

ADDENDUM No. 2

Project Name: **CLARENDON COUNTY EMERGENCY MANAGEMENT & 911 COMMUNICATIONS DISPATCH CENTER**

Date: June 02, 2025

From: Caplea Coe Architects, Inc.
1643 Means Street
Charleston, SC 29412
843.577.6073

To: **All Plan Holders**

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents (Drawings and Project Manual dated May 01, 2025) & Addendum #01 (dated May 21, 2025). Only the information contained in this Addendum shall be considered as a part of the Bid Documents. This Addendum consists of 3 pages and 18 pages of attachments for a total of 21 pages.

I. GENERAL

1. Refer to the owner's (Clarendon County Procurement) website and BidNet documents for an updated Geotechnical Report on the project site, dated May 27, 2025, 39 pages.

II. PROJECT MANUAL

1. Specification Section 001116 Invitation to Bid:
 - a. Item 1.2.A.1 – Change Bid Date from “June 19, 2025” to read as follows, “Bid Date: June 20, 2025.”
 - b. Other contingent dates are to be adjusted accordingly:
 - i. Last day for bidder questions: June 6, 2025
 - ii. Last day to issue Addenda: June 13, 2025
1. Specification Section 004113 Bid Form-
 - a. Change item 1.4.E to read, “...within 60 days....”
 - b. Change item 1.4.G to read, “Alternate No. 1 – Back-lit building signage as per Bid Alternate drawing on sheet A202.”
2. Specification Section 011000 Summary:
 - a. Item 1.9.E.1, change to read, “Smoking is allowed in a designated area of the new parking lot as determined by the Contractor. See item 3.3.C of specification section 015000.”
 - b. Delete Smoking Location Map at the end of this section
3. Specification Section 012100 Allowances –
 - a. ADD Paragraph 3.3.D: “Allowance No. 4: Lump-Sum Allowance: Include the sum of \$4,000.00 for Room Identification Signage. Contractor overhead & profit shall be included in the Contract Amount.”
4. Specification Section 012300 Alternates- Add this section in its entirety. (See Attachment A.). Add to the Table of Contents.
5. Specification Section 015000 Temporary Facilities and Controls –
 - a. Item 3.3.A:
 - i. Subitem 3.3.A.1: Change “HGTC” to “Clarendon County”
 - ii. Add subitem 3.3.A.3 as follows, “Within 10 days after NTP the Contractor shall provide the Owner and Architect with a “Site Logistics Plan” which shall include but not be limited to:
 1. Designated smoking area
 2. Waste disposal facility locations
 3. Field Office location
 4. Materials laydown area

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5. Construction signage
6. Temporary construction fencing
7. Delivery routes and site circulation for vehicles and deliveries
- b. Item 3.3.B.1, add the following sentence, "Refer to item 3.3.C for contractor parking requirements for parking along Capital Way"
- c. Item 3.3.C: change to read as follows, "Contractor shall be allowed to park within the limits of construction and along areas on project-side of Capital Way. At completion of the project shoulder of Capital Way shall be brought to "pre-project conditions. The Contractor shall ensure Capital Way entrance to secured parking behind the Law Enforcement Center is not blocked. Any road closure or delivery that is required to impede entry to the secured parking behind the LEC or which will impact emergency vehicles shall be coordinated with the Owner at least 72 hours in advance."
- d. Item 3.3.D: change "offsite" to "onsite".
- e. Item 3.3.K.1, change to read, "Smoking within the area of the new building is not permitted. The Contractor shall establish a designated smoking area within the confines of the new parking lot."
6. Specification Section 096513 Resilient Base & Accessories
 - a. Item 2.1.D. – REMOVE in its entirety and REPLACE with the following:
"Height: 4 inches"
7. Specification Section 096900 Access Flooring: Item 2.2.A – REMOVE in its entirety and REPLACE with the following:
 - "A. General: Provide bare panels without wear-surface covering except Server 112, which are to be factory applied High Pressure Laminate (HPL).
 1. HPL: For bidding purposes assume ASM High Pressure Laminate (HPL, color 507 "Folkstone Grafix". Final color to be selected during the submittal and shop drawing review process."
8. Specification Section 282000 Closed Circuit Television / Video Surveillance System – Replace spec section in its entirety. Updates info on required VMS Software. (See Attachment B)

III. DRAWINGS

1. Sheet G100 Title Sheet: Replace existing sheet in its entirety with attached G100, labeled Addendum 2 in the revision box. (See attachment C).
2. Sheet A202 – Exterior Elevations: Replace existing sheet in its entirety with attached A202, labeled Addendum 2 in the revision box. (See Attachment D).
3. Sheet C100 – Existing Conditions & Demolition Plan: Coded Demolition Note #4- REMOVE & REPLACE in its entirety with the following:
 - a. "PORTION OF EXISTING SECURITY FENCE TO BE REMOVED AT COMPLETION OF THE PROJECT. THE EXISTING FENCE SHALL REMAIN UNTIL PROPOSED FENCING IS IN PLACE TO MAINTAIN SECURE PERIMETER BEHIND THE EXISTING LAW ENFORCEMENT CENTER. SEE SITE PLAN FOR LIMITS."
4. Sheet A101 – First Floor Plan: Door 130A to shift south to allow for 12" clearance between the northern opening edge and the adjacent wall.

IV. BIDDERS QUESTIONS:

- Q. Request for clarification of wall tile base
 A. Wall tile is to continue to the floor- there is no wall base.
- Q. Do all exterior doors & windows require ballistic ratings
 A. Yes

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IV. ATTACHMENTS:

- A. Specification Section 012300 Alternates 8 ½" x 11", 2 pages.
- B. Specification Section 282000 Closed Circuit Television / Video Surveillance System 8 ½" x 11", 14 pages.
- C. Sheet G100 – Title Sheet, 30" x 42", 1 page.
- D. Sheet A202 – Exterior Elevations, 30" x 42", 1 page.

All other terms and conditions remain unchanged.

Continue to direct all questions in writing to: project@clarendoncountygov.org

DEADLINE TO SUBMIT RESPONSES: REMAINS UNCHANGED

SUBMIT TO:

Jeffrey A Hyde, CPPB, NIGP-CPP
Clarendon County Procurement Director
3 South Church Street
Manning, SC 29102
Phone (803) 433-3240

END OF ADDENDUM

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SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
- 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include, as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation, whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other Work of the Contract.
- C. Schedule: A Part 3 "Schedule of Alternates" Article is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

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PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Base Bid: Shall be all work as indicated on Drawings for site clearing and grading, construction of the new building, and associated site improvements as indicated on drawings.
- B. Alternate No. 1: in lieu of non-illuminated building signage provide back-lit sign as shown sheet A202 – EXTERIOR ELEVATIONS of the drawings.

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SECTION 282000 CLOSED CIRCUIT TELEVISION/VIDEO SURVEILLANCE SYSTEM

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. The scope of work shall include furnishing all labor, all security video cameras, pan/tilt/zoom (PTZ) cameras, mounts, housings, power supply systems, connectors, monitors and consoles, workstations, network storage managers, video encoders, video decoders, video console displays and keyboards, all other hardware and software and documentation required to provide a completely operational and working Closed Circuit Television (CCTV) System.
- B. All materials for the structured cabling system (4-pair UTP cables, fiber optic cables and 24-AWG multi-pair (25 pairs or higher)) components required for the video surveillance system shall be in compliance with specification Section 271000.
- C. The following parts of the system are not part of this contract:
 - 1. All networking equipment (switches, routers, etc) for the operation of the system
 - 2. Software licenses for the video surveillance system beyond the 12 months included in this contract.

