

ELECTRICAL SPECIFICATIONS

DIVISION 26 ELECTRICAL SECTION A: GENERAL ELECTRICAL REQUIREMENTS 1. THESE PLANS AND SPECIFICATIONS APPLY TO PEACH STATE CONSTRUCTION COMPANY, COVINGTON, GEORGIA...

SECTION B: BASIC MATERIALS 1. ALL CONDUCTORS USED FOR 600 VOLTS OR LESS SHALL BE HIGH GRADE COPPER CONDUCTORS WITH 75 DEGREE C, THHN OR THWN THERMOPLASTIC INSULATION...

SECTION C: DISTRIBUTION EQUIPMENT 1. CONTRACTOR SHALL PROVIDE CONDUCTORS AND CONDUIT FOR ALL FEEDERS IN ACCORDANCE WITH THE PLANS. 2. SEPARATELY MOUNTED CIRCUIT BREAKERS SHALL BE MOUNTED IN NEMA TYPE I ENCLOSURES...

SECTION D: LIGHTING 1. TYPES AND SPECIFIC REQUIREMENTS ARE PROVIDED ON THE LIGHTING FIXTURE SCHEDULE ON THE PLANS. ALL LIGHT FIXTURES SHALL BE PROVIDED WITH LAMPS, DRIVERS, BALLASTS, AND FULLY FUNCTIONING AT COMPLETION OF PROJECT.

SECTION E: FIRE ALARM SYSTEM 1. ACCEPTABLE MANUFACTURERS: NOTIFIER, FIRE LITE, EDWARDS, OR SILENT KNIGHT. 2. PROVIDE A COMPLETE OPERABLE FIRE ALARM SYSTEM FOR THIS PROJECT. THE MAIN PANEL SHALL BE LOCATED AS SHOWN...

12. PROVIDE REMOTE ANNUNCIATOR PANEL AS SHOWN ON PLANS. THE ANNUNCIATOR PANEL SHALL BE PROVIDED WITH AN LCD DISPLAY AND COMPLETE CONTROL PUSH BUTTONS INCLUDING, BUT NOT LIMITED TO, ALARM ACKNOWLEDGE, ALARM SILENCE, RESET, ETC.

DIVISION 27 TELE / DATA NETWORK SECTION F: CONDUIT AND OUTLET SYSTEM FOR TELE / DATA NETWORK

1. PROVIDE A COMPLETE SYSTEM OF CONDUITS AND OUTLET BOXES FOR SYSTEMS AS REQUIRED. EACH OUTLET SHALL HAVE A CONDUIT ROUTED FROM THE FLUSHED RECESSED OUTLET BOX UP TO THE ACCESSIBLE CEILING SPACE ABOVE...

SECTION G: TELE / DATA NETWORK 1. GENERAL: THE CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE TELE / DATA NETWORK AS FOLLOWS AND AS SHOWN ON PLANS. TELE / DATA NETWORK IS TO INCLUDE BUT NOT BE LIMITED TO THE INSTALLATION OF A PLYWOOD BACKBOARD...

2. TESTING AND CERTIFICATIONS: a. COPPER CABLE SYSTEMS: ALL DATA AND VOICE TERMINATIONS SHALL BE TESTED AND CONFORM TO TIA/EIA-568 C.2 FOR STANDARD. TESTING SHALL BE ACCOMPLISHED USING A POE (CLASS 1-8) CABLE + NETWORK SCANNER...

8. RACK AND CABINET: a. WALL MOUNT DATA CABINET: PROVIDE AND INSTALL A WALL MOUNT SWING GATE TYPE ENCLOSED LOCKABLE CABINET WITH CLEAR PLEXI FRONT DOOR INSERT, HAVING FRONT AND REAR HINGES TO ALLOW FRONT OR REAR ACCESS TO CONNECTIONS...

9. ENHANCED CATEGORY 6 (6E) CABLE AND CONNECTORS: a. CAT 6E CABLE: PROVIDE AND INSTALL PREMIUM / ENHANCED CATEGORY 6 (6E) DATA CABLE AND CONNECTORS AT LOCATIONS AND QUANTITIES SHOWN OR NOTED ON THE PLANS...

10. PATCH PANEL AND WIRE MANAGEMENT: a. FOR WALL MOUNT DATA CABINET, PROVIDE MODULAR PATCH PANELS THAT ARE COMPATIBLE WITH CONNECTOR MODULES SPECIFIED. PATCH PANELS ARE TO BE STANDARD 16" WIDTH, TYPICAL 14" MOUNTING HEIGHT...

11. FACEPLATES: FOR WORK AREA OUTLETS, PROVIDE MODULAR FACEPLATES THAT ALLOW INSTALLATION OF AND ARE FULLY COMPATIBLE WITH THE MODULAR CONNECTORS SPECIFIED ABOVE. PROVIDE PLATES OF THE SAME MATERIAL AS DUPLEX OR SWITCH PLATES...

15. GROUNDING: PROVIDE A TELECOM GROUND BAR, 1/4" X 2" X 15" COPPER GROUND BAR MEETING REQUIREMENTS OF TIA-607-C/D AND NEMA STANDARDS. PROVIDE WITH UNIVERSAL HOLE PATTERN OF 5/16" AND 7/16" HOLES PRE-DRILLED...

16. LABELING: ALL CABLEING, CORDS, PORTS AND EQUIPMENT SHALL BE LABELED PER THE ANSITIA-606-D ADMINISTRATION STANDARDS FOR TELECOMMUNICATIONS INFRASTRUCTURE STANDARD. LABELS ARE TO BE PERMANENT TYPE AFFIXED FOR EASE VISIBILITY...

17. MANUFACTURERS: ENHANCED CATEGORY 6 (6E) CABLEING AND CONNECTORS FOR HORIZONTAL STATION OUTLET SERVICE ARE TO BE PROVIDED, TESTED AND WARRANTED AS A COMBINED END TO END SYSTEM. PROVIDE ALL CABLE AND CONNECTORS BY ONE COMMON MANUFACTURER...

Table with columns: PROJECT NUMBER: 25-038, ISSUE, REVISIONS (NO., DATE), and a grid for tracking changes.

