



STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 3 TO PROJECT NO. 43262

CONSTRUCTION WORK, PLUMBING WORK HVAC WORK, ELECTRIC WORK

**PROVIDE LONG TERM CARE ADDITION AT G-WING
RENOVATE C AND E WINGS WALSH MEDICAL RMU
WALSH MEDICAL RMU
BUILDING NO. 52
MOHAWK CORRECTIONAL FACILITY
6514 STATE RTE. 26, ROME N.Y.**

October 7, 2011

<p>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.</p>
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SPECIFICATIONS

1. Page 011000-2, Article 1.04: Add the following paragraph:
 - “C. Asbestos-containing materials will be abated by the Construction Work Contractor. Do not perform other Work in the area of such activity during the abatement of asbestos-containing materials.”

2. Page 015000-1, Article 1.02: Add the following reference Sections:
 - “E. Construction Indoor Air Quality Management: Section 018119.
 - F. Disposal of Asbestos-Containing Materials: Section 028213.’

3. Page 017329-1, Article 1.01: Add the following reference Sections:
 - “B. Construction Waste Management: Section 017419.
 - C. Construction Indoor Air Quality Management: Section 018119.
 - D. Asbestos Abatement: Section 028213.

4. SECTION 028213 ASBESTOS ABATEMENT: Add the attached Section (pages 028213 – 1 through 028213 – X) to the Project Manual.
5. SECTION 028303 ABATEMENT OF LEAD CONTAINING MATERIALS: Add the attached Section (pages 028303 – 1 through 028303 – X) to the Project Manual.
6. SECTION 028303 HANDLING OF LEAD CONTAINING MATERIALS: Add the attached Section (pages 028304 – 1 through 028304 – X) to the Project Manual.
7. Page 123500-3, Article 3.02 KEYING SCHEDULE: Remove this Article in its entirety and replace with the following:

“3.02 KEYING SCHEDULE

- A. Key locks as follows;
 1. Key all casework alike in rooms: B129B.
 2. Key all casework alike in rooms: C101, C122, C124, C126A, C128, C132, C134, C140 and C144.
 3. Key all casework alike in rooms: G110, G112, G113, G114, G115, G120, G130, G132, G133, G135A, G139, G154, G157, G210, G212, G213, G214, G215, G220, G230, G232, G233, G235A, G239, G254 and G257.
 4. Key Individually, Narcotics Cabinet: Room C126A.
 5. Key Individually, Narcotics Cabinet: Room G135A.
 6. Key Individually, Narcotics Cabinet: Room G235A.”

HVAC SPECIFICATIONS

8. SECTION 230719 - INSULATION: Article 3.13, DUCT SERVICE INSULATION MATERIAL SCHEDULE: Revise the note under the Service column for Exposed, inside building insulation envelope, from “Air Conditioning Supply & Returns, 100% Outside Air, Heating Supply & Returns.” to “Air Conditioning Supply & Returns, 100% Outside Air, Heating Supply & Returns, ERV-1 Supply.”
9. SECTION 233113 – METAL DUCTWORK: Article 2.02.A.1.a, Revise item a to read as follows: “Exhaust ductwork from shower areas, locker areas, and all bathrooms with showers from exhaust registers to associated exhaust fan.”
10. SECTION 233113 – METAL DUCTWORK: Article 2.02.A.1.a.1: Delete this article from the project manual.
11. SECTION 233113 – METAL DUCTWORK: Article 2.03.A: Revise item to read as follows:
 - a. “Use minimum No. 18 gage for exhaust ducts from isolation rooms installed exterior to building. (Isolation room exhaust ductwork located inside the building shall be made of 18 gage galvanized steel.) “

- 12. SECTION 231323 – ABOVE GROUND FUEL STORAGE TANKS AND FUEL SYSTEMS:
Article 2.06.A: Change paragraph to read “Fuel shall be provided by others.”
- 13. SECTION 231323 – ABOVE GROUND FUEL STORAGE TANKS AND FUEL SYSTEMS:
Article 2.05 TANK HEATERS: Delete this article from the project manual.

PLUMBING SPECIFICATIONS

- 14. SECTION 231323 - ABOVEGROUND FUEL STORAGE TANKS AND FUEL SYSTEMS:
Article 2.06, Revise Article 2.06 to read as follows:

"2.06 TYPE C INSTALLATION PACKAGE: DIESEL EXHAUST FLUID (DEF)

- A. Storage Tank:
 - 1. UV protected polyethylene, triple wall containment system.
 - 2. 400 gallon capacity.
 - 3. Redundant heating system.
 - 4. Electrical box incorporating three (3) 20 amp, 115 volt AC circuits.
 - 5. Submersible pump.
 - 6. Primary and secondary tank vents.
 - 7. Overfill protection.
 - 8. Tank gauge console and probe.
 - 9. Dimensions: 172 in. long x 38 in. wide x 68 in. high.
- B. Dispenser:
 - 1. Insulated industrial grade cabinet with powder coat finish and dual heat.
 - 2. Positive displacement oval gear stainless steel flow meter.
 - 3. Electronic inventory monitoring system with pulse output.
 - 4. 1 micron cartridge filter with stainless steel housing.
 - 5. Hose reel with 25 ft. DEF hose.
 - 6. Stainless steel automatic nozzle with swivel.
- C. Provide with all accessories necessary to make a complete functional system."

ELECTRIC SPECIFICATIONS

- 15. SECTION 275223 - NURSE CALL SYSTEM: Delete section in its entirety and replace with the attached revised Section 275223 - Nurse Call System.

CHANGES TO ADDENDUM NO.1

- 16. Item No. 2: Change Article “1.07” to “1.04”.
- 17. Item No. 10: Change ‘A-610’ to “A-616”.
- 18. Item No. 12: Clarification to Drawing Nos. A-106 and A-108.
 - a. Drawing No. A-106: Provide Security Coils on both east and west sides of roof over Corridor G-147.
 - b. Drawing No. A-108: Provide Security Coils on the west side of roof over Corridor G-147.
- 19. Item No. 38,

- a. Note a: Add (1) smoke detector in rooms E106A, E116B and E116A.
- b. Note b: Change "location" to "locate".

CONSTRUCTION DRAWINGS

- 20. Drawing No.. C-100, GENERAL SECURITY NOTES: Add the following note;
 - "F. PROVIDE 9'-6" TEMPORARY SECURITY FENCE SLED AT THE FOLLOWING LOCATIONS; COVER THE GATE OPENING FOR THE TEMPORARY COMPOUND THAT ENCLOSES THE WORK FOR THE OXYGEN TANK. COVER THE EXISTING 16 FT. SECURITY FENCE IN THE AREA OF THE FENCE DURING PENETRATIONS FOR THE OXYGEN LINE AND ELECTRIC CONDUITS UNDER THE SECURITY PERIMETER."
- 21. Drawing No. C-504:
 - a. Detail 6A/C-504: Change detail title "SECURITY COIL ATTACHMENT AT TOP OF SLIDE GATE G-13" to read "SECURITY COIL ATTACHMENT AT TOP OF SLIDE GATES G-10 AND G-16".
 - b. Detail 6B/C-504: Change detail title "SECURITY COIL ATTACHMENT AT TOP OF SLIDE GATE G-14" to read "SECURITY COIL ATTACHMENT AT TOP OF SLIDE GATES G-11 AND G-17".
- 22. Drawing No. A-002: Change project no. "43262-G" to read "43262-C".
- 23. Drawing No. 126: Change drawing note "PROVIDE 14 – 1/2 X 14-1/2 OPENING AT CONCRETE SLAB. INSTALL & FLASH EQUIPMENT CURB (FBO) INTO EXISTING EPDM ROOFING (TYP OF 6)" to read "PROVIDE 14 – 1/2 INCH X 14-1/2 INCH OPENING AT CONCRETE SLAB. INSTALL & FLASH EQUIPMENT CURB (FBO) TYP OF 6."
- 24. Drawing Nos. A-126 and A-131: Add the following notes
 - "HAZARDOUS MATERIALS NOTES
 - 1. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL NYSDOL INDUSTRIAL CODE RULE 56 AND ALL OTHER APPLICABLE REGULATIONS.
 - 2. EXISTING ROOF VAPOR BARRIER IS ASSUMED TO CONTAIN ASBESTOS. DO NOT REMOVE EXISTING VAPOR BARRIER. PATCH EXISTING VAPOR BARRIER AS REQUIRED."
- 25. Drawing No. A-134: Delete all reference to (NIC) in drawings notes.
- 26. Drawing No. A-301, Detail 3/A-301:
 - a. Change detail title "TYPICAL CONTROL JOINT VENEER DETAIL" to read "TYPICAL EXPANSION JOINT VENEER DETAIL."
 - b. Change dimension of joint width from "3/8 inches" to read "3/4 inches".
- 27. Revised Drawings:

- a. Drawing Nos. C-102, S-004, S-111, S-211, A-101, A-107, A-123, A-124, A-125, A-129, and A-408 dated 10/5/11 accompany this Addendum and supersedes the same numbered originally issued drawings.

HVAC DRAWINGS

28. DRAWING M-107 – BASEMENT HEATING PLAN C WING:
 - a. Add the following general note “Tunnel areas and area under C wing addition are to be considered concealed spaces.”
29. DRAWING M-507 – DETAILS:
 - a. Add the following note to TYPICAL ONE-ROW FINNED-TUBE RADIATION DETAIL (FTR-A): “Piping and security enclosure to be continuous and go around all columns that extend into space.”
30. DRAWING M-507 – DETAILS:
 - a. Add the following note to TYPICAL ONE-ROW FINNED-TUBE RADIATION DETAIL (FTR-A):
“Vertical pipe enclosure to be sized as required to adequately conceal piping, including pipe insulation thickness. Submit fabrication drawing for approval.”
31. DRAWING M-602 – SCHEDULES:
 - a. Add the following to the FIN TUBE RADIATION SCHEDULE: “Tube size to be ¾” diameter.”
32. DRAWING M-116 – PARTIAL SITE PLAN:
 - a. Add the following general note: “Decommission and remove existing cooling tower and all associated above ground piping and underground piping back to building. Restore excavation back to original grade and condition.”
33. DRAWING M-115 – PARTIAL BASEMENT PIPING PLAN D WING:
 - a. Add the following note: “Provide 10” butterfly valves where 10” condenser water piping exits building. Provide 1” tee and 1” ball valve in 10” piping to drain piping.”
34. DRAWINGS M-101, M-107, M-115, & M-116:
 - a. Add the following general note: “Provide a 1-1/2” make up water pipe from G-wing basement to cooling tower, CT-1, and connect to CT-1 cold water make up fitting. Provide 1-1/2” ball valve where water pipe exits building. Provide 1” tee and 1” ball valve in 1-1/2” pipe to drain piping. Run cold water piping alongside of 10” condenser water piping. Provide 1-1/2” ball valve and cold water meter at connection to 2” cold water pipe in corridor G015 near CWP-2G ”

ELECTRIC DRAWINGS

ADDENDUM NO. 3 TO PROJECT NO. 43262-C,H,P,E

10/7/11

35. DRAWING E-120 - SITE PLAN - ELECTRICAL: Revise diesel exhaust fluid connections. See attached Sketches E-706 and E-707.

36. DRAWING E-507 - DETAILS:
 - a. Refer to Detail Number 1 - Fuel Pump Wiring Diagram. Revise Drawing Note Number One to read as follows:

"Provide 2 pole, 100 ampere trip circuit breaker to serve the sub-panel PP-FD. Install the circuit breaker in the existing panelboard. Re-arrange existing circuit breakers as necessary. Refer to Site Plan 1/E-120."

 - b. Refer to Detail Number 1. Revise Fuel Pump Wiring Diagram. Refer to attached Sketch E-709.

37. DRAWING E-602 - ONE-LINE DIAGRAM:
 - a. Revise emergency feeder designation for ATS-8 and ATS-9 to "W".
 - b. Remove feeder designation "X" from Main 1, normal power feeder.

38. DRAWING E-610 - PANEL SCHEDULES: Revise Panelboard LNP-FP. See attached Sketch E-708.

END OF ADDENDUM

James Dirolf, P.E.
Director of Design

SECTION 028213

ASBESTOS ABATEMENT

PART 1 GENERAL

1.01 SUMMARY

- A. This Section specifies the procedures for disturbance and removal of existing asbestos-containing materials (ACM) and disposal of removed materials. The Building materials were assumed to contain asbestos. See contract drawings no.'s A-101, A-123, A-126, A-129, A-131 Hazardous material notes.
 - 1. Suspect ACM was not sampled.
- B. Type of Asbestos Abatement Project:
 - 1. Large Asbestos Abatement Project: An asbestos project involving the removal, disturbance, repair or handling of more than 160 square feet or 260 linear feet of PACM.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Summary of the Work: Section 011000.
- B. Construction Facilities and Temporary Controls: Section 015000.
- C. Removals, Cutting, and Patching: Section 017329.

1.03 REFERENCES

- A. New York State Department of Environmental Conservation (DEC) 6NYCRR:
 - 1. Part 360 Solid Waste Management Facilities.
 - 2. Part 364 Waste Transporter Permits.
 - 3. Part 370 Hazardous Waste Management System-General.
 - 4. Part 371 Identification and Listing of Hazardous Wastes.
 - 5. Part 372 Hazardous Waste Manifest System and Related Standards for Generators, Transporters and Facilities.
 - 6. Part 373 Hazardous Waste Management Facilities.
- B. Occupational Safety and Health Administration (OSHA): Asbestos Regulations (29 CFR Part 1926.1101).
- C. U.S. Environmental Protection Agency (USEPA):
 - 1. National Emission Standards for Hazardous Air Pollutants; Asbestos NESHAP Revision; Final Rule.
 - 2. Asbestos Emergency Response Act (AHERA) (40 CFR Part 763, Subpart E).
- D. New York State Department of Labor (DOL): Industrial Code Rule 56.

1.04 DEFINITIONS

- A. Authorized Personnel: Facility or the Director's Representative, and all other personnel who are authorized officials of any regulating agency, be it State, Local, Federal or Private entity who possess legal authority for enforcement or inspection of the work.
- B. Clearance Criteria: Shall be determined and established by a Certified Asbestos Project Monitor with an independent testing lab employed by the Director's Representative, conforming to all standards set forth by all authorities having jurisdiction, mentioned in the references, and issue the certification of cleaning.
- C. Site Specific Variance: Relief in accordance with section 30 of the Labor Law from specific sections of Industrial Code Rule 56 for a specific project.
- D. Phase I & II: Asbestos Project phases as defined and subcategorized in ICR 56-2.

1.05 ABBREVIATIONS

- A. ASTM: American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103
- B. CFR: Code of Federal Regulations
Government Printing Office
Washington, DC 20402
- C. DOL: New York State Department of Labor
Harriman State Office Building Campus
Albany, NY 12240
- D. NIOSH: National Institute for Occupational Safety and Health
Building J.N.E. Room 3007
Atlanta, GA 30333
- E. OSHA: Occupational Safety and Health Administration
200 Constitution Avenue
Washington, DC 20210
- F. USEPA: United States Environmental Protection Agency
401 M Street SW
Washington, DC 20460

1.06 ASBESTOS SITE SPECIFIC VARIANCE

- A. If a site specific variance is sought, the application must be submitted by the contractor's NYS DOL Certified Asbestos Project Designer with 14 days after the Contract Agreement is approved by the Comptroller. Forward the required forms to the Department of Labor for their action.

1.07 SUBMITTALS

- A. Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following:
 - 1. One copy of the completed DOSH-751 and DOSH-465 forms.
 - 2. One copy of the New York State Department of Labor site specific variance decision.

- B. Quality Control Submittals:
 - 1. Notification Compliance Data: Within 2 days after notification is sent to the regulatory agencies submit one copy of each notice sent to each regulatory agency (USEPA and DOL).
 - 2. Asbestos Removal Company Data: Name and address of proposed asbestos removal company and abatement contractor license issued by DOL.
 - 3. Asbestos Worker Certification Data: Name and address of proposed asbestos abatement workers and licenses issued by DOL.
 - 4. Detailed Work Plan: For information only, submit one copy of the work plan required under Quality Assurance Article.
 - 5. Waste Transporter Permit: One copy of transporter's current waste transporter permit from NYS DEC (NYS Part 364 Permit).
 - 6. Landfill: Landfill to be used for ACM disposal shall be licensed to receive asbestos waste by NYS DEC (NYS Part 360 Permit) and by USEPA. Out of state landfills shall provide licenses from local agencies having jurisdiction.
 - 7. Negative Air Pressure Equipment: Copy of manufacturer's and performance data of all units and new HEPA filters used.

- C. Asbestos Work Closeout Submittals:
 - 1. Waste Shipment Records and Disposal Site Receipts: Copy of waste shipment record and disposal site receipt showing that the ACM has been properly disposed.
 - a. Waste shipment record and disposal site receipt must be received within 35 days of the ACM waste leaving the Site. If receipts are not received within the specified time period, the Director's Representative will notify USEPA in writing within 45 days of the ACM waste leaving the Site.

- D. Contract Closeout Submittals:
 - 1. Daily Log: Submit copy of Project Monitor's daily air sample log and a copy of Asbestos Abatement Contractor's Daily project log.
 - 2. Air Monitoring Data: Submit copy of air test results and chain of custody.

1.08 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with the referenced standards.

- B. Pre-Work Conference: Before the Work of this Section is scheduled to commence, a conference will be held by the Director's Representative at the Site

for the purpose of reviewing the Contract Documents, discussing requirements for the Work, and reviewing the Work procedures.