1.2 RELATED DOCUMENTS

- A. General Terms and Conditions of the Contract Documents
 - 1. Division 16 – Electrical
- B. Supplemental: Refer to the specification sections identified below for additional requirements, which are supplemented by this section.
 - 1. 270010 Technology General Provisions
 - 2. 270528 Raceways for Technology
 - 3. 271000 Structured Cabling System
 - 4. 270526 Ground and Bonding for Communications Systems
 - 5. 281000 Electronic Security System

1.3 CCTV INSTALLER QUALIFICATIONS

- A. The Video Surveillance or CCTV installer (CI) selected for this project must be a direct representative of the products they intent to provide. All technicians assigned to install and configure this system shall be factory trained. This company must be of established reputation and experience, regularly engaged in the supply and support of such systems for a period of at least five consecutive years under the current company name.
- B. Other required CI qualifications are:

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1. The CI shall agree, in writing, as part of their proposal, to provide both warranty and non-warranty service within 4 hours of notification of a problem. The CI shall be able to perform any and all repairs to the system within 24 hours.
2. The CI, as a minimum, must carry a current state issued limited energy license.
3. The CI shall have staff trained in programming the CCTV system as described in this specification. The CI shall submit as part of the qualifications required, the resume of the programmers for the CCTV system as well as the training certificates for this staff from the manufacturer of the system.

1.4 MATERIALS ALTERNATES AND SUBSTITUTION

- A. General: See details for alternates and substitution in specification section 270010
- B. Cameras can be substituted as long as they have the same performance specification as the cameras used as basis of design and as long as they are supported by the DVMS. It is the responsibility of the CI to verify and assure the cameras proposed as substitution are supported by the DVMS. Any cost associated with certifying a proposed camera to the DVMS to be used in this project shall be covered by the CI.

1.5 SHOP DRAWINGS AND SUBMITTALS

- A. The CI shall follow all requirements for shop drawings indicated in specification section 270010
- B. The submittal process for this scope of work will be a two stage process. The first stage is the product/installer approval. Within 60 business days of receiving contract approval and notice to proceed, the following items shall be submitted to the Architect and Engineer (A&E) of the project for review, as part of the product/installer approval process.
 1. Proof of Installer qualifications, addressing all requirements of paragraph 1.3 of this specification.
 2. Product numbers, specifications, and data sheets for all equipment.
 3. Data sheets and samples of all labeling materials and equipment to be used in the project.
 4. A complete explanation of the identification method to be used for all equipment and cabling part of the CCTV system.
 5. Data sheets of all termination blocks and mounting accessories to be used in the project. A paragraph shall be added before each data sheet indicating the intended use of each type of termination block.
 6. Detailed drawings of all custom products to be used in the project.
 7. Data sheets for all wire and cable to be used as part of this system. A paragraph shall be added before each data sheet indicating the intended use (to connect what type of devices) of each cable.
- C. The second stage of the submittal process is the shop drawing process. Shop drawings shall only be submitted after all portions of the product/installer approval have been accepted by the A&E. The following information is required as part of the shop drawings:

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1. Floor plans indication all devices to be provided and all cable runs to all devices or junction boxes. All cameras shall indicate the camera number in the system and the type of camera and mounting.
2. Point to point wiring diagrams indicating all termination points for each conductor and for each device, cable types and color coding of each termination. These diagrams shall be submitted for each camera type.
3. Storage calculation. The CI shall provide a spreadsheet with all the cameras in the project and the proposed recording frame rates, resolutions, activity percentages and times of recording with the total number of storage bytes per camera and a total for the system. The total storage capacity shall be indicated in Terabytes.
4. Bandwidth calculation. If the CI is not responsible for the networking equipment, the CI shall provide a bandwidth calculation. This calculation shall be presented in the form of a spreadsheet using MBPS as the units listing all cameras in the project. The spreadsheet shall have subtotals per network region associated with a storage area.
5. Completely fill out network configuration template provided by TLC Engineering upon request, to explain all network devices to be used in a project and to get IP addresses from the network administrator.
6. Video recording server assignment. A list of all the video servers to be provided in the project with a list of all cameras assigned to each server. Each server shall have a total bit rate estimated for all the cameras recorded showing that the capacity requirements of the server comply with the requirements in this specification.
7. Panel schedules in a table format, indicating all ports being used and what device is connected to each port. Panel schedules shall be submitted for all camera power supply, multiport encoder/decoders, computer monitor outputs, fiber optics distribution frames, Ethernet switches, patch panels, termination blocks, etc.
8. Overall system diagrams indicating all head end components, their room location, and all configuration characteristics like IP addresses, serial ports used, etc.
9. A field of view study. This field of view is a collection of still pictures with the precise field of view for each camera to be installed in the project. The field of view shall be the same coverage as the camera specified and will be used to verify installation of the cameras and during acceptance test.
10. Outline of the testing process.

1.6 ABBREVIATIONS

- A. The following abbreviations are used in this document:
1. API - Application Programming Interface
 2. ASCII - American Standard Code for Information Interchange
 3. BPS - Bits Per Second
 4. CIF - Common Intermediate Format (352 X 240)
 5. 2CIF - Common Intermediate Format (704 X 240)
 6. 4CIF - Common Intermediate Format (704 X 480)
 7. DVI - Digital Visual Interface
 8. FCC - Federal Communications Commission
 9. GUI - Graphical User Interface

10. HDMI - High Definition Multimedia Interface
11. ID - Identification
12. I/O - Input /Output
13. IPS - Images Per Second
14. MBPS - Mega Bits per Second
15. NTP - Network Time Protocol
16. NTSC - National Television Standard Committee
17. ODBC - Open Database Connectivity
18. ONVIF - Open Network Video Interface Forum
19. O&M - Operations and Maintenance
20. PAL - Phase Alternating Line
21. PIN - Personal Identification Number
22. PTZ - Pan/Tilt/Zoom
23. RAID - Redundant Array of Independent Disks
24. RoHS - Restriction of Hazardous Substances Directive
25. SDRAM - Synchronized Dynamic Random Access Memory
26. STP - Shielded Twisted Pair
27. TCP/IP - Transmission Control Protocol/Internet Protocol
28. UL - Underwriters Laboratories, Inc.
29. UPS - Uninterrupted Power Supply
30. USB - Universal Serial Bus
31. UTP - Unshielded Twisted Pair
32. VOC - Volatile Organic Compounds

1.7 SYSTEM DESCRIPTION

- A. The CCTV system shall be a TCP/IP network-based, fully distributed digital video system. The CCTV system will utilize local area networks (LAN) as a transmission medium for video, configuration, as well as storage of all data. The CCTV system shall provide full video control at the management point indicated in the design drawings, with additional full selection capability at any point within the network from a workstation or a video console display. The CCTV system shall provide unlimited expansion capability for the addition or modification of any video device or computer workstation.
- B. The CCTV system shall permit normal and event monitoring of all secured areas on digital monitors as required or shown in the specifications and drawings. In all cases, the equipment shall be state of the art, standardized commercial off-the-shelf, and modular. In all cases, the method of communication from remote locations within the network to the central components shall be transparent to the user. Equipment shall be selected and installed so repairs may be accomplished on site by module replacement, utilizing spare components whenever possible.
- C. The intent of this specification is to provide the owner with a distributed networked digital security system. Supplied by the CI, the CCTV system shall be complete and operational per the performance requirements and objectives of these specifications. The CI shall be responsible for the coordination of related work with other trades affecting his/her work or the work of others.

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- D. The CCTV System shall be fully integrated with other security components such as access control, alarm monitoring and intercom communications. The system shall be fully integrated with the access control application to allow events to be directly linked to the CCTV surveillance recording system. See specification section 281000 for details of the integration scope of work and the performance required.
- E. All cameras shall be connected and controlled through a CCTV workstation utilizing a standard mouse and keyboard.

PART 2 - PRODUCTS

2.1 DIGITAL VIDEO MANAGEMENT SYSTEM

- A. The digital video management system shall be composed of off the shelf management servers, storage system and the DVMS Software. The recording system shall be based on a unified NVR composed of a complete server, storage array, storage drives and expansion modules as required.
- B. The DVMS recording servers shall process all video streams for recording, live viewing, and playback for the cameras assigned to that recorder. Servers shall be provided in quantities as to not any single server being used at more than 75% of the maximum bit rate capacity of the server. Quantities of servers indicated in the drawings are preliminary and the CI shall provide calculations to the A&E of the final quantity of servers to be provided.
- C. The SAN storage arrays and storage expansion shall provide a network attached storage medium for the video servers.
- D. The contractor shall submit storage calculations and configuration as part of the shop drawing submittals for 30-day storage based on the recording parameters indicated in section 3.4 of this specification.

