

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 | 220 | 240 | 277 | 347 | 380 | 480 |
| | | (60) | (60) | (60) | (60) | (60) | (60) | (60) |
| TLC-LED-1200 | | 6.9 | 6.5 | 6.0 | 5.2 | 4.2 | 3.8 | 3.0 |
| TLC-LED-900 | | 5.2 | 4.9 | 4.5 | 3.9 | 3.1 | 2.9 | 2.3 |
| 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 | | |
| 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 | 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: Football
 Size: 360' x 160'
 Spacing: 30.0' x 30.0'
 Height: 3.0' above grade

Illumination Summary

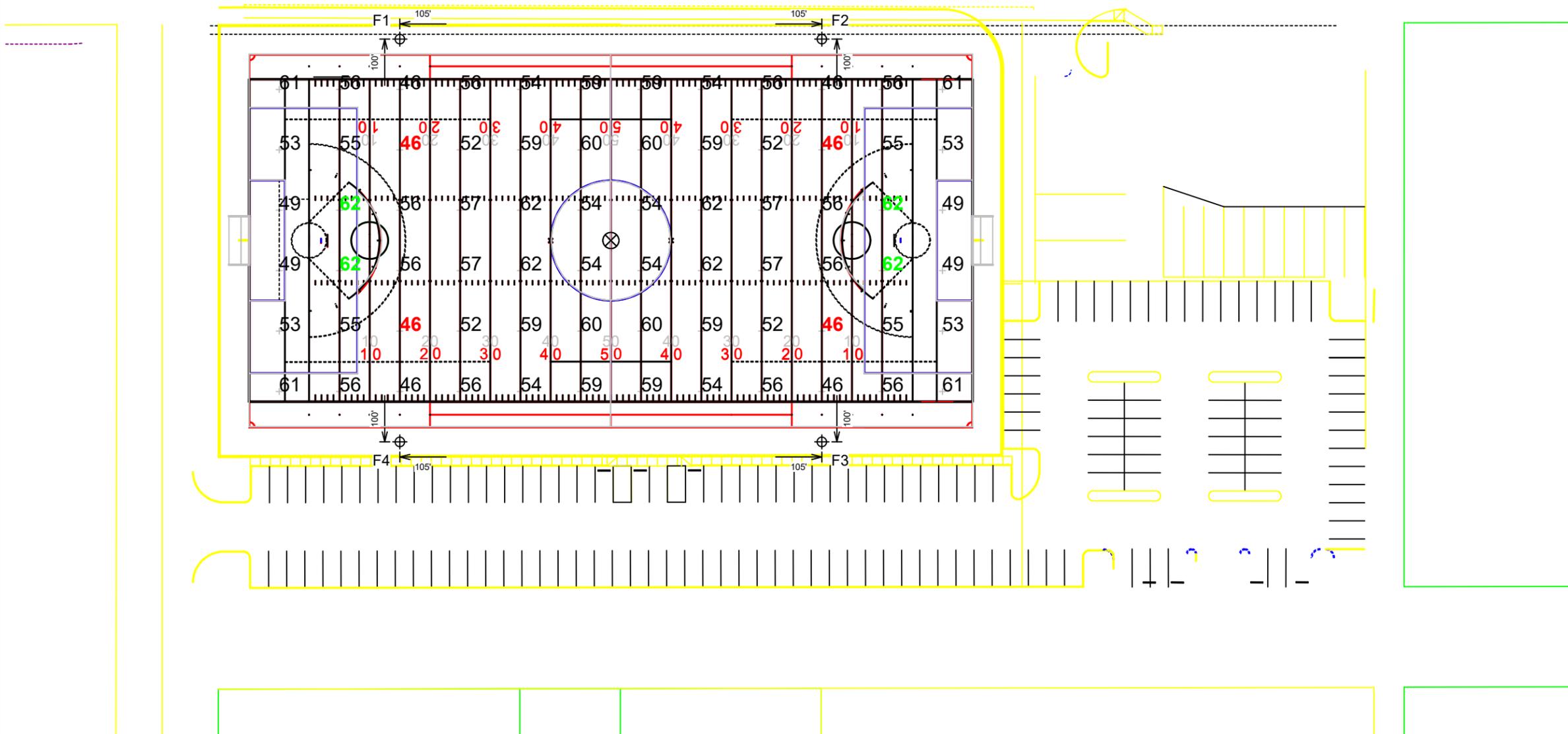
| MAINTAINED HORIZONTAL FOOTCANDLES | |
|-----------------------------------|-------------|
| | Entire Grid |
| Guaranteed Average: | 50 |
| Scan Average: | 55.40 |
| Maximum: | 62 |
| Minimum: | 46 |
| Avg/Min: | 1.21 |
| Guaranteed Max/Min: | 2 |
| Max/Min: | 1.36 |
| UG (adjacent pts): | 1.25 |
| 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.



