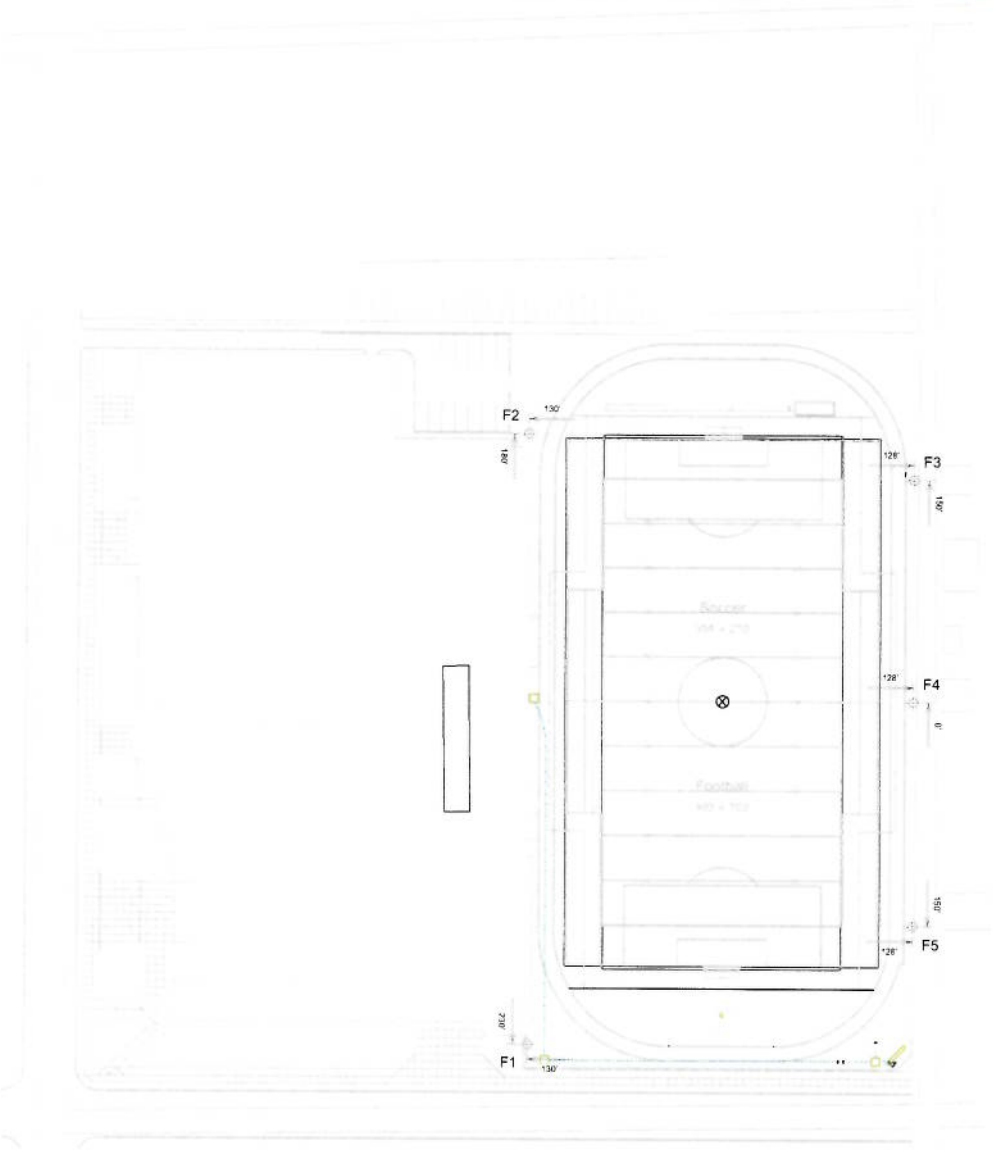

SCALE IN FEET 1 : 80

0' 80' 160'