2.2 DIGITAL VIDEO MANAGEMENT SYSTEM SOFTWARE

- A. The CI shall provide all software required for the complete operation of the video surveillance system.
- B. The approved products for this system are:
 - 1. Avigilon Unity Video
- C. Other access control system software can be accepted prior approval of the A&E.
- D. At a minimum the video surveillance system software shall provide the following key features:
 - 1. Ability to see live video and recorded video in the same application software.
 - 2. Ability to export video to an open standard file like AVI files
 - 3. Ability to integrate with other system with features as indicated in this specification.

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4. Support browser based clients and standard client workstation.
5. Have video analytics incorporated into the DVMS.

2.3 DVMS MANAGEMENT SERVER

- A. The DVMS management server shall have the following specifications:
1. Processor: Two (2) Eight Core Processors, at 2.0GHz CPU, Energy Smart
 2. Front side bus: 1333 MHz
 3. Cache: 4 MB Level 2 / 12 MB Level 3
 4. Memory: 32 GB DDR3-1333MHz, Energy Smart
 5. Graphics card: SVGA Graphic Card (with VGA connector)
 6. Hard drive configuration: Integrated SAS/SATA Raid 6
 7. Back plane: 1X8 bay for 2.5" hard drives
 8. Hard drives: Four (4) 73GB 15,000 RPM SAS SCSI 3Gbps 2.5" HotPlug hard drives
 9. CD/DVD Drive: 24x CD-RW/DVD Rom Drive SATA, internal
 10. Network Card: Dual 10/100/1000 Base-T
 11. Power supply: Energy Smart redundant power supply with dual cords. NEMA 5-15p 15A 10 ft. cords.
 12. USB ports: Minimum six (6) USB 2.0
 13. Serial ports: Minimum one (1) RS-232 in DB-9 connector.
 14. Options: USB to PS2 adapter for KVM connectivity
 15. Mounting: Rack chassis with sliding rapid/versa rails and cable management arm.
 16. Operating system: Windows 200X Server as recommended by Nice Systems, with software licenses to connect all workstations and cameras in the project plus 2 spare licenses for workstations and 10 spare licenses for cameras.
 17. Warranty: 3 –year warranty.
 18. Design Selection: Dell or HP.

2.4 CCTV WORKSTATION

- A. The rack mounted CCTV Workstations shall be a certified industry standard computer in a rack configuration. It must meet all requirements established by the DVMS software manufacturer. As a minimum the system capacity shall be as follows:
1. Processor: Two (2) Six Core Xeon Processors at 3.46 Ghz CPU
 2. Front side bus: 1333 MHz
 3. Cache: 12MB
 4. Memory: 12GB SDRAM, 1333MHz, ECC
 5. Ports: 1 Parallel, 2 Serial (DB-9), 10 USB 2.0
 6. Graphics card: Two 4GB Graphics Cards SLI, with quad DVI outputs each
 7. Hard Drive: Three (3) in RAID 1 configuration 600GB SATA 10K RPM 3.0 Gb/s Hard Drive
 8. CD/DVD Drive: One (1) 16X DVD+/-RW SATA with DVD burning software and DVD player software.
 9. Network Card: 10/100/1000 Base-T
 10. Mounting: rack mounted
 11. Accessories: Standard USB keyboard and USB optical mouse.
 12. Operating system: Windows version as recommended by Avigilon.

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13. Other software: Anti-virus software included with one year license.
 14. Warranty: 3-years
 15. Design Selection: Dell or HP
- B. The desk mounted CCTV workstation shall be a supplier certified industry standard computer. It must meet all requirements established by the DVMS software manufacturer and shall have a recommended minimum system capacity as follows:
1. Processor: One (1) Intel i7 processor at 3.4 Ghz CPU
 2. Front side bus: 1333 MHz
 3. Cache: 8MB
 4. Memory: 8GB SDRAM, 1333 Hz
 5. Ports: 1 Serial (DB-9), 10 USB 2.0, 2-line in audio, 2 line out audio,
 6. Graphics card: 1GB Graphic Card, with dual DVI outputs with sound
 7. Speakers: Sound bar to be mounted under the flat panel display. External speakers desk mounted not acceptable.
 8. Hard Drive: 500GB SATA 6.0 Gb/s with 16MB DataBurst Cache Hard Drive
 9. CD/DVD Drive: One 8X Blu-ray Disc Burner with Blu-ray burning software and Blu-ray player software.
 10. Network Card: 10/100/1000 Base-T
 11. Power supply: 88% Efficient power supply
 12. Energy Efficiency: Energy Star 4.0 Category B, EPEAT gold
 13. Mounting: rack mounted, desk mounted, mini-tower or small form factor chassis as indicated in workstation list. For rack mounting, desk top units fitting a rack tray are acceptable. Mini-tower configurations on a shelf are not acceptable for rack mount.
 14. Accessories: Standard USB keyboard and USB optical mouse For rack mounted devices, USB to PS2 adapters are required.
 15. Operating system: Windows version as recommended by Avigilon.
 16. Other software: Anti-virus software included with one year license.
 17. Warranty: 3-years
 18. Design Selection: Dell or HP.
- C. The CCTV workstations shall include monitors, converters, and extenders as indicated on the drawings.
- D. The CCTV workstation shall include the Avigilon Unity video management software.

2.5 DVMS VIDEO SERVER

- A. The DVMS video server shall process the video streams from the IP cameras for recording on the storage array or viewing at workstation and decoder locations. A maximum of 36 cameras shall be programmed per server.
- B. The DVMS video server shall use commercial off the shelf server equipment with dual redundant hot swap power supplies. The server shall have a minimum of 12 GB RAM.
- C. The DVMS video server shall have Two 1 GbE ports for connection to the security network and Two 1 GbE iSCSI ports for connection to the iSCSI network switch.

2.6 DVMS STORAGE ARRAY

- A. The DVMS storage array shall store all recorded video for the required amount of time. The storage array shall also provide the interface with up to three storage expansion units connected via JBOD cable.
- B. Total capacity of the storage shall be submitted as part of the shop drawing submittal process based on final camera selections submitted for approval by Architect and Engineer.
- C. Each storage array shall have two 1GbE iSCSI ports for connection to the iSCSI network switch.

2.7 SURGE PROTECTION

- A. All CCTV components mounted outside the building shall be provided with surge and lightning protection. Provide UL listed multi-stage protection on all low voltage and signal transmission lines. All 120 VAC surge suppression devices shall be EDCO HSP121BT-1RU or an approved equal. For low voltage connections provide FAS-1 surge suppressors manufactured by EDCO or an approved equal. For coax connections provide CX-06-BNCY line protectors manufactured by EDCO or an approved equal.
- B. For exposed Ethernet connections with PoE, use EDCO CAT6-E PoE or approved equal.

2.8 WIRE & CABLE

- A. All UTP Category horizontal cables and fiber optic cables for the CCTV system shall be in compliance of all requirements in specification section 271000 and shall be under the same warranty as all UTP category cables and fiber optic cables described in specification section 271000. Color jacket for wiring for the CCTV system shall be yellow.
- B. Cable gauge: All cable gauges shall be estimated as to allow a maximum of 5% voltage drop from the source to the load. Sizes given previously are only minimum gauges accepted. The Installer shall always estimate proper values.
- C. Cable jackets: All cable jackets shall be suitable for the environment on which the cables will be installed. Use plenum rated cables when cables are installed in plenum spaces. Use riser rated cables when cables are installed through floor sleeves. Use cable jackets with water-blocking material when installed in underground conduits.
- D. Cable jackets for this project: Except when cables are run continuously in conduit all cable or patch cord cables; jackets for CCTV cables shall be plenum rated.
- E. All cables shall be RoHS compliant and free of VOC. The SSI shall provide proof of compliance for all cables during the submittal process.

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- F. Acceptable manufacturers: Belden, Alpha Wire Company, General Cable and West Penn Wire.

2.9 IDENTIFICATION AND LABELING TAGS

- A. The CI shall follow labeling materials indicated in specification section 270010.

PART 3 - EXECUTION

3.1 INSTALLATION PRACTICES

- A. General: The CI shall follow all installation practices indicated in specification section 270010
- B. For all building exterior applications, CCTV imagers shall be day/night type of cameras.

