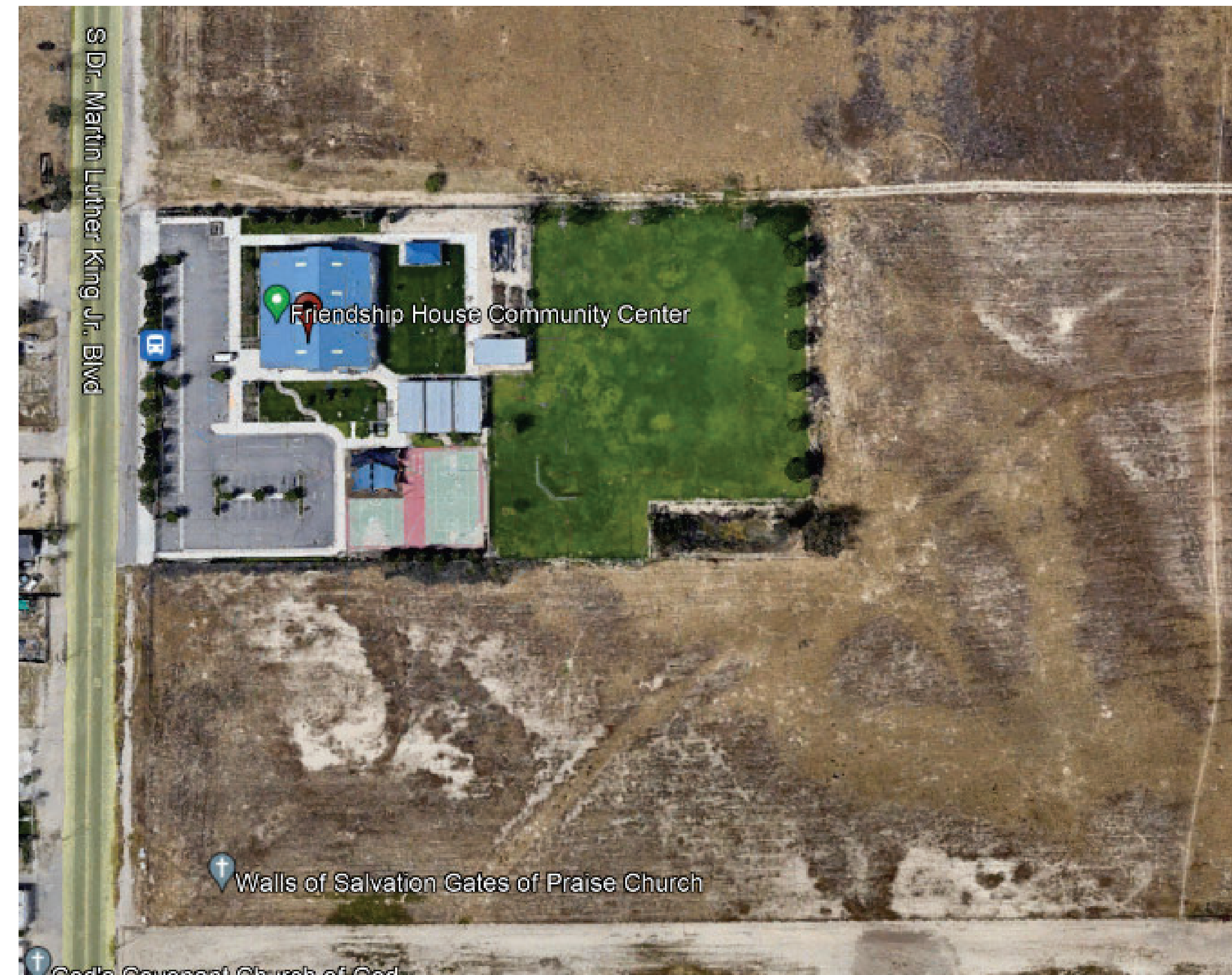


Company: Bronco Electric Inc.
Address: 1711 Art Street
City/State: Bakersfield, CA
Phone: 661-589-9439
Fax: 661-588-2220