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

MY PROJECT

Name: Capital University Bernlohr Stadium
Location: Columbus,OH

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

EQUIPMENT LIST FOR AREAS SHOWN

Pole				Luminaires		
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LAMP TYPE	QTY / POLE
1	F1	100'	-	100'	LED96	33
				25'	LED96	3
1	F2	100'	-	100'	LED96	30
				25'	LED96	3
2	F3, F5	50'	-	50'	LED96	27
				25'	LED96	3
1	F4	50'	-	50'	LED96	21
				25'	LED96	3
5	TOTALS					153

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 [60]	220 [50]	240 [50]	277 [60]	347 [60]	380 [50]	480 [60]
Other	-	-	-	-	-	-	-

ENGINEERED DESIGN

By: Zach Strong, LC
File # / Date: 41062876_LED 30-Jun-14

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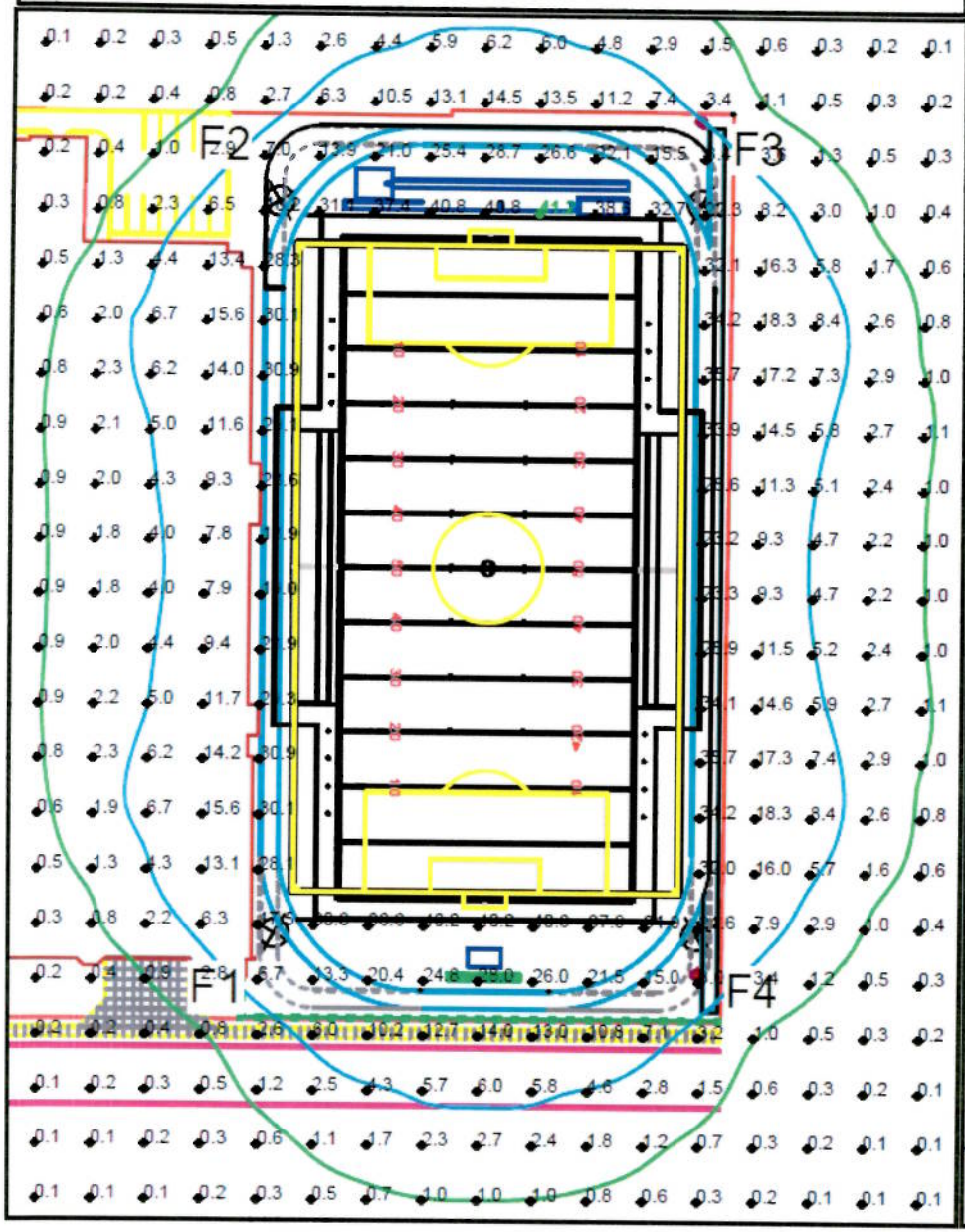
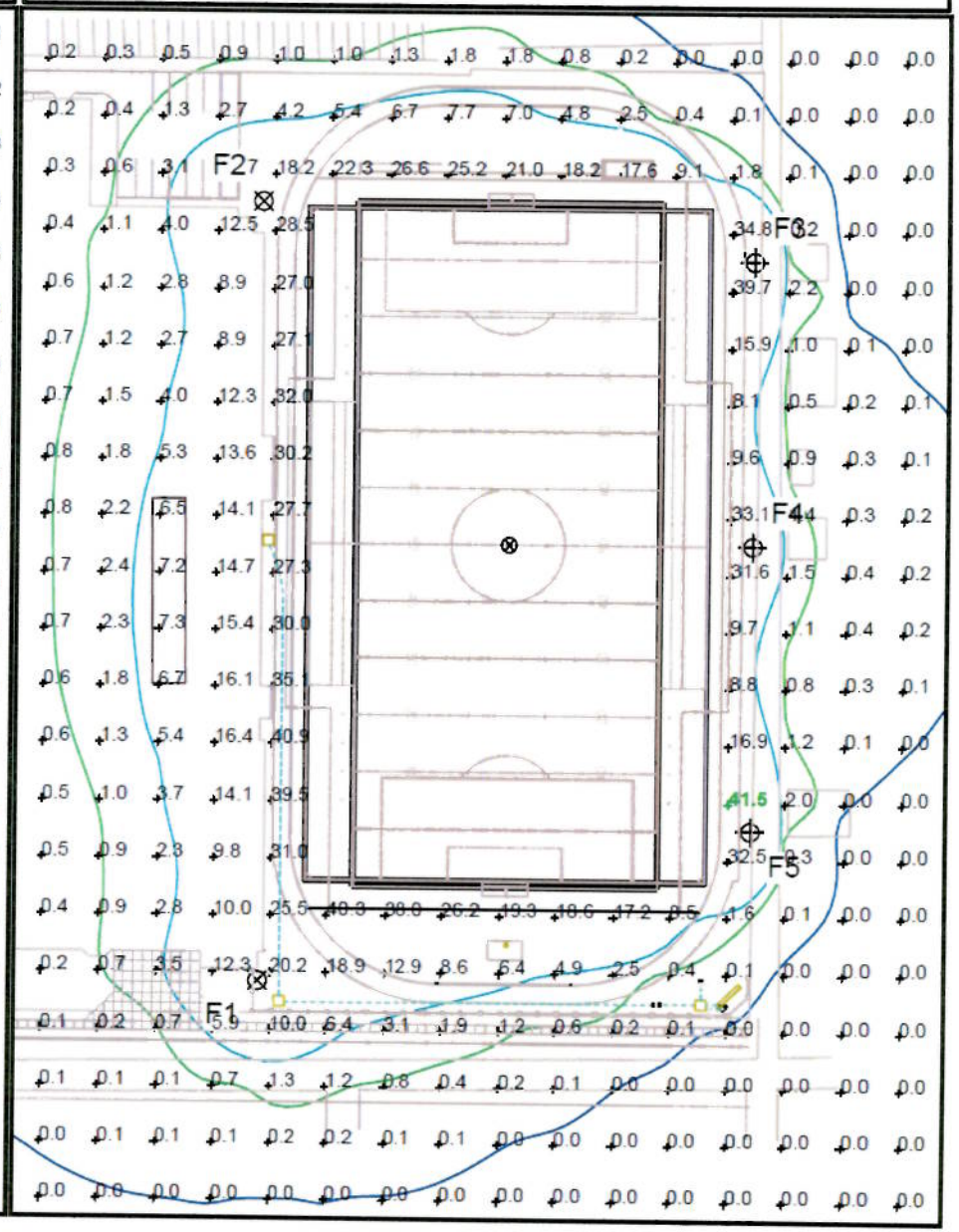
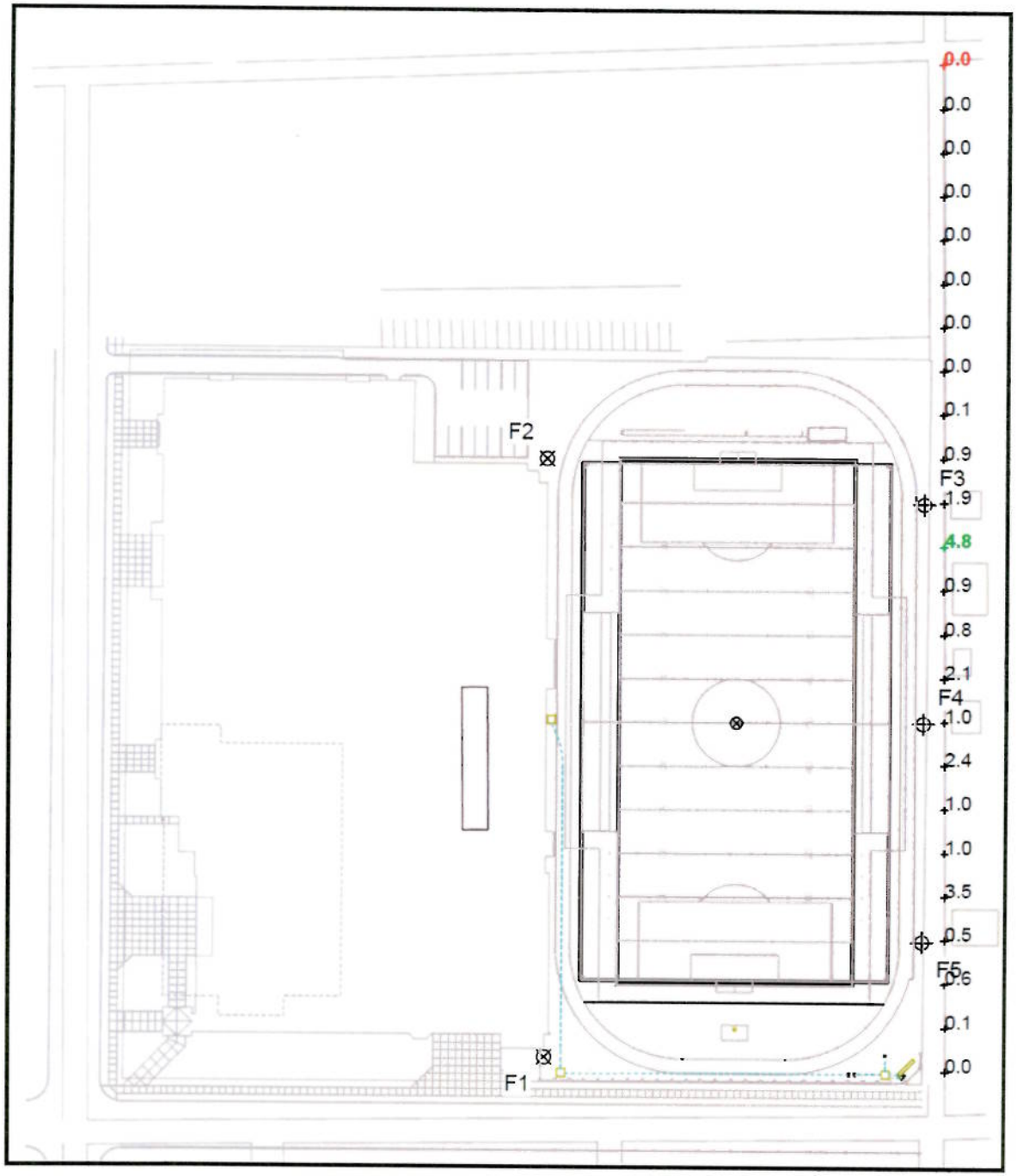
EQUIPMENT LAYOUT

