



ADDENDUM No. 5

Date: February 13, 2026

Project: 221 State Street Building Renovations
Augusta, Maine

This addendum is issued prior to receipt of the bids and does hereby become a part of the contract documents, and in case of conflict, it shall supersede original project manual and drawings.

Each bidder shall be responsible for issuing information contained herein to sub-contractors and suppliers to ensure that their proposal covers all work required by the contract documents including this addendum.

NOTICE

Access will be provided to the 221 State Street building on Wednesday, February 18 from 8:00 to 9:00 am

GENERAL

Civil

1. Q. Re: the abandoned underground tank that involves the sewer manhole. Is it fiberglass or steel?
On print CS102 keynote 31 states it's steel and 4/C-504 says it's fiberglass
- A. Fiberglass.

Structural

1. Q. Can you please verify that the listed seismic parameter SS being .318 indicated that per ASCE 37 seismic loading is not required on shoring and will not be otherwise required by the engineer or AH?
- A. Per ASCE 37 seismic loading is not required on shoring.

2. Q. Keynote 1 on SF201 says (2) ½" diameter steel dowels. Each end. Does this mean 1 at each end of joist for a total of 2 per joist, or does it mean 2 at each end for a total of 4 per joist?
A. Should just be 1 rod at each end for a total of 2 per joist.
3. Q. Keynote 2 on SF103 says horizontal bridging is 3/16" and refers to detail 2/SF501. Detail 2/SF501 shows it as 1/8". Which is correct?
A. 3/16" is correct.
4. Q. There appears to be some confusion regarding the floor grating. We are told the grating that is listed in the general notes is used for vehicular traffic. Could you please confirm the grating specs.
A. Bearing bar thickness can be reduced to 1/8". Steel grating is not intended for vehicular traffic.

Architectural

1. Q. There appears to be a discrepancy between the hazardous material quantities in the report contained in addendum #2 vs the quantities shown on the hazardous material schedule on AD drawings revised in addendum #3. Please advise which set of quantities take precedent.
A. The ACM quantities identified on the drawings take precedent over the quantities provided in the Addendum 2 Reports
2. Q. Please advise if the windows in the Stairs, Utility closets, Entry sidelights (C12 and C13), Vestibules are to receive shades.
A. The questioned rooms are not to receive widow shades. Provide shades where indicated.
3. Q. Are all concrete repairs specified in 030130 handled under allowance #003?
A. No, only concrete wall foundation spall repairs are included in allowance #003- See Allowances- Unit Prices Schedule on Sheet G-002.
4. Q. The project has a requirement to temporary protect the roof during construction. Is this necessary seeing that we are demoing the entire structure except the bar joists and exterior walls? Please clarify the intent for this requirement
A. Yes temporary roof covering weather protection is required.
5. Q. Is the contractor required to perform all special inspections and materials testing? Concrete, Masonry, Soils, Paving, Structural Steel, etc.?
A. The Owner will pay for all special inspections and materials testing.
6. Q. Are background checks necessary for the project considering it is not an occupied building?
A. Yes, they are mandatory.

