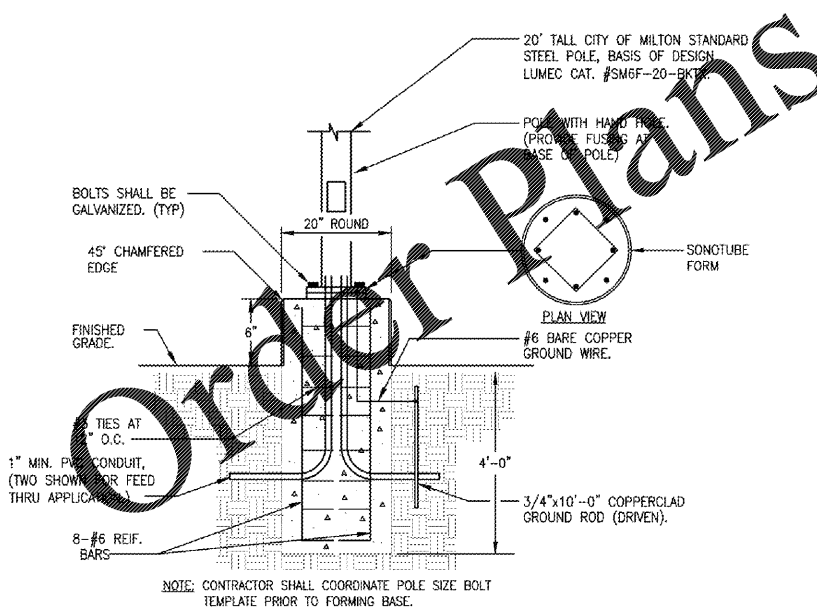
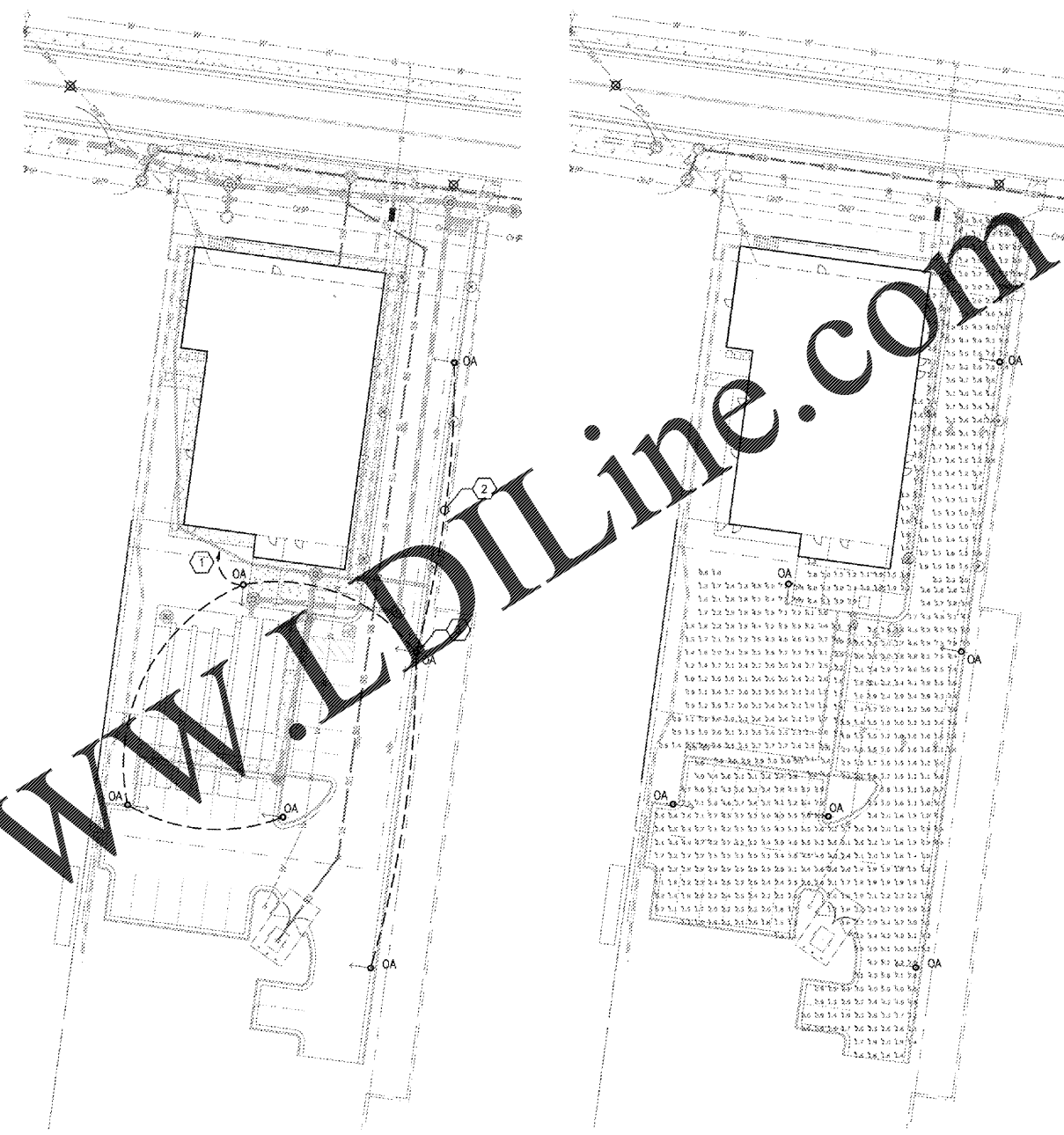