Original Design using HID Lighting Technology
-Light blue contour line equals 5-footcandles
-Light green contour line equals 1-footcandle



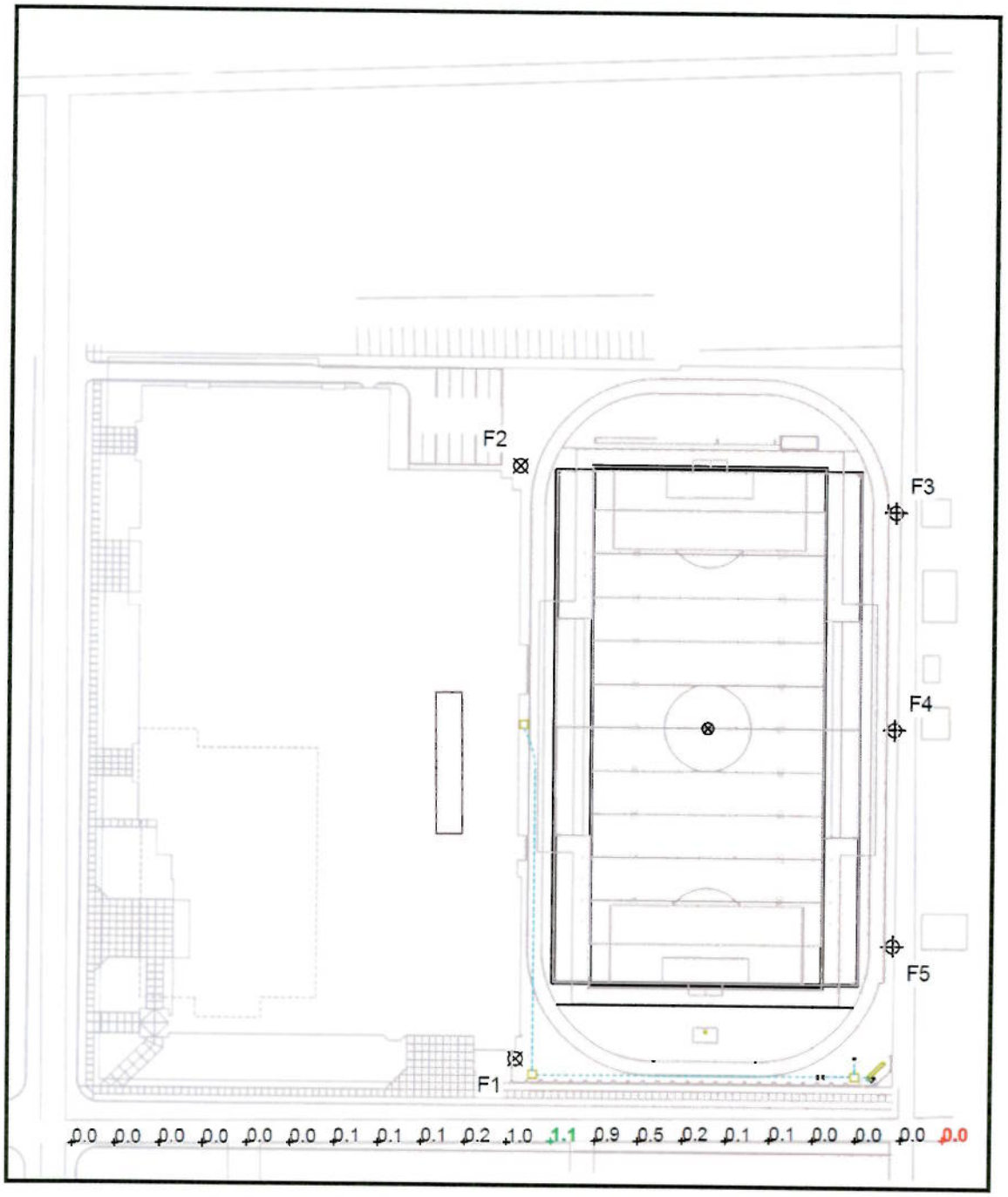
New Design using LED Lighting Technology
-Light blue contour line equals 5-footcandles
-Light green contour line equals 1-footcandle





