

ADDENDUM NO. 2**JOB NAME:** Hendricks County Sheriff's Office – Second Floor Build-out**PROJECT NUMBER:** 20260106**DATE OF ADDENDUM:** 8/6/2026

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDENDUM ACKNOWLEDGEMENT SECTION OF YOUR PROPOSAL.

GENERAL COMMENTS:

- Supply 6 corner guards not 34 as written in the specification.

SPECIFICATIONS:

- **Specification Section – 01 91 00 Commissioning**
 - Removed the requirement for the General Contractor to hire and pay for the Commissioning Authority.
- **Specification Section – 10 26 00 Corner Guards**
 - Revised to provide 6 corner guards.

DRAWINGS:

- **Sheet IN001: INTERIOR NOTES AND LEGENDS**
 - Updated interior general notes
 - Added PT and Epoxy information.
- **Sheet M120**
 - Modified ductwork demolition plan to rework existing ductwork as required to meet new 10'-0" ceiling above community/training room 1118.
- **Sheet M220**
 - Modified ductwork demolition plan to rework existing ductwork as required to meet new 10'-0" ceiling above community/training room 1118.
- **Sheet E002**
 - Identified IT/Data room location.
- **Sheet E220**
 - Added circuit for VAV box transformers in existing elevator machine room.
- **Sheet E320**
 - Clarified low voltage detail reference in plan notes 1 and 2.

END OF ADDENDUM 2

SECTION 01 91 00 - COMMISSIONING

PART I GENERAL

I.1 SUMMARY

- A. Section Includes:
 - 1. Commissioning description.
 - 2. Submittals.
 - 3. Commissioning services.
 - 4. Commissioning responsibilities.
 - 5. Commissioning meetings.
 - 6. Commissioning reports.
 - 7. Test equipment.
 - 8. Verification check and startup procedures.
 - 9. Functional performance test procedures.
 - 10. Function performance test methods.
 - 11. Deficiencies and test approvals.
 - 12. Demonstration.

I.2 REFERENCES

- A. Associated Air Balance Council:
 - 1. AABC - AABC Commissioning Guideline.
- B. American Society of Heating, Refrigerating and Air-Conditioning Engineers:
 - 1. ASHRAE Guideline I - The HVAC Commissioning Process.
- C. National Environmental Balancing Bureau:
 - 1. NEBB - Procedural Standards for Building Systems Commissioning.
- D. Testing Adjusting and Balancing Bureau:
 - 1. TABB – Commissioning Manual

I.3 COMMISSIONING DESCRIPTION

- A. Commissioning: Systematic process of ensuring systems perform interactively according to design intent and Owner's operational needs. Commissioning process encompasses and coordinates system documentation, equipment startup, control system calibration, testing and balancing, performance testing and training, and verification of actual performance. To include requirements listed under Specification Section 23 08 00 Commissioning of HVAC.
- B. Commissioning Intent:
 - I. Mechanical
 - a. Central Plant Systems
 - b. Air Handling Systems
 - c. Exhaust systems

- d. Duct Distribution Systems
 - e. Piping Distribution Systems
 - f. Direct Digital Control Systems
 - g. Plumbing Systems
 - h. Fire Protection Systems
 - i. Clean agent fire suppression systems if any
 2. Electrical
 - a. Power distribution systems
 - b. Emergency systems
 - c. Lighting & Lighting Control Systems
 - d. Life safety systems
 - e. Security systems
 - f. Communications systems
 3. Verify equipment and systems are installed in accordance with manufacturer's instructions, industry-accepted minimum standards, and Contract Documents.
 4. Verify equipment and systems receive adequate operational checkout by Contractor/Manufacturer.
 5. Verify and document proper performance of equipment and systems.
 6. Verify complete operation and maintenance documentation is delivered to Owner.
 7. Verify Owner's operating personnel are adequately trained.
- C. Commissioning does not relieve contractor of responsibility to provide finished and fully functioning Project.
- D. Commissioning Process Overview and General Order of Commissioning Tasks:
 1. Commissioning begins with initial commissioning meeting.
 2. Conduct progress commissioning meetings throughout construction, to plan, scope, coordinate, schedule future activities, and resolve problems.
 3. Equipment documentation is submitted to Commissioning Authority during normal submittals, with detailed start-up procedures.
 4. Commissioning Authority works with the contractor and equipment and system installers to develop startup plans and startup documentation formats, including verification checklists to be completed by installers, during verification check and startup process.
 5. In general, checkout and performance verification proceeds from simple to complex; from component level to equipment to systems and intersystem levels with verification checklists being completed before functional testing.
 6. Equipment and system installers execute and document verification checklists and perform verification check and startup. Commissioning Authority documents checklists and startup were completed according to approved plans.
 7. Commissioning Authority develops specific equipment and system functional performance test procedures. Contractor and equipment and system installers review procedures.
 8. Equipment and system installers execute procedures under direction of and documented by Commissioning Authority.
 9. Items of non-compliance in material, installation or setup are corrected at Contractor's expense and system retested.

10. Commissioning Authority reviews operation and maintenance documentation for completeness.
11. Commissioning is completed before Substantial Completion.
12. Commissioning Authority reviews, approves and coordinates training provided by equipment and system installers and verifies training was completed.
13. Deferred testing is conducted, as specified.

I.4 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Requirements for submittals.
- B. Qualifications Data: Submit the following prior to start of Work:
 1. Commissioning Authority firm name, address, and telephone number, and name of responsible officer.
 2. Name of full time individual assigned to Project and assuming role as Commission Authority.
 3. Detailed description of 3 commissioning projects completed by full-time individual assigned to Project within past 5 years. Include names and telephone numbers of owner's project manager and general Contractor's site superintendent.

I.5 COMMISSIONING SUBMITTALS

- A. Furnish one copy of Contract Documents including addenda, change orders, requests for interpretation, and meeting minutes to Commissioning Authority.
- B. Furnish one copy of Architect/Engineer reviewed submittals directly to Commissioning Authority.
- C. Furnish one copy of preliminary operation and maintenance data manuals to Commissioning Authority for each piece of equipment or system indicated to be commissioned.
 1. Submit required manuals within 30 days after submittals for each piece of equipment or system required under Section 01 33 00 are approved.
- D. Make additional submittals requested by Commissioning Authority for each piece of equipment or system indicated to be commissioned. Incorporate requested submittal information into related operation and maintenance manuals. Include the following:
 1. Manufacturer's printed detailed installation and start-up, operating, troubleshooting and maintenance procedures.
 2. Equipment performance curves.
 3. Factory test reports.
 4. Full sequence of operation and control diagrams.
 5. Proposed testing, adjusting, and balancing procedures.
 6. Complete warranty information, with Owner responsibilities to keep warranty in force identified.
 7. Lists of installation and checkout materials shipped with equipment.
 8. Manufacturer's field checkout forms to be used by factory or field technicians.

9. Other documentation necessary for commissioning process.
- E. Furnish one copy of verification check and startup plan to Commissioning Authority for review and approval. Include the following as minimum:
 1. Commissioning Authority's verification checklists with party responsible for each item indicated.
 2. Manufacturer's standard startup procedures copied from installation manuals.
 3. Manufacturer's standard field checkout sheets.
 4. Supplemental procedures and checklists prepared by equipment and system installers to accommodate Project conditions.
 5. Sensor and actuator calibration procedures.
 6. Include boxes or lines for recording and documenting checking and inspections of each procedure and summary statement with signature block at end of plan.
 - F. Submit written training plan to Commissioning Authority for review and approval prior to conducting training, including the following:
 1. Equipment included in training session.
 2. Intended audience.
 3. Location of training.
 4. Objectives.
 5. Subjects covered.
 6. Duration of training on each subject.
 7. Instructor for each subject.
 8. Instructional methods to be used.
 - G. Commissioning Authority will review and approve submittals for conformance to Contract Documents as related to commissioning process for primary purpose of aiding development of functional testing procedures and secondarily to verify compliance with equipment specifications.

I.6 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution Requirements: Requirements for submittals.
- B. Operation and Maintenance Data: Submit operation and maintenance manuals as specified in individual equipment and system specifications.
 1. Submittals made to Commissioning Authority do not constitute compliance with operation and maintenance manual documentation.
- C. Commissioning Record: Commissioning Authority will submit three copies of commissioning record for inclusion in operation and maintenance manuals. Furnish records in following format, arranged by system, with each part separated by tabbed flyleaves:
 1. Commissioning Plan.
 2. Final Commissioning Report.
 3. System 1: Provide the following separated by tabbed flyleaves:
 - a. Design narrative and criteria, sequences, approvals.

- b. Startup plan and report, approvals, corrections, and blank verification checklists. Separate data for each equipment type with colored separators.
 - c. Completed, functional tests, trending and analysis, approvals and corrections, training plan, record and approvals, blank functional test forms, and recommended recommissioning schedule.
 - 4. System 2: As specified for System 1.
- D. Final Commissioning Report: Commissioning Authority will submit three copies of final commissioning report including the following:
 - 1. Executive summary with list and roles of participants, brief Project description, overview of commissioning and testing scope, and general description of testing and verification methods.
 - 2. For Each Piece of Commissioned Equipment: Include statement regarding compliance with Contract Documents in the following areas:
 - a. Equipment specifications.
 - b. Equipment installation.
 - c. Functional performance and efficiency.
 - d. Equipment documentation and design intent.
 - e. Operator training.
 - 3. Include recommendations for improvement to equipment or operations, future actions, and commissioning process changes.
 - 4. List outstanding deficiencies referenced to specific functional test, inspection, trend log, or other record where deficiency is documented.
 - 5. Include brief description of verification method used, observations and conclusions from testing for each commissioned piece of equipment and system.

I.7 QUALITY ASSURANCE

- A. Perform Work in accordance with AABC, ASHRAE Guideline I and NEBB.

