

Existing Panel Load Summary

Existing Siemens type F1, 400 amp bus with 300A main breaker
240V, 3 phase

Type	Brkr	Pole #	Fixture Quantity	Load in V.A.	Amps at 240V 3 phase
Ex Brkr	3P-30	A1	5	9,000	21.7
Ex Brkr	3P-30	A2	5	9,000	21.7
Ex Brkr	3P-30	A3	5	9,000	21.7
Ex Brkr	3P-30	A4	4	7,200	17.3
Ex Brkr	3P-40	B1	8	14,400	34.7
Rep brkr	3P-30	B3	3	5,400	13.0
Rep brkr	3P-30	S1	5	9,000	21.7
Rep brkr	3P-30	B2	4	7,200	17.3
New brkr	1P-20	control	na	120	na
Summation				70,200	169.2

Ex Brkr Indicates existing breaker to be re-used

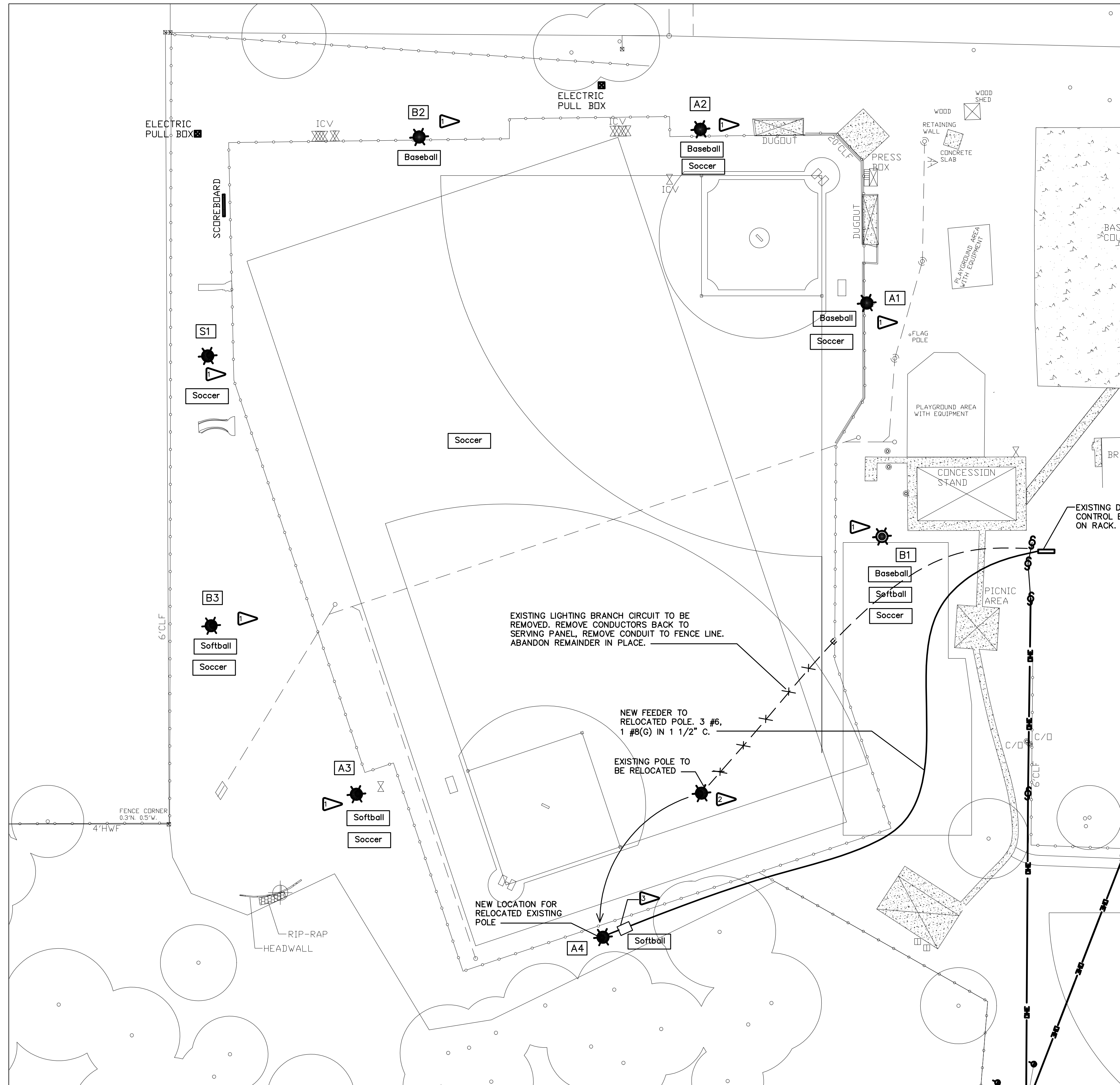
Rep brkr Indicates a new breaker to replace existing

