DESIGN & CONSTRUCTION GROUP
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EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 4 TO PROJECT NO. 47463

CONSTRUCTION AND ELECTRICAL
PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS
GROVELAND CORRECTIONAL FACILITY
7000 SONYEA ROAD, ROUTE 36
SONYEA, NY

November 13, 2026

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

ELECTRICAL WORK SPECIFICATIONS

1. SECTION 275111 INTERCOM SYSTEM: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 275111 – 1 thru 275111 – 3) noted "Addendum No. 4".

2. SECTION 281604 MICROWAVE DETECTION SYSTEM: Discard this section bound in the Project Manual in its entirety.

3. SECTION 281605 SENSOR CABLE DETECTION SYSTEM: Add the accompanying Section (pages 281605 -1 thru 281605 – 9) to the Project Manual.

4. SECTION 282305 CCTV SYSTEM: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 282305 – 1 thru 282305 – 7) noted "Addendum No. 4".

ELECTRICAL WORK – APPENDIX

5. SCHEDULE OF SUBMITTALS: Discard the Document bound in the Project Manual and substitute the accompanying Document (pages 1 thru 8) noted "Addendum No. 4."

CONSTRUCTION WORK DRAWINGS

6. Addendum Drawing:
   a. Drawing No. C-505, noted "Addendum #4, dated 11/10/2026," accompanies this Addendum and forms part of the Contract Documents.

ELECTRICAL WORK DRAWINGS

7. Revised Drawings:
   a. Drawing Nos. E-001, E-201, E-502, E-503, and E-504, noted Addendum #4, dated 11/12/2026, accompanies this Addendum and supersedes the same numbered previously issued drawings.

8. Addendum Drawings:
   a. Drawing Nos. E-507 and E-508, noted "Addendum #4, dated 11/12/2026" accompanies this Addendum and forms part of the Contract Documents.

END OF ADDENDUM

Brady Sherlock, P.E.
Director, Division of Design
Design & Construction

SECTION 275111

INTERCOM SYSTEM

PART 1 GENERAL

1.01 SYSTEM DESCRIPTION

A. Engage Convergint Technologies Security Integrators to configure/program/test all Intercom System components.

B. The system shall operate as a zoned, single conversation channel intercom system.

C. A person at the existing Arsenal Axis graphic user camera station interface and/or Guard Tower master station may page each substation separately by pressing a selector switch, then depressing a talk button allowing the person to deliver a verbal message to the selected station.
1. The person may also call the selected station by a tone signal.

D. A person at a sub-station may initiate a call and communicate with a person at the master station by pressing a call button located on the substation. An indication is given if the line is busy. The call is announced on master station by tone and lamp annunciation. A person at the existing Arsenal Axis graphic user camera station interface and/or Guard Tower master station presses a talk button to reply and releases it to listen to the person at the sub-station.

1.02 SUBMITTALS

A. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.

B. Submittal Package: Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package.

C. Shop Drawings:
1. Composite wiring and/or schematic diagrams of the complete system as proposed to be installed (standard diagrams will not be accepted).

D. Product Data:
1. Catalog sheets, specifications and installation instructions.
2. Bill of materials.
3. Detailed description of system operation (format similar to SYSTEM DESCRIPTION).

E. Contract Closeout Submittals:
1. Test Report: System acceptance test report.

2. Certificate: Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.
3. Operation and Maintenance Data:
   a. Deliver two copies, covering the installed products, to the Director's Representative. Include name, address and telephone number of the nearest fully equipped service organization.

1.03 QUALITY ASSURANCE

A. 1. Witness final system test and then certify with an affidavit that the system is installed in accordance with the contract documents and is operating properly.
2. Train facility personnel on the operation and maintenance of the system

1.04 MAINTENANCE

A. Service Availability: A fully equipped service organization shall be available to service the completed Work.

PART 2 PRODUCTS

2.01 INTERCOM SYSTEM

A. Master Station: AXIS Model # I5304 Network Answering Unit, having:
1. 7" LCD Display
2. Touch Panel Control
3. 2-way Duplex audio streaming
4. Built in Speaker
5. IP Based with POE
6. Provide Axis T15601 Surface Wall Mount bracket.
2. Accessories as required to perform functions listed in SYSTEM DESCRIPTION.

B. Substations: AXIS Model # I1304 Network Video Intercom, having:
1. Open interface with IP phone integrations, SIP support
2. IK10 vandal-resistant
3. Camera with 1.95mm, F2. 2 lens with 117 degree vertical field of view
4. Day and night infrared filter
5. IP based with POE
6. Provide Axis T18602 wall mount backbox with conduit adaptor.

2.02 WIRING

A. Conductors: Number of conductors, size and type as recommended by the Company producing the system.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install system in accordance with the Company's printed instructions unless otherwise indicated.

3.02 FIELD QUALITY CONTROL

A. System Acceptance Test:
   1. Make the following tests:
      a. Individually test master station and each sub-station.
      b. Test each system function step by step as summarized under SYSTEM DESCRIPTION.

END OF SECTION

SECTION 281605 - SENSOR CABLE DETECTION SYSTEM

PART 1 - GENERAL

1.1 SYSTEM DESCRIPTION

A. Engage Convergint Technologies Security Integrators to configure/program/test all Sensor Cable Detection System components.

B. The flexzone electronic fence alarm system shall operate as a temporary zoned, automatic, supervised, detection and alarm system to alert security personnel of an attempted breach of the temporary perimeter security fence. The system operation is summarized as follows:

1. Sensor cables and signal processors located on the fence detects intruders attempting to climb over or cut through the fence.
2. The alarm condition from signal processors, gate by-pass units and other alarm sensors are transmitted to the existing Senstar perimeter security alarm server in the Arsenal.
3. The sensor cables and signal processors interpret the signal generated and alert the officer at the existing Senstar perimeter security alarm server in the Arsenal, of the alarm condition. Sound from the workstation is generated by an intrusion attempt and allows the officer at the perimeter security console to distinguish through the audible feature the various sounds of attempted breaching, tampering or trouble conditions.
4. Zone status and gate by-pass status is continuously displayed by indicating lights on the perimeter security console map display.
5. All wiring between alarm sensors, signal processors, s completely supervised.

C. The main components of the perimeter alarm system consist of the following:

1. Armored Sensor Cables
2. Fiber Patrol Processor
3. UltraLink Modules for monitoring Sally-Port Contacts/Locks
4. Existing Senstar Perimeter Alarm System Server
5. Sounds an audible alarm for all alarm, tamper, and trouble conditions within the system.
6. Provides audio monitoring for every sensor cable zone in the system, allowing facility personnel to distinguish various sounds of attempted breaching, tampering, or trouble conditions.

1.2 SUBMITTALS

A. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.

B. Manufacturer’s installation instructions shall be provided along with product data.

C. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).

D. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.

E. Submittals Package: Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package.

F. Shop Drawings:

1. Bill of materials.
2. Wiring and/or schematic diagrams of the complete system as proposed to be installed (standard diagrams will not be accepted).
3. Detailed description of system operation (format similar to SYSTEM DESCRIPTION).

G. Product Data:

1. Catalog sheets, specifications and installation instructions.
2. Name, address and telephone number of nearest fully equipped service organization.

H. Quality Control Submittals:

1. Installers' Qualifications Data: Include the following for each person who will be performing the Work:

    a. Name.
    b. Employers name, business address and telephone number.
    c. Name and address of the required number of similar projects worked on which meet the experience criteria.

2. Company Field Advisor Data: Include:

    a. Name, business address and telephone number of Company Field Advisor secured for the required services.
    b. Certified statement from the Company listing the qualifications of the Company Field Advisor.
    c. Services and each product for which authorization is given by the Company, listed specifically for this project.

I. Contract Closeout Submittals:

1. Test Report: System acceptance test report.
2. Certificate: Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.
3. Operation and Maintenance Data: Deliver 2 copies, covering the installed products, to the Director's Representative. Include name, address, and phone number of nearest fully equipped service organization.

1.3 QUALITY ASSURANCE

A. Installers' Qualifications: The persons installing the Work of this Section and their supervisor shall be personally experienced in security systems and shall have been engaged in the installation of security systems for a minimum of three years.

1. Furnish to the Director the names and addresses of five similar projects which the foregoing people have worked on during the past three years.

B. Company Testing Facility: The Company producing the system shall have test facilities available which can demonstrate that the proposed system meets contract requirements.

C. Equipment Qualifications For Products Other Than Those Specified:

1. At the time of submission provide written notice to the Director of the intent to propose an "or equal" for products other than those specified. Make the "or equal" submission in a timely manner to allow the Director sufficient time to review the proposed product, perform inspections and witness test demonstrations.
2. If products other than those specified are proposed for use furnish the name, address, and telephone numbers of at least 5 comparable installations that can prove the proposed products have performed satisfactorily for 3 years. Certify in writing that the owners of the 5 comparable installations will allow inspection of their installation by the Director's Representative and the Company Field Advisor.

a. Make arrangements with the owners of 2 installations (selected by the Director) for inspection of the installations by the Director's Representative. Also obtain the services of the Company Field Advisor for the proposed products to be present. Notify the Director a minimum of 3 weeks prior to the availability of the installations for the inspection, and provide at least one alternative date for each inspection.
b. Only references from the actual owner or owner's representative (Security Supervisor, Maintenance Supervisor, etc.) will be accepted. References from dealers, system installers or others, who are not the actual owners of the proposed products, are not acceptable.

1) Verify the accuracy of all references submitted prior to submission and certify in writing that the accuracy of the information has been confirmed.

3. The product manufacturer shall have test facilities available that can demonstrate that the proposed products meet the contract requirements.

a. Make arrangements with the test facility for the Director's Representative to witness test demonstrations. Also obtain the services of the Company Field Advisor for the proposed product to be present at the test facility. Notify the Director a minimum of 3 weeks prior to the availability of the test facility, and provide at least one alternative date for the testing.

4. Provide written certification from the manufacturer that the proposed products are compatible for use with all other equipment proposed for use for this system and meet all contract requirements.

D. Company Field Advisor: Secure the services of Company Field Advisor for a combined minimum of 48 hours for the following:

1. Render advice regarding installation and final adjustment of the system.
2. Witness final systems test and certify with an affidavit that the system is installed in accordance with the contract documents and is operating properly.
3. Train facility maintenance personnel in operation and routine maintenance of the system (minimum of 16 hours).
4. Train facility security personnel in operation of the system (minimum four 2 hour sessions).
5. Explain available service programs to facility supervisory personnel.

E. Service Availability: A fully equipped service organization capable of guaranteeing response time within 8 hours to service calls shall be available 24 hours a day, 7 days a week to service the completed system.

1.4 MAINTENANCE

A. Spare Parts:

1. 2 cable splice kits for sensor cable.
2. One set of tools required for making splices.
3. One sensor cable fault locator.
4. Two signal processor circuit cards.
5. Package of 100 cable ties.

PART 2 - PRODUCTS

2.1 FIBER PATROL PROCESSOR (FPP)

A. Operating System: Windows 10 Pro 64-bit.

B. Performs detection processing on two sensor channels, each sensor channel requiring flex zone armored cable. Adjustment of all sensor parameters is done with the built-in configuration GUI.

C. The system shall not require any active devices or processor modules to be installed outdoors.

D. All active components shall be mounted in the Guard Tower base.

E. The system shall provide a slide-out monitor and keyboard that enables local console access to the system.

F. The sensor unit modules shall have a predicted mean time between failures (MTBF) of greater than 87,000 hours.

G. System mass storage will be implemented with a minimum of two field- replaceable solid-state drives in a RAID1 configuration that are installed inside the sensor unit.

H. The sensor unit shall incorporate two redundant field-replaceable power supplies.

I. The sensor unit shall be capable of performing continuous self-diagnostic tests of the internal circuitry, software operation, and cable continuity and be capable of reporting any faults detected.
   1. The sensor unit software shall be field-upgradeable.

J. As manufactured by:
   1. Senstar G6EM0101-001 or approved equal.
   2. Size as required for detection processing required

2.2 ARMORED SENSOR CABLE When used in fence-mounted perimeter intrusion detection applications, the sensor cable shall be affixed to the facility's fence through the use of stainless steel metal cable ties.

A. The sensor cable shall be intrinsically safe within explosive atmospheres.

B. The sensor cables shall be able to operate in temperatures from —40°C to 70°C (—40°F to 158°F) and a relative humidity of 0 to 100% (condensing) without performance degradation.

C. Cable shall be indoor/outdoor rated.

E. As manufactured by Senstar FlexZone Cable- Model # G6FG0200-001 (492ft roll)

with

high density polyethylene jacket in lengths to suit job conditions.

F. FlexZone EIA-422 Communications Card: – Senstar Model # 00BA2000-001

G. FlexZone Input Card: Senstar Model # 00BA2400-001

H FlexZone Termination Kit: Senstar-Model # G6KT0201

J.. FlexZone Cable Splice Kit: Senstar – Model # G6KT0101-001

2.3 STAINLESS STEEL CABLE TIES

A. Cable Ties: for securing the Armored Sensor Cable to the perimeter fence:
   1. Stainless Steel Cable Ties: As manufactured by Senstar Model No.

GH01080 or approved equal:
a. 100-piece bags.

2. Stainless Steel Cable Tie Tool as manufactured by Senstar Model No. GX0310 or approved equal

2.4 SURGE SUPPRESSORS

A. Equip system with surge suppressors to protect equipment from voltage transients and lightning surges.
   1. Surge Protection Units for Data: Ditek Corp.'s DTK-2MHLP-12 Surge Protection Units with Ditek Corp.'s MB10 mounting base.
   2. Surge Protection Units for DC power conductors: Ditek Corp.'s DTK-2MHLP48 Surge Protection Units with Ditek Corp.'s MB10 mounting base.

2.5 SENSTAR ULTRALINK MODULES (GUARD TOWER)

A. SENSTAR UltraLink Processor Module – Model # 00EM1400-001

B. SENSTAR UltraLink Ethernet card – Model # 00BA2200-001

C. SENSTAR UltraLink Dry Contact module – Model # 00EM1500-001

D. SENSTAR Ultralink 1120VAC to 48VDC power supply- Model # GP0151-48 120

E. SENSTAR swing out DIN-RAIL kit– Model # 00MA0100-001

2.6 SENSTAR FIBER PATROL (Existing Fiber Patrol Fiber to be Modified)

F. Senstar Fiber Patrol Termination Kit

G. Senstar Fiber Patrol Splice Kit

2.7 ACCESSORIES

A. Provide all additional materials (conduits, enclosures, fasteners, etc.) as required for installing the system equipment as indicated on the drawings.
B. Pulling Compounds: As recommended by cable manufacturer.
C. Tags: Precision engrave letters and numbers with uniform margins, character size minimum 3/16 inches high.
   1. Phenolic: Two color laminated engraver's stock, 1/16 inch minimum thick ness, machine engraved to expose white inner core color.
   2. Aluminum: Standard aluminum alloy plate stock, minimum .032 inches thick, engraved areas enamel filled or background enameled with natural aluminum

engraved characters.

D. Markers:

1. Heat shrink labels as manufactured by Brady IDXPERT or approved equal.
   a) Compliant with RoHS standards.
   b) Black ink on white.

2.10 TAGS AND NAMEPLATES

H. Tags: Premarked self-adhesive; W.H. Brady Co.'s B940, Thomas and Betts Co.'s E-Z Code WSL self-laminating, Ideal Industries' Mylar/Cloth wire markers, or Markwick Corp.'s permanent wire markers.

I. Nameplates: Phenolic engraved plates; minimum 3/4 inch wide and length as required by inscription as manufactured by Seton Nameplate Corp.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install electronic fence alarm system in accordance with the Company's printed instructions and interconnect with perimeter security multiplex system (Section 281603) for a complete integrated system.

B. Install sensor cable on fence as shown on drawings with cable ties spaced at maximum of 12 inches on center.

C. Make all cable connections, terminations and splices in fence alarm stations.

D. Tag conductors at terminal strips (designations shall correspond with point to point wiring diagrams).

3.2 FIELD QUALITY CONTROL

A. Sensor Cable Test: Perform a visual inspection of the fence mounted sensor cable to verify proper cable installation free of abrasions and breaks in the outside jacket. Also perform the following continuity/resistance tests with an ohmmeter capable of reading 1 megohm + 25 percent.

1. Test continuity/resistance between center conductor and shield of sensor cable and record readings. Normal reading shall be 950k to 1.0 megohm.
2. Test continuity/resistance between shield of sensor cable and fence. Normal reading shall be infinite or maximum resistance of the meter.

B. Preliminary System Test:

1. Preparation: Have the Company Field Advisor adjust the completed system and then operate it long enough to assure that it is operating properly.

2. Run a preliminary test for the purpose of:

    a. Determining whether the system is in a suitable condition to conduct an acceptance test.
    b. Training Facility Personnel.
    c. Checking and adjusting equipment.

C. System Acceptance Test:

1. Preparation: Notify the Director's Representative at least three working days prior to the tests so that arrangements can be made to have a Facility Representative witness the tests.
2. Make the following tests as an integral test required for Section 281603:

    a. Test each system function step by step as summarized under SYSTEM DESCRIPTION.
    b. Perform simulated escape attempts listed below at 10 foot intervals unless otherwise directed (Director's Representative shall select exact location and type of escape attempt or combination of attempts). Each penetration of the sensor system shall produce an alarm. If it does not, wait 30 seconds and repeat in the same location. If misses are repeated in the same location, the entire zone must be corrected and retested. The simulated escape attempts shall be performed by a person weighing 100 lbs or more. Provide safety equipment and take proper precautions when performing tests. Terminate each test climb at detection or when the climb is complete, whichever comes first.

        1) Fast Climb Over: Approach and make contact with the fence and rapidly scale the fabric until the top is reached. At this point, either jump down or climb down the opposite side of the fence. Typical elapsed time for this intrusion against an 8 foot high, 3 strand barb wire topped chain link fence is 4-8 seconds.
        2) Slow/Stealthy Climb Over: Approach and make contact with the fence and slowly, deliberately, and stealthfully climb to the top of the fence, carefully negotiate the barb wire and climb down the opposite side of the fence. Typical elapsed time for this intrusion against an 8 foot high, 3 strand barb wire topped chain link fence is 10-20 seconds.
        3) Cut Through: At a minimum of one location in each zone, securely attach or tightly weave a 2 x 2 foot square sample of fence fabric to the lower portion of the fence. Sample fabric shall be identical to existing fence fabric. Cut sample fabric and note number of cuts and time to alarm (Do not damage fence). Typical elapsed time is 20 seconds. Remove sample fabric.

    c. Perform the following tests to show that the system will not alarm from the following stimuli:

        1) A person weighting 100 to 200 lbs. walking at 3 mph within 10 feet of the protected fence.
        2) A person on horseback riding at 3 mph within 15 feet of protected fence.

3. Supply all equipment necessary for system adjustment and testing.

4. Submit written report of test results signed by Company Field Advisor and the Director's Representative. Mount a copy of the final report in a plexiglass enclosed frame assembly adjacent to the control panel.

D. System Testing and Adjusting During Guarantee Period:

1. After satisfactory completion of acceptance test, Facility personnel will investigate and record all system alarms. If the system does not meet the following criteria it shall be considered defective under the terms of paragraph 9.8 of the General Conditions:

   a. False alarms that are internally generated within the system shall not exceed 1 per 100 hrs.
   b. False alarms caused by the following weather conditions shall not exceed 1 per zone per 48 hours:

      1) Wind up to 30 mph.
      2) Rain up to 3 inches per hour.
      3) Snow up to 5 inches per hour.

2. Within one week of notification that any zone does not meet the above criteria, make arrangements for the Company Field Advisor to correct the zone and retest in accordance with 3.02 C.2. b. & c.

END OF SECTION 281605

SECTION 282305

CCTV SYSTEM

PART 1 GENERAL

1.01 DESCRIPTION OF COMPLETED SYSTEM

A. Engage Convergint Technologies Security Integrators to configure/program/test all CCTV System components.

B. Following the installation and testing of the Tower/Chute camera system shall integrate into the existing AXIS VMS via a new AXIS camera client/workstation in the Guard Tower.

1. All new cameras shall be associated with the existing AXIS VMS and also displayed in the Guard Tower from AXIS client/workstation monitor.

1.02 SUBMITTALS

A. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.

B. Submittals Package: Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package.

C. Shop Drawings:
1. Composite wiring and/or schematic diagrams of the complete systems proposed to be installed (standard diagrams will not be accepted), including video signal integrity equipment, etc. required for a complete system.
2. Scale drawings showing mounting of camera station components.
3. Details of camera station bases.

D. Product Data:
1. Catalog sheets, specifications and installation instructions.
2. Bill of materials.
3. Detailed description of system operation (format similar to SYSTEM DESCRIPTION).
4. State number of video inputs and outputs used specifically for this project and number of video inputs and outputs available for future use if system is expanded to maximum capacity.
5. Name, address and telephone number of nearest fully equipped service organization.

E. Quality Control Submittals:
1. Copy of license for installing Security Systems.

a. Also include copy of identification card issued by the Licensee for each person who will be performing the work.

2. Installers Qualifications Data: Include the following for each person who will be performing the Work:
   a. Name.
   b. Employers name, business address and telephone number.
   c. Name and addresses of the required number of similar projects worked on which meet the experience criteria.

F. Contract Closeout Submittals:
   1. Archived video recordings (scenes).
   2. System acceptance test report.
   3. Certificate: Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.
   4. Operation and Maintenance Data:
      a. Deliver 2 copies, covering the installed products, to the Director's Representative. Include:
         1) Operation and maintenance data for each product.
         2) Complete point to point wiring diagrams of entire system as installed. Identify all conductors and show all terminations and splices. (Identification shall correspond to markers installed on each conductor.)

1.03 QUALITY ASSURANCE

A. Equipment Qualifications for Products Other Than Those Specified:
   1. At the time of submission provide written notice to the Director of the intent to propose an "or equal" for products other than those specified. Make the "or equal" submission in a timely manner to allow the Director sufficient time to review the proposed product, perform inspections and witness test demonstrations.
   2. If products other than those specified are proposed for use furnish the name, address, and telephone numbers of at least 5 comparable installations that can prove the proposed products have performed satisfactorily for 3 years. Certify in writing that the owners of the 5 comparable installations will allow inspection of their installation by the Director's Representative and the Company Field Advisor.
      a. Make arrangements with the owners of 2 installations (selected by the Director) for inspection of the installations by the Director's Representative.
      b. Only references from the actual owner or owner's representative (Security Supervisor, Maintenance Supervisor, etc.) will be accepted. References from dealers, system installers or others, who are not the actual owners of the proposed products, are not acceptable.
         1) Verify the accuracy of all references submitted prior to submission and certify in writing that the accuracy of the information has been confirmed.

B. Installers' Qualifications: The persons installing the Work of this Section and their supervisor shall be personally experienced in closed circuit television systems and shall have been engaged in the installation of closed circuit television systems for a minimum of 3 years.
   1. Furnish to the Director the names and addresses of 5 similar projects which the foregoing people have worked on during the past 3 years.

C. Test Facility: The Company producing the system shall have test facilities available which can demonstrate that the proposed system meets contract requirements.

1.04 DELIVERY, STORAGE AND HANDLING

A. Storing Cameras: Do not store cameras in below 60^ Fahrenheit for extended periods.

B. Spare parts:
   a. Furnish (1) of each type of camera for spare parts.

1.05 MAINTENANCE

A. Service Availability: A fully equipped service organization capable of guaranteeing response time within 8 hours to service calls shall be available 24 hours a day, 7 days a week to service the completed system.

PART 2 PRODUCTS

2.01 NETWORK NVR/POE SWITCH

A. NVR/POE Ethernet switch, having:
   1. Minimum 28 ports of PoE+ without an external power supply.
   2. Switching solution with 10GbE uplinks for advanced distribution.
   3. Compliance for operation in environments up to 113 degrees Fahrenheit.
   4. 24x RJ45 10/100/1000Mb PoE+ (up to 30.8W) auto sensing ports and (4) 10G SFP ports.
   5. Provide D-Link Model # DSS-200G-28MPP with Fiber SFP Model # DEM-432-XT

B. AXIS Camera Client Workstation, having:
   1. Support for up to (2) 4K monitors
   2. Minimum 4 split screens at 1080p @ 30 fps
   3. 16 GM memory with high speed playback
   4. 2x USB and 2x Display ports
   5. Provide Axis Model # Camera Station S9301 Mk Workstation with Camera Station Pro software and required licenses

2.02 CAMERA STATIONS

A. (Outdoor Dome):
   1. Dome Camera having:
      a. POE++ (50W) with external 12VDC and 24VAC power source
      b. 11520 x 2160 resolution
      c. H.264 Multi-Stream with 64 Privacy Zones and Alarm in, alarm out I/O and audio input
      d. 4K, 4MP (Per Image Sensor)
      e. Axis Model # Q3536-LVE (9mm) with surface mount backbox and required license.

B. (Outdoor Bullet):
   1. Dome Camera having:
      a. POE++ (51W) with external 12VDC and 24VAC power source
      b. 2160 x 1512 resolution
      c. H.264 Multi-Stream with 64 Privacy Zones and Alarm in, alarm out I/O and audio input
      d. 1/1.88" progressive scan RGB CMOS
      e. AXIS Object Analytics and AXIS Zipstream technology
      f. Axis Model # Q1808-LE (4.3-137 mm varifocal lens) with surface mount backbox and required license.

2.03 DISPLAY MONITOR

A. LED Display
   1. American Dynamics ADLCD20GBHD (20")) having:
      a. Narrow Bezel with Integrated Speakers
      b. 1920x1080 resolution (minimum)
      c. 16:9 widescreen resolution
      d. Native display of full HD video sources
      e. HDMI and DSP Inputs
      f. 75 x 75 & 100 x 100mm Star VESA plate compatible with fully articulating wall monitor mount

2.04 MONITOR MOUNT

A. LCD Display Mount:
   1. Eaton/TrippLite Model # DEM1327SE (13" to 27") having:
      a. Full motion articulating swivel arm
      b. Support up to 33 lbs.
      c. Alloy Steel with black finish

d. compatible VESA mounting hardware to accommodate display monitor

2.05 NETWORK SECURITY CABINET

A. Network Wall Cabinet

1. 12RU of 19”
2. Houses Equipment up to 24” Deep
3. 400lb Load Capacity
4. Vented sides and vented Front Door with lock
5. Key Lock and Hinged back
6. Eaton-Tripp Lite Smart Rack Model # SRW12USDP

2.06 SURGE SUPPRESSORS

A. Equip outdoor camera/intercom stations with surge suppressors to protect equipment from voltage transients and lightning surges (suitable for use with Cat6 wiring as required).

1. Surge Protection having:
   a. Hybrid design utilizing SAD and GDT technologies for optimal protection
   b. Supports data speeds up to 10GbE without signal degradation
   c. (16) RJ45 female connections with external grounding screw
   d. Complies with all IEEE Power over Ethernet standards
   e. Rack mountable in 19” rack
   f. DITEK Model # DTK-RM16C5

2.07 WIRING

A. Network Cables:

(Light Blue in color for Video Surveillance System devices)

1. Factory connectorized Category 6 (CAT 6) network cable:

a. Shall be capable of supporting 10 Gigabit Ethernet communications.

b. Connectors shall have a strain relief boot.

c. Lengths as required for connections within the Tower.

2. Field assembled Category 6 (CAT 6) network cable:

a. PAIGE Game Changer model 258310333 Category 6 cable (color code: white)

1) Shall be capable of supporting 10 Gigabit Ethernet communications over 500’ (feet).

PART 3 EXECUTION

3.01 INSTALLATION

A. Install digital camera system in accordance with the Company’s printed instructions unless otherwise indicated.

B. Connections: Make connections and splices at camera stations, CCTV interconnection cabinets. Connections or splices will not be allowed at any other location in the system.
   1. Use markers to identify conductors at terminal strips, cabinet and pullboxes (designations shall correspond with point to point wiring diagrams).

C. Surge Suppressors: Install surge suppressors on each conductor entering and leaving console from outdoor camera stations.

D. Nameplates:
   1. Install nameplate with camera station designation:
      a. For wall and ceiling mounted camera stations, install nameplate on camera station.
      b. For pole mounted camera stations, install nameplate on pole.
      c. For dedicated monitors, install nameplate over monitor.
   2. Install nameplate with monitor designation over each monitor.

E. CAT 6 Camera Cabling: Utilize standard Cat6 for runs up to 250 ft, Game Changer Cat6 for runs over 250 ft

3.02 FIELD QUALITY CONTROL

A. Cable Test: Electronically test coaxial cables under supervision of Company Field Advisor.

B. Preliminary System Test:
   1. Preparation: Have the Company Field Advisor adjust the completed system and then operate it long enough to assure that it is performing properly:
      a. Make adjustments for clear, sharp, distortion free scenes and roll-free vertical interval switching to the satisfaction of the Director’s Representative.
      b. Aim fixed lens cameras as directed by Director’s Representative.

1) If lens installed on camera does not adequately cover the area to be viewed by that camera, replace with a camera and lens with a more suitable focal length at no additional cost.

c. Program system, including preposition programming of each

C. System Acceptance Test:

1. Preparation: Notify the Director's Representative at least 3 working days prior to the test so arrangements can be made to have a Facility Representative witness the test.
2. Make the following tests:
   a. Test each system function step by step as summarized under SYSTEM DESCRIPTION.
   b. Demonstrate that:
      1) Each camera station provides sharp, clear, distortion free scenes on the associated monitors for the lighting conditions.
      2) Each outdoor camera station operates through a full range of lighting conditions including low lighting levels. A portion of this test must be performed at night.
      4) Each camera operates through the full range of zoom lens.
      5) Each camera housing operates through the full range of its pan and tilt capabilities.
      6) Outdoor camera station mountings are stable in wind conditions at the site.
3. Supply equipment necessary for system adjustment and testing.

3.03 TRAINING

B. Training sessions shall cover all aspects of system performance, including system architecture.

END OF SECTION

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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The Governor Nelson A. Rockefeller Empire State Plaza
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SCHEDULE OF SUBMITTALS

PROJECT NO.: 47463-E (Updated with Addendum 3 and 4_111226)

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
230593			**TESTING AND BALANCING OF SYSTEMS**					
230593	**2.2**	**QCS**	Testing, Adjustment and Balancing Reports: Air Systems	D				
230593	**2.2**	**QCS**	Testing, Adjustment and Balancing Reports: Final testing and balancing results	D				
230900			**INSTRUMENTATION AND CONTROL OF HVAC**					
230900	**3**	**PACK**	Submit the manufacturer's installation instructions, product data, and quality control submittal specified below at the same time as a package	D				
233113			**METAL DUCTWORK**					
233113	**1.3**	**SD**	Coordinate shop drawings with related contracts prior to submission	D				
233113	**2.1**	**PD**	Sheet Metal - Aluminum	D				
233113	**2.1**	**PD**	Duct Hangers	D				
233113	**2.1**	**PD**	Attachments	D				
233113	**2.1**	**PD**	Gage	D				
233113	**2.1**	**PD**	Type of Joints	D				
233113	**2.1**	**PD**	Sealing Material	D				
233113	**2.1**	**PD**	Reinforcement for each duct size range	D				
233113	**3**	**PD**	Sketches or SMACNA plate numbers for joints, method of fabrication and reinforcing	D				
233300			**AIR DUCT ACCESSORIES**					
233300	**1.3**	**PD**	SMACNA Figure Numbers for each shop fabricated item.	D				
233300	**2.1**	**PD**	Control Dampers	D				
233300	**2.1**	**PD**	Damper Actuators	D				
233300	**2.1**	**PD**	Sealant	D				
233300	**2.1**	**PD**	Security Fasteners	D				
233300	**2.1**	**PD**	Security Bars	D				
233400			**HVAC FANS**					
233400	**1.3**	**PACK**	Submit the product data specified below for motors, fans, and environmental all at the same time as a package	D				
233400	**2.1**	**PD**	Motors: Catalog sheets, specifications and installation instructions	D				
233400	**2.1**	**PD**	Motors: Data proving that voltage rating of each motor is in accordance with specified NEMA standard motor voltage	D				
233400	**2.1**	**PD**	Motors: Data proving that the service factor and temperature rise for the motor's insulation system conforms to NEMA standards for each motor's specific application.	D				
233400	**2.1**	**PD**	Fans: Catalog sheets, performance charts, standard schematic drawings, specifications and installation instructions	D				

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Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
233400	3	PD	Environmental: Data proving that the products proposed for the Work of this Section are suitable for the Project Conditions	D				
235415			ELECTRIC HEATERS [Cabinet Type]					
235415	2.1	PD	Electric Heaters	D				
235415	3	CCS	Operation and Maintenance Data - 2 copies	F				
260501			BASIC ELECTRICAL MATERIALS AND METHODS					
260501	2.1	PD	Intermediate Ferrous Metal Conduit	D				
260501	2.1	PD	Electrical Metallic Tubing	D				
260501	2.1	PD	Flexible Metal Conduit	D				
260501	2.1	PD	Liquid-tight Flexible Metal Conduit	D				
260501	2.1	PD	Insulated Bushings, Plastic Bushings, and Insulated Grounding Bushings	D				
260501	2.1	PD	Connectors and Couplings	D				
260501	2.1	PD	Conduit Bodies (Threaded)	D				
260501	2.1	PD	Expansion Fittings	D				
260501	2.1	PD	Sealing Fittings	D				
260501	2.1	PD	Sealant for Raceways Exposed to Different Temperatures	D				
260501	2.1	PD	Vertical Conductor Supports	D				
260501	2.1	PD	Galvanized Steel Outlet Boxes	D				
260501	2.1	PD	Galvanized Steel Junction and Pull Boxes	D				
260501	2.1	PD	Threaded Type Boxes	D				
260501	2.1	PD	Specific Purpose Outlet Boxes	D				
260501	2.1	PD	Outlet Boxes and Related Products for Fire Rated Construction:	D				
260501	2.1	PD	Conductors and Accessories	D				
260501	2.1	PD	Wiring Devices	D				
260501	2.1	PD	Supporting Devices	D				
260501	2.1	PD	Grounding and Bonding	D				
260501		EPD	Environmental Product Declaration					
260505			WIRING FOR GATE SYSTEMS					
260505	1.3	PACK	Submit the product data and the shop drawings specified below all at the same time as a package	D				
260505	1.3	SD	Show switches, controls, motors, and other electrical components	D				
260505	2.1	PD	Flexible Metal Conduit	D				
260505	2.1	PD	Liquid-tight Flexible Metal Conduit	D				
260505	2.1	PD	Insulated Bushing	D				
260505	2.1	PD	Connectors and Couplings	D				
260505	2.1	PD	Conduit Bodies (Threaded)	D				
260505	2.1	PD	Expansion Fittings	D				
260505	2.1	PD	Galvanized Steel Boxes For Concealed Work	D				
260505	2.1	PD	Galvanized Steel Junction and Pull Boxes For Exposed Work	D				
260505	2.1	PD	Threaded Type Boxes for Exposed Work	D				
260505	2.1	PD	Specific Purpose Outlet Boxes	D				
260505	2.1	PD	Conductors (600 Volts and Under)	D				
260505	2.1	PD	Supporting Devices	D				

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SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
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260519			**WIRING, GENERAL - 600 VOLTS AND UNDER**					
260519	**1.3**	**SD**	For Electrical Circuit Protective Systems: Show proposed routes and installation details (include UL classification data, listing, and system number)	D				
260519	**2.1**	**PD**	Insulated Conductors and Cables	D				
260519	**2.1**	**PD**	Electrical Circuit Protective System	D				
260519	**2.1**	**PD**	Connectors	D				
260519	**2.1**	**PD**	Tapes	D				
260519	**2.1**	**PD**	Wire Pulling Compounds	D				
260519	**2.1**	**PD**	Tags	D				
260519	**2.1**	**PD**	Wire Management Products	D				
260526			**SERVICE GROUNDING AND BONDING**					
260526	**2.1**	**PD**	Ground Clamps (Cable to Pipe)	D				
260526	**2.1**	**PD**	Ground Clamps (Cable to Rod)	D				
260526	**2.1**	**PD**	Ground Lugs	D				
260526	**2.1**	**PD**	Exothermic Type Weld	D				
260526	**2.1**	**PD**	Compression Connectors	D				
260526	**2.1**	**PD**	Rod Electrodes	D				
260526	**2.1**	**PD**	Plate Electrodes	D				
260526	**2.1**	**PD**	Grounding Electrode Conductors and Bonding Conductors	D				
260526	**2.1**	**PD**	Hardware	D				
260529			**FASTENERS, ATTACHMENTS, AND SUPPORTING DEVICES**					
260529	**1.3**	**SD**	Show support details if different from methods specified or shown on the drawings.	D				
260529	**2.1**	**PD**	Wedge Anchors	D				
260529	**2.1**	**PD**	Stud Anchors	D				
260529	**2.1**	**PD**	Continuous Slotted Type Concrete Insert, Galvanized	D				
260529	**2.1**	**PD**	Threaded Type Concrete Insert	D				
260529	**2.1**	**PD**	Wedge Type Concrete Insert	D				
260529	**2.1**	**PD**	Standard Nuts and Bolts	D				
260529	**2.1**	**PD**	Channel Support System	D				
260529	**2.1**	**PD**	Side Beam Fittings	D				
260529	**2.1**	**PD**	Pipe Straps	D				
260529	**2.1**	**PD**	Fixture Stud and Strap	D				
260529	**2.1**	**PD**	Supporting Fittings for Pendent Mounted Industrial Type Fluorescent Fixtures on Exposed Conduit System	D				
260531			**EXPOSED CONDUIT - WET LOCATIONS**					
260531	**2.1**	**PD**	Rigid Ferrous Metal Conduit	D				
260531	**2.1**	**PD**	Liquid-tight Flexible Metal Conduit	D				
260531	**2.1**	**PD**	Connectors and Couplings - Watertight Conduit Hubs	D				
260531	**2.1**	**PD**	Connectors and Couplings - Liquid-tight Flexible Metal Conduit Connectors	D				
260531	**2.1**	**PD**	Conduit Bodies (Threaded)	D				
260531	**2.1**	**PD**	Sealing Fittings - Horizontal	D				
260531	**2.1**	**PD**	Sealing Fittings - Vertical with Drain	D				

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260531	**2.1**	**PD**	Sealing Fittings - Other Type Fittings	D				
260531	**2.1**	**PD**	Service Entrance Caps/Heads	D				
260531	**2.1**	**PD**	Vertical Conductor Supports	D				
260531	**2.1**	**PD**	Conduit Clamps and Back Spacers	D				
260531		**EPD**	Environmental Product Declaration					
260532			**INTERIOR RACEWAYS, FITTINGS, AND ACCESSORIES**					
260532	**2.1**	**PD**	Intermediate Ferrous Metal Conduit	D				
260532	**2.1**	**PD**	Electrical Metallic Tubing	D				
260532	**2.1**	**PD**	Flexible Metal Conduit	D				
260532	**2.1**	**PD**	Liquid-tight Flexible Metal Conduit	D				
260532	**2.1**	**PD**	Multioutlet Assembly, Fittings and Accessories	D				
260532	**2.1**	**PD**	Wireways, Fittings and Accessories	D				
260532	**2.1**	**PD**	Plastic Coated Rigid Metal Conduit, Fittings, and Accessories	D				
260532	**2.1**	**PD**	Chrome Plated Conduit and Fittings	D				
260532	**2.1**	**PD**	Insulated Bushings	D				
260532	**2.1**	**PD**	Plastic Bushings for 1/2 and 3/4 Inch Conduit	D				
260532	**2.1**	**PD**	Insulated Grounding Bushings	D				
260532	**2.1**	**PD**	Connectors and Couplings	D				
260532	**2.1**	**PD**	Conduit Bodies (Threaded)	D				
260532	**2.1**	**PD**	Hazardous Location Fittings	D				
260532	**2.1**	**PD**	Vertical Conductor Supports	D				
260532	**2.1**	**PD**	Pulling-In-Line For Installation in Spare and Empty Raceways	D				
260532		**EPD**	Environmental Product Declaration					
260534			**OUTLET, JUNCTION, AND PULL BOXES**					
260534	**2.1**	**PD**	Galvanized Steel Outlet Boxes	D				
260534	**2.1**	**PD**	Galvanized Steel Junctions and Pull Boxes	D				
260534	**2.1**	**PD**	Threaded Type Boxes	D				
260534	**2.1**	**PD**	Finishing Collar	D				
260534	**2.1**	**PD**	Combination Finishing Collar/Outlet Box	D				
260543			**UNDERGROUND CONDUIT SYSTEM**					
260543	**2.1**	**PD**	Conduit Spacers and Levelers	D				
260543	**2.1**	**PD**	Duct Seal	D				
260543	**2.1**	**PD**	Drag Line	D				
260543	**2.1**	**PD**	Thru Wall Sealing Bushings	D				
260543	**2.1**	**PD**	End Bells	D				
260543	**2.1**	**PD**	Insulated Grounding Bushings	D				
260543		**EPD**	Environmental Product Declaration					
262416			**PANELBOARDS**					
262416		**PACK**	Submit the shop drawings, product data, and the quality control submittals specified below at the same time as a package.	D				
262416		**SD**	Cabinet and gutter size.	D				
262416		**SD**	Voltage and current rating	D				

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Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
262416	2.1	SD	Panelboard short circuit rating: Indicate if rating is Fully Rated Equipment Rating, or where acceptable, UL listed Integrated Equipment Short Circuit Rating	D				
262416	2.1	SD	Circuit breaker enumeration (frame, ATE, poles, I.C.)	D				
262416	2.1	SD	When indicated on the panelboard schedule, a coordinated selective scheme between the main circuit breaker and branch/feeder circuit breakers so that under fault conditions the branch/feeder circuit breaker clears the fault while the main circuit breaker remains closed.	D				
262416	2.1	SD	Accessories.	D				
262416	2.1	PD	Panelboards	D				
262416	2.1	PD	Nameplates	D				
262416	1.2	QCS	List of Completed Installations					
262416	1.2	CCS	System acceptance test report	F				
262416	1.2	CCS	Certificate: Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.	F				
262416	1.2	CCS	Operation and Maintenance Data: Deliver 2 copies	F				
262726			WIRING DEVICES					
262726	2.1	PD	Local Switches, Single Pole	D				
262726	2.1	PD	Local Switches, Four-Way	D				
262813			FUSES					
262813	2.1	PD	Fuses Rated 600V or Less	D				
262813	1.2	CCS	Spare Parts: Six spare fuses of each size and category, including any accessories required for a complete installation.	F				
263354			UNINTERRUPTIBLE POWER SUPPLY SYSTEM					
263354	1.2	Pack	Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package	D				
263354	1.2	SD	Wiring and/or schematic diagram of the complete system as proposed to be installed (standard diagrams will not be accepted).	D				
263354	1.2	PD	Company's data indicating volt-amp rating with proof that the unit will meet the final system test.	D				
263354	1.2	PD	Name, address and telephone number of nearest fully equipped service organization.	D				
263354	2.2	PD	Uninterruptivle Power Supply System	D				
263354	2.2	QCS	Battery Purchase Data					
263354	1.2	CCS	Test Report	F				
263354	1.2	CCS	Certificate: Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly	F				
263354	1.2	CCS	Battery Manufacture Certified Date	F				
263354	1.2	CCS	Operation and Maintenance Data: Deliver 2 copies	F				
263354	1.2	CCS	Spare Parts: 1 spare of each type fuse	F				
265110			LED FIXTURES					

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265110	1.2	PD	Technical information for each fixture that proves that its ballast meets specified requirements. Include data which proves proposed lamp and ballast combinations do not exceed specified total harmonic distortion	D				
265110	2.2	PD	Type L-1	D				
265110	2.2	PD	Type L-2	D				
265110	1.2	SAM	One of each product if requested	D				
265110	2.2	CCS	Special Tools: Two tools to remove and install each type and size of fasteners on fixtures equipped with vandal resistant fasteners	F				
271524			**Optical Fiber Cables CCTV (ADDENDUM 3_ 11/10/26)**					
271524	2.1	PACK	Submit the product data, samples, and quality control submittals specified below at the same time as a package.	D				
271524	2.1	PD	Nonconductive Optical Fiber Cables - 50 Micron/125 Micron (Core/Clad)	D				
271524	2.1	PD	Cable Breakout and Splitter Kits	D				
271524	2.1	PD	Connectors	D				
271524	2.1	PD	Optical Fiber Termination Rack (OFTR)	D				
271524	2.1	PD	Connectorized Optical Fiber Jumper Cables	D				
271524	2.1	PD	Accessories	D				
271524	2.1	SAM	One sample of each connector proposed for use.	D				
271524	2.1	SAM	One sample of each breakout and splitter kit proposed for use.	D				
271524	1.4	QCS	Cable Installer's Qualifications Data: Name of each person who will be performing the Work and their employer's name, business address and telephone number.	D				
271524	1.4	QCS	Cable Installer's Qualifications Data: Name and addresses of the required number of similar projects worked on which meet the experience criteria.	D				
271524	1.4	QCS	Company Field Advisor Qualifications: Certified statement from the Company listing the qualifications of the Company Field Advisor.	D				
271524	1.4	QCS	Cable Splicer's Qualifications Data: Name of each person who will be performing the Work and their employer's name, business address and telephone number.	D				
271524	1.4	QCS	Cable Splicer's Qualifications Data: All information required showing that the experience criteria have been met.	D				
271524	3.3	CCS	Post installation test report.	F				
275111			**INTERCOM SYSTEM (ADDENDUM 4_ 11/12/26)**					
275111	1.2	PACK	Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package	D				
275111	1.2	SD	Composite wiring and/or schematic diagrams of the complete system as proposed to be installed (standard diagrams will not be accepted).	D				
275111	2	PD	Bill of materials	D				
275111	1.2	PD	Detailed description of system operation (format similar to SYSTEM DESCRIPTION).	D				
275111	1.2	PD	Name, address and telephone number of nearest fully equipped service organization	F				
275111	2.2	PD	Intercom Master Station	D				

SCHEDULE OF SUBMITTALS

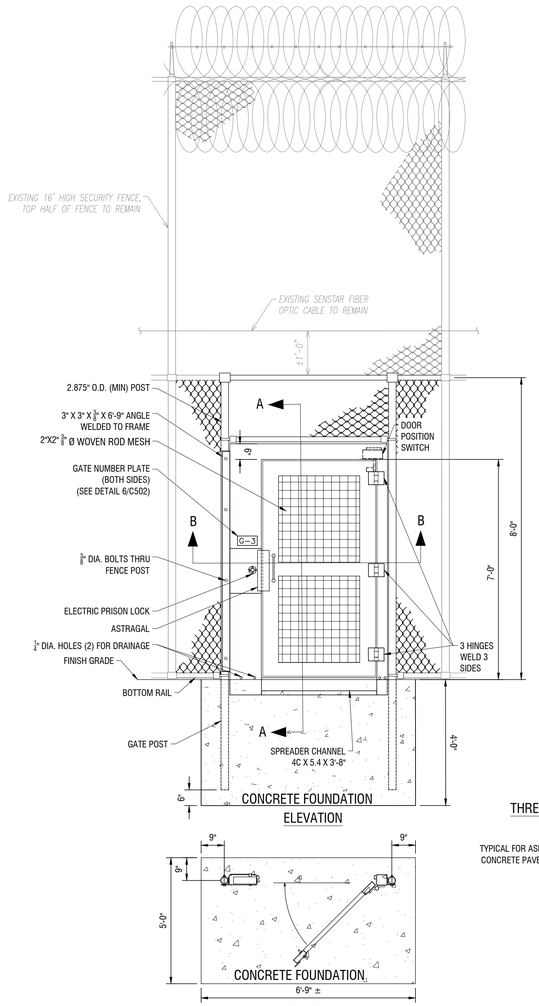
PROJECT NO.: 47463-E (Updated with Addendum 3 and 4_111226)

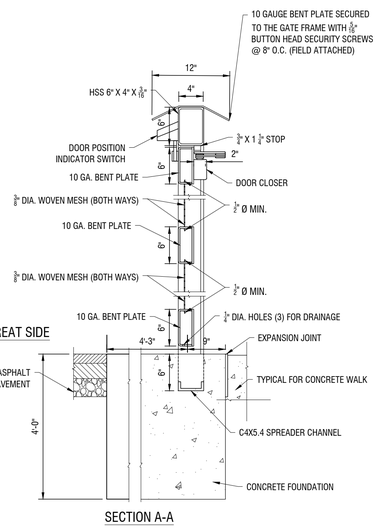
SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
275111	**2.2**	**PD**	Intercom Substations - Type A	D				
275111	**2.2**	**PD**	Conductors	D				
275111	**1.2**	**CCS**	Test Report: System acceptance test report	F				
275111	**1.2**	**CCS**	Certificate: Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly	F				
275111	**1.2**	**CCS**	Operation and Maintenance Data: Deliver 2 copies	F				
281604			**MICROWAVE DETECTION SYSTEM (ADDENDUM 4_ 11/12/26)**					
			SECTION DELETED FROM PROJECT ON 11/12/26					
281605			**SENSOR CABLE DETECTION SYSTEM**					
281605	**1.2**	**PACK**	Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package	D				
281605	**1.2**	**SD**	Bill of materials	D				
281605	**1.2**	**SD**	Wiring and/or schematic diagrams of the complete system as proposed to be installed (standard diagrams will not be accepted).	D				
281605	**1.2**	**SD**	Detailed description of system operation (format similar to SYSTEM DESCRIPTION).	D				
281605	**1.2**	**PD**	Name, address and telephone number of nearest fully equipped service organization.	D				
281605	**2.1**	**PD**	Flexzone Processors	D				
281605	**2.1**	**PD**	Flexzone Armored Sensor Cable	D				
281605	**2.1**	**PD**	Flexzone Power Supply	D				
281605	**2.1**	**PD**	Flexzone Accessories	D				
281605	**2.1**	**PD**	Ultralink Processor	D				
281605	**2.1**	**PD**	Ultralink Ethernet Card	D				
281605	**2.1**	**PD**	Ultralink I/O Module	D				
281605	**2.1**	**PD**	Ultralink Power Supply	D				
281605	**2.1**	**PD**	Ultralink Din-Rail Kit	D				
281605	**2.1**	**PD**	Fiber Patrol termination kit	D				
281605	**2.1**	**PD**	Fiber Patrol splice kit	D				
281605	**2.1**	**PD**	Accessories	D				
281605	**2.1**	**PD**	Interconnection Cable: Type MCG	D				
281605	**2.1**	**PD**	Tags	D				
281605	**2.1**	**PD**	Nameplates	D				
281605	**1.3**	**QCS**	Installers' Qualifications Data	D				
281605	**1.3**	**QCS**	Company Field Advisor Data	D				
281605	**3.2**	**CCS**	Test Report: System acceptance test report	F				
281605	**1.3**	**CCS**	Certificate: Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly	F				
281605		**CCS**	Operation and Maintenance Data: Deliver 2 copies	F				
281605	**1.4**	**CCS**	Spare Parts: 2 cable splice kits for sensor cable	F				
281605	**1.4**	**CCS**	Spare Parts: Package of 100 cable ties	F				
281605	**1.4**	**CCS**	Tool for making splices					
281605	**3.2**	**QCS**	Manufacturers Warranty	F				
282305			**CCTV SYSTEM (ADDENDUM 4_ 11/12/26)**					

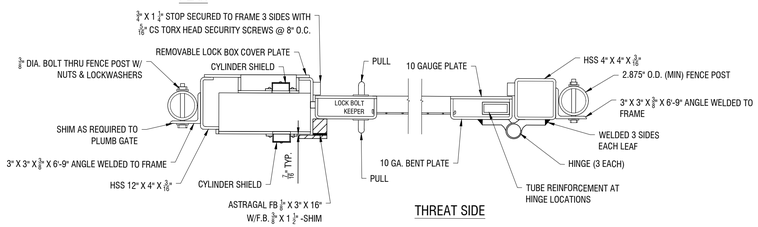
SCHEDULE OF SUBMITTALS

PROJECT NO.: 47463-E (Updated with Addendum 3 and 4_111226)

SUBMITTALS FOR APPROVAL				Send to: F / F/O / D / S	Critical Submittals: Mark "X" for all that apply	Contractor's Projected Dates (Allow at least 4 weeks for Approval (allows time for any resubmission))		
Spec Section	Sub Section	Type	Description			Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
282305	**1.4**	**PACK**	Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package	D				
282305	**1.4**	**SD**	Composite wiring and/or schematic diagrams of the complete system as proposed to be installed (standard diagrams will not be accepted), including interface equipment, video signal integrity equipment, etc. required for a complete system	D				
282305	**1.4**	**SD**	Scale drawings showing mounting of camera station components	D				
282305	**1.4**	**SD**	Scale drawings of console showing location and mounting of components	D				
282305	**2.2**	**PD**	Bill of Materials	D				
282305	**2.2**	**PD**	Detailed description of system operation (format similar to SYSTEM DESCRIPTION).	D				
282306	**2.2**	**PD**	Axis Workstation	D				
282307	**2.2**	**PD**	Network Ethernet POE Switch	D				
282308	**2.2**	**PD**	Network Security Cabinet	D				
282305	**2.2**	**PD**	Monitors	D				
282305	**2.2**	**PD**	Camera Stations (Outdoor) - Type O-Z/P/T	D				
282305	**2.2**	**PD**	Wall Mount Bracket	D				
282305	**2.2**	**PD**	Surge Suppressors	D				
282305	**2.2**	**PD**	Wiring	D				
282305	**2.2**	**PD**	Connectors	D				
282305	**2.2**	**PD**	Accessories	D				
282305	**1.4**	**QCS**	Installers' Qualifications Data	D				
282305	**1.4**	**CCS**	System acceptance test report	F				
282305	**1.6**	**CCS**	Spare Parts: One Camera of each type	F				
284601			**ELECTRONIC DOOR LOCKING AND MONITORING SYSTEM**					
284601	**1.1**	**PACK**	Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package	D				
284601	**2.2**	**SD**	Bill of materials	D				
284601	**1.2**	**SD**	Composite wiring and/or schematic diagrams of the complete system as proposed to be installed (standard diagrams will not be acceptable).	D				
284601	**1.2**	**SD**	Total electrical load of the complete system in supervisory and alarm conditions.	D				
284601	**1.2**	**SD**	Interconnection details between new system and existing fire alarm system.	D				
284601	**1.2**	**SD**	Detailed description of system operation (format similar to SYSTEM DESCRIPTION).	D				
284601	**1.1**	**PD**	Name, address and telephone number of nearest fully equipped service organization	D				
284601	**2.2**	**PD**	Wiring	D				
284601	**1.1**	**CCS**	Test Report: System acceptance test report	F				







1 C505 — PERSONNEL GATE - TYPE "A" IN 16' HIGH SECURE CONTROL FENCE

N.T.S.

FENCE NOTES:

1. DO NOT DISTURB EXISTING SENSTAR FIBER OPTIC CABLE ON EXISTING 16' FENCE.

BACKFILL NOTES:

1. SELECTED FILL IN ACCORDANCE WITH SPECIFICATION 310000 UNDER ALL PAVED AREAS (ROADS, DRIVEWAYS, PARKING AREAS AND WALKS).
2. SUITABLE MATERIAL IN ACCORDANCE WITH SPECIFICATION 310000 UNDER LAWNS, SEEDED AREAS AND EXPOSED GROUND SURFACES.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 0021272
LAND SURVEYING: 0021271
GEOLOGICAL: 0021659

LaBella Powered by partnership.

WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.

STATE OF NEW YORK · JASON RONALD [illegible] · 095099 · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 12/31/2026

CONTRACT: CONSTRUCTION

TITLE: PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS

LOCATION: GROVELAND CORRECTIONAL FACILITY
7000 SONYEA RD ROUTE 36
SONYEA, NY

CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
1	11/10/2026	ADDENDUM #4
FINAL	01/30/2026	BID DOCUMENTS

PROJECT NUMBER:	47463-C
DESIGNED BY:	JCP
DRAWN BY:	JCP
FIELD CHECK:	JRE
APPROVED:	JRE

SHEET TITLE: CONSTRUCTION DETAILS

DRAWING NUMBER: C-505

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PERIMETER FENCE PROTECTION CONSTRUCTION PHASING

LIGHTING

1. INSTALL NEW UNDERGROUND RIGID GALVANIZED STEEL CONDUITS AND 480V LIGHTING CIRCUIT FROM EXISTING LIGHTING JUNCTION BOXES #46 AND #47 ON PERIMETER FENCE.

2. NEW LIGHTING CONDUIT/CIRCUIT IS TO BE COMPLETED AND FULLY FUNCTIONAL BEFORE EACH WORKING DAY AND BEFORE DAWN.

TEMPORARY CONSTRUCTION FENCE

1. PROVIDE AND INSTALL NEW SENSTAR FLEXZONE PROCESSOR ON FENCE ADJACENT TO EXISTING FAS "K".

2. PROVIDE AND INSTALL 1" CONDUIT FROM FLEXZONE PROCESSOR TO FAS"K" AND INSTALL FLEXZONE ZONE TROUBLE/TAMPER AND 48VDC CABLES FROM PROCESSOR TO FAS EXISTING AXIS I/O MODULE FOR ALARM ANNUNCIATION.

3. PROVIDE AND INSTALL (1) SENSTAR 120V TO 48VDC POWER SUPPLY IN FAS AND CONNECT TO EXISTING UPS RECEPTACLE.

4. ENGAGE CONVERGINT TECHNOLOGIES TO PROGRAM AND TEST COMMUNICATIONS FROM THE FLEXZONE PROCESSOR TO THE EXISTING SENSTAR GRAPHICAL USER INTERFACE (GUI) IN THE ARSENAL. PROVIDE AND INSTALL ALL REQUIRED DEVICES IN THE ARSENAL AS NEEDED, TO ESTABLISH COMMUNICATIONS AND CORRECT ALARM ANNUNCIATION.

5. PROVIDE AND INSTALL FLEXZONE CABLING ON TEMPORARY FENCE, PROGRAM AND TEST FLEXZONE ZONE FOR PROPER OPERATION, PRIOR TO CUTTING THE EXISTING SENSTAR FIBERPATROL CABLE. NOTE: THE FIBER PATROL SYSTEM IS CURRENTLY IN OPERATION AND INSTALLED ON THE INNER FENCE OF NO-MANS LAND.

6. WHEN THE FLEXZONE TEMPORARY FENCE SYSTEM IS COMPLETED AND COMMISIONED FOR OPERATION, CUT THE SENSTAR FIBER PATROL FIBER-OPTIC CABLE THAT IS CURRENTLY IN SERVICE AND RE-INSTALL EACH END OF THE FIBER-OPTIC CABLE TO THE INSIDE OF NO-MANS LAND AND BEHIND THE TEMPORARY FENCE FLEXZONE SYSTEM AND TERMINATE.

7. ENGAGE CONVERGINT TECHNOLOGIES IS TO COMMISSION THE ENTIRE FIBER PATROL OPTIC CABLE FROM WHERE THE FIBER OPTIC CABLE HAS BEEN CUT AND RE-PROGRAM THE SENSTAR FIBER PATROL-CAMERA CALL-UP INTEGRATION AS REQUIRED AND AS PREVIOUSLY OPERATIONAL AND APPROVED BY DOCCS.

8. ONCE THE CHUTE FENCING/DOORS AND RELATED ANCILLARY EQUIPMENT IS INSTALLED AND OPERATIONAL, THE SENSTAR FIBER PATROL FIBER OPTIC CABLES PREVIOUSLY TERMINATED INSIDE THE TEMPORARY FENCE FLEXZONE SYSTEM IS TO BE EXTENDED INTO AND ON TOP OF THE SALLY PORT AND RE-CONNECTED INTO THE EXISTING FIBER OPTIC CABLE TO CREATE A COMPLETE FIBER LOOP AS ORIGINALLY INSTALLED.

9. ENGAGE CONVERGINT TECHNOLOGIES IS TO COMMISSION THE ENTIRE FIBER PATROL OPTIC CABLE WITH THE NEW CHUTE SALLY PORT FIBER OPTIC CABLE INCLUDED IN THE FIBER PATROL SYSTEM AND RE-PROGRAM THE SENSTAR FIBER PATROL-CAMERA CALL-UP INTEGRATION AS REQUIRED AND AS PREVIOUSLY OPERATIONAL AND APPROVED BY DOCCS.

10. WHEN THE SENSTAR FIBER PATROL SYSTEM COMMISSIONING IS COMPLETED AND APPROVED, THE TEMPORARY SENSTAR FLEXZONE SYSTEM CAN BE REMOVED ENTIRELY AND ALL COMPONENTS ARE TO BE RELEASED TO A DOCCS REPRESENTATIVE FOR SPARE PARTS.

11. ALL REMAINING LIGHTING AND SECURITY SYSTEM DEVICES CAN THEN BE FURNISHED AND INSTALLED AS DESIGNED, WITH THE DIRECTION AND PRIOR APPROVAL FROM A DIRECTOR'S REPRESENTATIVE.

2

CCTV SYSTEM ABBREVIATIONS

AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
DFO	EXISTING 2-FIBER OPTIC CABLE
E	EXISTING
ECB	ENCLOSED CIRCUIT BREAKER
EGC	EQUIPMENT GROUNDING CONDUCTOR
ESMH	EXISTING SIGNAL MANHOLE
GEC	GROUNDING ELECTRODE CONDUCTOR
GFI	GROUND FAULT INTERRUPTER
LAN	LOCAL AREA NETWORK
LP	LIGHTING PANEL
NWS	NETWORK SWITCH
PP	POWER PANEL
UPS	UNINTERRUPTIBLE POWER SUPPLY
VDO	EXISTING ANALOG VIDEO CABLE
WP	WEATHER-PROOF

WIRING LEGEND

- BELOW GRADE WIRE AND CONDUIT
- ABOVE GRADE CABLING AND CONDUIT

SYMBOL LIST

- SITE LIGHT POLE
- DIAGONAL HATCH ON REMOVAL PLANS INDICATES ELECTRONIC SECURITY ITEM TO BE REMOVED. REFER TO KEY-NOTES FOR ADDITIONAL REMOVAL AND PHASING INFORMATION.

SECURITY SYMBOLS

A-C DPS	DOOR POSITION SWITCH/CONTACT (A = TYPE "A" PERSONAL GATE, EDWARDS 2507AD-L, DPDT) (C = TYPE "C" NO MANS GATE, EDWARDS 2327A, WITH MOUNTING KIT)
MON	21" LCD MONITOR (WALL MOUNTED AT 60" AFF) - TOTEVISION MODEL # LED-2154HDSDI
UPS	UNINTERRUPTIBLE POWER SUPPLY (WALL MOUNT) - APC MODEL # BE700G3
CSP	CAMERA SURGE PROTECTIONN - DITEK MODEL # DTK-MRJPOE
CAMERA	EXTERIOR MOUNTED CAMERA - AXIS MODEL #Q3536-LVE (9MM) WITH SURFACE BACKBOX
FI	FIBER OPTIC ENCLOSURE
FAS	FENCE ALARM STATION (FAS) - EXISTING LABELED AS "CC"
FZ	FLEXZONE PROCESSOR
EML	ELECTRO-MECHANICAL LOCK (PROVIDED BY GATE MANUFACTURER)
ICM	INTERCOM MASTER (WALL MOUNTED) - AXIS
ICS	INTERCOM SUB-STATION (FENCE/POLE MOUNT IN SS BACKBOX AT 60" AFG) - AXIS
ESPB	EXISTING SIGNAL PULLBOX (MANHOLE)
EPPB	EXISTING POWER PULLBOX (MANHOLE)
S PSB	SPLICE BOX (P=POWER, S=SIGNAL)
J	JUNCTION BOX
$4	LIGHT SWITCH (4=FOUR WAY)
	POWER PANEL (SURFACE MOUNT)
HTR	ELECTRIC HEATER (BERKO MODEL # VFK204F WITH SURFACE MOUNT KIT MODEL # VFKSM)
	EXISTING DISCONNECT SWITCH
PSP	POWER SURGE PROTECTOR (120/240) - MODEL#DTK-120240CMPLUS
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE OUTLET
ECB	ENCLOSED CIRCUIT BREAKER
	GROUNDING ROD ELECTRODE
A1	LED LIGHT FIXTURE - LITHONIA MODEL#LBL4 LP835 WRAPAROUND 1'X4'
A2	EXTERIOR SQUARE SURFACE CANOPY LIGHT - LITHONIA MODEL #CNY LED P2 40K MVOLT DDB
A3	EXTERIOR LED WALLPACK FIXTURE -LITHONIA MODEL#TWR2 LED ALO SWW2 UVOLT PE DDBTXD WITH PHOTOCELL
	HOMERUN TO PANELBOARD (NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS)
ESMH	EXISTING SIGNAL MANHOLE
EPMH	EXISTING POWER MANHOLE
S SPB	SIGNAL PULLBOX (MANHOLE)
P PPB	POWER PULLBOX (MANHOLE)

2

GENERAL INSTALLATION NOTES

1. THIS AN OCCUPIED FACILITY. THE BUILDINGS WILL BE OCCUPIED AND OPERATIONAL DURING THE EXECUTION OF THE WORK OF THIS PROJECT.
2. PROVIDE RACEWAY, WIRE AND CABLE, ASSOCIATED FITTINGS AND CONNECTORS, AND COMPLETE CONNECTIONS REQUIRED FOR DESIGNATED BRANCH CIRCUITS FROM DEVICE(S) TO FINAL OVERCURRENT DEVICE AND TO LOCAL CONTROL DEVICE(S) PER SPECIFICATIONS.
3. MINIMUM BRANCH CIRCUIT WIRE SIZE SHALL BE #12 AWG . SIZE BRANCH CIRCUIT CONDUCTORS AS PER NEC AND AS SCHEDULED ON THIS DRAWING BASED ON ACTUAL CIRCUIT DISTANCE. INCLUDE EGC DERATINGS.
4. PULL A SEPARATE NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS REQUIRING A NEUTRAL CONNECTION. DERATE CONDUCTORS PER NEC ACCORDINGLY. MULTI-WIRE BRANCH CIRCUITS ARE NOT ACCEPTABLE.
5. PROVIDE GROUNDING PER NEC & TIA 607B. PROVIDE GREEN GROUND CONDUCTOR IN ALL BRANCH AND FEEDER CIRCUITS.
6. ALL CABLES AND CONDUCTORS SHALL BE INSTALLED IN CONDUIT.
7. ALL EXPOSED CONDUITS SHALL BE INSTALLED IN RIGID METALLIC CONDUIT WITH 2-HOLE CONDUIT STRAPS.
8. TEMPORARILY FIRE-STOP ALL PENETRATIONS THROUGH FIRE RATED WALLS LEFT OVERNIGHT. COORDINATE PENETRATIONS WITH DIRECTORS REPRESENTATIVE.
9. THE EXACT ROUTING OF ALL CONDUIT SYSTEMS MUST BE APPROVED BY THE DIRECTOR'S REPRESENTATIVE PRIOR TO INSTALLATION. SUBMIT ROUTING PLAN FOR APPROVAL.
10. THE EXISTING SENSTAR PERIMETER FENCE SYSTEM IS TO REMAIN FULLY OPERATIONAL AT THE END OF EACH WORKING SHIFT, WITH NO EXCEPTIONS. COORDINATION IS ESSENTIAL THROUGH THE DIRECTOR'S REPRESENTATIVE TO MINIMIZE PROTECTION DOWNTIME.
11. ALL CAT6 CABLE WILL BE PAIGE MODEL #258300310 (GAME CHANGER), TO EXTEND DISTANCE TO 656 FEET (MINIMUM) .
12. THE EXISTING SENSTAR PERIMETER FENCE HEADEND IS LOCATED IN THE SECURITY OFFICE/ARSENAL.
13. THE EXISTING SENSTAR PERIMETER FENCE DISPLAY MAP IS TO BE UPDATED TO INCLUDE ALL NEW PERIMETER DEVICES THAT ARE TO BE INSTALLED AND TESTED IN THIS PROJECT (SENSTAR FLEXZONE TEMPORARY FENCE, GATE MONITORING CONTACTS AND DOOR LOCK POSITION STATUS).
14. THE SENSTAR UPDATE WILL INCLUDE BUT NOT BE LIMITED TO, CONNECTING THE NEW DEVICES TO THE NEW SENSTAR ULTRALINK UHS I/O BOARDS IN THE GUARD TOWER AND ALL PROGRAMMING AND TESTING TO DISPLAY NORMAL/ALARM/TROUBLE CONDITIONS IN THE EXISTING SENSTAR PERIMETER FENCE DISPLAY MAP.

COMPLIANCE STATEMENT

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEVE, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2025 UNIFORM CODE

ENERGY CODE COMPLIANCE WRITTEN STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEVE, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2025 ENERGY CODE.

NOTE:
THE PROFESSIONAL SIGNING AND SEALING THESE DOCUMENTS IS RESPONSIBLE FOR ONLY THE ASPECTS OF THE WORK SHOWN BEING PERFORMED. SAFETY AND SECURITY REQUIREMENTS FOR THE WORK BEING PERFORMED AND REQUIREMENTS OF THE FACILITY, ARE THE RESPONSIBILITY OF THE CONTRACTOR SECURED TO PERFORM THE SCOPE OF WORK.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 0021272
LAND SURVEYING: 0021271
GEOLOGICAL: 0021459

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WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.

STATE OF NEW YORK · NICHOLAS CHARLES HLADOLA · 092548 · LICENSED PROFESSIONAL ENGINEER

CONTRACT: ELECTRICAL

TITLE: PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS

LOCATION: GROVELAND CORRECTIONAL FACILITY
7000 SONYEA RD ROUTE 36
SONYEA, NY

CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
2	11/12/2026	ADDENDUM #4
1	11/05/2026	ADDENDUM #3
FINAL	01/30/2026	BID DOCUMENTS

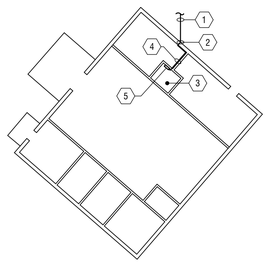
PROJECT NUMBER:	47463-E
DESIGNED BY:	DS
DRAWN BY:	DMC
FIELD CHECK:	
APPROVED:	NCH

SHEET TITLE:
ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES

DRAWING NUMBER:
E-001

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\\coshlan\V\Projects\NYS Office of General Services\223644 - SED08 Architectural Services\223644.16 - Groveland CF 47463 Guard Tower Mod\06_Drawings\Electrical\E-001 - SECURITY SYMBOLS AND NOTES

KEYED NOTES FOR DETAIL 2



1. PROVIDE 2" UNDERGROUND CONDUIT. REFER TO SITE PLAN FOR CONTINUATION TO TOWER.
2. REFER TO DRAWING E-502 FOR CONDUIT PENETRATION INTO BUILDING EXTERIOR WALL.
3. BUILDING ELECTRICAL ROOM.
4. INSTALL INTERIOR CONDUIT ON INSIDE WALL TO ELECTRICAL ROOM.
5. CONNECT COMMUNICATIONS CONDUCTORS TO 110 BLOCK, AS DIRECTED BY DOCCS IT DEPARTMENT.

PERIMETER FENCE PROTECTION CONSTRUCTION PHASING

LIGHTING

1. INSTALL NEW UNDERGROUND RIGID GALVANIZED STEEL CONDUITS AND 480V LIGHTING CIRCUIT FROM EXISTING LIGHTING JUNCTION BOXES #46 AND #47 ON PERIMETER FENCE.

2. NEW LIGHTING CONDUIT/CIRCUIT IS TO BE COMPLETED AND FULLY FUNCTIONAL BEFORE EACH WORKING DAY AND BEFORE DAWN.

TEMPORARY CONSTRUCTION FENCE

1. PROVIDE AND INSTALL NEW SENSTAR FLEXZONE PROCESSOR ON FENCE ADJACENT TO EXISTING FAS "K".

2. PROVIDE AND INSTALL 1" CONDUIT FROM FLEXZONE PROCESSOR TO FAS"K" AND INSTALL FLEXZONE ZONE TROUBLE/TAMPER AND 48VDC CABLES FROM PROCESSOR TO FAS EXISTING AXIS I/O MODULE FOR ALARM ANNUNCIATION.

3. PROVIDE AND INSTALL (1) SENSTAR 120V TO 48VDC POWER SUPPLY IN FAS AND CONNECT TO EXISTING UPS RECEPTACLE.

4. ENGAGE CONVERGINT TECHNOLOGIES TO PROGRAM AND TEST COMMUNICATIONS FROM THE FLEXZONE PROCESSOR TO THE EXISTING SENSTAR GRAPHICAL USER INTERFACE (GUI) IN THE ARSENAL. PROVIDE AND INSTALL ALL REQUIRED DEVICES IN THE ARSENAL AS NEEDED, TO ESTABLISH COMMUNICATIONS AND CORRECT ALARM ANNUNCIATION.

PERIMETER FENCE PROTECTION CONSTRUCTION PHASING CONTINUED

5. PROVIDE AND INSTALL FLEXZONE CABLING ON TEMPORARY FENCE. PROGRAM AND TEST FLEXZONE ZONE FOR PROPER OPERATION, PRIOR TO CUTTING THE EXISTING SENSTAR FIBERPATROL CABLE. NOTE: THE FIBER PATROL SYSTEM IS CURRENTLY IN OPERATION AND INSTALLED ON THE INNER FENCE OF NO-MANS LAND.

6. WHEN THE FLEXZONE TEMPORARY FENCE SYSTEM IS COMPLETED AND COMMISIONED FOR OPERATION, CUT THE SENSTAR FIBER PATROL FIBER-OPTIC CABLE THAT IS CURRENTLY IN SERVICE AND RE-INSTALL EACH END OF THE FIBER-OPTIC CABLE TO THE INSIDE OF NO-MANS LAND AND BEHIND THE TEMPORARY FENCE FLEXZONE SYSTEM AND TERMINATE.

7. ENGAGE CONVERGINT TECHNOLOGIES IS TO COMMISSION THE ENTIRE FIBER PATROL OPTIC CABLE FROM WHERE THE FIBER OPTIC CABLE HAS BEEN CUT AND RE-PROGRAM THE SENSTAR FIBER PATROL-CAMERA CALL-UP INTEGRATION AS REQUIRED AND AS PREVIOUSLY OPERATIONAL AND APPROVED BY DOCCS.

8. ONCE THE CHUTE FENCING/DOORS AND RELATED ANCILLARY EQUIPMENT IS INSTALLED AND OPERATIONAL, THE SENSTAR FIBER PATROL FIBER OPTIC CABLES PREVIOUSLY TERMINATED INSIDE THE TEMPORARY FENCE FLEXZONE SYSTEM IS TO BE EXTENDED INTO AND ON TOP OF THE SALLY PORT AND RE-CONNECTED INTO THE EXISTING FIBER OPTIC CABLE TO CREATE A COMPLETE FIBER LOOP AS ORIGINALLY INSTALLED.

9. ENGAGE CONVERGINT TECHNOLOGIES IS TO COMMISSION THE ENTIRE FIBER PATROL OPTIC CABLE WITH THE NEW CHUTE SALLY PORT FIBER OPTIC CABLE INCLUDED IN THE FIBER PATROL SYSTEM AND RE-PROGRAM THE SENSTAR FIBER PATROL-CAMERA CALL-UP INTEGRATION AS REQUIRED AND AS PREVIOUSLY OPERATIONAL AND APPROVED BY DOCCS.

10. WHEN THE SENSTAR FIBER PATROL SYSTEM COMMISSIONING IS COMPLETED AND APPROVED, THE TEMPORARY SENSTAR FLEXZONE SYSTEM CAN BE REMOVED ENTIRELY AND ALL COMPONENTS ARE TO BE RELEASED TO A DOCCS REPRESENTATIVE FOR SPARE PARTS.

11. ALL REMAINING LIGHTING AND SECURITY SYSTEM DEVICES CAN THEN BE FURNISHED AND INSTALLED AS DESIGNED, WITH THE DIRECTION AND PRIOR APPROVAL FROM A DIRECTOR'S REPRESENTATIVE.

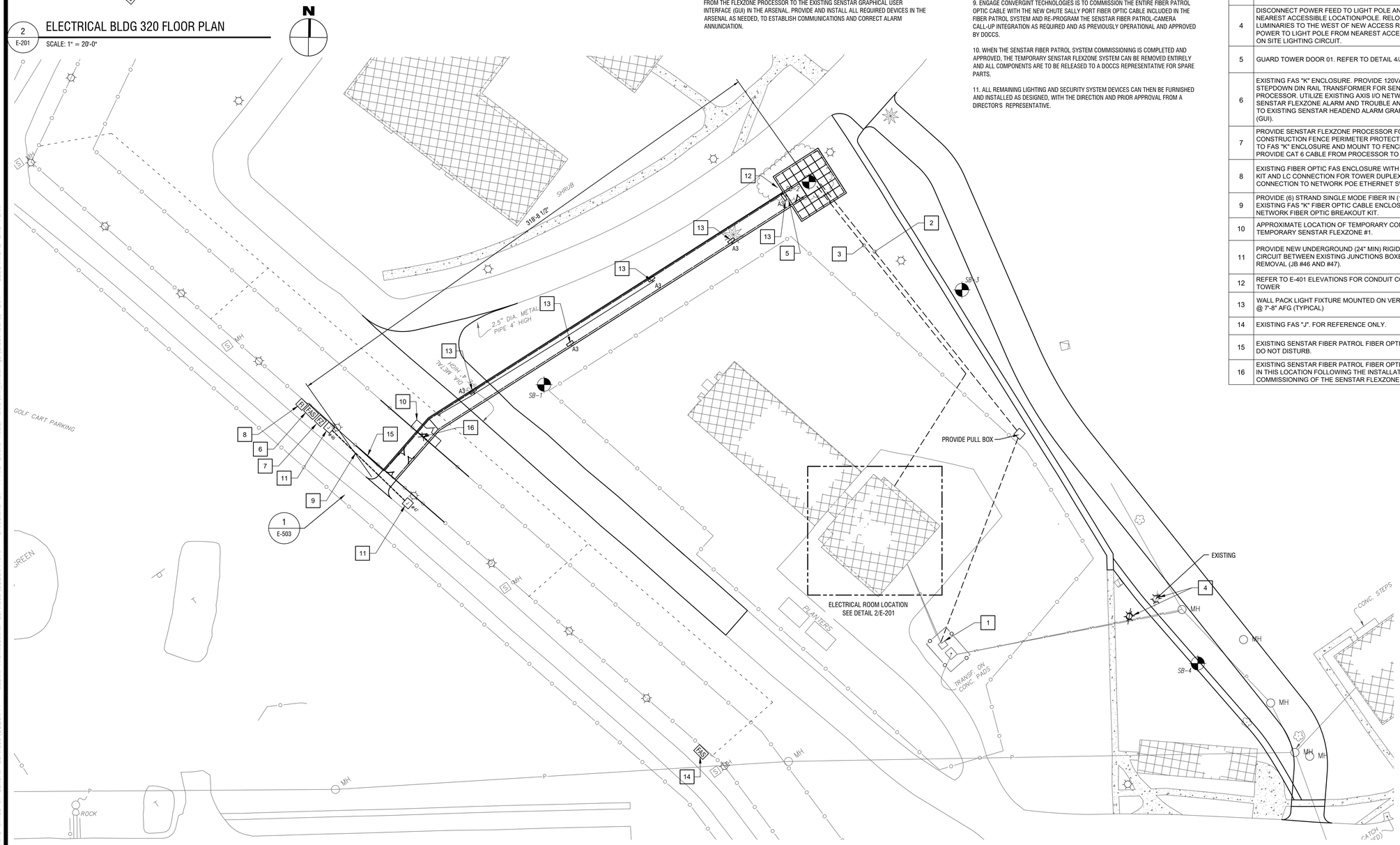
GENERAL NOTES

1. CONTRACTOR TO COORDINATE WORK WITH DIRECTOR'S REPRESENTATIVE AND CONSTRUCTION CONTRACT TO MINIMIZE INTERRUPTION OF PERIMETER SECURITY SYSTEMS.

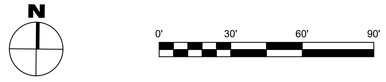
E201 KEYED NOTES

#	
1	TAP HORTICULTURE BUILDING TRANSFORMER WITH (2) #1/0 PHASE CONDUCTORS & #1/0 GROUND FOR TOWER POWER FEED.
2	(2) #1/0 PHASE CONDUCTORS & (1) #2 GROUND FOR BOTH CONDUCTORS IN 2" C FOR TOWER POWER.
3	(2) CAT 6 IN 2" C FOR TOWER COMMUNICATIONS. TERMINATE IN 110 BLOCKS WITHIN HORTICULTURE ELECTRIC ROOM.
4	DISCONNECT POWER FEED TO LIGHT POLE AND REMOVE WIRING TO NEAREST ACCESSIBLE LOCATION/POLE. RELOCATE WOOD POLE AND LUMINARIES TO THE WEST OF NEW ACCESS ROAD. RECONNECT POWER TO LIGHT POLE FROM NEAREST ACCESSIBLE LOCATION/POLE ON SITE LIGHTING CIRCUIT.
5	GUARD TOWER DOOR 01. REFER TO DETAIL 4/A-201.
6	EXISTING FAS "K" ENCLOSURE. PROVIDE 120VAC TO 60VDC STEPDOWN DIN RAIL TRANSFORMER FOR SENSTAR FLEX ZONE PROCESSOR. UTILIZE EXISTING AXIS I/O NETWORK MODULE FOR SENSTAR FLEXZONE ALARM AND TROUBLE ANNUNCIATION (2 ZONE) TO EXISTING SENSTAR HEADEND ALARM GRAPHIC USER INTERFACE (GUI).
7	PROVIDE SENSTAR FLEXZONE PROCESSOR FOR TEMPORARY CONSTRUCTION FENCE PERIMETER PROTECTION, MOUNT ADJACENT TO FAS "K" ENCLOSURE AND MOUNT TO FENCE SUPPORT RAIL. PROVIDE CAT 6 CABLE FROM PROCESSOR TO GUARD TOWER.
8	EXISTING FIBER OPTIC FAS ENCLOSURE WITH CORNING BREAKOUT KIT AND LC CONNECTION FOR TOWER DUPLEX FIBER OPTIC CABLE CONNECTION TO NETWORK POE ETHERNET SWITCH.
9	PROVIDE (6) STRAND SINGLE MODE FIBER IN (1) 3/4" CONDUIT FROM EXISTING FAS "K" FIBER OPTIC CABLE ENCLOSURE TO GUARD TOWER NETWORK FIBER OPTIC BREAKOUT KIT.
10	APPROXIMATE LOCATION OF TEMPORARY CONSTRUCTION FENCE. TEMPORARY SENSTAR FLEXZONE #1.
11	PROVIDE NEW UNDERGROUND (24" MIN) RIGID STEEL CONDUIT AND CIRCUIT BETWEEN EXISTING JUNCTIONS BOXES PRIOR TO FENCE REMOVAL (JB #46 AND #47).
12	REFER TO E-401 ELEVATIONS FOR CONDUIT CONTINUATION TO TOWER
13	WALL PACK LIGHT FIXTURE MOUNTED ON VERTICAL FENCE SUPPORT @ 7'-8" AFG (TYPICAL)
14	EXISTING FAS "J". FOR REFERENCE ONLY.
15	EXISTING SENSTAR FIBER PATROL FIBER OPTIC CABLE TO REMAIN. DO NOT DISTURB.
16	EXISTING SENSTAR FIBER PATROL FIBER OPTIC CABLE TO TO BE CUT IN THIS LOCATION FOLLOWING THE INSTALLATION AND COMMISSIONING OF THE SENSTAR FLEXZONE SYSTEM.

2 E-201 ELECTRICAL BLDG 320 FLOOR PLAN
SCALE: 1" = 20'-0"



1 E-201 ELECTRICAL SITE PLAN
SCALE: 1" = 30'



NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 0021272
LAND SURVEYING: 0021271
GEOLOGICAL: 0021459

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NICHOLAS CHARLES HAROLD — 092548 — LICENSED PROFESSIONAL ENGINEER
EXP. 04-30-2028

CONTRACT: ELECTRICAL

TITLE: PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS

LOCATION: GROVELAND CORRECTIONAL FACILITY 7000 SONYEA RD ROUTE 36 SONYEA, NY

CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

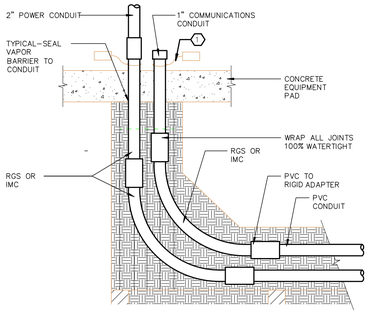
MARK	DATE	DESCRIPTION
2	11/12/2026	ADDENDUM #4
1	11/05/2026	ADDENDUM #3
FINAL	01/30/2026	BID DOCUMENTS

PROJECT NUMBER: 47463-E
DESIGNED BY: DS
DRAWN BY: GM
FIELD CHECK:
APPROVED: NCH

SHEET TITLE: ELECTRICAL SITE PLAN

DRAWING NUMBER: E-201

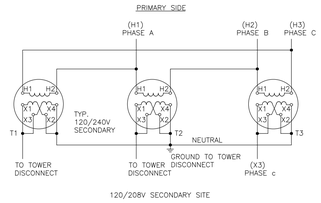
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KEYED NOTES (#):

1. AT EACH CONDUIT STUB-UP, AFFIX ENGRAVED PLASTIC NAMEPLATE INDICATING CONDUIT NO. OR CIRCUIT IDENTIFICATION. ATTACH WITH NYLON CABLE TIE.

CONDUIT SLEEVE DETAIL

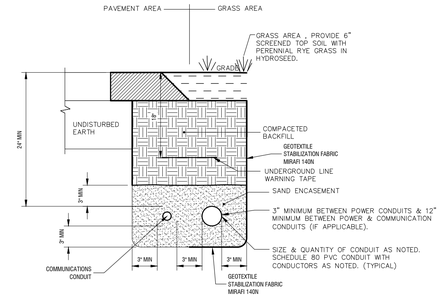


120/208V SECONDARY SITE

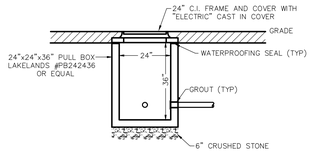
GENERAL NOTES:

1. PROVIDE NEW LUGS TO EXISTING SECONDARY SIDE OF EXISTING TRANSFORMER FOR CONNECTION OF NEW CIRCUIT TO GUARD TOWER.
2. INSTALL NEW RGC CONDUITS UNDERGROUND INTO TRANSFORMER HOUSING.

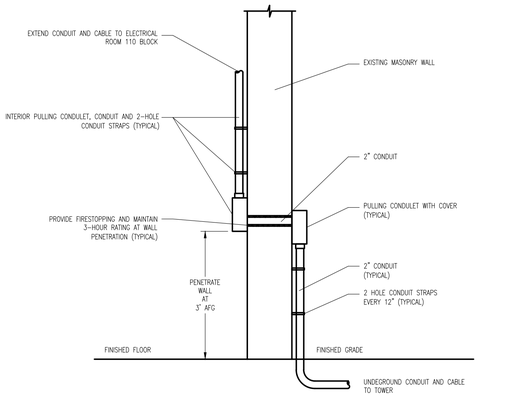
EXISTING 120/208 VOLT, THREE PHASE TRANSFORMER CONNECTION DETAIL



DIRECT BURY CONDUIT TRENCH – TYPICAL

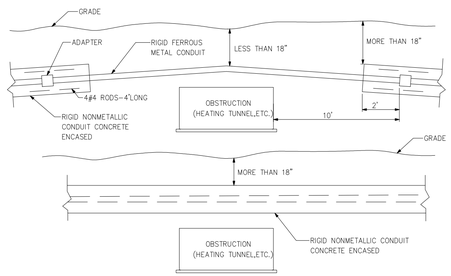


PULL BOX DETAIL



CONDUIT WALL PENETRATION

NOT TO SCALE



CONDUITS CROSSING OBSTRUCTIONS

NOT TO SCALE

2

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT:

CERTIFICATE OF AUTHORIZATION NUMBER:
PROFESSIONAL ENGINEERING: 0021272
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GEOLOGICAL: 0021659

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STATE OF NEW YORK · NICHOLAS CHARLES HAROLD · 092548 · LICENSED PROFESSIONAL ENGINEER

EXP. 04-30-2028

CONTRACT:
ELECTRICAL

TITLE:
PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS

LOCATION:
GROVELAND CORRECTIONAL FACILITY
7000 SONYEA RD ROUTE 36
SONYEA, NY

CLIENT:
DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

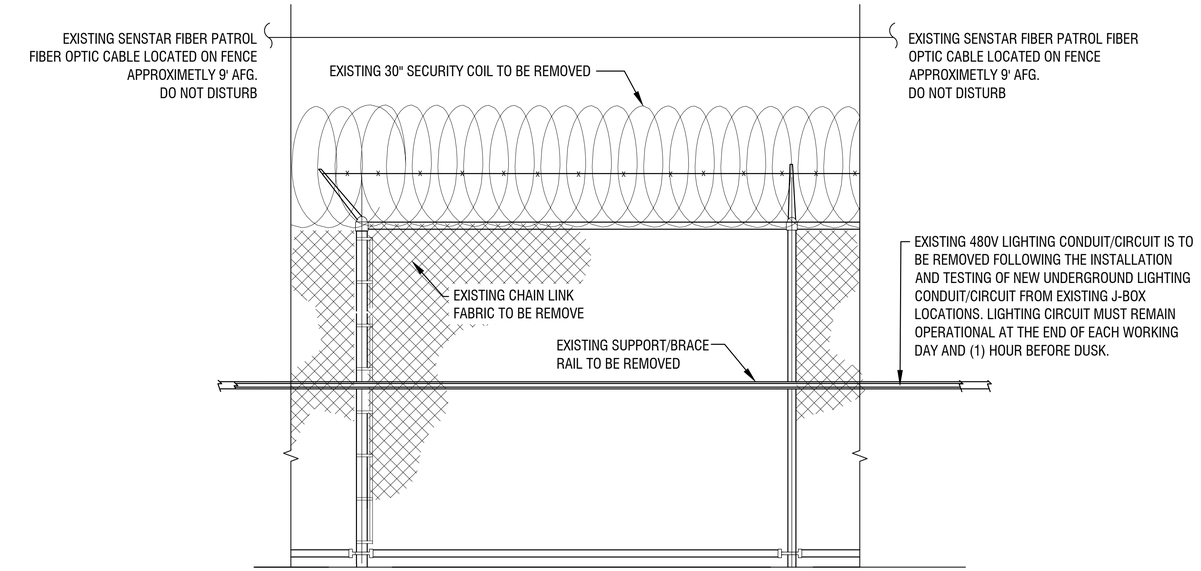
MARK:	DATE:	DESCRIPTION:
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PROJECT NUMBER: 47463-E
DESIGNED BY: DS
DRAWN BY: DMC
FIELD CHECK:
APPROVED: NCH

SHEET TITLE:
ELECTRICAL DETAILS

DRAWING NUMBER:
E-502

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3 / E-503 EXISTING FENCE LIGHTING CONDUIT/CIRCUIT DETAIL

SCALE: NOT TO SCALE

GENERAL NOTES (FOR DETAIL 3 ONLY):

1. EXISTING LIGHTING CONDUCTORS DERIVE FROM EXISTING JUNCTION BOXES MOUNTED ON FENCE SUPPORT RAIL. REFER TO E-201 FOR J-BOX LOCATIONS.

PERIMETER FENCE PROTECTION CONSTRUCTION PHASING

LIGHTING

1. INSTALL NEW UNDERGROUND RIGID GALVANIZED STEEL CONDUITS AND 480V LIGHTING CIRCUIT FROM EXISTING LIGHTING JUNCTION BOXES #46 AND #47 ON PERIMETER FENCE.

2. NEW LIGHTING CONDUIT/CIRCUIT IS TO BE COMPLETED AND FULLY FUNCTIONAL BEFORE EACH WORKING DAY AND BEFORE DAWN.

TEMPORARY CONSTRUCTION FENCE

1. PROVIDE AND INSTALL NEW SENSTAR FLEXZONE PROCESSOR ON FENCE ADJACENT TO EXISTING FAS "K".

2. PROVIDE AND INSTALL 1" CONDUIT FROM FLEXZONE PROCESSOR TO FAS"K" AND INSTALL FLEXZONE ZONE TROUBLE/TAMPER AND 48VDC CABLES FROM PROCESSOR TO FAS EXISTING AXIS I/O MODULE FOR ALARM ANNUNCIATION.

3. PROVIDE AND INSTALL (1) SENSTAR 120V TO 48VDC POWER SUPPLY IN FAS AND CONNECT TO EXISTING UPS RECEPTACLE.

4. ENGAGE CONVERGINT TECHNOLOGIES TO PROGRAM AND TEST COMMUNICATIONS FROM THE FLEXZONE PROCESSOR TO THE EXISTING SENSTAR GRAPHICAL USER INTERFACE (GUI) IN THE ARSENAL. PROVIDE AND INSTALL ALL REQUIRED DEVICES IN THE ARSENAL AS NEEDED, TO ESTABLISH COMMUNICATIONS AND CORRECT ALARM ANNUNCIATION.

5. PROVIDE AND INSTALL FLEXZONE CABLING ON TEMPORARY FENCE. PROGRAM AND TEST FLEXZONE ZONE FOR PROPER OPERATION, PRIOR TO CUTTING THE EXISTING SENSTAR FIBERPATROL CABLE. NOTE: THE FIBER PATROL SYSTEM IS CURRENTLY IN OPERATION AND INSTALLED ON THE INNER FENCE OF NO-MANS LAND.

6. WHEN THE FLEXZONE TEMPORARY FENCE SYSTEM IS COMPLETED AND COMMISIONED FOR OPERATION, CUT THE SENSTAR FIBER PATROL FIBER-OPTIC CABLE THAT IS CURRENTLY IN SERVICE AND RE-INSTALL EACH END OF THE FIBER-OPTIC CABLE TO THE INSIDE OF NO-MANS LAND AND BEHIND THE TEMPORARY FENCE FLEXZONE SYSTEM AND TERMINATE.

7. ENGAGE CONVERGINT TECHNOLOGIES IS TO COMMISSION THE ENTIRE FIBER PATROL OPTIC CABLE FROM WHERE THE FIBER OPTIC CABLE HAS BEEN CUT AND RE-PROGRAM THE SENSTAR FIBER PATROL-CAMERA CALL-UP INTEGRATION AS REQUIRED AND AS PREVIOUSLY OPERATIONAL AND APPROVED BY DOCCS.

8. ONCE THE CHUTE FENCING/DOORS AND RELATED ANCILLARY EQUIPMENT IS INSTALLED AND OPERATIONAL, THE SENSTAR FIBER PATROL FIBER OPTIC CABLES PREVIOUSLY TERMINATED INSIDE THE TEMPORARY FENCE FLEXZONE SYSTEM IS TO BE EXTENDED INTO AND ON TOP OF THE SALLY PORT AND RE-CONNECTED INTO THE EXISTING FIBER OPTIC CABLE TO CREATE A COMPLETE FIBER LOOP AS ORIGINALLY INSTALLED.

9. ENGAGE CONVERGINT TECHNOLOGIES IS TO COMMISSION THE ENTIRE FIBER PATROL OPTIC CABLE WITH THE NEW CHUTE SALLY PORT FIBER OPTIC CABLE INCLUDED IN THE FIBER PATROL SYSTEM AND RE-PROGRAM THE SENSTAR FIBER PATROL-CAMERA CALL-UP INTEGRATION AS REQUIRED AND AS PREVIOUSLY OPERATIONAL AND APPROVED BY DOCCS.

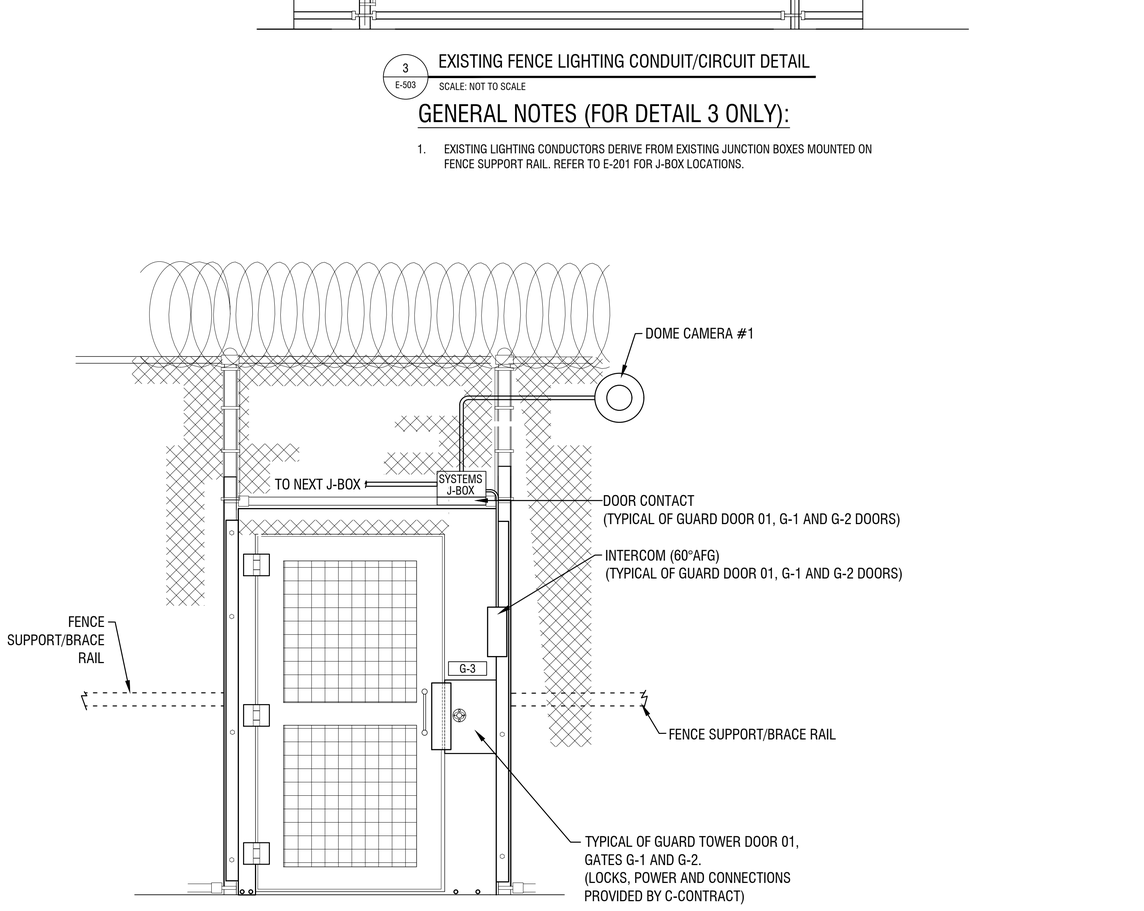
10. WHEN THE SENSTAR FIBER PATROL SYSTEM COMMISSIONING IS COMPLETED AND APPROVED, THE TEMPORARY SENSTAR FLEXZONE SYSTEM CAN BE REMOVED ENTIRELY AND ALL COMPONENTS ARE TO BE RELEASED TO A DOCCS REPRESENTATIVE FOR SPARE PARTS.

11. ALL REMAINING LIGHTING AND SECURITY SYSTEM DEVICES CAN THEN BE FURNISHED AND INSTALLED AS DESIGNED, WITH THE DIRECTION AND PRIOR APPROVAL FROM A DIRECTOR'S REPRESENTATIVE.

E503 KEYED NOTES	
1	PROVIDE CONDUIT, CABLE AND DOOR POSITION SWITCH (DPS) TYPE "A" FOR CONNECTION TO THE SENSTAR ULTRALINK I/O NETWORK MODULE IN THE GUARD TOWER.
2	PROVIDE CONDUIT, CABLE AND TEMPORARY DOOR POSITION SWITCH (DPS) TYPE "C" ON TEMPORARY GATES AND CIRCUIT TO THE SENSTAR ULTRALINK I/O MODULE IN THE GUARD TOWER.REMOVE CONNECTION WHEN TEMPORARY GATES ARE REMOVED AND CHUTE INSTALLATION IS COMPLETED.
3	GATE LOCK, POWER AND COMMUNICATION CONDUITS, CIRCUITS AND DOOR CONTROL CONSOLE, BY OTHERS.
4	PROVIDE INTERCOM CALL STATION, CONDUIT AND CABLING AND CIRCUIT TO GUARD TOWER NETWORK POE ETHERNET SWITCH.
5	PROVIDE EXTERIOR FIXED DOME HOUSING CAMERA AND REQUIRED BACKBOX. CAMERA IS TO VIEW ENTRANCE TO "A" GATE /DOOR TO PEDESTRIAN CHUTE FROM INSIDE TOWER. PROVIDE CONDUIT AND CABLING TO TOWER NETWORK SWITCH.
6	PROVIDE (1) 3/4" FIBER OPTIC CONDUIT AND FIBER OPTIC CABLE TO GUARD TOWER FIBER BREAKOUT KIT.
7	PROVIDE FENCE MOUNTED SYSTEMS 10" X 10"X 4" WEATHER-PROOF AND TAMPER-PROOF JUNCTION BOX
8	LED WALL PACK LIGHT FIXTURE. REFER TO E/501 FOR MOUNTING DETAILS
9	EXISTING FAS "K" AND EXISTING FAS "K" FIBER OPTIC ENCLOSURE.
10	PROVIDE SENSTAR FIBER PATROL FIBER OPTIC CABLE SPLICE FROM EXISTING THE PREVIOUSLY TERMINATED FIBER OPTIC CABLE, TO NEW SALLY PORT FIBER OPTIC CABLE CONFIGURATION.

GENERAL NOTES

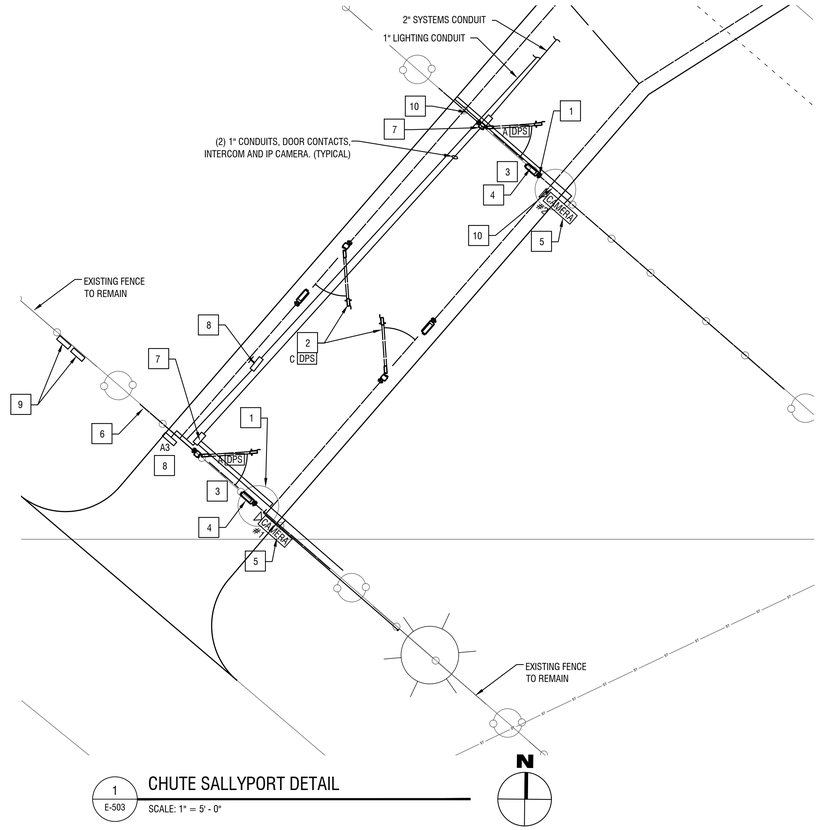
1. CONTRACTOR TO COORDINATE WORK WITH DIRECTOR'S REPRESENTATIVE AND CONSTRUCTION CONTRACT TO MINIMIZE INTERRUPTION OF PERIMETER SECURITY SYSTEMS



2 / E-503 SECURITY FENCE AND MAN DOOR ENLARGED DETAIL

SCALE: NOT TO SCALE

NOTE: ALL CONDUITS, JUNCTION BOXES AND CABLING IS TO BE INSTALLED IN THE CHUTE PROTECTED AREA OR OUTSIDE OF THE EXTERIOR FENCE



1 / E-503 CHUTE SALLYPORT DETAIL

SCALE: 1" = 5' - 0"

NOTE: ALL CONDUITS, JUNCTION BOXES AND CABLING IS TO BE INSTALLED IN THE CHUTE PROTECTED AREA OR OUTSIDE OF THE EXTERIOR FENCE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT:

CERTIFICATE OF AUTHORIZATION NUMBER:
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LAND SURVEYING: 0021271
GEOLOGICAL: 0021459

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STATE OF NEW YORK · NICHOLAS CHARLES HAROLDSEN · LICENSED PROFESSIONAL ENGINEER · 092548

EXP. 04-30-2028

CONTRACT: ELECTRICAL

TITLE: PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS

LOCATION: GROVELAND CORRECTIONAL FACILITY 7000 SONYEA RD ROUTE 36 SONYEA, NY

CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
2	11/12/2026	ADDENDUM #4
1	11/05/2026	ADDENDUM #3
- FINAL	01/30/2026	BID DOCUMENTS

PROJECT NUMBER: 47463-E

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DRAWN BY: DMC

FIELD CHECK:

APPROVED: NCH

SHEET TITLE: ELECTRICAL DETAILS

DRAWING NUMBER: E-503

2 11/12/2026 4:29 PM \\cosh.lan\vs\Projects\NYS Office of General Services\223644 - SEDR Architectural Services\223644.16 - Groveland CF 47463 Guard Tower Mod\06_Drawings\Electrical\E-503 ELECTRICAL DETAILS

GENERAL NOTES

1. CONTRACTOR TO COORDINATE WORK WITH DIRECTOR'S REPRESENTATIVE AND CONSTRUCTION CONTRACT TO MINIMIZE INTERRUPTION OF PERIMETER SECURITY SYSTEMS

DESIGN BASE: GE POWERMARK OR APPROVED EQUAL
LOCATION: TOWER
BUS RATING: 100 Amps/MCB

PANEL SCHEDULE

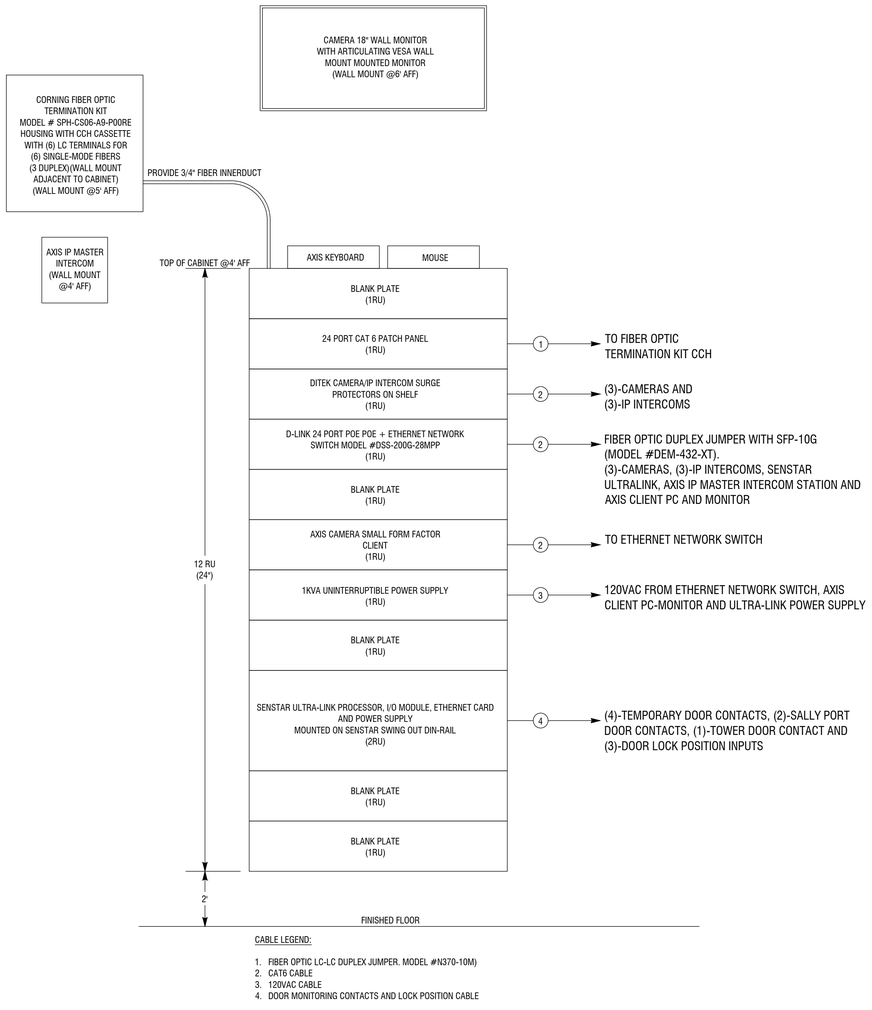
POWER PANEL: PP1

FULLY RATED AIC: 10,000, Amps RMS SYM.
SERVICE: 120/240V, 1Ø, 3W
MOUNTING: SURFACE
FED FROM: DISCONNECT
ENCLOSURE TYPE: NEMA 1

CKT.	LOAD DESIGNATION	WIRE SIZE	BREAKER	L1 (VA)	L2 (VA)	BREAKER	WIRE SIZE	LOAD DESIGNATION	CKT.
1	INTERIOR & STAIRWELL TOWER LIGHTS (A1 & A2)	(2)-#12 & (1)-#12 GND	20A/1P	120	1920	20A/1P	(2)-#12 & (1)-#12 GND	GFCI RECEPTACLES	2
3	EXTERIOR LIGHTS	(2)-#10 & (1)-#12 GND	20A/1P	600	1920	20A/1P	(2)-#12 & (1)-#12 GND	GFCI RECEPTACLES	4
5	HEATER	(3)-#10 & (1)-#12 GND	20A/2P	1200	1920	20A/1P	(2)-#12 & (1)-#12 GND	CCTV UPS RECEPTACLE	6
7				1200	1920	20A/1P	(2)-#10 & (1)-#12 GND	GATE CONTROL CONSOLE	8
9	STAIRWELL EXHAUST FAN	---	20A/1P	1800	---	20A/1P	(2)-#10 & (1)-#12 GND	SPARE	10
11	SPARE	---	---	---	---	---	---	SPARE	12
TOTAL CONNECTED VA/LEG				4920	7680				
TOTAL CONNECTED KVA				12600					

LUMINAIRE SCHEDULE

TAG	DESCRIPTION	LAMP(S)	DRIVER	LUMENS	WATTS	CCT (K)	MOUNTING	LENS	DESIGN BASIS	NOTES
A1	2'X4' LED WRAP AROUND	WHITE LED	120-277V	4253	32	4000K	SURFACE	ACRYLIC	LITHONIA CAT# LBL4LP840 (LED)	WHITE FINISH
A2	2x2 LED CANOPY	WHITE LED	120-277V	4500	35	4000K	SURFACE	ACRYLIC	LITHONIA CAT# CNY LED P1 40K MVOLT DDB (LED)	BRONZE FINISH
A3	LED WALL PACK	WHITE LED	120-347V	8200	57	3000-5000K	SURFACE	ACRYLIC	LITHONIA CAT# TWX3 ALO 40K MVOLT PE DNAXD (LED)	TYPE III DISTRIBUTION WITH ADJUSTABLE LUMEN LEVELS AND PHOTOCELL. ALUMINUM FINISH

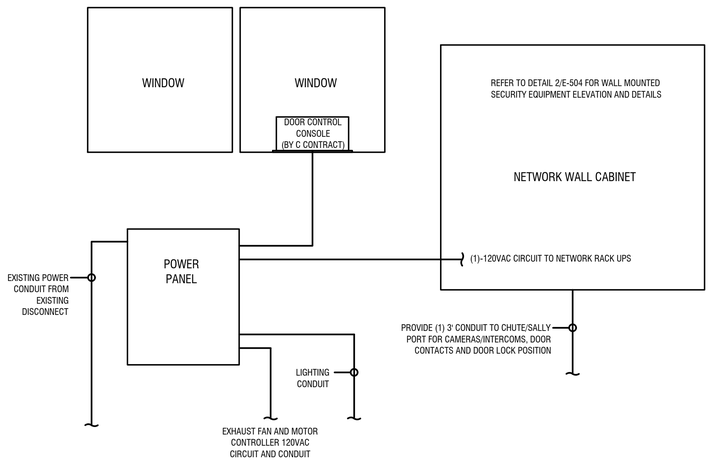


CABLE LEGEND:

1. FIBER OPTIC LC-LC DUPLEX JUMPER. MODEL #N370-10M)
2. CAT6 CABLE
3. 120VAC CABLE
4. DOOR MONITORING CONTACTS AND LOCK POSITION CABLE

2 / E-504 NETWORK CABINET AND WALL ELEVATION DETAIL

SCALE: NOT TO SCALE



NOTES:

1. GATE CONTROL CONSOLE, CONDUITS AND CIRCUITS TO MAN GATES, CONNECTIONS AND TESTING BY OTHERS (C-CONTRACT)
2. 120VAC CONDUIT, CIRCUIT AND 20A/1P BREAKER TO PANEL PP1, BY ELECTRICAL CONTRACTOR.

1 / E-504 INTERIOR TOWER ELEVATION (SOUTH WALL)ENLARGED DETAIL

SCALE: NOT TO SCALE

NOTE: ALL FLEXZONE CABLING IS TO BE INSTALLED IN THE EXISTING NO-MANS LAND PROTECTED AREA

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT:

CERTIFICATE OF AUTHORIZATION NUMBER:
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GEOLOGICAL: 0021659

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EXP. 04-30-2028

CONTRACT: ELECTRICAL

TITLE: PROVIDE GUARD TOWER & LOWER PERIMETER FENCE MODIFICATIONS

LOCATION: GROVELAND CORRECTIONAL FACILITY 7000 SONYEA RD ROUTE 36 SONYEA, NY

CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

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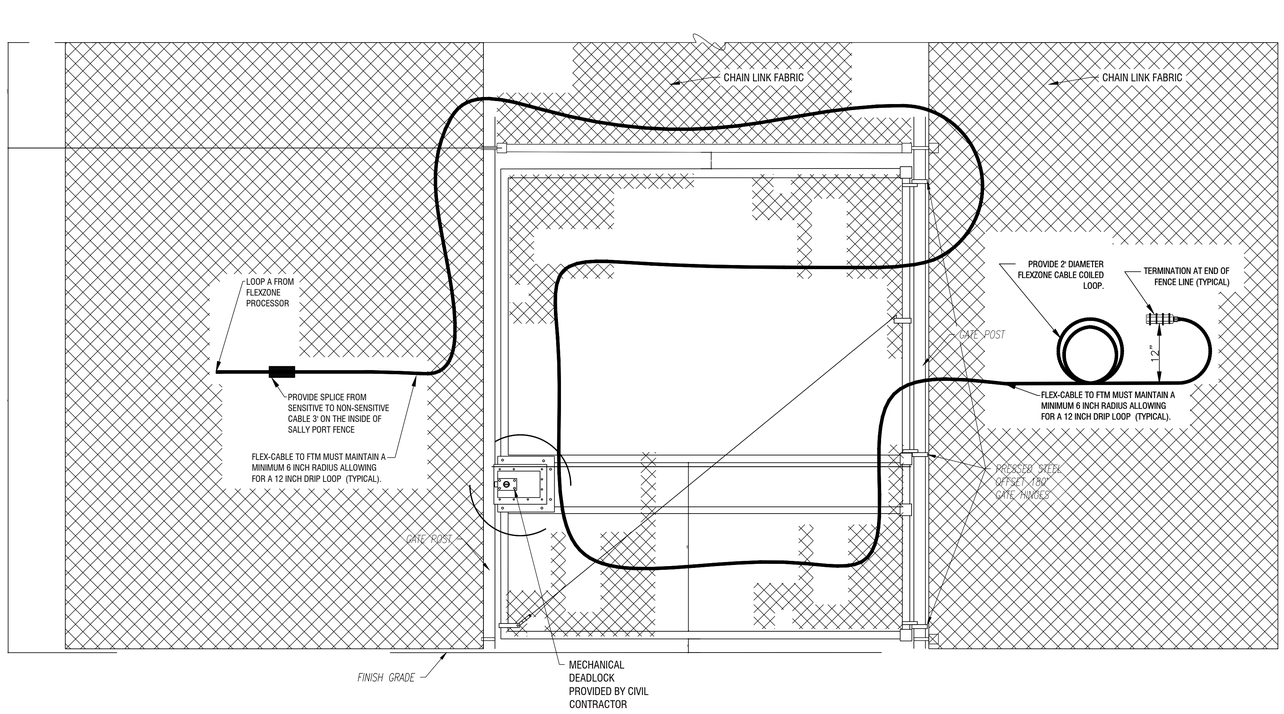
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DRAWING NUMBER: E-504

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GENERAL NOTES

1. CONTRACTOR TO COORDINATE WORK WITH DIRECTOR'S REPRESENTATIVE AND CONSTRUCTION CONTRACT TO MINIMIZE INTERRUPTION OF PERIMETER SECURITY SYSTEMS



1 E-507 FLEXZONE TEMPORARY FENCE AND GATE WIRING (TYPICAL)
NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT:

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LAND SURVEYING: 0021271
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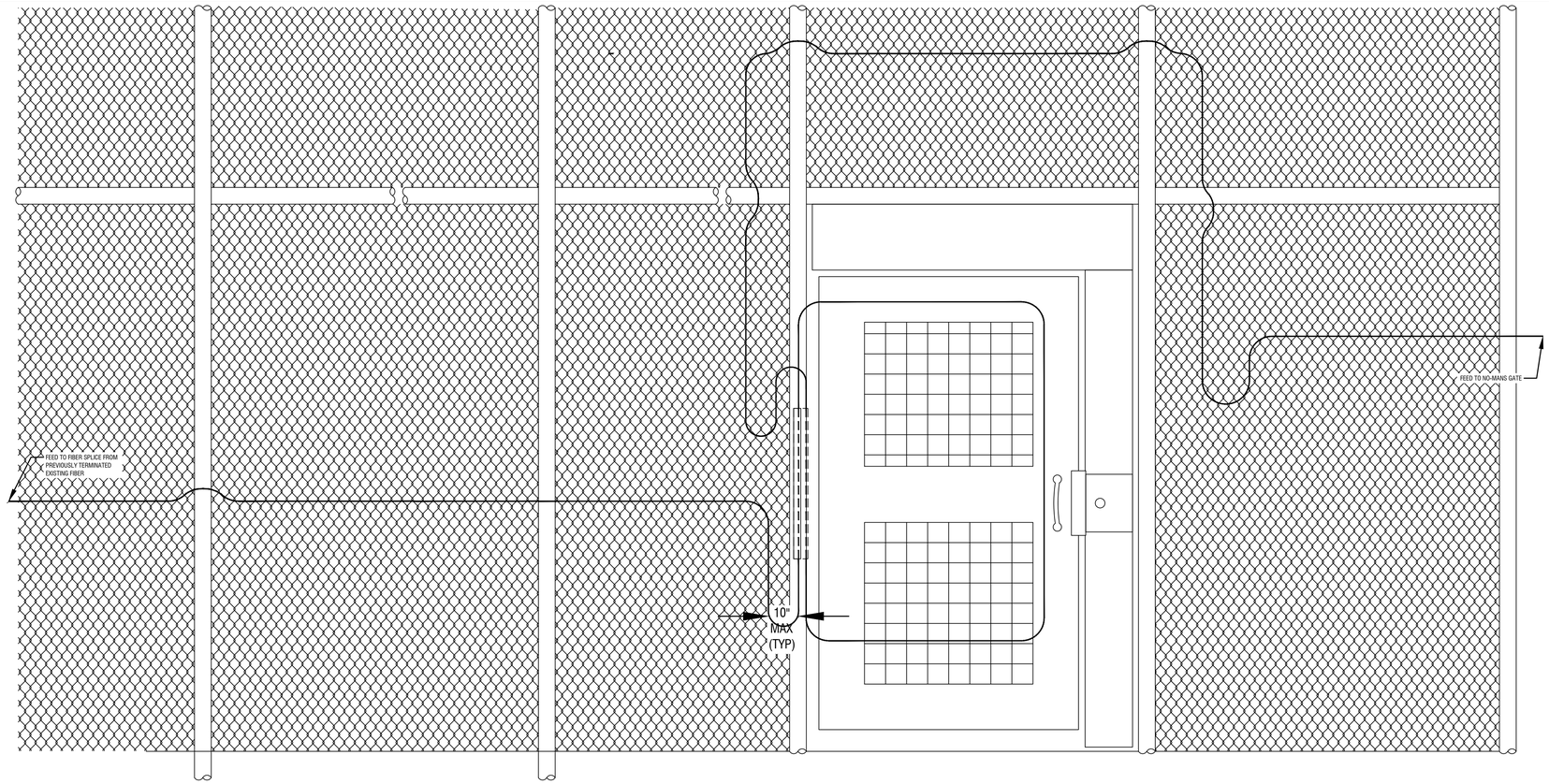
SHEET TITLE:
FENCE PROTECTION DETAILS

DRAWING NUMBER:
E-507

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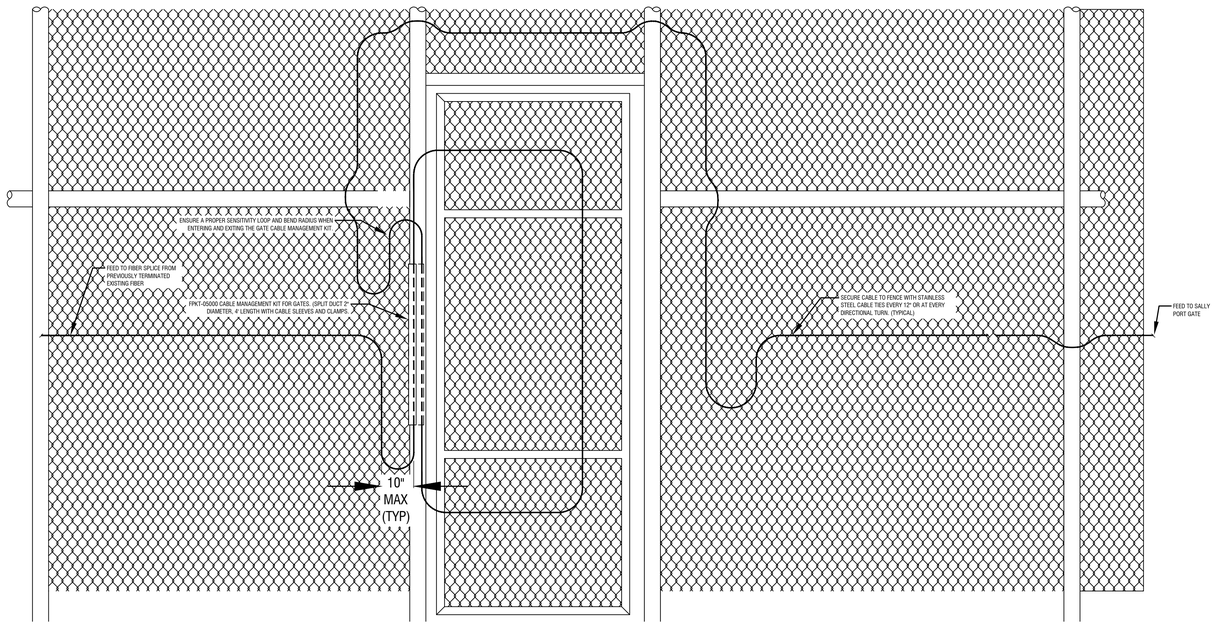
GENERAL NOTES

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2 E-508 SENSTAR FIBER PATROL FIBER OPTIC SALLY PORT GATE

SCALE: NOT TO SCALE



1 E-508 SENSTAR FIBER PATROL FIBER OPTIC NO-MANS GATE IN SALLY PORT

SCALE: NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT:

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TITLE:
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LOCATION:
GROVELAND CORRECTIONAL FACILITY
7000 SONYEA RD ROUTE 36
SONYEA, NY

CLIENT:
DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
2	11/12/2026	ADDENDUM #4
1	11/05/2026	ADDENDUM #3
FINAL	10/30/2026	BID DOCUMENTS

PROJECT NUMBER: 47463-E
DESIGNED BY: DS
DRAWN BY: DMC
FIELD CHECK:
APPROVED: NCH

SHEET TITLE:
FENCE PROTECTION DETAILS

DRAWING NUMBER:
E-508

2

11/12/2026 4:30 PM
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