3.2 WIRING METHODS

- A. All proposed wire and cable shall meet or exceed the recommendations established by the equipment manufacturers, and shall comply with all state and local codes.
- B. Visually inspect all wire and cable for faulty insulation prior to installation. Protect cable ends at all times with acceptable end caps.
- C. Provide grommets and strain relief materials where necessary to avoid abrasion and excess tension on wire and cable.
- D. All penetrations through fire rated barriers shall be provided, by the CI, with appropriate fire stopping materials in accordance with NFPA requirements and local fire authority having jurisdiction.
- E. All cable runs shall be continuous from the device to the equipment. Cable splices shall not be allowed inside conduits, or cable trays.
- F. All cameras shall have a camera interface box with disconnect means to horizontal cabling for testing purposes and service. Camera interface boxes shall be located in accessible ceiling spaces as close as possible to the camera. Disconnect means shall be provided for UTP cables in the form of an 8-pin modular plug and receptacle. Disconnect means shall be provide for low voltage camera power cables in the form of insulated spade connectors (female connectors in load side, male connectors in camera side).
- G. All video cable connectors and terminations shall be 3-way crimp-on type and shall including connector cables for 24 VAC input and video/data coax output. Twist on style connectors will not be acceptable for any terminations on this project.
- H. Cables of similar signal level shall be bundled together and kept physically separate from power cords, plug strips or other circuits with different potential. Exposed wire

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bundles or individual cables shall be neatly secured with self-clinching nylon "TY Raps" (Thomas & Betts or equal). Lacing of cables shall not be permitted.

- I. All cables run part of the CCTV system in areas where ceiling is not accessible or in building exterior shall be in conduit at all times
- J. All termination of UTP Category type multi pair cables shall be done in Insulation Displacement Connectors (IDC), modular plugs or connectors. The use of wire nuts or manually twisting cables and protecting them with electrical tape are not acceptable means of termination.
- K. Components of the distribution system shall be installed in a neat, workmanlike manner consistent with all best practices.
- L. Wiring color codes shall be strictly observed and terminations shall be uniform throughout the building.

3.3 IDENTIFICATION AND TAGGING

- A. All cables, wires, wiring forms, terminal blocks, and terminals shall be clearly identified by pre-printed labels or tags. The permanent markings shall clearly indicate the function, source, and destination of all cabling, wire, and terminals. All cables shall be labeled at both ends of the cable with the same and unique identifier label.
- B. Cable and equipment identifiers shall follow a standard labeling system like TIA/EIA-606. The identification system chosen by the CI shall be submitted for approval to the A&E.
- C. All camera power supplies, patch panels shall include a work sheet attached to the interior of the equipment cabinet in plastic envelopes. This work sheet shall include the location, type of device and part number of all devices connected to the boards inside those equipments. All names used to identify devices in these worksheets shall match all names and identifiers used in the software or the user interface of the system. A second copy of this worksheet shall be delivered to as part of the as-built information.

3.4 CCTV SYSTEM PROGRAMMING

- A. The CI shall program the CCTV system and the integration to the Security System as indicated in specification section 281000.
- B. IP Video Management System (IPVMS) programming: The CI is responsible for all programming and installation labor associated with the IPVMS and the CCTV workstations, as well as all components to make the system operational. The CI shall program the IPVMS system as to create the minimum amount of traffic in the network, and still comply with all resolutions and frame rates as indicated in this specification.
- C. IP video frame rate setting: The CI shall program all settings for the IPVMS following these criteria:

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1. The system shall be programmed for 2 different modes of operation: high activity mode and low activity mode. The CI Installer shall work with the owner to establish in a regular week for each area of the building what hours in each day are considered high activity and what hours of each day are considered low activity.
2. All cameras in low traffic interior non-public hallways or rooms shall be recorded normally at 2fps @ highest resolution during high activity mode. During high activity mode frame rate shall be increased to 15 fps upon motion detection or alarm from access control system in the field of view for at least 5 minutes after motion ceased or alarm cleared. During low activity mode these cameras shall be recorded at 1 fps @ 4CIF. Upon motion detection in the field of view of those cameras, the frame rate shall be increased to 15 fps @ highest resolution for at least 5 minutes after motion ceased.
3. All cameras in public areas inside the building shall be recorded at least at 15 fps @ highest resolution during high activity mode. During low activity mode cameras in these areas shall be recorded at 4 fps @ 4CIF. Upon motion detection in the field of view of those cameras, the frame rate shall be increased to 15 fps @ highest resolution for at least 5 minutes after the motion ceased.
4. All site and exterior cameras shall be recorded at 15 fps @ highest resolution at all times.

3.5 ADDITIONAL INSTALLER RESPONSIBILITIES

- A. Upon project commencement, the CI shall provide qualified technical personnel on-site. Personnel shall be present on each consecutive working day until the system is fully functional and ready to begin the testing phase of this project.
- B. During the installation process the CI shall maintain an up-to-date set of as-built shop drawings, which shall always be available for review by the client and/or consulting engineers. This set of documents should be clearly annotated with as-built data as the work is performed. These documents will be reviewed as part of the approval process when evaluating payment request applications. At a minimum, the drawings should contain the following information:
 1. Quantity and location of all equipment installed.
 2. Cable and wire runs along with the designations tags assigned to each.
 3. Wiring diagrams that indicate terminal strip layout, identification, and terminations.
- C. The CI Project Manager shall maintain continuous coordination with the consulting engineers. The engineers shall be kept informed of the progress and all conflicts that arise during the course of this project. Prior to the start of construction the CI shall submit a complete plan and schedule for proposed operations. This schedule should include information relevant to number of employees assigned to the project, work hours, etc.

3.6 REQUEST OF IP ADDRESSES

- A. The CI shall comply with all requirements indicated in specification section 270010 for requesting IP address for the security system.

EMERGENCY MANAGEMENT AND 911 COMMUNICATIONS DISPATCH CENTER

3.7 SYSTEM WARRANTY AND SERVICE

- A. General: The CI shall follow all warranty and service requirements indicated in specification section 270010.

3.8 ENGINEER'S FINAL ACCEPTANCE TEST

- A. General: The SSI shall follow all test requirements indicated in specification section 270010.
- B. Additional requirements for the system acceptance test:
 - 1. The day of the final acceptance test the CI shall have at least two (2) 2-way radios to communicate between the testing groups. Cell phones are not acceptable for communication since it takes too long to establish communication, and will delay the test substantially. Radios shall be fully charged, and spare batteries shall be available for 8 hours of use.
 - 2. The final acceptance test will be done with two groups of people. Each group will have at least one member of each stakeholder of the project (A&E, Owner, SSI, General Installer/ Construction Manager). One group will be station in the monitoring room the other group will be going to all locations in the project where security equipment is installed.
 - 3. During the final acceptance test every single camera will be tested in the system. When possible, CCTV equipment will be tested for operation during main power failure. All features requested in this specification will be tested
- C. Testing of all structured cabling system part of the Video Surveillance system shall be done in accordance of specification section 271000

3.9 SPARE PARTS

- A. As part of this project the SSI shall provide the following spare parts:
 - 1. One (1) camera of each type in the project. Electronics only, no enclosures
 - 2. One (1) additional surge suppression of each type used in the project.
- B. A list of delivered spare parts shall be included with the close out information. This list shall indicate all components delivered and shall be signed received by the Owner. The name of person receiving the equipment shall be clearly written in the list and the date it was received.

3.10 TRAINING AND INSTRUCTION

- A. General: The CI shall follow all training requirements indicated in specification section 270010.
- B. The CI shall provide two (2) levels of training for this project as explained in this section.
- C. OPERATOR/ADMINISTRATION TRAINING.

EMERGENCY MANAGEMENT AND 911 COMMUNICATIONS DISPATCH CENTER

1. Operator/Administration training shall be provided for security and IT personnel interacting with the CCTV system in all security monitoring rooms. The purpose of this training is to explain clearly how the complete system operates and what the different status indicators mean.
2. This training shall cover at least the following topics:
 - a. Operation of the CCTV system software (all aspects).
 - b. Operation of all devices inside the security monitoring room.
 - c. Alarm response and alarm reset in the security monitoring room
 - d. Data backup/restore and achieving.
 - e. File import/export.
 - f. Creating reports and print outs.
 - g. Basic system troubleshooting.
 - h. Creating users and password reset.
3. This training shall be provided by personnel working directly for the CI or a direct employee of the manufacturer of the system.
4. One session of this type of training shall be provided. This session shall last no less than 24 hours, broken down into day sessions no longer than 6 hours each.
5. Each session could have up to 20 trainees.
6. The approved O&M manuals shall be available at the time of the training.

