

SITE AREA LIGHT FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LED LUMENS	LED WATTAGE	MOUNTING	NOTES
0A	LED PARKING AREA (SINGLE HEAD)	LITHONIA, HUBBELL, LUMARK	OLF-3RH-40K-120-DOB	3,100 lm	38 w	WALL	-
0B	LED PARKING AREA (TWIN HEAD @ 80)	LITHONIA, HUBBELL, LUMARK	(2) RSK1-P1-40K-R4S-120-SPA-HS-DOBKD	6,313 lm	102 w	POLE	1

LIGHT FIXTURE SCHEDULE NOTES

- PROVIDE 12'-0" POLE, LITHONIA #SSS-12-4C-DM29AS-FBC-TC-DOBKD.

SERVICE	WATTS	NOTES	CKT NO.	ABC	CKT NO.	NOTES	WATTS	SERVICE
RCPT - GENERAL	180	-	1		2	-	72	LITG - SITE
SPARE	-	-	3		4	-	174	LITG - SITE
SPARE	-	-	5		6	-	-	SPARE
SPARE	-	-	7		8	-	-	SPARE
SPARE	-	-	9		10	-	-	SPARE
SPARE	-	-	11		12	-	-	SPARE
SPARE	-	-	13		14	-	-	SPARE
SPARE	-	-	15		16	-	-	SPARE
SPARE	-	-	17		18	-	-	SPARE
SPARE	-	-	18		20	-	-	SPARE
SPARE	-	-	21		22	-	-	SPARE
SPARE	-	-	23		24	-	-	SPARE
SPARE	-	-	25		26	-	-	SPARE
SPARE	-	-	27		28	-	-	SPARE
SPARE	-	-	29		30	-	-	SPARE

PANEL SCHEDULE "LS"

SERVICE: 120/240 VOLT, 1 PHASE, 3 WIRE

MAINS: 100 AMP WITH 100/2 M.C.B.

BRANCHES: 20/1 EXCEPT AS NOTED

MOUNTING: SURFACE (NEMA 3R)

GENERAL NOTES:

- PROVIDE SEPARATE GROUND BUS
- PROVIDE SERVICE ENTRANCE LABEL
- PROVIDE PAD LOCKABLE ENCLOSURE

CONNECTED LOAD: 0.50 KVA

- ### ELECTRICAL GENERAL NOTES
- THE CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED PROJECT TO INSPECT THE EXISTING CONDITIONS AND DETERMINE THE SCOPE OF HIS WORK. THE SITE INSPECTION SHALL BE MADE PRIOR TO SUBMITTING BID FOR THE PROPOSED PROJECT. NO COMPENSATION WILL BE ALLOWED FOR FAILURE TO INSPECT THE SITE. CONTRACTOR SHALL INFORM ARCHITECT PRIOR TO BIDDING OF DISCREPANCIES WHICH EXIST BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS.
 - REFER TO RISER DIAGRAM FOR FEEDER SIZES FOR PANELBOARDS.
 - CONTRACTOR SHALL COORDINATE INSTALLATION OF NEW LIGHTING FIXTURES, RECEPTACLES, PANELBOARDS, ETC. WITH EXISTING STRUCTURE, PIPING, ETC. AND MAKE ADJUSTMENTS AS REQUIRED.
 - PROVIDE ARC FLASH LABELING FOR ALL ELECTRICAL EQUIPMENT PER N.E.C. AND N.F.P.A. 70E. MAIN DISTRIBUTION PANEL OR MAIN SWITCHGEAR MANUFACTURER SHALL PROVIDE A COMPLETE ARC FLASH STUDY AND ALL EQUIPMENT LABELING.
 - PROVIDE FINISHED COVER PLATES FOR ALL JUNCTION BOXES.
 - BRANCH CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN NO.12 AND WHERE BRANCH CIRCUIT CONDUCTOR RUNS FROM SOURCE (PANEL) TO THE LAST DEVICE ON THE CIRCUIT EXCEEDS 100 FT. IN LENGTH, THE CONDUCTORS SHALL BE NO. 10 MINIMUM AND FOR THE ENTIRE LENGTH OF THE CIRCUIT. FOR RUNS OVER 200 FT. IN LENGTH THE CONDUCTOR SHALL BE NO. 8 MINIMUM AND FOR THE ENTIRE LENGTH OF THE CIRCUIT. THE ABOVE APPLIES TO 120 VOLT CIRCUITS ONLY.
 - CONTRACTOR SHALL ASSURE THAT ALL WORK CLEARANCES PER THE N.E.C. ARE MET OR EXCEEDED WITH EQUIPMENT FURNISHED PRIOR TO ROUGH-IN. NOTIFY ARCHITECT OF ANY DISCREPANCIES WITH THE ELECTRICAL PLANS.
 - BRANCH CIRCUITING WIRES SHALL NOT PASS THROUGH ELECTRICAL DEVICES (PANELS, DISCONNECT SWITCHES, CONTACTORS, ETC.) OTHER THAN THOSE DESIGNED FOR THE USE AS A JUNCTION BOX.
 - WIRE NUTS ARE NOT PERMITTED WITH IN THE ELECTRICAL PANEL OR ELECTRICAL DEVICES. ALL WIRING SHALL BE PULLED AT REQUIRED LENGTHS WITH OUT SPLICING WITHIN ELECTRICAL PANELS AND OTHER ELECTRICAL DEVICES.
 - PROVIDE DEDICATED NEUTRALS FOR ALL CIRCUITS, DO NOT SHARE NEUTRALS.
 - PROVIDE AND INSTALL ALL CONDUIT AND POWER CIRCUITS FOR VIDEO SURVEILLANCE SYSTEM. REFER TO LOW VOLTAGE DRAWINGS FOR ALL CONDUIT AND POWER REQUIREMENTS.