7. Q. Please clarify as shown on AE740 detail 3, 5 etc where the countertops are called out as both particleboard and solid surface. Please specify:
- A. Countertops in the following rooms should be plastic laminate, Formica's White Drops 8824-58 per detail 3/AE542:
- Police Reception 102
 - Printer Alcove 129A
 - Print/Supplies 213
 - Work Room 234
 - Work Room 304
 - Print/Supplies 313
 - Work Room 328
8. Q. The storefront system is identified as front glaze in the specification 084113, Section 2.3.B.4, however details shown in the architectural drawings (e.g. 7/AE503, 8/AE505, and AE604) show center glaze. Please confirm which system is to be quoted, front or center glaze.
- A. The storefront system is front glazed as specified.
9. Q. There appears to be some kind of insulation/asphalt paper suspended on wires of some kind below the concrete floor? Nothing indicates that this exists or if it needs to be removed. Please clarify what this is, if it needs to be removed and if it hazardous material
- A. That is part of the draped mesh slab, it is integral with the slab.
10. Q. Various AE001 Wall Types call for "Acoustical Batt Insul" at walls. Spec Section 072100 only includes Mineral Wool Blanket but Spec Section 092900 does not definitively indicate whether mineral wool or glass fiber acoustical batt is acceptable in interior partitions. Please clarify.
- A. Fiberglass Acoustical Batt Insulation is acceptable at non-fire resistance rated interior partitions.
11. Q. Detail 1/AE001 shows 2-1/2" deflection track at LGMF. Please confirm that 2" deflection track per Spec Section 092216 is acceptable
- A. Yes, 2" deflection track is acceptable.
12. Q. What is the size of the existing steel headers we have to drill to install the window openings blocking?
- A. C channels approximately 10-12", varies.
13. Q. The AD drawings are showing the wall rails to be removed and the center railing to remain. Drawing AE422 Keynote 1 points to both the wall & interior railings on the enlarged plans. The Stair Sec ons seem to indicate the interior railings remain and the wall rails are new and the only work on the interior railing is is gets painted and adds new mesh panels?
- A. Correct, the interior guardrails are to remain with new mesh panels and added steel handrails. The existing wall mounted handrails are to be removed and new handrails provided. Keynote 1 is pointing to the new handrail to be provided at the existing guardrail to remain-see detail 14/AE425.

Electrical

1. Q. Our subcontractor asked us the following question regarding the EP101 Mechanical room: Will mechanical wiring connections to GHP1 and GHP2 and FACU need MI cable (2 hour rated) branch circuits?
 - A. Yes, GHP1, GHP2, and the FACU will require MI cable (2 hour rated) branch circuits. Branch circuits fed from Panels COPS-L and COPS-H that are located outside of the DCOA (area indicated on EP101), will require MI cable branch circuits. Refer to NEC 708.10(D)(1)
2. Q. ET101 Note 16 states wiring within COPS to be in Rigid. We believe once in the COPS zone rigid is not required. 708.10 D (2)
 - A. NEC 708.10(D) applies to branch circuit wiring only, and not communications wiring. HVAC, fire alarm, security, emergency communications, and signaling systems are required to be installed in rigid conduit per NEC 708.14

SPECIFICATIONS

1. SECTION 013200 – CONSTRUCTION PROGRESS DOCUMENTATION:
 - A. **REPLACE** entire section with SECTION 013200 included with this Addendum 5 (**attached**).
2. SECTION 028200 – ASBESTOS REMEDIATION:
 - A. Paragraph 1.4 Submittals: **ADD** Paragraph 1.4.A, as follows:
 - A. The Subcontractor shall provide the following information if applicable, during the mitigation work:
 1. Results of air monitoring from the previous 24-hour period.
 2. Differential air pressure readings for each containment area.
 3. Signed manifests or waste shipment records.
 4. Job progress reports detailing the mitigation activities, including a review of progress with respect to previously established schedules, problems, and actions taken injury reports, and equipment breakdowns, if applicable.
 5. Copies of worksite entry logs showing the name, date and time for worker and visitor access to the work area.
 6. Logs documenting filter changes on respirators, HEPA vacuums, negative pressure ventilation units, and other engineering controls.
 - B. At the completion of the project. The Subcontractor shall submit the following:
 1. The Subcontractor’s report detailing the work that was completed and the procedures that were used.
 2. Subcontractor’s air sampler’s report summarizing the results of all exposure monitoring that occurred.
 3. A complete set of the Subcontractor’s daily logs and waste manifests or waste shipment records.
 - C. At the completion of the project, The Subcontractor shall submit the report(s) detailing the work that was completed to be included as part of the “as built drawings.”

