



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

ADDENDUM NO. 1 TO PROJECT NO. 45384

CONSTRUCTION WORK, HVAC WORK, PLUMBING WORK, ELECTRIC WORK

VARIOUS SECURITY IMPROVEMENTS
BUILDING NO. 62
HUDSON CORRECTIONAL FACILITY
EAST COURT STREET,
HUDSON, N.Y.

January 6, 2016

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.

SPECIFICATIONS (All Contracts)

SUMMARY of PAYMENT PROCESS:

1. Original Daily Labor Reports (BDC 268) and Daily Material and Equipment Reports (BDC 269) will be submitted to the Director's Representative on a daily basis for review and certification.
2. Summarized costs and supporting documentation will be outlined within the 'Cost Plus Percentage Fee (Non-Emergency) Contractor Expense and Fee Summary' excel workbook, and submitted to the Director's Representative on a weekly basis for review and certification. At the same time, the contractor will email a scanned copy to the Contract Payment Audit Group at DcCpagElm@ogs.ny.gov.
3. After the Director's Representative certifies the 'Contractor Expense and Fee Summary' (BDC 274CP), the contractor will enter the payment request values within the Electronic Contractor Requisition (ECR) vendor interface system. This will electronically submit the request values through the ECR and track the progression of payment application requests, costs, and other contractual information. The Director's Representative will mail the original 'Cost Plus Percentage Fee (Non-Emergency) Contractor Expense and Fee Summary' forms and supporting documentation to the Contract Payment Audit Group for review.
4. Once the payment request values are entered into the ECR vendor interface system and submitted to the Director's Representative, **the typical turnaround time for the contractor to receive payment is within 6-10 business days.** All

vendors are strongly encouraged to setup an e-payment account with the Office of the State Comptroller in order to receive payment via direct deposit (<http://www.osc.state.ny.us/vendors/ePayments.htm>).

5. The Contract Payment Audit Group reserves the right to post audit documentation and make adjustments on subsequent payment application requests if discrepancies are identified.
1. SECTION 003113 – PRELIMINARY PROJECT SCHEDULE – Add the attached page 003113-2 “SUMMARY SCHEDULE” to the Project Manual.
2. SECTION 007304 - SUPPLEMENTARY CONDITIONS - COST PLUS PERCENTAGE FEE CONTRACT – Revise the following sections:

Revise 2.24.2 - All required Liability and Builder's Risk Insurance Premiums for Insurance Policies whether such Policies are required by this Contract or a subcontract between the Contractor and a subcontractor actually performing any Work, unless the subcontract cost has been determined in accordance with Paragraph 6.7 herein.

Revise 2.25.4 – If the Contractor employs subcontractors in the performance of the Work, the actual cost to the Contractor of the subcontractors’ costs, which shall be determined in accordance with Paragraph 6.6 or 6.7 herein. The Contractor agrees that the Contractor’s percentage fee markup on subcontractor costs will be equal to 5 percent of the first \$10,000 of the subcontractor’s costs, including the subcontractor’s percentage fee markup. The Contractor’s percentage fee markup will be equal to 3 percent of any sum in excess of \$10,000 of the total of said items.

Add 2.25.5 - All Bonds required by this Contract or a subcontract between the Contractor and a subcontractor actually performing any Work, unless the subcontract cost has been determined in accordance with Paragraph 6.7 herein.

Replace 21.1.3 – This contract will be Electronic Contractor Requisition (ECR) eligible.
3. DOCUMENT 007305 SUPPLEMENTARY CONDITIONS – LIQUIDATED DAMAGES – Revise the following section:

Revise 13.3.1- Contract Award Submittals: The Contractor agrees that upon failure to submit Contract Award Submittals as specified in Section 011000, the Contractor shall pay to the State an Administrative surcharge in the amount of \$75.00 per day for each day of delay per Submittal, until all Contract Award Submittals are received. Notwithstanding the provisions of Article 21 herein, Contractor agrees that the Group Director may withhold the sum of the Administrative surcharge from payments to be made to Contractor as compensation for the State’s administrative fees in pursuing such submittals.
4. SECTION 013119 – PROJECT MEETINGS: Delete section in its entirety and replace with the attached revised Section 013119.
5. SECTION 011000 – SUMMARY OF WORK Page 011000-1 Article 1.04B: Revise the article to read as follows:

- B. Submittal No. 2: Submit executed CMU-01 form noted in Section 013200 Construction Progress Documentation within 5 days after approval of the Contract by the Comptroller for review by the Directors Representative and OGS Scheduling.
- 6. SECTION 011000 – SUMMARY OF WORK Page 011000-1 Article 1.04: Add the following 2 paragraphs.
 - J. Submittal No. 9 (HVAC Work Contract) Submit Product Data as required in SUBMITTALS Article 1.02 of Specification section 233113 for Metal Ductwork no later than 30 days after approval of the Contract by the Comptroller.
 - K. Submittal No. 10 (Electrical Work Contract) Submit Product Data as required in SUBMITTALS Article 2.02 of Specification Section 265110 for Super-Maximum Security Fluorescent Fixtures no later than 15 days after approval of the Contract by the Comptroller.
- 7. SECTION 015000- CONSTRUCTION FACILITIES & TEMPORARY CONTROLS: Article 1.02B: Delete this article from the project manual.