ELECTRICAL SPECIFICATIONS AND NOTES:

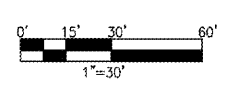
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE (NFPA 70), AS MODIFIED BY THE STATE, COUNTY, CITY AND/OR OTHER LOCAL CODES. THE SERVICE AND METERING SHALL COMPLY WITH THE REQUIREMENTS OF THE ELECTRICAL UTILITY. PRIOR TO DISTURBING THE SOIL, CONTACT THE UNDERGROUND UTILITY LOCATION SERVICE TO LOCATE AND FLAG ALL EXISTING UNDERGROUND PIPING, COMMUNICATION AND ELECTRICAL DISTRIBUTION CABLES/CONDUIT.
- THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO FURNISH A COMPLETE AND OPERABLE ELECTRICAL SYSTEM. ALL WORK SHALL BE PERFORMED IN A NEAT AND PROFESSIONAL MANNER.
- THE CONTRACTOR SHALL VERIFY THE FOLLOWING ITEMS WITH THE OWNER AND REPORT ANY DISCREPANCY TO THE ENGINEER PRIOR TO THE START OF WORK:
 - AVAILABLE VOLTAGE, PHASE, AND CAPACITY.
- THE CONTRACTOR SHALL OBTAIN, PURCHASE, AND MAINTAIN ALL PERMITS, AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES FOR THE DURATION OF THIS PROJECT.
- THE CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS, AND MAKE ALL FINAL CONNECTIONS. THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE OF THE COMPLETED PROJECT.
- ALL WIRING, CONSISTING OF INDIVIDUAL CONDUCTORS, SHALL BE INSTALLED IN CONDUIT, EXCEPT WHERE SPECIFICALLY SHOWN ON THE DRAWINGS. ALL EXTERIOR CONDUITS AND EXPOSED CONDUITS SHALL BE PVC. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A NYLON PULL CORD RATED FOR 200 POUND TENSION. ANY OF THE FOLLOWING TYPES OF RACEWAYS MAY ALSO BE USED, SUBJECT TO THE NEC AND THE ADDITIONAL RESTRICTIONS LISTED, IF ANY.
 - CONCEALED:
 - GRS, OR IMC.
 - PVC. SCHEDULE 40. SCHEDULE 80 WHERE INDICATED ON THE DRAWINGS.
 - EXPOSED:
 - GRS, OR IMC.
 - PVC. SCHEDULE 40. SCHEDULE 80 WHERE INDICATED ON THE DRAWINGS.
 - LIQUIDTIGHT FLEXIBLE METAL CONDUIT, OUTSIDE AND WHERE MOISTURE IS PRESENT.
- PROVIDE SEPARATE GREEN, INSULATED GROUND WIRE IN ALL RACEWAYS.
- ALL WIRING SHALL BE 600 VOLT, COPPER, STRANDED, WITH TYPE XHHW OR THHN/THWN INSULATION. MINIMUM SIZE FOR POWER AND LIGHTING CIRCUITS BE 12 AWG. SIZES 12 AWG AND SMALLER SHALL BE SOLID. PROVIDE AN EQUIPMENT GROUND WIRE IN ALL RACEWAYS, AND CABLE ASSEMBLIES. SIZE EQUIPMENT GROUNDS PER TABLE 250.122 OF THE NATIONAL ELECTRICAL CODE.
- VOLTAGE DROP: THE CONTRACTOR FIELD VERIFY ACTUAL CONDUCTOR LENGTHS FOR FEEDERS AND BRANCH CIRCUITS AND IF NECESSARY ADJUST THE WIRE GAGE SUCH THAT THE VOLTAGE DROP ON FEEDERS DOES NOT EXCEED 2% AND THE VOLTAGE DROP ON BRANCH CIRCUITS DOES NOT EXCEED 3%.
- CONDUCTOR COLOR CODES SHALL MATCH THE FACILITY SPECIFICATIONS.