New brkr Indicates a new breaker in existing space

Switching 'zones' matrix

Zones	1	2	3	4	5	6
Baseball Field			X	X	X	
Softball Field	X	X	X			
Soccer Field	X		X		X	X

Pole #	Zone	Fixt. Quant.	Cont. Amps
A3	1	5	30
B3	1	5	30
A4	2	4	30
B1	3	8	40
B2	4	4	30
A1	5	5	30
A2	5	5	30
S1	6	5	30



SITE PLAN
1"=30'-0"

- ▽ EXISTING POLE IN EXISTING LOCATION. LIGHT FIXTURES AND ASSEMBLY TO BE REMOVED AND REPLACED WITH NEW FIXTURES AND ASSEMBLY IN PLACE. EXISTING BRANCH CIRCUIT CONDUCTORS AND CONDUIT TO BE RE-USED.
- ▽ EXISTING POLE TO BE REMOVED AND RELOCATED AS INDICATED.
- ▽ NEW IN GROUND BOX WITH GROUND ROD. SEE POLE DETAIL SHEET E-2

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Tallahassee, Florida 32305
AUTH.# 00005995
LIC.# AA002555
2012.04

JOB NO. _____
DRAWN TAW
DESIGNED TAW
CHECKED CC
DATE _____
SIGNATURE _____
UNLESS SHOWN IN THIS BLOCK

ORIGINAL: MARCH 29, 2012
REVISIONS:
1 _____
2 _____
3 _____
4 _____
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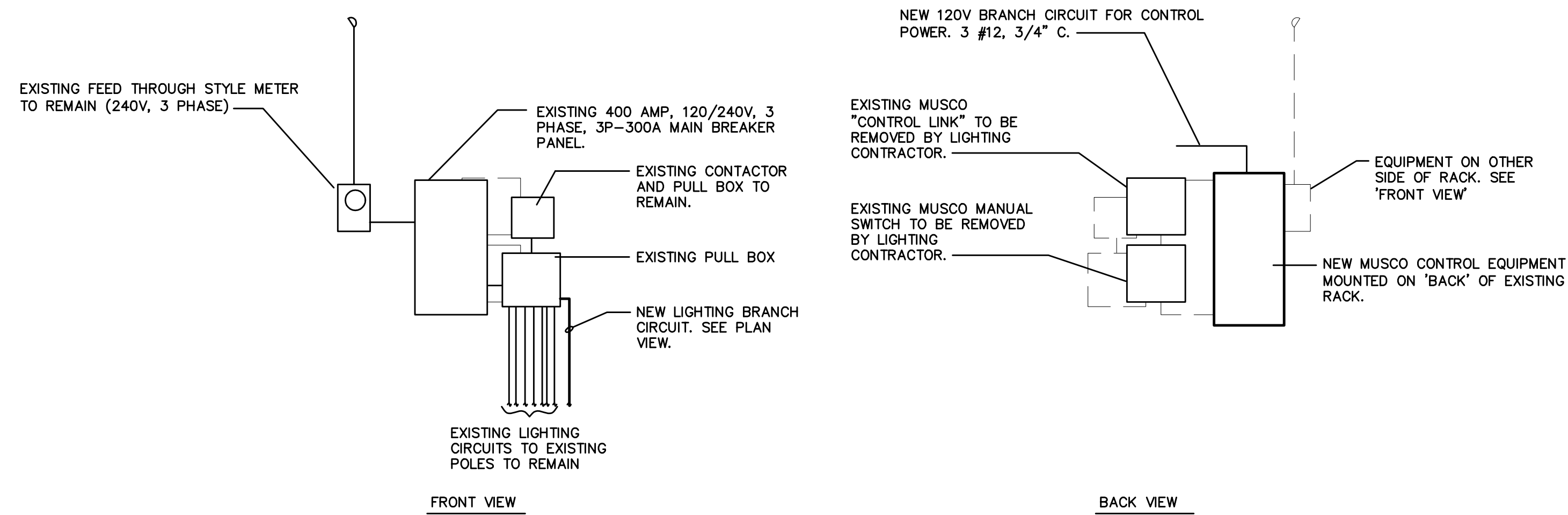
TASK: **SPORTS LIGHTING & ELECTRICAL**