1. The conference shall be attended by the Contractor, the asbestos removal subcontractor, and the testing laboratory employed by the Director.
- C. Detailed Work Plan: At the conclusion of the pre-work conference, before the physical abatement Work begins, prepare a detailed work plan.
1. The work plan shall include, but not be limited to, work procedures, types of equipment, details of equipment used, decontamination unit locations, crew size, and emergency procedures for fire and medical emergencies and for failure of containment barriers.
 2. If a site specific variance is sought, do not finalize the work plan until the Department of Labor decision is received.

1.09 PROJECT CONDITIONS

- A. In addition to the postings required by law, post at the entrance to the abatement area the following documents:
1. Copy of the printed Work plan.
 2. Copy of Industrial Code Rule 56.
 3. Copy of all requirements per Code Rule 56.
- B. Shut-down of Air Handling System: Complete the Work of this Section within the time limitation allowed for shut-down of the air handling system serving the work area.
1. The air handling system will not be restarted until approval of the air monitoring tests following the last cleaning.
 2. If total shut down of the system is not acceptable, follow all regulations for local isolation and provision for temporary HVAC as per DOL regulations.
- C. Maintain electric services to those portions of the building and remaining facility not a part of the asbestos abatement work area at all times. Follow all regulations for electric power shut down exemptions as per DOL regulations.
- D. Do not obstruct any aisle or passageway so as to reduce its required width as an exit.

1.10 HEALTH AND SAFETY

- A. Where in the performance of the work, workers, supervisory personnel or sub-contractors may encounter, disturb, or otherwise function in the immediate vicinity of contaminated items and materials, all personnel shall take appropriate continuous measures as necessary to protect all ancillary building occupants from the potential ACM exposure.
1. Such measures shall include the procedures and methods described herein and shall be in compliance with all applicable regulations of Federal, State and Local agencies.

1.11 FIRE PROTECTION, EMERGENCY EGRESS AND SECURITY

- A. Establish emergency and fire exits from the work area containment. Provide first aid kits and two full sets of protective clothing and respirators for use by qualified emergency personnel outside of the work area.
- B. Provide a logbook throughout the entire term of the project. All persons who enter the regulated abatement work area or enclosure shall sign the logbook. Document any intrusion or incident in the log book.

1.12 PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT

- A. Workers must wear personal protective equipment for all projects as per OSHA and DOL regulations. Provide respiratory protection in accordance with OSHA regulation 1910.134 and ANSI Z88.2.
- B. Workers must be trained as per OSHA and DOL requirements, have medical clearance and must have recently received pulmonary function test (PFT) and respirator fit tested by a trained professional.
 - 1. A personal air sampling program shall be in place as required by OSHA.
 - 2. The use of respirators must also follow a complete respiratory protection program as specified by OSHA.

PART 2 PRODUCTS

2.01 DISPOSAL BAGS

- A. Type: Minimum 6 mil thick, black, and preprinted with an Asbestos Caution Label.

2.02 EQUIPMENT

- A. Temporary lighting, heating, hot water heating units, ground fault interrupters, and all other equipment on site shall be UL listed.
- B. All electrical equipment shall be in compliance with the National Electric Code, Article 305 - Temporary Wiring.

2.04 GLOVE BAGS

- A. Type: Minimum 6 mil thick, clear, fire retardant polyethylene. Select glove bag sizes appropriate for the size and location of the project.

2.05 NEGATIVE AIR PRESSURE UNITS

- A. Type: Local exhaust system, capable of maintaining negative air pressure within the containment, and provides for HEPA filtration of efficiency not less than 99.97 percent with 0.3 micron particles. Equip the unit with filter alarms lights and operation time meter.

2.06 PLASTIC SHEETS

- A. Type: Minimum 6 mil thick, clear, fire retardant polyethylene.

2.07 RESPIRATORS

- A. Type: As approved by the Mine Safety and Health Administration (MSHA), Department of Labor, or the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services.

2.08 VACUUM CLEANERS

- A. Type: Vacuums equipped with new HEPA filters.

PART 3 EXECUTION

3.01 ASBESTOS-CONTAINING MATERIAL HANDLING AND REMOVAL PROCEDURES

- A. Comply with the standards referenced in Part 1 of this Section.

3.02 CLEAN UP PROCEDURES

- A. Comply with the standards referenced in Part 1 of this Section.

3.03 PROJECT AIR SAMPLING, MONITORING AND ANALYSIS

- A. Air Sampling and Analysis: The Director will employ the services of an independent testing laboratory to perform air sample monitoring. The laboratory shall use the methods described in standards referenced in Part 1 of this Section.
 1. The equipment, duration, flow rate, calibration of equipment, number and location of samples are as per ICR 56-4.
 2. Air sampling technician shall be on site to observe and maintain air sampling equipment for the duration of the air sampling collection.
 3. Period of time permitted between completion of air sample collection and receipt of results on the project site shall be equal or less than 48 hours.
- B. If air samples collected outside the regulated work area indicate airborne fiber concentrations at or above 0.01 fibers per cubic centimeter, or the established background level, which ever is greater, work shall stop immediately for inspection of barriers and negative air ventilation systems. Clean up surfaces outside the regulated work area using HEPA filter equipped vacuums and wet cleaning methods. Work methods shall be altered to reduce fiber concentrations to acceptable levels.
- C. Elevated air sample results, if any, along with background and all other air sample results collected during Phase IIA through Phase IIC shall be submitted to the Commissioner of appropriate Asbestos Control Bureau within the same business day of receipt of results.

3.04 FINAL CLEANING AND CLEARANCE PROCEDURES

- A. Negative Pressure Ventilation: Negative air pressure machines if used, shall remain in continuous operation during the entire length of the project.
- B. Cleaning and Visual Inspection: After first, second, third cleaning and required waiting/settling and drying periods, perform a final visual inspection.
 - 1. Final clearance air sampling shall commence after the waiting/settling and drying time as per ICR 56 has elapsed.
- C. Project Monitor Visual Inspection: The Director will employ the services of a DOL certified asbestos project monitor employed by an independent testing laboratory to perform visual inspection as required by ICR 56.
- D. Final Clearance Air Sampling: The Director will employ the services of an independent testing laboratory to perform final air sampling.
 - 1. The laboratory shall use the methods described in standards referenced in Part 1 of this Section.
 - 2. The equipment, duration, flow rate, calibration of equipment, number and location of samples are as per ICR 56-4.
 - 3. If initial Post-Abatement (Clearance Air) Monitoring results do not comply with the standards referenced in Part 1 of this Section the Contractor shall either re-clean or order a full set of TEM analysis.
 - a. Results of the TEM analysis will be conclusive, and if the results do not comply with the standards referenced in Part 1 of this Section, the Contractor shall re-clean and additional full set of air samples will be collected and analyzed until the standards are met.
 - b. All satisfactory PCM clearance air sample results along with background air sample results, if they are greater than or equal to 0.01 fibers per cubic centimeter, shall be submitted to the Commissioner of appropriate Asbestos Control Bureau within two business days of receipt of satisfactory clearance air results.
 - c. All satisfactory TEM results of previously unsatisfactory PCM clearance air sample results, along with the unsatisfactory PCM results shall be submitted to the Commissioner of appropriate Asbestos Control Bureau within two business days of receipt of satisfactory clearance air results.
 - 4. Prior to removal of isolation barriers the Director's Representative at the site will receive an affidavit from the air monitoring laboratory certifying the final air samples comply with the standards referenced in Part 1 of this Section.
- E. Dismantling of Regulated Abatement Work Area:
 - 1. Remove all tools and equipment after proper decontamination as per Part 1 of this section.
 - 2. Dismantle and remove each tent enclosure and air lock and any barriers only after final clearance air monitoring has been performed and satisfactory results obtained.

3. All remaining polyethylene, duct tape, expandable foam and other barrier materials shall be bagged, wrapped, containerized and labeled as asbestos waste.
4. Remove all temporary hard walled barriers from site.
5. Dismantle any remote decontamination units and plastic sheeting shall be disposed as asbestos waste.
6. Remove all waste generated to the holding area, lockable trailer or dumpster.
7. Contractor's Supervisor shall certify in writing to the Director that abatement work is complete and no debris/residue remains.

3.05 DISPOSAL OF ASBESTOS-CONTAINING MATERIAL AND RELATED DEBRIS

- A. Remove all waste generated as part of the asbestos project from the project site within ten calendar days from the site after completion of Phase IIC of the project or within one day of the waste disposal container/trailer becomes full, whichever occurs first.
- B. Transport and dispose of all the asbestos-containing waste, related debris, and waste water to the approved disposal site.
- C. All generated waste removed from the site must be documented, accounted for and disposed of in compliance with the requirements of USEPA NESHAP.
- D. Comply also with the standards referenced in Part 1 of this Section.

3.06 RESTORATION

- A. Remove temporary decontamination facilities and restore area designated for these facilities to its original condition or better.
- B. Where existing work is damaged or contaminated, restore work to its original condition or better.

END OF SECTION

SECTION 028303

ABATEMENT OF LEAD CONTAINING MATERIALS

PART 1 GENERAL

1.01 SUMMARY

This Section specifies the requirements for protection of workers, prevention of contamination of adjacent areas, performing lead-abatement, post-abatement cleaning, pre-disposal testing of removed materials, and appropriate disposal of removed materials. The painted building materials are assumed to contain lead based paint. See contract drawings no.'s A-101, A-123, A-129, Hazardous material notes.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Existing Hazardous Material Information: Document 003126.
- B. Summary of the Work: Section 011000.
- C. Construction Facilities and Temporary Controls: Section 015000.
- D. Removals, Cutting, and Patching: Section 017329.

1.03 REFERENCES

- A. New York State Department of Environmental Conservation (DEC) 6NYCRR:
 - 1. Part 360 Solid Waste Management Facilities.
 - 2. Part 364 Waste Transporter Permits.
 - 3. Part 370 Hazardous Waste Management System-General.
 - 4. Part 371 Identification and Listing of Hazardous Wastes.
 - 5. Part 372 Hazardous Waste Manifest System and Related Standards for Generators, Transporters and Facilities.
 - 6. Part 373 Hazardous Waste Management Facilities.
- B. New York State Department of Transportation (DOT): Follow all regulations of 49CFR Part 100 through 199.
- C. Occupational Safety and Health Administration (OSHA): Lead Exposure in Construction: Interim Final Rule 29 CFR 1926.62.
- D. U.S. Department of Housing and Urban Development (HUD): Guidelines for evaluation and control of Lead based paint hazards: Title Ten of Housing and Community Act of 1992.
- E. U.S. Environmental Protection Agency (EPA): Resource Conservation and Recovery Act (RCRA) Section 3004 Hazardous and Solid Waste Amendments.
- F. U.S. Environmental Protection Agency (EPA): Toxicity Characteristics Leaching Procedure EPA Method 1311.

1.04 DEFINITIONS

- A. Authorized Personnel: Facility or the Director's Representative, and all other personnel who are authorized officials of any regulating agency, be it State, Local, Federal or Private entity who possess legal authority for enforcement or inspection of the work.
- B. Containment: The enclosure within the building which establishes a contaminated area and surrounds the location where lead remediation is taking place and establishes a Lead Control Work Area.
- C. Clearance Criteria: Shall be determined and established by an independent testing lab employed by the Director's Representative, conforming to all standards set forth by all authorities having jurisdiction, mentioned in the references. At a minimum no single post-work lead wipe sampling value shall have reading levels greater than the levels established by pre-work wipe sampling values, or greater than 40 mg/ft². Record levels in mg/ft².
- D. Fixed Object: Mechanical equipment, electrical equipment, fire detection systems, alarms, and all other fixed equipment, furniture, fixtures or other items which cannot be removed from the work area.
- E. HEPA: High Efficiency Particulate Absolute filtration efficiency of 99.97 percent down to 0.3 microns. Filtration provided on specialized vacuums and air filtration devices to trap particles.
- F. Lead Based Paint (LBP): Paints or other surface coatings that contain lead equal to or greater than 1.0 milligrams per square centimeter or 0.5 percent of lead by weight.
- G. Lead Dust Control Work Area: A cordoned off area with drop cloths or an enclosed area or structure with containment to prevent the spread of lead dust, paint chips, particles or debris from lead-containing paint removal operations.
- H. PPE: Personal Protective Equipment.

1.05 ABBREVIATIONS

- A. ASTM: American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103
- B. CFR: Code of Federal Regulations
Government Printing Office
Washington, DC 20402
- C. DOT: Department of Transportation
Main Office, 50 Wolf Road
Albany, NY 12232

- D. NIOSH: National Institute for Occupational Safety and Health
Building J.N.E. Room 3007
Atlanta, Georgia 30333
- E. OSHA: Occupational Safety and Health Administration
200 Constitution Avenue
Washington, DC 20210
- F. USEPA: United States Environmental Protection Agency
401 M Street SW
Washington, DC 20460

1.06 SUBMITTALS

- A. Product Data: Catalog sheets, specifications, and application instructions for paint removal products, and all equipment used.
- B. Quality Control Submittals:
 - 1. Worker'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. Names and addresses of 3 similar projects that each person has worked on during the past 3 years certificate for completion of lead the EPA lead renovators training program.
 - c. Name of lead supervisor on site during the work.
 - 2. Detailed Work Plan: Submit one copy of the work plan required under Quality Assurance Article.
 - 3. Waste Transporter Permit: One copy of transporter's current waste transporter permit.
- C. Operation and Maintenance Data: Submit air filtration unit manufacturer's catalog sheets for the HEPA filter.
 - 1. Provide an affidavit stating that the HEPA filters to be used for this project are new and unused.
- D. Contract Closeout Submittals:
 - 1. Disposal Site Receipts: Copy of waste shipment manifest and disposal site receipt showing where the lead-containing materials have been properly disposed.

1.07 QUALITY ASSURANCE

- A. Worker's Qualifications: The persons performing lead abatement and their supervisor shall be personally experienced in lead abatement work and shall have been regularly employed by a company performing lead abatement for a minimum of 3 years.
- B. Regulatory Requirements: Comply with the referenced standards.

- C. Pre-Work Conference: Before the Work of this Section is scheduled to commence, a conference will be held by the Director's Representative at the Site for the purpose of reviewing the Contract Documents, discussing requirements for the work, phasing the work, and reviewing the work procedures.
 - 1. The conference shall be attended by the Contractor, the lead removal subcontractor, and the testing laboratory employed by the Director.

- D. Detailed Lead-Containing Material Removal Work Plan: At the conclusion of the pre-work conference, before the physical lead abatement Work begins, prepare a detailed lead-containing material removal work plan.
 - 1. The detailed work plan shall include, but not be limited to, a drawing indicating the location, size, and details of lead dust control work areas, location and details of containment, decontamination facilities, sequencing of work procedures for lead removal, waste separation, containerization, and disposal. Include types of equipment, crew size, and emergency procedures for fire and medical emergencies.

1.08 PROJECT CONDITIONS

- A. Shut-down of Air Handling System: Complete the Work of this Section within the time limitation allowed for shut-down of the air handling system serving the work area.
 - 1. The air handling system will not be restarted until approval of the post-abatement tests following the last cleaning.

- B. Cover and seal all fin-tube radiator covers, diffusers, duplex outlets, speakers, smoke and heat detectors, etc.
 - 1. Prevent lead containing dust from entering hard to clean areas within the dust containment area.
 - 2. Items judged to be too difficult to protect may be disconnected, removed and replaced at contractor's option.

- C. Remove or encase all movable equipment in the work area with two layers of six mil fire retardant polyethylene sheeting.

1.09 HEALTH AND SAFETY

- A. Where in the performance of the work, workers, supervisory personnel or subcontractors may encounter, disturb, or otherwise function in the immediate vicinity of contaminated items and materials, all personnel shall take appropriate continuous measures as necessary to protect all ancillary building occupants from the potential lead exposure.
 - 1. Such measures shall include the procedures and methods described herein and shall be in compliance with all applicable regulations of Federal, State and Local agencies.

1.10 FIRE PROTECTION, EMERGENCY EGRESS AND SECURITY

- A. Establish emergency and fire exits from the lead dust control work area containment. Provide first aid kits and two full sets of protective clothing and respirators for use by qualified emergency personnel outside of the work area.
- B. Provide a logbook throughout the entire term of the project. All persons who enter the regulated lead dust control work area or containment shall sign the logbook. Document any intrusion or incident in the log book.

1.11 PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT

- A. Workers must wear protective suits, protective gloves, eye protection and a minimum of half-face respirator with HEPA filter cartridge for all projects. Respiratory protection shall be in accordance with OSHA regulation 1910.134 and ANSI Z88.2.
- B. Workers must be trained as per OSHA and DOL requirements, have medical clearance and must have recently received pulmonary function test (PFT) and respirator fit tested by a trained professional.
 - 1. A personal air sampling program shall be in place as required by OSHA.
 - 2. The use of respirators must also follow a complete respiratory protection program as specified by OSHA.

PART 2 PRODUCTS

2.01 PAINT REMOVAL PRODUCTS

- A. Chemical Paint Removal Products: Provide products that will not produce noxious fumes and does not contain methylene chloride.
- B. Mechanical Paint Removal: Provide UL 586 labeled, high efficiency particulate air (HEPA) filter system, Shrouded tools, certified as being capable of trapping and retaining mono-dispersed particles as small as 0.3 micrometers at a minimum efficiency of 99.97 percent.

2.02 RESPIRATORS

- A. Type: Approved by the Mine Safety and Health Administration (MSHA), Department of Labor, or the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services.

2.03 VACUUM CLEANERS

- A. Type: Vacuums equipped with new HEPA filters.

2.04 PLASTIC SHEETS

- A. Type: Minimum 6 mil., clear, fire retardant polyethylene sheets.
- B. Floor Protective Layer: Minimum 10 mil., reinforced polyethylene sheets.