D. MAINTENANCE TRAINING.

1. Maintenance training shall be provided for maintenance and IT personnel. The purpose of this training is to explain how to troubleshoot and replace all field devices and hardware.
2. This training shall cover at least the following topics:
 - a. Trouble shooting and replacement of all field devices.
 - b. Installation of all cameras and their settings (jumpers, dip switches, etc).
 - c. Wire labeling system.
 - d. Software system installation and recover from system crashes.
 - e. Detail explanation on all physical keys used in CCTV devices.
 - f. Routine preventive maintenance procedures recommended by equipment manufacturers for all components of the system.
 - g. Detail explanation of source code programming for all devices that have software code specifically compiled for this project (i.e. the control system for the video wall).
3. This training shall be provided by personnel working directly for the CI or a direct employee of the manufacturer of the system.
4. One session of this type of training shall be provided and recorded. This session shall last no less than 18 hours, broken down into day sessions no longer than 6 hours each.
5. Each session could have up to 5 trainees.
6. The approved O&M manuals shall be available at the time of the training.

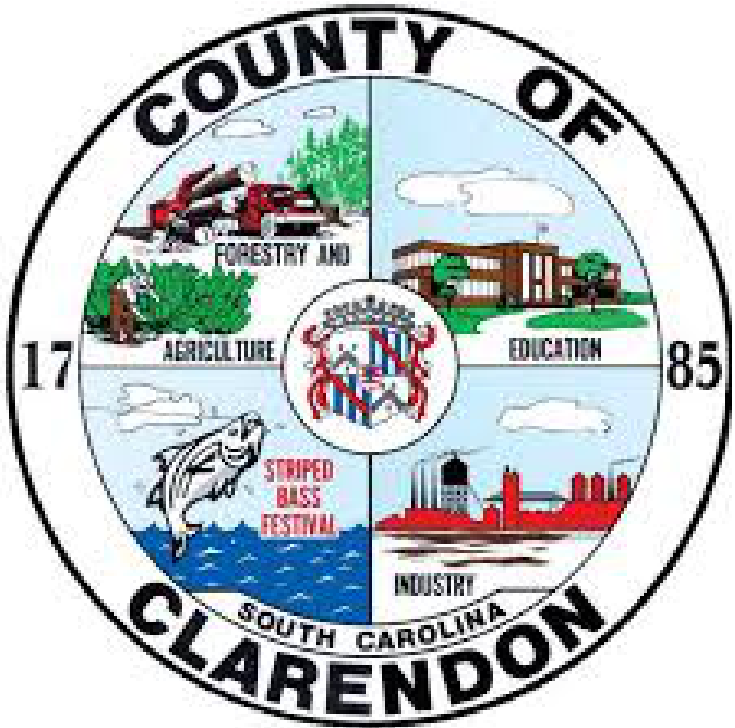
3.11 AS-BUILT DOCUMENTS AND CLOSE OUT INFORMATION

- A. General: The CI shall follow all as built and close out information requirements indicated in specification section 270010
- B. Additional requirements for as-built documentation shall include:

EMERGENCY MANAGEMENT AND 911 COMMUNICATIONS DISPATCH CENTER

1. Approved as-built drawings shall be a complete set of floor plans drawings, riser diagrams, and wiring details indicating the layout and interconnection of the system. All cable routings and elevation of each outlet, tie, and riser cable terminations shall be required.
 2. The content of the as-built information shall be no less than the content provided during the shop drawings, and shall be modified as per changes done during construction.
- C. Close out information shall also include:
1. Two (2) digital backups of all configuration files and databases part of the CCTV system not earlier than the day after the final acceptance test is approved. These backups shall include a list of all the file names used and a complete description of the system that each file name belong to. The media for these backups shall be a compatible media that can be read by the computer system running the specific software program.
 2. Testing reports for structured cabling system used for the CCTV system.

END OF SECTION 282000



CLARENDON COUNTY EMERGENCY MANAGEMENT & 911 COMMUNICATIONS DISPATCH CENTER

1091 CAPITAL WAY
MANNING, SC 29102



SEALS
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- NOTES:
- GC TO PERFORM AAMA A502 WATER SPRAY TESTS ON (3) WINDOWS IN PLACE. ARCHITECT TO SELECT THE WINDOWS TO BE TESTED
 - ALL GUTTERS TO DISCHARGE ONTO CONCRETE SPLASHBLOCK, TYP. & PROVIDE POSITIVE SLOPE AWAY FROM BUILDING
 - SEE A512 FOR FREE-STANDING MOCKUP
 - ALL TOILET ACCESSORIES ARE OF CGL GC TO FINALIZE OWNERS SELECTIONS & COORDINATE LOCATIONS PRIOR TO INSTALLING GWB
 - TACK BOARDS & MARKER BOARDS ARE OF CGL GC TO COORDINATE LOCATIONS FOR BLOCKING PRIOR TO INSTALLING GWB
 - SEE SPEC 012300 ALTERNATES FOR DESCRIPTION OF BID ALTERNATE TO BE INCLUDED IN THE BID FORM.

ARCHITECTS / ENGINEERS / CONSULTANTS:

ARCHITECT:
CAPLEA COE ARCHITECTS, INC.
1643 MEANS STREET
CHARLESTON, SC 29412
(843) 577-6073

MEP ENGINEER:
BUFORD, GOFF, & ASSOCIATES
1331 ELMWOOD AVENUE, SUITE 200
COLUMBIA, SC 29201
(803) 254-6302

STRUCTURAL ENGINEER:
MMSA, INC.
30 PATEWOOD DRIVE, SUITE 100
GREENVILLE, SC 29615
(864) 331-1201

CIVIL ENGINEER:
HUSSEY GAY BELL
1010 GERVAIS STREET, FLOOR 3
COLUMBIA, SC 29201
(803) 799-0444

TECHNOLOGY:
WIRED ENGINEERING, LLC.
4327 S. HWY 27
CLERMONT, FL 34711
(407) 716-9711

COMMISSIONING:
MBP CAROLINAS, INC.
4700 FALLS OF NEUSE RD.
SUITE 370
RALEIGH, NC 27609
919-875-0124

CODE SUMMARY

- SITE DEVELOPMENT:
 - TOTAL AREA OF PROJECT SITE (IN ACRES): .99
 - TOTAL AREA OF PROJECT SITE THAT WILL BE DEVELOPED: .99 ACRES
 - MUNICIPALITY AND/OR COUNTY WHERE PROJECT IS LOCATED: **MANNING, SC**
 - JURISDICTION FOR:
 - SITE WORK: **CITY OF MANNING**
 - FIRE DEPARTMENT: **CLARENDON COUNTY EMERGENCY MANAGEMENT**
 - WATER: **CITY OF MANNING**
 - SEWER: **CITY OF MANNING**
 - ZONING: **PL-2**
 - 1.2 IS PROJECT IN A FLOOD ZONE: **NO**
FLOOD MAP INFORMATION: **MAP# 455413**
EFFECTIVE DATE: **NOV. 17, 2004**
COMMUNITY PANEL: **0529**
 - 1.3 IS PROJECT IN WETLANDS AREA: **YES**
 - OCCUPANCY: **BUSINESS (B), ASSEMBLY (A-3), RESIDENTIAL (R-3)**
 - TYPE OF CONSTRUCTION:
 - CONSTRUCTION CLASSIFICATION: **TYPE II B**
 - IS THE BUILDING CONSTRUCTION PROTECTED OR UNPROTECTED: **UNPROTECTED**
 - IS THE BUILDING CONSTRUCTION COMBUSTIBLE OR NONCOMBUSTIBLE: **NONCOMBUSTIBLE**
 - IS THE BUILDING PROVIDED WITH A FIRE PROTECTION SPRINKLER SYSTEM? **YES**
 - GENERAL BUILDING DESIGN: ALLOWABLE AREA, HEIGHT AND OCCUPANT LOAD:
 - BUILDING TOTAL AREA = **ALLOWABLE 48,000 GSF ; ACTUAL 10,300 GSF**
 - HEIGHT = **ALLOWABLE 75' - 0" ; ACTUAL 28' - 8"**
 - OCCUPANT LOAD = **237 PERSONS TOTAL**
GROUP B BUSINESS: 5,526 SF / 150 GROSS SF PER PERSON = 37 PERSONS
GROUP A-3 ASSEMBLY: 2,627 SF / 15 GROSS SF PER PERSON = 176 PERSONS
GROUP R-3 RESIDENTIAL: 1,197 SF / 50 GROSS SF PER PERSON = 24 PERSONS
 - FIRE RESISTANCE RATINGS
 - STRUCTURAL FRAME = **0**
 - BEARING WALLS/EXTERIOR = **0**
 - BEARING WALLS/INTERIOR = **0**
 - NONBEARING WALLS/EXTERIOR = **0**
 - NONBEARING WALLS/INTERIOR = **0**
 - FLOOR CONSTRUCTION = **0**
 - ROOF CONSTRUCTION = **0**
 - FIRE WALLS = **N/A**
 - FIRE BARRIERS = **N/A**
 - SHAFT ENCLOSURES = **N/A**
 - FIRE PARTITIONS = **1 HR**
 - OTHER FIRE PROTECTION REQUIREMENTS:
 - ARE SMOKE BARRIERS REQ'D? **NO**
 - SMOKE PARTITIONS REQ'D? **NO**
 - PROTECTION OF PENETRATIONS REQ'D? **YES**
 - ARE PENETRATIONS PER UL TESTING AUTHORITY? **YES**
 - OPENING PROTECTIVES REQ'D? **NO**
 - IS DRAFT STOPPING REQ'D? **NO**
 - IS FIRE BLOCKING REQ'D? **NO**
 - ARE SPRINKLERS REQ'D? **NO** PROVIDED? **YES**
 - ARE STANDPIPES REQ'D? **NO**
 - IS A FIRE ALARM SYSTEM REQ'D? **YES**
 - IS A SMOKE CONTROL SYSTEM REQ'D? **NO**
 - STRUCTURAL DESIGN INFORMATION: **SEE S100**
 - FLOOR LIVE LOAD: **125 PSF LIGHT STORAGE, 150 PSF MECHANICAL/ELECTRICAL, 100 PSF ALL OTHER AREAS**
 - ROOF LIVE LOAD: **20 PSF**
 - GROUND SNOW LOAD: **5 PSF**
 - WIND LOADS: **ASCE 7-16**
BASIC WIND SPEED, $V = 144$ (3-sec gust in mph)
BUILDING CATEGORY = **CATEGORY IV, ESSENTIAL FACILITY**
WIND EXPOSURE = **EXPOSURE C**
COMPONENT AND CLADDING MAX PRESSURE = **47.2 PSF (ULT)**
 - SEISMIC LOADS: **ASCE 7-16**
SEISMIC IMPORTANCE FACTOR, $I_E = 1.5$
SEISMIC USE GROUP = **IV**
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
SITE CLASS = **D**
SPECTRAL RESPONSE COEFFICIENT: $S_{ds} = 0.487g$ $S_{d1} = 0.256g$
SEISMIC DESIGN CATEGORY = **CATEGORY D**
BASIC SEISMIC FORCE RESISTING SYSTEM = **STEEL ORDINARY CONCENTRICALLY BRACED FRAMES & SPECIAL REINFORCED MASONRY BRACE WALLS**
ANALYSIS PROCEDURE: **EQUIVALENT LATERAL FORCE**
 - SPECIAL LOADS:
 - WATER SYSTEM: DOMESTIC, FIXTURE UNITS: **152 WFSU** PEAK GPM: **83 gpm** SERVICE LINE SIZE: **3"**
 - SANITARY SEWER SYSTEM LOADING: **118 DFU - (1) 4" SEWER MAIN SLOPED @ 0.125" PER FOOT**
 - EXISTING SERVICE LINE SIZE: **N/A**
 - PLUMBING FIXTURE CALCULATIONS:
MINIMUM NUMBER OF PLUMBING FIXTURES REQUIRED:
BUSINESS OCCUPANCY = 37 OCCUPANTS (19 MALE, 19 FEMALE)
WATER CLOSETS (MALE & FEMALE): 1 PER 25 FOR FIRST 50, 1 PER 50 REMAINDER = **2 WC**
LAVATORIES (MALE & FEMALE): 1 PER 40 FOR FIRST 80, 1 PER 80 REMAINDER = **2 LAV**
A-3 ASSEMBLY OCCUPANCY = 176 OCCUPANTS (88 MALE, 88 FEMALE)
WATER CLOSETS (MALE): 1 PER 125 = **1 WC**
WATER CLOSETS (FEMALE): 1 PER 65 = **2 WC**
LAVATORIES (MALE & FEMALE): 1 PER 200 = **2 LAV**
R-3 RESIDENTIAL OCCUPANCY = 24 OCCUPANTS (12 MALE, 12 FEMALE)
WATER CLOSETS (MALE & FEMALE): 1 PER 10 = **4 WC**
LAVATORIES (MALE & FEMALE): 1 PER 10 = **2 LAV**
SHOWERS (MALE & FEMALE): 1 PER 8 = **3 SHOWERS**
- TOTALS: **WATER CLOSETS REQUIRED: MALE = 4, FEMALE = 5; PROVIDED: MALE = 2 WC(+ 2 URINAL), FEMALE = 5, UNI = 3**
LAVATORIES REQUIRED: MALE = 3, FEMALE = 3; PROVIDED: MALE = 3, FEMALE = 4, UNISEX = 3
SHOWERS REQUIRED: 3; PROVIDED: 3
SERVICE SINKS REQUIRED: 1; PROVIDED: 1
DRINKING FOUNTAINS REQUIRED: 1; PROVIDED: 2
- MECHANICAL INFORMATION:
 - OVERALL THERMAL TRANSFER VALUE (OTTV): FUTURE CALCULATION - **2.6 BTU/FT²**
 - COOLING LOAD: **75 TONS**
 - HEATING LOAD: **681.8 MBH**
 - OUTSIDE AIR (CFM/PERSON): 4600 CFM TOTAL, 77 PEOPLE, FOR 59 CFM/PERSON
 - INSULATION R-VALUE: EXT. WALLS: R19 ROOF: R30
 - GLASS: U-FACTOR: **WINTER NIGHT TIME = 0.6 max. SUMMER DAYTIME = 0.6 max. SHGC: 0.29 max.**
WINDOW-TO-WALL RATIO: 3%
- ELECTRICAL INFORMATION:
 - SERVICE TRANSFORMER:
IF BY AGENCY: **BY UTILITY** KVA: **BY UTILITY** PRIMARY VOLTAGE/PHASE: **BY UTILITY**
 - PROVIDE THE FOLLOWING SERVICE INFORMATION:
SERVICE VOLTAGE/PHASE: **208V, 3-PHASE** AMPERES: **1600 A**
SERVICE ENTRANCE CONDUCTORS SIZE: **400 MCM**
QUANTITY PER PHASE: **5**
TOTAL CONNECTED LOAD KVA: **425** ESTIMATED DEMAND FACTOR: **0.90**
ESTIMATED MAXIMUM DEMAND KVA: **382**
AVAILABLE FAULT CURRENT IN SYMMETRICAL AMPERES: **59,997A AT SERVICE DISCONNECT**
INTERRUPTING CAPACITY OF SERVICE OVERCURRENT DEVICE: **30,000**
TYPE OF GROUNDING ELECTRODE SYSTEM(S) PER NEC 250-C: **PER NFPA 70, ARTICLE 250**
ENCASED ELECTRODE, DRIVEN ROD, GROUND RING
- EMERGENCY GENERATOR: **YES** VOLTAGE/PHASE: **208V, 3-PHASE** FUEL: **DIESEL**
- EXT. EMERGENCY LIGHTS BACKUP POWER: **GENERATOR**
- EMERGENCY EGRESS ILLUMINATION MINIMUM FOOT-CANDLES: **PER SCBC 2021 - 1fc**
- FIRE ALARM SYSTEM: ADDRESSABLE? **YES** CLASS A OR B? **B**
- LIGHTNING PROTECTION PROVIDED? **YES**