PROJECT: **MICCOSUKEE COMMUNITY PARK IMPROVEMENTS**

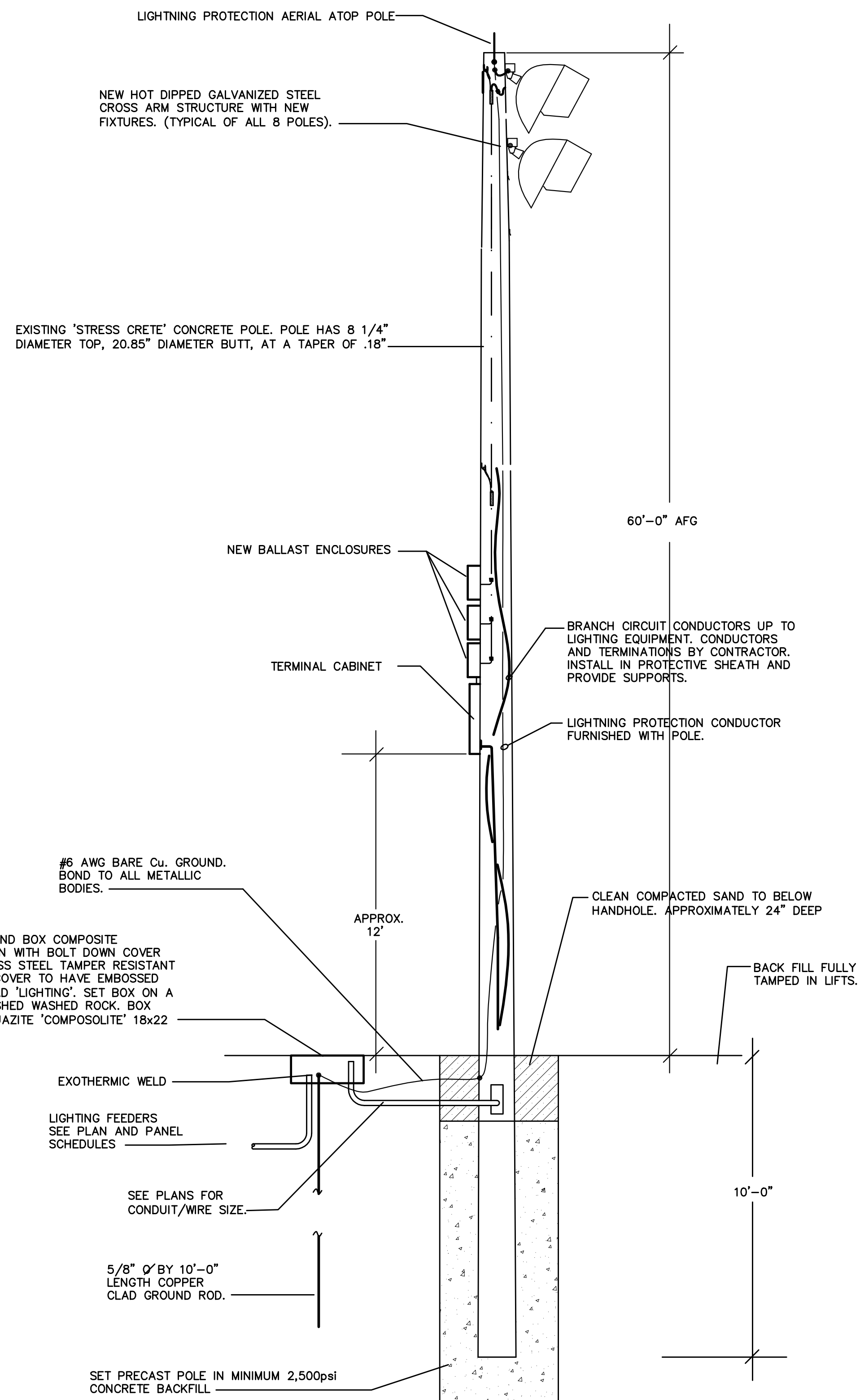
CLIENT: **LEON COUNTY PARKS & RECREATION**
2280 Miccosukee Road
Tallahassee, FL 32308

