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GENERAL ELECTRICAL NOTES:

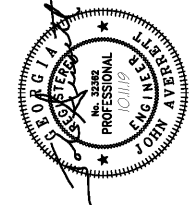
- ALL ELECTRICAL WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE N.E.C. AND THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
- WIRING SYSTEMS SHALL CONSIST OF COPPER WIRING INSTALLED IN CONDUIT, MINIMUM WIRE SIZE SHALL BE #12AWG, MINIMUM CONDUIT SIZE SHALL BE 3/4".
- CONDUIT ABOVE CEILINGS, IN WALLS, ETC. SHALL BE EMT, WHERE NOT SUBJECT TO MOISTURE OR DAMAGE. WHERE SUBJECT TO DAMAGE, OUTSIDE BUILDING SHALL BE GALVANIZED RIGID CONDUIT. CONDUITS (ALL SIZES) ROUTED EXPOSED SHALL BE GALVANIZED RIGID CONDUIT. CONDUITS SHALL BE SIZED IN ACCORDANCE WITH TABLE 1, CHAPTER NINE OF N.E.C.
- CONDUCTORS SHALL BE 99% COPPER (NO ALUMINUM CONDUCTORS WILL BE ACCEPTED).
- EQUIPMENT GROUNDING SHALL BE IN ACCORDANCE WITH N.E.C.
- ALL ELECTRICAL EQUIPMENT SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.
- ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCES AND CONFLICTS. REFER TO THE DRAWINGS OF THE RESPECTIVE SYSTEMS PRIOR TO SUBMISSION OF BIDS FOR ADDITIONAL WORK WHICH MAY BE REQUIRED AS PART OF THIS WORK. NO ALLOWANCES WILL BE MADE FOR THE LACK OF COORDINATION BETWEEN DISCIPLINES OR SYSTEMS AND EQUIPMENT.
- THE WORK SHALL BE COORDINATED WITH THE ENGINEERING DOCUMENTS FOR THE EXACT LOCATION OF LIGHT FIXTURES, EQUIPMENT, DEVICES, ETC. TO ASSURE PROPER PLACEMENT OF SAID DEVICES AND EQUIPMENT. WHERE A CONFLICT EXISTS BETWEEN ANY TWO DOCUMENTS, NOTIFY THE ENGINEER PRIOR TO ANY INSTALLATION FOR RESOLUTION.
- THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT BEING INSTALLED PRIOR TO INSTALLATION TO ASSURE THAT THE FEEDER, DISCONNECT, STARTER, OVER CURRENT PROTECTION, ETC. MATCHES THE ACTUAL NAMEPLATE DATA AS SUPPLIED BY THE MANUFACTURER.
- SPECIFIC REQUIREMENTS REGARDING MATERIALS, WORKMANSHIP, AND THE WORK TO BE DONE ARE COVERED BY THE SPECIFICATIONS WHICH COMPLEMENT THE PLANS. WORK CALLED FOR BY THE SPECIFICATIONS OR THE PLANS IS REQUIRED THE SAME AS IF REQUIRED BY BOTH. WHERE A CONFLICT EXISTS BETWEEN THE PLANS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS OF THE TWO SHALL APPLY.
- REFER TO EQUIPMENT CUT SHEETS AND MANUFACTURER'S DATA FOR TROUGH IN LOCATIONS OF ELECTRICAL CONNECTIONS AND INTERCONNECTIONS OF ALL EQUIPMENT.
- INSTALL OVER CURRENT PROTECTION AND BRANCH CIRCUIT WIRING PER U.L. LISTING REQUIREMENTS FOR EQUIPMENT SERVED - REFER TO NAMEPLATE DATA.
- PROVIDE START-UP ASSISTANCE TO OWNER PERSONNEL AND EQUIPMENT TECHNICIANS TO CONFIRM CORRECT PHASE ROTATION, PROPER OPERATION & SEQUENCE, AND CONTROLS.
- ELECTRICAL CONTRACTOR TO FIELD MARK ELECTRICAL SERVICE EQUIPMENT WITH A CONSPICUOUS AND PERMANENT LABEL THAT INDICATES THE AVAILABLE FAULT CURRENT PER NEC 110.16 & 110.24.
- ELECTRICAL CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF ANY EXCAVATION.
- ELECTRICAL EQUIPMENT SHALL BE FULLY RATED FOR THE FAULT CURRENT INDICATED ON THE PLANS. NO SERIES RATING WILL BE ACCEPTED.
- SUBSURFACE CONDUIT SHALL BE SCHEDULE 40PVC UNO. VERTICAL TUBING SHALL BE GRC SWEEP 90S WITH A BITUMASTIC COATING UNO.
- ALL EMPTY CONDUITS SHALL HAVE A 200 LBS NYLON PULL STRIP AND BE CAPPED AT BOTH ENDS. ALL CONDUITS SHALL BE ADEQUATELY SEALED TO PREVENT ENTRY OF RODENTS, WATER, AND OTHER FOREIGN MATTER. TAPE IS NOT AN ACCEPTABLE MEANS OF CAPPING.
- IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VISIT THE SITE AND TO BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO BID DATE AS HE SHALL BE RESPONSIBLE FOR THE SAME.
- ELECTRICAL CONTRACTOR WILL PROVIDE ALL MATERIAL TO FINALIZE A NEAT, COMPLETE, AND PROPERLY WORKING ELECTRICAL SYSTEM WHICH CONFORMS TO ALL LOCAL CODES AND THE NATIONAL ELECTRICAL CODE (N.E.C.), PLANS, AND SPECIFICATIONS.
- CONTRACTOR SHALL REPAIR ANY DISTURBED AREA TO SAME COMPACTION, GRADE, SLOPE, ETC. AS ORIGINAL AREA INCLUDING REPLACEMENT OF SOD, GRASS, ROCK, GRAVEL, RIP-RAP, ETC. TO THE SATISFACTION OF THE OWNER AND ENGINEER.
- SCOPE ALL AREAS AROUND CONCRETE PADS TO PREVENT WATER PONDING.
- CLEAN UP ALL DEBRIS AROUND CONSTRUCTION SITE DAILY.
- REMOVE ANY SPILLED DIRT, CONCRETE, ETC. FROM ANY DRIVEWAYS, ROADWAYS OR CONSTRUCTION SITE AS DIRECTED BY OWNER OR ENGINEER.
- CONTRACTOR SHALL CUT AND PATCH ALL CONCRETE TO MATCH EXISTING WHERE REQUIRED TO INSTALL UNDERGROUND CONDUIT.