3. SECTION 028300 – LEAD, CHROMIUM, AND CADMIUM REMEDIATION:

A. Paragraph 1.4 Submittals: **ADD** Paragraph 1.4.A, as follows:

- A. The Subcontractor shall provide the following information if applicable, during the mitigation work:
1. Results of air monitoring from the previous 24-hour period.
 2. Differential air pressure readings for each containment area.
 3. Signed manifests or waste shipment records.
 4. Job progress reports detailing the mitigation activities, including a review of progress with respect to previously established schedules, problems, and actions taken injury reports, and equipment breakdowns, if applicable.
 5. Copies of worksite entry logs showing the name, date and time for worker and visitor access to the work area.
 6. Logs documenting filter changes on respirators, HEPA vacuums, negative pressure ventilation units, and other engineering controls.
- B. At the completion of the Mitigation Work the Subcontractor shall submit the following:
1. The Subcontractor's report detailing the work that was completed and the procedures that were used.
 2. Subcontractor's air sampler's report summarizing the results of all exposure monitoring that occurred.
 3. A complete set of the Subcontractor's daily logs and waste manifests or waste shipment records.
- C. At the completion of the project, The Subcontractor shall submit the report(s) detailing the work that was completed to be included as part of the "as built drawings."

4. SECTION 028400 – PCB REMEDIATION:

A. Paragraph 1.4 Submittals: **ADD** Paragraph 1.4.A, as follows:

- A. The Subcontractor shall provide the following information if applicable, during the mitigation work:
1. Results of air monitoring from the previous 24-hour period.
 2. Differential air pressure readings for each containment area.
 3. Signed manifests or waste shipment records.
 4. Job progress reports detailing the mitigation activities, including a review of progress with respect to previously established schedules, problems, and actions taken injury reports, and equipment breakdowns, if applicable.
 5. Copies of worksite entry logs showing the name, date and time for worker and visitor access to the work area.
 6. Logs documenting filter changes on respirators, HEPA vacuums, negative pressure ventilation units, and other engineering controls.
- B. At the completion of the Mitigation Work the Subcontractor shall submit the following:
1. The Subcontractor's report detailing the work that was completed and the procedures that were used.
 2. Subcontractor's air sampler's report summarizing the results of all exposure monitoring that occurred.
 3. A complete set of the Subcontractor's daily logs and waste manifests or waste shipment records.
- C. At the completion of the project, The Subcontractor shall submit the report(s)

detailing the work that was completed to be included as part of the “as built drawings.”

5. SECTION 028416- HANDLING OF LIGHTING BALLASTS AND LAMPS CONTAINING PCB’s AND MERCURY:

A. Paragraph 1.4 Submittals: **ADD** Paragraph 1.4.A, as follows:

A. The Subcontractor shall provide the following information if applicable, during the mitigation work:

1. Signed manifests or waste shipment records.

B. At the completion of the Mitigation Work the Subcontractor shall submit the following:

1. The Subcontractor’s report detailing the work that was completed and the procedures that were used.

2. A complete set of the Subcontractor’s daily logs and waste manifests or waste shipment records.

C. At the completion of the project, The Subcontractor shall submit the report(s) detailing the work that was completed to be included as part of the “as built drawings.”

6. SECTION 083113 ACCESS DOORS AND FRAMES:

A. Paragraph 1.1.A: **ADD** Paragraph 1.1.A.3 as follows:

“3. Provide 10 flush access doors and 5 one hour fire rated flush access doors, 18” x 18”- locations to be field determined.”

B. Paragraph 2.2.A.3: **ADD:** “Locations to be field determined.”

C. Paragraph 2.2.A.4: **REPLACE** “Door Size: As indicated on drawings” with “Door Size: 18” x 18”.

D. Paragraph 2.3.A.4: **ADD:** “Locations to be field determined.”

E. Paragraph 2.3.A.5: **REPLACE** “Door Size: As indicated on drawings” with “Door Size: 18” x 18”.

7. SECTION 105113 METAL LOCKERS:

A. Paragraph 1.1.A.2: **DELETE.**

B. Paragraph 2.6 LOCKER BENCHES: **DELETE** Locker Benches paragraph in its entirety.

C. Paragraph 3.2.E: **DELETE.**

8. SECTION 260523 CONTROL-VOLTAGE ELECTRICAL POWER CABLES:

A. Paragraph 1.1.A.1: **REPLACE** paragraph with, “1. Category 6 balanced twisted pair cable.”

B. Paragraph 2.2: **REPLACE** header with, “CATEGORY 6 BALANCED TWISTED PAIR CABLE”.

C. Paragraph 2.2.A: **REPLACE** with, “Description: Four-pair, balanced-twisted pair cable, certified to meet transmission characteristics of Category 6 cable at frequencies up to 250 MHz.”