- ### ELECTRICAL SPECIFICATIONS
- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT FOR COMPLETE ELECTRICAL INSTALLATION.
 - ALL WORK SHALL CONFORM TO REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE STATE AND LOCAL CODES.
 - WORKMANSHIP SHALL BE FIRST QUALITY AND IN ACCORDANCE WITH BEST PRACTICES OF THE TRADE BY SKILLED WORKERS.
 - LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ACTUAL LOCATIONS WITH OTHER TRADES.
 - CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND SHALL FURNISH CERTIFICATION OF INSPECTION TO OWNER AT THE COMPLETION OF THE PROJECT.
 - ALL MATERIAL SHALL BE NEW AND FULLY APPROVED AND LABELED.
 - UNLESS OTHERWISE NOTED, WIRING ABOVE GRADE SHALL BE TYPE THW 75 DEGREE C IN EMT WITH 1/2" SCREW TERMINALS. MINIMUM WIRE SIZE SHALL BE #12 AWG. ALL WIRE SHALL BE COPPER.
 - ALL ELECTRICAL DEVICES AND SYSTEMS SHALL BE TESTED AND ADJUSTED FOR PROPER OPERATION. COMPLETED WIRING SYSTEM SHALL BE FREE OF SHORT CIRCUITS.
- PANELBOARDS SHALL BE SQUARE-D TYPE "NODD" FOR 120/240, 1 PHASE, 3 WIRE SYSTEM OR APPROVED EQUALS AS SCHEDULED ON DRAWINGS. PROVIDE ENGRAVED NAMEPLATES AND TYPED DIRECTORY.
- RECEPTACLES TO BE SPECIFICATION GRADE, 20A, 120V HUBBELL CAT. #5262-1 WITH METAL DEVICE PLATE.
- LIGHTING FIXTURES AND LAMPS TO BE FURNISHED AND INSTALLED AS INDICATED ON THE FIXTURES SCHEDULE ON THE DRAWINGS.

- ### RISER DIAGRAM NOTES
- NEW POLE MOUNTED TRANSFORMER, 120/240 VOLT, 1 PHASE, 3 WIRE. COORDINATE EXACT LOCATION, DETAILS AND METERING OF POLE MOUNTED TRANSFORMERS WITH GEORGIA POWER COMPANY PRIOR TO ROUGH-IN.
 - WEATHERHEAD AND RIGID STEEL CONDUIT BY ELECTRICAL CONTRACTOR.
 - UNDERGROUND SERVICE BY GEORGIA POWER COMPANY, COORDINATE PRIOR TO ROUGH-IN. ELECTRICAL CONTRACTOR TO PROVIDE 1-1/2" PVC CONDUIT. TRANSITION TO RIGID STEEL CONDUIT ABOVE GRADE.
 - CT'S AND METERING BY GEORGIA POWER COMPANY, COORDINATE PRIOR TO ROUGH-IN.
 - 3/8" IN 1-1/4" RIGID STEEL CONDUIT.
 - 4-POLE LIGHTING CONTACTOR IN NEMA 3R PAD LOCKABLE ENCLOSURE WITH H-0-A SWITCH AND 120-VOLT COIL.
 - TORK SERIES, 24/7 DIGITAL TIME CLOCK IN NEMA 3R PAD LOCKABLE ENCLOSURE.
 - 120 VOLT, 20 DUPLEX RECEPTACLE MOUNT TO UNI-STRUT FRAME. PROVIDE WEATHERPROOF STEEL ENCLOSURE WITH METAL IN-USE COVER.
 - 4" SQUARE METAL FENCE POST, EXTEND 3'-0" BELOW GRADE AND ENCASE IN CONCRETE. PROVIDE METAL CAP.
 - UNI-STRUT HORIZONTAL BRACING, SECURE TO METAL FENCE POSTS.
 - #8 CU GROUND TO (3) 3/4"x8'-0" COPPERWELD GROUND RODS SPACED 6'-0" APART.

