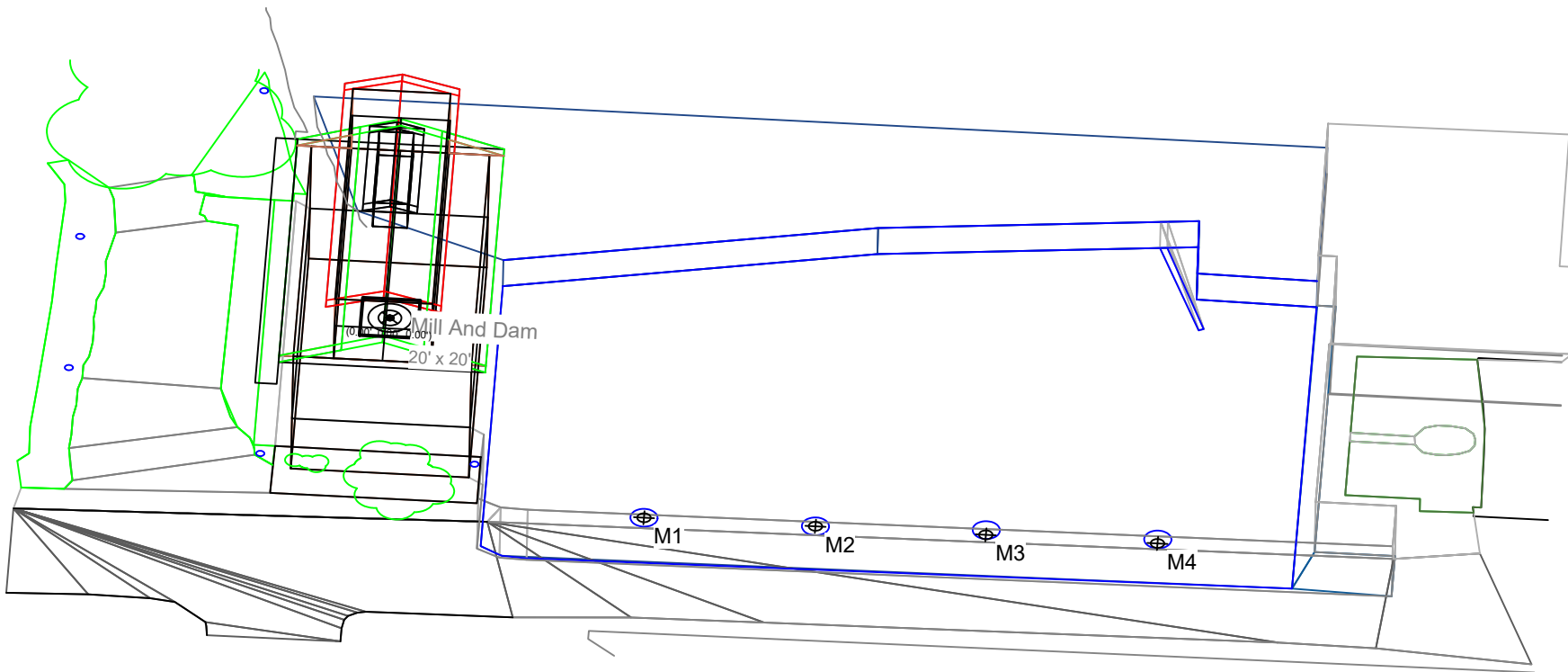
Equipment List For Areas Shown

Structure				Fixtures		
QTY	STRUCTURE ID	SIZE	GLOBAL ELEVATION	ABOVE GLOBAL LEVEL	FIXTURE TYPE	QTY/POLE
4	M1-M4		-3'	-3'	TLC-RGBW	1
4	Totals					4

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-RGBW	4.5	4.3	3.8	3.3	2.7	2.5	1.9



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EQUIPMENT LAYOUT



SCALE IN FEET 1 : 60



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