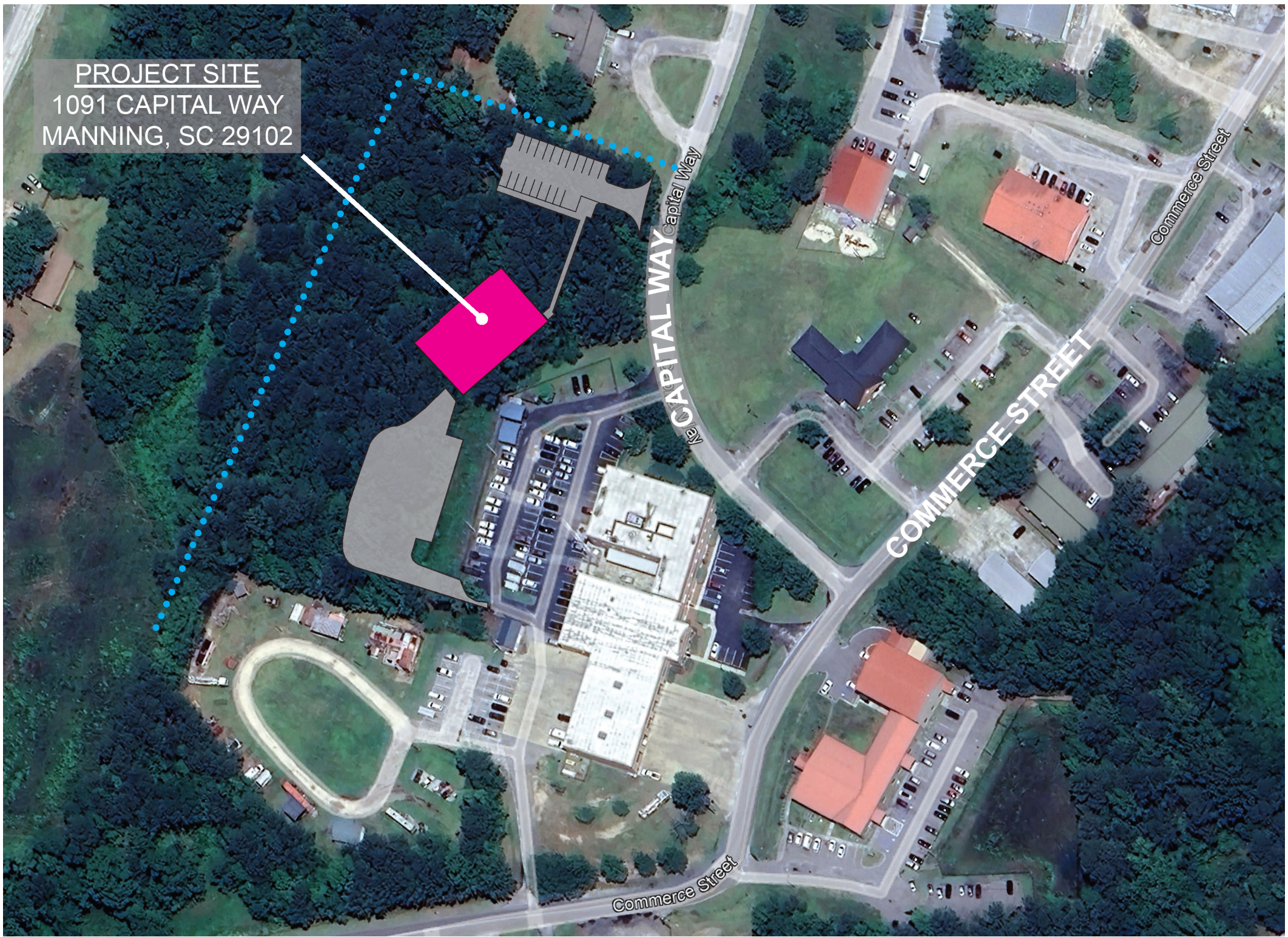
LIST OF DRAWINGS

SHEET	SHEET NAME	REV.	DATE	SHEET	SHEET NAME	REV.	DATE
01 GENERAL				E002	ONE-LINE DIAGRAM - MAIN SERVICE		
G100	TITLE SHEET	2	05/XX/25	E003	ONE-LINE DIAGRAM - UPS SYSTEM		
G101	ABBREVIATIONS, LEGEND, & CONDOC			E004	PANELBOARD SCHEDULES		
G102	ADA DETAILS			E005	PANELBOARD SCHEDULES		
				E006	PANELBOARD SCHEDULES		
02 LIFE SAFETY				E100	LIGHTING DETAILS		
LS101	FIRST FLOOR LIFE SAFETY PLAN			E101	FIRST FLOOR PLAN		
				E200	ELECTRICAL DETAILS		
03 CIVIL				E201	FIRST FLOOR PLAN - ELECTRICAL		
C000	COVER & INDEX SHEET			E202	MECH. PLATFORM - ELECTRICAL		
C100	EXISTING CONDITIONS & DEMOLITION PLAN			E210	ENLARGED FLOOR PLANS - ELECTRICAL		
C200	SITE PLAN			E211	CALL CENTER POWER SYSTEM ANNUNCIATION		
C201	SITE DETAILS			E250	OVERALL ROOF PLAN - LIGHTNING PROTECTION SYSTEM		
C202	SITE DETAILS			E300	FIRE ALARM DETAILS		
C300	GRADING & DRAINAGE PLAN			E301	FIRST FLOOR PLAN - FIRE ALARM		
C301	STORMWATER DETENTION POND DETAILS			E401	FIRST FLOOR PLAN - EMERGENCY RESPONDER RADIO COVERAGE (ERRC)		
C302	STORM DRAINAGE DETAILS						
C303	STORM DRAINAGE DETAILS						
C304	STORM DRAINAGE DETAILS						
C400	WATER & SANITARY SEWER PLAN			10 FIRE PROTECTION			
C401	WATER & SANITARY SEWER DETAILS			F001	LEGENDS, NOTES, & SCHEDULES - FIRE PROTECTION		
C501	SWPPP PHASE 1 - INITIAL PHASE			F100	FIRST FLOOR PLAN - FIRE PROTECTION		
C502	SWPPP PHASE 2 - CONSTRUCTION PHASE			F500	DETAILS - FIRE PROTECTION		
C503	SWPPP PHASE 3 - STABILIZATION PHASE			F501	ENLARGED PLANS & SCHEMATICS - FIRE PROTECTION		
C504	SWPPP DETAILS						
C505	SWPPP DETAILS			11 TECHNOLOGY			
C506	SWPPP DETAILS			T001	GENERAL NOTES & SHEET INDEX		
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04 LANDSCAPE				T101	VOICE / DATA FLOOR PLAN		
L100	LANDSCAPE SHEET KEY			T102	SECURITY FLOOR PLAN		
L101	LANDSCAPE PLAN			T103	A/V FLOOR PLAN		
L102	LANDSCAPE PLAN			T104	REFLECTED CEILING PLAN		
L103	LANDSCAPE PLAN			T201	TECHNOLOGY ENLARGED PLANS		
L104	LANDSCAPE PLAN			T301	TECHNOLOGY RISER DIAGRAMS		
L105	NOTES, DETAILS & MASTER SCHEDULE			T302	TECHNOLOGY RISER DIAGRAMS		
				T401	TECHNOLOGY DETAILS		
				T402	TECHNOLOGY DETAILS		
				T501	DEVICE SCHEDULES		
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A101	FIRST FLOOR PLAN	1	05/13/25				
A102	FIRST FLOOR DIMENSION PLAN						
A110	ROOF PLAN						
A124	TYPICAL SEISMIC CEILING DETAILS						
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A202	EXTERIOR ELEVATIONS	2	05/XX/25				
A301	BUILDING SECTIONS						
A302	BUILDING SECTIONS						
A310	WALL SECTIONS						
A311	WALL SECTIONS						
A312	WALL SECTIONS						
A313	WALL SECTIONS						
A320	SECTION DETAILS						
A321	SECTION DETAILS						
A401	ENLARGED PLANS & INTERIOR ELEVATIONS	1	05/13/25				
A402	ENLARGED PLANS & INTERIOR ELEVATIONS	1	05/13/25				
A403	INTERIOR ELEVATIONS	1	05/13/25				
A404	INTERIOR ELEVATIONS	1	05/13/25				
A405	INTERIOR ELEVATIONS						
A501	CASEWORK SECTIONS	1	05/13/25				
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A601	DOOR SCHEDULE & LEGENDS	1	05/13/25				
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A621	PARTITION TYPES						
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A701	FINISH SCHEDULES						
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A902	RENDERING						
A903	RENDERING						
A904	RENDERING						
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S302	SECTIONS AND DETAILS						
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S402	SECTIONS AND DETAILS						
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S603	SECTIONS AND DETAILS						
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M400	DETAILS - HVAC						
M401	DETAILS - HVAC						
08 PLUMBING							
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P002	PLUMBING SCHEDULES & DETAILS						
P101	FLOOR PLAN - PLUMBING - SUPPLY						
P102	FLOOR PLAN - PLUMBING - WASTE / VENT						
P110	ROOF PLAN - PLUMBING						
P200	PLUMBING - WASTE / VENT RISER						
09 ELECTRICAL							
E001	SITE PLAN						