2.05 DISPOSAL BAGS

- A. Type: Minimum 6 mil thick, clear polyethylene bags with preprinted Caution Label. Properly containerize/drum prior to disposal.

2.06 EQUIPMENT

- A. Temporary lighting, heating, hot water heating units, ground fault interrupters, and all other equipment on site shall be UL listed and shall be safe, proper, and sufficient for the purpose intended.
- B. All electrical equipment shall be in compliance with the National Electric Code, Article 305 - Temporary Wiring.

PART 3 EXECUTION

3.01 NOTIFICATION

- A. Notify the Director's Representative a minimum of 5 working days prior to the start of any paint removal work.

3.02 PRE-ABATEMENT WIPE TESTING

- A. The Director will employ the services of an independent testing laboratory to perform pre-abatement testing of surfaces within the lead dust control work area.
 - 1. The testing laboratory will be New York State Department of Health, Environmental Laboratory Approval Program certified (NYS ELAP).

3.03 EMPLOYEE PROTECTION

- A. Comply with all applicable Occupational Safety and Health Administration (OSHA) Requirements.

3.04 WORK AREA PROTECTION

- A. Lead Dust Control Work Area Requirements: Provide a lead dust control work area where lead-containing paint removal operations will be performed in accordance with the approved Work Plan.
- B. Protection of Existing Construction: Perform paint removal work without damage or contamination of adjacent areas and existing construction.

3.05 LEAD-CONTAINING MATERIAL REMOVAL

- A. Perform removal of lead-containing materials in accordance with approved lead-containing material removal work plan.
 - 1. Use procedures and equipment as required to limit occupational and environmental exposure to lead when lead-containing paint is removed in accordance with referenced standards.
 - 2. Limit the production and dissemination of dust as much as possible.
 - 3. Perform manual wet sanding and scraping to the maximum extent feasible.

3.06 POST-ABATEMENT WIPE TESTING

- A. The Director will employ the services of an independent testing laboratory to perform post-abatement testing of surfaces within the lead dust control work area:
 - 1. The testing laboratory will be New York State Department of Health, Environmental Laboratory Approval Program certified (NYS ELAP).

3.07 MULTIPLE WORK LOCATIONS

- A. The first 6 locations encountered shall be utilized to develop a method for an acceptable baseline approach for the lead dust control work area, pre abatement wipe samples, employee protection, lead paint removal method, post abatement wipe samples, cleaning criteria.
 - 1. Once an acceptable method is developed and verified by the independent testing lab employed by the Director, subsequent wipe testing shall not be required.
 - 2. Do not change the methodology of the verified work plan during the course of the entire project.

3.08 CLEANING CRITERIA

- A. Cleaning criteria for surfaces within the lead dust control work area:
 - 1. Surfaces within the Lead Dust Control Work Area: In each area where the abatement has been performed, compare the post abatement wipe sample results with the pre abatement wipe sample values. If any of the sample results exceed the pre abatement sample values, clean again and schedule retesting until the lead levels are equal to or lower than the pre abatement values, or less than the HUD guidelines listed below. Any other surfaces inside the lead dust control work area that are not listed below shall be cleaned to the pre-abatement levels.
 - a. Floors: 40 micrograms of lead per square foot.
 - b. Window Sills: 250 micrograms of lead per square foot.

3.09 CERTIFICATION OF ABATEMENT

- A. Schedule dust wipe testing with the Director's Representative at the site, when work area is ready for clearance testing.
- B. Director's Representative will employ the services of an independent testing lab to perform clearance testing.

1. Prior to removal of any isolation barrier, the Director's Representative will obtain a written affidavit and a final assessment report from the lab stating that the tests conform to all standards set forth by all authorities having jurisdiction, mentioned in the references.
 2. Schedule a walk-through inspection with the Director's Representative and obtain his written approval.
- C. The Director's Representative shall have final determination of an acceptable clearance level.

3.10 PRE-DISPOSAL TCLP TESTING

- A. Prior to disposal, Director's Representative will employ the services of an independent testing lab to perform clearance testing of the removed materials for toxicity in accordance with EPA Method 1311, Toxicity Characteristic Leaching Procedure (TCLP).
1. Test results indicating a value greater than 5 ppm lead classifies the removed material as Hazardous Waste.

3.11 DISPOSAL OF LEAD-CONTAINING MATERIAL AND RELATED DEBRIS

- A. Transport and dispose of lead-containing material classified as Hazardous Waste in accordance with the standards referenced in Part 1 of this Section.
- B. Transport and dispose of lead-containing material classified as Non-Hazardous Waste in accordance with standards referenced in Part 1 of this Section.

3.12 RESTORATION

- A. Remove temporary decontamination facilities and restore area designated for these facilities to its original condition or better.
- B. Where existing construction is damaged or contaminated, restore work to its original condition or better.

END OF SECTION

SECTION 028304

HANDLING OF LEAD CONTAINING MATERIALS

PART 1 GENERAL

1.01 SUMMARY

- A. This Section specifies the requirements for the detection and prevention of lead dust contamination of lead dust control work areas and areas adjacent to them, protection of workers, post-work cleaning, predisposal testing and appropriate disposal of removed material. The painted building materials are assumed to contain lead based paint. See contract drawings no.'s A-101, A-123, A-129, Hazardous material notes.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Summary of the Work: Section 011000.
- B. Construction Facilities and Temporary Controls: Section 015000.
- C. Removals Cutting and Patching: Section 017329.

1.03 REFERENCES

- A. New York State Department of Environmental Conservation (DEC) 6NYCRR:
 - 1. Part 360 Solid Waste Management Facilities.
 - 2. Part 364 Waste Transporter Permits.
 - 3. Part 370 Hazardous Waste Management System-General.
 - 4. Part 371 Identification and Listing of Hazardous Wastes.
 - 5. Part 372 Hazardous Waste Manifest System and Related Standards for Generators, Transporters and Facilities.
 - 6. Part 373 Hazardous Waste Management Facilities.
- B. New York State Department of Transportation (DOT): Follow all regulations of 49CFR Part 100 through 199.
- C. Occupational Safety and Health Administration (OSHA): Lead Exposure in Construction: Interim Final Rule 29 CFR 1926.62.
- D. U.S. Department of Housing and Urban Development (HUD): Guidelines for evaluation and control of Lead based paint hazards: Title Ten of Housing and Community Act of 1992.
- E. U.S. Environmental Protection Agency (EPA): Resource Conservation and Recovery Act (RCRA) Section 3004 Hazardous and Solid Waste Amendments.
- F. U.S. Environmental Protection Agency (EPA): Toxicity Characteristics Leaching Procedure EPA Method 1311.

1.04 DEFINITIONS

- A. Authorized Personnel: Facility or the Director's Representative, and all other personnel who are authorized officials of any regulating agency, be it State, Local, Federal or Private entity who possess legal authority for enforcement or inspection of the work.
- B. Containment: The enclosure within the building which establishes a contaminated area and surrounds the location where lead remediation is taking place and establishes a Lead Control Work Area.
- C. Clearance Criteria: Shall be determined and established by an independent testing lab hired by the Director's Representative, conforming to all standards set forth by all authorities having jurisdiction, mentioned in the references, and issue the certification of cleaning. At a minimum no single post-work lead wipe sampling value shall have reading levels greater than the levels established by pre-work wipe sampling values, or greater than 40 mg/ft². Record levels in mg/ft².
- D. Fixed Object: Mechanical equipment, electrical equipment, fire detection systems, alarms, and all other fixed equipment, furniture, fixtures or other items which cannot be removed from the work area.
- E. HEPA: High Efficiency Particulate Absolute filtration efficiency of 99.97 percent down to 0.3 microns. Filtration provided on specialized vacuums and air filtration devices to trap particles.
- F. Lead Based Paint (LBP): Paints or other surface coatings that contain lead equal to or greater than 1.0 milligrams per square centimeter or 0.5 percent of lead by weight.
- G. Lead Dust Control Work Area: A cordoned off area with drop clothes or an enclosed area or structure with containment to prevent the spread of lead dust, paint chips, particles or debris from lead-containing paint disturbance operations.
- H. PPE: Personal Protective Equipment.

1.05 ABBREVIATIONS

- A. ASTM: American Society for Testing and Materials
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Philadelphia, PA 19103
- B. CFR: Code of Federal Regulations
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Atlanta, Georgia 30333
- E. OSHA: Occupational Safety and Health Administration
200 Constitution Avenue
Washington, DC 20210
- F. USEPA: United States Environmental Protection Agency
401 M Street SW
Washington, DC 20460

1.06 SUBMITTALS

- A. Quality Control Submittals:
 - 1. Worker' Qualifications: The persons removing lead containing/coated material and their Supervisors shall be personally experienced in this type of work and shall have been employed by a company with a minimum of one year experience in this type of work. Submit a copy of documentation of completion of current valid lead awareness certifications.
 - 2. Detailed Work Plan: Submit one copy of the work plan required under Quality Assurance Article.
 - 3. Waste Transporter Permit: One copy of transporter's current waste transporter permit.
- B. Operation and Maintenance Data: Submit air filtration unit operation and maintenance data and manufacturer's catalog sheets for the HEPA filter.
 - 1. Provide an affidavit stating that the HEPA filters to be used for this project are new and unused.
- C. Contract Closeout Submittals:
 - 1. Assessment Report compiled by a testing lab certifying that the work area has lead concentrations below the levels specified under the cleaning criteria.
 - 2. Disposal Site Receipts: Copy of waste shipment record and disposal site receipt showing that the lead-containing materials have been properly disposed.

1.07 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with the referenced standards.
- B. Pre-Work Conference: Before the Work of this Section is scheduled to commence, a conference will be held by the Director's Representative at the Site with the contractor and the lead handling subcontractor (if any) for the purpose of reviewing the Contract Documents, discussing requirements for the Work, and reviewing the Work procedures.
- C. Detailed Lead-Containing Material Removal Work Plan: Before the physical Work begins, prepare a detailed lead-containing material removal work plan.
 - 1. The work plan shall include, but not be limited to, the location, size, and

details of lead dust control work areas, sequencing of lead containing material handling, work procedures, types of equipment, crew size, and emergency procedures for fire and medical emergencies.

1.08 PROJECT CONDITIONS

- A. Shut-down of Air Handling System: Complete the Work of this Section within the time limitation allowed for shutdown of the air handling system serving the work area.
 - 1. The air handling system will not be restarted until approval of the post-work dust-wipe testing following the last cleaning.
- B. Cover and seal all fin-tube radiator covers, diffusers, duplex outlets, speakers, smoke and heat detectors, etc.
 - 1. Prevent lead containing dust from entering hard to clean areas within the dust containment area.
 - 2. Items judged to be too difficult to protect may be disconnected, removed and replaced at contractor's option.
- C. Remove or encase all movable equipment in the work area with two layers of six mil fire retardant polyethylene sheeting.
- D. Flame cutting or grinding is prohibited for removal work.

1.09 HEALTH AND SAFETY

- A. Where in the performance of the work, workers, supervisory personnel or sub-contractors may encounter, disturb, or otherwise function in the immediate vicinity of contaminated items and materials, all personnel shall take appropriate continuous measures as necessary to protect all ancillary building occupants from the potential lead exposure.
 - 1. Such measures shall include the procedures and methods described herein and shall be in compliance with all applicable regulations of Federal, State and Local agencies.

1.10 FIRE PROTECTION, EMERGENCY EGRESS AND SECURITY

- A. Establish emergency and fire exits from the lead dust control work area containment. Provide first aid kits and two full sets of protective clothing and respirators for use by qualified emergency personnel outside of the work area.
- B. Provide a logbook throughout the entire term of the project. All persons who enter the regulated lead dust control work area or containment shall sign the logbook. Document any intrusion or incident in the log book.

1.11 PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT

- A. Workers must wear protective suits, protective gloves, eye protection and a minimum of half-face respirator with HEPA filter cartridge for all projects. Respiratory protection shall be in accordance with OSHA regulation 1910.134 and ANSI Z88.2.

- B. Workers must be trained, have medical clearance and must have recently received pulmonary function test (PFT) and respirator fit tested by a trained professional.
 - 1. A personal air sampling program shall be in place as required by OSHA.
 - 2. The use of respirators must also follow a complete respiratory protection program as specified by OSHA.

PART 2 PRODUCTS

2.01 RESPIRATORS

- A. Type: Approved by the Mine Safety and Health Administration (MSHA), Department of Labor, or the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services.

2.02 VACUUM CLEANERS

- A. Type: Vacuums equipped with new HEPA filters.

2.03 PLASTIC SHEETS

- A. Type: Minimum 6 mil., clear, fire retardant polyethylene sheets.
- B. Floor Protective Layer: Minimum 10 mil., reinforced polyethylene sheets.

2.04 DISPOSAL BAGS

- A. Type: Minimum 6 mil thick, clear polyethylene bags with preprinted Caution Label. Properly containerize/drum prior to disposal.

2.05 EQUIPMENT

- A. Temporary lighting, heating, hot water heating units, ground fault interrupters, and all other equipment on site shall be UL listed and shall be safe, proper, and sufficient for the purpose intended.
- B. All electrical equipment shall be in compliance with the National Electric Code, Article 305 - Temporary Wiring.

PART 3 EXECUTION

3.01 PRE-WORK WIPE TESTING

- A. Testing: The Director's Representative will employ the services of an independent testing laboratory to perform the pre-work testing within the lead dust control work area and the areas adjacent to the lead dust control work area.
 - 1. The testing lab will be New York State Department of Health, Environmental Laboratory Accreditation Program (NYS ELAP).

3.02 EMPLOYEE PROTECTION

- A. Comply with all applicable Occupational Safety and Health Administration (OSHA) Requirements.

3.03 LEAD-CONTAINING/COATED MATERIAL HANDLING AND DISPOSAL

- A. Handle and dispose of lead-containing materials in accordance with OSHA 1926.62 and the approved lead-containing material work plan. Use procedures and equipment required to limit occupational and environmental exposure to lead when material containing or coated with lead containing paint is handled and disposed of in accordance with referenced standards.

3.04 POST-WORK WIPE TESTING

- A. Testing: The Director will employ the services of an independent testing laboratory to perform the post-work testing within the lead dust control work area:
 - 1. The testing lab will be New York State Department of Health, Environmental Laboratory Accreditation Program (NYS ELAP).

3.05 MULTIPLE WORK LOCATIONS

- A. The first 6 locations encountered shall be utilized to develop a method for an acceptable baseline approach for the lead dust control area, pre work wipe samples, employee protection, work method, post work wipe samples, cleaning criteria and disposal.
 - 1. Once an acceptable method is developed and verified by the independent testing lab employed by the Director, subsequent testing shall not be required.
 - 2. Do not change the methodology of the verified work plan during the course of the entire project.

3.06 CLEANING CRITERIA

- A. Cleaning criteria for surfaces within the lead dust control work area:
 - 1. Surfaces within the Lead Dust Control Work Area: In each area where the abatement has been performed, compare the post abatement wipe sample results with the pre abatement wipe sample values. If any of the sample results exceed the pre abatement sample values, clean again and schedule retesting until the lead levels are equal to or lower than the pre abatement values, or less than the HUD guidelines listed below. Any other surfaces inside the lead dust control work area that are not listed below shall be cleaned to the pre-abatement levels.
 - a. Floors: 40 micrograms of lead per square foot.
 - b. Window Sills: 250 micrograms of lead per square foot.

3.07 CERTIFICATION OF CLEANING

- A. Schedule dust wipe testing with the Director's Representative at the site, when work area is ready for clearance testing.
- B. Director's Representative will employ the services of an independent testing lab to perform clearance testing.
 - 1. Prior to removal of any isolation barrier, the Director's Representative will obtain a written affidavit and a final assessment report from the lab stating that the tests conform to all standards set forth by all authorities having jurisdiction, mentioned in the references.
 - 2. Schedule a walk-through inspection with the Director's Representative and obtain his written approval.
- C. The Director's Representative shall have final determination of an acceptable clearance level.

3.08 PRE-DISPOSAL TCLP TESTING

- A. Prior to disposal, test the removed materials for toxicity in accordance with EPA Method 1311, Toxicity Characteristic Leaching Procedure (TCLP).
 - 1. Test results indicating a value greater than 5 ppm lead classifies the removed material as Hazardous Waste.

3.09 DISPOSAL OF LEAD-CONTAINING/COATED MATERIAL AND RELATED DEBRIS

- A. Transport and dispose of lead-containing material classified as Hazardous Waste in accordance with the standards referenced in Part 1 of this Section.
- B. Transport and dispose of lead-containing material classified as Non- Hazardous Waste in accordance with the standards referenced in Part 1 of this Section.

3.10 RESTORATION

- A. Remove temporary decontamination facilities and restore area designated for these facilities to its original condition or better.
- B. Where existing construction is damaged or contaminated during the course of performing this project, restore area to its condition or better.