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 |
| 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: | Soccer |
| Size: | 360' x 185' |
| Spacing: | 30.0' x 30.0' |
| Height: | 3.0' above grade |

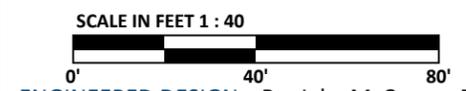
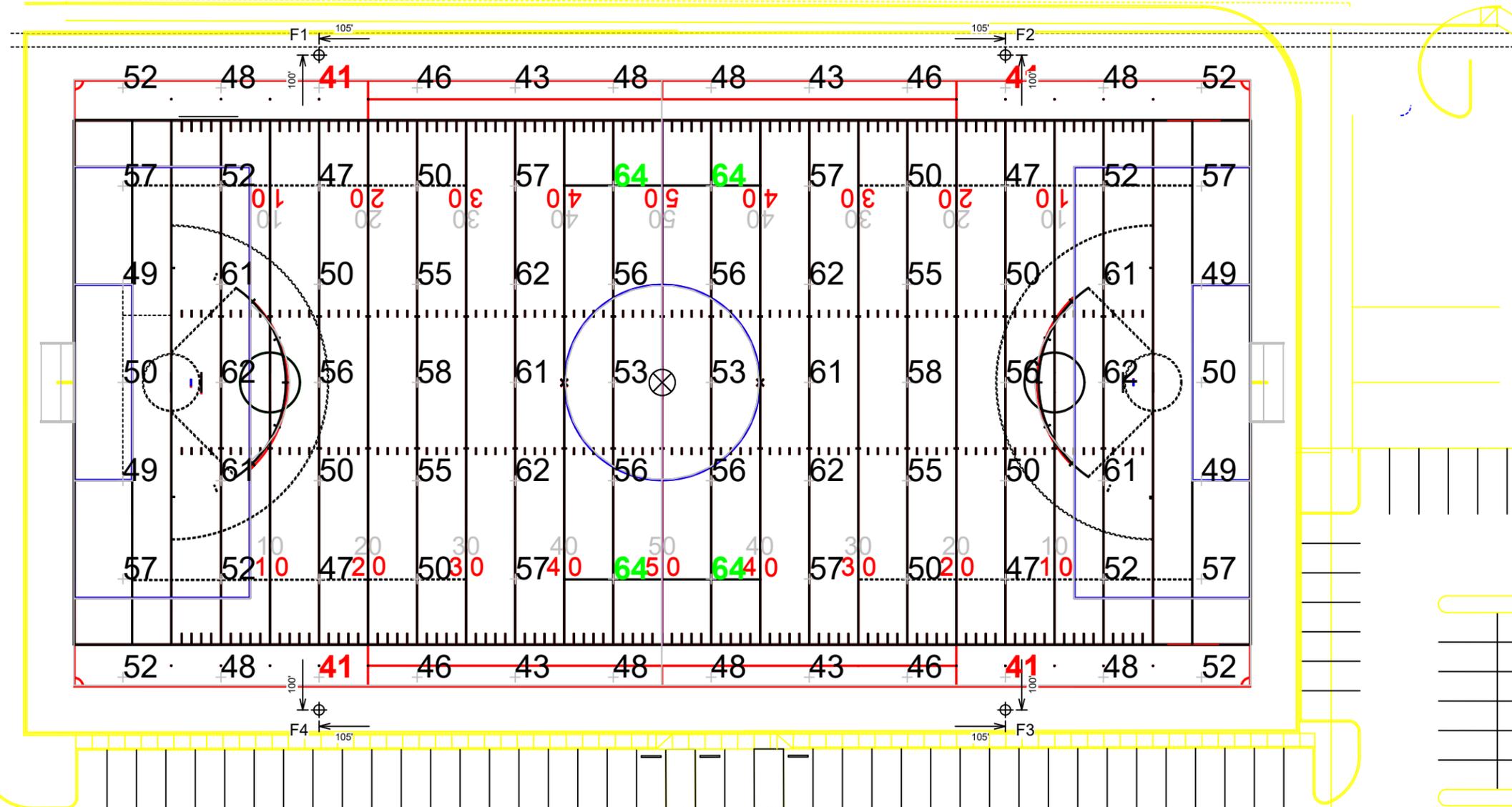
| Illumination Summary | |
|-----------------------------------|----------|
| MAINTAINED HORIZONTAL FOOTCANDLES | |
| Guaranteed Average: | 50 |
| Scan Average: | 52.79 |
| Maximum: | 64 |
| Minimum: | 41 |
| Avg/Min: | 1.29 |
| Guaranteed Max/Min: | 2 |
| Max/Min: | 1.56 |
| UG (adjacent pts): | 1.32 |
| 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.



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 |
| 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 |

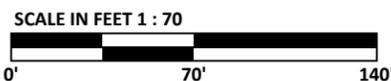
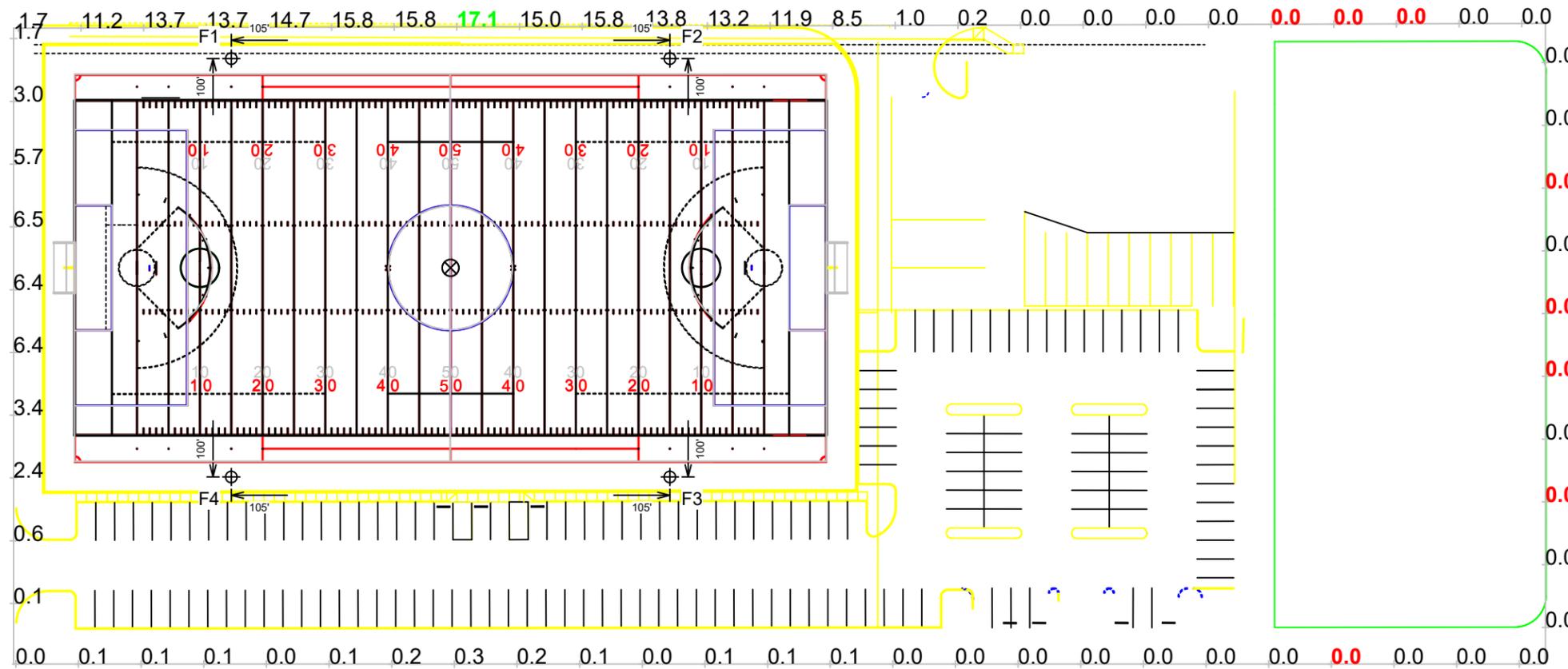
| Illumination Summary | |
|-----------------------------------|----------|
| MAINTAINED HORIZONTAL FOOTCANDLES | |
| Scan Average: | 3.16 |
| Maximum: | 17 |
| Minimum: | 0 |
| Avg/Min: | - |
| Max/Min: | - |
| UG (adjacent pts): | 0.00 |
| CU: | 0.01 |
| No. of Points: | 70 |
| FIXTURE INFORMATION | |
| 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 ± 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 |
| 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: Blanket Grid
 Size: 360' x 160'
 Spacing: 30.0' x 30.0'
 Height: 3.0' above grade