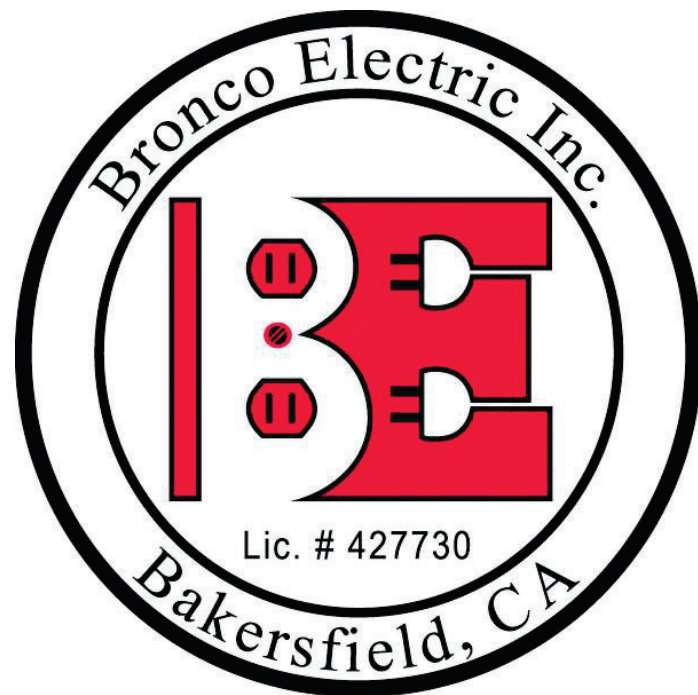
Sheet List	
Sheet Name	Sheet Number
Cover	E.00
Property Line Photometrics	E.01
Photometrics	E.02
Photometrics 2	E.03
Site Pole Location	E.04
Site Lighting Layout	E.05
Panel Schedules / 1-line	E.06
Structural Calcs	E.07
Details	E.08
Musco Details	E.09
Musco Details 2	E.010

[illegible]

A circular professional engineer seal for Karen A. Martinez, E 18218, State of California, Electrical. The seal features the text "REGISTERED PROFESSIONAL ENGINEER" at the top, "KAREN A. MARTINEZ" in the center, "E 18218" below the name, and "ELECTRICAL" and "STATE OF CALIFORNIA" at the bottom. A blue ink signature is written across the seal.

Project number	Project Number
Date	5/19/2023 9:45:04 AM
Drawn by	Author
Checked by	Checker

Scale	1/4" = 1'-0"
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www.broncoelectric.com

Company: Bronco Electric Inc.
Address: 1711 Art Street
City/State: Bakersfield, CA
Phone: 661-589-9439
Fax: 661-588-2220

CAPK Friendship House Community Center Soccer
Bakersfield, CA

EQUIPMENT LAYOUT

INCLUDES:

- Basketball
- Multipurpose Field

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

Pole			Luminaires			
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE
1	S1	70'	-	70'	TLC-LED-1500	4
				40'	TLC-LED-600	2
				70'	TLC-LED-1200	2
1	S2	70'	-	70'	TLC-LED-1500	4
				70'	TLC-LED-1200	1
1	S3	60'	-	60'	TLC-LED-1500	2
				60"	TLC-LED-1200	2
1	S4	60'	-	60'	TLC-LED-900	1
				60'	TLC-LED-1500	2
				60'	TLC-LED-1200	1
4	TOTALS					21

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (1.0 min power factor)	Line Amperage Per Luminaire (max draw)							
Single Phase Voltage	208 V	220 V	240 V	277 V	347 V	380 V	480 V	
TLC-LED-1200	7.0	6.6	6.1	5.2	4.2	4.0	3.0	
TLC-LED-900	5.3	5.0	4.6	4.0	3.2	2.9	2.3	
TLC-LED-1500	8.5	8.1	7.4	6.4	5.1	4.7	3.7	
TLC-LED-600	3.4	3.2	3.0	2.6	2.0	1.9	1.5	



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EQUIPMENT LAYOUT



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

ENGINEERED DESIGN By: C.Hensley - File #223055Cr1 - 03-Nov-22



CAPK Sports Lighting
Site Pole Location

Project number	Project Number
Date	5/18/2023 3:10:39 PM
Drawn by	Author
Checked by	Checker

E.04

Scale 1/8" = 1'-0"

5/18/2023 3:10:39 PM

5/19/2023 9:38:21 AM