CONSTRUCTION SPECIFICATIONS

- 8. TITLE PAGE 000101: Change Date to read: DECEMBER 26, 2015
- 9. CERTIFICATION PAGE 000105: Change Date to read: DECEMBER 26, 2015
- 10. TABLE OF CONTENTS: Page 000110, Omit Sections “028213 Asbestos Abatement” and “028303 Abatement of Lead Containing Materials” from Division 2 of the Table of Contents.
- 11. SECTION 028213- ASBESTOS ABATEMENT: Omit entire section from Project Manual.
- 12. SECTION 028303- ABATEMENT OF LEAD CONTAINING MATERIALS: Omit entire section from Project Manual.

ELECTRICAL SPECIFICATIONS

- 13. Page 260501 - 10, Article 3.01, add the following Paragraph:
 - “J. Conduit Routing Plan: Submit a conduit routing plan, as indicated on the drawings, to the Director’s Representative for review and approval.”
- 14. SECTION 274172- INMATE RADIO SYSTEM: Add the attached Section (274172-1 through 274172-10) to the Project Manual

CONSTRUCTION DRAWINGS

- 15. Drawing No. A-101: Detail 4, omit note “Wrap Opening With Weather Resistant Barrier” completely from detail.
- 16. Drawing No. A-102: GENERAL NOTES: Note 2, Change drawing “S-101” to read “S-001”

17. Drawing No. A-102: Add Door No. 114B (Pipe Chase Door) adjacent to Door No. 114A to BUILDING 62 FIRST FLOOR PLAN.
18. Drawing No. A-102: BUILDING 62 FIRST FLOOR PLAN. at Room 115 Change note to existing door opening from; “Infill Existing Opening” to “EXISTING DOOR OPENING TO REMAIN”
19. Drawing No. A-601: Add row to DOOR SCHEDULE for Door Nos. 114A and 114B; these doors the same as other Pipe Chase Doors.

PLUMBING DRAWINGS

20. Drawing No. P-501; “Control Module Detail”: The control module detail on Drawing P-501 depicts 8 RJ-11 connectors. Specification 224200 section 2.03.2 calls for a Sloan Model MCR 8002-AX-NYS Control Module. The specified module has 16 RJ-11 connectors (8 input and 8 output). Specification section 224200 describes the correct module for bidding purposes. The “Control Module Detail” on Drawing P-501 is amended to show 16 RJ-11 connectors. The additional 8 connectors will be spares.

ELECTRICAL DRAWINGS

21. Drawing No. E-001:
 - a. GENERAL NOTES, add the following note:
 - “B. CONTRACTOR SHALL SUBMIT DRAWINGS (FLOOR PLANS) OF THE CONTRACTOR’S PROPOSED ROUTING OF ALL RACEWAY WITHIN THE BUILDINGS TO THE DIRECTOR’S REPRESENTATIVE FOR REVIEW AND APPROVAL. THE DRAWINGS SHALL INCLUDE THE FOLLOWING:
 1. SIZES AND TYPES (RFC, LFMC, ETC.) OF ALL RACEWAYS.
 2. NUMBER, TYPES AND SIZES OF CONDUCTORS IN EACH RACEWAY.
 3. SIZES AND LOCATIONS OF ALL PULLBOXES AND JUNCTION BOXES.
 4. LOCATIONS AND TYPES OF ALL THRU-PENETRATION FIRESTOPS.”
22. Addendum Drawings:
 - a. Drawing Nos. E-201, E-202 and E-203, noted “ADDENDUM No. 1, 01/06/2016” accompany this Addendum and form part of the Contract Documents.

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction

SECTION 013119**PROJECT MEETINGS****PART 1 GENERAL****1.01 INITIAL JOB MEETING**

- A. The Director's Representative will notify all parties concerned of the time and place of the initial job meeting. The meeting will be conducted by the Director's Representative. The agenda will be based on the Format for Initial Job Meeting. All items on the format, as they apply, will be discussed.
1. A copy of the Facility's current Visitor Identification Policy will be distributed.

1.02 PROJECT SCHEDULE DEFINITION MEETING

- A. The initial Project Schedule Definition meeting will be held immediately following the Initial Job Meeting. The meeting will be conducted by the Director's Representative for the purpose of providing information for the development of the Baseline Project Schedule, and the required reports and reporting formats to be submitted by the Schedule Preparer for the duration of the Project. This project is anticipated to require a minimum of four (4) hours.
- B. The Schedule Preparer will develop the Baseline Project Schedule according the requirements in Section 013200 and based on the discussions and mutual agreements reached at the Project Schedule Definition meeting.
1. A bi-weekly Project Schedule meeting will be held to update the Project Schedule. A qualified Contractor's Representative for each Contractor will be required to attend and provide updated information as outlined in Section 013200.

1.03 WEEKLY JOB MEETINGS

- A. Unless otherwise directed, job meetings will be held weekly at a time and place agreed upon by the Director's Representative, the Contractor, and the Facility Representative. Other interested parties may attend when needed, e.g., subcontractors and representatives from suppliers, public utilities, and local government. The meetings will be conducted by the Director's Representative for the following purposes:
1. Review job progress, quality of Work, and approval and delivery of materials.
 2. Identify and resolve problems which impede planned progress.
 3. Coordinate the efforts of all concerned so that the project progresses on schedule to on time completion.
 4. Maintain sound working relationships between the Contractors and the Director's Representative, and a mutual understanding of the project requirements.
 5. Maintain sound working procedures.

1.05 PRE-INSTALLATION MEETINGS

- A. Pre-installation meetings will be held to review the specifications, Project Schedule, drawings and approved submittals in preparation for start of a particular activity.
- B. The meetings shall be attended by the Director's Representative, a Design Representative and the Contractor's Representative including installer and representatives of manufacturers & fabricators involved in or affected by the installation and its coordination with other materials/trades.
- C. The Director's Representative shall schedule the meetings prior to the start of the work. The goal of these meetings is to ensure the quality of construction and to maintain the schedule.