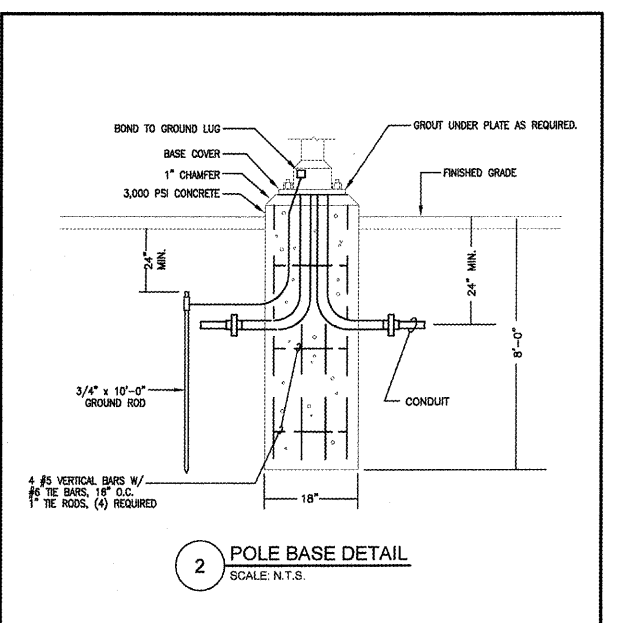
ELECTRICAL LEGEND

	HOMERUN TO PANELBOARD, LETTER INDICATES PANEL DESIGNATION, NUMBER INDICATES CIRCUIT NUMBER, SLASH MARK INDICATES NUMBER OF CONDUCTORS IN SIZE CONDUIT AS REQUIRED BY THE N.E.C. NO SLASH MARK INDICATES 2#12, 1#12G. (1) INDICATES GREEN GROUND CONDUCTOR.
	CONDUIT CONCEALED IN CEILING OR WALL.
	CONDUIT CONCEALED IN SLAB OR BELOW GRADE.
	PANELBOARD, 120/240 VOLT, 1 PHASE, 3 WIRE.
	POLE MOUNTED AREA LIGHT, TYPE INDICATED.
	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER, MOUNT AT 18" AFF UNLESS NOTED OTHERWISE. INDICATES NEMA 3R WEATHERPROOF ENCLOSURE WITH "IN-USE" COVER.

ABBREVIATION LEGEND

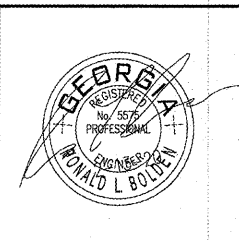
ABBREVIATION	DESCRIPTION
A.F.F.	ABOVE FINISHED FLOOR
C.B.	CIRCUIT BREAKER
EX	EXISTING SERVICE TO BE REMAIN
EXR	EXISTING SERVICE TO BE RELOCATED
G.F.C.I.	GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLE
M.C.B.	MAIN CIRCUIT BREAKER
M.L.O.	MAIN LUGS ONLY
N.F.	NON FUSED
N.T.S.	NOT TO SCALE
W.P.	WEATHER PROOF (NEMA "3R") DEVICE

- ### COMPLETION DOCUMENTS
- DRAWINGS:**
- WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE BY THE CONTRACTOR, 3 COPIES OF RECORD AS-BUILT DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER, INCLUDING THE FOLLOWING:
- A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM.
 - FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
- MANUALS:**
- WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, 3 COPIES OF OPERATING AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER BY THE CONTRACTOR. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:
- SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
 - OPERATIONS MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
 - NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
 - A COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.



Order Plans @

1 ELECTRICAL RISER DIAGRAM
SCALE: N.T.S.



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REVISIONS

NO.	DESCRIPTION

FREEDOM PARK - PHASE 3
MACON-BIBB COUNTY
PARKS & RECREATION

3301 ROFF AVENUE
MACON, GEORGIA 31204

SHEET TITLE

Electrical
Legend, Notes
and Riser Diagram

DATE:	13 FEBRUARY 2020
PROJECT NO:	20/9076
SCALE:	AS NOTED
DRAWN BY:	M.T.F.
CHECKED BY:	J.B.W.

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