Alachua Babe Ruth Complex Phase 1
Alachua, FL

EQUIPMENT LAYOUT

INCLUDES:
· Field 1
· Field 2
· Field 3
· Field 4

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
2	A1-A2	60'	-	15.5'	TLC-BT-575	1/1*
				40'	CREE OSQ	1
				60'	TLC-LED-900	3/3*
2	A3-A4	60'	-	15.5'	TLC-BT-575	1
				40'	CREE OSQ	1
				60'	TLC-LED-900	3
2	A5-A6	60'	-	15.5'	TLC-BT-575	1
				60'	TLC-LED-900	3
3	B1-B2, B5	70'	-	15.5'	TLC-BT-575	1
				70'	TLC-LED-1500	4
2	B3-B4	70'	-	70'	TLC-LED-550	1
				15.5'	TLC-BT-575	1
				70'	TLC-LED-1500	4
1	B6	70'	-	15.5'	TLC-BT-575	1
				70'	TLC-LED-1500	5
1	B7	70'	-	19'	TLC-BT-575	1/1*
				70'	TLC-LED-1500	5/4*
1	C1	60'	-	15.5'	TLC-BT-575	2
				60'	TLC-LED-1500	4
2	C2-C3	60'	-	60'	TLC-LED-1200	2
				15.5'	TLC-BT-575	1
				60'	TLC-LED-1500	2
16			TOTALS			96

* This structure utilizes a back-to-back mounting configuration

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Driver (.90 min power factor)	Line Amperage Per Luminaire (max draw)						
Single Phase Voltage	208 (60)	220 (60)	240 (60)	277 (60)	347 (60)	380 (60)	480 (60)
TLC-LED-900	5.2	4.9	4.5	3.9	3.1	2.9	2.3
TLC-BT-575	3.4	3.2	2.9	2.5	2.0	1.8	1.5
TLC-LED-1500	8.4	7.9	7.3	6.3	5.0	4.6	3.6
TLC-LED-1200	6.9	6.5	6.0	5.2	4.2	3.8	3.0
TLC-LED-550	3.2	3.0	2.8	2.4	1.9	1.8	1.4
Cree OSQ	-	-	-	-	0.3	-	0.2

HBRC Lighting - 16

MUSCO Lighting
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SCALE IN FEET 1 : 100
0'   100'   200'
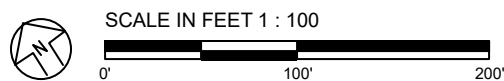
Pole location(s) ⊕ dimensions are relative to 0,0 reference point(s) ⊗

ENGINEERED DESIGN By: Brayton Carter · File #187048A · 19-Sep-23

EQUIPMENT LAYOUT

Field 1 — 200'/200'/200' - basepath 60'
Field 2 — 200'/200'/200' - basepath 60'
Field 3 — 200'/200'/200' - basepath 60'
Field 4 — 200'/200'/200' - basepath 60'