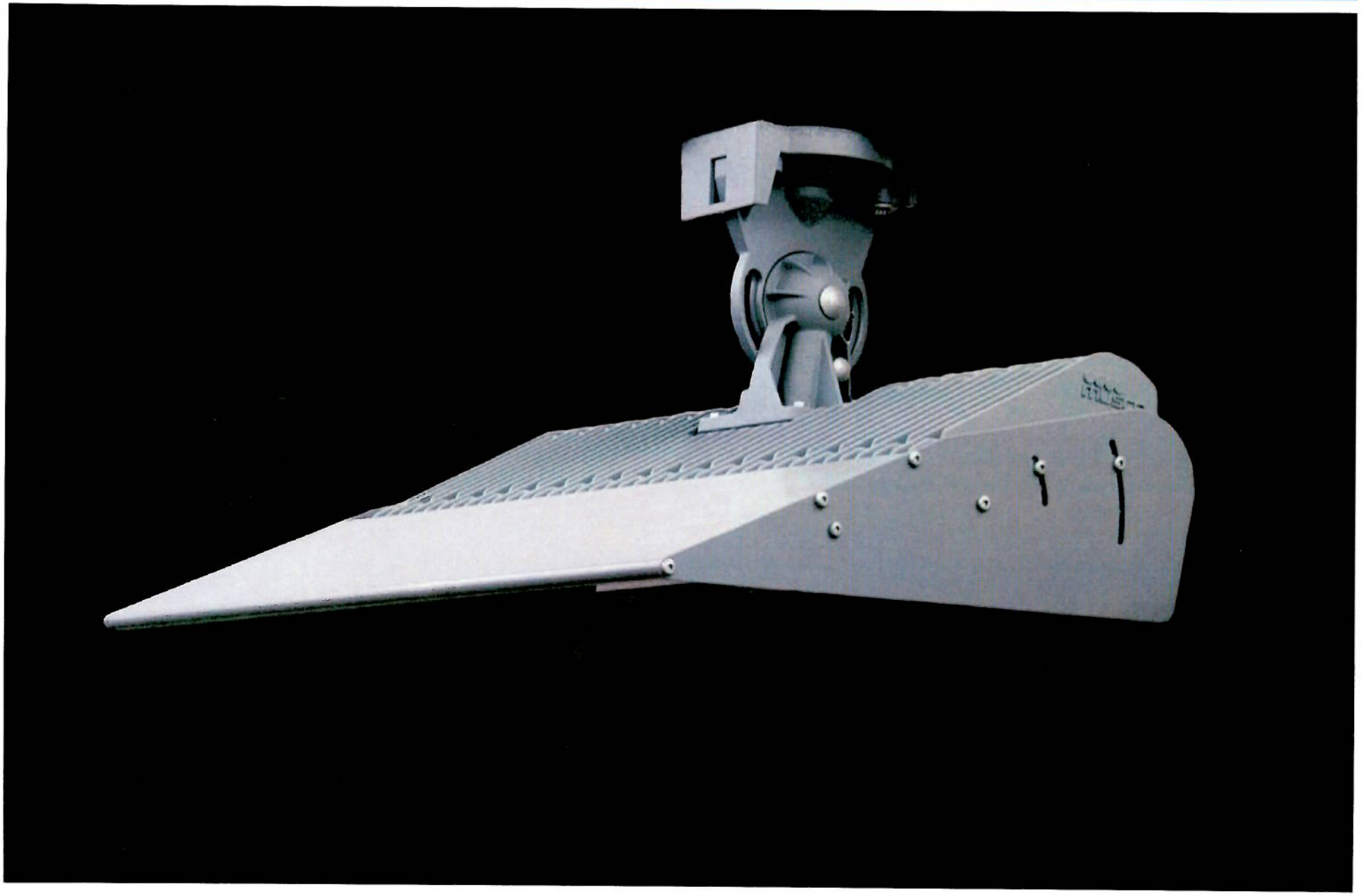
New Design
LED Lighting Technology
Horizontal spill light
East side of alley
-Maximum = 4.8 footcandles

-Meets 5 footcandle max criteria



New Design
LED Lighting Technology
Horizontal spill light
South side of E Mount Street
-Maximum = 1.1 footcandles

-Meets 5 footcandle max criteria



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Project Installations: **LED Light Source - Sports***

Collegiate

Arizona State University
Wells Fargo Arena
Basketball
Tempe, Arizona, USA

Eastern Kentucky University
Alumni Coliseum
Basketball
Richmond, Kentucky, USA

Florida Gulf Coast University
Alico Arena
Basketball
Fort Myers, Florida, USA

Kansas State University[1]
Bramlage Coliseum
Basketball
Manhattan, Kansas, USA

Liberty University[1]
Vines Center
Basketball
Lynchburg, Virginia, USA

Miami University[1]
Millett Hall
Basketball
Oxford, Ohio, USA

Michigan State University[1]
Breslin Center
Basketball
East Lansing, Michigan, USA

Michigan State University
Munn Ice Arena
Ice Hockey
East Lansing, Michigan, USA

North Carolina State
Casey Aquatics Center
Indoor Pool
Raleigh, North Carolina, USA

Rutgers University
Rutgers Athletic Center
Basketball
Piscataway, New Jersey, USA

Rutgers University[1]
Sonny Werblin Recreation Center
Indoor Pool
Piscataway, New Jersey, USA

University of Arizona[1]
McKale Center
Basketball
Tucson, Arizona, USA

University of Denver[1]
Magness Arena
Basketball
Denver, Colorado, USA

University of Missouri – Kansas City
Municipal Auditorium
Basketball
Kansas City, Missouri, USA

University of Notre Dame
Purcell Pavilion
Basketball
Notre Dame, Indiana, USA

University of Pennsylvania[1]
Palestra Arena
Basketball
Philadelphia, Pennsylvania, USA

University of Richmond
Robins Center
Basketball
Richmond, Virginia, USA

Recreation

Lacey Recreation Complex
Soccer
Oskaloosa, Iowa, USA

LakePoint Sporting Community
South Campus
Baseball, Soccer, Lacrosse & Volleyball
Emerson, Georgia, USA

Thousand Oaks Equestrian Center
Newberry Park, California, USA

Trump National Doral Miami
Driving Range
Miami, Florida, USA

Trump National Golf Club[1]
Indoor Tennis
Potomac Falls, Virginia, USA

Professional

Harbor Center[1]
Buffalo Sabres Practice Facility
NHL Ice Hockey
Buffalo, New York, USA

NRG Stadium[1]
Houston Texans
NFL Football
Houston, Texas, USA

Paul D. Bowlen Memorial Broncos Centre[1]
Denver Broncos Indoor Training Facility
NFL Football
Englewood, California, USA

PNC Arena[1]
NHL Ice Hockey & NCAA Basketball
Raleigh, North Carolina, USA

PPL Center
AHL Ice Hockey
Allentown, Pennsylvania, USA

Sioux Falls Arena
Ice Hockey, Football & Basketball
Sioux Falls, South Dakota, USA

Twickenham Stadium[1]
Rugby
London, England

USTA West Campus[1]
Tennis
Flushing, New York, USA

*Partial Listing 1 – Under Construction

LakePoint Sports Complex · Emerson, Georgia, USA

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Solutions for Lighting

LakePoint Sports Complex · Emerson, Georgia, USA

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Light-Structure Green™—LED Light Source