I.8 QUALIFICATIONS

- A. Commissioning Authority Firm: Company specializing in performing work of this section with minimum five years documented experience.
 - 1. Responsible for successfully commissioning ten facilities of similar complexity and systems in past 5 years.
 - 2. Independent of Owner, Architect/Engineer, and Contractor.
- B. Commissioning Authority: Individual employed by Commissioning Authority firm specializing in performing work of this section with minimum five years documented experience.
 - 1. Licensed as Professional Engineer, with mechanical and electrical engineering specialty.
 - 2. Experienced in operation and troubleshooting mechanical and electrical systems, energy management control systems and lighting controls systems.
 - 3. Knowledgeable in test and balance of air and water systems.

4. Experienced in monitoring and analyzing system operation using energy management control system trending or stand-alone data logging equipment.
5. Excellent verbal and written communication skills, highly organized and able to work with both management and installers.

I.9 COMMISSIONING RESPONSIBILITIES

A. Commissioning Authority Responsibilities:

1. Basic Responsibilities:

- a. Coordinate, direct, and approve commissioning work.
- b. Develop and coordinate execution of commissioning plan. Revise commissioning plan to suit Project conditions.
- c. Schedule commissioning work with Contractor for inclusion in Project schedule.
- d. Plan and conduct commissioning meetings.
- e. Request and review commissioning submittals required to perform commissioning tasks.
- f. Write and distribute verification tests and checklists.
- g. Develop verification check and startup plan in cooperation with Contractor and equipment and system installers.
- h. Write functional performance test procedures in cooperation with Contractor and equipment and system installers.
- i. Review test and balance execution plan.
- j. Attend Project progress and pre-installation meetings. Review meeting minutes. Resolve potential conflicts with commissioning activities.
- k. Observe equipment and system installations.
- l. Document equipment and systems are installed and perform in accordance with design intent and Contract Documents.
- m. Notify Owner, Architect/Engineer and Contractor of deficiencies.
- n. Coordinate and supervise required seasonal or deferred testing and deficiency corrections.
- o. Oversee and approve content and adequacy of Owner's personnel training.
- p. Review and approve operation and maintenance manuals.
- q. Compile commissioning record and testing data manual.
- r. Provide final commissioning report.

2. Detailed Responsibilities:

- a. Witness and document each piping, ductwork, electrical and system testing, cleaning, and flushing. Include documentation in operation and maintenance manuals.
- b. Approve verification tests and checklist completion by reviewing verification checklist reports, site observation, and spot checking.
- c. Approve systems startup by reviewing startup reports and site observation.
- d. Oversee functional testing of control system. Approve control system for use for test and balance operations.

- e. Approve air and water systems balancing by reviewing completed reports, site observation, and spot testing.
- f. Analyze functional performance trend logs and monitor data to verify performance.
- g. Coordinate, witness and approve manual functional performance tests performed by equipment and system installers.
 - 1) Coordinate retesting until satisfactory performance is achieved.
- h. Maintain deficiency and resolution log and separate testing record. Submit progress reports and test results with recommended actions to Architect.
- i. Review documentation for factory performance tests Commissioning Authority does not oversee. Determine what additional testing and documentation is required to comply with Contract Documents.
- j. Review equipment warranties to ensure Owner's responsibilities are defined.
- k. Return to site minimum 2 months before expiration of correction period.
 - 1) Review current equipment and system operation and condition of outstanding issues related to original and seasonal commissioning with Owner's personnel.
 - 2) Interview Owner's personnel to identify problems or concerns regarding equipment and system operation.
 - 3) Make suggestions for improvements and for recording changes in operation and maintenance manuals.
 - 4) Identify deficiencies covered by warranty or original construction contract.
 - 5) Assist Owner's personnel to develop reports, documents and requests for services to remedy outstanding problems.
- l. Develop systems manual in accordance with NEBB.
- m. Prepare standard trend logging package of primary parameters providing operations staff clear indications of system function to identify proper system operation and troubleshoot problems. Include information required to interpret trends.
- n. Assist in developing preventative maintenance plan, detailed operating plan, energy and resource management plan, and Record Documents.
- 3. Commissioning Authority may not:
 - a. Release, revoke, alter, or enlarge on requirements of Contract Documents.
 - b. Approve or accept any portion of the Work.
 - c. Assume duties of Contractor or Architect/Engineer.
 - d. Stop the Work.
- B. Owner Responsibilities:
 - 1. Arrange for Owner's personnel to attend commissioning activities and training sessions according to commissioning plan.
 - 2. Approve commissioning work completion.
 - 3. Ensure seasonal or deferred testing and deficiency issues are addressed.

- C. Contractor Responsibilities:
 - 1. Include requirements for commissioning submittal data, operation and maintenance data, commissioning tasks, and training in each purchase order and subcontract for equipment and systems indicated to be commissioned.
 - 2. Facilitate coordination of commissioning work by Commissioning Authority.
 - 3. Attend commissioning meetings.
 - 4. Cooperate with Commissioning Authority and provide access to the Work and to manufacturers' facilities.
 - 5. Require equipment and system installers to execute test to review and provide comments on functional test procedures.
 - 6. Require manufacturers to review commissioning test procedures for equipment installed by manufacturer.
 - 7. Furnish proprietary test equipment required by manufacturers to complete equipment and system tests.
 - 8. Provide temporary facilities as specified in Section 01 50 00 for Commissioning Authority's exclusive use for documentation and instrument storage and preparation of reports.
 - 9. Furnish qualified personnel to assist in completing commissioning.
 - 10. Furnish manufacturer's qualified field representatives as specified in Section 01 40 00 and individual specification sections to assist in completing commissioning.
 - 11. Ensure equipment and system installers execute commissioning responsibilities according to Contract Documents and schedule.
 - 12. Coordinate Owner's personnel training.
 - 13. Prepare operation and maintenance manuals specified in Section 01 70 00. Update original sequences of operation reflecting actual installation.
 - 14. Ensure equipment and system installers execute seasonal and deferred functional performance testing, witnessed by Commissioning Authority.
 - 15. Ensure equipment and system installers correct deficiencies and make necessary adjustments to operation and maintenance manuals and Record Documents for issues identified in seasonal testing.

I.10 COMMISSIONING MEETINGS

- A. Section 01 30 00 - Administrative Requirements: Progress meetings.
- B. Commissioning Authority will make arrangements for meetings, prepare agenda with copies for participants, and preside at meetings.
- C. Initial Commissioning Meeting:
 - 1. Commissioning Authority will schedule meeting within 60 days after start of construction.
 - 2. Attendance Required: Commissioning Authority, Owner, Owner's facility operating personnel, Architect/Engineer, Contractor, subCONTRACTOR Constructors, test, adjust and balance agency. Require attendance by installers of the following equipment and systems indicated to be commissioned including:
 - a. Mechanical equipment and systems.
 - b. Plumbing equipment and systems.
 - c. Electrical equipment and systems.

- d. Temperature controls equipment and systems.
 - e. General construction trades including roofing, insulation and glazing.
 - 3. Agenda:
 - a. Designation of personnel representing parties for commissioning activities.
 - b. Review commissioning process and responsibilities.
 - c. Review commissioning plan development procedures.
 - d. Review required commissioning submittals.
 - e. Present initial commissioning schedule.
- D. Progress Commissioning Meetings:
 - 1. Commissioning Authority will schedule meetings throughout progress of the Work at maximum bi-weekly intervals.
 - 2. Attendance Required: As specified for initial commissioning meeting.
 - 3. Agenda:
 - a. Coordination of commissioning activities.
 - b. Commissioning deficiency resolution.
 - c. Commissioning schedule.
 - d. Planning for future commissioning activities.
- E. Commissioning Authority will record meeting minutes and distribute copies within two days after meeting to participants and those affected by decisions made.

I.11 COMMISSIONING REPORTS

- A. Commissioning Authority Reports: Submit reports regularly to Owner, Architect/Engineer, and Contractor. Include the following.
 - 1. Progress reports.
 - 2. Scheduling changes.
 - 3. Observation reports of specific commissioning activities.
 - 4. Testing progress and approvals.
 - 5. Deficiency and deficiency resolution reports.
- B. Commissioning Authority Functional Performance Test Procedures: Develop test procedures including forms with the following information. Include completed documentation in operation and maintenance manuals.
 - 1. System and equipment or component names.
 - 2. Equipment location and identification number.
 - 3. Unique test identification number, and reference to unique verification checklist and startup documentation identification numbers for piece of equipment.
 - 4. Date.
 - 5. Project name.
 - 6. Participating parties.
 - 7. Copy of specification section describing test requirements.
 - 8. Copy of specific sequence of operations or other specified parameters being verified.
 - 9. Formulas used in calculations.
 - 10. Required pre-test field measurements.

11. Instructions for setting up test.
12. Special cautions, alarm limits, and safety concerns.
13. Specific step-by-step procedures to execute test, in clear, sequential and repeatable format.
14. Acceptance criteria of proper performance with Yes/No check box to allow for marking whether or not proper performance of each part of test was achieved.
15. Section for comments.
16. Signatures and date block for Commissioning Authority.

I.12 SEQUENCING

- A. Section 01 10 00 - Summary: Requirements for sequencing.
- B. Sequence work to complete commissioning, except for functional testing and Owner's personnel training, before Substantial Completion.
- C. Sequence work to achieve Functional Completion before Final Completion. Complete the following for each piece of equipment and system indicated to be commissioned to achieve Functional Completion:
 1. Complete and sign startup and verification checklist documentation.
 2. Submit trend log data.
 3. Submit final approved test and balance report.
 4. Complete functional testing.
 5. Complete training of Owner personnel.
 6. Submit approved operation and maintenance data manuals.
 7. Correct identified deficiencies or obtain approval by Owner/Architect to exclude deficiencies from Functional Completion.
- D. For equipment or systems requiring seasonal operation, perform commissioning for other season within six months of Substantial Completion.
- E. For equipment or systems where commissioning is delayed by Owner occupancy requirements or other unforeseen conditions, perform commissioning as specified for seasonal operation equipment.

