





MY PROJECT

Name: National Sports Center Youth Soccer

EQUIPMENT LAYOUT

INCLUDES: · Soccer-A3

· Soccer-A4

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 ballast and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN									
	P	ole		Luminaires					
TY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE			
4	S1-S2 S5-S6	70'	-	70'	1500W MZ	8			
2	S3-S4	80'	-	80'	1500W MZ	14			
6	TOTALS								

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)							
Single Phase Voltage	208	220 (60)	240 (60)	277 (60)	347 (60)	380	480	
1500 watt MZ	8.6	8.3	7.5	6.5	5.1	4.7	3.	

ENGINEERED DESIGN

By: Will Hartl File # / Date: 188717-r3

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23-Apr-19

			AREAS SH	TOVVIA					
	P	ole		Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER	
4	S1-S2 S5-S6	70'	-	70'	1500W MZ	8	8	0	
2	S3-S4	80'	-	80'	1500W MZ	14	14	0	
6	TOTALS					60	60	0	





MY PROJECT

Name: National Sports Center Youth Soccer

Location: Blaine,MN

GRID SUMMARY

Name: Total Area Spacing: 30.0' x 30.0' Height: 3.0' above grade

CONSTANT ILLUN	INATION
SUMMARY	HORIZONTAL FOOTCANDLES
	Entire Grid
Scan Average:	31.34
Maximum:	52
Minimum:	18
Avg / Min:	1.76
Max / Min:	2.92
UG (adjacent pts):	2.12
CU:	0.72
No. of Points:	204
LUMINAIRE INFORMATIC	N .
Luminaire Type:	Green Generation
Design Usage Hours:	5,000 hours
Design Lumens:	134,000
Avg Lamp Tilt Factor:	1.000
No. of Luminaires:	60
Avg KW:	93.84 (102.0 max)

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the design usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

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 ballast and structures located within 3 feet (1m) of design locations.

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to 0,0 reference point(s)

23-Apr-19

EQU	IPMENT L	IST FOR	R AREAS SH	HOWN				
	P	ole			Luminaire	es		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE	THIS GRID	OTHER
4	S1-S2 S5-S6	70'	-	70'	1500W MZ	8	8	0
2	S3-S4	80'	-	80'	1500W MZ	14	14	0
6	TOTALS					60	60	0

NOTES: -r3: Re-aimed and used a head-box at me fixtures to reduce spill.

-r2: Added Spill scans Verify all pole locations.







MY PROJECT

Name: National Sports Center Youth Soccer

Location: Blaine,MN

GRID SUMMARY

Name: Spill

Spacing: 30.0'
Height: 3.0' above grade

CONSTANT ILLUMINATION

HORIZONTAL FOOTCANDLES **Entire Grid**

0.4287 Scan Average: Maximum:

No. of Points: 36

LUMINAIRE INFORMATION Luminaire Type: Green Generation

Design Usage Hours: 5,000 hours Design Lumens: 134,000 Avg Lamp Tilt Factor: 1.000 No. of Luminaires: 60

Avg KW: 93.84 (102.0 max)

Guaranteed Performance: The CONSTANT ILLUMINATION described above is guaranteed for the design

usage hours of the system.

Field Measurements: Illumination measured in accordance with IESNA RP-6-15 and CIBSE LG4. Individual values may vary. See the Warranty document for details.

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 ballast and structures located within 3 feet (1m) of design locations.

ENGINEERED DESIGN

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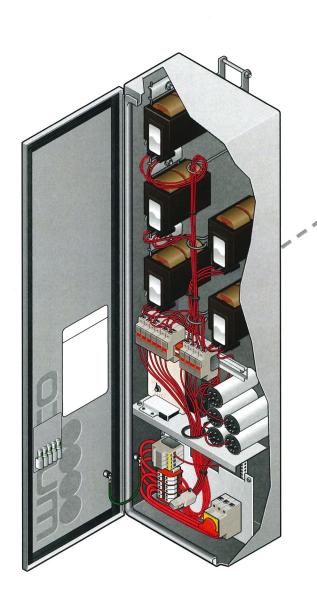