END OF SECTION

SECTION 275223

NURSE CALL SYSTEM

PART 1 GENERAL

1.01 SYSTEM DESCRIPTION

- A. The nurse call system operates as separate independent systems for each ward. Each independent system shall operate as a zoned nurse call and intercom system. A nurse at each master station monitors the status of various signal initiating devices (staff stations, patient stations, emergency stations and duty stations) that are located within the respective ward. Each signal initiating device operates as a separate zone.
- B. Signal Initiation: A call is placed from a signal initiating device to the master station as follow:
1. Patient Stations and Staff Stations: A “Normal” call is placed by depressing the call button. A call assurance light illuminates in the station indicating the call has been placed. The call may be cancelled from the originating station or from the master station.
 2. Emergency Stations: An “Emergency” call is placed by depressing the large red vinyl push-button. A call assurance light illuminates in the station indicating the call has been placed. Cancellation must be made from the originating station.
 3. Duty Stations: A “Normal” call is placed by depressing the call button. A call assurance light illuminates in the station indicating the call has been placed. The call may be cancelled from the originating station or from the master station.
- C. Upon actuation of signal initiating devices:
1. A zone light illuminates and a tone sounds at the respective master station indicating the type of call (“Normal” or “Emergency”) and showing the room number from which the call was placed.
 2. The corridor light over the door from which the call originated illuminates. Light is on steadily for “Normal” calls and flashes for “Emergency” calls.
 3. An “incoming call” light illuminates and a tone sounds at the respective duty station indicating the type of call (“Normal” or “Emergency”) that has been placed. A silence switch in each duty station allows personnel to silence the tone. If calls are being answered by the master station, a “busy” light is illuminated.
 4. The nurse at the master station answers the call by depressing the illuminated pushbutton in the master station.
 - a. Two-way communication is established between the calling station and the master station.
 - b. A red privacy light illuminates in the calling station indicating that activity in the room can be heard.

1.02 SUBMITTALS

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

- B. Submittals Package: Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package.
- C. Shop Drawings:
 - 1. Composite wiring and/or schematic diagrams of the complete system as proposed to be installed (standard diagrams will not be acceptable).
- D. Product Data:
 - 1. Catalog sheets, specifications and installation instructions.
 - 2. Bill of materials.
 - 3. Detailed description of system operation (format similar to SYSTEM DESCRIPTION).
 - 4. Name, address and telephone number of nearest fully equipped service organization.
- E. Quality Control Submittals:
 - 1. Company Field Advisor Data: Include:
 - a. Name, business address and telephone number of company Field Advisor secured for the required services.
 - b. Certified statement from the Company listing the qualifications of the Company Field Advisor.
 - c. Services and each product for which authorization is given by the company, listed specifically for this project.
- F. Contract Closeout Submittals:
 - 1. System acceptance test report.
 - 2. Certificate: Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.
 - 3. Operation and Maintenance Data:
 - a. Deliver 2 copies, covering the installed products, to the Director's Representative. Include:
 - 1) Operation and maintenance data for each product.
 - 2) Completed point to point wiring diagrams of entire system as installed. Number all conductors and show all terminations and splices. (Numbers shall correspond to numbered tags installed on each conductor).
 - 3) Name, address, and telephone number of nearest fully equipped service organization.

1.03 QUALITY ASSURANCE

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

- a. Make arrangements with the owners of 2 installations (selected by the Director) for inspection of the installations by the Director's Representative. 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. Test Facility: The company producing the system shall have test facilities available that can demonstrate that the proposed system meets contract requirements.
- C. Company Field Advisor: Secure the services of a Company Field Advisor for a minimum of 16 working hours for the following:
- 1. Render advice regarding installation and final adjustment of the system.
 - 2. Render advice on the suitability of each signal initiating device for its particular application.
 - 3. Witness final system test and then certify with an affidavit that the system is installed in accordance with the contract documents and is operating properly.
 - 4. Train facility personnel on the operation and maintenance of the system (minimum of two 2 hour sessions 15 days apart).
 - 5. Explain available service programs to facility supervisory personnel for their consideration.

1.04 MAINTENANCE

- A. Service Availability: A fully equipped service organization capable of guaranteeing response time within 24 hours to service calls shall be available to service the completed Work.
- B. Spare Parts:
 - 1. 50 percent spare of each type fuse.
 - 2. 30 percent spare of each type lamp (except LED type).
 - 3. 10 percent spare of each type signal initiating device.
 - 4. 10 percent spare of each item requiring replacement for operation and routine maintenance of system.

5. 15 spare call cords for patient stations.
6. 5 spare switch plugs for patient stations.

PART 2 PRODUCTS

2.01 CENTRAL EQUIPMENT

- A. Rauland Responder 4000 System, Model #NC2828 Central Equipment and Termination Cabinet (Refer to Drawings for locations) with:
 1. Backbox for surface mounting equipment.
 2. Station capacity as required with spare.
 3. Rauland Model #R4KPWR 24V dc power supply for Responder 4000.

2.02 MASTER STATIONS

- A. Rauland Responder R4KNCLD Desktop Type Master Station with:
 1. Minimum of 20 pushbuttons.

2.03 SIGNAL INITIATING DEVICES

- A. Staff Stations: Rauland Model R4KSS Staff Station with:
 1. Backbox.
 2. Tamper resistant construction.
- B. Duty Stations: Rauland Model R4KDY Duty station with:
 1. Backbox.
 2. Tamper resistant construction.
- C. Patient Stations: Rauland Model HSS-400 Patient Station with:
 1. Backbox.
 2. Speaker/microphone.
 3. Tamper resistant construction.
 4. Call Button, cordset (8 feet in length), and nurse call jack; supervised device to indicate "trouble" signal if cordset is removed.
- D. Emergency Stations: Rauland Model HSS8 Lavatory/Emergency Station for heavy duty high security use:
 1. Backbox.
 2. Tamper resistant construction.

2.04 CORRIDOR LIGHTS

- A. Single Corridor Light: Rauland Model CLA244:
 1. Dome lens and LED lamp, coordinate color with facility.
 2. Tamper resistant hardware.
 3. Backbox for surface mounting.
 4. No metal dividers between lamps.

2.05 WIRING

- A. Insulated conductors shall meet requirements of Section 260501 and the following:
 - 1. Wiring shall be shielded or unshielded Category 5 as recommended by system manufacturer.
 - 2. Number of conductors and conductor size as recommended by system manufacturer, except that conductor size shall not be less than previously specified.

2.06 MANUFACTURERS

- A. The Basis of Design is the Rauland Responder 4000 System and components identified in this Specification.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install system in accordance with the Company's printed instructions unless otherwise indicated.
- B. Labeling:
 - 1. Use markers to identify conductors at terminal strips, cabinets, and junction boxes (designations shall correspond with point to point wiring diagrams).
 - 2. Install nameplate with station designation on each station.

3.02 FIELD QUALITY CONTROL

- A. Preliminary System Test:
 - 1. Preparation: Have the Company Field Advisor adjust the completed system and then operate it long enough to assure that it is performing properly.
 - 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. Make the following tests:
 - a. Individually test signal initiating devices.
 - b. Test corridor lights.
 - c. Test each system function step by step as summarized under SYSTEM DESCRIPTION.
 - 3. Supply all equipment necessary for system adjustment and testing.
 - 4. Submit written report of test results signed by Company Field Advisor and the Director's Representative. Mount a copy of the final report in a plexiglass enclosed frame assembly adjacent to the control equipment.

END OF SECTION

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CONTRACT: **CONSTRUCTION**

TITLE: **PROVIDE LONG TERM CARE ADDITION AT G-WING RENOVATE C & E-WINGS WALSH MEDICAL RMU**

LOCATION: **MOHAWK CORRECTIONAL FACILITY
6100 SCHOOL ROAD
ROME, NEW YORK**

CLIENT: **NYS DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION**

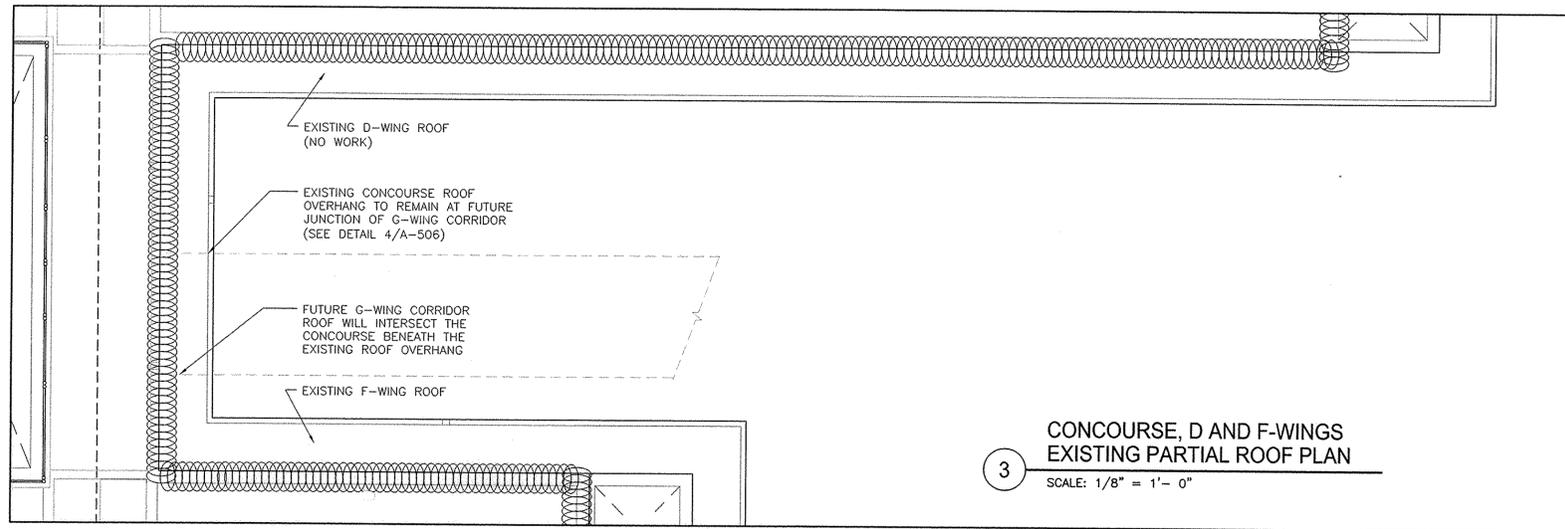
ADDENDUM-3

REVISION	DATE	DESCRIPTION
10-05-11	ADDENDUM-3	
09-21-11	ADDENDUM-1	
04-19-11	BID DOCUMENTS	
06-10-09	REVISED SUBMISSION	
03-18-09	SUBMISSION	

PROJECT NUMBER: **43262-C**
DESIGNED BY: **REID SIMONDS**
DRAWN BY: **N. LENDRUM**
FIELD CHECK:
APPROVED:
SHEET TITLE:

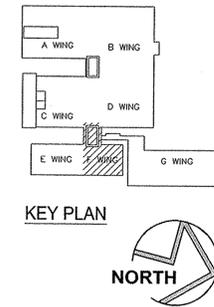
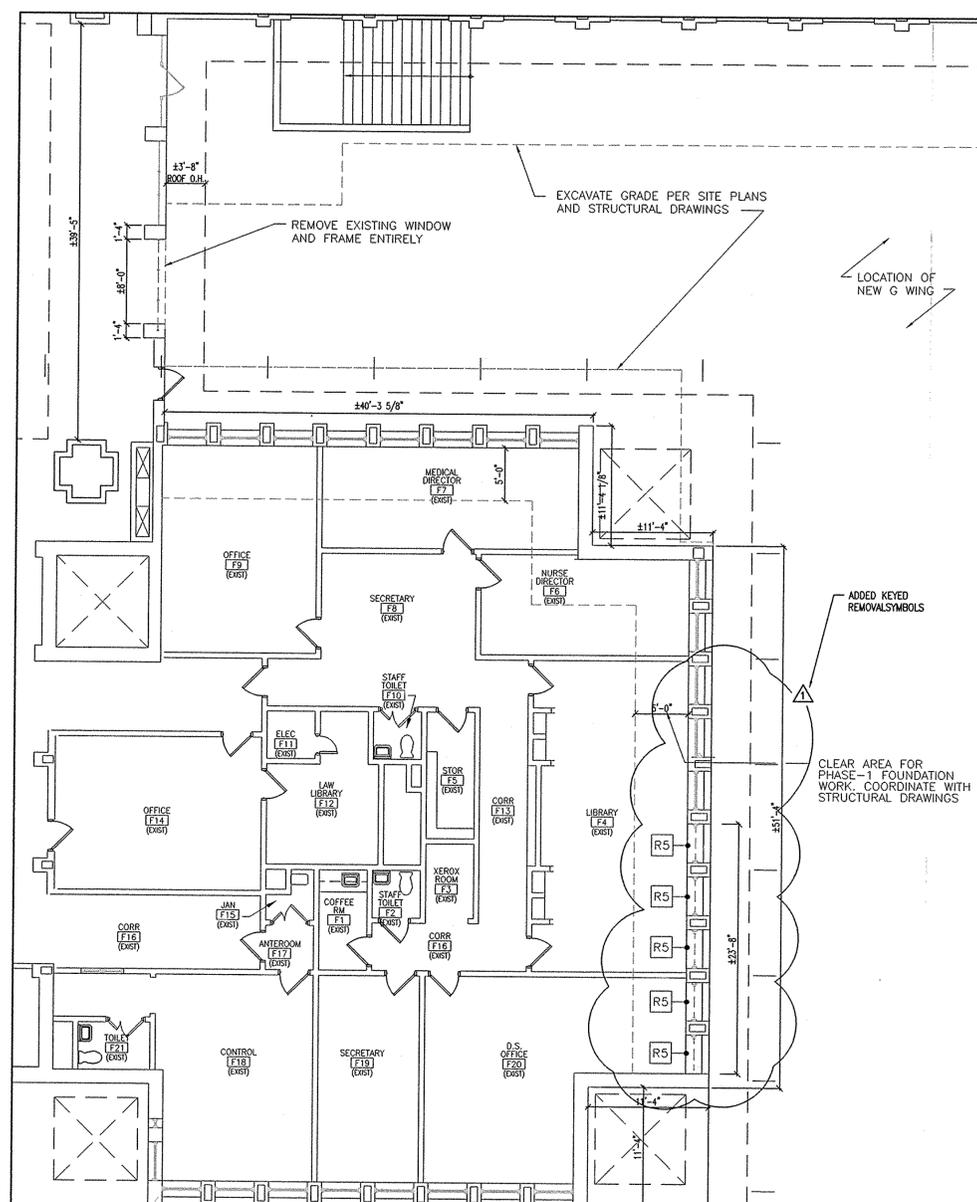
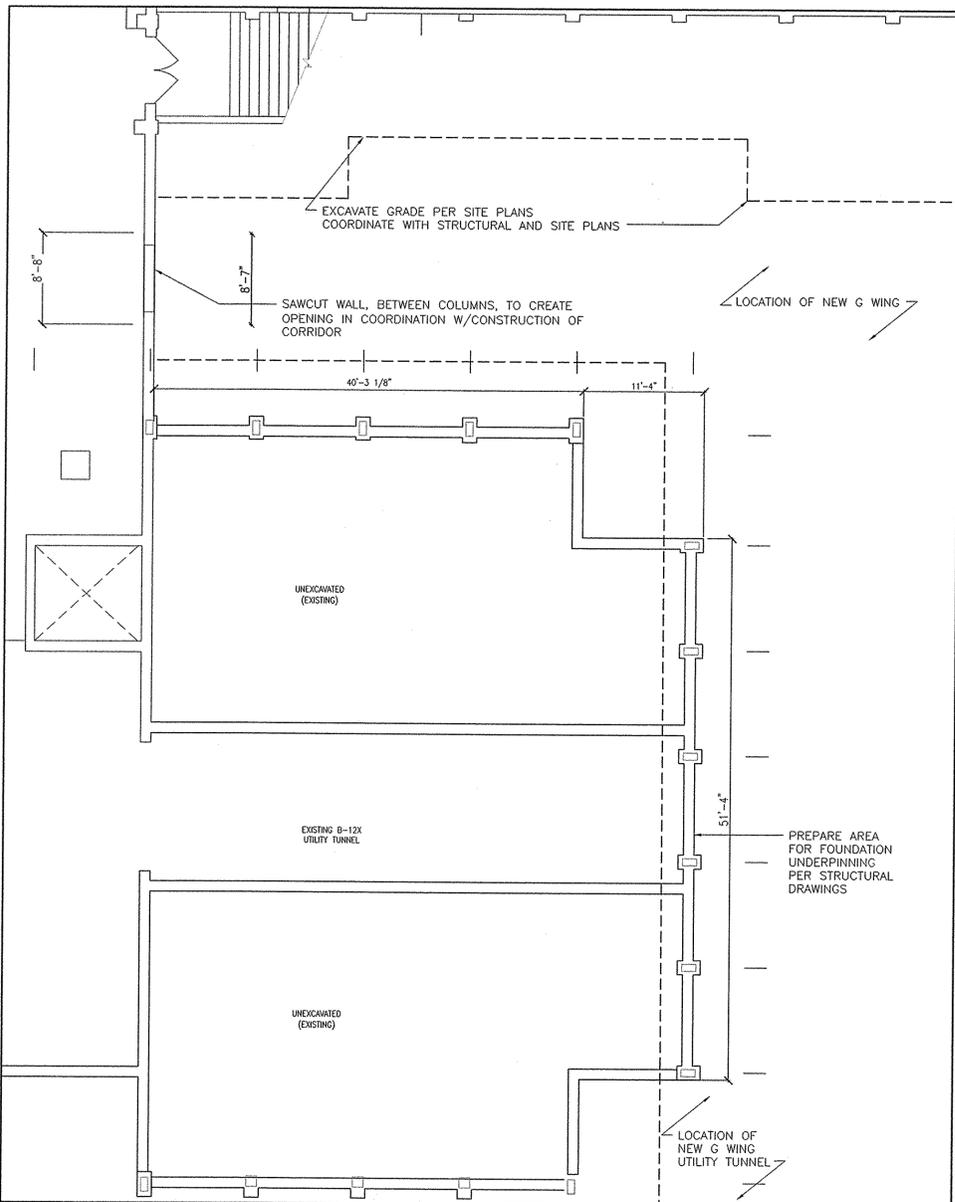
EXISTING F-WING
REMOVAL PLANS

DRAWING NUMBER: **A-101**



- REMOVAL PLAN LEGEND**
- REMOVE WALL OR ELEMENT
 - - - - EXISTING TO REMAIN
 - REMOVE FLOOR SLAB
- REMOVAL KEY NOTES**
- R1 REMOVE CEILING FIXTURES AND RECYCLE/DISPOSE PER SPECS
 - R2 REMOVE EXISTING CASEWORK
 - R3 REMOVE EXISTING DOOR, FRAME & HARDWARE
 - R4 REMOVE EXISTING PLUMBING FIXTURE AND PIPING
 - R5 REMOVE EXISTING WINDOW
 - R6 REMOVE EXISTING CERAMIC TILE FLOORING AND BASE
 - R7 REMOVE EXISTING FINISH FLOORING
- REMOVAL PLAN NOTES**
- COORDINATE ALL MATERIALS, EQUIPMENT AND UTILITY REMOVALS FOR RECYCLING OR DISPOSAL PER BID DOCUMENTS.
 - COORDINATE TERMINATION OF UTILITIES WITH FACILITY AND OTHER TRADES.
 - PROVIDE PERMANENT THRU-WALL PENETRATION FIRE STOP SYSTEMS W/REQUIRED FIRE RATINGS AT WALLS AND PARTITIONS THAT ARE INDICATED AS FIRE RATED ASSEMBLIES AT LOCATIONS WHERE ELEMENTS ARE REMOVED.
 - PROVIDE TEMPORARY FIRE STOP SYSTEM AT PENETRATIONS LEFT BY THE REMOVAL OF UTILITY EQUIPMENT, ETC. WHERE IT WILL BE REPLACED UNDER CONTRACT.
 - PATCH, REPAIR OR REPLACE ALL SUB-STRUCTURE AND FINISHED SURFACES AFFECTED BY REMOVAL WORK. PREPARE FOR NEW WORK PER CONTRACT DOCUMENTS.
 - REVIEW TEMPORARY PARTITIONS FOR SECURITY AND CONSTRUCTION PROCEDURES WITH THE FACILITY PRIOR TO COMMENCING CONSTRUCTION.
 - MAINTAIN EGRESS PASSAGEWAYS AT ALL TIMES.
 - CONSTRUCTION MANAGER MUST COORDINATE WITH THE FACILITY IN ADVANCE TO SCHEDULE ANY SYSTEM SHUT DOWNS, IF REQUIRED.
 - ROOF DRAINS AND CONDUCTOR PIPING SHALL REMAIN IN SERVICE DURING DEMOLITION. COORDINATE REMOVALS WITH PLUMBING CONTRACTOR.