1.06 ATTENDANCE

- A. A Contractor's Representative shall be required to attend all meetings scheduled by the Director's Representative.
- B. The Contractor's Representative shall be a competent supervisor familiar with the work and have authority to act for the Contractor.
- C. If the Contractor's Representative fails to attend 2 scheduled meetings without prior approval, the contractor will be directed to replace the current Contractor Representative. Further incidents of non-attendance by the Contractor's Representative, will form the basis for review of the Contractor's responsible bidder status.

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION (Not Used)

END OF SECTION

JRC;jc

SECTION 274172

INMATE RADIO SYSTEM

PART 1 GENERAL

1.01 DEFINITIONS

Note: For this section, the definition below supersedes the definition in section 014216 for Company Field Advisor.

- A. Company Field Advisor (An individual meeting the requirements of 1 or 2 below):
1. An employee of the company producing the system (or company which lists and markets the primary components of the system under their name) who is certified in writing by the company to be technically qualified in design, installation, and servicing of the required products. Personnel involved solely in sales do not qualify.
 2. An individual employed by an organization (other than the company producing the system), certified in writing by the company producing the system, that the INDIVIDUAL is technically qualified in design, installation and servicing of the required products and is capable to act as company field advisor in their behalf. Personnel involved solely in sales do not qualify.

1.02 SYSTEM DESCRIPTION

- A. The inmate radio system transmits 3 simultaneous channels of audio programs to jack receptacles located in Building No. 62.
1. An attendant enters the programs to be distributed over each channel by operating the console controls. The programs sources are:
 - a. FM commercial radio broadcasts.
 - b. AM commercial radio broadcasts.
 - c. Commercial TV broadcast audio.
 - d. Pre-recorded CDs'.
 - e. Local auxiliary input.
 - f. OFF (no program).
 2. The attendant may monitor the programs being distributed via a monitor panel in the console.
- B. The user selects a channel by plugging a headset into one of the 3 jacks in the radio jack station.
- C. A safety network for each radio jack station prevents intentional shorts on all channels at 25 percent of the stations within a building from noticeably affecting performance at remaining stations.
- D. The system is designed to allow the use of commercial 32 ohm stereo headsets (monaural sound only).

- E. The system shall allow for future interface with a public address system that will allow the public address system messages to supersede all programs being distributed over the inmate radio system in the building.

1.03 SUBMITTALS

- A. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.
- B. Submittal Requirements:
 - 1. It is the Contractor's responsibility to review and verify that all information required for each submittal package is included in the submittal package. Errors or omissions found by the Contractor are to be corrected prior to the Submittals Package submission for approval. Incomplete Submittal Packages submitted for review and approval will be returned.
 - a. It is the Contractor's responsibility to verify that portions of the submittal packages provided by a Sub-Contractor are complete as well as portions of the submittal packages being provided directly by the Contractor.
 - b. The Company Field Advisor shall be responsible for reviewing each complete submittal package prior to its submission for review and approval.
 - 1) This review by the Company Field Advisor shall include review of portions of the Submittal Package assembled and inserted into the Submittals Package by the Contractor (or Sub-Contractors).
 - 2) A letter from the Company Field Advisor shall be included in the Submittal Package, stating that the Company Field Advisor has reviewed the entire Submittal Package for accuracy and completeness and approves all materials and installation methods included in the Submittal Package.
 - 3) Errors or omissions found by the Company Field Advisor are to be corrected prior to the Submittals Package's submission for approval.
- C. Submittals Package: Submit the Quality Control Submittals, Product Data, Shop Drawings and Samples specified below at the same time as a package.
 - 1. Submit the Submittals Package within 30 days of Contact Award.
- D. 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 (letter), from the Company producing the main components of the system, listing the qualifications of the Company Field Advisor. The certification statements from the Company shall include the following:

- 1) Information stating that the Company Field Advisor is experienced in the engineering, design and installation of the equipment being proposed for use.
- 2) Each product for which the Company gives authorization for the Company Field Advisor to oversee installation of and each service the Company Field Advisor can perform in their behalf, listed specifically for this project.
- 3) The certification shall include statements from the person providing the certification, stating:
 - a) That they have read requirements for the Company Field Advisor as written in this section of the Project Manual and certify that the proposed individual is capable of performing the duties of the Company Field Advisor in the Company's behalf.
 - b) That the person providing certification of the Company Field Advisor is authorized by their company to provide this certification in the Company's behalf.
 - c) Telephone number and Email address of the person providing certification.
- c. Listing of similar projects that the Company Field Advisor has worked on in the past 5 years.
2. List of Completed Installations: If brand names other than those specified are proposed for use, furnish the name, address, and telephone number of at least 3 comparable installations which can prove the proposed products have operated satisfactorily for 2 years.
3. Name, address and telephone number of nearest fully equipped service organization.
4. Letter from the Company Field Advisor: Accompanying the Submittals Package there shall be a letter from the Company Field Advisor, stating that the Company Field Advisor has reviewed the Submittals Package for accuracy and completeness and approves all materials and installation methods included in the Submittals Package.
 - a. The accompanying letter shall also include statements as follows:
 - 1) State that the Company Field Advisor has reviewed the Bill Of Materials for accuracy and completeness and approves all items listed on the Bill Of Materials for use.
 - 2) State that the Company Field Advisor has reviewed the System Description for accuracy and completeness and approves the System Description for use.
 - 3) State that the Company Field Advisor has reviewed the Shop Drawings for accuracy and completeness and approves the Shop Drawings for use.
 - a) Letter shall list each drawing by designation Number and Drawing Title that the Company Field Advisor has reviewed and approved.