I.13 SCHEDULING

- A. Section 01 32 30 - Network Analysis Schedules: Requirements for scheduling.
- B. Schedule work to allow adequate time for commissioning activities.
- C. Identify commissioning milestones, activities, and durations on Project schedule.
 - I. Identify the following for each piece of equipment and system including:
 - a. Operation and maintenance manual submittal.
 - b. Verification check and startup.
 - c. Functional performance test.
 - d. Functional completion.
 - e. Demonstration and training sessions.
 - f. Commissioning completion.

I.14 MAINTENANCE MATERIALS

- A. Section 01 70 00 - Execution Requirements: Requirements for maintenance materials.
- B. Furnish one set of manufacturer's proprietary test equipment, tools, and instruments required to complete commissioning.
 - I. Deliver test equipment to Owner after completion of functional performance test. Obtain signed receipt.

PART 2 PRODUCTS

2.1 TEST EQUIPMENT

- A. Testing Equipment: Calibrated within last year; of sufficient quality and accuracy to test and measure system performance within the following tolerances unless otherwise specified for individual equipment or systems.
 - I. Temperature Sensors and Digital Thermometers: 0.5 degree F (0.25 degree C) accuracy and plus or minus 0.1 degree F (0.05 degree C) resolution.
 - 2. Pressure Sensors: Accuracy of plus or minus 2.0 percent of measured value range.
- B. Recalibrate test equipment according to manufacturer's recommended intervals and when dropped or damaged.
 - I. Affix calibration tags to test equipment or furnish certificates upon request.
- C. Equipment Furnished by Contractor and Remaining Property of Contractor:
 - I. Standard testing equipment required to perform verification check and startup and required functional performance testing.
 - 2. Two-way radios for personnel performing commissioning.
- D. Equipment furnished by Commissioning Authority and remaining property of Commissioning Authority:
 - I. Data logging equipment and software.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Verification of existing conditions before starting work.
- B. Verify equipment and systems are installed in accordance with individual specification sections.
- C. Verify utility and power connections are complete and services operational.

3.2 VERIFICATION CHECK AND STARTUP PROCEDURES

- A. Notify Commissioning Authority and schedule verification check and startup activities with each party required to complete verification check and startup minimum 4 weeks in advance.
- B. Allow Commissioning Authority to witness verification check and startup.
 - 1. Primary Equipment: Commissioning Authority will witness procedures for each piece of equipment. For multiple units, Commissioning Authority will witness procedures on 20 percent, but not less than 4, of each type unit.
 - 2. Secondary Equipment: Commissioning Authority will witness sampling on 20 percent, but not less than 4, of each type unit.
- C. Verification Check and Startup:
 - 1. Perform verification check and startup in accordance with approved verification check and startup plan.
 - 2. Complete entire plan for each piece of equipment or system indicated to be commissioned.
 - 3. Complete each procedure in sequence performed by party assigned to each procedure.
 - 4. Record completion of each procedure. Indicate results of procedure where required. Sign and date plan by individual performing procedure.
 - 5. Identify items not completed successfully.
 - 6. Sign and date plan indicating completion of entire plan.
 - 7. Submit executed plan to Commissioning Authority within 2 days of completion.
- D. Deficiencies and Approvals:
 - 1. Commissioning Authority will review verification check and startup reports and issue deficiency report or approval.
 - 2. Correct deficiencies and resubmit updated verification check and startup report with statement indicating corrections made for Commissioning Authority approval.
 - 3. Repeat process until verification check and startup report is approved.

3.3 FUNCTIONAL PERFORMANCE TEST PROCEDURES

- A. Complete the following before performing functional tests:
 - 1. Verification check and startup.
 - 2. Control system testing with approval by Commissioning Authority for use for test and balance operations.
 - 3. Air system balancing and water system balancing.
- B. Notify Commissioning Authority of completion of verification check and startup activities.
- C. Commissioning Authority will direct, witness, and document results of functional performance tests.

- D. Demonstrate each piece of equipment and system is operating according to documented design intent and Contract Documents.
 - 1. Conduct testing proceeding from components to subsystems, to systems.
 - 2. Bring equipment and systems to condition capable of full dynamic operation.
 - 3. Verify performance of individual components and systems.
 - 4. Verify performance of interactions between systems.
 - 5. Identify and correct areas of deficient performance.
- E. Operate each piece of equipment and system through each specified mode of operation including seasonal, occupied, unoccupied, warm up, cool down, partial load and full load conditions.
 - 1. Verify each sequence in sequences of operation.
 - 2. Test for proper responses to power failure, freezing, overheating, low oil pressure, no flow, equipment failure, and other abnormal conditions.

3.4 FUNCTIONAL PERFORMANCE TEST METHODS

- A. Perform testing and verification by using manual testing or by monitoring performance and analyzing results using control system trend log capabilities or by stand-alone data loggers as specified for each piece of equipment or system.
 - 1. Commissioning Authority may require alternate or additional method, other than specified method.
 - 2. Commissioning Authority will determine test method when method is not specified.
- B. Simulated Conditions: Simulating conditions, not by overwritten values, is permitted. Timing tests to use real conditions is encouraged wherever practical.
- C. Overwritten Values: Overwriting sensor values to simulate conditions may be used with caution and avoided when possible.
- D. Simulated Signals: Using signal generator to create simulated signals to test and calibrate transducers automatic temperature controls is generally recommended over using sensors as signal generators with simulated conditions or overwritten values.
- E. Altering Setpoints: Rather than overwriting sensor values, and when simulating conditions is difficult, altering setpoints to test specific sequence is acceptable. Reset setpoint after completing test.
- F. Indirect Indicators: Using indirect indicators for responses or performance is permitted only after visually and directly verifying and documenting indirect readings through control system representing actual conditions and responses over tested parameter range.
- G. Perform each function and test under conditions simulating actual conditions as close as is practically possible.

1. Provide materials, system modifications, and other things necessary to produce flows, pressures, temperatures, and other responses to execute test according to specified conditions.
 2. At completion of test, return modified equipment and systems to pretest condition.
- H. Sampling: Multiple identical pieces of equipment or equipment with only small size or capacity differences may be functionally tested using sampling strategy when permitted by other section according to the following rules.
1. Do not use sampling strategy for equipment with significant differences in application or sequence of operation differences.
 2. When frequent failures occur, Commissioning Authority may stop testing and require responsible party to perform and document checkout of remaining units, prior to continuing with functional performance testing.

3.5 DEFICIENCIES AND TEST APPROVALS

- A. Deficiencies:
1. Commissioning Authority will record and report deficiencies to Owner/Architect.
 2. Minor deficiencies may be corrected during tests at Commissioning Authority's discretion. Deficiency and resolution will be documented on procedure form.
 3. Failure to attend scheduled verification check, startup, or functional performance test will be considered deficiency.
 4. When deficiency is identified, Commissioning Authority will discuss issue with party executing test.
 - a. When party executing test accepts responsibility to correct deficiency:
 - 1) Commissioning Authority documents deficiency and executing party's response.
 - 2) Commissioning Authority submits deficiency report to Owner, Architect/Engineer, Contractor and party executing test.
 - 3) Party executing test corrects deficiency, signs statement of correction on deficiency form certifying equipment is ready for retesting and submits form to Commissioning Authority.
 - 4) Commissioning Authority reschedules test and test is repeated until satisfactory performance is achieved.
 - b. When party executing test disputes deficiency or responsibility for deficiency:
 - 1) Commissioning Authority documents deficiency and executing party's response.
 - 2) Commissioning Authority submits deficiency report to Owner, [Contractor,] and party executing test and party believed to be responsible for deficiency.
 - 3) Commissioning Authority negotiates resolution with parties involved and refers continuing disputes to Architect/Engineer for resolution in accordance with Contract Documents.
 - 4) Commissioning Authority documents resolution process.

- 5) When resolution is decided, appropriate party corrects deficiency, signs statement of correction on deficiency form certifying equipment is ready for retesting and submits form to Commissioning Authority.
 - 6) Commissioning Authority reschedules test and test is repeated until satisfactory performance is achieved.
- B. Provide written report to Commissioning Authority before each scheduled commissioning meeting concerning status of each deficiency. Include explanations of disagreements with resolution proposals for each discrepancy.
 1. Commissioning Authority will retain original deficiency forms until end of Project.
- C. Manufacturing Defects: When 10 percent, but not less than 3 identical pieces of equipment or equipment with only small size or capacity differences fail to perform to Contract Document requirements due to manufacturing defect, all identical units may be considered defective by Owner.
 1. Within one week of notice from Owner, examine all other identical units and record findings. Submit findings to Owner within two weeks of original notice.
 2. Within two weeks of original notification, provide signed and dated, written explanation of problem, cause of defect, and proposed solutions meeting Contract Document requirements. Include equipment submittals supporting solution.
 3. Owner will determine whether replacement or repair of all identical units is required.
 4. Install two examples of proposed solution. Owner will test installations for up to one week, before deciding solution is acceptable.
 5. Upon acceptance, replace or repair all identical items, at Contractor's expense. Extend warranty accordingly, when original equipment warranty had begun.
 6. Complete repairs or replacements with reasonable speed beginning within one week from when parts can be obtained.
- D. Test Approval: Commissioning Authority notes each satisfactorily demonstrated function on functional performance test form.
 1. Commissioning Authority recommends acceptance of each test to Owner/Architect using standard form.
 2. Owner gives final approval for each test using same form, providing signed copy to Commissioning Authority and Contractor.