D. Paragraph 2.2.C: **REPLACE** with “Standard: Comply with NEMA WC 66/ICEA S-116-732 and TIA-568-C.2 for Category 6 cables.”

E. Paragraph 2.3.C.1: **REPLACE** with “Comply with performance requirements of Category 6.”

F. Paragraph 2.3.I.3.a: **REPLACE** with “Category 6, unshielded balanced twisted pair cable

must comply with IEC 60603-7-4.”

9. SECTION 265000 LIGHTING:

- A. Paragraph 2.2.C.4.d: **DELETE**.
- B. Paragraph 2.2.C.4.e: **DELETE**.

10. SECTION 27000 COMMUNICATIONS

- A. **ADD** Specification 270000 COMMUNICATIONS in its entirety (**attached**).

11. SECTION 271513 COMMUNICATIONS COPPER HORIZONTAL CABLING:

- A. Paragraph 1.1.A.1: **REPLACE** with “1. Category 6 twisted pair cable.”
- B. Paragraph 2.3: **REPLACE** header with “CATEGORY 6 TWISTED PAIR CABLE”.
- C. Paragraph 2.3.A: **REPLACE** with “Description: Four-pair, balanced-twisted pair cable, certified to meet transmission characteristics of Category 6 cable at frequencies up to 250 MHz.”
- D. Paragraph 2.4.C.1: **REPLACE** with “Comply with the performance requirements of Category 6.”
- E. Paragraph 2.4.E.1: **REPLACE** with “110-style IDC for Category 6.”

DRAWINGS (all referenced **REVISED** drawings below are included/attached)

CIVIL

- 1. Sheet C-002:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.

STRUCTURAL

- 1. Sheet S-001:
 - a. **GRATING**: **CHANGE** bearing bar thickness from “1/4” to “1/8”.
- 2. Sheet SF-201:
 - a. **KEYNOTES**: Keynotes 1: **DELETE** “(2)”.

ARCHITECTURAL

- 1. Sheet AD002:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
- 2. Sheet AD003:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
- 3. Sheet AD004:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
- 4. Sheet AD005:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
- 5. Sheet AD120:
 - a. Roof Plan 1/AD120: **CHANGE** Keynote “13” at existing rooftop piping at main building roof adjacent to connector to Keynote “12”.

6. Sheet AE102:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
7. Sheet AE401:
 - a. Detail 7/AE401: **ADD** note: "5. INSTALL BACKERBOARD AT 3'-0" TO 7'-0" AFF."
8. Sheet AE441:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM
 - b. Locker room benches are not in contract. They will be purchased through an FF&E package. See details 1/AE441, 6/AE441 and 8/AE441.
9. Sheet AE442:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM
 - b. Remove waste receptacle in rooms 101A, 210 and 211. See details 1/AE442, 5/AE442 and 10/AE442.
10. Sheet AE601:
 - a. DOOR SCHEDULE: **DELETE** Door 123, including frame and hardware.
11. Sheet AE641:
 - a. ROOM FINISH SCHEDULE: **DELETE** room STOR 123, this space has become part of and has the same finishes as SECURITY 143.
12. Sheet AE702:
 - a. CEILING PLAN 1/AE702: **DELETE** acoustical tile ceiling at room STOR 123, this space has become part of SECURITY 143 and shall have painted exposed structure.
13. Sheet AE803:
 - a. Replace straight desks with L-shaped desks plan south of room IDF-B 318. Workstations Not in contract.

PLUMBING

1. Sheet P-102:
 - a. **REVISE** Keynote 7 to read as "Not Used."
 - b. **DELETE** Keynote 7 from S-2 sink in Armory 124.
2. Sheet P-501:
 - a. Electric Hybrid Water Heater Piping Schematic 4/P-501: CHANGE recirculation pump equipment tag to read as RP-1.