- HAZARDOUS MATERIAL NOTES:**
- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL NYSDOL INDUSTRIAL CODE RULE 56 AND ALL OTHER APPLICABLE REGULATIONS.
 - EXISTING PAINTED SECURITY SCREENS AND COMPONENTS ARE ASSUMED TO CONTAIN LEAD BASED PAINT. WHERE FLAME CUTTING OR GRINDING IS REQUIRED FOR REMOVAL WORK, LEAD PAINT ABATEMENT IS REQUIRED PER SPECIFICATION SECTION 028303. FOR OTHER MECHANICAL WORKS AND METHODS OF REMOVAL WORK, LEAD HANDLING IS REQUIRED PER SPECIFICATION SECTION 028304. SCRAPE OFF ALL LEAD AND REELING LEAD PAINT PRIOR TO RECYCLING AND DISPOSE OF AS HAZARDOUS MATERIAL. RECYCLE ALL REMOVED STEEL.
 - EXISTING PERIMETER WINDOW CALK IS ASSUMED TO CONTAIN ASBESTOS. REMOVE APPROXIMATELY 2,000 L.F. OF NON-FRIBLE ASBESTOS CALK PER SPECIFICATION SECTION 028213. SEE REMOVAL DRAWINGS FOR LOCATIONS.





NYS OFFICE OF GENERAL SERVICES

Serving New York

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Governor
ROANN M. DESTITTO
Commissioner
JAMES M. DAVIES, A.I.A.
Deputy Commissioner, Design and Construction

CONSULTANT

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CONTRACT: CONSTRUCTION

TITLE: PROVIDE LONG TERM CARE ADDITION
AT G-WING RENOVATE C & E-WINGS
WALSH MEDICAL RMU

LOCATION: MOHAWK CORRECTIONAL FACILITY
6100 SCHOOL ROAD
ROME, NEW YORK

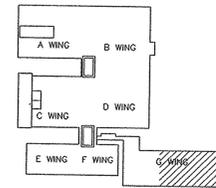
CLIENT: NYS DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION

ADDENDUM-3

REVISION	DATE	DESCRIPTION
1	10-05-11	ADDENDUM-3
2	09-21-11	ADDENDUM-1
3	04-19-11	BID DOCUMENTS
4	06-10-09	REVISED SUBMISSION
5	03-18-09	SUBMISSION

PROJECT NUMBER: **43262-C**
 DESIGNED BY: REID SIMONDS
 DRAWN BY: N. LENDRUM
 FIELD CHECK:
 APPROVED:
 SHEET TITLE:
**G-WING NORTH
 SECOND FLOOR PLAN**

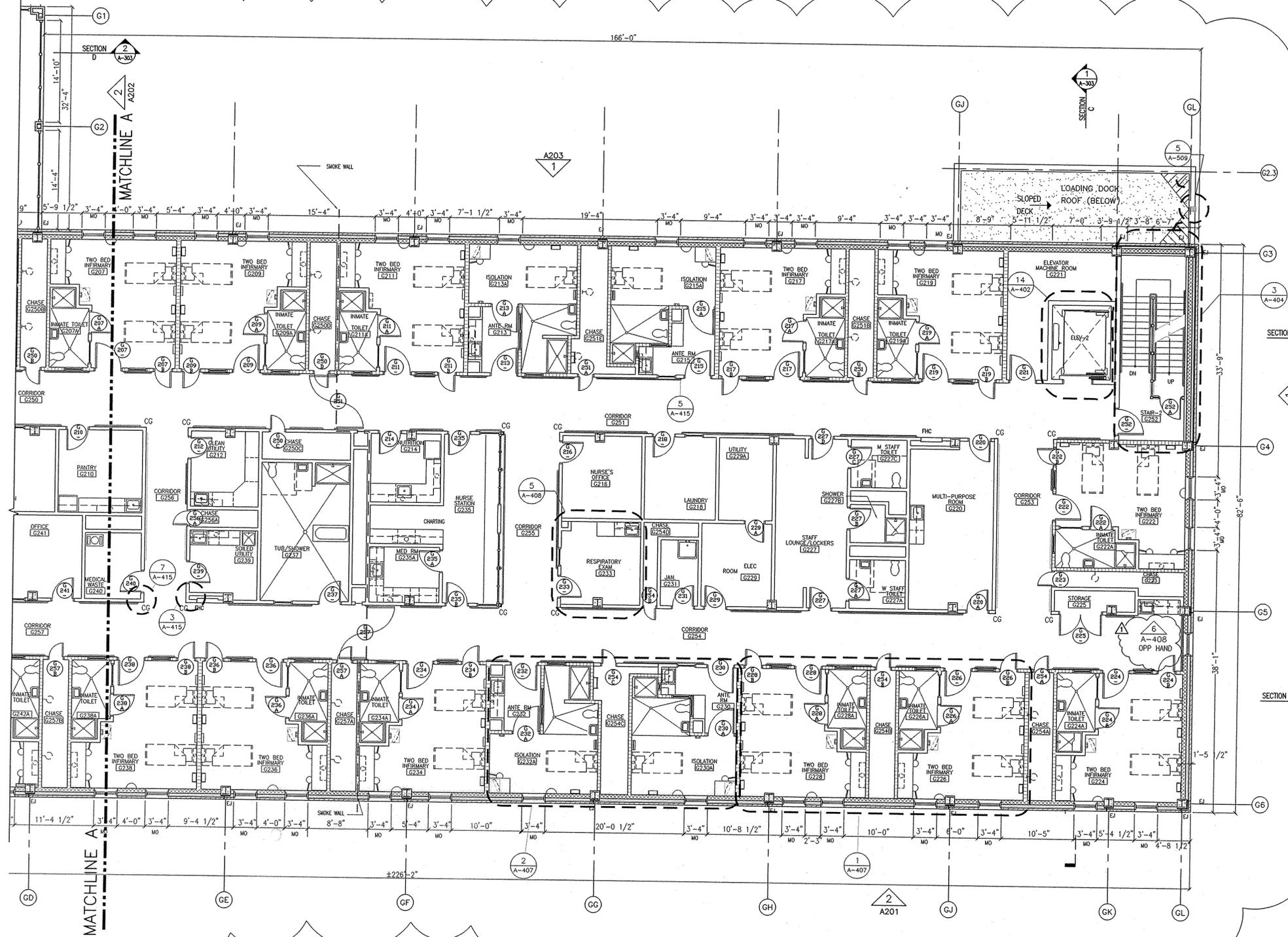
DRAWING NUMBER: A-107



KEY PLAN



ADD WINDOW TYPE IDENTIFICATION SYMBOLS

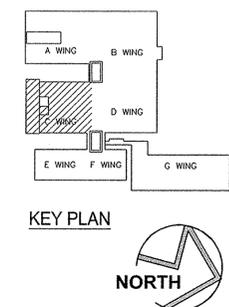
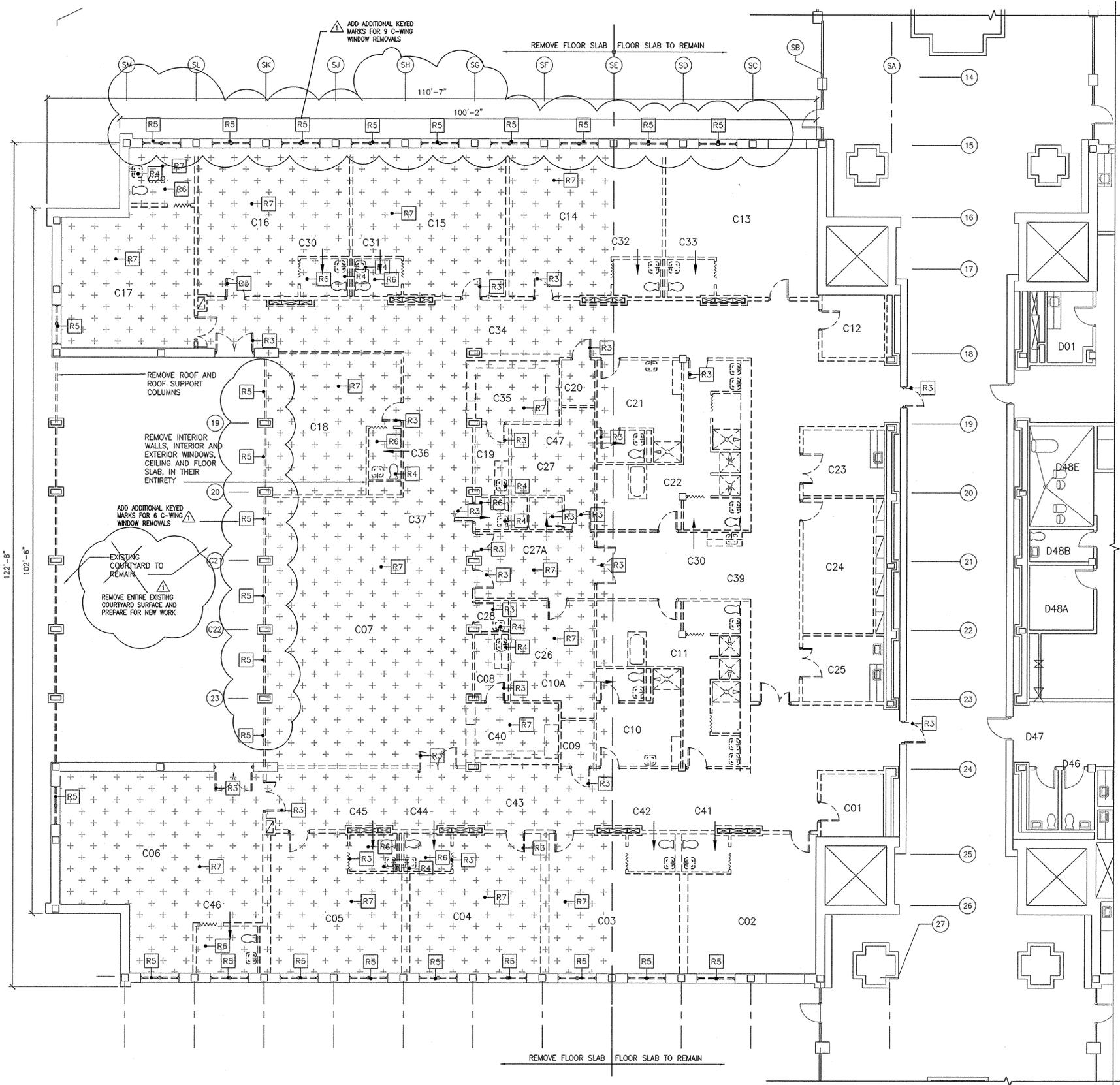


- FLOOR PLAN LEGEND**
- NON-SECURE PARTITION
 - CMU SECURE PARTITION
 - CMU SHEAR WALL
 - EXTERIOR COMPOSITE WALL
 - BRICK VENEER
 - WALL MOUNTED DESK LIGHT
 - WALL MOUNTED NIGHT LIGHT
 - PANORAMIC MIRROR
 - WALL CORNER GUARD
 - TV SHELF (TV NIC)
 - FLOOR DRAIN (NIC)
 - TOILET (NIC)
 - SINK (NIC)
 - INFIRMARY DESK
 - WALL MOUNTED STOOLS
 - WARDROBE SHELF
 - FURNITURE LOCATION (NIC)
 - DOOR NUMBER
 - WINDOW TYPE

- FLOOR PLAN NOTES:**
1. SEE SHEET A-301 FOR PARTITION TYPES AND NOTES.
 2. COORDINATE ALL PENETRATIONS, MOUNTING ATTACHMENTS, EQUIPMENT AND UTILITIES WITH PLUMBING, MECHANICAL AND ELECTRICAL TRADES.
 3. DEPRESS CONCRETE SLAB FOR ALL ROOMS AND AT SHOWER AREAS FINISHED WITH CERAMIC TILE (SEE STRUCTURAL).
 4. PROMOTE LEVELS AT ALL OPENINGS FOR ALL MASONRY OPENINGS (SEE STRUCTURAL).
 5. LOCATE FIXTURES, FURNISHINGS AND ACCESSORIES INCLUDED IN CONTRACT PER ENLARGED PLANS & INTERIOR ELEVATIONS.
 6. SEE PARTITION PLAN FOR INTERIOR DIMENSIONS AND PARTITION TYPE DESIGNATIONS.
 7. SEE CEILING PLAN FOR CEILING FIXTURES LAYOUT AND DETAIL REFERENCES.
 8. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION.

1
**G WING - NORTH
 SECOND FLOOR PLAN**
 SCALE: 1/8" = 1'- 0"

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36/24 PLOT SHEET



- REMOVAL PLAN LEGEND**
- REMOVE WALL OR ELEMENT
 - EXISTING TO REMAIN
 - REMOVE FLOOR SLAB
- REMOVAL KEY NOTES**
- REMOVE CEILING FIXTURES AND RECYCLE/DISPOSE PER SPECS
 - REMOVE EXISTING CASEWORK
 - REMOVE EXISTING DOOR, FRAME & HARDWARE
 - REMOVE EXISTING PLUMBING FIXTURE AND PIPING
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 8. CONSTRUCTION MANAGER MUST COORDINATE WITH THE FACILITY IN ADVANCE TO SCHEDULE ANY SYSTEM SHUT DOWNS, IF REQUIRED.
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 3. EXISTING PERIMETER WINDOW CAULK IS ASSUMED TO CONTAIN ASBESTOS. REMOVE APPROXIMATELY 2,000 L.F. OF NON-FRAMEABLE ASBESTOS CAULK PER SPECIFICATION SECTION 028213. SEE REMOVAL DRAWINGS FOR LOCATIONS.

FIRST FLOOR DEMOLITION PLAN
 1 SCALE: 1/8" = 1'-0"

CONSULTANT

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CONTRACT: **CONSTRUCTION**
 TITLE: PROVIDE LONG TERM CARE ADDITION AT G-WING RENOVATE C & E-WINGS WALSH MEDICAL RMU
 LOCATION: MOHAWK CORRECTIONAL FACILITY 6100 SCHOOL ROAD ROME, NEW YORK
 CLIENT: NYS DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

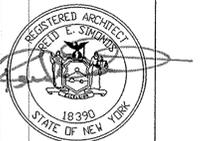
ADDENDUM-3

REVISION	DATE	DESCRIPTION
10-05-11	ADDENDUM-3	
09-21-11	ADDENDUM-1	
04-19-11	BID DOCUMENTS	
06-10-09	REVISED SUBMISSION	
03-18-09	SUBMISSION	

PROJECT NUMBER: **43262- C**
 DESIGNED BY: REDD SIMONDS
 DRAWN BY: N LENDRUM
 FIELD CHECK:
 APPROVED:
 SHEET TITLE: **C-WING REMOVALS PLAN**
 DRAWING NUMBER: **A-123**

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CONSTRUCTION

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LOCATION: MOHAWK CORRECTIONAL FACILITY
6100 SCHOOL ROAD
ROME, NEW YORK

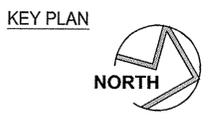
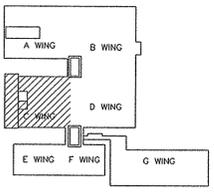
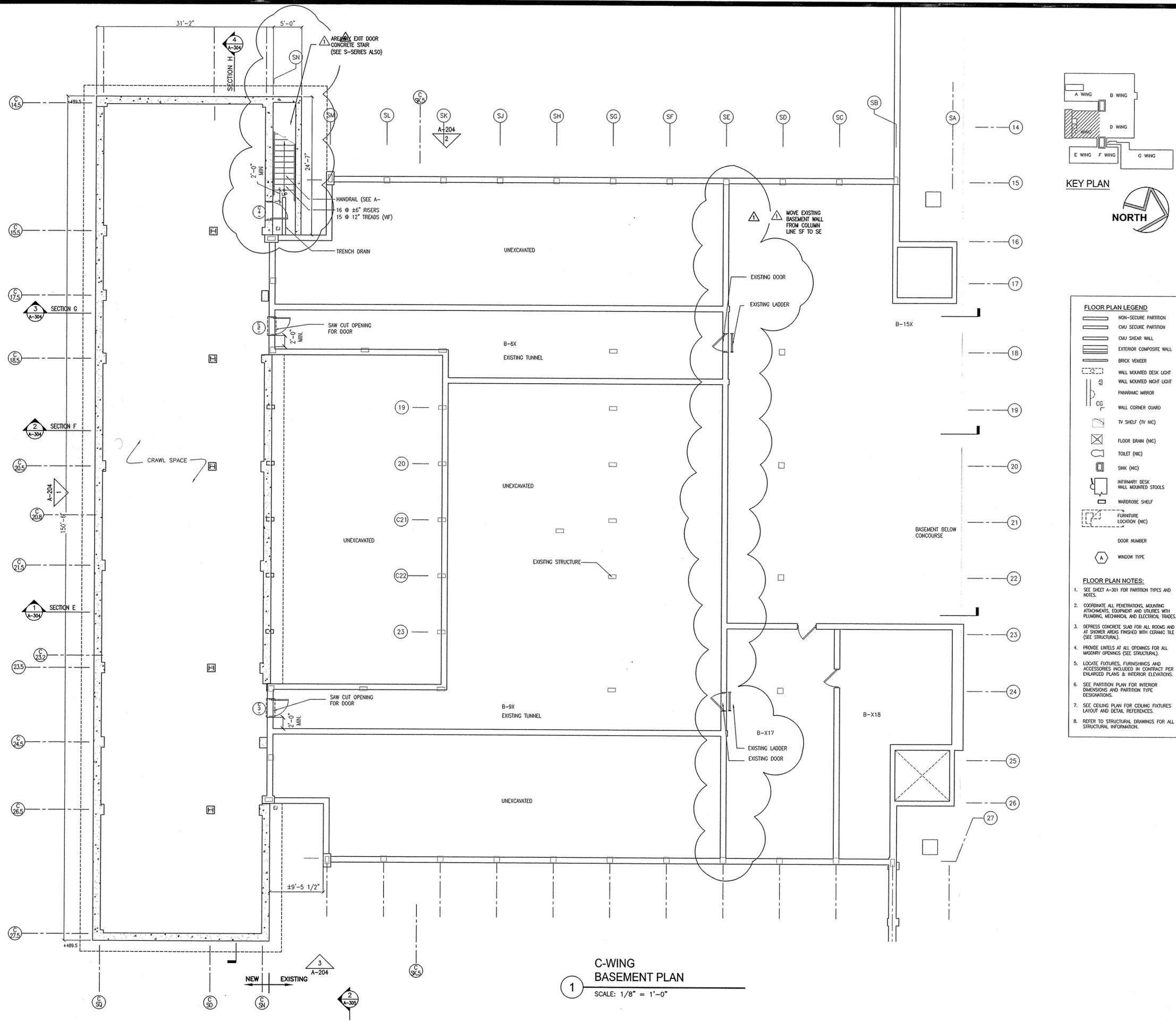
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ADDENDUM-3

MARK	DATE	DESCRIPTION
△	10-05-11	ADDENDUM-3
	09-21-11	ADDENDUM-1
BD	04-19-11	BID DOCUMENTS
100%	06-10-09	REVISED SUBMISSION
100%	03-18-09	SUBMISSION

PROJECT NUMBER:	43262- C
DESIGNED BY:	REID SIMONDS
DRAWN BY:	N. LENDRUM
FIELD CHECK:	
APPROVED:	

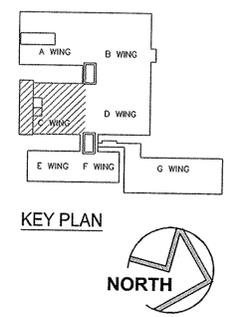
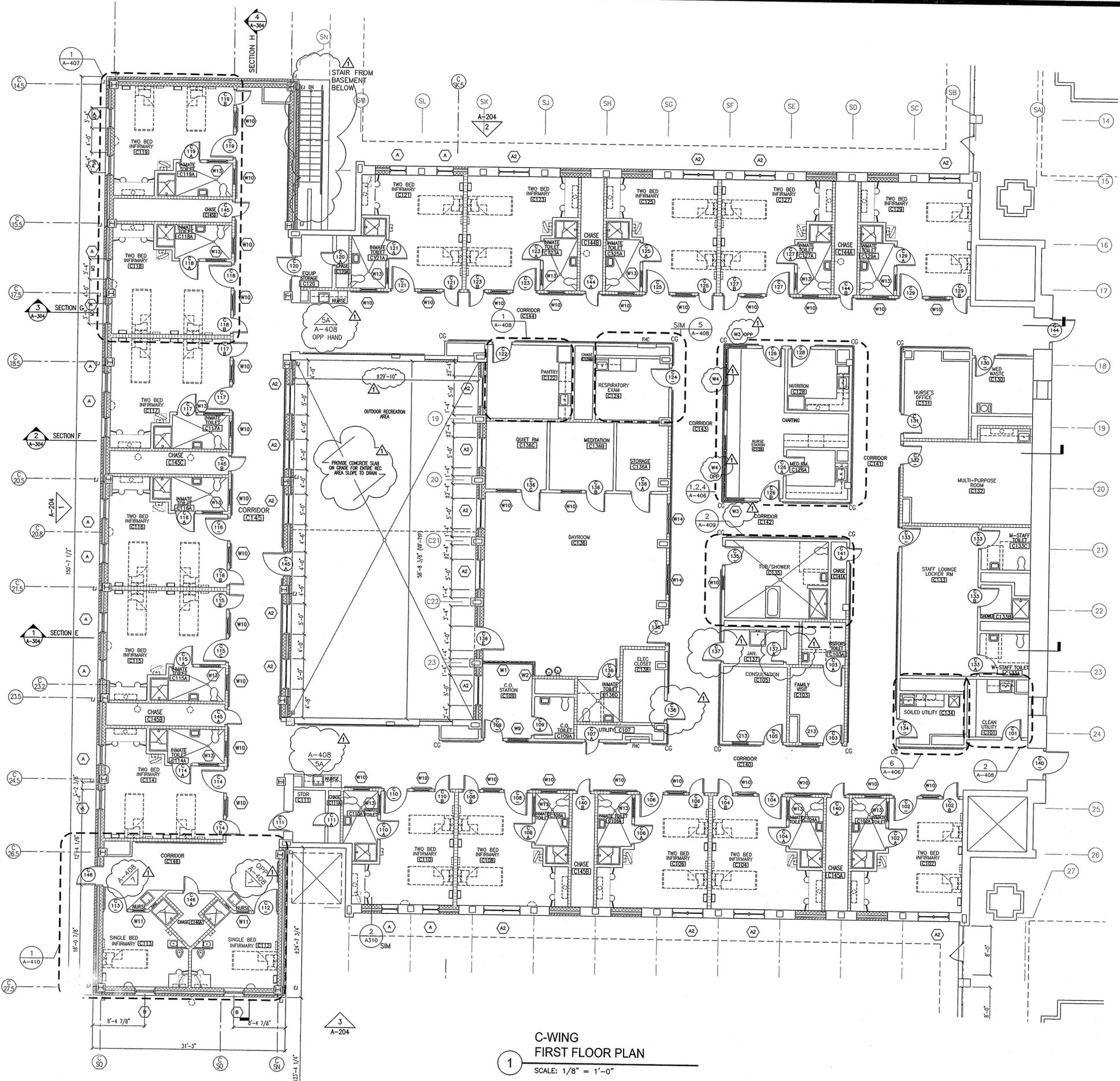
SHEET TITLE:
C-WING BASEMENT FLOOR PLAN
DRAWING NUMBER:
A-124



- FLOOR PLAN LEGEND**
- NON-SECURE PARTITION
 - CMU SECURE PARTITION
 - CMU SHEAR WALL
 - EXTERIOR COMPOSITE WALL
 - BRICK VENEER
 - WALL MOUNTED DESK LIGHT
 - WALL MOUNTED NIGHT LIGHT
 - PANORAMIC MIRROR
 - WALL CORNER GUARD
 - TV SHELF (TV NIC)
 - FLOOR DRAW (NIC)
 - TOILET (NIC)
 - SINK (NIC)
 - INFIRMARY DESK
 - WALL MOUNTED STOOLS
 - WARDROBE SHELF
 - FURNITURE LOCATION (NIC)
 - DOOR NUMBER
 - WINDOW TYPE

- FLOOR PLAN NOTES:**
- SEE SHEET A-301 FOR PARTITION TYPES AND NOTES.
 - COORDINATE ALL PENETRATIONS, MOUNTING ATTACHMENTS, EQUIPMENT AND UTILITIES WITH PLUMBING, MECHANICAL, AND ELECTRICAL TRADES.
 - DEPRESS CONCRETE SLAB FOR ALL ROOMS AND AT SHOWER AREAS FINISHED WITH CERAMIC TILE (SEE STRUCTURAL).
 - PROMOTE LIMITS AT ALL OPENINGS FOR ALL MASONRY OPENINGS (SEE STRUCTURAL).
 - LOCATE FIXTURES, FURNISHINGS AND ACCESSORIES INCLUDED IN CONTRACT PER ENLARGED PLANS & INTERIOR ELEVATIONS.
 - SEE PARTITION PLAN FOR INTERIOR DIMENSIONS AND PARTITION TYPE DESIGNATIONS.
 - SEE CEILING PLAN FOR CEILING FIXTURES LAYOUT AND DETAIL REFERENCES.
 - REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION.

C-WING BASEMENT PLAN
SCALE: 1/8" = 1'-0"



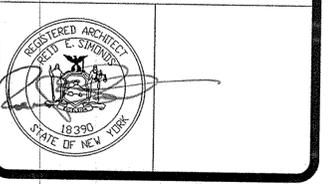
- FLOOR PLAN LEGEND**
- NON-SECURE PARTITION
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 - WALL MOUNTED STOOLS
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 - FURNITURE LOCATION (NIC)
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 - WINDOW TYPE
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 3. DEPRESS CONCRETE SLAB FOR ALL ROOMS AND AT SHOWER AREAS FINISHED WITH CERAMIC TILE (SEE STRUCTURAL).
 4. PROVIDE LEVELS AT ALL OPENINGS FOR ALL WINDOW OPENINGS (SEE STRUCTURAL).
 5. LOCATE FIXTURES, FURNISHINGS AND ACCESSORIES INCLUDED IN CONTRACT PER ENLARGED PLANS & INTERIOR ELEVATIONS.
 6. SEE PARTITION PLAN FOR INTERIOR DIMENSIONS AND PARTITION TYPE DESCRIPTIONS.
 7. SEE CEILING PLAN FOR CEILING FIXTURES LAYOUT AND DETAIL REFERENCES.
 8. REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION.

1 C-WING FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

OGS
NYS OFFICE OF GENERAL SERVICES
Serving New York
ANDREW M. CUOMO
Governor
ROANN M. DESTITO
Commissioner
JAMES M. DAVIES, A.I.A.
Deputy Commissioner, Design and Construction

CONSULTANT

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CONTRACT: **CONSTRUCTION**

TITLE: **PROVIDE LONG TERM CARE ADDITION AT G-WING RENOVATE C & E-WINGS WALSH MEDICAL RMU**

LOCATION: **MOHAWK CORRECTIONAL FACILITY
6100 SCHOOL ROAD
ROME, NEW YORK**

CLIENT: **NYS DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION**

ADDENDUM-3

REVISION	DATE	DESCRIPTION
10-05-11	ADDENDUM-3	
09-21-11	ADDENDUM-1	
04-19-11	BID DOCUMENTS	
06-10-09	REVISED SUBMISSION	
03-18-09	SUBMISSION	

MARK	DATE	DESCRIPTION

PROJECT NUMBER: **43262- C**

DESIGNED BY: REID SIMONDS

DRAWN BY: N. LENDRUM

FIELD CHECK:

APPROVED:

SHEET TITLE: **C-WING FIRST FLOOR PLAN**

DRAWING NUMBER: **A-125**

Oct 02 2011 - 11:52am
V:\Design\Const\PA20x\43262\CadArch\A125-C-FP1.dwg
35x24 PLOT SHEET



NYS OFFICE OF GENERAL SERVICES

Serving New York

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Governor
ROANN M. DESTITO
Commissioner
JAMES M. DAVIES, A.I.A.
Deputy Commissioner, Design and Construction

CONSULTANT

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CONSTRUCTION

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LOCATION: MOHAWK CORRECTIONAL FACILITY
6100 SCHOOL ROAD
ROME, NEW YORK

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2	09-21-11	ADDENDUM-1
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5	03-18-09	SUBMISSION
6		DATE
7		DESCRIPTION

PROJECT NUMBER: 43262-C

DESIGNED BY: REID SIMONDS

DRAWN BY: N. LENDRUM

FIELD CHECK:

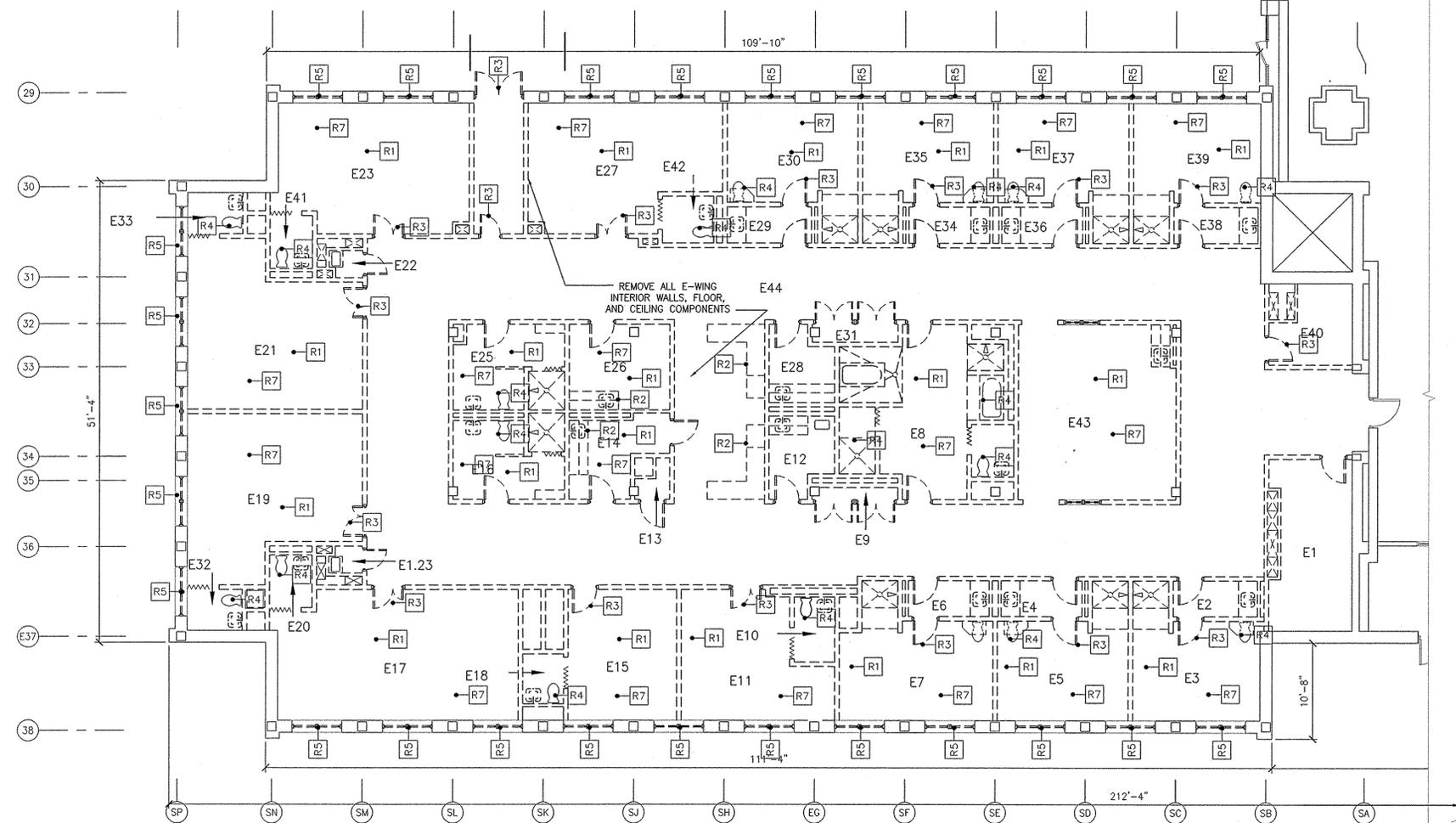
APPROVED:

SHEET TITLE:

E-WING
REMOVALS PLAN

DRAWING NUMBER:

A-129

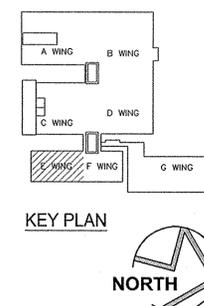


**FIRST FLOOR
REMOVALS PLAN**

SCALE: 1/8" = 1'-0"

- REMOVAL PLAN LEGEND**
- REMOVE WALL OR ELEMENT
 - - - - EXISTING TO REMAIN
 - + + + REMOVE FLOOR SLAB
- REMOVAL KEY NOTES**
- R1 REMOVE CEILING FIXTURES AND RECYCLE/DISPOSE PER SPECS
 - R2 REMOVE EXISTING CASEWORK
 - R3 REMOVE EXISTING DOOR, FRAME & HARDWARE
 - R4 REMOVE EXISTING PLUMBING FIXTURE AND PIPING
 - R5 REMOVE EXISTING WINDOW
 - R6 REMOVE EXISTING CERAMIC TILE FLOORING AND BASE
 - R7 REMOVE EXISTING FINISH FLOORING
- REMOVAL PLAN NOTES**
- COORDINATE ALL MATERIALS, EQUIPMENT AND UTILITY REMOVALS FOR RECYCLING OR DISPOSAL PER SD DOCUMENTS.
 - COORDINATE TERMINATION OF UTILITIES WITH FACILITY AND OTHER TRADES.
 - PROVIDE PERMANENT THRU-WALL PENETRATION FIRE STOP SYSTEMS W/REQUIRED FIRE RATINGS AT WALLS AND PARTITIONS THAT ARE INDICATED AS FIRE RATED ASSEMBLIES AT LOCATIONS WHERE ELEMENTS ARE REMOVED.
 - PROVIDE TEMPORARY FIRE STOP SYSTEM AT PENETRATIONS LEFT BY THE REMOVAL OF UTILITY EQUIPMENT, ETC. WHERE IT WILL BE REPLACED UNDER CONTRACT.
 - PATCH, REPAIR OR REPLACE ALL SUB-STRUCTURE AND FINISHED SURFACES AFFECTED BY REMOVAL WORK. PREPARE FOR NEW WORK PER CONTRACT DOCUMENTS.
 - REVIEW TEMPORARY PARTITIONS FOR SECURITY AND CONSTRUCTION PROCEDURES WITH THE FACILITY PRIOR TO COMMENCING CONSTRUCTION.
 - MAINTAIN EGRESS PASSAGeways AT ALL TIMES.
 - CONSTRUCTION MANAGER MUST COORDINATE WITH THE FACILITY IN ADVANCE TO SCHEDULE ANY SYSTEM SHUT DOWNS, IF REQUIRED.
 - ROOF DRAINS AND CONDUCTOR PIPING SHALL REMAIN IN SERVICE DURING DEMOLITION. COORDINATE REMOVALS WITH PLUMBING CONTRACTOR.

- HAZARDOUS MATERIAL NOTES:**
- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL MSDS, INDUSTRIAL CODE RULE 55 AND ALL OTHER APPLICABLE REGULATIONS.
 - EXISTING PAINTED SECURITY SCREENS AND COMPONENTS ARE ASSUMED TO CONTAIN LEAD BASED PAINT. WHERE FLAME CUTTING OR GRINDING IS REQUIRED FOR REMOVAL WORK, LEAD PAINT ABATEMENT IS REQUIRED PER SPECIFICATION SECTION 02830. FOR OTHER MECHANICAL MEANS AND METHODS OF REMOVAL WORK, LEAD HANDLING IS REQUIRED PER SPECIFICATION SECTION 02830.4. SCRAPE OFF ALL LOOSE AND PEELING LEAD PAINT PRIOR TO RECYCLING AND DISPOSAL OF AS HAZARDOUS MATERIAL. RECYCLE ALL REMOVED STEEL.
 - EXISTING PERIMETER WINDOW CALK IS ASSUMED TO CONTAIN ASBESTOS. REMOVE APPROXIMATELY 2,000 L.F. OF NON-FRIBBLE ASBESTOS CALK PER SPECIFICATION SECTION 02013. SEE REMOVAL DRAWINGS FOR LOCATIONS.



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CONSTRUCTION

TITLE: PROVIDE LONG TERM CARE ADDITION AT G-WING RENOVATE C & E-WINGS WALSH MEDICAL RMU

LOCATION: MOHAWK CORRECTIONAL FACILITY
6100 SCHOOL ROAD
ROME, NEW YORK

CLIENT: NYS DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

ADDENDUM-3

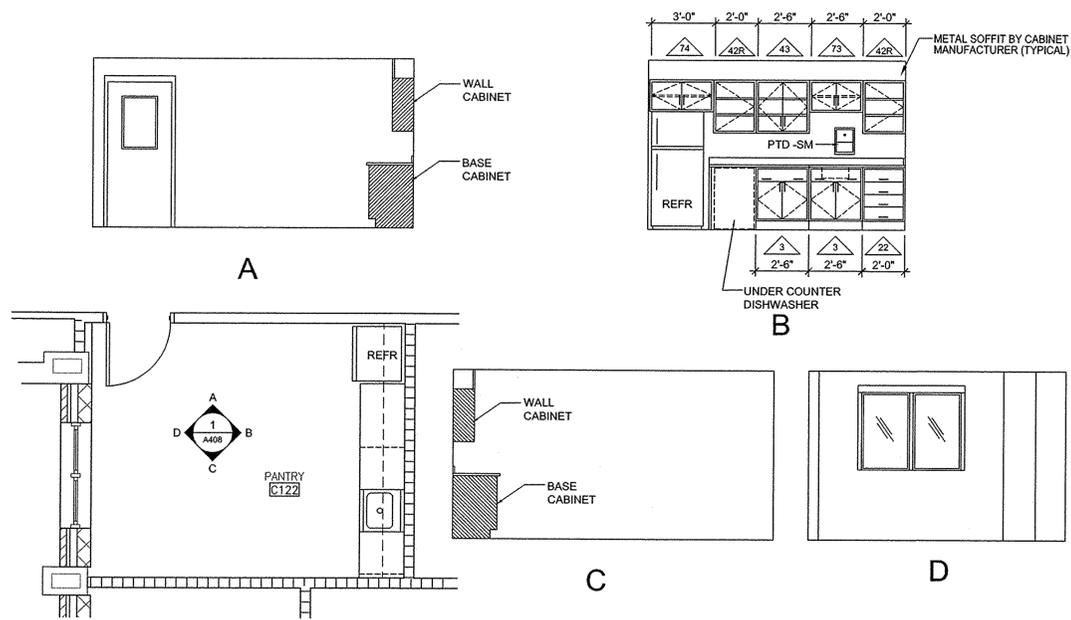
MARK	DATE	DESCRIPTION
	10-05-11	ADDENDUM-3
	09-21-11	ADDENDUM-1
BD	04-19-11	BID DOCUMENTS
100%	06-10-09	REVISED SUBMISSION
100%	03-18-09	SUBMISSION

PROJECT NUMBER:	43262- C
DESIGNED BY:	REID SIMONDS
DRAWN BY:	PETER J. BRADLEY
FIELD CHECK:	
APPROVED:	
SHEET TITLE:	

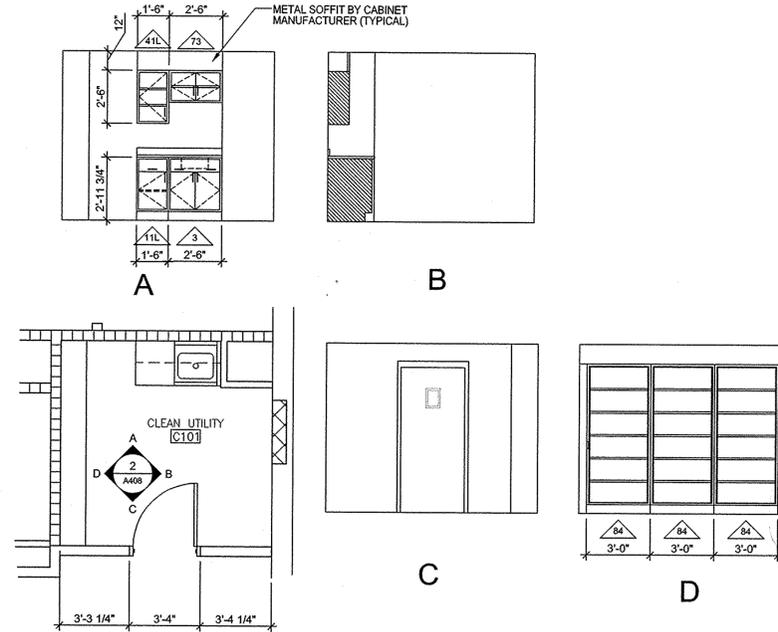
RESPIRATORY EXAM & MISC. UTILITY ROOM INTERIORS

DRAWING NUMBER:

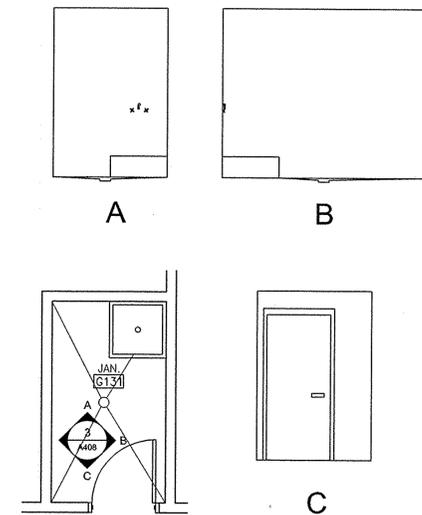
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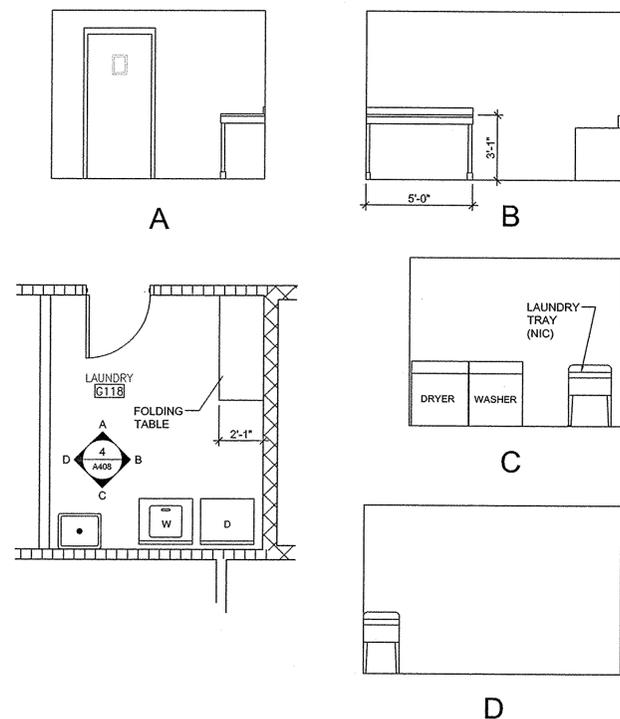
1 PANTRY FLOOR PLAN (C122)
SCALE: 1/4" = 1'- 0"



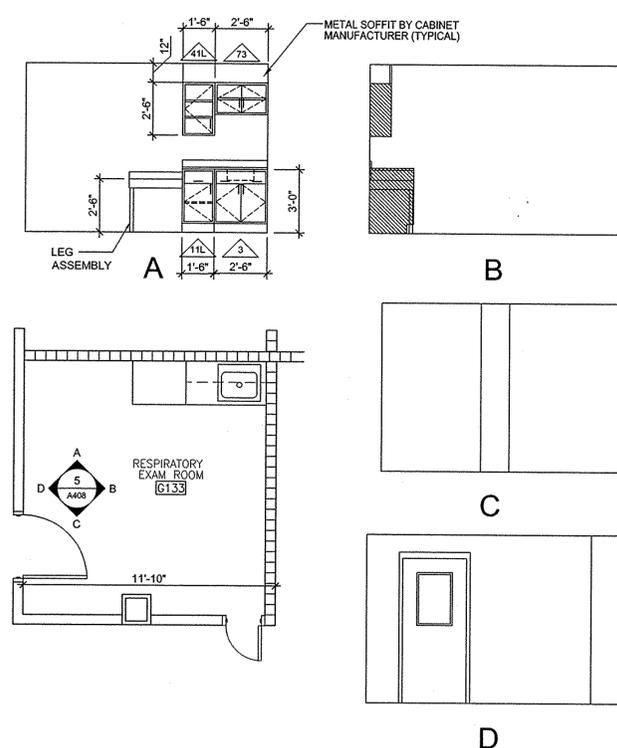
2 CLEAN UTILITY (C101)
SCALE: 1/4" = 1'- 0"



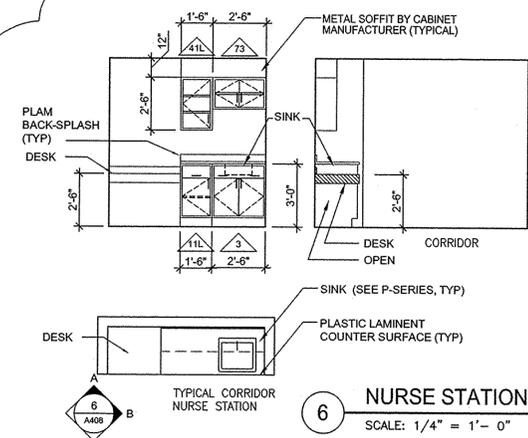
3 JAN. ROOM - TYPICAL
SCALE: 1/4" = 1'- 0"



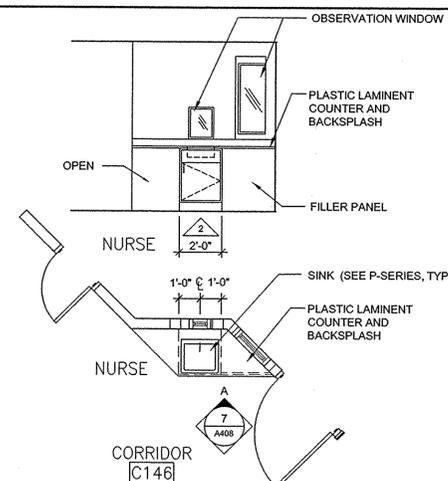
4 LAUNDRY FLOOR PLAN (G118) & G218
SCALE: 1/4" = 1'- 0"



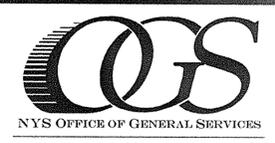
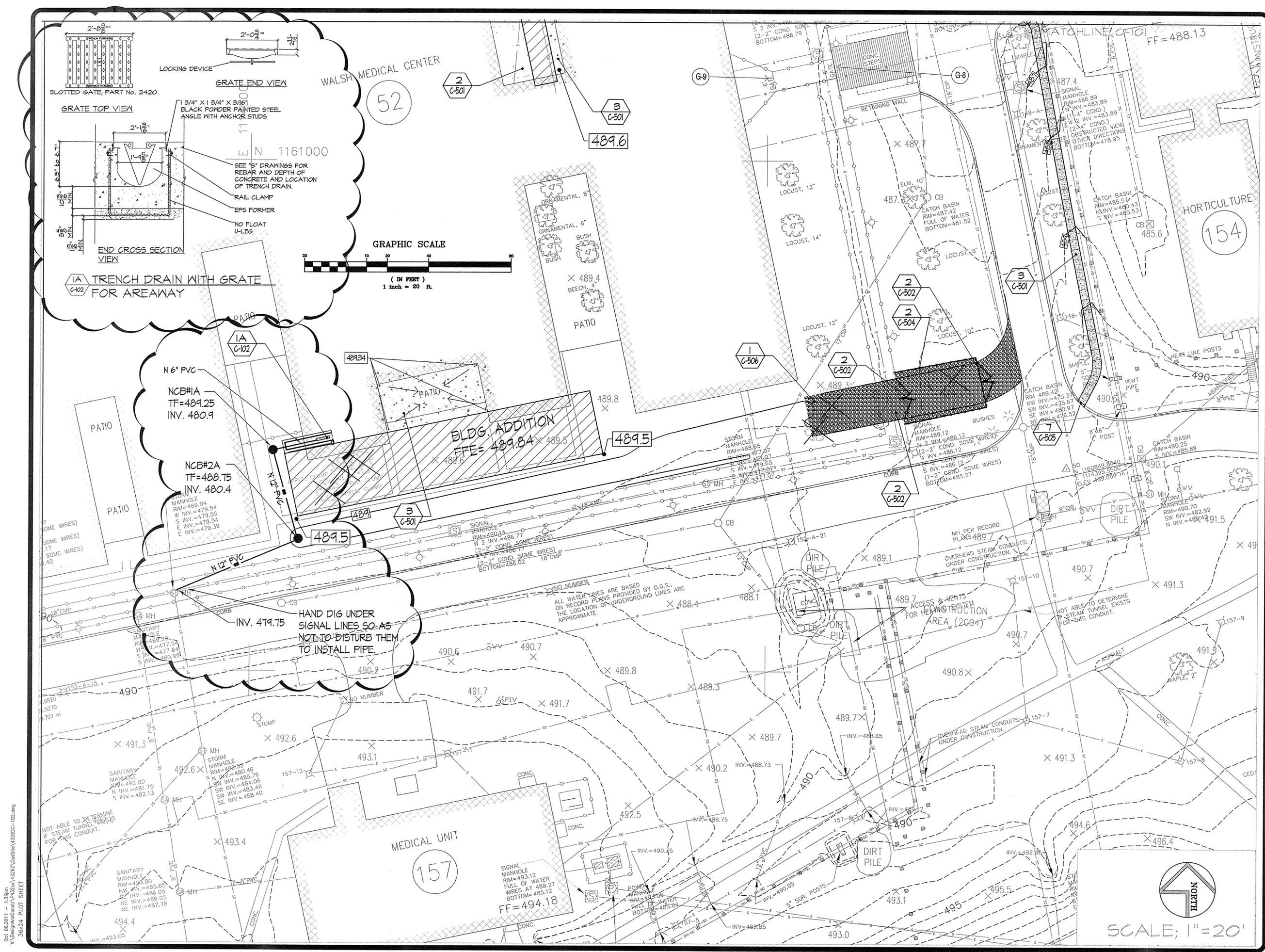
5 RESPIRATORY EXAM ROOM (G133) & G233
SCALE: 1/4" = 1'- 0"