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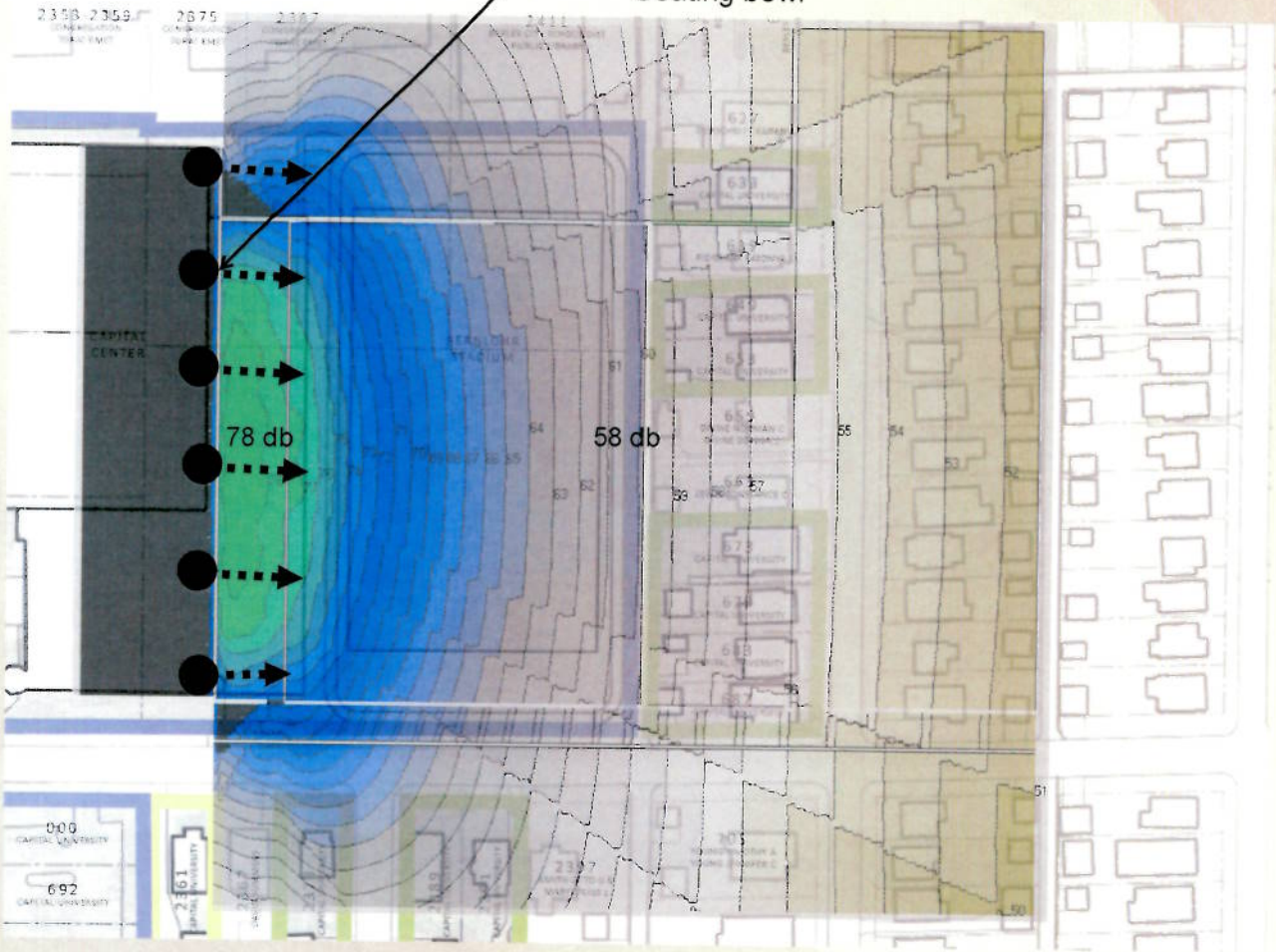
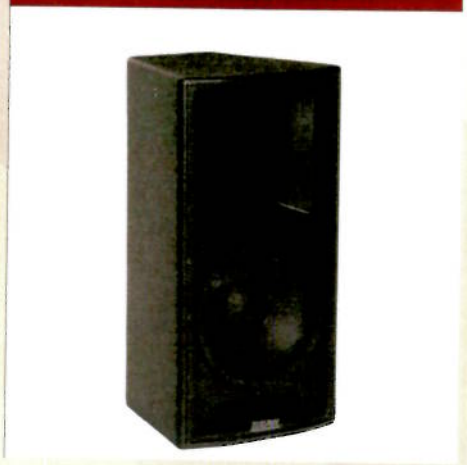
Capital University
Ask. Think. Lead.

Speakers



MK2326 Specifications



April 22, 2013

MOODY·NOLAN