USE CONDUCTORS #8 AND SMALLER WITH COLOR FACTORY—APPLIED THE ENTIRE LENGTH OF THE CONDUCTORS. COLOR CODING FOR THE LARGER SIZES MAY BE ACCOMPLISHED BY USING COLORED, 1 INCH WIDE, PRESSURE-SENSITIVE PLASTIC TAPE IN HALF-LAPPED TURN FOR A DISTANCE OF 6 INCHES FROM TERMINAL POINTS. APPLY THE LAST TWO LAPS OF TAPE WITH NO TENSION TO PREVENT POSSIBLE UNWINDING.
- RECORDS AND SUBMITTALS: PROVIDE THE OWNER A MINIMUM OF THREE COPIES OF SHOP DRAWINGS WITH TECHNICAL DATA HIGH-LIGHTED, INDICATING THAT IT MEETS THE REQUIREMENTS FOR ELECTRICAL EQUIPMENT INSTALLED ON THIS PROJECT. SHOP DRAWINGS ARE REQUIRED FOR: PANELBOARDS, SAFETY SWITCHES, LUMINAIRES, EMERGENCY LIGHTING EQUIPMENT, RACEWAYS, CONDUCTORS, LIGHTING CONTROLS AND WIRING DEVICES.
- SUBSTITUTIONS: ALL COSTS INCURRED BY THE ACCEPTANCE OF SUBSTITUTIONS SHALL BE BORNE BY THE CONTRACTOR. THE ONUS SHALL BE ON THE CONTRACTOR TO PROVE THAT THE SUBSTITUTIONS ARE EQUAL TO THE BASIS OF DESIGN SPECIFIED.
- MAINTAIN AS-BUILT DRAWINGS, UPDATED DAILY DURING CONSTRUCTION, AND PRESENT TO OWNER, WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, WITH TWO SETS OF AS-BUILT DRAWINGS. PROVIDE THE OWNER'S PERSONNEL WITH ON-SITE INSTRUCTION IN THE OPERATION AND MAINTENANCE OF THE COMPLETED ELECTRICAL SYSTEM PRIOR TO SYSTEM ACCEPTANCE.

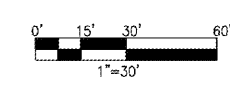


TYPICAL POLE BASE DETAIL
NOT TO SCALE

SITE PLAN - LIGHTING
SCALE: 1" = 30'



SITE PLAN - PHOTOMETRIC
SCALE: 1" = 30'



GENERAL NOTES:

- ALL LUMINAIRES SHALL BE MOUNTED 20'-0" ABOVE FINISHED GRADE TO THE BOTTOM FIXTURE.
- PROPOSED UNDER GROUND UTILITIES ARE PROVIDED FOR INFORMATION. COORDINATE w/ THE SITE WORK CONTRACTOR FOR THE FINAL LOCATIONS OF THE UNDERGROUND UTILITIES PRIOR TO SETTING LIGHT POLES & ROUTING CONDUIT FOR THE FIXTURES.

KEYED NOTES:

- PROVIDE POWER TO POLE LIGHTS FROM A 20A/1P BREAKER IN THE BUILDING ROUTED THROUGH THE LIGHTING CONTROLS.
- CIRCUIT POLE LIGHTS w/ 2#10, 1#10G, 1" SCH 80 PVC CONDUIT.
- SEE DETAIL THIS SHEET FOR POLE BASE REQUIREMENTS.

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
DRIVE	Illuminance	Fc	2.44	7.8	0.6	4.07	13.00
PARKING	Illuminance	Fc	3.07	8.4	0.6	5.12	14.00
PRESCHOOL PLAYGROUND AREA	Illuminance	Fc	2.79	7.9	0.6	4.65	13.17
WALKWAY	Illuminance	Fc	2.35	7.7	0.9	2.61	8.56

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	Lum. Watts	Lum. Lumens	LLF	Description
○	6	TYPE "OA"	SINGLE	N.A.	145	14,134	0.880	DM55x-145W64LED4K-T-LE3S

ENGINEER

FORESITE group

Foresite Group, Inc. | www.fg-inc.net
3740 Davinci Ct. | 770.368.1399
Suite 100 | 770.368.1944
Peachtree Corners, GA 30092

DEVELOPER:

JAI RADHE KRISHNA ENTERPRISES, LLC
568 PEACHTREE PARKWAY
CUMMING, GA 30041

CONTACT: RUPESH MANJUGULA

PROJECT:

DAY CARE FACILITY - WEBB ROAD

2865 WEBB ROAD
MILTON, GA 30004
L.L. 1048, 2ND DISTRICT, 2ND SECTION
PARCEL # 22 527010482814, FULTON CO PERMIT # 20-050WPR

SEAL:

REVISIONS	DATE

PROJECT MANAGER: JMJ
DRAWING BY: JMJ
JURISDICTION: MILTON, GA
DATE: DATE
SCALE: 1" = 30'
TITLE: **SITE PLAN - LIGHTING**

SHEET NUMBER: **ESP1**

COMMENTS:

JOB/FILE NUMBER: