NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 1 TO PROJECT NO. Q1962

CONSTRUCTION, HVAC, AND ELECTRICAL WORK
PROVIDE FACILITY CLOSURE
OGDENSBURG CORRECTIONAL FACILITY
1 CORRECTIONS WAY
OGDENSBURG, NY

August 27, 2025

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.

CONSTRUCTION WORK – SPECIFICATIONS

1. SECTION 321216 ASPHALT PAVING: Add the accompanying Section (pages 321216 – 1 thru 321216-6) to the Project Manual.

2. SECTION 323113 CHAIN LINK FENCES AND GATES: Add the accompanying Section (pages 323113 – 1 thru 323113-7) to the Project Manual.

CONSTRUCTION WORK - APPENDIX

3. SCHEDULE OF SUBMITTALS: Discard the Schedule of Submittals bound in the Project Manual and use the accompanying Schedule dated 8/26/2025.

ELECTRICAL WORK – SPECIFICATIONS

4. SECTION 271524 OPTICAL FIBER CABLES: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 271524-1 through 271524-10) noted "ADDENDUM 1".

5. SECTION 283105 MODIFICATIONS TO FIRE ALARM SYSTEM: Add the accompanying Section (pages 283105-1 through 283105-10) to the Project Manual.

ELECTRICAL WORK - APPENDIX

6. SCHEDULE OF SUBMITTALS: Discard the Schedule of Submittals bound in the Project Manual and use the accompanying Schedule dated 8/26/2025.

CONSTRUCTION WORK DRAWINGS

7. Revised Drawings:
   a. Drawing Nos. G-001 and G-101, noted "ADDENDUM #1", accompany this Addendum and supersede the same numbered originally issued drawings.

ELECTRICAL WORK DRAWINGS

8. Revised Drawings:
   a. Drawing Nos. E-101, E-102 and E-103, noted "ADDENDUM #1", accompany this Addendum and supersede the same numbered originally issued drawings.

9. Addendum Drawing:
   a. Drawing No. E-104, noted "ADDENDUM #1", accompanies this Addendum and forms part of the Contract Documents.

END OF ADDENDUM

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

SECTION 321216 - ASPHALT PAVING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Asphalt paving.
2. Asphalt curbs.
3. Asphalt traffic-calming devices.

B. Related Requirements:

1. Section 310000 "Earthwork" for subgrade preparation, fill material, separation geotextiles, unbound-aggregate subbase and base courses, and aggregate pavement shoulders.

1.2 REFERENCE STANDARDS

A. American Association of State Highway and Transportation Officials

1. AASHTO M 29 - Standard Specification for Fine Aggregate for Asphalt Mixtures
2. AASHTO M 140 - Standard Specification for Emulsified Asphalt
3. AASHTO M 208 - Standard Specification for Cationic Emulsified Asphalt
4. AASHTO M 288 - Standard Specification for Geosynthetic Specification for Highway Applications
5. AASHTO M 320 - Standard Specification for Performance-Graded Asphalt Binder
6. AASHTO R 97 - Standard Practice for Sampling Asphalt Mixtures
7. AASHTO T 245 - Standard Method of Test for Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus.

B. Asphalt Institute

1. AI MS-2 - Asphalt Mix Design Methods
2. AI MS-22 - Construction of Hot Mix Asphalt Pavements

C. ASTM International

1. ASTM D242 - Standard Specification for Mineral Filler for Asphalt Mixtures
2. ASTM D977 - Standard Specification for Emulsified Asphalt
3. ASTM D979 - Standard Practice for Sampling Bituminous Paving Mixtures
4. ASTM D1188 - Standard Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Coated Samples
5. ASTM D2027 - Standard Specification for Cutback Asphalt (Medium-Curing Type)
6. ASTM D2041 - Standard Test Method for Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures
7. ASTM D2397 - Standard Specification for Cationic Emulsified Asphalt

8. ASTM D2726 - Standard Test Method for Bulk Specific Gravity and Density of Non-Absorptive Compacted Asphalt Mixtures
9. ASTM D2950 - Standard Test Method for Density of Bituminous Concrete in Place by Nuclear Methods
10. ASTM D3141 - Standard Specification for Asphalt for Undersealing Portland-Cement Concrete Pavements
11. ASTM D3381 - Standard Specification for Viscosity-Graded Asphalt Binder for Use in Pavement Construction
12. ASTM D3549 - Standard Test Method for Thickness or Height of Compacted Asphalt Mixture Specimens
13. ASTM D3666 - Standard Specification for Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials
14. ASTM D3910 - Standard Practices for Design, Testing, and Construction of Slurry Seal
15. ASTM D6373 - Standard Specification for Performance Graded Asphalt Binder
16. ASTM D6690 - Standard Specification for Joint and Crack Sealants, Hot Applied, for Concrete and Asphalt Pavements
17. ASTM D6927 - Standard Test Method for Marshall Stability and Flow of Asphalt Mixtures

D. New York State Department of Transportation (NYS DOT)

1. DOT 300 – Bases and Subbases
2. DOT 400 – Asphalt Mixture and Pavement
3. DOT 600 – Incidental Construction
4. DOT MM 5.16 - Asphalt Mixture Design And Mixture Verification Procedures

1.3 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. Product Data: Include manufacturer / provider / plant name, product name, technical data and tested physical and performance properties.

1. Paving geotextile.

a. Including specifications, MSDS as required, adhesion type and rate, and installation instructions.

E. Asphalt Designs:

1. Certification, by authorities having jurisdiction, of approval of each asphalt design proposed for the Work.
2. NYSDOT Approved Plant name, Number, and location of the asphalt plant for each asphalt design proposed for the Work.

3. Asphalt Mix Design Test results that are less than 6 months old for each mix proposed for the Work.

F. Qualification Data: For paving-mix manufacturer and testing agency.

G. Material Delivery Tickets for pavement materials including the following information.

1. Ticket Number.
2. Plant Identification.
3. Project Name.
4. Mix Type.
5. Quantity of material in vehicle.
6. Date and Time.

H. Field quality-control reports.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: A paving-mix manufacturer registered with and approved by the NYS Department of Transportation.

B. Testing Agency Qualifications: Qualified in accordance with ASTM D3666 for testing indicated.

C. Regulatory Requirements: Comply with materials, workmanship, and other applicable requirements of NYS Department of Transportation Standard Specifications for asphalt paving work.

1. Measurement and payment provisions and safety program submittals included in standard specifications do not apply to this Section.

1.5 FIELD CONDITIONS

A. Environmental Limitations: Do not apply asphalt materials if subgrade is wet or excessively damp, or if rain is imminent or expected before time required for adequate cure.

B. Discontinue paving when surface temperatures fall below requirements listed in NYSDOT Table 404-1 unless otherwise specified in the General Conditions of this Contract or as directed by the Director's Representative.

C. Pavement is restricted by dates listed in the General Conditions.

PART 2 - PRODUCTS

2.1 AGGREGATES

A. All aggregate used in design mixes shall be as specified in NYS DOT Specification Section 401-2.02 B; Coarse Aggregate Type F2 Conditions.

2.2 ASPHALT MATERIALS

A. Asphalt: Use aggregate and PG binder from suppliers listed in the NYS DOT's Approved List for Fine and Coarse Aggregates and Performance Graded (PG) Binders and Warm Mix Technology for Asphalt Paving respectively. Mineral filler shall meet the requirements of NYS DOT Section 703-08.

B. Supply approved asphalt mixtures that meet the requirements of NYS DOT MM 5.16 *Asphalt Mixture Design and Mixture Verification Procedures*. Each mixture must be obtained from a single plant for the duration of the project. The following NYS DOT items only shall be utilized for this project:

1. 12.5 Top Course Top Course Asphalt (Large Parking Lots & Access Roads).
2. 25.0 Binder Course Asphalt.
3. 37.5 Base Course Asphalt.
4. Trueing & Leveling Course: DOT Table 404-2 *Mixture Selection for T&L Course.*

C. Asphalt Cement Tack Coat.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that subgrade is dry and in suitable condition to begin paving.

B. Proceed with paving only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Protection: Provide protective materials, procedures, and worker training to prevent asphalt materials from spilling, coating, or building up on curbs, driveway aprons, manholes, and other surfaces adjacent to the Work.

B. Subgrade compaction shall adhere to Section 310000.

3.3 SURFACE PREPARATION

A. Prepare existing surfaces in accordance with DOT Section 402-3.05, Conditioning of Existing Surface.

B. Ensure that prepared subgrade has been proof-rolled and is ready to receive paving. Immediately before placing asphalt materials, remove loose and deleterious material from substrate surfaces.

3.4 ASPHALT PLACEMENT

A. Spread and Finish asphalt in accordance with DOT Section 404-3.06, Spreading and Finishing.

B. Remove and restore paved areas that are defective or contaminated as delineated by the Director's Representative at no additional cost to the State.

3.5 JOINTS

A. Asphalt joints shall be in accordance with DOT Section 404-3.09, Joints.

3.6 COMPACTION

A. Provide compaction of asphalt mixtures in general accordance with DOT Section 404-3.07, Compaction, Paragraph D, 80 Series Compaction Methods, specifically meeting the minimum requirements as shown in Table 404-3 Number of Passes.

1. The Director's Representative may increase or decrease the number of passes to obtain adequate density of the compacted asphalt.
2. The Director's Representative may also approve alternate compaction procedures where the specified procedures are not applicable.
3. Testing to be performed at the direction of and in locations chosen by the Director's Representative. Target compaction is 95% (92% - 97% range is acceptable; as mixture maximum theoretical density).

3.7 INSTALLATION TOLERANCES

A. Pavement Thickness: Compact each course to produce thickness indicated within the following tolerances:

1. Base Course, Binder Course and Surface Course: Plus or minus ¼ inch when the total thickness is 4 inches or less. Plus or minus ½ inch when the total thickness is over 4 inches but not more than 8 inches. When the asphalt mixture is placed on newly constructed subbase material, an additional tolerance of ½ inch will be allowed both in the nominal thickness of the course placed directly on the subbase and the total pavement thickness.

B. Pavement Surface Smoothness: Compact each course to produce surface smoothness within the following tolerances as determined by using a 10-foot straightedge applied transversely or longitudinally to paved areas:

1. Base Course and Binder Course: 1/4 inch.
2. Surface Course: 1/4 inch.
3. Variations exceeding ¼ inch will be appropriately corrected or the pavement be removed and replaced at no additional cost to the State.

3.8 FIELD QUALITY CONTROL

A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.

B. Thickness: In-place compacted thickness of asphalt courses will be determined in accordance with ASTM D3549.

C. Surface Smoothness: Finished surface of each asphalt course will be tested for compliance with smoothness tolerances.

D. Density Testing: Testing agency will take samples of uncompacted paving mixtures and compacted pavement in accordance with ASTM D979.

1. Reference maximum theoretical density will be determined by averaging results from four samples of asphalt-paving mixture delivered daily to site, prepared in accordance with ASTM D2041, and compacted in accordance with job-mix specifications.
2. Density of compacted pavement will be determined by nuclear method in accordance with ASTM D2950 and coordinated with ASTM D1188 or ASTM D2726.

E. Remove and replace or install additional asphalt where test results or measurements indicate that it does not comply with specified requirements.

END OF SECTION 321216

SECTION 323113 - CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Chain-link fences.
2. Manually operated swing gates.
3. Manually operated horizontal-slide gates.
4. Privacy slats.

1.2 REFERENCES

A. Comply with ASTM A53 for requirements of Schedule 40 piping.

1.3 DEFINITIONS

A. Height of Fence: Distance measured from the top of concrete footing to the top of fabric.

1.4 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. Shop Drawings: Complete detailed drawings for each height and style of fence and gate required. Include separate schedule for each listing all materials required and technical data such as size, weight, and finish, to ensure conformance to specifications.

F. Product Data: Manufacturer's catalog cuts, specifications, and installation instructions for each item specified.

G. Samples:

1. Fence Fabric: Minimum one square foot.
2. Fence and Gate Posts: Two each, one foot long, if requested.

3. Miscellaneous Materials and Accessories: One each, if requested.

1.5 QUALITY ASSURANCE

A. Comply with standards of the Chain Link Fence Manufacturer's Institute.

B. Provide steel fence and related gates as a complete compatible system including necessary erection accessories, fittings, and fastenings.

C. Posts and rails shall be continuous without splices.

D. Concrete batching plants shall be currently approved as concrete suppliers by the New York State Department of Transportation.

1.6 DELIVERY

A. Coordinate delivery of anchors and other accessories to be built into other Work, to avoid delay. Furnish instructions and templates as required for accurate location.

1.7 FIELD CONDITIONS

A. Field Measurements: Verify layout information for chain-link fences and gates shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Class B Steel Tubing (Option):

1. SS-40 Fence Pipe by Allied Tube & Conduit Corp., 16100 S. Lathrop Ave., Harvey, IL, 60426, (800) 882-5543.
2. AP-40 Fence Framework by American Tube and Pipe Co., Inc., 2525 N. 27th Ave., Phoenix, AZ 85009, (800) 669-8823.

2.2 STEEL FRAMEWORK (FOR FENCES 6'-1" - 10'-0" HIGH)

A. End Posts, Corner Posts and Pull Posts:

1. Pipe: 2.875 inches OD, 5.79 pounds per linear foot (Schedule 40).
2. Class B Steel Tubing: 2.875 inches OD, 4.64 pounds per linear foot.
3. Roll Formed C-Section: ASTM A 570 Grade 45, 3.5 inches by 3.5 inches by 0.128-inch thick, with minimum bending strength of 486 pounds under a 6-foot cantilever load.

B. Line Posts:

1. Pipe: 2.375 inches OD, 3.65 pounds per linear foot (Schedule 40).
2. Class B Steel Tubing: 2.375 inches OD, 3.11 pounds per linear foot.
3. Roll Formed C-Section: ASTM A 570 Grade 45, 2.25 inches by 1.70 inches by 0.121-inch thick, with minimum bending strength of 316 pounds under a 6-foot cantilever load.

2.3 STEEL FABRIC

A. One-piece widths for fence heights up to 12'-0".

B. Chain link, 2-inch mesh, No. 9 gauge.

C. Selvages: Top edge twisted and barbed; bottom edge knuckled.

2.4 SWING GATE POSTS

A. Single width of gate up to 6'-0" wide and less than 10'-0" high:

1. Pipe: 2.875 inches OD, 5.79 pounds per linear foot (Schedule 40).
2. Class B Steel Tubing: 2.875 inches OD, 4.64 pounds per linear foot.
3. Roll Formed C-Section: ASTM A 570 Grade 45, 3.5 inches 3.5 inches by 0.128-inch thick, with minimum bending strength of 486 pounds under a 6-foot cantilever load.

2.5 SWING GATE FRAMES

A. Height: 6'-0" - 12'-0", or leaf width exceeding 8'-0":

1. Pipe: 1.90 inches OD, 2.72 pounds per linear foot (Schedule 40).
2. Square Tubing: 2 inches OD, 2.60 pounds per linear foot.
3. Class B Steel Tubing: 1.90 inches OD, 2.28 pounds per linear foot.

B. Assemble gate frames by welding or with special steel fittings and rivets for rigid connections. Install mid-height horizontal rails on gates over 10 feet high. When width of gate leaf exceeds 10 feet, install mid-distance vertical bracing of the same size and weight as frame members. When either horizontal or vertical bracing is not required, provide truss rods as cross bracing to prevent sag or twist.

2.6 SWING GATE HARDWARE

A. Hinges, Type "B" and "C" Gates: Pressed Steel 180-degree gate hinge item no. 014005 or appropriate for use by Hearne Steel Company, Inc.

B. Keeper for Double Gates: Keeper which automatically engages the gate leaf and holds it in open position until manually released.

C. Locks:

1. Drop bar type complete with flush plate set in concrete. For double gates provide full height drop bar and keeper. Padlock eye shall be an integral part of latch construction.

D. Holdbacks for Vehicle Gates: Type which automatically engages the gate leaf and holds it in open position until manually released.

2.7 MISCELLANEOUS MATERIALS AND ACCESSORIES

A. Rails and Post Braces:

1. Pipe: 1.660 inches OD, 2.27 pounds per linear foot (Schedule 40).
2. Class B Steel Tubing: 1.660 inches OD, 1.84 pounds per linear foot.
3. Roll formed C-Section: 1.625 inches by 1.25 inches by 0.0747-inch thick with minimum bending strength of 192 pounds on a 10-foot span.

B. Fittings and Post Tops: Steel, wrought iron, or malleable iron.

1. Fasteners: Tamper-resistant cadmium plated steel screws.

C. Stretcher Bars: One piece equal to full height of fabric, minimum cross-section 3/16 inch by 3/4 inch.

D. Metal Bands (for securing stretcher bars): Steel, wrought iron, or malleable iron.

E. Wire Ties: Conform to American Steel Wire gauges.

1. For tying fabric to line posts, rails and braces: 9 gauge (.1483 inch) steel wire.

F. Truss Rods: 3/8-inch diameter.

G. Concrete: Portland Cement concrete having a minimum compressive strength of 4,000 psi at 28 days.

H. Spiral Paper Tubes:

1. Sonotube by Sonoco Products Co., North Second St., Hartsville, SC 29550, (800) 377-2692.
2. Quik-Tube by Quikrete Companies, 5 Concourse Parkway, Suite 1900, Atlanta, GA 30328, (800) 282-5828.
3. Approved equivalent.

I. Cold Galvanizing Compound: Single component compound giving 93 percent pure zinc in the dried film, and meeting the requirements of DOD-P-21035A (NAVY).

2.8 BARBED WIRE

A. Two strand 12-1/2-gauge steel wire, with 14 gauge 4-point steel barbs spaced 5 inches o.c.

B. Extension Arms: Pressed steel, wrought iron, or malleable iron, complete with provision for anchorage to posts (including light posts) and attaching 3 rows of barbed wire to each arm.

1. Type: Single 45 degree arm; one for each post.

2.9 FINISHES

A. Steel Framework:

1. Pipe: Galvanized in accordance with ASTM A 53, 1.8 ounces zinc per square foot.
2. Class B Steel Tubing: Exterior; 1.0 ounces zinc per square foot plus chromate conversion coating and clear polyurethane. Interior; zinc rich organic coating.
3. Roll Formed C-Section: Galvanized in accordance with ASTM A 123, 2.0 ounces zinc per square foot.

B. Fabric; one of the following:

1. Galvanized Finish: ASTM A 392 class II zinc coated after weaving, with 2.0 ounces per square foot.

C. Fence and Gate Hardware, Miscellaneous Materials, Accessories:

1. Wire Ties: Galvanized Finish, ASTM A 90 1.6 ounces zinc per square foot, or aluminized finish, ASTM A 809 0.40 ounces per square foot.
2. Hardware and Miscellaneous Items: Galvanized Finish, ASTM A 153 (Table 1).
3. Extension Arms: Hot-dip galvanized after fabrication, ASTM 123, 2.0 ounces zinc per square foot.
4. Angle Beams, I Beams, and Steel Shapes: Galvanized in accordance with ASTM A 123, 2.0 ounces zinc per square foot.

D. Barbed Wire and Tension Wire; one of the following:

1. Galvanized Finish: ASTM A 121 class 3, 0.80 ounces per square foot.

PART 3 - EXECUTION

3.1 PREPARATION

A. Clear and grub along fence line as required to eliminate growth interfering with alignment. Remove debris from State property.

B. Do not begin installation of fence in areas to be cut until finished grading has been completed.

C. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

3.2 INSTALLATION

A. Space posts equidistant in the fence line with a maximum of 10 feet on center.

B. Setting Posts in Earth: Drill holes for post footings. If existing grade at the time of installation is below finished grade, provide spiral paper tubes to contain concrete to finish grade elevation. Set posts in center of hole and fill hole with -concrete. Plumb and align posts. Vibrate or tamp concrete for consolidation. Finish concrete in a dome shape above finish grade elevation to shed water. Do not attach fabric to posts until concrete has cured a minimum of 7 days.

C. Setting Posts in Rock: Drill holes into solid rock one inch wider than post diameter, 18 inches deep for end, pull, corner, and gate posts, and 12 inches deep for line posts. Set posts into holes and fill annular space with shrink-resistant grout.

D. Locate corner posts at corners and at changes in direction. Use pull posts at all abrupt changes in grade.

E. Install top rail continuously through post tops or extension arms, bending to radius for curved runs. Install expansion couplings as recommended by fencing manufacturers.

F. Install bottom and intermediate rails in one piece between posts and flush with post on fabric side using special offset fittings where necessary.

G. Brace corner posts, pull posts, end posts, and gate posts to adjacent line posts with horizontal rails.

H. Diagonally brace corner posts, pull posts, end posts, and gate posts to adjacent line posts with truss rods and turnbuckles.

I. Attach fabric to security side of fence. Maintain a 2-inch clearance above finished grade except when indicated otherwise. Thread stretcher bars through fabric using one bar for each gate and end post and 2 for each corner and pull post. Pull fabric tight so that the maximum deflection of fabric is 2 inches when a 30-pound pull is exerted perpendicular to the center of a panel. Maintain tension by securing stretcher bars to posts with metal bands spaced 15 inches oc. Fasten fabric to steel framework with wire ties spaced 12 inches of for line posts and 24 inches oc for rails and braces. Bend back wire ends to prevent injury. Tighten stretcher bar bands, wire ties, and other fasteners securely.

J. Position bolts for securing metal bands and hardware so nuts are located opposite the fabric side of fence. Tighten nuts and cut off excess threads so no more than 1/8 inch is exposed. Peen ends to prevent loosening or removal of nuts.

1. Secure post tops and extension arms with tamper-resistant screws.

K. Install gates plumb and level and adjust for full opening without interference. Install ground-set items in concrete for anchorage, as recommended by fence manufacturer. Adjust hardware for Delete paragraph below when not required.

L. Aluminum Slats: Install where indicated aluminum slats in every diagonal run of links in both directions for the full height of the fence. Crimp and staple with monel staples at the top and bottom of fabric. Overlap and staple spliced slats.

M. Wire brush and repair welded and abraded areas of galvanized surfaces with one coat of cold galvanizing compound.

N. Restore disturbed ground areas to original condition. Topsoil and seed to match adjacent areas.

3.3 DEMONSTRATION

A. Fence contractor to train Facility's maintenance personnel to adjust, operate and maintain chain-link fences and gates.

END OF SECTION 323113

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.: Q1962-C

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:
007213			**GENERAL CONDITIONS**					
007213		**PD**	ARTICLE 6: Designate in writing competent supervision and/or management representatives as required - **include contact number in case of an emergency after work hours, including weekends and holidays (see 011000 Summary of Work)**	F				
007213		**PD**	ARTICLE 8: Permits and licenses	F				
011100			**SAFETY**					
011100		**QCS**	Site Specific Safety Plan	RSM				
011100		**QCS**	Employee Safety Orientation Training and Certificates					
011100		**QCS**	Emergency Action and Evacuation Plan					
013113			**PROJECT SCHEDULE**					
013200			**CONSTRUCTION PROGRESS DOCUMENTATION**					
013200		**QCS**	Scheduler Preparer Qualifications	S	X			
013200		**QCS**	Preliminary Project Schedule	S	X			
013200		**QCS**	Baseline Project Schedule	S	X			
013200		**QCS**	CMU-01 Agreement Form	S	X			
013300			**SUBMITTALS**					
013300		**PD**	Schedule of Submittals (This form completed and editted)	F	X			
013300		**QCS**	Submittal Coordinator Qualifications	F/O	X			
014339			**MOCKUP REQUIREMENTS**					
014339		**SD**	Mockup Plan: Detailed, dimensioned plans and elevations.	F				
015634			**MAINTAINING PERIMETER SECURITY DEPARTMENT OF CORRECTIONAL SERVICES**					
015634		**PACK**	For each system listed in subparagraphs 1.01, A., 1. thru 7., submit the following service organization information: Name, address and telephone numbers of nearest fully equipped service organization - SUBMIT WITHIN 30 DAYS OF AWARD	F/O				
015634		**PACK**	For each system listed in subparagraphs 1.01, A., 1. thru 7., submit the following service organization information: Certified statement from the manufacturer of the existing system, stating that the service organization is capable to install and service the manufacturer's equipment and that the service organization is experienced in working on that manufacturer equipment - SUBMIT WITHIN 30 DAYS OF AWARD	F/O				

SCHEDULE OF SUBMITTALS

PROJECT NO.: Q1962-C

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:
017716			**CONTRACT CLOSEOUT**					
017716		**CCS**	Project Record Documents	F				
017716		**CCS**	Operation and maintenance, 2 copies	F				
017716		**CCS**	Warranties	F				
017716		**CCS**	Spare Parts and Maintenance Materials	F				
023313			**UNDERGROUND UTILITY LOCATOR SERVICE**					
023313		**PD**	Submit detailed experience and qualifications description of underground utility locator service	D				
023313		**QCS**	Investigative Report	D				
028003			**DISPOSAL OF NON-HAZARDOUS INDUSTRIAL-COMMERCIAL WASTE**					
028003		**QCS**	Detailed list of the codes, rules and regulations which are understood to govern the Work.	D				
028003		**QCS**	Listing of licenses or permits issued by government agencies authorizing the handling of the waste by the qualified Company, transporter, and operator of the disposal facility	D				
028003		**QCS**	Detailed step by step procedure indicating how the Work is to be accomplished	D				
028003		**QCS**	Qualified Company Data	D				
028213			**ASBESTOS ABATEMENT**					
028213		**PD**	Disposal Bags	D				
028213		**PD**	Fireproofing	D				
028213		**PD**	Glove Bags	D				
028213		**PD**	Negative Air Pressure Units	D				
028213		**PD**	HEPA Filters (Negative Air Pressure Units)	D				
028213		**PD**	HEPA Filters (Respirators)	D				
028213		**PD**	HEPA Filters (Vacuum Cleaners)	D				
028213		**PD**	Respirators	D				
028213		**PD**	Vacuum Cleaners	D				
028213		**QCS**	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the completed DOSH-751 and DOSH-465 forms	D				
028213		**QCS**	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the New York State Department of Labor site specific variance decision.	D				
028213		**QCS**	Notification Compliance Data	D				
028213		**QCS**	Work Plan	D				
028213		**QCS**	Abatement Contractor's Qualifications Data	D				
028213		**QCS**	Abatement Worker's Qualifications Data	D				
028213		**QCS**	Testing Lab Qualifications Data	D				
028213		**QCS**	Waste Transporter Permit	D				
028213		**QCS**	Landfill Permit	D				
028213		**QCS**	Waste Shipment Records and Disposal Site Receipts	D				

SCHEDULE OF SUBMITTALS

PROJECT NO.: Q1962-C

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:
028213			**ASBESTOS ABATEMENT (cont'd)**					
028213		**QCS**	Daily Log	D				
028213		**QCS**	Certificates	D				
028213		**QCS**	Air Monitoring Data	D				
028213		**CCS**	Operation and Maintenance Data	F				
028304			**HANDLING OF LEAD CONTAINING MATERIALS**					
028304		**PD**	Resppirators	D				
028304		**PD**	HEPA Filters (Respirators)	D				
028304		**PD**	HEPA Filters (Vacuum Cleaners)	D				
028304		**PD**	Vacuum Cleaners	D				
028304		**PD**	Disposal Bags	D				
028304		**QCS**	Work Plan	D				
028304		**QCS**	Lead Handling Contractor's Qualifications Data	D				
028304		**QCS**	Lad Handling Worker's Qualifications Data	D				
028304		**QCS**	Testing Lab Qualifications Data	D				
028304		**QCS**	Waste Transporter Permit	D				
028304		**QCS**	Landfill Permit	D				
028304		**QCS**	Disposal Site Receipts	D				
028304		**QCS**	Test Data	D				
028304		**QCS**	Certificates	D				
028402			**IDENTIFYING DIELECTRIC FLUIDS**					
028402		**QCS**	Testing Laboratory Data	D				
028402		**CCS**	Final Report	F				
028433			**ABATEMENT OF PCB CONTAINING CAULK-SEALANT MATERIALS**					
028433		**PD**	Disposal Drums	D				
028433		**PD**	Respirators	D				
028433		**PD**	Vacuum Cleaners	D				
028433		**QCS**	Abatement Worker’s Qualifications Data	D				
028433		**QCS**	Work Plan	D				
028433		**QCS**	Waste Transporter Permit	D				
028433		**CCS**	Disposal Site Receipts	F				
036000			**GROUTING**					
036000		**QCS**	Manufacturer Qualifications	D				
036000		**PD**	Portland Cement Grout	D				
036000		**PD**	Rapid-Curing Epoxy Grout	D				
036000		**PD**	Nonshrink Cementitious Grout	D				
310000			**EARTHWORK**					
310000		**QCS**	Testing Agency Qualification	D				
310000		**PD**	Suitable Material (Fill and Backfill for Landscaped Areas)	D				

SCHEDULE OF SUBMITTALS

PROJECT NO.: Q1962-C

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:
310001			**EARTHWORK MATERIALS**					
310001		**PD**	Select Granular Material	D				
310001		**PD**	Subbase Course Type 2	D				
310001		**PD**	Selected Fill	D				
310001		**PD**	Blend of No. 1 and No. 2 Crushed Stone	D				
310001		**PD**	No. 2 Course Aggregate	D				
310001		**PD**	Pipe Bedding and Pipe Zone Backfill	D				
310001		**PD**	Rip Rap	D				
310001		**PD**	Topsoil	D				
310001		**PD**	Geotextiles	D				
312319			**DEWATERING**					
312319		**SD**	Dewatering System	D				
312319		**CCS**	Record Drawings	F				
321216			**ASPHALT PAVING**					
321216		**QCS**	Manufacturer Qualification (NYSDOT Approval)	D				
321216		**QCS**	Testing Agency Qualifications	D				
321216		**PD**	Aggregates	D				
321216		**PD**	Asphalt Mixture	D				
321216		**PD**	Asphalt Cement Tack Coat	D				
321216		**CCS**	Field Quality-Control Reports	F				
321216		**CCS**	Material Delivery Tickets	F				
323113			**CHAIN LINK FENCES AND GATES**					
323113		**SD**	Fence and Fence Gate	D				
323113		**SAM**	Fence Fabric	D				
323113		**SAM**	Fence and Gate Posts	D				
323113		**PD**	End Posts, Corner Posts and Pull Posts	D				
323113		**PD**	Line Posts	D				
323113		**PD**	Fence Fabric	D				
323113		**PD**	Gate Posts	D				
323113		**PD**	Gate Frame	D				
323113		**PD**	Gate Hardward	D				
323113		**PD**	Accessories	D				
323113		**PD**	Barbed Wire	D				
329200			**TURF AND GRASSES**					
329200		**PD**	Seed Mix	D				
329200		**PD**	Turfgrass Sod	D				
329200		**PD**	Fertilizer	D				
329200		**PD**	Straw Mulch	D				
329200		**PD**	Fiber Mulch	D				
330130.11			**TELEVISION INSPECTIONS OF SEWERS**					
330130.11		**SD**	Sewer Bypass Plan	D				
330130.11		**SD**	Spill Plan	D				
330130.11		**QCS**	Applicator Qualifications	D				
330130.11		**CCS**	Inspection Logs	F				

SCHEDULE OF SUBMITTALS

PROJECT NO.: Q1962-C

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:
330130.61			**PACKER INJECTION GROUTING**					
330130.61		**QCS**	Applicator Qualifications	D				
330130.61		**PD**	Grout Sealant	D				
330130.61		**PD**	Catalyst	D				
330130.61		**PD**	Root Growth Inhibitor	D				
330130.61		**PD**	Portland Cement	D				
330130.61		**CCS**	Record Drawing	F				
330130.72			**CURED-IN-PLACE PIPE LINING**					
330130.72		**QCS**	Workers' Qualifications	D				
330130.72		**QCS**	Manufacturer's Certificate	D				
330130.72		**PD**	Liner Material	D				
330130.72		**PD**	Curing Chemicals	D				
330130.72		**PD**	Lubricants	D				
330130.72		**SD**	Design Calculations (stamped and signed by licensed professional engineer)	D				
330130.72		**CCS**	Record Drawing	F				
330130.79			**FOLD-AND-FORM PIPE LINING**					
330130.79		**QCS**	Workers' Qualifications	D				
330130.79		**QCS**	Manufacturer's Certificate	D				
330130.79		**PD**	Liner Material	D				
330130.79		**SD**	Design Calculations (stamped and signed by licensed professional engineer)	D				
330130.79		**CCS**	Record Drawing	F				
330130.81			**REHABILITATION OF MANHOLES**					
330130.81		**PD**	Fiberglass Manhole Liner	D				
330130.81		**PD**	Grade Extension Rings	D				
330130.81		**PD**	Frame and Cover	D				
330130.81		**PD**	Epoxy Mortar Mix	D				
330130.86			**MANHOLE RIM ADJUSTMENT**					
330130.86		**QCS**	Manufacturer's Certificate	D				
330130.86		**PD**	Grade Extension Rings	D				
330130.86		**PD**	Frame and Cover	D				
330130.86		**CCS**	Record Drawing	F				
331413			**PUBLIC WATER UTILITY DISTRIBUTION PIPING**					
331413		**QCS**	Manufacturer's Certificate	D				
331413		**PD**	Water Piping	D				
331413		**PD**	Pipe Supports	D				
331413		**PD**	Protective Coating	D				
331413		**PD**	Accessories	D				
331413		**CCS**	Record Drawing	F				

SCHEDULE OF SUBMITTALS

PROJECT NO.: Q1962-C

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:
331419			**VALVES AND HYDRANTS FOR WATER UTILITY**					
331419		**QCS**	Manufacturer's Certificate	D				
331419		**QCS**	Workers' Qualifications	D				
331419		**PD**	Valves	D				
331419		**PD**	Valve Boxes	D				
331419		**PD**	Accessories	D				
331419		**CCS**	Record Drawing	F				
330505.33			**INFILTRATION AND EXFILTRATION TESTING**					
330505.33		**QCS**	Test Procedures per 330505.33, Section 1.2, Pargraph D	D				
330505.33		**QCS**	Applicator Qualifications	D				
330505.33		**CCS**	Test and Evaluation Results	D				
330505.36			**VACUUM TESTING**					
330505.36		**QCS**	Test Procedures per 330505.36, Section 1.3, Pargraph D	D				
330505.36		**QCS**	Applicator Qualifications	D				
330505.36		**CCS**	Test and Evaluation Results	D				
330505.43			**MANDREL TESTING**					
330505.43		**QCS**	Test Procedures per 330505.43, Section 1.3, Pargraph D	D				
330505.43		**QCS**	Applicator Qualifications	D				
330505.43		**CCS**	Test and Evaluation Results	D				
330561			**CONCRETE MANHOLES**					
330561		**QCS**	Manufacturer Qualification	D				
330561		**SD**	Manhole Sections	D				
330561		**PD**	Mortar and Grout	D				
330561		**PD**	Joint Gaskets	D				
330561		**PD**	Frames and Covers	D				
330561		**SD**	Riser Rings	D				
330563			**CONCRETE VAULTS AND CHAMBERS**					
330563		**QCS**	Manufacturer Qualification	D				
330563		**SD**	Manhole Sections	D				
330563		**PD**	Mortar and Grout	D				
330563		**PD**	Joint Gaskets	D				
330563		**PD**	Frames and Covers	D				
330563		**SD**	Riser Rings	D				
330563		**PD**	Concrete Mix	D				
330597			**IDENTIFICATION AND SIGNAGE FOR UTILITIES**					
330597		**QCS**	Manufacturer Qualification	D				
330597		**PD**	Detectable Warning Tape	D				
333100			**SANITARY SEWERAGE PIPING**					
333100		**PD**	Sanitary Sewerage Piping	D				
333100		**PD**	Couplings	D				
333100		**CCS**	Record Drawing	F				

ADDENDUM 1

SECTION 271524 - OPTICAL FIBER CABLES

PART 1 - GENERAL

1.1 DEFINITIONS

A. Company Field Advisor - An individual meeting the requirements of 1 or 2 below:

1. An employee of the company producing the optical fiber cables, who is certified in writing by the company to be technically qualified in design, installation, servicing, and testing of the required products. Personnel involved solely in sales do not qualify.
2. An individual employed by an organization, other than the company producing the optical fiber cables, certified in writing by the company producing the optical fiber cables, that the individual is technically qualified in design, installation, servicing and testing of the required products and is capable to act as company field advisor in their behalf. Personnel involved solely in sales do not qualify.

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 product data, samples, and quality control submittals specified below at the same time as a package.

F. Product Data:

1. Catalog sheets, specifications, and installation instructions for all products.
2. Complete manufacturer's construction details and specifications for the cables. Include for each type of cable:

    a. Physical and optical characteristics of the optical fibers.

        1) Cable manufacturer's certified test data (attenuation, bandwidth).

    b. Physical characteristics of strength members, and jackets.
    c. Maximum pulling strain allowed.
    d. Crush resistance.
    e. Overall dimension of cable.

3. Splicing and termination data, including the following:

    a. List of materials.
    b. Method of connecting cables.
    c. Details of cable preparation.
    d. Method of applying materials, including quantities.
    e. Precautionary measures.
    f. Drawings showing method of splicing complete with dimensions.
    g. Written statement from cable manufacturer that splices and terminations submitted are acceptable for use with their cable.
    h. Written statement from splicing/termination manufacturer that the connectors submitted are suitable for the proposed application.
    i. Written statement from cable manufacturer that the cable breakout and splitter kits submitted are acceptable for use with their cable.

4. Statement from the Company producing the optical fiber transmitter and receiver system for which the optical fiber cables are proposed to be used, indicating that the optical characteristics meet the requirements of the Company.
5. Written statement from cable manufacturer indicating recommended pulling compounds.

G. Samples:

1. Two-foot sample of each type of cable proposed for use.
2. One sample of each connector proposed for use.
3. One sample of each breakout and splitter kit proposed for use.

H. Quality Control Submittals:

1. Cable Installer's Qualifications Data:

    a. Name of each person who will be performing the Work and their employer's name, business address and telephone number.
    b. Name and addresses of the required number of similar projects worked on which meet the experience criteria.

2. Company Field Advisor Qualifications Data:

    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.

3. Cable Splicer's Qualifications Data:

    a. Name of each person who will be performing the Work and their employer's name, business address and telephone number.
    b. All information required showing that the experience criteria have been met.

I. Contract Closeout Submittals:

1. Post installation test report.

1.3 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 five comparable installations that can prove the proposed products have performed satisfactorily for 3 years. Certify in writing that the owners of the five 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 two 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.

B. Cable Installer's Qualifications: The persons installing the Work of this Section and their Supervisor shall be personally experienced in optical fiber cable systems and shall have been engaged in the installation of optical fiber cable systems for a minimum of 3 years.

1. Furnish to the Director the names and addresses of five similar projects that the foregoing people have worked on during the past 3 years.

C. Company Field Advisor: Secure the services of the cable manufacturer's Company Field Advisor for a minimum of forty working hours for the following:

1. Render advice regarding method of installing cable.
2. Inspection of equipment for installing cable.
3. Witness a representative amount of cable pulling.

    a. Company Field Advisor must witness a minimum of 25 percent of the cable pulling.

4. Witness installation of at least one splice and one termination by each cable splicer who will be doing the actual cable splicing.

    a. If the splices or terminations are other than the cable manufacturer's, secure the services of the splice and termination manufacturer's Company Field Advisor to concurrently witness installation of the splices and terminations and also certify with an affidavit that the splices and terminations were installed in accordance with the splice and termination manufacturer's recommendations.

5. Witness post installation test.
6. Certify with an affidavit that the aforementioned particulars are satisfactory, and the cable is installed in accordance with cable manufacturer's recommendations.

D. Cable Splicers' Qualifications: The persons installing the optical fiber splices and/or terminations, and their Supervisor, shall be personally experienced in splicing and terminating optical fiber cable systems and shall have been engaged in the installation of optical fiber cable systems for a minimum of 3 years.

1. Experience should be in the same types of splices and terminations proposed for this project and each project listed should be of similar size, as this project requires.
2. Furnish to the Director the following information on five similar projects that the foregoing people have worked on during the past 3 years.

    a. Qualifications Data should include:

        1) Names and addresses of the similar projects.
        2) Types of splices and terminations performed on the similar projects.
        3) Number of each type of splices and terminations for each of the listed projects.

1.4 DELIVERY, STORAGE AND HANDLING

A. Cable Delivery:

1. No cable over one year old when delivered to the site will be accepted.
2. Keep ends of cables sealed at all times, except when making splices or terminations. Use methods approved by cable manufacturer.
3. Include the following data durably marked on each reel:

    a. Reel number.
    b. Facility name and address.
    c. Contractor's name.

d. Project title and number.
e. Date of manufacture.
f. Manufacturer's name.
g. Linear feet.

4. Include the following factory test data for each cable, showing the following:

a. The reel number that the cable is on.

1) The cable manufacturer's specified optical parameters for the type of fiber installed in the cable.
2) Test readings for all fibers in the cable, showing that all fibers have been tested, and that each fiber meets or exceeds the cable manufacturer's specified optical parameters for that fiber type.

B. Cable Storage: Store cable at temperature recommended by cable manufacturer for optimum workability.

1.5 MAINTENANCE

A. Spare Parts:

1. Two type JFO connectorized optical fiber jumper cables.
2. One breakout kit.

PART 2 - PRODUCTS

2.1 FIBER OPTIC CABLE

A. Type 12 Fiber Single Mode (12 SFO); Heavy duty dual jacketed indoor/outdoor fiber optic cable, Corning's FREEDM LST series, having:

1. Twelve optical fibers:

a. Twelve optical fibers in a flame retardant indoor / outdoor rated cable.
b. Fiber diameter (core): 8.3 micron/125 micron.
c. Fiber type: Single mode fiber.
d. Maximum Fiber Attenuation:

1) 1) 0.4 dB/km (@1300nm).
2) 2) 0.4 dB/km(@1383nm).
3) 3) 0.3 dB/km(@1550nm).

e. Minimum Fiber Bandwidth:

1) 1) 200 MHZ-km (@850nm).
2) 2) 500 MHZ-km (@1300nm).

2. Dielectric strength member: Epoxy/fiber glass rod or equal.
3. Inner Jacket: Flame and moisture resistant Polyvinyl chloride (PVC) or equal.
4. Outer strength member: Aramid yarn.
5. Outer Jacket: Black, Flame-Retardant, UV-Resistant resistant jacket.
6. Tensile Strength Elements: Layer 1 – Dielectric strength members.

    a. Short-Term: 2700N (600 lbf).
    b. Long-Term: 810N (180 lbf).

7. Tensile Strength Elements: Layer 2 – Dielectric strength members.

    a. Short-Term: 2700N (600 lbf).
    b. Long-Term: 810N (180 lbf).

8. Buffer Tub Color Coding: Blue & Orange.
9. Rip Cords: 1.
10. Compliance the following standards:

    a. UL 1666.
    b. bNational Electrical Code for type OFNR cable.

2.2 CONNECTORS

A. General: Furnish connectors and components, and use specific tools and methods as recommended by connector manufacturer to form complete connector system:

1. Splices:

    a. Body Material: Steel.
    b. Ferrule Material: Stainless steel.

2. Terminations: To suit requirements of optical fiber video transmitter and receiver.

    a. Body Material: Steel.
    b. Ferrule Material: Stainless steel.

2.3 OPTICAL FIBER SPLICING BOX (OFSB)

A. Leviton 5WMNT-1C WALL series, wall mount optical fiber patch and splice panel, having:

1. Adapter plate with factory mounted ST type single-mode feed-thru adapters; number of adapters as required.
2. Sixteen gage steel mounting plate within enclosure for mounting components and future components.
3. Louvers as required for ventilation and to prevent temperatures above equipment ratings.
4. Mounting accessories as required.

2.4 OPTICAL FIBER TERMINATION MODULE

A. Leviton OPT-X Series SPLCS-12L termination kit, having:

1. Twelve single-mode fiber adaptor bulkhead
2. Heat sink pigtail fusion spliced fiber housing
3. Zirconia ceramic ferrule LC or SC adapters
4. Compatible with Leviton 5WMNT-1C splicing box

2.5 COMMUNICATIONS MEDIA CONVERTOR

A. Comnet FDC80 Series Fiber optic 8-Channel supervised contact closure transmitter and receiver, having:

1. Single mode fiber capable with 8-supervised contact closures
2. Microprocessor-based logic sends the contact information in packets that are ordered and encoded.
3. General Alarm NO/NC contact
4. Latching and non-latching relays
5. Stand-Alone mounting to wall or card mounting option
6. 8-15VDC plug-in power supply
7. Fiber Loss alarm and LED indicators

2.6 TEMPERATURE MONITOR/THERMOSTAT

A. WINLAND Temp-alert TA-1, having:

1. No power to operate device
2. Normally Open contact for alarm connection
3. -30^ to 120^ F temperature limit range
4. 12VDC @ 50mA contact rating

2.7 WATERBUG WATER SURFACE SENSOR

A. WINLAND Waterbug 200 WB200, having:

1. Hardwired powered 12VDC with 12VDC kit
2. Monitors for the presence of water and not humidity
3. 32^ to 130^F operating temperature range
4. (1) Form C relay (NO/NC)

2.8 ACCESSORIES

A. Pulling Compounds: As recommended by cable manufacturer.

B. 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 thickness, 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.

C. Markers:

1. 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.
2. Flexible sleeve markers: Plastic Extruded Parts Inc.'s FS series.
3. Snap-on markers: Plastic Extruded Parts Inc.'s RS series.

PART 3 - EXECUTION

3.1 PREPARATION

A. Prior to installing cable, test the cable on the reels to verify that the cable's fibers are intact.

1. At the contract site, perform a continuity test on each fiber in each cable to confirm light passes through each fiber.
2. Remove defective cable from the Site.

3.2 INSTALLATION

A. Installing Cables:

1. Install cables in conduit after conduit system is completed.
2. Keep ends of cables sealed watertight at all times, except when making splices or terminations.
3. No grease, oil, lubricant other than approved pulling compound may be used to facilitate the pulling-in of cables.
4. Use pulling attachment connected to the cable strength member for pulling in cables. Seal the pulling attachment watertight.
5. Incorporate into the pull line at the pulling attachment a tension-control swivel containing a shear pin designed to fail if the pre-determined maximum cable strain is applied.
6. Pull cables with a dynamometer or strain gage incorporated into the pulling equipment. Do not pull cables unless the Director's Representative is present to observe readings on the dynamometer or strain gage during the time of actual pulling. Do not exceed cable manufacturer's recommended pulling strain.
7. Provide 1 to 2 meters of slack in each cable, in the enclosures that the cable terminates or is spliced.

B. Cable breakouts and splitter kits:

1. Provide splitter kits on type SFO cables.

C. Splices and Terminations:

1. Splice, where allowed, and terminate cable in accordance with manufacturer's approved installation instructions.
2. No splicing of optical fiber cables will be allowed except:

    a. Connectorized splice will be allowed in the OFTR to connect type JFO cables to types SFO cables.

D. Identification of Optical Fiber Cables: Identify cables in manholes, pullboxes and in equipment to which they connect:

1. Install tags on each cable indicating cable number, month and year installed, type of cable, and manufacturer. Attach tags to cables with non-ferrous metal wire or brass chain.
2. Use markers to identify each optical fiber in equipment to which they connect.

3.3 FIELD QUALITY CONTROL

A. Post Installation Test:

1. Perform test on each active and spare optical fiber after cable has been installed complete with connectors, and prior to placing cable into service.
2. Demonstrate that the amount of attenuation and connector losses through the fiber is no greater than 75 percent of the parameters allowed by the optical fiber transmitter/receiver manufacturer for wavelengths of 850nm and 1300nm.

    a. Example: If the optical fiber transmitter/receiver manufacturer allows a 12db loss between the transmitter and receiver. The amount of loss that would be allowed across the fiber should not be more than 8db.
    b. If the amount of attenuation measured across a fiber is above 75 percent, then that fiber is to be tested to determine the cause of the high measurement, faulty connector, damaged fiber, etc., and corrective actions are to be made to correct the problem.

3. Perform test in the presence of the Director's Representative.
4. Supply equipment necessary for performing test.
5. Submit written report of test results signed by Company Field Advisor and Director's Representative. Mount a copy of the final report in a plexiglass enclosed frame assembly adjacent to the security console.

END OF SECTION 271524

SECTION 283105 - MODIFICATIONS TO FIRE ALARM SYSTEM

PART 1 - GENERAL

1.1 ALLOWANCES

A. An allowance for the following portions of the Work of this Section is included in Section 012100:

1. Services of the Company Field Advisor as described in QUALITY ASSURANCE.
2. All items listed in SUBMITTALS.
3. Engineering and reprogramming associated with the installation of the new equipment and updating existing information.
4. All products listed in PART 2 of this Section except:

a. Conductors and cable.
b. Signs, labels, markers, and nameplates.
c. Labor for installation of the products is not included in the allowance and shall be included in the contract sum.

5. Spare parts listed in Part 1 of this Section except protective devices.

1.2 REFERENCES

A. Underwriters Laboratories Inc.

B. National Fire Protection Association Standard 72.

1.3 DEFINITIONS

A. Initiating Device Circuit: A circuit to which automatic or manual initiating devices are connected where the signal received does not identify the individual device operated. Example:

1. Circuits from PPSSs and ICUs to non-addressable signal initiating devices.

B. Signaling Line Circuit: A circuit or path between any combination of circuit interfaces, control units, or transmitters over which multiple system input signals or output signals, or both are carried. Examples:

1.4 DESCRIPTION OF EXISTING SYSTEM

A. The existing Office of Mental health (OMH) Simplex Time Recorder Co. 4100U System operates as an integrated multiplexed protected premises and proprietary fire alarm, monitoring, and control system. Changes in the status of monitored points are detected by the micro-processor based proprietary supervising station (PSS) and protected premises subsidiary stations (PPSSs) located in the OMH Trinity Building.

1. System individually identifies each addressable initiating device and other addressable monitor functions using multiplexing techniques.
2. System is capable of individually operating each alarm notification appliance, and other control functions, using multiplexing techniques.
3. Alarms are processed by the system at 3 levels of priority:

    a. Fire alarms have the highest priority.
    b. Other alarms that require interaction by the attendant have the second level of priority.
    c. Monitored points which do not require interaction by the attendant are the third level of priority.

4. Access to the system functions are controlled thru at least three levels of access security to prevent program modifications or use by unauthorized personnel.
5. Alarms, supervisory signals, and trouble signals are distinctively and descriptively annunciated.
6. All system visual and audible trouble signals and visible indication of their restoration is
7. Life safety control-by-event functions are retained in a non-volatile programmable memory and are not alterable through normal operation of the system.

    a. Dedicated switches in the remote annunciator/control centers (RA/CCs) allow personnel to manually operate specific pre-programmed life safety control-by-event control points.

8. User programmable control-by-event functions may be programmed thru appropriate system commands to automatically activate any user programmable control point upon a status change from any programmable monitor point.

    a. The user programmable control-by-event control points may be manually operated at any time by the authorized personnel thru appropriate system commands.
    b. Dedicated switches in the RA/CCs allows personnel to manually operate each pre-programmed user programmable control-by-event control point.
    c. Assigned messages, date and time are printed and displayed at the PSS for the control points activated by the user programmable control-by-event function.

B. The PSS activates immediately and performs its alarm functions upon receipt of system alarm condition thru actuation of automatic or manual initiating devices:

1. The PSS sounds its audible alarm and illuminates its system alarm lamp or flashing display.

    a. The PSS displays the point and type of alarm condition.
    b. The PSS prints the assigned message with date and time on the printer for the point in alarm.

2. An authorized person at the OMH Trinity Safety Office presses the acknowledge button which silences its audible alarm and causes a print-out and CRT display of the assigned message for the point in alarm with date, time and an acknowledge prefix.

1.5 MODIFICATIONS TO EXISTING SYSTEM

A. Provide additional addressable monitor modules to receive supervisory signals from Ogdensburg Water Tower.

1.6 DESCRIPTION OF COMPLETED SYSTEM

A. The system in Power House Building 69 shall operate as outlined in DESCRIPTION OF EXISTING SYSTEM with the following exceptions:

1. Supervisory Alarm conditions from the Water Tower are annunciated immediately on the system. Alarm conditions from smoke detectors are confirmed thru actuation of the system's alarm verification program.

1.7 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. Preliminary Submittal: Existing system test report.

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

1. Company Field Advisor Letter: With the submittals package include a letter from the Company Field Advisor stating that he/she has reviewed the Submittals Package for accuracy and completeness and approves all materials and installation methods included in the Submittals Package.

G. Shop Drawings:

1. Composite wiring and/or schematic diagrams of the modifications as proposed to be installed (standard diagrams will not be acceptable).

a. Indicate circuits which are power-limited if power-limited wiring is proposed for use.

2. Catalog sheets, specifications, and installation instructions.
3. Bill of materials.
4. Detailed description of completed system operation. Format similar to DESCRIPTION OF COMPLETED SYSTEM.

5. Include for each system component which utilizes batteries the battery ampere-hour capacity recommended for each component by the Company producing the system, for the specified duration.
6. Statement from the Company producing the system, for each size and type of single conductor and multiconductor cable proposed for use, indicating that the electrical characteristics meet the requirements of the Company.
7. Data from the Company furnishing the products, proving that detection devices that receive their power from the initiating device circuit or a signaling line circuit of a fire alarm control unit are UL listed for use with the control unit.

    a. Submit data proving that the software and firmware is listed for use with the control panel.
    b. Submit data proving that monitor modules and any related appliances connected to the fire alarm system which are used to initiate control of fire safety functions are listed for the purpose.
    c. Submit data proving that the method of monitoring the connection between the fire alarm system and controlled electrical and mechanical systems for integrity is listed for the purpose.

8. Detailed description of procedure proposed to test individual initiating devices.

    a. Include product information pertaining to the test equipment that will be used to perform the tests.
    b. Include certified statement that the proposed test method meets the test requirements of NFPA 72 and UL 268 (cite reference to the applicable NFPA and UL paragraphs).

H. Quality Control Submittals:

1. Copy of license required by New York State General Business Law Article 6-D for installing Fire Alarm Systems.

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

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. Copy of NICET Letter of Approval indicating Level III or higher Fire Alarm Systems certification.
    d. Services and each product for which authorization is given by the Company, listed specifically for this project.

I. Contract Closeout Submittals:

1. System acceptance test report.
2. Certificates:

a. Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.
b. NFPA Record of Completion (NFPA 72 Figure 1-6.2.1) for the modifications.

3. Operation and Maintenance Data:

a. Deliver two 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 the modifications as installed. Identify all conductors and show all terminations and splices. (Identification shall correspond to markers installed on each conductor.)

1.8 QUALITY ASSURANCE

A. UL Listing: The system products for the modifications shall be listed in the UL Fire Protection Equipment Directory under product category "Control Units System (UOJZ)."

B. Company Field Advisor: Company Field Advisor shall be National Institute for Certification in Engineering Technologies (NICET) certified as Level III or higher Fire Alarm Protection/Fire Alarm Systems Engineering Technician.
EDIT NUMBER OF HOURS TO SUIT.

1. Secure the services of a Company Field Advisor from the Company of the existing system for a minimum of twenty-four working hours at the contract site for the following:

a. Render advice and witness test of existing system.
b. Render advice regarding modifications to the system.
c. Assist in reprogramming the system.
d. Witness final system test and then certify with an affidavit that the modifications were installed in accordance with the contract documents and are operating properly.

1.9 MAINTENANCE

A. Spare Parts:

1. addressable monitor modules

PART 2 - PRODUCTS

2.1 INDIVIDUAL ADDRESSABLE MODULE (IAM)

A. Simplex 4090-9001 MAPNET Addressable Communications module, having:

1. Supervised Class B monitoring of normally open, dry contacts
2. Enclosed design minimizes dust infiltration

3. Screw terminals for wiring connections
4. Capable to supply both data and power over the required Simplex Signal Line Circuit (SLC)

2.2 POWER-LIMITED INSULATED CONDUCTORS

A. All electrical characteristics shall meet the requirements of the Company producing the system (conductor to conductor capacitance, dc resistance, velocity of propagation etc.).

B. Multiconductor Cables N.E.C. TYPE FPLP, FPLR, FPL:

1. Insulated copper conductors.
2. Conductors twisted, shielded, and jacketed as recommended by the Company producing the system.
3. Voltage rating of not less than three hundred volts (Voltage rating not marked on cable except where cable has multiple listings and voltage marking is required for one or more of the listings).

C. Other types of cables may be used in accordance with N.E.C. Table 760-61 “Cable Uses and Permitted Substitutions”, as approved, if listed as being suitable for the purpose.

2.3 NONPOWER-LIMITED INSULATED CONDUCTORS

A. All electrical characteristics shall meet the requirements of the Company producing the system (conductor to conductor capacitance, dc resistance, velocity of propagation, etc.).

B. Conductors twisted, shielded, and jacketed as recommended by the Company producing the system.

C. Single Conductors:

1. No. 18 and No. 16 AWG: Insulated copper conductors suitable for six hundred volts, N.E.C. types KF-2, KFF-2, PAFF, PTFF, PF, PFF, PGF, PGFF, RFH-2, RFHH-2, RFHH-3, SF-2, SFF-2, TF, TFF, TFN, TFFN, ZF, ZFF.
2. Larger Than No. 16 AWG: Insulated copper conductors suitable for six hundred volts, in compliance with N.E.C. Article 310.
3. Conductors with other types and thickness of insulation may be used if listed for nonpower-limited fore alarm circuit use.

D. Multiconductor Cables N.E.C. Types NPLFP, NPLFR, NPLF:

1. No. 18 and No. 16 AWG: Insulated copper conductors rated six hundred volts, N.E.C. types KF-2, KFF-2, PAFF, PTFF, PF, PFF, PGF, PGFF, RFH-2, RFHH-2, RFHH-3, SF-2, SFF-2, TF, TFF, TFN, TFFN, ZF, ZFF.
2. Marking: NPLFP, NPLFR, and NPLF marked to suit listings and marked with a maximum usage voltage rating of 150 volts.

E. Markers:

1. Premarked self-adhesive; W.H. Brady Co.'s B292, B708, Ideal Industries' Mylar/Cloth wire markers, or Markwick Corp.'s permanent wire markers, Plastic Extruded Parts Inc.'s Flexible Sleeve or ID Band Markers, or Thomas and Betts Co.'s E-Z Code WSL self-laminating.
2. Other Styles: To suit application by W.H. Brady Co., Ideal Industries, Marwick Corp., Plastic Extruded Parts, Inc., or Thomas and Betts Co.

2.4 ACCESSORIES

A. Include accessories required to perform the functions summarized in DESCRIPTION OF COMPLETED SYSTEM and indicated on the drawings.

PART 3 - EXECUTION

3.1 VERIFICATION OF CONDITIONS

A. Testing Existing System:

1. Prior to modifying the system, make the following tests to ascertain the operating condition of the existing system:

    a. Test spare zones that will be utilized for the work.
    b. Test PSS, PPSS and ICU functions associated with the modifications.

2. Test shall be witnessed by the Company Field Advisor and the Director's Representative.
3. Conduct tests that are disruptive to facility personnel after normal working hours as directed.
4. Prepare a written report for the Director's Representative indicating the repairs required, if any, to make the existing sub-systems function properly.
5. Repairs to the existing sub-systems are not included in the Work unless requested by Order on Contract.

3.2 INTERRUPTIONS TO EXISTING SUB-SYSTEMS

A. Maintain the existing system in its present condition to the extent possible while installing new Work.

B. Prior to making changes or removals relative to the existing system, notify the Director's Representative and have procedures approved.

C. When changes or removals are required to the existing fire alarm system such that it's ability to act as a fire alarm system is impaired, provide a temporary fire alarm system so that the building is protected at all times by a functioning fire alarm system. Notify Building Supervisor (thru Director's Representative) of proposed temporary measures and scheduling. Both the proposed temporary measures and the scheduling must be approved by the Director's Representative.

D. Provide signs, instructions, and alternate methods for reporting a fire.

3.3 INSTALLATION

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

B. Reprogram the system to include new monitor and control points and update existing system program to include changes and additions requested by facility.

1. Obtain from the facility personnel through the Director's Representative, a list of desired system program changes, additions, etc.
2. Provide wiring to and including a terminal strip cabinet in elevator machine rooms.
3. Contractor responsible for elevator installation will provide elevator control equipment for elevator operation and final electrical connections between terminal strip cabinet and the elevator controllers.
4. Splices in wiring in vertical risers is prohibited, except when the length of conductors approximate 150 feet in vertical risers, terminal strip cabinet may be used. Exception: For 2-hour fire rated cable assembly, use UL listed methods to maintain 2-hour rating.
5. Avoid splices in horizontal runs. When splices are necessary, use junction boxes. Exception: For 2-hour fire rated cable assembly, use UL listed methods to maintain 2-hour rating.

    a. Make splices with mechanical or hydraulic type pressure connectors. The use of wire nuts is prohibited.
    b. Paint cover of terminal strip cabinets and junction boxes fire department red.

6. Wiring Class A, Style 6, 7, D, E, or Z Signaling Line Circuits, Initiating Device Circuits and Notification Appliance Circuits: Do not install both legs of Class A, Style 6, 7, D, E, or Z circuits in same cable assembly, enclosure, or raceway back to PPSS's or ICUs.

    a. Run return legs along another route to obtain maximum benefit of these alternate path circuits.

C. Identification, Labeling, Marking:

1. Code Locator: Install revised card in existing holders. Provide new holders with revised cards to suit modifications.
2. Power-Limited Circuits: Mark circuits at terminations, indicating that circuit is a power-limited fire protective signaling circuit.
3. Alarm Verification Warning Marking: Affix to the inside of each FACP, a list indicating:

    a. Affected circuits.
    b. Delay (seconds).

3.4 FIELD QUALITY CONTROL

A. Preliminary System Test:

1. Preparation: Have the Company Field Advisor adjust the portion of the system applicable to the Work and then operate it long enough to assure that it is performing 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. Checking and adjusting equipment.
c. Training facility personnel.

B. System Acceptance Test:

1. Preparation: Notify the Director's Representative at least three working days prior to the test so arrangements can be made to have a Facility Representative witness the test.
2. Supply all equipment necessary for system adjustment and testing.
3. Make the following tests:

a. Test the portion of the system applicable to the Work in accordance with NFPA 72, Chapter 7.

1) Follow test methods stated in Table 7-2.2.
2) Record results on NFPA 72 Figure 1-6.2.1 Record of Completion.

b. Test system operation step by step as summarized in DESCRIPTION OF COMPLETED SYSTEM.

4. Submit written report of test results signed by Company Field Advisor and the Director's Representative. Also complete an NFPA Record of Completion.

a. Mount a copy of the written report of test results, and the NFPA 72 Record of Completion in plexiglass enclosed frame assemblies adjacent to the PSS (one framed assembly for each report).

C. Conduct tests that are disruptive to facility personnel after normal working hours as directed.

3.5 INSULATED CONDUCTOR SCHEDULE - TYPES AND USE

A. Signaling Line Circuits, Initiating Device Circuits and Notification Appliance Circuits:

1. Power-Limited Circuits: For interior wiring (in raceways) use power-limited insulated multiconductor cable types specified in PART 2 except where a 2-hour fire rated cable assembly is required.

a. Number of conductors and conductor size as recommended by the Company producing the system, except that conductor size shall not be less than No. 18 AWG for signaling line circuits and not less than No. 16 AWG for initiating device circuits and notification appliance circuits.
b. Using Non-Power-Limited Wiring on Power-Limited Circuits: Wiring size and types specified for NONPOWER-limited circuits may be used for power-limited circuits if power-limited circuits are reclassified and the power-limited markings are eliminated. Refer to NEC Article 760-52(a) Exception No. 3.

2. Nonpower-Limited Circuits: For interior wiring (in raceways) use nonpower-limited insulated single conductors or multiconductor cable types specified in PART 2 except where a 2-hour fire rated cable assembly is required.

a. Number of conductors and conductor size as recommended by the Company producing the system, except that conductor size shall not be less than No. 18 AWG for signaling line circuits, not less than No. 16 AWG for initiating device circuits, and not less than No. 14 AWG for notification appliance circuits.

3. Where wiring is specifically indicated on drawings not to be run in raceway, use metal-clad cable type MC (concealed, unless otherwise indicated), except where a 2-hour fire rated cable assembly is required.

END OF SECTION 283105

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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SCHEDULE OF SUBMITTALS

PROJECT NO.: Q1962-E

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:
007213			**GENERAL CONDITIONS**					
007213		**PD**	ARTICLE 6: Designate in writing competent supervision and/or management representatives as required - **include contact number in case of an emergency after work hours, including weekends and holidays (see 011000 Summary of Work)**	F				
007213		**PD**	ARTICLE 8: Permits and licenses	F				
011100			**SAFETY**					
011100		**QCS**	Site Specific Safety Plan	RSM				
011100		**QCS**	Employee Safety Orientation Training and Certificates					
011100		**QCS**	Emergency Action and Evacuation Plan					
013113			**PROJECT SCHEDULE**					
013200			**CONSTRUCTION PROGRESS DOCUMENTATION**					
013200		**QCS**	Scheduler Preparer Qualifications	S	X			
013200		**QCS**	Preliminary Project Schedule	S	X			
013200		**QCS**	Baseline Project Schedule	S	X			
013200		**QCS**	CMU-01 Agreement Form	S	X			
013300			**SUBMITTALS**					
013300		**PD**	Schedule of Submittals (This form completed and editted)	F	X			
013300		**QCS**	Submittal Coordinator Qualifications	F/O	X			
014339			**MOCKUP REQUIREMENTS**					
014339		**SD**	Mockup Plan: Detailed, dimensioned plans and elevations.	F				
015634			**MAINTAINING PERIMETER SECURITY DEPARTMENT OF CORRECTIONAL SERVICES**					
015634		**PACK**	For each system listed in subparagraphs 1.01, A., 1. thru 7., submit the following service organization information: Name, address and telephone numbers of nearest fully equipped service organization - SUBMIT WITHIN 30 DAYS OF AWARD	F/O				
015634		**PACK**	For each system listed in subparagraphs 1.01, A., 1. thru 7., submit the following service organization information: Certified statement from the manufacturer of the existing system, stating that the service organization is capable to install and service the manufacturer's equipment and that the service organization is experienced in working on that manufacturer equipment - SUBMIT WITHIN 30 DAYS OF AWARD	F/O				

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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:
017716			**CONTRACT CLOSEOUT**					
017716		**CCS**	Project Record Documents	F				
017716		**CCS**	Operation and maintenance, 2 copies	F				
017716		**CCS**	Warranties	F				
017716		**CCS**	Spare Parts and Maintenance Materials	F				
023313			**UNDERGROUND UTILITY LOCATOR SERVICE**					
023313		**PD**	Submit detailed experience and qualifications description of underground utility locator service	D				
023313		**QCS**	Investigative Report	D				
028003			**DISPOSAL OF NON-HAZARDOUS INDUSTRIAL-COMMERCIAL WASTE**					
028003		**QCS**	Detailed list of the codes, rules and regulations which are understood to govern the Work.	D				
028003		**QCS**	Listing of licenses or permits issued by government agencies authorizing the handling of the waste by the qualified Company, transporter, and operator of the disposal facility	D				
028003		**QCS**	Detailed step by step procedure indicating how the Work is to be accomplished	D				
028003		**QCS**	Qualified Company Data	D				
028213			**ASBESTOS ABATEMENT**					
028213		**PD**	Disposal Bags	D				
028213		**PD**	Fireproofing	D				
028213		**PD**	Glove Bags	D				
028213		**PD**	Negative Air Pressure Units	D				
028213		**PD**	HEPA Filters (Negative Air Pressure Units)	D				
028213		**PD**	HEPA Filters (Respirators)	D				
028213		**PD**	HEPA Filters (Vacuum Cleaners)	D				
028213		**PD**	Respirators	D				
028213		**PD**	Vacuum Cleaners	D				
028213		**QCS**	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the completed DOSH-751 and DOSH-465 forms	D				
028213		**QCS**	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the New York State Department of Labor site specific variance decision.	D				
028213		**QCS**	Notification Compliance Data	D				
028213		**QCS**	Work Plan	D				
028213		**QCS**	Abatement Contractor's Qualifications Data	D				
028213		**QCS**	Abatement Worker's Qualifications Data	D				
028213		**QCS**	Testing Lab Qualifications Data	D				
028213		**QCS**	Waste Transporter Permit	D				
028213		**QCS**	Landfill Permit	D				
028213		**QCS**	Waste Shipment Records and Disposal Site Receipts	D				
028213		**QCS**	Daily Log	D				
028213		**QCS**	Certificates	D				
028213		**QCS**	Air Monitoring Data	D				
028213		**CCS**	Operation and Maintenance Data	F				

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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:
028304			**HANDLING OF LEAD CONTAINING MATERIALS**					
028304		**PD**	Resppirators	D				
028304		**PD**	HEPA Filters (Respirators)	D				
028304		**PD**	HEPA Filters (Vacuum Cleaners)	D				
028304		**PD**	Vacuum Cleaners	D				
028304		**PD**	Disposal Bags	D				
028304		**QCS**	Work Plan	D				
028304		**QCS**	Lead Handling Contractor's Qualifications Data	D				
028304		**QCS**	Lad Handling Worker's Qualifications Data	D				
028304		**QCS**	Testing Lab Qualifications Data	D				
028304		**QCS**	Waste Transporter Permit	D				
028304		**QCS**	Landfill Permit	D				
028304		**QCS**	Disposal Site Receipts	D				
028304		**QCS**	Test Data	D				
028304		**QCS**	Certificates	D				
028402			**IDENTIFYING DIELECTRIC FLUIDS**					
028402		**QCS**	Testing Laboratory Data	D				
028402		**CCS**	Final Report	F				
028433			**ABATEMENT OF PCB CONTAINING CAULK-SEALANT MATERIALS**					
028433		**PD**	Disposal Drums	D				
028433		**PD**	Respirators	D				
028433		**PD**	Vacuum Cleaners	D				
028433		**QCS**	Abatement Worker’s Qualifications Data	D				
028433		**QCS**	Work Plan	D				
028433		**QCS**	Waste Transporter Permit	D				
028433		**CCS**	Disposal Site Receipts	F				
260513			**MEDIUM VOLTAGE CABLES**					
260513		**QCS**	Testing Agency Qualification	D				
260513		**PD**	Medium Voltage Cables	D				
260513		**PD**	Connectors	D				
260513		**PD**	Terminations	D				
260513		**CCS**	Record Drawings	F				
260519			**LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES**					
260519		**QCS**	Testing Agency Qualification	D				
260519		**PD**	Copper Building Wire	D				
260519		**PD**	Armored Cable	D				
260519		**PD**	Connectors	D				
260519		**CCS**	Record Drawings	F				

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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:
260526			**GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS**					
260526		**QCS**	Testing Agency Qualification	D				
260526		**PD**	Conductors	D				
260526		**PD**	Connectors	D				
260526		**PD**	Grounding Electrodes	D				
260526		**CCS**	Operation and Maintenance Data	F				
260526		**CCS**	Record Drawings	F				
260543			**UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS**					
260543		**QCS**	Testing Agency Qualification	D				
260543		**PD**	Duct-bank Materials	F				
260543		**PD**	Conduits and Fittings	F				
260543		**PD**	Manholes, Handholes, and Boxes	F				
260543		**PD**	Underground-line Warning Tape	F				
260543		**SD**	Precast Concrete Undergound Utility Structures	F				
260543		**SD**	Factory-Fabriacted Handholes and Boxes	F				
260543		**CCS**	Record Drawings	F				
260553			**IDENTIFICATION FOR ELECTRICAL SYSTEMS**					
260553		**PD**	Warning Lables	D				
260553		**PD**	Nameplates	D				
260553		**PD**	Tags	D				
260553		**PD**	Cable Ties	D				
262213			**LOW VOLTAGE DISTRIBUTION TRANSFORMERES**					
262213		**QCS**	Testing Agency Qualification	D				
262213		**SD**	Distribution Transformers	D				
262213		**SD**	Nameplate	D				
262213		**CCS**	Operation and Maintenance Data	F				
262213		**CCS**	Record Drawings	F				
262416			**PANELBOARDS**					
262416		**QCS**	Testing Agency Qualification	D				
262416		**SD**	Panelboards	D				
262416		**PD**	Catalyst	D				
262416		**CCS**	System Test Report	F				
262416		**CCS**	Certification of Completed Work	F				
262416		**CCS**	Record Drawing	F				

SCHEDULE OF SUBMITTALS

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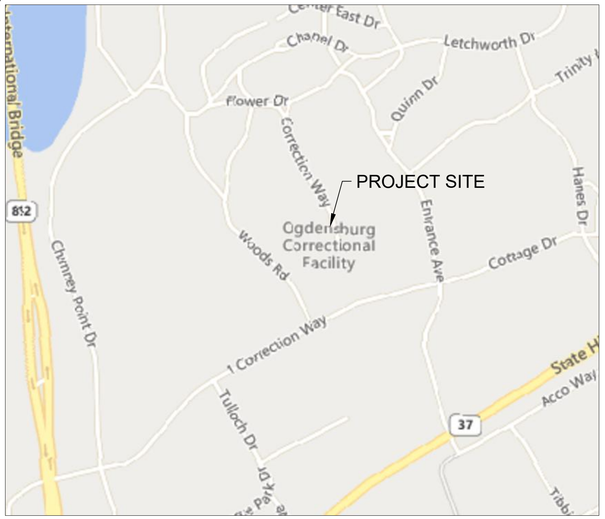
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
271524			**OPTICAL FIBER CABLES**					
274524		**QCS**	Cable Installer's Qualifications	D				
274524		**QCS**	Field Advisor Qualifications	D				
274524		**QCS**	Cable Splicer's Qualifications	D				
274524		**PD**	Fiber Optic Cable	D				
274524		**PD**	Connectors	D				
274524		**PD**	Optical Fiber Splicing Box	D				
274524		**PD**	Optical Fiber Termination Module	D				
274524		**PD**	Communications Media Convertor	D				
274524		**PD**	Temperature Monitor/Thermostat	D				
274524		**PD**	Water Surface Sensor	D				
274524		**PD**	Pulling Compounds	D				
274524		**PD**	Tags	D				
274524		**PD**	Markers	D				
274524		**CCS**	Post-Installation Test Report	F				
274524		**CCS**	Record Drawing	F				
283105			**MODIFICATIONS TO FIRE ALARM SYSTEM**					
283105		**QCS**	Existing System Test Report	D				
283105		**QCS**	Copy of Installer License	D				
283105		**QCS**	Field Advisor Data	D				
283105		**SD**	Composite Wiring and/or Schematic Diagrams	D				
283105		**SD**	Catalog Sheets	D				
283105		**SD**	Bill of Materials	D				
283105		**SD**	Description of System Operations	D				
283105		**SD**	Statement of Compliance with Supplier Requirements	D				
283105		**SD**	Statement That Detection Devices Are UL Listed	D				
283105		**SD**	Bill of Materials	D				
283105		**SD**	Desciption of System Test Procedure	D				
283105		**PD**	Individual Addressable Module (IAM)	D				
283105		**PD**	Power-Limited Insulated Conductors	D				
283105		**PD**	Nonpower-Limited insulated Conductors	D				
283105		**PD**	Markers	D				
283105		**CCS**	System Acceptance Test Report	F				
283105		**CCS**	Operation and Maintenance Data	F				

PROVIDE FACILITY CLOSURE

OGDENSBURG CORRECTIONAL FACILITY
1 CORRECTION WAY
OGDENSBURG, NEW YORK
O.G.S. PROJECT NOS. Q1962-C, E, H



LOCATION MAP

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

INDEX OF DRAWINGS

ALL CONTRACTS Q1962-C, E, H

GENERAL DRAWINGS

G-001	COVER SHEET
G-002	GENERAL NOTES & LEGENDS
G-003	CODE COMPLIANCE PLAN
G-101	OVERALL SITE PLAN

CONSTRUCTION CONTRACT NO. Q1962-C

CIVIL DRAWINGS

C-001	CONSTRUCTION LEGENDS, NOTES, & SCHEDULE
C-002	CONSTRUCTION DETAILS

ELECTRICAL CONTRACT NO. Q1962-E

ELECTRICAL DRAWINGS

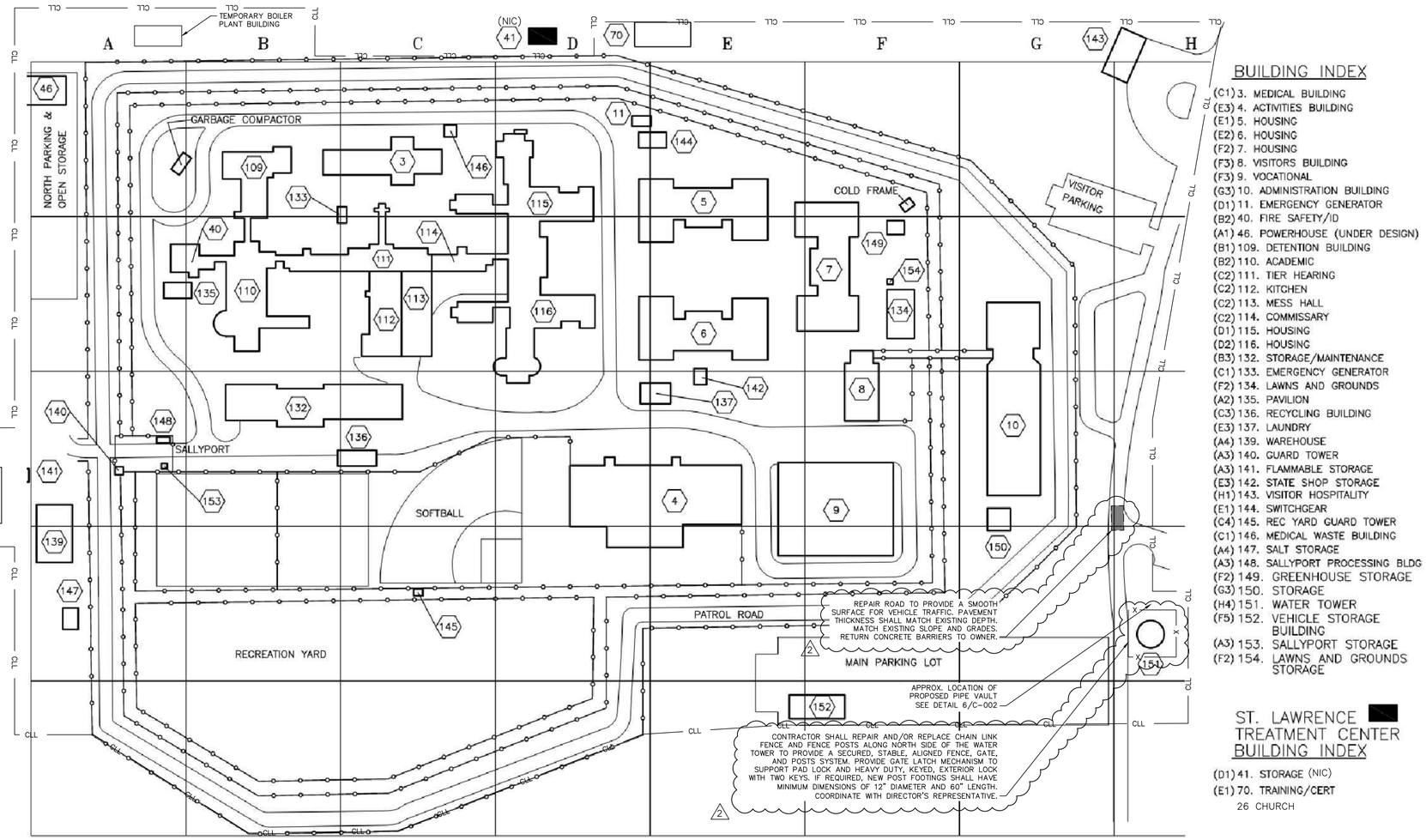
E-001	ELECTRICAL LEGENDS, NOTES, & SCHEDULE
E-101	ELECTRICAL SITE PLAN
E-102	ELECTRICAL ENLARGED PLANS
E-103	ELECTRICAL DETAILS
E-104	ELECTRICAL ELEVATIONS 2

HVAC CONTRACT NO. Q1962-H

HVAC DRAWINGS

M-001	HVAC LEGENDS, NOTES, & SCHEDULE

DRAWING NUMBER:
G–001



1 **OVERALL CONTRACT SITE PLAN**
SCALE: 1"=100'

BUILDING INDEX

(C1) 3. MEDICAL BUILDING
(E3) 4. ACTIVITIES BUILDING
(E1) 5. HOUSING
(E2) 6. HOUSING
(F2) 7. HOUSING
(F3) 8. VISITORS BUILDING
(F3) 9. VOCATIONAL
(G3) 10. ADMINISTRATION BUILDING
(D1) 11. EMERGENCY GENERATOR
(B2) 40. FIRE SAFETY/ID
(A1) 46. POWERHOUSE (UNDER DESIGN)
(B1) 109. DETENTION BUILDING
(B2) 110. ACADEMIC
(C2) 111. TIER HEARING
(C2) 112. KITCHEN
(C2) 113. MESS HALL
(C2) 114. COMMISSARY
(D1) 115. HOUSING
(D2) 116. HOUSING
(B3) 132. STORAGE/MAINTENANCE
(C1) 133. EMERGENCY GENERATOR
(F2) 134. LAWNS AND GROUNDS
(A2) 135. PAVILION
(C3) 136. RECYCLING BUILDING
(E3) 137. LAUNDRY
(A4) 139. WAREHOUSE
(A3) 140. GUARD TOWER
(A3) 141. FLAMMABLE STORAGE
(E3) 142. STATE SHOP STORAGE
(H1) 143. VISITOR HOSPITALITY
(E1) 144. SWITCHGEAR
(C4) 145. REC YARD GUARD TOWER
(C1) 146. MEDICAL WASTE BUILDING
(A4) 147. SALT STORAGE
(A3) 148. SALLYPORT PROCESSING BLDG
(F2) 149. GREENHOUSE STORAGE
(G3) 150. STORAGE
(H4) 151. WATER TOWER
(F5) 152. VEHICLE STORAGE BUILDING
(A3) 153. SALLYPORT STORAGE
(F2) 154. LAWNS AND GROUNDS STORAGE

ST. LAWRENCE TREATMENT CENTER BUILDING INDEX

(D1) 41. STORAGE (NIC)
(E1) 70. TRAINING/CERT
26 CHURCH

N

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DESIGN & CONSTRUCTION

CONSULTANT

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0 1 2 3
ORIGINAL SCALE IN INCHES

STATE OF NEW YORK · ROGER E. KEATING · LICENSED PROFESSIONAL ENGINEER · 083455

EXP: 8/31/2026

CONTRACT:
GENERAL

TITLE:
PROVIDE FACILITY CLOSURE

LOCATION:
OGDENSBURG CORRECTIONAL FACILITY
1 CORRECTIONAL WAY
OGDENSBURG, NEW YORK

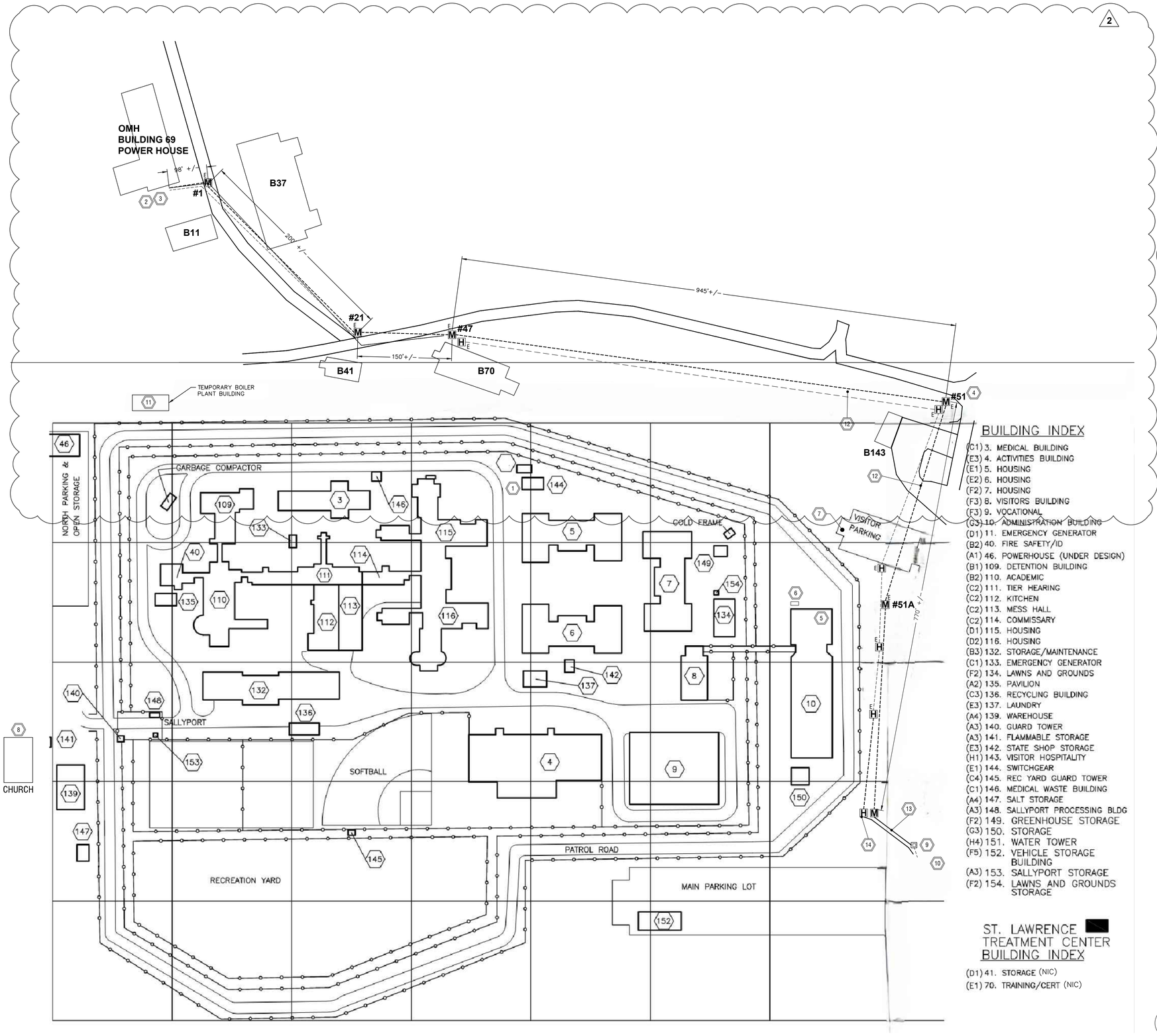
CLIENT:
DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
2	8/19/2025	ADDENDUM #1
1	5/7/2025	REVISION #1
0	2/21/2025	FINAL SUBMISSION

PROJECT NUMBER:	Q1962
DESIGNED BY:	NRJV
DRAWN BY:	ZDH
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
OVERALL SITE PLAN

DRAWING NUMBER:
G–101



BUILDING INDEX

(C1) 3. MEDICAL BUILDING
(E3) 4. ACTIVITIES BUILDING
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(E2) 6. HOUSING
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ST. LAWRENCE TREATMENT CENTER
BUILDING INDEX

(D1) 41. STORAGE (NIC)
(E1) 70. TRAINING/CERT (NIC)

GENERAL NOTES:

1. COORDINATE ROUTING OF NEW FEEDERS FROM OMH BUILDING 70 TO WATER TOWER WITH OGS DIRECTORS REPRESENTATIVE.
2. OGS TO PROVIDE OMH PLAN TO EXTEND LIMIT OF PROJECT.
3. 4" ELECTRICAL AND 2" COMMUNICATIONS (FIBER) CONDUITS ARE TO BE CONCRETE ENCASED UNDER ROADWAYS AND PARKING LOTS.
4. VERIFY EXISTING OMH UTILITY MANHOLE/CONDUIT SYSTEM CAN BE UTILIZED FOR NEW ELECTRICAL FEED AND COMMUNICATION CABLES FROM BLDG 70 TO WATER TOWER. ROD ALL CONDUITS PRIOR TO INSTALLATION TO VERIFY CONDUITS CAN BE UTILIZED FOR NEW ELECTRICAL AND FIBER CABLES.
5. POWER AND COMMUNICATIONS CABLES ARE NOT TO SHARE THE SAME CONDUITS HANDHOLES OR MANHOLES.
6. PROVIDE ALL POWER MANHOLES AND COMMUNICATIONS HANDHOLES REQUIRED APPX EVER 150' (TYPICAL).
7. CONTRACT TO COORDINATE WITH UTILITY AND WITH DIRECTORS REPRESENTATIVE FOR FINAL SHUT DOWN OF OCF FACILITY.

KEYED NOTES:

1. EXTERIOR MAIN SWITCHGEAR HOUSE
2. OMH BLDG #69. EXISTING (3) #2 - 5KV FEEDERS AND #2 GROUND IN 4" CONDUIT FROM OMH BLDG #69 PRIMARY SERVICE TO MANHOLE #51.
3. REFER TO 1/E-102 FOR POWER HOUSE FLOOR PLAN.
4. PROVIDE (3) #2 AWG - 5KV FEEDERS AND #2 AWG GROUND FROM WATER TOWER TRANSFORMER TO EXISTING 5KV FEEDERS IN MANHOLE #51. PROVIDE 5KV MODEL # 3M 5551 SPLICE KIT IN MANHOLE TO CONNECT EXISTING FEEDERS TO NEW.
5. POWER PANEL MDP-10 IN ELECTRICAL ROOM. DISCONNECT AND MAKE SAFE EXISTING 100A CIRCUIT THAT CURRENTLY FEEDS WATER TOWER 100A MDP WHEN NEW CIRCUIT TO WATER TOWER FROM BLDG 69 IS IN PLACE, TESTED AND AVAILABLE FOR CONNECTION TO EXISTING WATER TOWER MDP.
6. EXISTING STEP DOWN TRANSFORMER FROM UTILITY POLE FEED.
7. EXISTING NATIONAL GRID SERVICE UTILITY POLE WITH OPEN AIR SWITCH.
8. ELECTRICAL FEED CURRENTLY BEING FED FROM OMH SERVICE. SHUT DOWN CIRCUIT FROM OMH AS DIRECTED BY AN OMH REPRESENTATIVE.
9. PROVIDE 30KA, NEMA 3R SEALED TANK, 2400V PRIMARY TO 120/ 208V SECONDARY DELTA-WYE PAD MOUNTED STEP- DOWN TRANSFORMER TO RE-FEED WATER TOWER BLDG # 151 (100A - 120/208V) MDP. PROVIDE SECONDARY CONDUCTORS TO WATER TOWER MDP OF (4) #2 & #2 AWG GND IN 1.5" C.
10. APPROXIMATE LOCATION OF EXISTING WATER TOWER 120/208V MDP. PROVIDE NEW COMMUNICATIONS/FIBER OPTIC 2' X 2' HINGED ENCLOSURE IN WATER TOWER MECHANICAL ROOM.
11. DISCONNECT ELECTRICAL FEED AND TEMPORARY BOILER ELECTRICAL CIRCUITS FROM DISTRIBUTION PANEL LOCATED INSIDE FENCE AREA.
12. EXISTING OMH UTILITY MANHOLE/CONDUIT SYSTEM.
13. PROVIDE NEW ELECTRICAL CONDUIT AS REQUIRED FROM EXISTING OMH CONDUIT SYSTEM.
14. PROVIDE NEW 2" COMMUNICATIONS (FIBER) CONDUIT/HANDHOLES WITH CORNING FREEDOM 12-STRAND ARMORED SINGLE MODE FIBER OPTIC CABLE (TYPICAL).

SYMBOLS LIST:

- EXISTING UNDERGOUND RACEWAY
- E H — COMMUNICATIONS HANDHOLE (E=EXISTING)
- E M — POWER MANHOLE (E=EXISTING)
- UNDERGROUND RACEWAY (CONDUIT)

1 **OVERALL CONTRACT SITE PLAN**
SCALE: 1"=100'

N

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DESIGN & CONSTRUCTION

CONSULTANT

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STATE OF NEW YORK — NICHOLAS CHARLES HARDER — 092548 — LICENSED PROFESSIONAL ENGINEER

EXP: 04/30/2025

CONTRACT: GENERAL

TITLE: PROVIDE FACILITY CLOSURE

LOCATION: OGDENSBURG CORRECTIONAL FACILITY
1 CORRECTIONAL WAY
OGDENSBURG, NEW YORK

CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
2	8/19/2025	ADDENDUM #1
1	5/7/2025	REVISON #1
0	02/21/2025	FINAL SUBMISSION

PROJECT NUMBER:	Q1962
DESIGNED BY:	DS
DRAWN BY:	GAM
FIELD CHECK:	
APPROVED:	

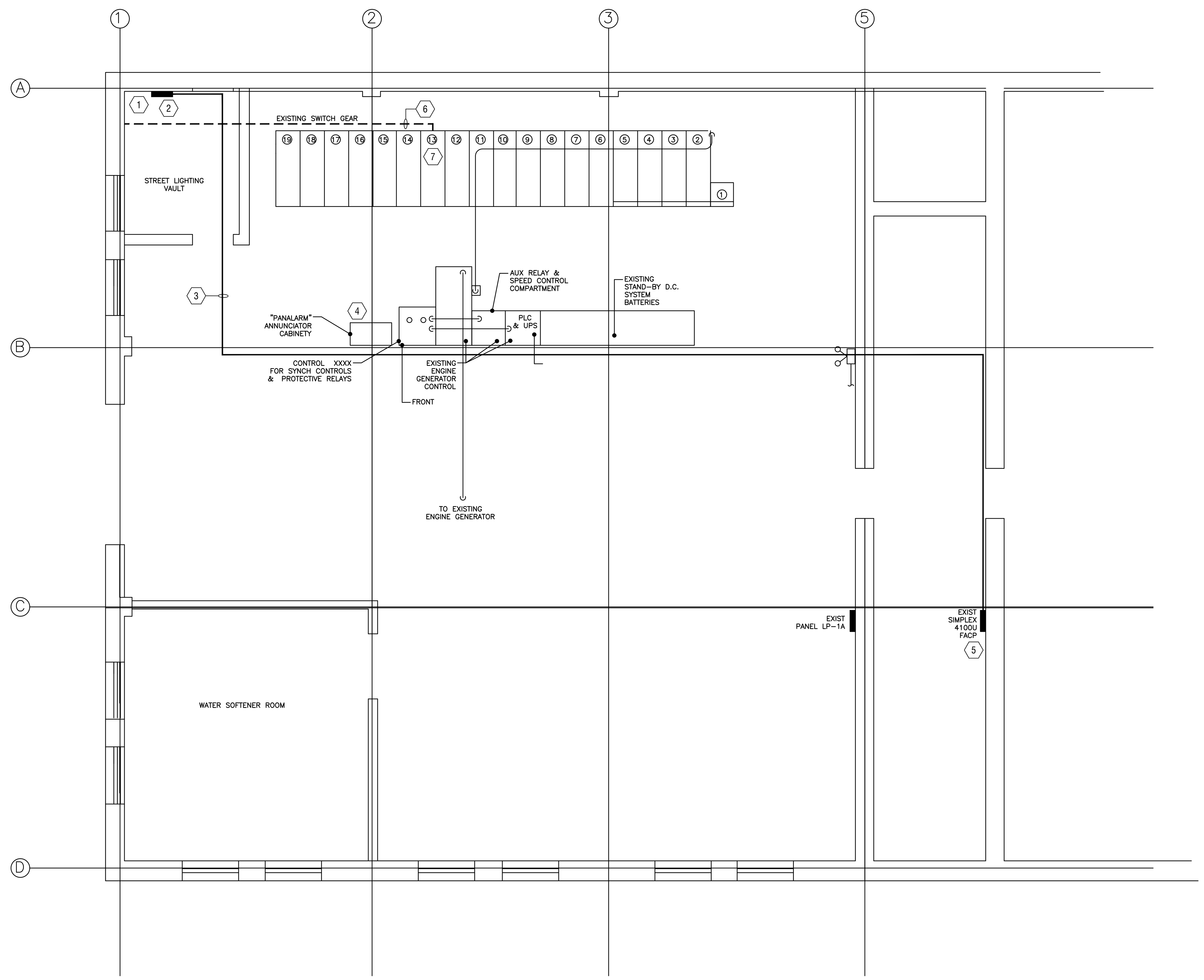
SHEET TITLE: ELECTRICAL SITE PLAN

DRAWING NUMBER: E-101

FINAL SUBMISSION

36x24 PLOT SHEET

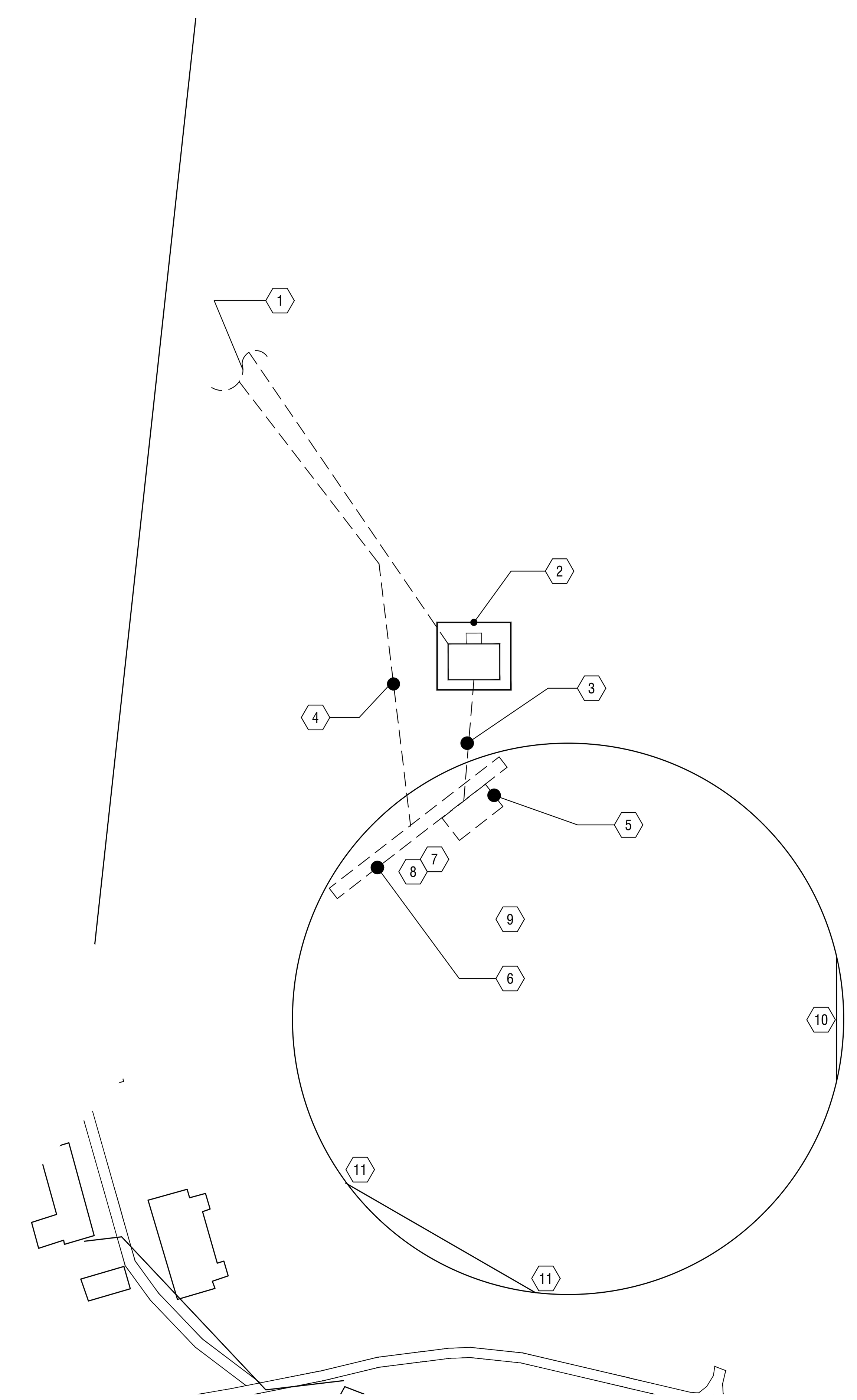
Aug 18,2025 – 5:01pm
\\cash.lab\UA\Projects\NYS Office of General Services\2223644 – SE208 Architectural Services\2223644.28 – Q1962 Provide Fac Closure Ogdensburg\06_Drawings\Electrical\00_Q1827_G1-__20210520.09_SITE_ds.dwg



2 **PARTIAL POWERHOUSE FIRST FLOOR PLAN**
SCALE: 3/16" 1'-0"

KEYED NOTES:

1. EXISTING ELECTRICAL AND COMMUNICATIONS CONDUITS ENTER BELOW ON GROUND FLOOR
2. WALL MOUNTED FIBER BREAKOUT KIT, COMNET FIBER-TO-COPPER CONTACT CLOSURE RECEIVER AND FIRE ALARM ADDRESSABLE MONITOR MODULE ENCLOSURE. REFER TO 1/E-104 FOR ELEVATION DETAILS
3. PROVIDE FIRE ALARM ADDRESSABLE SLC CABLE IN 3/4" CONDUIT FROM WALL MOUNTED ENCLOSURE. REFER TO 2/E-204 FOR ELEVATION DETAILS.
4. VERIFY EXISTING FIRE ALARM ADDRESSABLE SLC CABLE IS PRESENT IN EXISTING GENERATOR CONTROLLER , TO CONNECT NEW SLC CABLE FOR COMMUNICATIONS TO EXISTING SIMPLEX 4100U ADDRESSABLE FIRE ALARM CONTROL PANEL. IF NOT PRESENT, INSTALL NEW SLC CABLE FOR COMMUNICATIONS TO EXISTING SIMPLEX 4100U AND CONNECT TO SLC CABLE IN PANEL. SEE KEYED NOTE 5.
5. EXISTING SIMPLEX 4100U ADDRESSABLE FIRE ALARM CONTROL PANEL.
6. EXISTING 2.4KV ELECTRICAL CIRCUIT IN EXISTING CONDUIT FROM GROUND FLOOR TO EXISTING MANHOLE # 51.
7. EXISTING 2.4KV CUBICLE #13, WHERE EXISTING ELECTRICAL FEED IS CURRENTLY CONNECTED. VERIFY CONNECTION AND SWITCH IS OPERATING PROPERLY PRIOR TO RECONNECTING NEW ELECTRICAL FEED TO NEW ELECTRICAL CIRCUIT IN MANHOLE # 51 AND ON TO NEW WATER TOWER DISCONNECT FEEDING NEW TRANSFOMER.



1 **TOWER AREA**
SCALE: N.T.S.

KEYED NOTES:

1. REFER TO SITE PLAN FOR CONTINUATION OF UNDERGROUND CONDUITS TO POWER HOUSE.
2. PROVIDE NEW TRANSFORMER, DISCONNECT AND TRANSFORMER PAD AND PROVIDE GROUNDING PER NEC.
3. PROVIDE (3) 1/2" -1/5 " UNDERGROUND CONDUIT WITH (3) #2 AWG CONDUCTORS AND (1) # 8 GROUND WIRE TO EXISTING WATER TOWER POWER PANEL
4. PROVIDE 2" UNDERGROUND COMMUNICATIONS CONDUIT WITH FIBER OPTIC CABLE.
5. EXISTING. 100A, 120/208 POWER PANEL.
6. INSTALL COMMUNICATIONS CONDUIT WITH FIBER OPTIC TERMINATING CABINET ON EXISTING KINDORF SUPPORT SYSTEM.
7. WALL MOUNTED FIBER BREAKOUT KIT AND COMNET FIBER-TO-COPPER CONTACT CLOSURE TRANSMITTER. REFER TO 1/E-204 FOR ELEVATION DETAILS.
8. PROVIDE WINLAND MODEL #TA-1 TEMPERATURE MONITOR ABOVE NEW ENCLOSURE.
9. PROVIDE WINLAND MODEL #WB200 WATER BUG AND MOUNT 2" ABOVE FINISHED FLOOR AT FLOOR DRAIN LOCATION.
10. PROVIDE EDWARDS SIGNALING MODEL #2315A-L ON ENTRANCE MAN DOOR.
11. PROVIDE EDWARDS SIGNALING MODEL $2315A-L ON OVERHEAD DOOR AT 8" ABOVE FINISHED FLOOR ON EACH SIDE OF DOOR (2 TOTAL).

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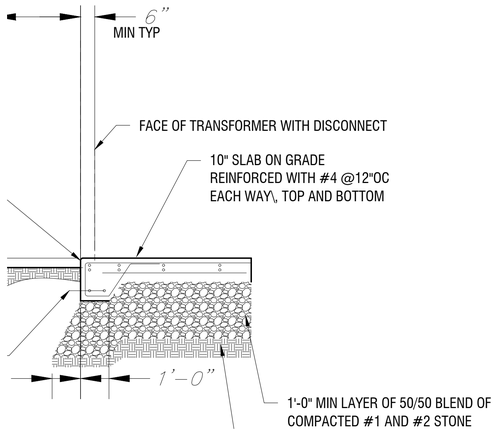
STATE OF NEW YORK · NICHOLAS CHARLES HAROLD · 092548 · LICENSED PROFESSIONAL ENGINEER
EXP: 04/30/2025

CONTRACT: GENERAL
TITLE: PROVIDE FACILITY CLOSURE
LOCATION: OGDENSBURG CORRECTIONAL FACILITY, 1 CORRECTIONAL WAY, OGDENSBURG, NEW YORK
CLIENT: DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
2	8/19/2025	ADDENDUM #1
1	5/7/2025	REVISON #1
0	02/21/2025	FINAL SUBMISSION

PROJECT NUMBER: Q1962
DESIGNED BY:
DRAWN BY:
FIELD CHECK:
APPROVED:
SHEET TITLE: ELECTRICAL ENLARGED PLANS
DRAWING NUMBER: E-102



3 **TRANSFORMER CONCRETE PAD DETAIL**
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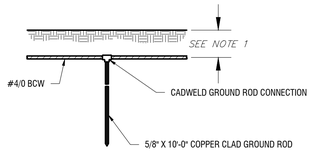
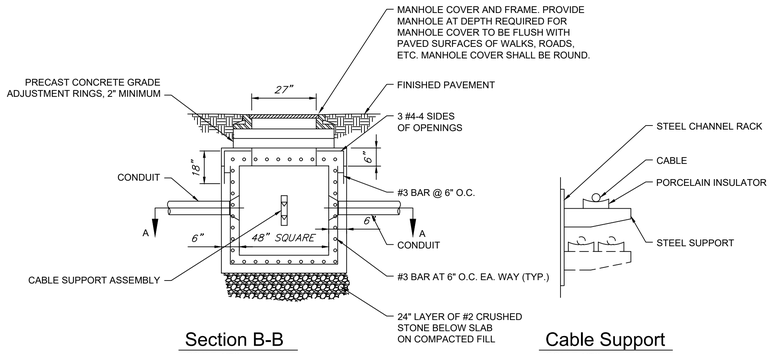


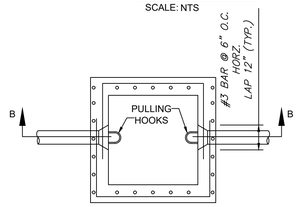
NOTES:
1. 30" MINIMUM.

4 **GROUND ROD DETAIL**
SCALE: N.T.S.



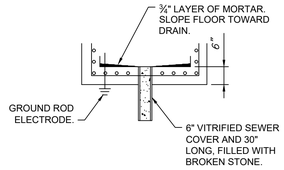
Section B-B
SCALE: NTS

Cable Support
SCALE: NTS



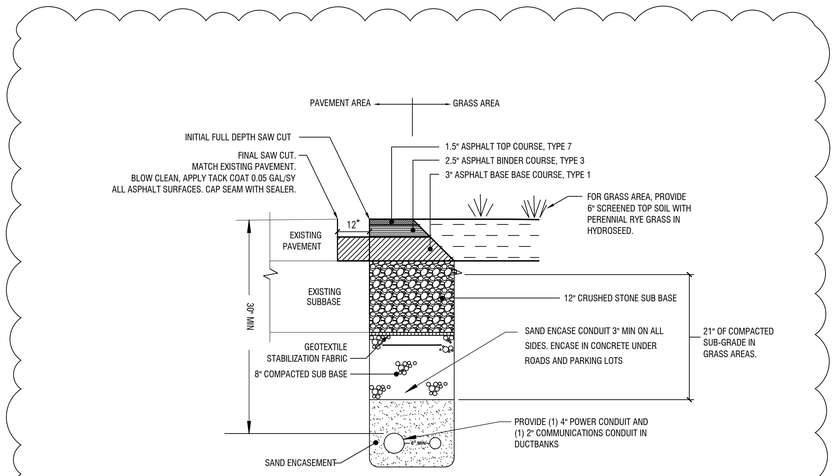
Section A-A
SCALE: NTS

NOTE:
NUMBER, SIZE & LOCATION
OF CONDUITS AS REQUIRED.



Partial Section B-B
SCALE: NTS

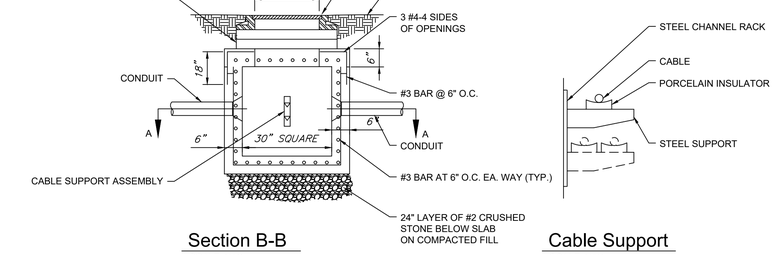
2 E-103 **CONCRETE MANHOLE DETAIL FOR POWER (FIELD CONSTRUCTED)**
SCALE: NTS



NOTES:
1. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL, AND GRASS.
2. 30" MIN OR 6" BELOW BOTTOM OF FROST LINE, WHICH \EVER IS DEEPER.

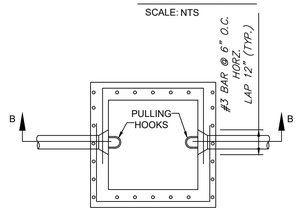
5 **DUCT BANK DETAIL**
SCALE: N.T.S.

2



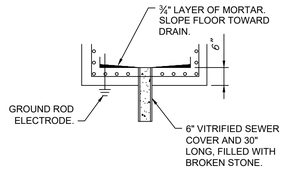
Section B-B
SCALE: NTS

Cable Support
SCALE: NTS



Section A-A
SCALE: NTS

NOTE:
NUMBER, SIZE & LOCATION
OF CONDUITS AS REQUIRED.



Partial Section B-B
SCALE: NTS

1 E-103 **CONCRETE HANDHOLE DETAIL FOR COMMUNICATION (FIELD CONSTRUCTED)**
SCALE: NTS

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ENERGY CODE COMPLIANCE WRITTEN STATEMENT:
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0 1 2 3
ORIGINAL SCALE IN INCHES

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

EXP: 04/30/2025

CONTRACT:
GENERAL

TITLE:
PROVIDE FACILITY CLOSURE

LOCATION:
OGDENSBURG CORRECTIONAL FACILITY
1 CORRECTIONAL WAY
OGDENSBURG, NEW YORK

CLIENT:
DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

MARK	DATE	DESCRIPTION
2	8/19/2025	ADDENDUM #1
1	5/7/2025	REVISON #1
0	02/21/2025	FINAL SUBMISSION

PROJECT NUMBER:	Q1962
DESIGNED BY:	
DRAWN BY:	
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
ELECTRICAL DETAILS

DRAWING NUMBER:
E–103

FINAL SUBMISSION

36x24 PLOT SHEET

Aug 18,2025 – 5:01pm
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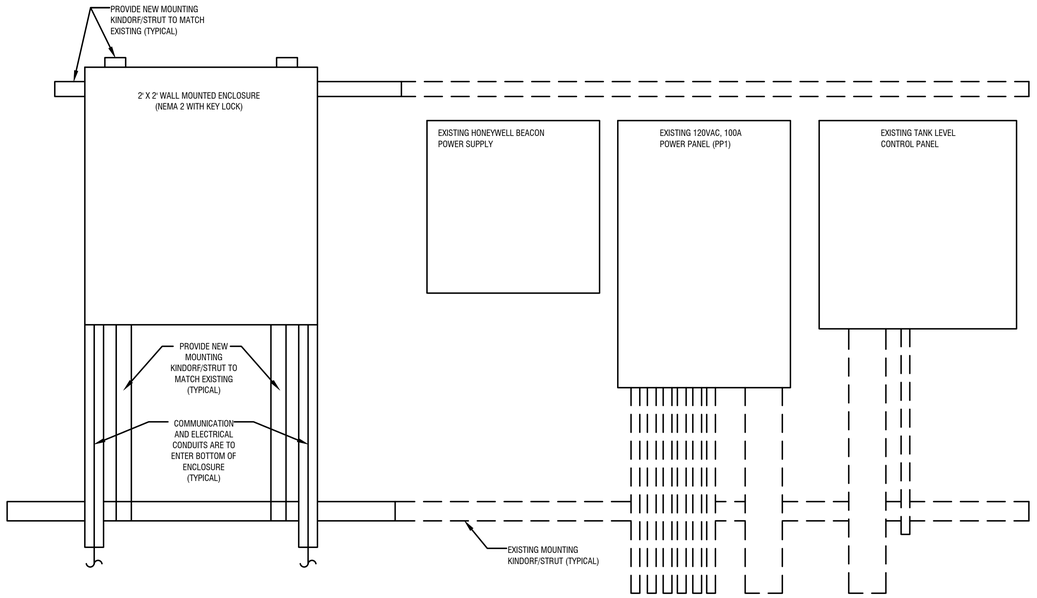
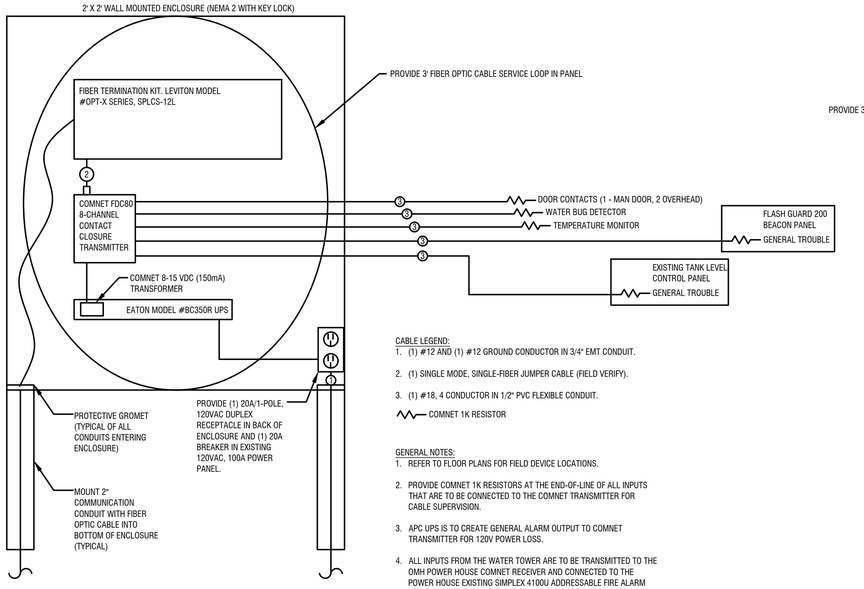


WATER TOWER ENCLOSURE EAST ELEVATION

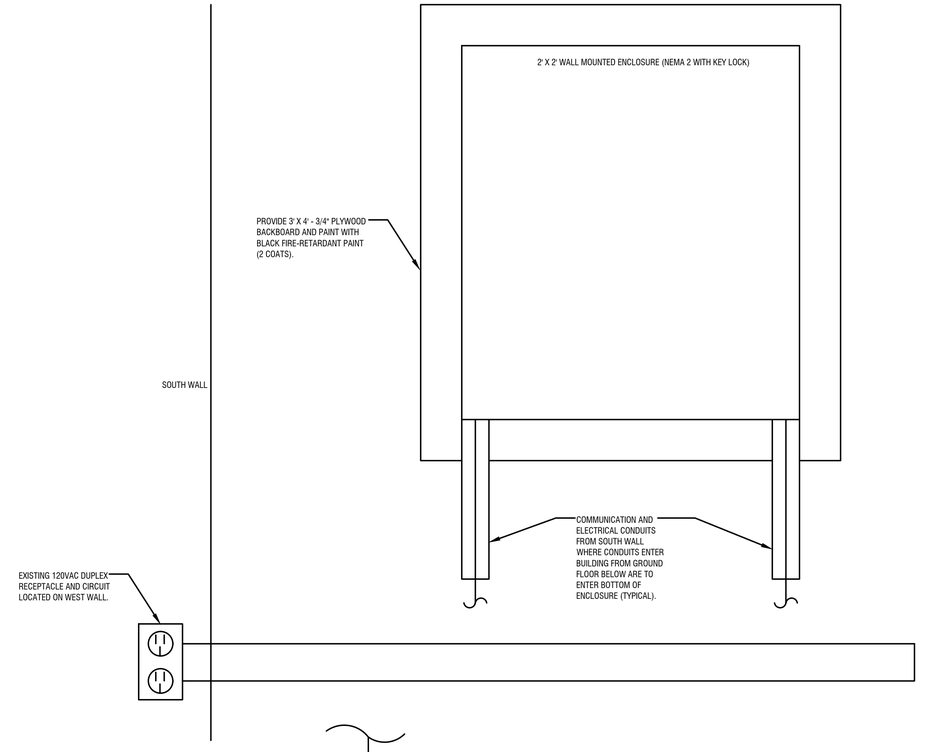


CABLE LEGEND:
1. (1) #12 AND (1) #12 GROUND CONDUCTOR IN 3/4" EMT CONDUIT.
2. (1) SINGLE MODE, SINGLE-FIBER JUMPER CABLE (FIELD VERIFY).
3. (1) #18, 4 CONDUCTOR IN 1/2" PVC FLEXIBLE CONDUIT.

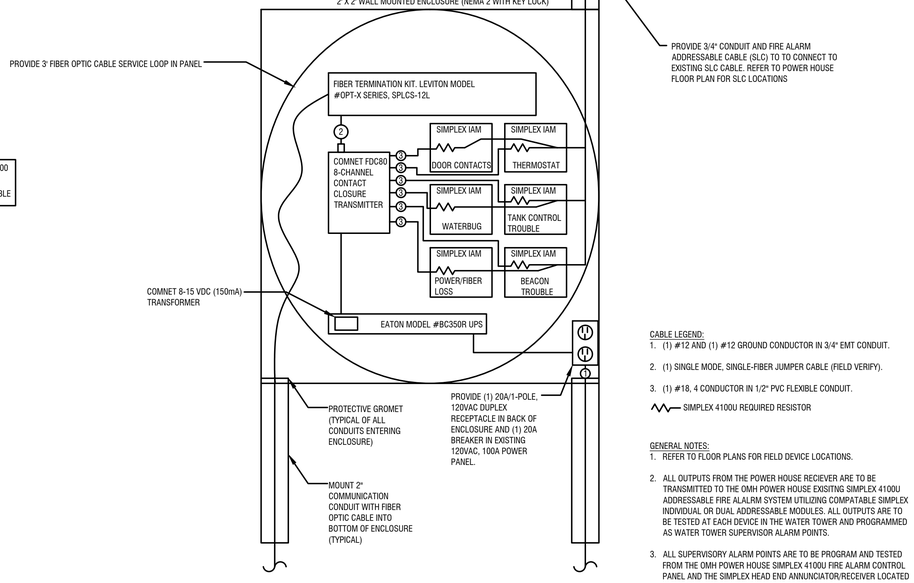
COMNET 1K RESISTOR

GENERAL NOTES:
1. REFER TO FLOOR PLANS FOR FIELD DEVICE LOCATIONS.
2. PROVIDE COMNET 1K RESISTORS AT THE END-OF-LINE OF ALL INPUTS THAT ARE TO BE CONNECTED TO THE COMNET TRANSMITTER FOR CABLE SUPERVISION.
3. APC UPS IS TO CREATE GENERAL ALARM OUTPUT TO COMNET TRANSMITTER FOR 120V POWER LOSS.
4. ALL INPUTS FROM THE WATER TOWER ARE TO BE TRANSMITTED TO THE OMH POWER HOUSE COMNET RECEIVER AND CONNECTED TO THE POWER HOUSE EXISTING SIMPLEX 4100U ADDRESSABLE FIRE ALARM SYSTEM AND PROGRAMMED AS WATER TOWER SUPERVISOR ALARM POINTS.

WATER TOWER RISER/DEVICE DETAIL



POWER HOUSE ENCLOSURE NORTH ELEVATION (STREET LIGHTING VAULT)



CABLE LEGEND:
1. (1) #12 AND (1) #12 GROUND CONDUCTOR IN 3/4" EMT CONDUIT.
2. (1) SINGLE MODE, SINGLE-FIBER JUMPER CABLE (FIELD VERIFY).
3. (1) #18, 4 CONDUCTOR IN 1/2" PVC FLEXIBLE CONDUIT.

SIMPLEX 4100U REQUIRED RESISTOR

GENERAL NOTES:
1. REFER TO FLOOR PLANS FOR FIELD DEVICE LOCATIONS.
2. ALL OUTPUTS FROM THE POWER HOUSE RECIEVER ARE TO BE TRANSMITTED TO THE OMH POWER HOUSE EXISITNG SIMPLEX 4100U ADDRESSABLE FIRE ALARM SYSTEM UTILIZING COMPATABLE SIMPLEX INDIVIDUAL OR DUAL ADDRESSABLE MODULES. ALL OUTPUTS ARE TO BE TESTED AT EACH DEVICE IN THE WATER TOWER AND PROGRAMMED AS WATER TOWER SUPERVISOR ALARM POINTS.
3. ALL SUPERVISORY ALARM POINTS ARE TO BE PROGRAM AND TESTED FROM THE OMH POWER HOUSE SIMPLEX 4100U FIRE ALARM CONTROL PANEL AND THE SIMPLEX HEAD END ANNUNCIATOR/RECEIVER LOCATED IN THE OMH TRINITY BUILDING SAFETY OFFICE.

POWER HOUSE RISER/DEVICE DETAIL

2

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

LaBella Powered by partnership.

JOB# 2223644.28

UNIFORM CODE STATEMENT:
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0 1 2 3
ORIGINAL SCALE IN INCHES

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 · JONATHAN CHARLES HAROLD · 092548 · LICENSED PROFESSIONAL ENGINEER

EXP: 04/30/2025

CONTRACT: GENERAL

TITLE: PROVIDE FACILITY CLOSURE

LOCATION: OGDENSBURG CORRECTIONAL FACILITY
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MARK	DATE	DESCRIPTION

PROJECT NUMBER: Q1962

DESIGNED BY:
DRAWN BY:
FIELD CHECK:
APPROVED:

SHEET TITLE: ELECTRICAL ELEVATIONS

DRAWING NUMBER: E-104

FINAL SUBMISSION

36x24 PLOT SHEET

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