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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	
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

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NORTHGATE HIGH SCHOOL  
SANITARY SEWER  
COWETA COUNTY WATER AND  
SEWERAGE AUTHORITY

**ELECTRICAL NOTES, ABBREVIATIONS, & LEGEND**

**E.201**  
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