| LEGEND | |
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| FLOAT SWITCH | |
| LEVEL TRANSDUCER. | |
| MOTOR - HORSEPOWER AS INDICATED | |
| CONDUIT OR RACEWAY UNDERGROUND OR CONCEALED IN FLOOR SLAB. | |
| ABOVE GROUND CONDUIT. | |
| FLEX CONDUIT. | |
| SURGE PROTECTIVE DEVICE. SEE SPECIFICATION 16289 FOR DETAILS. | |
| LIGHTNING ARRESTOR. SEE SPECIFICATION 16288 FOR DETAILS. | |
| SEE LUMINAIRE FIXTURE SCHEDULE. FURNISH AND INSTALL WEATHER PROOF SWITCH AT BOTTOM OF POLE TO CONTROL FIXTURE. | |
| WALL SWITCH SPST 48" AFF TO CENTER UNO 20A 120/277V. WEATHER PROOF. | |

| ABBREVIATIONS | | | | | |
|---------------|-------------------------------------|--------------|---|--------------|----------------------------|
| ABBREVIATION | DESCRIPTION | ABBREVIATION | DESCRIPTION | ABBREVIATION | DESCRIPTION |
| | AMPERES | FIX | FIXTURE | P | POLE |
| AC | AIR CONDITIONING | FLUOR. | FLUORESCENT | PC | PHOTO CELL |
| ACT | ABOVE COUNTER TOP | GFI | GROUND FAULT INTERRUPTER | PMS | PROPERTY MANAGEMENT SYSTEM |
| AFF | ABOVE FINISHED FLOOR | GRC | GALVANIZED RIGID STEEL CONDUIT | PNL | PANEL |
| AIC | AMPERES INTERRUPTING CAPACITY (MIN) | GRND, G | GROUND | PVC | POLYVINYL CHLORIDE |
| APPROX. | APPROXIMATELY | HP | HORSEPOWER | RS | RAPID START |
| AWG | AMERICAN WIRE GAUGE | IAW | IN ACCORDANCE WITH | RSC | RIGID STEEL CONDUIT |
| ANN | ANNUNCIATOR | IF | INSIDE FROST | SD | SMOKE DETECTOR |
| BLDG | BUILDING | IG | ISOLATED GROUND | SIM | SIMILAR |
| BPS | BOLTED PRESSURE SWITCH | INCAN | INCANDESCENT | S/S | STAINLESS STEEL |
| C | CONDUIT | J | JUNCTION | SPST | SINGLE POLE SINGLE THROW |
| CAT | CATALOG | KVA | KILO-VOLT-AMPERE | T | TRANSFORMER |
| CATV | CABLE TELEVISION | KW | KILOWATT | TC | TRAY CABLE |
| CKT | CIRCUIT | LAHJ | LOCAL AUTHORITY HAVING JURISDICTION | TBB | TELEPHONE BACKBOARD |
| CONT | CONTINUATION | LGT | LIGHT | TEL | TELEPHONE |
| CR | CARD READER | M | METER | TM | TV MONITOR |
| DD | DUCT DETECTOR | MAT | MASTER ANTENNA TELEVISION | TYP | TYPICAL |
| DIA | DIAMETER | MAX | MAXIMUM | UNO | UNLESS OTHERWISE NOTED |
| DIM | DIMENSION | MCM | THOUSAND CIRCULAR MILS | V | VOLT |
| DP | DISTRIBUTION PANEL | MDP | MAIN DISTRIBUTION PANEL | W | WIRE |
| DWG | DRAWINGS | MIN | MINIMUM | WP | WEATHERPROOF |
| EA | EACH | MLO | MAIN LUGS ONLY | WW | WARM WHITE |
| EC | EMPTY CONDUIT | MPC | MAIN POWER CENTER | XFMR | TRANSFORMER |
| ELEC | ELECTRICAL | MTD, MTG | MOUNT (ED), (ING) | PDC | POWER DISTRIBUTION PANEL |
| EMER | EMERGENCY | N | NORTH | E.W. | EACH WAY |
| EMT | ELECTRICAL METALLIC TUBING | NEC | NATIONAL ELECTRIC CODE | | |
| EOL | END OF LINE RESISTOR | NIC | NOT IN CONTRACT | | |
| EQUIP | EQUIPMENT | NO | NUMBER | | |
| F | FUSED | NTS | NOT TO SCALE | | |
| FA | FIRE ALARM | OC | ON CENTER | | |
| FIN | FINISH | OSHA | OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION | | |

Order Plans

NORTHGATE HIGH SCHOOL
SANITARY SEWER
COWETA COUNTY WATER AND
SEWERAGE AUTHORITY



ELECTRICAL NOTES,
ABBREVIATIONS,
& LEGEND

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