AGENCY APPROVALS

AGENCY	APPROVAL	DATE
SCDEHC	STORMWATER MANAGEMENT	04/18/2025

LOCATION MAP



APPLICABLE CODES

ENFORCED CODES:

2021 INTERNATIONAL EXISTING BUILDING CODE WITH S.C. MODIFICATIONS
2021 INTERNATIONAL BUILDING CODE WITH S.C. MODIFICATIONS
2021 INTERNATIONAL MECHANICAL CODE WITH S.C. MODIFICATIONS 2021
2020 NATIONAL ELECTRIC CODE WITH S.C. MODIFICATIONS
2021 INTERNATIONAL PLUMBING CODE WITH S.C. MODIFICATIONS
INTERNATIONAL FIRE CODE, 2021 ED. WITH S.C. MODIFICATIONS
2021 INTERNATIONAL FUEL GAS WITH S.C. MODIFICATIONS

INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2009 ED. (ENERGY STANDARD ACT)

NFPA 70-2020, NATIONAL ELECTRIC CODE WITH S.C. MODIFICATIONS

LATEST EDITION OF ICC/ANSI-A117.1-2017 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
ADOPTED BY THE ACCESSIBILITY ACT, S.C. CODE ANN. § 10-5-210 ET SEQ.

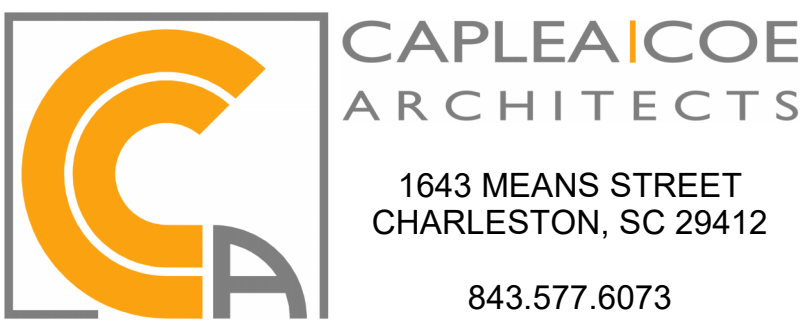
*[SCBC MODIFICATIONS: SEC 305.4.1, INSERT "18" AND INSERT "18", SEC 903.1, INSERT "8"]

CONTRACT DOCUMENTS

CLARENDON COUNTY
EMERGENCY MANAGEMENT &
911 COMMUNICATIONS
DISPATCH CENTER

PROJECT NUMBER: ITB 2024-006

1091 CAPITAL WAY
MANNING, SC 29102

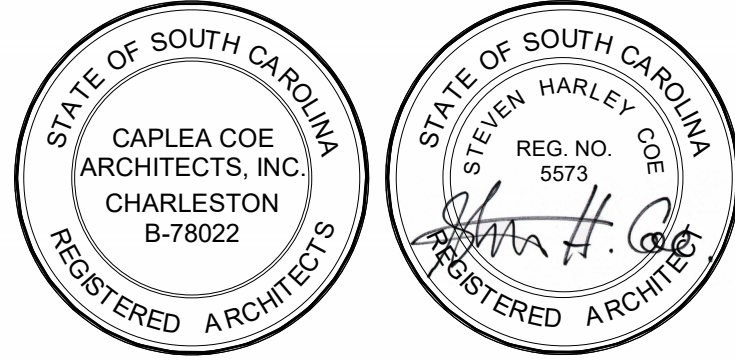


TITLE SHEET

SHEET NAME	PROJECT NUMBER	G100
24001		
DRAWN BY		
CHECKED BY		
DATE	05.01.2025	
SCALE		
		6/30/2025 3:53:02 PM

EXTERIOR MATERIAL SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	MODEL	COLOR
EXTERIOR				
BR-1	MODULAR BRICK-RUNNING BOND	US BRICK	TITAN	GREY VELOUR
MPS-1	ALUMINUM PLANK SIDING	LONGBOARD	6" V-GROOVE	BLONDE OAK
MPS-2	STANDING SEAM METAL WALL / ROOF PANEL	PAC-CLAD	TITE-LOC	IRON ORE
MPS-3	ALUMINUM PLANK SIDING PANEL BOARDS	LONGBOARD	6" SMOOTH	SLATE GREY
MPS-4	ALUMINUM TEXTURED PLANK SIDING	LONGBOARD	4" CASTELLATION	SLATE GREY
MPS-5	EXPOSED FASTENER ALUMINUM PANELS	PAC-CLAD	CORRUGATED PANELS	IRON ORE



SEALS

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- NOTES:
- 02 SURFACE MOUNTED METAL LETTER SIGNAGE
 - 03 SURFACE MOUNTED LOGO SIGNAGE
 - 04 BUILDING ADDRESS TO BE SURFACE APPLIED VINYL LETTERING
 - 05 INSTALL FISHEYE SPOTLIGHT IN UNDERSIDE OF SOFFIT TO ILLUMINATE BUILDING SIGNAGE

BID ALTERNATE:
SURFACE MOUNTED METAL LETTER SIGNAGE & LOGO SIGNAGE TO BE SUBSTITUTED WITH HALO-LIT METAL STAND-OFF LETTERS & INTERIOR ILLUMINATED LOGO SIGNAGE

KEYNOTES:

KEY VALUE	KEYNOTE TEXT
042000.O	BRICK VENEER
042000.S	THROUGH WALL FLASHING
074616.B	ALUMINUM PLANK SIDING - 6" V-GROOVE
074616.C	ALUMINUM PLANK SIDING - 6" SMOOTH
074616.D	3/4" U-CHANNEL REVEAL
076200.E	PREFINISHED BRAKE METAL FASCIA
084113.A	ALUMINUM-FRAMED STOREFRONT WINDOWS

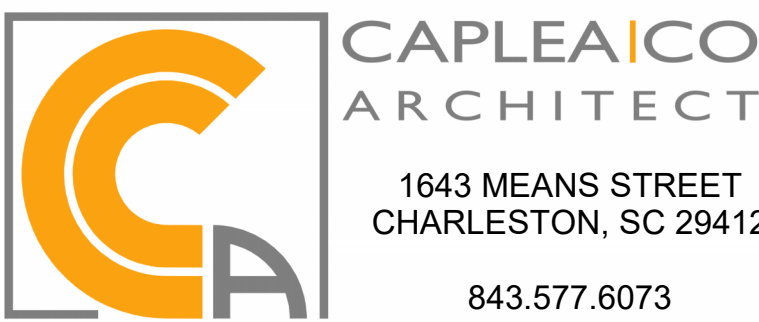
REVISIONS

05/XX/25	2	ADDENDUM #02
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CONTRACT DOCUMENTS

CLARENDON COUNTY
EMERGENCY MANAGEMENT &
911 COMMUNICATIONS
DISPATCH CENTER

PROJECT NUMBER: ITB 2024-006
1091 CAPITAL WAY
MANNING, SC 29102



EXTERIOR ELEVATIONS

SHEET NAME	A202
PROJECT NUMBER	
24001	
DRAWN BY	
Author	
CHECKED BY	Approver
DATE	05.01.2025
SCALE	3/16" = 1'-0"
6/30/2025 3:53:23 PM	

C2 EXTERIOR ELEVATION - EAST
SCALE: 3/16" = 1'-0"

F2 EXTERIOR ELEVATION - WEST
SCALE: 3/16" = 1'-0"