3.6 DEMONSTRATION

- A. Section 01 70 00 - Execution Requirements: Requirements for demonstration and training.
- B. Demonstrate equipment and systems and train Owner's personnel as specified in individual equipment and system specifications.
 1. Commissioning Authority will interview Owner's personnel to determine special needs and areas where training will be most valuable.

2. Owner and Commissioning Authority will determine type and extent of training for each commissioned piece of equipment and system.
 3. Commissioning Authority will communicate training requirements to Contractor for benefit of equipment and system installers and manufacturers with training responsibilities.
- C. Commissioning Authority will develop criteria for determining training was satisfactorily completed, including attending some training sessions.
1. Commissioning Authority will make recommendation to Owner/Architect regarding approval of training.
- D. Initial Mechanical and Electrical Equipment Training Session:
1. Commissioning Agent will make 2-hour long presentation of overall system design concept and design concept of each equipment section.
 2. Presentation will include review of the following systems using simplified system schematics:
 - a. Chilled water system.
 - b. Condenser water or heat rejection system.
 - c. Heating system.
 - d. Fuel oil supply system.
 - e. Fuel gas supply system.
 - f. Supply air system.
 - g. Exhaust system.
 - h. Outside air system.
- E. Commissioning Authority will video tape training sessions, catalog tapes, and furnish two sets of tapes for inclusion with operation and maintenance manuals.

END OF SECTION

SECTION 10 26 00

CORNER GUARDS

GENERAL

I.1 SUMMARY

- A. Section includes corner guards.

I.2 PERFORMANCE REQUIREMENTS

- A. Corner Guards: Resist lateral impact force of 100 lbs at any point without damage or permanent set.

I.3 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Product Data: Submit physical dimensions, features, wall mounting brackets with mounted measurements, anchorage details, and rough-in measurements.
- C. Samples: Submit two sections of corner guard, 24 inch long, illustrating component design, configuration, color and finish.
- D. Manufacturer's Installation Instructions: Submit procedures and perimeter conditions requiring special attention.

I.4 QUALITY ASSURANCE

- A. Perform Work in accordance with ANSI A117.1 requirements for physically handicapped.

I.5 FIELD MEASUREMENTS

- A. Verify field measurements prior to fabrication.
- B. Provide 6 corner guards. Locations to be determined by architect.

I.6 COORDINATION

- A. Coordinate Work with wall or partition sections for installation of concealed blocking or anchor devices.

PRODUCTS

I.7 CORNER GUARDS

A. Manufacturers:

1. C/S Acrovyn
2. Construction Specialties Inc.
3. IPC Door & Wall Protection Systems.
4. Koroseal Wall Protection Systems, Inc.
5. Pawling Corp.

I.8 COMPONENTS

A. Corner Guard - Surface Mounted:

1. Material: High impact vinyl with extruded aluminum full height retainer with integral shock device.
2. Projection From Wall to Outside of Guard: 3 inch.
3. Length: One piece.
4. Preformed end caps.

B. Mounting Brackets and Attachment Hardware: Appropriate to component and substrate.

I.9 FABRICATION

A. Fabricate components with tight joints, corners and seams.

B. Pre-drill holes for attachment.

C. Form end trim closure by capping and finishing smooth.

I.10 FACTORY FINISHING

A. Corner Guard: Vinyl, color as selected by the Architect from the Manufacturer's full line.

EXECUTION

I.11 EXAMINATION

A. Verify rough-in for components are correctly sized and located.

I.12 INSTALLATION

A. Install per the Manufacturer's recommendations.

I.13 ERECTION TOLERANCES

- A. Maximum Variation From Required Height for Horizontal Rails: 1/4 inch.
- B. Maximum Variation From Level or Plane For Visible Length for Horizontal Rails: 1/4.

END OF SECTION

CARPET TO CONCRETE

ALIGN ALL ADJACENT SURFACES.

TANDUS CENTIVA METALEGE
DEUX TRIM #MET02 COLOR: STEEL #00179

CARPET

SEALED CONCRETE

CONCRETE FLOOR SLAB - REFER TO "A" SERIES DRAWINGS.

LVT TO CONCRETE

ALIGN ALL ADJACENT SURFACES.

TANDUS CENTIVA METALEGE
DEUX TRIM #MET02 COLOR: STEEL #00179

LVT

SEALED CONCRETE

CONCRETE FLOOR SLAB - REFER TO "A" SERIES DRAWINGS.

TILE TO CONCRETE

ALIGN ALL ADJACENT SURFACES.

SCHLUTER SYSTEMS
RENDO COLOR: ALUMINUM

TILE

CONCRETE

CONCRETE FLOOR SLAB - REFER TO "A" SERIES DRAWINGS.

LVT TO TILE

ALIGN ALL ADJACENT SURFACES.

SCHLUTER SYSTEMS: RIAGR 60
COLOR: GRAPHITE ANODIZED ALUMINUM

LEVELING COMPOUND

LVT2 SOLID VINYL TILE

PORCELAIN TILE

1/8" INCHES

1/8" INCHES

CONCRETE FLOOR SLAB - REFER TO "A" SERIES DRAWINGS.

GENERAL

1. FURNITURE IS NOT PROVIDED IN THIS CONTRACT, LAYOUTS AND FINAL DESIGN WILL BE DETERMINED BY OWNER.
2. APPLIANCES TO BE PROVIDED BY OWNER (I.E. REFRIGERATORS, FREEZERS, DISHWASHERS, CONCESSION EQUIPMENT, VENDING MACHINES, STOVES, ETC.).
3. REFERENCE INTERIOR ELEVATIONS, WHERE PROVIDED, FOR ADDITIONAL FINISH INFORMATION.
4. PROVIDE SAMPLES OF ALL FINISHES TO ARCHITECT/DESIGNER FOR REVIEW, INCLUDING INSTALLATION JOINT AND SEAM LAYOUTS.
5. ALTERNATES WILL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL OF ARCHITECT/DESIGNER. SAMPLES, WHEN APPLICABLE, SHALL BE SUBMITTED FOR REVIEW.

FLOORING

6. GENERAL CONTRACTOR IS RESPONSIBLE FOR INSPECTING FLOOR SUBSTRATE PRIOR TO INSTALLATION OF ANY FLOOR FINISH AND IS TO PERFORM NECESSARY REPAIRS AS REQUIRED FOR FULL INSTALLATION OF FLOOR FINISHES.
7. FLOOR FINISHES ARE TO EXTEND UNDER BUILT-IN MILLWORK AND CASEWORK.
8. SEALER IS NOT TO BE USED ON CONCRETE WHERE TILE IS TO BE INSTALLED.
9. ALL FLOOR TILE TO BE THIN SET.
10. TRANSITION STRIP TO BE INSTALLED BETWEEN ALL UNLIKE FLOORING SURFACES. COLOR TO BE SELECTED BY DESIGNER.
11. FABRIC REINFORCED FLUID APPLIED MEMBRANE TO BE APPLIED OVER ENTIRE FLOOR AND 12" UP WALLS, WHERE TILE FLOORS ARE INDICATED.

WALLS (GENERAL)

12. APPLY SEALANT AND BACKER ROD AT ALL JUNCTIONS BETWEEN DIFFERENT MATERIALS (I.E. CMU BLOCK WALL AND DRYWALL, STOREFRONT AND PRECAST).
13. APPLY SEALANT AND BACKER ROD AT ALL THROUGH WALL AND FLOOR PENETRATION JOINTS.
14. INSTALL TOOLED JOINT AT ALL LOCATIONS WHERE CMU BLOCK WALL MEETS SEALED CONCRETE FLOOR.
15. CORNER GUARDS SHOULD NOT BE APPLIED TO CMU WALLS. FIELD VERIFY ALL LOCATIONS IN PLANS.
16. SEALANT AT ALL JUNCTIONS BETWEEN WALLS AND COUNTERTOPS AND MILLWORK.
17. SEALANT/CAULK COLOR TO MATCH ADJACENT SURFACES.
18. PROVIDE 5/8" TILE BACKER UNITS ON ALL WALLS AT WALL TILE INSTALLATIONS.
19. SEE DETAIL 1/AW/10 FOR TILE WALL TO TILE OR SEALED CONCRETE FLOOR JOINT.
20. WHERE APPLICABLE, TILE BASE TO BE USED ON WALLS THAT DO NOT HAVE WALL TILE.

WALLS (FINISHES)

21. PAINT ALL WALLS **PT1**, UNLESS OTHERWISE NOTED.
22. ALL WALLS RECEIVING ACCENT PAINT, TO BE PAINTED FLOOR TO CEILING AND CORNER TO CORNER.
23. ALL OFFICES, CONERENCE ROOMS, BREAK ROOMS, COMMUNITY TRADING, SQUAD ROOM, WORK AREA, KITCHENETTE, OPEN OFFICE AND LOBBY/WAIT AREA TO HAVE 2 ACCENT WALLS, TO BE CHOSEN BY DESIGNER.
24. ALL RESTROOMS TO HAVE ONE ACCENT WALL, TO BE CHOSEN BY DESIGNER.
25. PAINT ALL INTERIOR HAND RAILINGS AND STAIR RISERS IN JAIL **PT6**. PAINT ALL OTHER INTERIOR HAND RAILINGS AND STAIR RISERS **PT4**.
26. PAINT ALL INTERIOR HOLLOW METAL DOORS, DOOR FRAMES, AND WINDOW FRAMES **PT6**, IN UNIT C, D, E, F, G, AND PAINT ALL OTHER INTERIOR HOLLOW METAL DOOR FRAMES WITH WOOD DOORS AND WINDOW FRAMES **PT4**, UNLESS OTHERWISE NOTED.
27. PAINT ALL EXPOSED METAL SURFACES (I.E. GRILLS, HEATERS, AND FIRE EXTINGUISHER CABINETS) TO MATCH ADJACENT SURFACE, UNLESS OTHERWISE NOTED.
28. PAINT ALL EXPOSED STEEL AND WRAPPED COLUMNS **PT5**, UNLESS OTHERWISE NOTED.
29. PAINT ALL IN SHOWER AREAS TO BE EPOXY. PAINT IS TO GO ON ENTIRE WALL & CEILING SURFACE.
30. REFERENCE ARCHITECTURAL CEILING PLANS FOR CEILING HEIGHTS AND ALTERNATE BULKHEAD AND CEILING COLOR DESIGNATIONS.
31. PAINT ALL BULKHEADS AND BULKHEADS THAT ARE FLUSH WITH WALLS TO MATCH ADJACENT WALL, UNLESS OTHERWISE NOTED.
32. PAINT ALL EXPOSED CEILINGS **PT2**, UNLESS OTHERWISE NOTED.
33. PAINT ALL DRYWALL CEILINGS **PT1**, UNLESS OTHERWISE NOTED.

Key	Note
1	TRANSITION STRIP LOCATED HERE.
2	CORNER GUARD.
3	MARKER BOARD. PROVIDE BLOCKING AS REQUIRED. VERIFY LOCATION W/ OWNER.

CARPET (CPT)		
CPT1	MANUFACTURER:	J AND J
	COLLECTION:	BROOKSTONE (1846)
	COLOR:	ARBOR (2923)
	SIZE:	10' X 36'
INSTALLATION:		ASUARE PER MANUFACTURER'S RECOMMENDATIONS.
LAMINATE (LAM)		
LAM1	MANUFACTURER:	WILSONART
	COLLECTION:	STANDARD LAMINATE
	COLOR:	FRENCH-FAIR (8229-38)
	FINISH:	FINE VELVET
LOCATION:		ALL CASEWORK
PAINT (PT)		
PT1	MANUFACTURER:	SHERWIN-WILLIAMS
	COLOR:	SW 7015 - REPOSE GRAY
	FINISH:	SATIN
	LOCATION:	ALL OVER
NOTES:		MATTE FINISH ON ALL EXPOSED METAL SURFACES.
PT2	MANUFACTURER:	SHERWIN-WILLIAMS
	COLOR:	SW 7007 - CEILING'S BRIGHT WHITE
	FINISH:	SATIN
	LOCATION:	CEILING
PT3	MANUFACTURER:	SHERWIN-WILLIAMS
	COLOR:	SW 7688 - SUMMIT GRAY
	FINISH:	ACCENT
	LOCATION:	ACCENT
NOTES:		MATTE FINISH ON ALL EXPOSED METAL SURFACES.
PT4	MANUFACTURER:	SHERWIN-WILLIAMS
	COLOR:	SW 7069 - IRON ORE
	FINISH:	SATIN
	LOCATION:	ACCENT
NOTES:		MATTE FINISH ON ALL EXPOSED METAL SURFACES.
PT5	MANUFACTURER:	SHERWIN-WILLIAMS
	COLOR:	SW 6192 - COASTAL PLAIN
	FINISH:	SATIN
	LOCATION:	ACCENT
NOTES:		MATTE FINISH ON ALL EXPOSED METAL SURFACES.
PT6	MANUFACTURER:	SHERWIN-WILLIAMS
	COLOR:	SW6193 - PRIVILEGE GREEN
	FINISH:	SATIN
	LOCATION:	ACCENT
NOTES:		MATTE FINISH ON ALL EXPOSED METAL SURFACES.

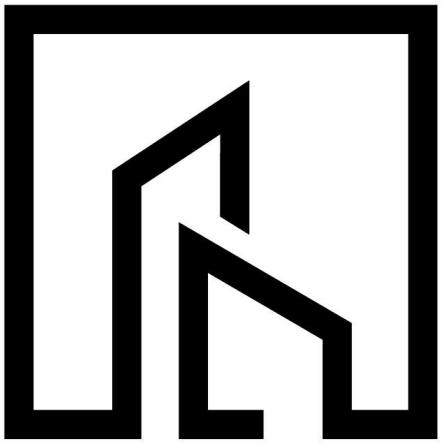


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HENDRICKS COUNTY BOARD OF COMMISSIONERS
HENDRICKS COUNTY SHERIFF'S OFFICE &
JAIL - SECOND FLOOR BUILD-OUT

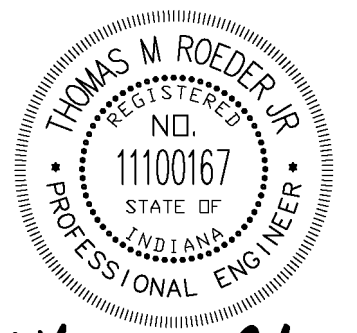
#	Revision	Date
1	Addendum #1	07/24/2021
2	Addendum #2	08/06/2021

Designed By: BNW
 Drawn By: BNW
 Checked By: BMR
 DATE: 8/6/2026 10:05:10 AM

IN001



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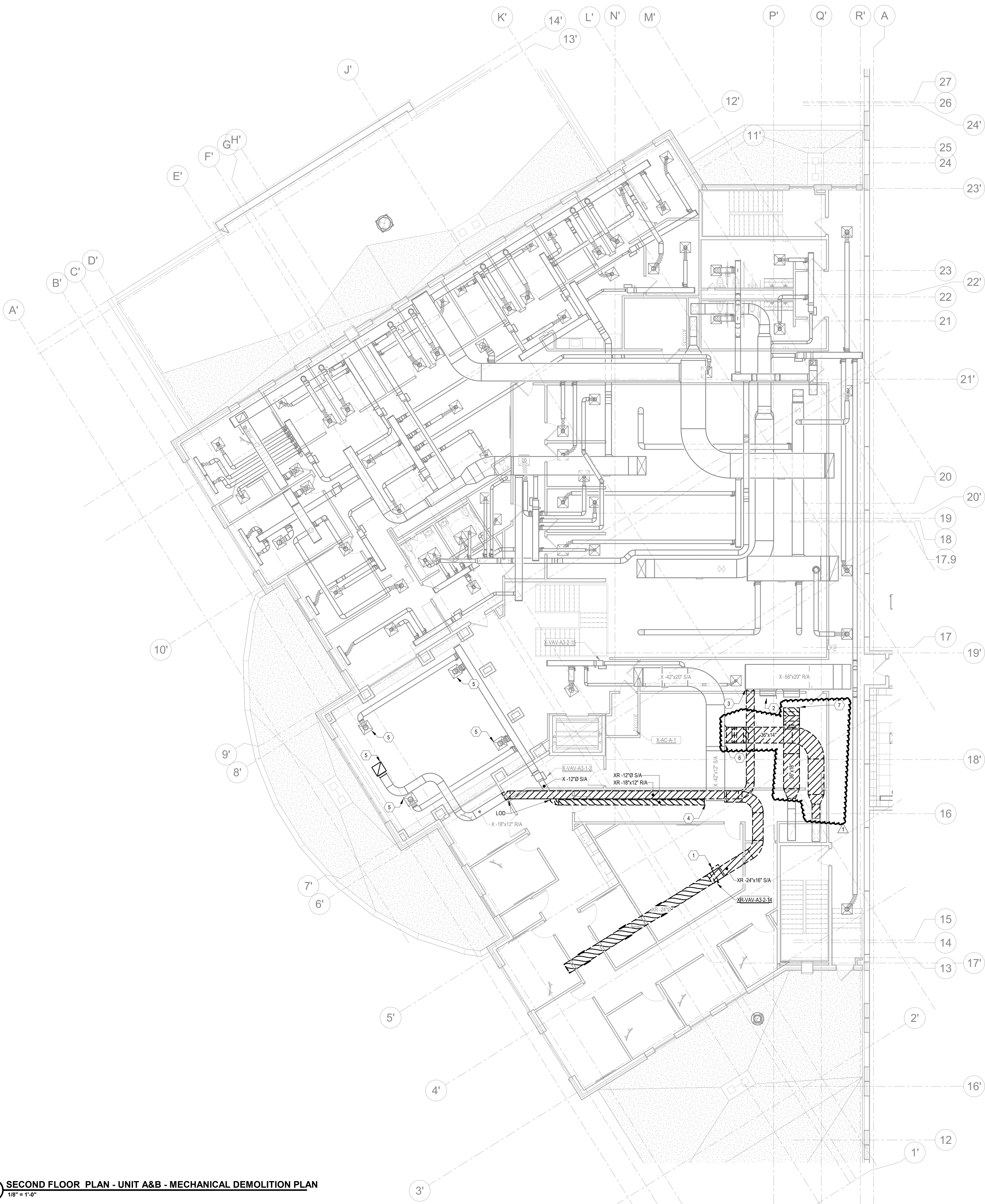
#	Revision	Date
1	Addendum #2	08/06/2026

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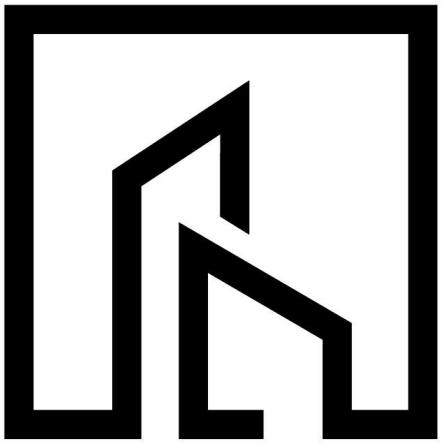
SECOND FLOOR - UNIT B -
MECHANICAL DEMOLITION
PLAN

M120

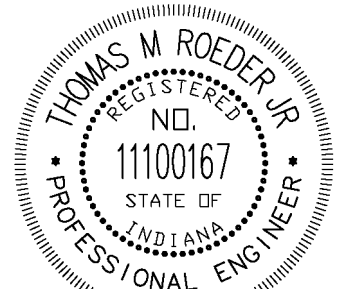


KEY	KEYNOTES
1	DEMOLISH EXISTING VAV BOX AND ALL ASSOCIATED DUCTWORK, DIFFUSERS, PIPING, CONTROLS AND WIRING BACK TO ACTIVE MAINS AND PREP FOR RECONNECTION.
2	DEMOLISH EXISTING EXPANDED METAL GRILLE AND PREP EXISTING 36X18 RA DUCT FOR NEW CONNECTION.
3	DEMOLISH EXISTING 18X12 RA BACK TO ACTIVE MAIN AND CAP. PREP RECONNECTION OF GRILLE TO NEW RA DUCT MAIN. COORDINATE TEMPORARY DOWNTIME OF ENTRY LOBBY HVAC WITH OWNER.
4	DEMOLISH EXISTING 12" SA DUCT BACK TO ACTIVE MAIN AND CAP. PREP RECONNECTION OF GRILLE TO NEW RA DUCT MAIN. COORDINATE TEMPORARY DOWNTIME OF ENTRY LOBBY HVAC WITH OWNER.
5	TABB CONTRACTOR TO TAKE AIRFLOW READINGS OF DIFFUSERS INDICATED PRIOR TO DEMOLITION WORK AND DEMARK ONCE NEW WORK IS COMPLETED.
6	DEMOLISH EXISTING SUPPLY MAIN AS REQUIRED TO MEET NEW 10'-0" AFF CEILING HEIGHT. COORDINATE ANY TEMPORARY SHUTDOWN WITH OWNER.
7	DEMOLISH EXISTING RETURN MAIN AS REQUIRED TO MEET NEW 10'-0" AFF CEILING HEIGHT. COORDINATE ANY TEMPORARY SHUTDOWN WITH OWNER.

1 SECOND FLOOR PLAN - UNIT A&B - MECHANICAL DEMOLITION PLAN
1/8" = 1'-0"



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#	Revision	Date
1	Addendum #2	08/06/2026

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SECOND FLOOR PLAN - UNIT B -
MECHANICAL

M220

PIPING GENERAL NOTES:

- ALL HWSAR PIPING SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE.
- ALL ABOVE FINISH FLOOR (A.F.F.) DIMENSIONS ARE TO BE MEASURED TO BOTTOM OF EQUIPMENT, DUCTWORK OR PIPING, UNLESS NOTED OTHERWISE.
- ALL HOT WATER COILS SHALL HAVE A 2-WAY CONTROL VALVE UNLESS NOTED OTHERWISE.
- DETERMINE LINE LENGTH OF REFRIGERANT PIPING AND REFER TO MANUFACTURES INSTALLATION MANUAL FOR PREFERRED PIPE SIZING, INSULATION AND SPECIALTIES REQUIRED.
- COORDINATE ANY AND ALL PENETRATIONS OF PRECAST WALL WITH PRECAST PANEL MANUFACTURER.

DUCTWORK GENERAL NOTES:

- ALL DUCT DIMENSIONS GIVEN ARE INSIDE DIMENSIONED, UNLESS NOTED OTHERWISE.
- COORDINATE ALL OPENINGS IN FLOORS, ROOF AND WALLS WITH THE GENERAL AND STRUCTURAL CONTRACTORS.
- RUN ALL DUCTS AS HIGH AS POSSIBLE WITH RETURN AND EXHAUST ABOVE SUPPLY AS OFTEN AS POSSIBLE.
- PROVIDE TURNING VANES IN ALL SUPPLY AIR SQUARE THROATED ELBOWS.
- ALL RECTANGULAR SUPPLY AIR BRANCH CONNECTIONS SHALL BE 45° TAKE-OFF FITTINGS AND ROUND SUPPLY AIR BRANCH CONNECTIONS SHALL BE BELLMOUTH FITTINGS.
- REFER TO DIFFUSER SCHEDULE FOR DUCT RUNOUT SIZE UNLESS NOTED OTHERWISE. ALL FLEXIBLE DUCTS TO DIFFUSERS MAXIMUM LENGTH 5'-0". FLEXIBLE DUCTS ARE NOT TO BE USED AS ELBOWS.
- ALL ABOVE FINISH FLOOR (A.F.F.) DIMENSIONS ARE TO BE MEASURED TO BOTTOM OF EQUIPMENT OR DUCTWORK UNLESS NOTED OTHERWISE.
- PROVIDE CEILING RADIATION DAMPERS (CRD) FOR ALL DIFFUSERS/GRILLES LOCATED IN RATED CEILINGS. COORDINATE TYPE OF CRD REQUIRED WITH ARCHITECTURAL CONSTRUCTION TYPE AS SHOWN ON ARCHITECTURAL PLANS.
- COORDINATE WITH GENERAL CONTRACTOR TO ENSURE THAT ALL DUCTWORK AND PIPING IS ROUTED SO AS TO NOT INTERFERE WITH SKYLIGHTS IN ALL LOCATIONS.

KEYNOTES	
KEY	NOTE
1	TABB CONTRACTOR TO TAKE AIRFLOW READINGS OF DIFFUSERS INDICATED PRIOR TO DEMOLITION WORK AND REBALANCE ONCE NEW WORK IS COMPLETED.
2	TCC SHALL PROVIDE LOCAL DISPLAY AND CONTROL THERMOSTAT AT LOCATIONS INDICATED.
3	OFFSET DUCTWORK AS REQUIRED TO LIFT BETWEEN EXISTING STEEL. COORDINATE NEW DUCT ROUTING TO MAINTAIN 10'-0" CEILINGS.

3 SECOND FLOOR THERMAL ZONE DIAGRAM

1/8" = 1'-0"

0 4' 8' 16'

2 SECOND FLOOR PLAN - UNIT A&B - HVAC PIPING

1/8" = 1'-0"

1 SECOND FLOOR PLAN - UNIT A&B - DUCTWORK

1/8" = 1'-0"

0 4' 8' 16'



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E002

1 FIRST FLOOR COMPOSITE PLAN - POWER
1/16" = 1'-0"

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SECOND FLOOR PLAN - POWER
AND LIGHTING

E220

GENERAL NOTES - POWER

- REFER TO SHEET E-001 FOR ELECTRICAL SYMBOLS AND ADDITIONAL GENERAL NOTES.
- REFER TO PIPE SERIES SHEETS FOR ADDITIONAL SCOPE OF WORK.
- REFER TO SPECIFICATION SECTION 260519 FOR MINIMUM CONDUCTOR SIZE REQUIRED BASED ON TOTAL CIRCUIT DISTANCE.
- ALL RECEPTACLES LOCATED WITHIN 6 FEET OF A SINK SHALL BE GFCI TYPE. ALL RECEPTACLES MAY NOT BE IDENTIFIED AS GFCI ON PLAN, BUT SHALL BE PROVIDED ACCORDING TO REQUIREMENT.
- ALL SPECIAL TYPE RECEPTACLES SHALL BE NEMA 6-20R UNLESS NOTED OTHERWISE AND SHALL BE CIRCUITED WITH (2) #10 + (1) #10 NEUTRAL + (1) #10 GROUND. COORDINATE REQUIREMENTS WITH OWNER SUPPLIED EQUIPMENT PRIOR TO INSTALLATION.
- ALL RECEPTACLES SHALL BE TAMPER PROOF TYPE IN AREAS WHERE INMATES MAY BE PRESENT AND AS NOTED.
- ALL DEVICE COVERPLATES SHALL BE SS WITH TAMPER PROOF HARDWARE IN DAY ROOMS, DORMS, RECREATIONAL ROOMS, AND ALL OTHER INMATES ACCESSIBLE AREAS UNLESS NOTED OTHERWISE.
- REFER TO ARCHITECTURAL SCHEDULES, DETAILS, AND ELEVATIONS FOR ADDITIONAL INFORMATION ON DEVICE LOCATIONS PRIOR TO ROUGH-IN.
- IF ANY BOXES LEFT EMPTY (BLANK), ADD A AND ANTI-VENDAL RESISTANCE BLANK PLATE IN DAY ROOMS, DORMS, RECREATIONAL ROOMS, AND ALL OTHER INMATES ACCESSIBLE AREAS UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE, ALL NEW DEVICES SHALL BE INSTALLED FLUSH IN WALL.
- ALL PENETRATIONS THROUGH CEILINGS ARE TO BE FIRESTOPPED TO MAINTAIN ONE HOUR FIRE RATING OR MORE AS INDICATED ON THE ARCHITECTURAL PLANS.
- SECURITY DEVICES: REFER TO SECURITY DRAWINGS FOR DEVICE LAYOUT AND INFORMATION.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHT OF VIDEO VISITATION STATION AND TELEVISION.
- MOUNT ALL EXTERIOR RECEPTACLES AT +2' AFG, UNDO.

GENERAL NOTES - LIGHTING

- REFER TO SHEET E-001 FOR ELECTRICAL SYMBOLS AND ADDITIONAL GENERAL NOTES.
- REFER TO SPECIFICATION SECTION 260519 FOR MINIMUM CONDUCTOR SIZE REQUIRED BASED ON TOTAL CIRCUIT DISTANCE.
- CONNECT ALL EXIT AND EGRESS LIGHTING WITH A MINIMUM OF #10AWG UNLESS NOTED OTHERWISE.
- PROVIDE ALL OCCUPANCY/VACANCY SENSOR, POWER PACKS, AND ADDITIONAL RELAYS, ETC. AS REQUIRED FOR FULL COVERAGE OF ROOMS/AREAS INDICATED TO HAVE SUCH CONTROL.
- REFER TO LIGHTING CONTROL SCHEDULES AND SCHEMATICS LOCATED ON E600 SERIES DRAWINGS FOR ADDITIONAL INFORMATION CONCERNING CONTROL, CIRCUITING, ETC. OF LIGHTING IN THIS AREA.
- BOTTOM OF ALL SUSPENDED MOUNT LIGHT FIXTURES SHALL BE AT -9'-6" ABOVE FINISHED FLOOR LEVEL UNLESS NOTED OTHERWISE.
- WALL MOUNTED EXIT LIGHTS SHALL BE MOUNTED AT LEAST 1'-0" ABOVE EXIT OPENING UNLESS NOTED OTHERWISE. CONTRACTOR TO VERIFY HEIGHT OF EXIT OPENING PRIOR TO ROUGH-IN.
- ALL OCCUPANCY SENSOR SHALL BE DUAL TECHNOLOGY (PASSIVE INFRARED AND ULTRASONIC) UNLESS NOTED OTHERWISE.
- SCHEDULE A MEETING WITH THE OWNER PRIOR TO PROGRAMMING OF LIGHTING CONTROL DEVICES TO DETERMINE DESIRED CONTROL, TIME DELAY SETTINGS, OCCUPANCY, ETC.
- LIGHT FIXTURES SHOWN IN THE CELLS ARE FOR REFERENCE ONLY. THE CELLS ARE MODULAR AND ARE PROVIDED COMPLETELY FURNISHED, INCLUDING LIGHT FIXTURES WIRED TO A JUNCTION BOX OUTSIDE THE BACK OF THE UNIT. THIS CONTRACTOR SHALL CONNECT AND MAKE OPERATIONAL ALL LIGHTING FIXTURES.
- ALL LIGHTING CIRCUITS IN INMATE AREAS SHALL BE CONTROLLED VIA LIGHTING RELAY PANEL LOCATED IN SECURITY ELECTRONICS ROOM. ALL LIGHTING CIRCUITS INDICATED AS REQUIRING INDIVIDUAL CONTROL, ALL LIGHTING AND CIRCUITS INDICATED ON THE SECURITY DRAWING. ALL INMATE CELLS, ALL INMATE COMMON AREAS, ALL INMATE PRIVATE AREAS, HOLDING CELLS, INDIVIDUAL INTERVIEW ROOMS, INDIVIDUAL VISITATION ROOMS, SALLY PORTS AND SECURE CORRIDORS SHALL BE WIRED THROUGH THE CONTROL SYSTEM FOR INDIVIDUAL CONTROLS VIA THE SECURITY SYSTEM, UNLESS NOTED OTHERWISE.
- ALL CONDUITS ROUTED IN OR THROUGH INMATE OCCUPIED AREAS SHALL BE CONCEALED.
- EC SHALL COORDINATE WITH SECURITY INTEGRATOR AND PROVIDE ALL NECESSARY CABLING REQUIRED FOR INTERFACING OF MOTORIZED PANELS WITH SECURITY SYSTEM.

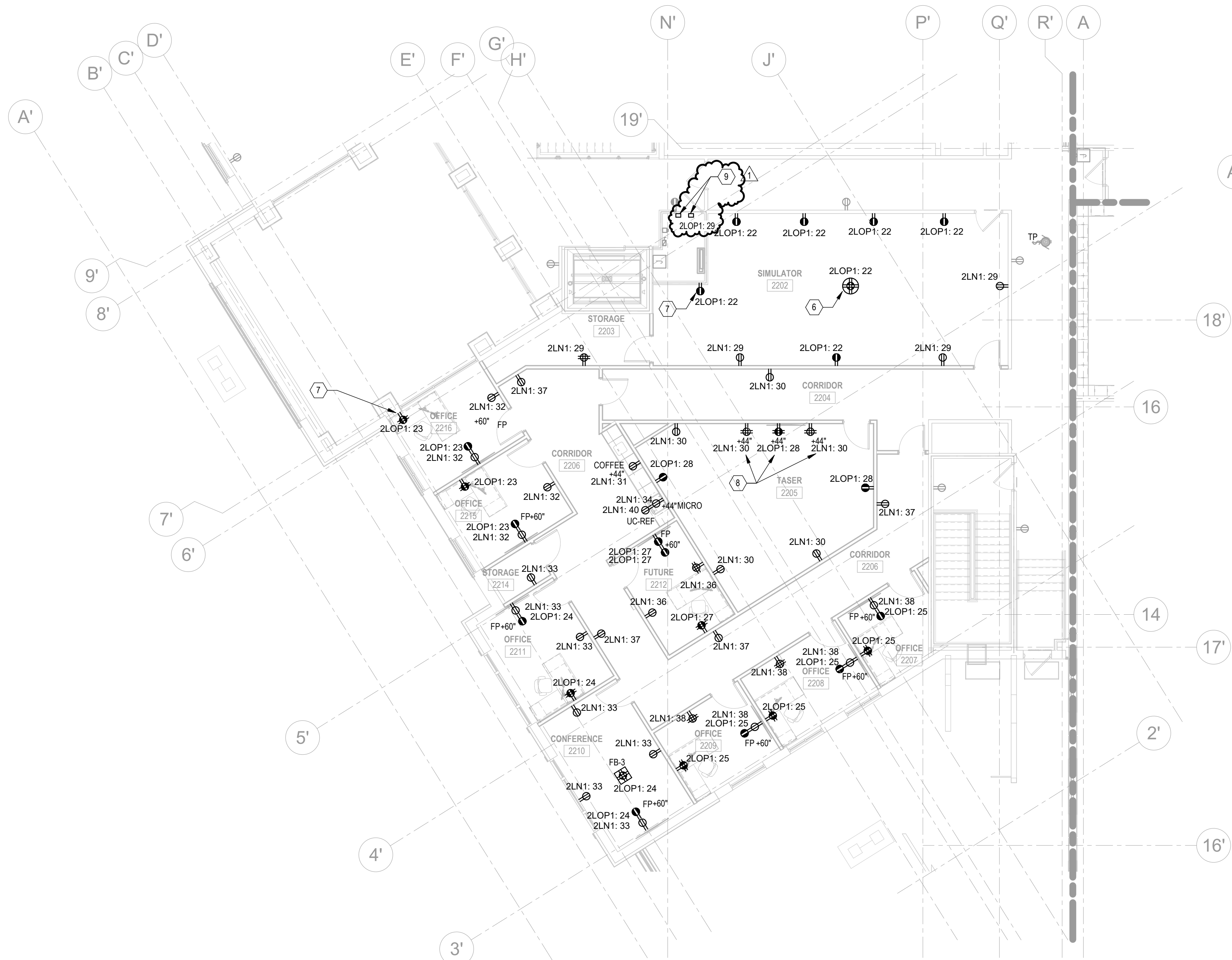
PLAN NOTES

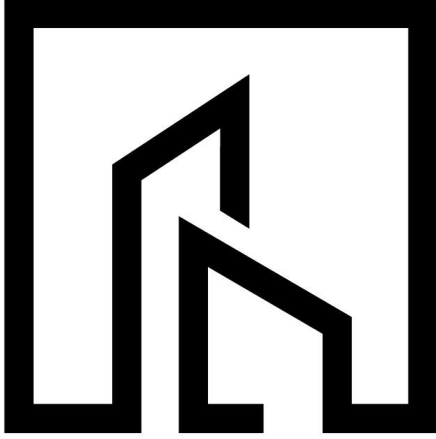
#	NOTE
1	CONNECT ALL NORMAL POWER LIGHT FIXTURES IN THIS AREA TO 277V, 20A, 1P CIRCUIT INDICATED.
2	CONNECT ALL SWITCHED EMERGENCY POWER LIGHT FIXTURES (FULLY SHADED) IN THIS AREA TO 277V, 20A, 1P CIRCUIT INDICATED.
3	CONNECT ALL NON SWITCHED EMERGENCY EGRESS LIGHT FIXTURES (HALF SHADED) IN THIS AREA TO 277V, 20A, 1P CIRCUIT INDICATED.
4	CONNECT EXIT SIGNS TO 20A, 1P, 277V UNSWITCHED EMERGENCY SYSTEM CIRCUIT THEM 1-41 UNLESS NOTED OTHERWISE.
5	WALL MOUNTED OCCUPANCY SENSOR SHALL BE MOUNTED AT SUITABLE ELEVATION AS RECOMMENDED BY SENSOR MANUFACTURER. SENSOR SHALL NOT INCLUDE SWITCH, OCCUPANCY SENSOR ONLY.
6	COORDINATE FINAL LOCATION OF CEILING QUAD OUTLET WITH PLACEMENT OF CEILING PROJECTOR.
7	ROUTE NEW POWER AND DATA DOWN EXISTING WALL PATCH AND SEAL WALL AS REQUIRED TO MATCH EXISTING AND MEETING WALL RATING.
8	ROUTE NEW POWER AND DATA DOWN EXISTING WALL PATCH AND SEAL WALL AS REQUIRED TO MATCH EXISTING AND MEETING WALL RATING.
9	PROVIDE NEW 120V TO 24V TRANSFORMERS AS REQUIRED ABOVE DOOR OF MACHINE ROOM FOR VAV BOX CONTROL.

LIGHTING CONTROL INTENT SCHEDULE

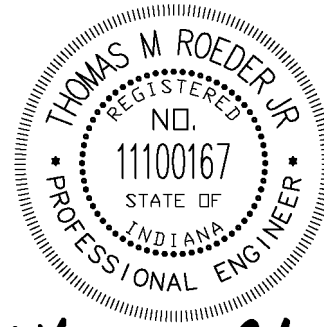
SPACE TYPE	DESCRIPTION
OFFICES CONFERENCE ROOMS TRAINING	LIGHTING IN THIS SPACE SHALL OPERATE AS MANUAL ON, MANUAL OR AUTO OFF. USER SHALL HAVE ON, OFF, RAISE, AND LOWER MANUAL OVERRIDE BUTTONS AT WALL CONTROLS.
NON-CORRECTIONAL CORRIDORS	LIGHTING IN THIS ROOM SHALL OPERATE AS AUTO ON/ AUTO OFF. NO MANUAL CONTROL.
BREAKROOMS LOCKER ROOMS RESTROOMS STORAGE JANITOR CLOSETS	LIGHTING IN THIS ROOM SHALL OPERATE AS AUTO ON/ AUTO OFF. CONTROL VIA MANUAL ON/OFF SWITCH AT WALL OR AUTO ON/OFF VIA OCCUPANCY SENSOR.

NOTE: ROOMSPACE CONTROL OPERATION SHALL NOT DEPEND ON "LAST STATE" USER INPUT FOR HOW IT WILL OPERATE DAY TO DAY. REGARDLESS IF THE ROOMSPACE HAS BEEN SHUT OFF AUTOMATICALLY OR MANUALLY, AFTER ROOM SENSORS HAVE DETECTED NO OCCUPANTS FOR A PRESET TIME DELAY THEN THE ROOM CONTROLS SHALL REVERT BACK AND OPERATE AS DESCRIBED ABOVE.





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MEP DESIGN SERVICES
BIM COORDINATION
OWNERS REPRESENTATIVE

100% CONSTRUCTION DRAWINGS
HENDRICKS COUNTY BOARD OF COMMISSIONERS
HENDRICKS COUNTY SHERIFF'S OFFICE & JAIL
- SECOND FLOOR BUILD-OUT
189 East Campus Blvd., Danville, IN 46122

#	Revision	Date
1	Addendum #2	08/06/2026

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Project Number: 07-2026-006
Designed By: AMM
Drawn By: AMM
Checked By: T.R.
DATE: 8/6/2026 3:44:52 PM

SECOND FLOOR PLAN - SYSTEMS
PLAN

E320

GENERAL NOTES - TELECOM

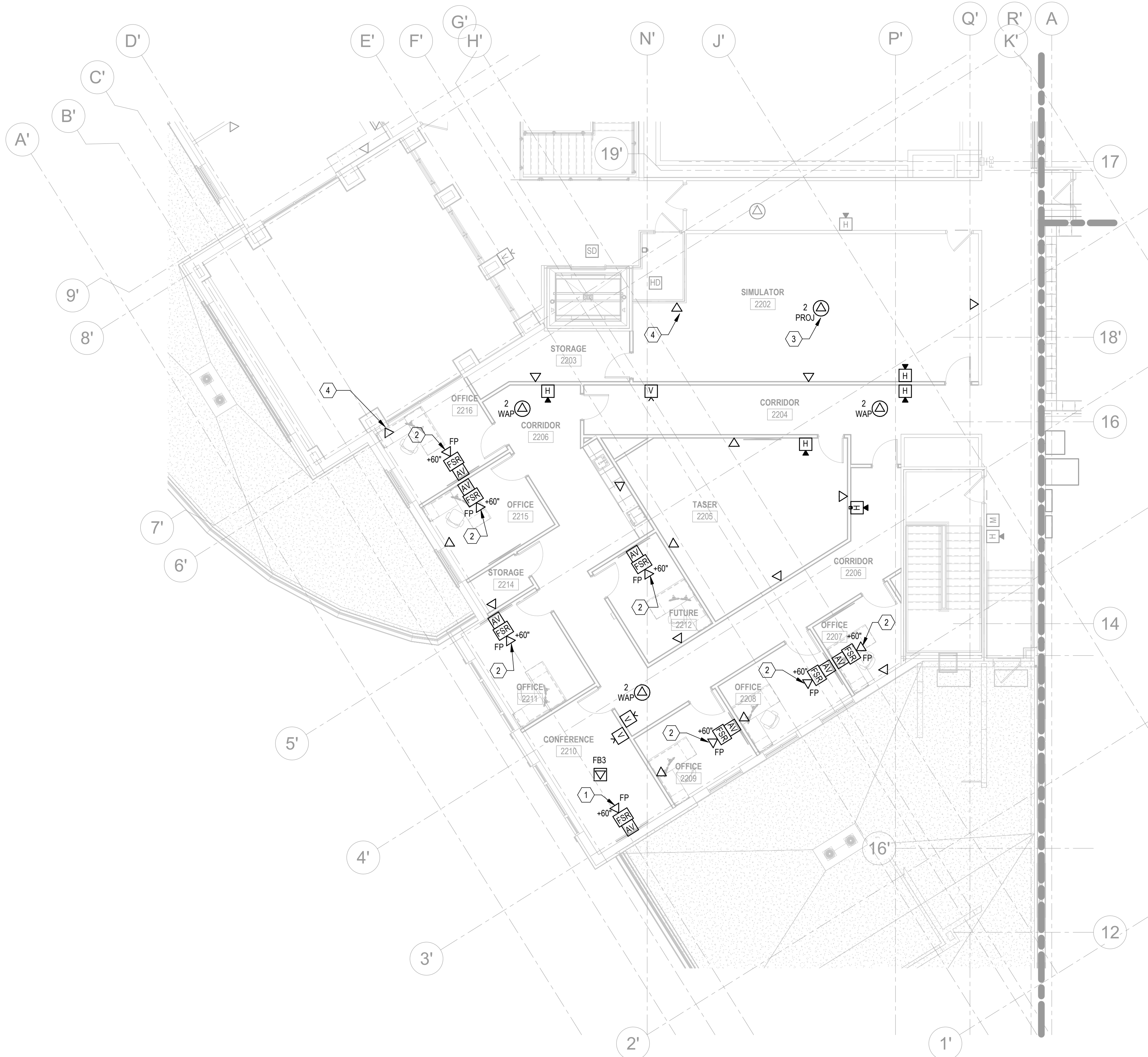
- REFER TO SHEET E-001 FOR ELECTRICAL SYMBOLS AND ADDITIONAL GENERAL NOTES.
- REFER TO "P" SERIES SHEETS FOR LOCATION AND QUANTITY OF FLOW SWITCHES, TAMPER SWITCHES, AND FIRE PROTECTION MONITORING/ACTUATING DEVICES.
- THE FIRE ALARM PLANS ARE INTENDED TO DEPICT THE GENERAL PERFORMANCE OF THE SYSTEM. THE FIRE ALARM VENDOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE DESIGN PER EQUIPMENT LIMITATIONS. PROVIDE ALL NECESSARY EQUIPMENT, DEVICES, WIRING, ETC. AS REQUIRED FOR A COMPLETE AND CODE COMPLIANT FIRE ALARM SYSTEM.
- DO NOT LOCATE ANY DETECTION DEVICES WITHIN 3 FEET OF AN AIR DIFFUSER.
- DO NOT ADJUST LOCATIONS OF DEVICES IN THE FIELD WITHOUT CONSULTING ROAW OR FIRE ALARM VENDOR.
- ALL CONDUITS SHALL BE EXTEND FROM NON-ACCESSIBLE CEILING / SECURE CEILING TO ACCESSIBLE CEILING.
- A VISUAL INDICATOR SHALL BE PROVIDED FOR ALL INITIATING DEVICES LOCATED OUTSIDE OF NORMAL VIEWING.
- REFER TO ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATIONS OF FIRE AND SMOKE PARTITIONS.
- COORDINATE WITH SECURITY CONTRACTOR, SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL SCOPE.
- PROVIDE RACEWAYS: REFER TO SECURITY SYSTEM DRAWINGS. PROVIDE CONDUIT TO SERVE ALL CABLING FROM DEVICE / DEVICE ROUGH-IN, TO SECURITY ELECTRONICS ROOM AND AS INDICATED ON SECURITY SYSTEM RISER DIAGRAM. PROVIDE AND INSTALL ALL CABLING AS DESCRIBED ON THE SECURITY DRAWINGS. INSTALL ALL DEVICES AS DESCRIBED BY SECURITY DRAWINGS.
- ALL SYSTEMS CABLES SHALL BE ROUTED IN CONDUIT OR RACEWAYS WHERE EXPOSED AND WHERE NOT ACCESSIBLE. CABLES MAY BE ROUTED IN U HOOKS AND CABLE TRAY ABOVE ACCESSIBLE CEILINGS IN ADMINISTRATIVE AREAS AND IN U HOOKS AND CABLE TRAY ABOVE ACCESSIBLE SECURE CEILINGS IN INMATE AREAS.
- ALL LIFE SAFETY DEVICES SHALL BE MOUNTED ON FACE OF COLUMNS (NOT BEHIND THE COLUMN). PROVIDE UNI-STRUT AND CLAMPS IF NECESSARY, TO MOUNT DEVICES AT THE REQUIRED HEIGHT.
- SECURITY INTEGRATOR SHALL BE RESPONSIBLE FOR COMPLETE INTERFACING OF ALL MOTORIZED PANELS WITH SECURITY SYSTEM.
- COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHT OF VIDEO VISITATION STATION, TELEVISION AND TELEPHONE.

KEYNOTES

Key	NOTE
1	SEE DETAIL 6502 FOR LOW VOLTAGE SYSTEM INFORMATION.
2	SEE DETAIL 7500 FOR LOW VOLTAGE SYSTEM INFORMATION.
3	COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND MOUNTING HEIGHT OF VIDEO VISITATION STATION, TELEVISION AND TELEPHONE.
4	ROUTE NEW POWER AND DATA DOWN EXISTING WALL. PATCH AND SEAL WALL AS REQUIRED TO MATCH EXISTING AND MEETING WALL RATING.

ELECTRICAL FLOORBOX SCHEDULE

Designation	Type	Systems	Duplex Quantity	Conduits	Manufacturer	Model	Comments
FB3	POKE THRU	POWER DATA AV	2	(1) 1" C (1) 1-1/4" C (1) 2" C	WIREMOLD	BAT	



1 SECOND FLOOR PLAN - UNIT A&B - SYSTEMS

1/8" = 1'-0"