- b. Submit letter with original Company Field Advisor signature to the Director's Representative within three days of submission of Submittal Package.

E. Product Data:

1. Bill Of Materials: Provide a Bill Of Materials identifying each system device or component proposed to be used for this system as listed in PART 2 PRODUCTS of this section.
 - a. The Bill Of Materials shall provide the following information:
 - 1) Identify each item by name and model number.
 - 2) Indicate the page number(s) in the Submittal Package where information required for that item can be found.
 - 3) Identify the appropriate specification section, Article number, paragraph and subparagraph where that item is listed in the project manual.
 - a) Bill Of Materials shall list all products being provided for this specification as listed in Part 2 PRODUCTS including products that will be submitted as part of Division 26 of the Project Manual.
2. Detailed description of system operation (format similar to SYSTEM DESCRIPTION).
3. Catalog sheets, specifications and installation instructions.
 - a. Catalog sheets shall be marked up by the contractor to clearly identify exact what item is being submitted for approval and marked up clearly indicating what options the item will have to meet the contract requirements.

F. Shop Drawings:

1. Composite wiring and/or schematic diagrams of the complete system as proposed to be installed (standard diagrams will not be acceptable), audio signal integrity equipment, surge suppressors, etc. required for a complete system.
2. Scale drawings showing location and mounting of all system components to be mounted in the Inmate Radio Equipment Rack.

G. Samples:

1. Assembled jack stations as detailed in the drawings.
2. One headset.
3. One 2 foot sample of each type insulated conductor (samples are not required for conductors specified by brand name if the specifically named conductors are furnished for the Work).

H. Point to Point Wiring Diagrams (Submit within 30 days of approval of composite wiring and/or schematic diagrams):

1. Submit complete point to point wiring diagrams of the entire system as it is to be installed.
 - a. Point to Point wiring diagrams shall show the following:
 - 1) All components in the system.
 - 2) All cables and conductors between each component.

- 3) Identify all cables and conductors and show all terminations and splices (identification shall correspond to markers to be installed on each conductor).

I. Contract Closeout Submittals:

1. Test Report: System acceptance test report.
2. Certificate: Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.
3. Operation and Maintenance Data:
 - a. Deliver 2 copies, covering the installed products, to the Director's Representative. Include:
 - 1) Operation and maintenance data for each product.
 - 2) Revised complete 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.

1.04 QUALITY ASSURANCE

- A. Test Facility: The Company producing the system shall have test facilities available that can demonstrate that the proposed products and system meets the contract requirements.
 1. 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 products and system to be present at the test facility. Notify the Director a minimum of 2 weeks prior to the availability of the test facility, and provide at least one alternative date for the testing.
 2. 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. Company Field Advisor: Secure the services of a Company Field Advisor from the Company producing the majority of the system components for the following:
 1. Assist in the formation of the submittal packages, and review the submittal packages for accuracy and completeness.
 2. Conduct a pre-installation meeting at the contract site with the installers (and their supervisor) who will be performing the work, the Director's Representatives and facility supervisory and maintenance personnel. The meeting shall be a minimum of 1 hour in duration. The topics covered shall include, but shall not be limited to the following:
 - a. Company field advisor shall present an overview of the equipment as it is to be installed.
 - b. Company field advisor shall lead a discussion of installation concerns and coordination issues on this system and related systems.
 - c. Company field advisor shall provide training on procedures for

installing system components and precautionary measures installers should be aware of while performing the work.

- 1) Company field advisor shall review point-to-point wiring diagrams with the installers and provide training on termination, bonding and grounding procedures required for proper installation of the system wiring and components.
3. Provide supervision of the installation at the contract site for a minimum of 8 hours and for the following:
 - a. Perform preliminary tests of the system.
 - b. Assist in performing system acceptance test and certify with an affidavit that the system is installed in accordance with the contract documents and is operating properly.
4. Train, at the contract site, facility maintenance personnel in adjustments and routine maintenance of the system.
5. Explain available service programs to facility supervisory personnel for their consideration.

1.05 MAINTENANCE

- A. Service Availability: A fully equipped service organization shall be available to service the completed Work.
- B. Spare Parts:
 1. 50 percent spare of each type fuse.
 2. 50 headsets.
 3. 2 spare faceplates for each type of radio jack station.
 4. 2 spare transformer/tap box component mounting panels including all components.
 5. 25 spare vandal resistant screws of type used for each type radio jack station outlet.

PART 2 PRODUCTS

2.01 INMATE RADIO SYSTEM HEAD END EQUIPMENT

- A. Power Amplifiers: Dukane Corp.'s 1A60 (60 watt) with input transformers.
- B. Power Supplies:
 1. Input: 120 Volt AC.
 2. Output: 12 Volt DC regulated.
 3. Rack mountable or accessories as required for rack mounting.
 4. Capacity as required to provide power to all provided 12 Volt DC equipment (eg. AM-FM Tuners and CD players, TV Tuners, etc.).
- C. Pre-amplifiers: Dukane Corp.'s 2A96 Preamp with 2A45 modules.
- D. Microphone: Shure 514B with 8 foot cord, plus Switchcraft A3M cord connector and hook for hanging microphone.
- E. AM-FM Tuners and CD Player: Dukane Corp.'s Modular AM-FM Tuner/CD

Player RCD350P, having an integral selector switch.

- F. Monitor Panel: Atlas/Soundolier's MVX-195, having an integral speaker, volume control and adjustable VU meter.
- G. AC Control Panel: Dukane Corp.'s 9A1491.
- H. All-Page Relay Device: Potter-Brumfield R-10 series.
- I. TV Tuner.
- J. Equipment Rack: Vertical front, welded steel frame, modular cabinet rack; Premier Metal Products Co.'s Trimline TVA series, having:
 - 1. Number of sections as required to accommodate equipment (each section 23 inches deep with 19 inches wide by 70 inches high panel space.)
 - 2. Skeletal frame including top and bottom.
 - a. Textured charcoal gray frame finish.
 - 3. Front, Back, and Side Panels:
 - a. Back panels hinged with locking door handle.
 - b. Blank panels to cover front panel space where equipment is not installed.
 - c. Louvers for back and side panels to provide adequate ventilation of components.
 - d. Beige tan enamel finish.
 - 4. Full size plexiglass front door.
 - a. Equip door with key lock.
 - 5. Aluminum trim with black vinyl inlay.
 - 6. Accessories as required for mounting and support of equipment.
 - 7. Multi-outlet strips mounted within enclosure with number of 15 amp receptacles (3 wire grounding type) as required for equipment. (Not less than 6 receptacles).
- K. Accessories: Attenuators, impedance matching transformers, etc. as required.
- L. Terminal Strips: Barrier type with double screw terminals.

2.02 RADIO JACK STATION

- A. Radio Jacks: Parts Express's 090-317 , having:
 - 1. 1/8" stereo.
 - 2. Panel mount design.
 - 3. Closed back.
 - 4. Metallic threaded portion.
- B. Back Box: Surface mounted, NEMA 4X stainless steel box, minimum 4 x 4 x 2 inches.
- C. Faceplate: 11 gage stainless steel, size as required for back box, tapped/threaded openings for jacks.

2.03 TRANSFORMER/TAP BOXES

- A. Transformers: Level matching, impedance matching transformers, Dukane Corp's 710-3096.
- B. Safety Network Resistors: 7.5 ohm, 5 watt, non-inductive type; International Resistive Corp.'s NAS-5-7.5-5%.
- C. Cabinet: NEMA Type 1, surface mounted cabinets, constructed of 16 gage steel, size as required to accommodate the component mounting panel; Hoffman or Hammond Manufacturing with:
 - 1. Hinged door with quarter turn latch.
 - 2. Component mounting panel.
 - a. Sized per drawings or enlarged as required for proper layout of transformers and terminations.
 - 3. The word "INMATE RADIO" stenciled on the door with green paint.
- D. Terminal Strips: Barrier type with double screw terminals.
 - 1. Number of terminals per the drawings and as required.

2.04 ANTENNAE

- A. Inmate Radio/Television Reception System:
 - 1. Blonder-Tongue BTY-LP-BB and BTY-UHF-BB antennas. Elements shall be mast mounted and oriented for best averaged signal strength.
 - 2. Pixel Technologies AM/FM/HD radio outdoor professional antenna AFHD-4, mast mounted.
 - 3. Mast mounted, weatherproof pre-amplifiers covering 550 KHz to 1600 KHz, 88 MHz to 108 MHz, 54 MHz to 216 MHz, and 470 MHz to 806 MHz, with power supplies.
 - 4. Combiners for the AM/FM frequency bands, with signals distributed to the RF inputs of the inmate radio tuners.
 - 5. Combiners for the VHF/UHF frequency bands, with signals distributed to the RF inputs of the TV tuners.

2.05 HEADSETS

- A. Vandal resistant double headset, jWin's JHP-30 having:
 - 1. 4 foot, vinyl jacketed cord.
 - 2. 3 conductor, molded, 1/8 inch phone, stereo plug.
 - 3. 12 foot, vinyl jacketed extension cord, having:
 - a. Molded, 1/8 inch phone, stereo jack on one end to match headset plug.
 - b. 3 conductor, molded, 1/8 inch phone, right angle, stereo plug on other end to match radio jack station jack.

2.06 WIRING

- A. Conductors: Conductor number and size as recommended by Company producing the system but not less than the following:
 - 1. Type MCC-R1: 2 #14 AWG stranded copper, 100 percent shielded, with

- drain wire and overall jacket suitable for direct burial.
2. Type MCC-R2: 2 #18 AWG stranded copper, 100 percent shielding, with drain wire and overall vinyl jacket.
3. Antennae to Tuners: RG-6/U coaxial cable with 2 shields, Belden Corp.'s 9275.

2.07 ACCESSORIES

- A. Relay Protection: Bridge every relay coil in the system with a 1 amp, 200 peak-inverse-voltage field collapse absorbing diode.
- B. Terminal Strip Cabinets and Interconnection Cabinets: NEMA Type 1, surface mounted cabinets, constructed of 16 gage steel, size as required to accommodate the component mounting panel; Hoffman or Hammond Manufacturing, with:
 1. Hinged door with quarter turn latch.
 2. Component mounting panel.
 - a. Sized per drawings or enlarged as required for proper layout of equipment.
 3. The word "INMATE RADIO" stenciled on the door with green paint.
- C. Accessories as required for a complete and operable system.

2.08 MARKERS AND NAMEPLATES

- A. Markers: Premarked self-adhesive; W.H. Brady Co.'s B940, Thomas and Betts Co.'s E-Z Code WSL self-laminating, Ideal Industries' Mylar/Cloth wire markers, or Markwick Corp.'s permanent wire markers.
- B. Nameplates: Precision engraved letters and numbers with uniform margins, character size minimum 3/16 inch high.
 1. Phenolic: Two color laminated engraver's stock, 1/16 inch minimum thickness, machine engraved to expose inner core color (white).
 2. Aluminum: Standard aluminum alloy plate stock, minimum .032 inches thick, engraved areas enamel filled or background enameled with natural aluminum engraved characters.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Conduit Routing Plan: Submit a conduit routing plan, as indicated on the drawings, to the Director's Representative for review and approval.
- B. Install system in accordance with the Company's printed instructions unless otherwise indicated.
- C. Use markers to identify conductors at terminal strips, cabinets and pullboxes (designations shall correspond with point to point wiring diagrams).
- D. Nameplates:

1. Transformer/Tap Boxes: Indicate cell/room number.
2. Terminal Strip Cabinets and Interconnection Cabinets: Indicate building number and floor number.
3. Head End Equipment: Identify each item.

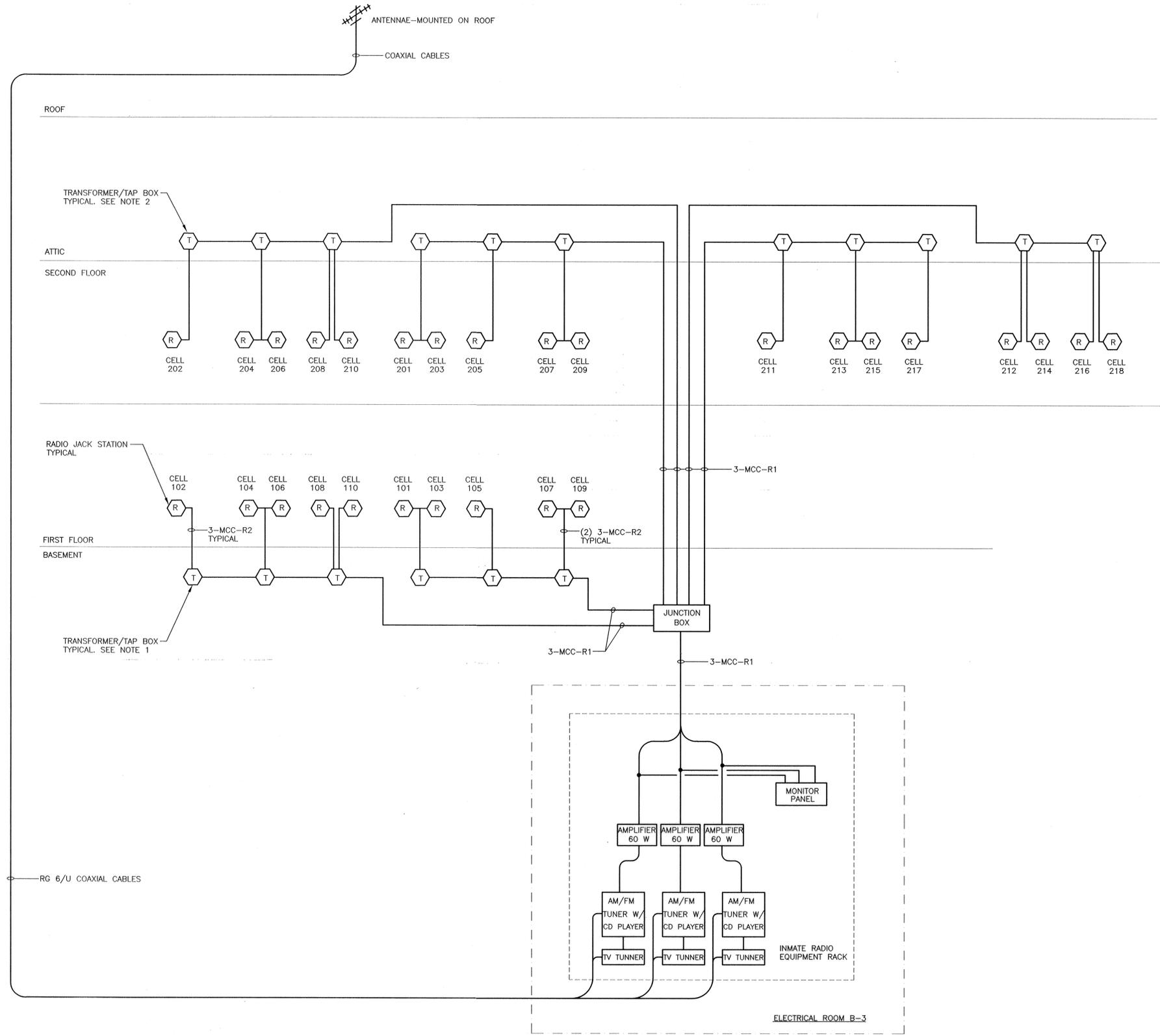
3.02 FIELD QUALITY CONTROL

- 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 3 working days prior to the test so arrangements can be made to have a Facility Representative witness the test.
 2. Make the following tests:
 - a. Individually test each channel in each cell.
 - b. A component performance test to analyze and plot the system attenuation.
 - c. Test each system function step by step as summarized under SYSTEM DESCRIPTIONS.
 3. Supply 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 Plexiglas enclosed frame assembly adjacent to the console rack.

END OF SECTION

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 36x24 PLOT SHEET



INMATE RADIO SYSTEM ONE-LINE DIAGRAM
 (NOT TO SCALE)

SPECIFIC NOTES:
 (THIS DRAWING ONLY)

1. LOCATE TRANSFORMER/TAP BOX ON CEILING OF BASEMENT. INSTALL 3-MCC-R2 CONDUCTORS (PER CELL) IN RIGID METAL CONDUIT UP FROM BASEMENT TRANSFORMER/TAP BOX TO INMATE RADIO STATION LOCATED ON THE FIRST FLOOR.
2. LOCATE TRANSFORMER/TAP BOX ON FLOOR LEVEL OF ATTIC. INSTALL 3-MCC-R2 CONDUCTORS (PER CELL) IN RIGID METAL CONDUIT DOWN FROM ATTIC TRANSFORMER/TAP BOX TO INMATE RADIO STATION LOCATED ON THE SECOND FLOOR.

DESIGN & CONSTRUCTION

CONSULTANT

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.



CONTRACT: **ELECTRICAL**

TITLE: **VARIOUS SECURITY IMPROVEMENTS BUILDING 62**

LOCATION: **HUDSON CORRECTIONAL FACILITY HUDSON, NY**

CLIENT: **CORRECTIONS AND COMMUNITY SUPERVISION**

01/06/2016	ADDENDUM NO. 1
12/26/2015	BID DOCUMENT

PROJECT NUMBER:	45384 - E
DESIGNED BY:	A.C.BEZA
DRAWN BY:	BE HA
FIELD CHECK:	
APPROVED:	

SHEET TITLE: **INMATE RADIO SYSTEM ONE-LINE DIAGRAM**

DRAWING NUMBER: **E-202**

SPECIFIC NOTES:
(THIS DRAWING ONLY)

1. PROVIDE 1/8" HEADPHONE JACKS. DRILL AND TAP THE FACEPLATE. APPLY LOCTITE TO THE THREADED PORTIONS OF THE JACKS THAT WILL ENGAGE THE TAPPED PLATE.
2. PROVIDE A JUMPER BETWEEN THE TIP AND RING CONNECTION TABS.
3. PROVIDE RIGID METAL CONDUIT FOR ALL CONNECTIONS TO INMATE RADIO JACK STATION, EITHER UP FROM BASEMENT TRANSFORMER/TAP BOX FOR FIRST FLOOR JACK STATION, OR DOWN FROM ATTIC TRANSFORMER/TAP BOX FOR SECOND FLOOR JACK STATION.
4. USE THIS STRIP(S) TO CONNECT THE WIRING INTO AND OUT OF THE CORRIDOR TO. ALSO USE IT TO CONNECT TO THE PRIMARY OF THE TRANSFORMERS. PROVIDE JUMPERS BETWEEN THE TERMINALS AS NECESSARY TO ALLOW FOR ORGANIZED CONNECTIONS.
5. USE THIS STRIP(S) TO MOUNT THE SAFETY RESISTORS, CONNECT TO THE TRANSFORMER SECONDARIES, AND TO THE CABLING GOING TO THE CELL JACKS.

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.



CONTRACT:

ELECTRICAL

TITLE:
VARIOUS SECURITY IMPROVEMENTS
BUILDING 62

LOCATION:
HUDSON CORRECTIONAL FACILITY
HUDSON, NY

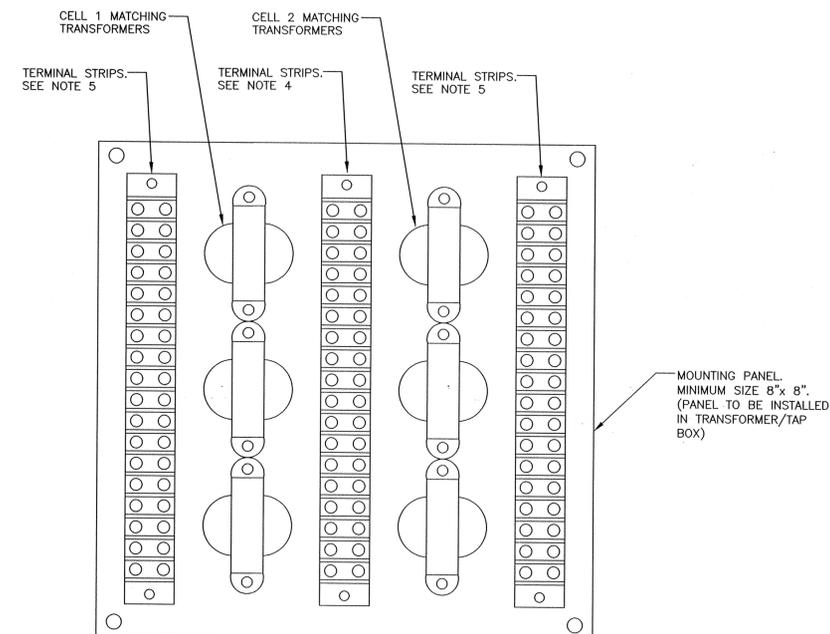
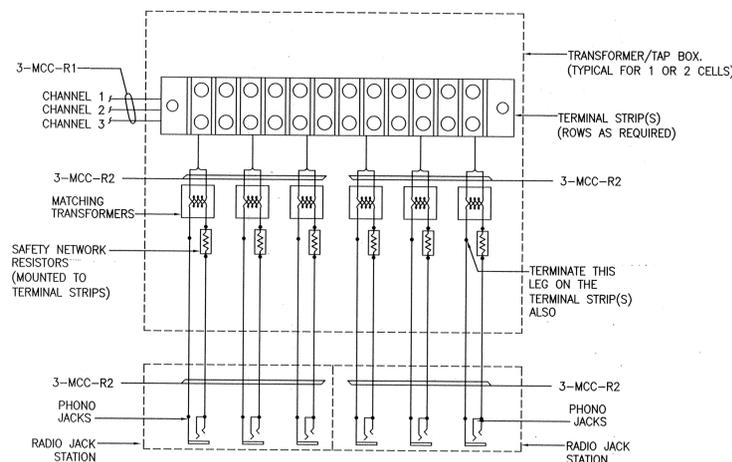
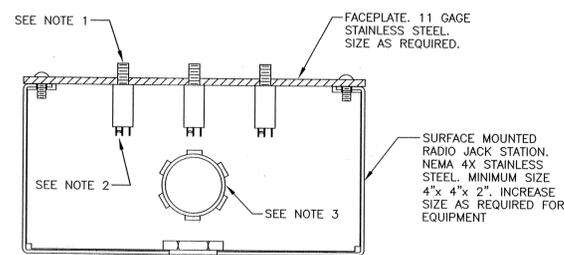
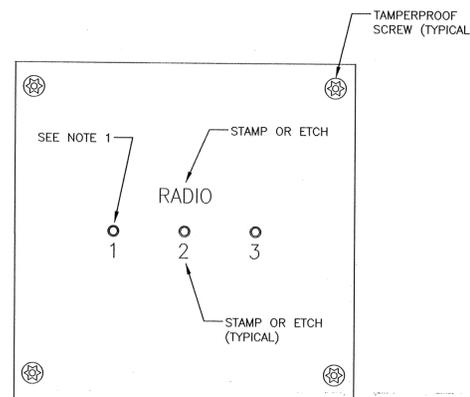
CLIENT:
CORRECTIONS AND
COMMUNITY SUPERVISION

	01/06/2016	ADDENDUM NO. 1
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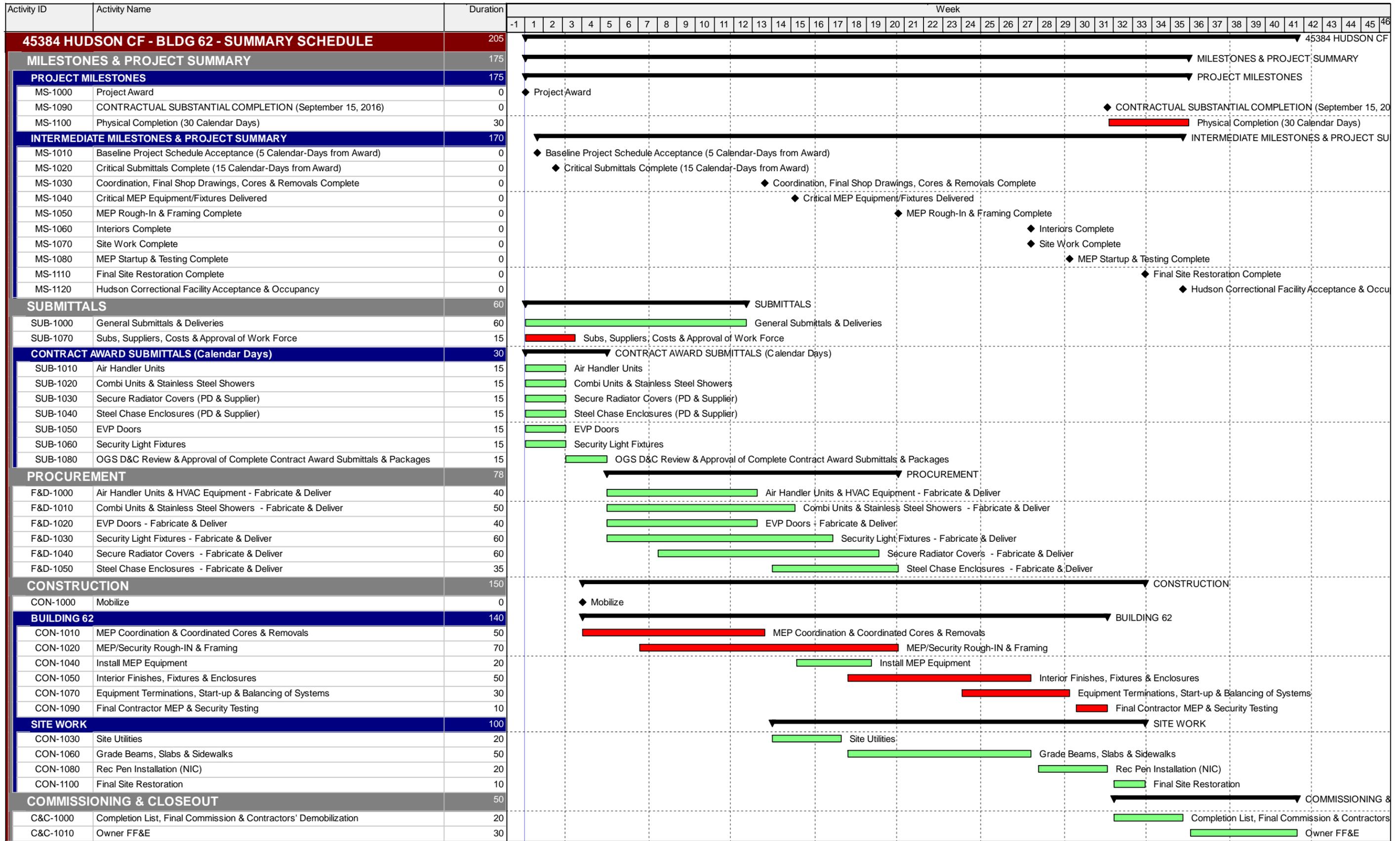
PROJECT NUMBER:	45384 - E
DESIGNED BY:	A.C.BEZA
DRAWN BY:	BE HA
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
INMATE RADIO SYSTEM
DETAILS

DRAWING NUMBER:
E-203



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 36x24 PLOT SHEET



█ Actual Work ◆ Milestone
█ Remaining Work ← Summary
█ Critical Remaining Work

45384 HUDSON CF - BLDG 62 - SUMMARY SCHEDULE
 Section 003113 - 2