Illumination Summary

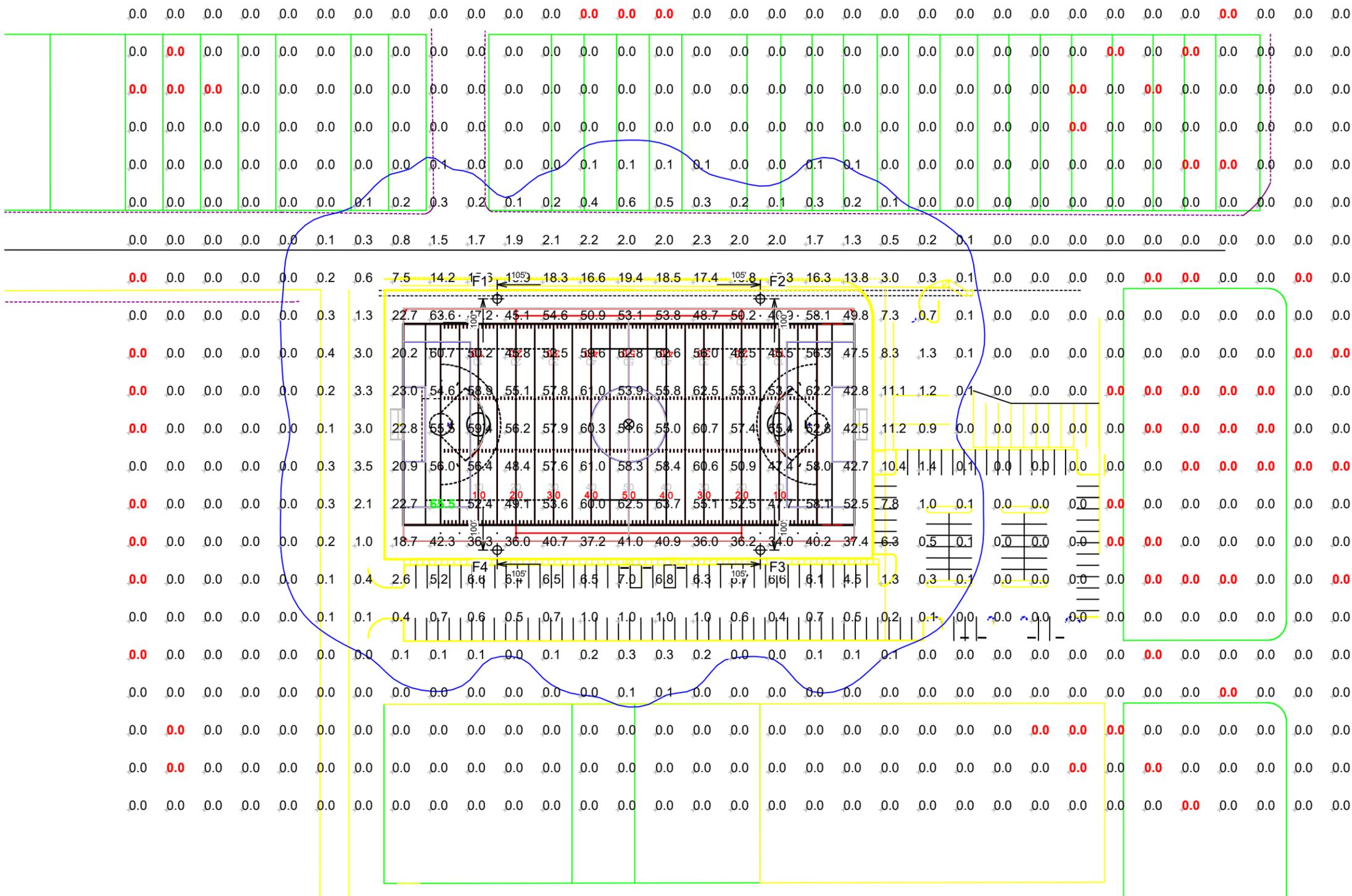
| MAINTAINED HORIZONTAL FOOTCANDLES | |
|-----------------------------------|----------|
| Entire Grid | |
| Scan Average: | 6.85 |
| Maximum: | 65 |
| Minimum: | 0 |
| Avg/Min: | - |
| Max/Min: | - |
| UG (adjacent pts): | 126.42 |
| CU: | 0.89 |
| No. of Points: | 726 |
| FIXTURE INFORMATION | |
| 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.

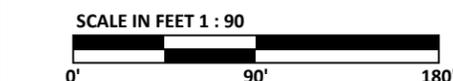
Field Measurements: Individual field measurements may vary from computer-calculated predictions.

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.



NOTES: - Blue contour line represents 0.0 FC horizontal



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



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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.