6 NURSE STATION
SCALE: 1/4" = 1'- 0"



7 NURSE STATION
SCALE: 1/4" = 1'- 0"



ANDREW M. CUOMO
Governor
ROANN M. DESTITO
Commissioner
JAMES M. DAVIES, A.I.A.
Deputy Commissioner, Design and Construction

CONSULTANT

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CONSTRUCTION
TITLE: PROVIDE LONG TERM CARE ADDITION AT G-WING RENOVATE C & E-WINGS WALSH MEDICAL RMU
LOCATION: MOHAWK CORRECTIONAL FACILITY 6100 SCHOOL ROAD ROME, NEW YORK
CLIENT: NYS DEPARTMENT OF CORRECTIONS AND COMMUNITY SUPERVISION

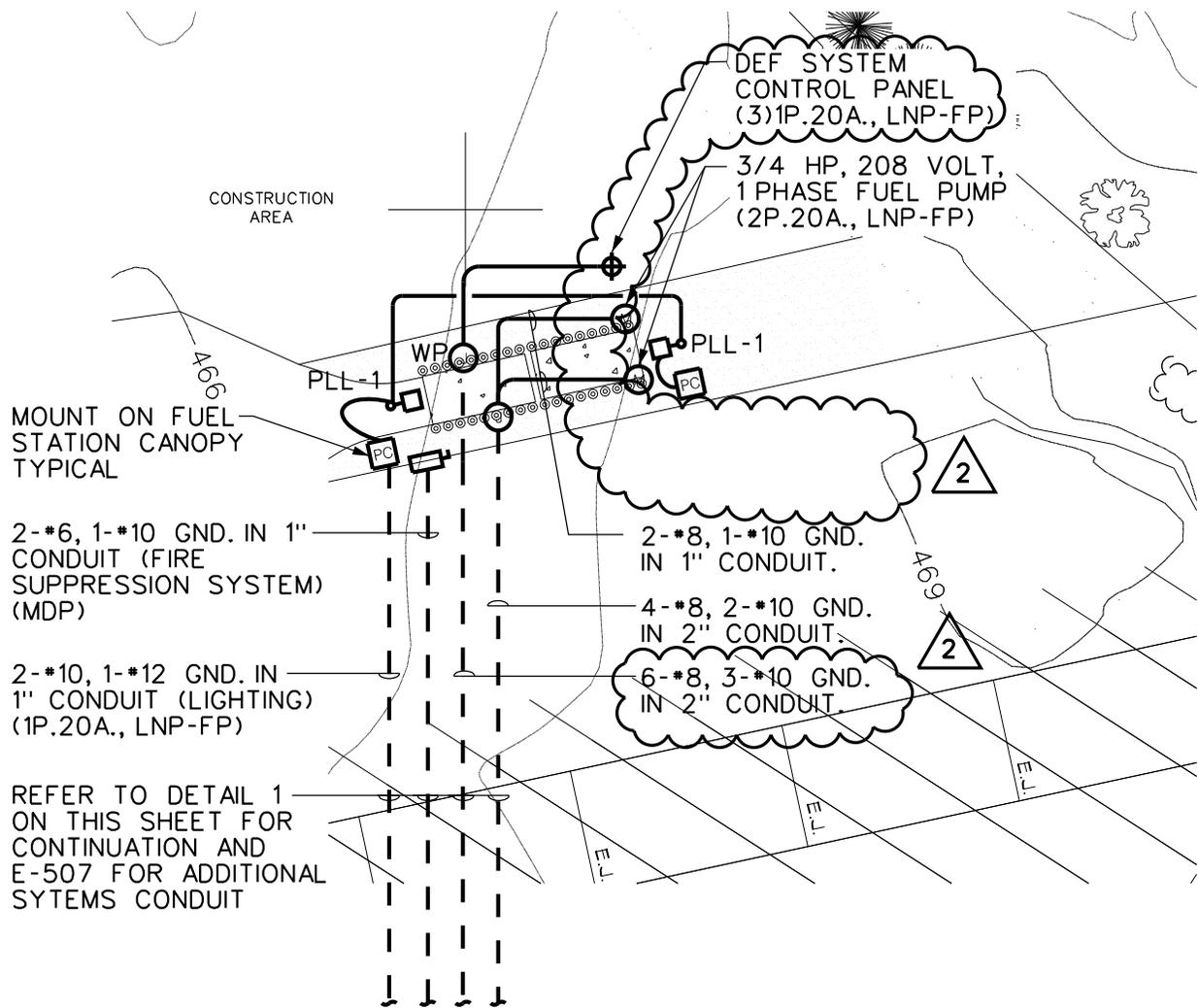
ADDENDUM-3

DATE	DESCRIPTION	
10-05-11	ADDENDUM-3	
09-21-11	ADDENDUM-1	
04-19-11	BID DOCUMENTS	
08-10-09	REVISED SUBMISSION	
03-18-09	SUBMISSION	
MARK	DATE	DESCRIPTION

PROJECT NUMBER: 43262-C
DESIGNED BY: J. POKINES
DRAWN BY: JAP
FIELD CHECK: XXXXX
APPROVED: XXXXX
SHEET TITLE:

SITE PLAN AND LEGEND
DRAWING NUMBER: C-102
X X

Oct 06 2011 - 1:36pm
 V:\Design\Projects\43262\43262-C\SitePlan\43262-C-102.dwg
 36x24 PLOT SHEET



2 SITE PLAN - ELECTRICAL
SCALE: 1" = 30'-0"

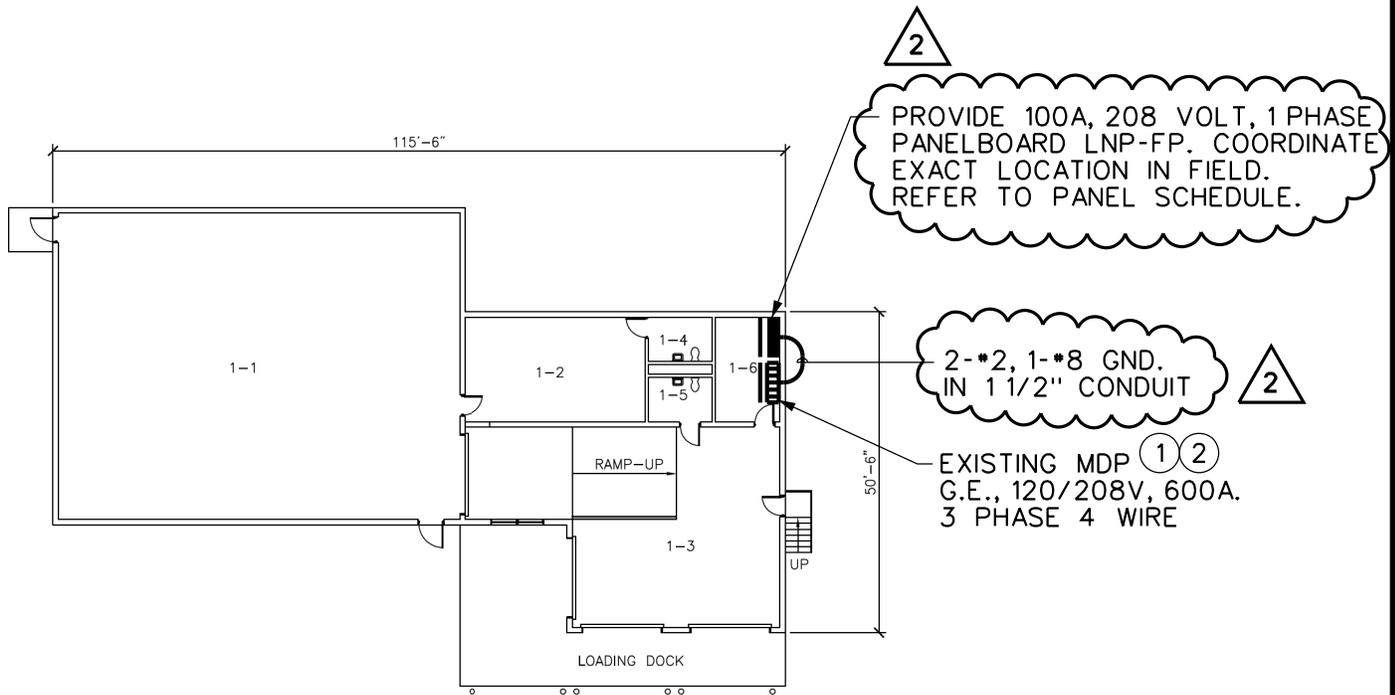
GENERAL NOTES:

- A. COORDINATE LOCATION OF ALL CONDUIT STUB UPS AND GROUNDING WIRE WITH FINAL LOCATION OF EQUIPMENT. PROVIDE PVC SLEEVES AND SIZE AS REQUIRED.

OGS
NYS OFFICE OF GENERAL SERVICES
Serving New York

CONTRACT: ELECTRICAL
PROJ. NO: 43262
DATE: 10/07/2011
DRAWN: SEM
APPROVED: AVT

ADDENDUM #3	REFERENCE DRAWING: E-120
SHEET TITLE: SITE PLAN - ELECTRICAL	
PROJECT: PROVIDE LONG TERM CARE ADDITION AT G-WING - RENOVATE D AND E WINGS WALSH RMU - MOHAWK CF	
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3

BUILDING 35, RECYCLING - ELECTRICAL

SCALE: 1"=30'-0"



DETAIL NOTES:

- ① PROVIDE (1) 2P.100A. CIRCUIT BREAKER IN EXISTING PANEL 'MDP' FOR LNP-FP PANEL.
- ② PROVIDE (1) 1P.15A. CIRCUIT BREAKERS IN EXISTING PANEL 'MDP' FOR FIRE SUPPRESSION SYSTEM. REFER TO DETAIL 1/E507.



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CONTRACT: ELECTRICAL

PROJ. NO: 43262

DATE: 10/07/2011

DRAWN: SEM

APPROVED: AVT

ADDENDUM #3

REFERENCE DRAWING: E-120

SHEET TITLE:

SITE PLAN - ELECTRICAL

PROJECT:

PROVIDE LONG TERM CARE ADDITION
AT G-WING - RENOVATE D AND E WINGS
WALSH RMU - MOHAWK CF

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.

DWG NO:

E-707

PANELBOARD SCHEDULE RECYCLING BLDG No. 35

DESIGNATION: LNP-FP PANELBOARD SHORT CIRCUIT RATING
22,000 RMS SYMMETRICAL AMPERES

FULLY RATED EQUIPMENT RATING IS REQUIRED FOR THIS PANELBOARD
 UL LISTED INTEGRATED EQUIPMENT SHORT CIRCUIT RATING IS ACCEPTABLE FOR THIS PANELBOARD
 UL LABEL 'SUITABLE FOR USE AS SERVICE EQUIPMENT'

CABINET NEMA TYPE: _____
 1 3R 4 4X 12

MOUNTING: SURFACE

MAIN: 100

VOLTAGE: 208

PHASE: 1

NO. WIRES: 3

OTHER REQ: -

FULL CAPACITY NEUTRAL BUS
 EQUIPMENT GROUNDING BUS
 SECONDARY SURGE ARRESTORS CATEGORY C

MAIN LUG ONLY
 MAIN CIRCUIT BREAKER

FRAME 100 POLES 2 ATE 100 COMPONENTS (SEE BELOW) -

BRANCH/FEEDER CIRCUIT BREAKERS

DESCRIPTION	ATE	NO.	A	B	NO.	ATE	DESCRIPTION
FUEL PUMP	20	1	—	—	2	20	PUMP STATION LIGHTING
		3	—	—	4	20	LEAK DETECTION PANEL
FUEL PUMP	20	5	—	—	6	20	TANK HEATERS
		7	—	—	8	20	CARD KEY READER
SPARE	20	9	—	—	10	20	DEF SYSTEM
		11	—	—	12	20	DEF SYSTEM
SPARE		13	—	—	14	20	DEF SYSTEM
SPARE		15	—	—	16	20	SPARE
SPARE		17	—	—	18	20	SPACE
SPARE		19	—	—	20	20	SPACE
SPARE		21	—	—	22	20	SPACE
SPARE		23	—	—	24	20	SPACE



NYS OFFICE OF GENERAL SERVICES

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CONTRACT: ELECTRICAL
 PROJ. NO: 43262
 DATE: 10/07/2011
 DRAWN: SEM
 APPROVED: AVT

ADDENDUM #3

REFERENCE DRAWING: E-610

SHEET TITLE:

PANEL SCHEDULE

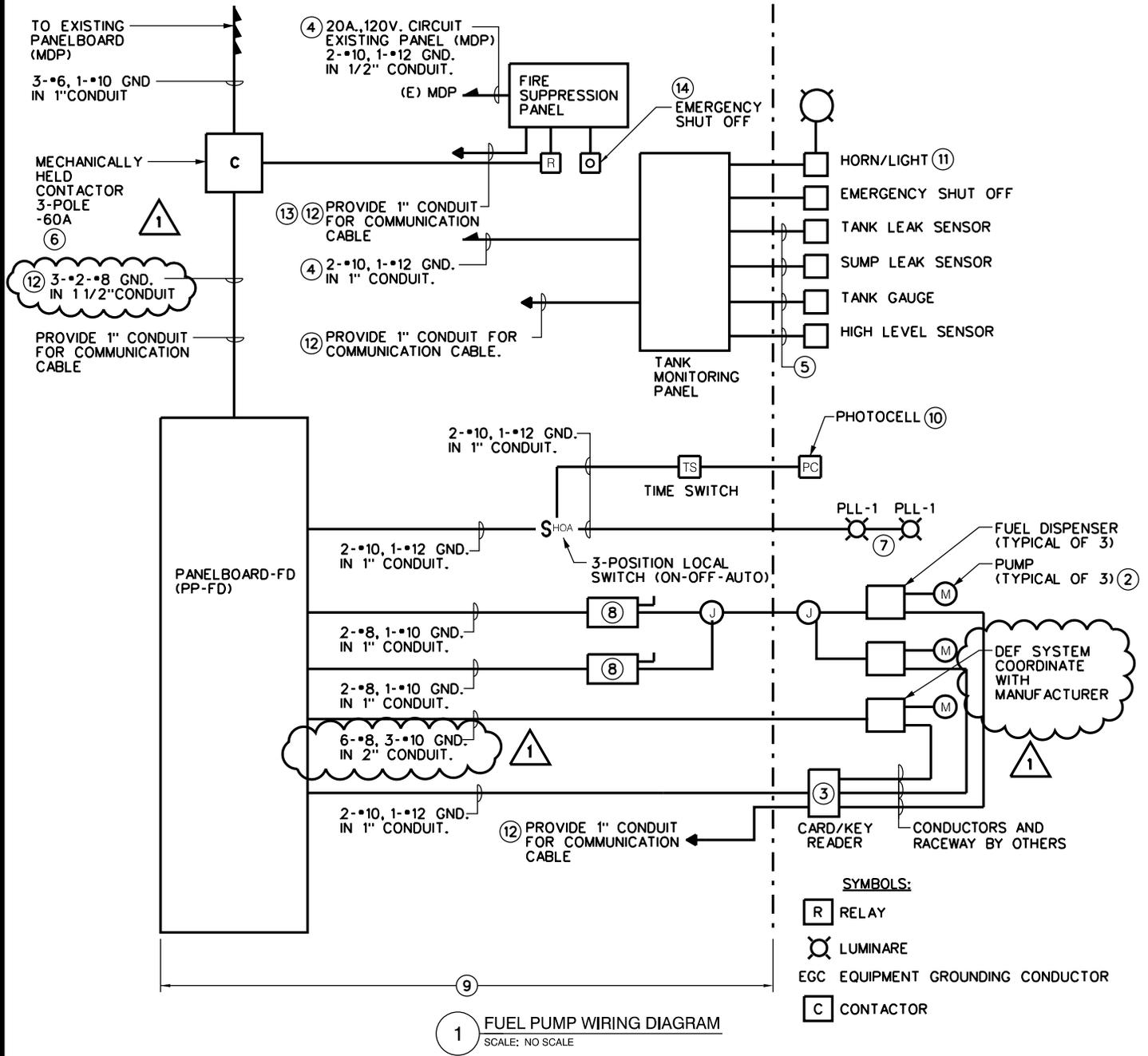
PROJECT:

PROVIDE LONG TERM CARE ADDITION
 AT G-WING - RENOVATE D AND E WINGS
 WALSH RMU - MOHAWK CF

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DWG NO:

E-708



CONTRACT:	ELECTRICAL
PROJ. NO:	43262
DATE:	10/07/2011
DRAWN:	SEM
APPROVED:	AVT

ADDENDUM #3	REFERENCE DRAWING: E-507
SHEET TITLE: DETAILS	
PROJECT: PROVIDE LONG TERM CARE ADDITION AT G-WING - RENOVATE D AND E WINGS WALSH RMU - MOHAWK CF	
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.	DWG NO: E-709