ATKINS
2630 N. Monroe St., Building C
Tallahassee, Florida 32303
850.575.1800
FBR Certificate of Authorization No. 24

SHEET **E-1**



ELECTRICAL RISER DIAGRAM
NTS



DETAIL - LIGHT POLE INSTALLATION
NTS

JOB NO.	---	DATE	---
	TAW		TAW
DRAWN	---	CHECKED	---
DESIGNED	---	OC	---
SHEET			E-2

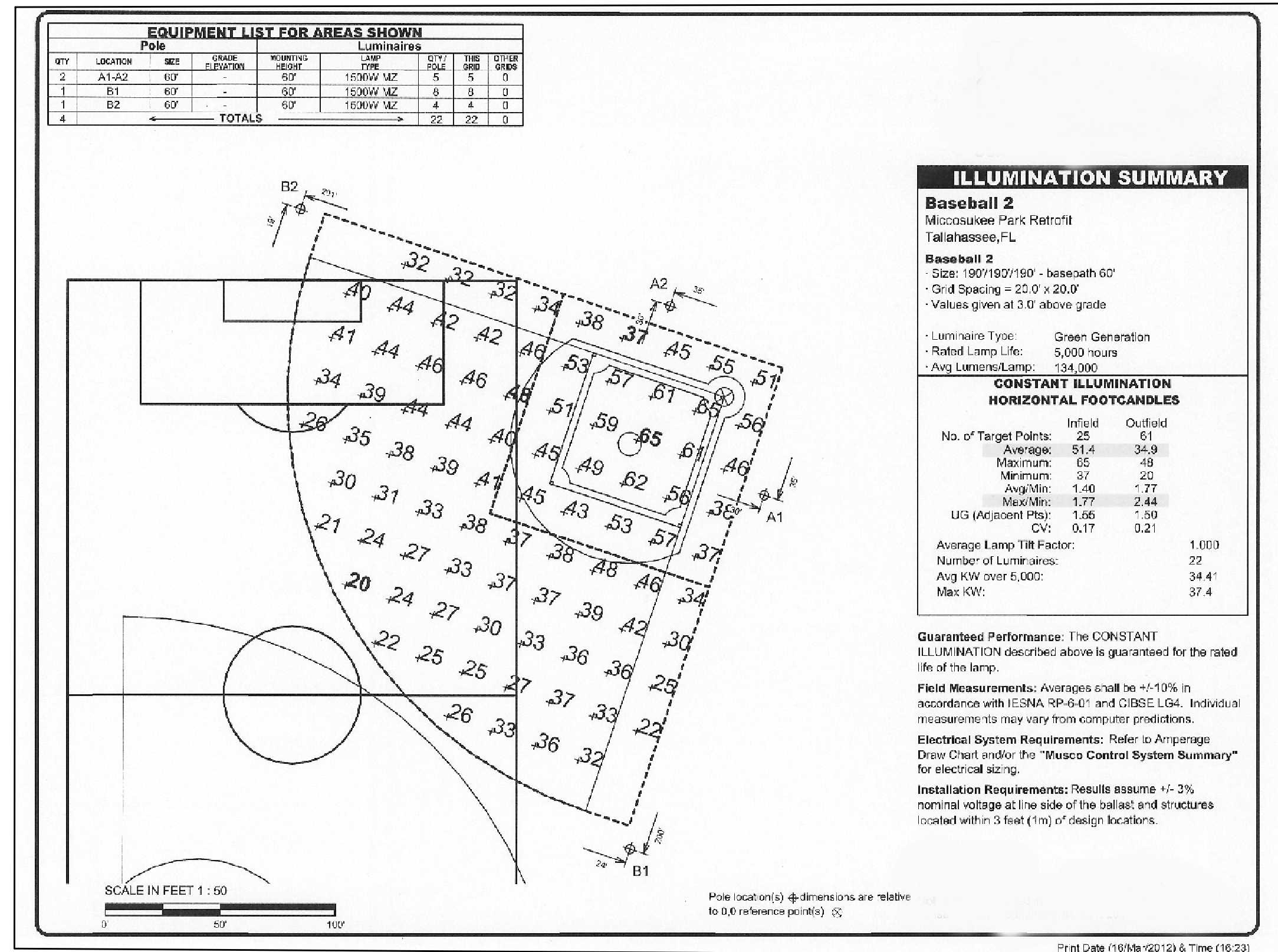
ORIGINAL	MARCH 29, 2012
REVISIONS:	
1	
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3	
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TASK: **POLE & EQUIPMENT DETAILS**

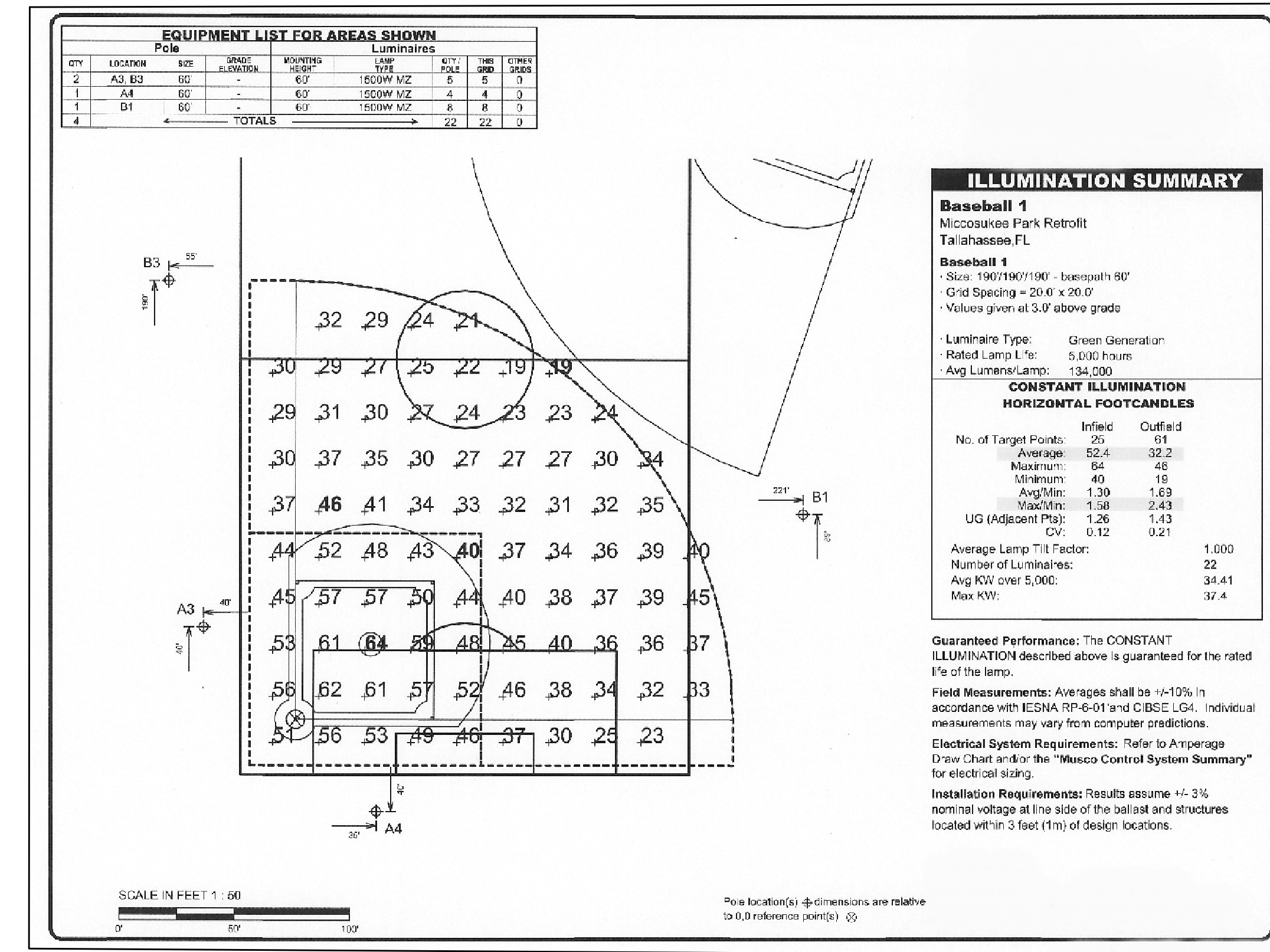
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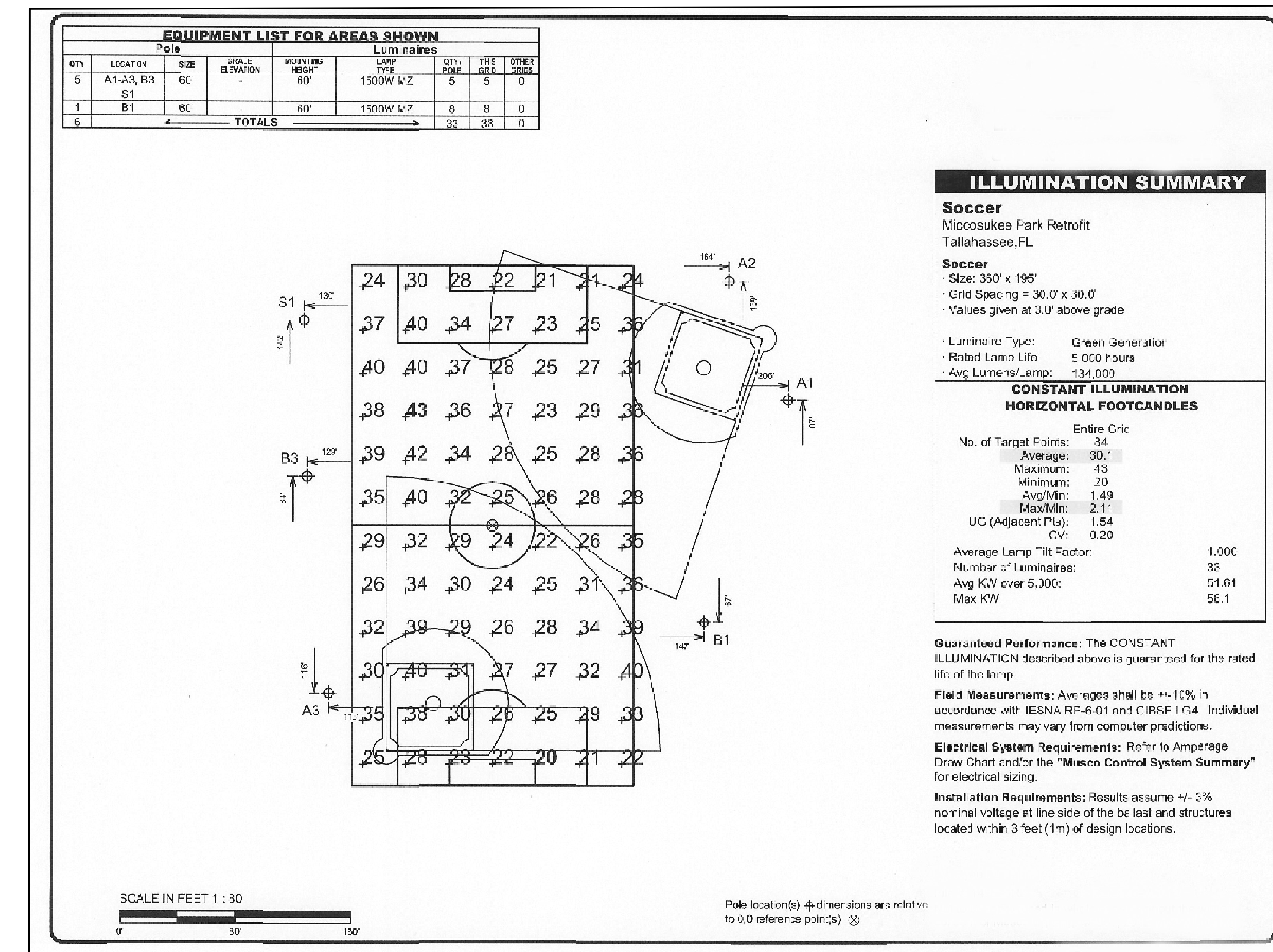
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2012.04



LIGHTING LEVEL CALCULATIONS
 BASEBALL FIELD
 NTS



LIGHTING LEVEL CALCULATIONS
 SOFTBALL FIELD
 NTS



LIGHTING LEVEL CALCULATIONS
 SOCCER FIELD
 NTS

CALCULATIONS ARE BASED ON INFORMATION PROVIDED BY MUSCO SPORTS LIGHTING

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 LLC # AAC02555
 2012.04

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ORIGINAL: MARCH 29, 2012
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 1 _____
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 3 _____
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 5 _____

PROJECT: **MICCOSUKEE COMMUNITY PARK IMPROVEMENTS**

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TASK: **LIGHTING LEVEL CALCULATIONS**

SHEET **E-3**

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