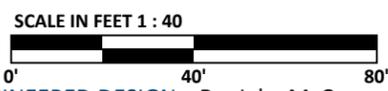
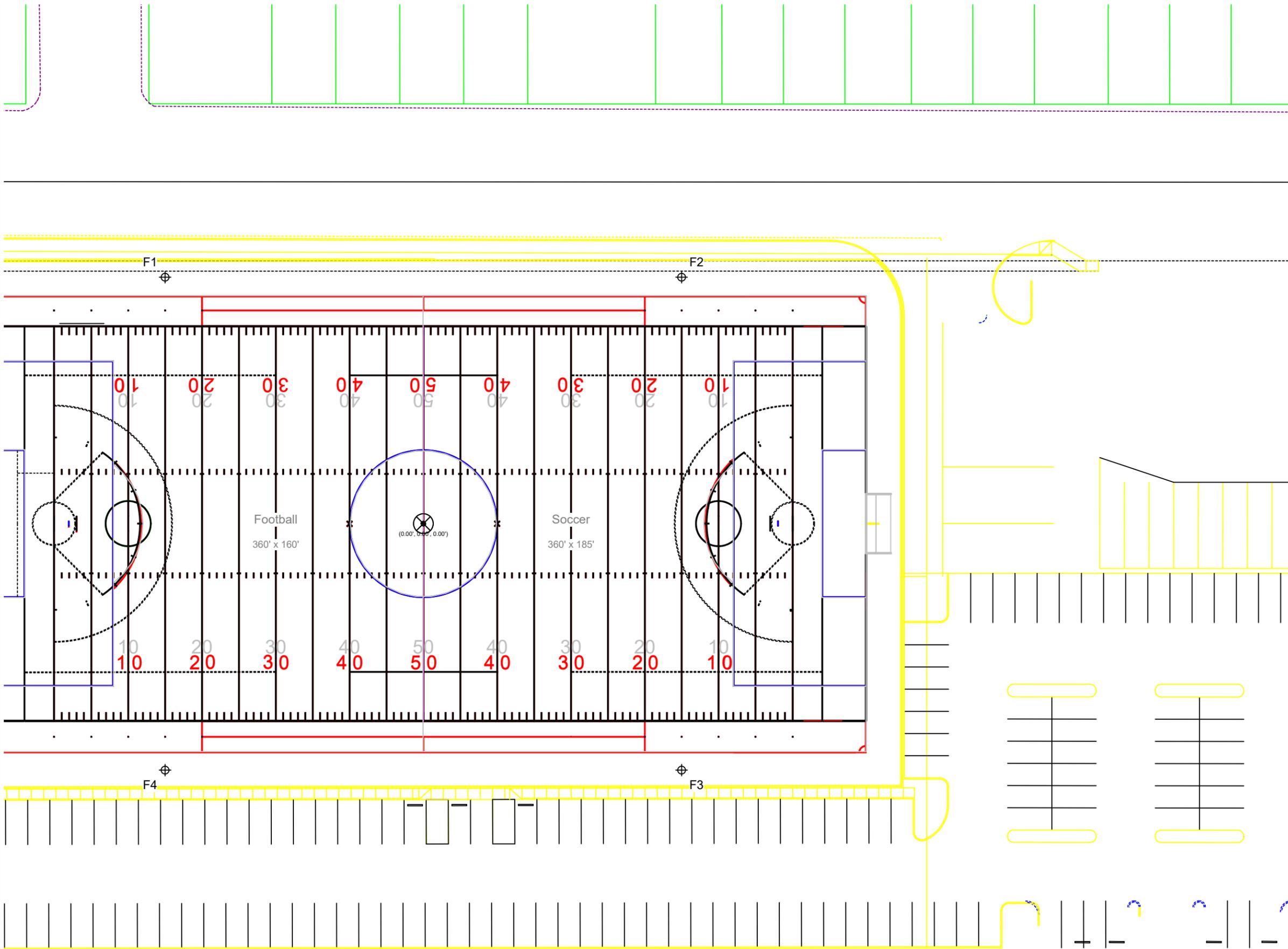
Equipment List For Areas Shown

| QTY | Structure | | | Fixtures | | |
|-----|--------------|------|------------------|--------------------|--------------|----------|
| | 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 | 6.9 | 6.5 | 6.0 | 5.2 | 4.2 | 3.8 | 3.0 |
| TLC-LED-900 | 5.2 | 4.9 | 4.5 | 3.9 | 3.1 | 2.9 | 2.3 |
| TLC-BT-575 | 3.3 | 3.2 | 2.9 | 2.5 | 2.0 | 1.8 | 1.5 |



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



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EQUIPMENT LAYOUT