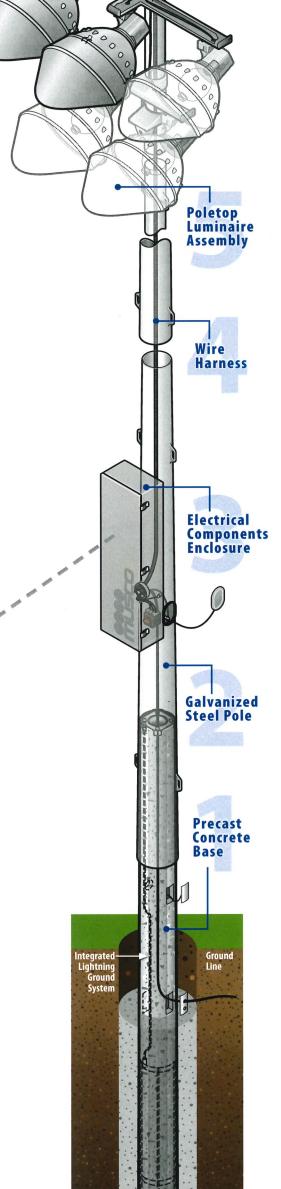
Light·Structure Green™ Lighting System

For your BUDGET, for the ENVIRONMENT.

5 Easy Pieces[™] Complete System from Foundation to Poletop

Factory wired, aimed, and tested
Fast, trouble-free installation
Comprehensive corrosion package
Integrated lightning ground system





Leading Technology

Cuts operating costs in half

Reduces spill light by 50%

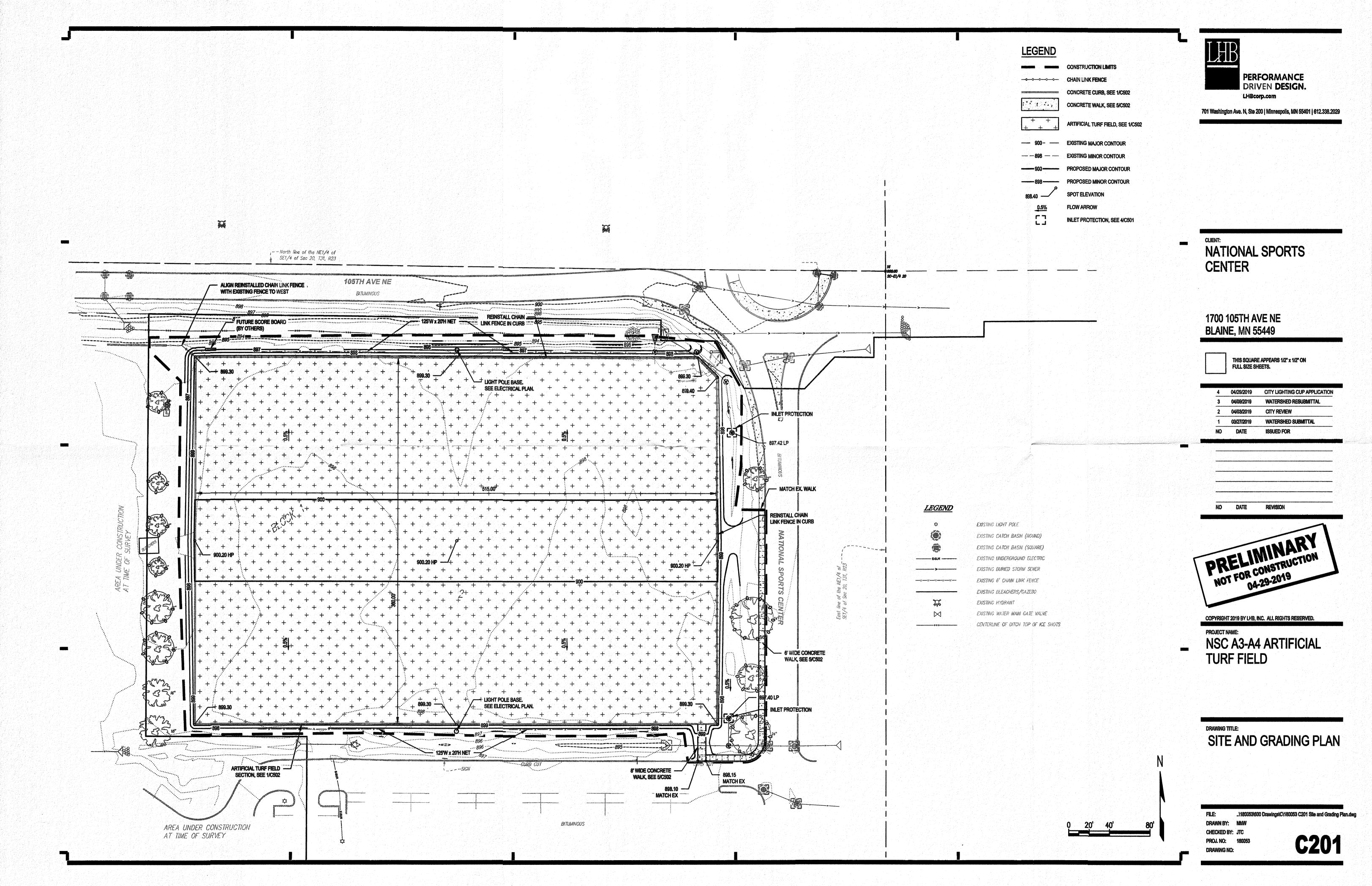
Includes 100% of maintenance costs for 25 years

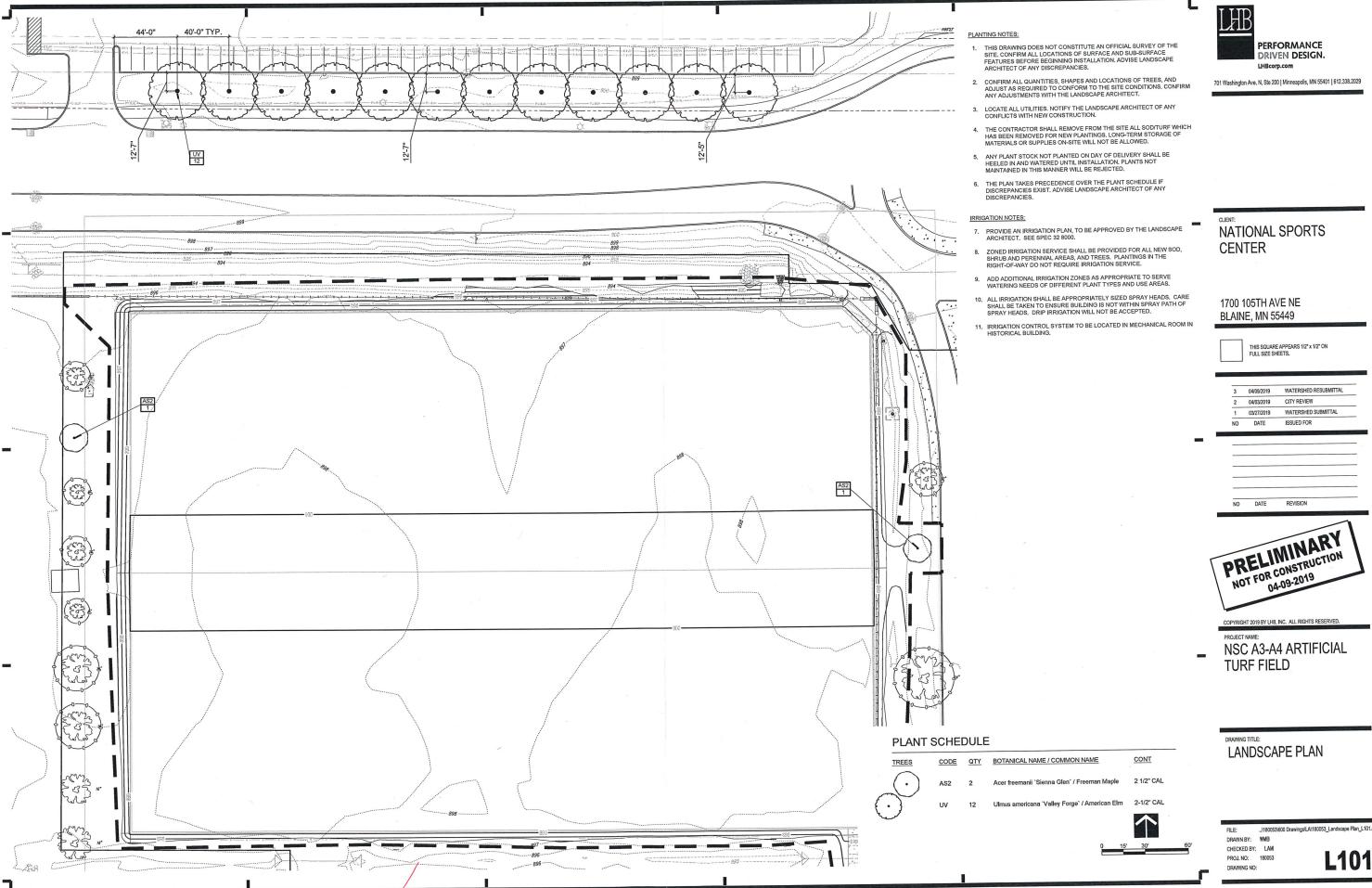
Provides constant light levels

Includes system monitoring and remote on/off control services with 24/7 support

All you add is concrete backfill, underground wiring, and a service entrance







Removed (6), Repared (0) on THISE EDGE.