MECHANICAL

1. Sheet MP101:
 - a. **ADD** Keynote 18 to read as follows: "COORDINATE REFRIGERANT AND CONDENSATE DRAIN PIPING PATHS WITH ELECTRICAL POWER PANEL ON OPPOSITE SIDE OF WALL."
 - b. **ADD** Keynote 18 to plan at AC 1-1 located in MDF 142.
2. Sheet M-502:
 - a. Air Handling Unit Hot/Chilled Water Coil Piping Schematic 9/M-502: CHANGE three-way valve bypass leg balancing valve flow tags to be 45 gpm for both glycol cooling and glycol heating operations.
 - b. Plate Heat Exchanger Piping Detail 10/M-501: CHANGE three-way valve bypass leg balancing valve flow tags to be 25 gpm for both glycol cooling and glycol heating operations.

3. Sheet M-601:
 - a. Fan Coil Unit Schedule: ADD schedule note 5 for 3-way valve to the following unit: 1-12, 1-13, 2-10, 2-22, 3-6, 3-9, 3-23.
4. Sheet M-602:
 - a. Hot Water Boiler Schedule: **CHANGE** the header of column 7 to read as "LWT °F".
5. Sheet M-701:
 - a. **REVISE SHEET: INCLUDED IN THIS ADDENDUM.**
 - b. Control Valve Schedule:
 - i. **CHANGE** Chilled Water Supply Valve GPM to "88.9", and Hot Water Supply Valve GPM to "131.6".
 - ii. **CHANGE** DOAS Heating Coil Valve flow rate to 58 gpm.
 - iii. **ADD** FCU Cooling Coil Valve (2-way) and FCU Heating Coil Valve (2-way) quantities of "55".
 - iv. **CHANGE** FCU Cooling Coil Valve (3-way) and FCU Heating Coil Valve (3-way) quantities to "11".
 - v. **REVISE** FCU Cooling Coil Valve (3-way) and FCU Heating Coil Valve (3-way) list of equipment served.
 - vi. **REVISE** CAV Reheat Coil list of equipment served.
 - vii. **ADD** Panel Radiator quantity of "6".
 - viii. **CHANGE** Cabinet Unit Heater quantity to "5".
 - ix. **ADD** Line for Cabinet Unit Heater (3-way) to schedule.
6. Sheet M-702:
 - a. **REVISE SHEET: INCLUDED IN THIS ADDENDUM.**
 - b. Heating and Cooling Water Control Diagram 1/M-702: In the Points List, **CHANGE** Boiler Bypass Valve from a Binary Output to an Analog Output for valve modulation control.
 - c. Heating and Cooling Water Control Diagram 1/M-702: **CHANGE** Sequence of Operations as highlighted on attached drawing.

ELECTRICAL

1. Sheet E-001:
 - a. **REVISE SHEET: INCLUDED IN THIS ADDENDUM.**
2. Sheet EP101:
 - a. **REVISE SHEET: INCLUDED IN THIS ADDENDUM.**
3. Sheet EP102:
 - a. **REVISE SHEET: INCLUDED IN THIS ADDENDUM.**
4. Sheet EP103:
 - a. **REVISE SHEET: INCLUDED IN THIS ADDENDUM.**
5. Sheet EP501:
 - a. **REVISE SHEET: INCLUDED IN THIS ADDENDUM.**
6. Sheet EP502:
 - a. **REVISE SHEET: INCLUDED IN THIS ADDENDUM.**
7. Sheet EP601:
 - a. **REVISE SHEET: INCLUDED IN THIS ADDENDUM.**

8. Sheet EP602:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
9. Sheet EL101:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
10. Sheet ET101:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
11. Sheet ET102:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
12. Sheet ET103:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
13. Sheet ET501:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
14. Sheet ET502:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.
15. Sheet FA101:
 - a. **REVISE SHEET**: INCLUDED IN THIS ADDENDUM.

END OF ADDENDUM NO. 5

SECTION 013200 - CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
1. Startup construction schedule.
 2. Contractor's Construction Schedule.
 3. Construction schedule updating reports.
 4. Daily construction reports.
 5. Material location reports.
 6. Site condition reports.
 7. Unusual event reports.
- B. Related Requirements:
1. Section 012900 "Payment Procedures" for schedule of values and requirements for use of cost-loaded schedule for Applications for Payment.
 2. Section 014000 "Quality Requirements" for schedule of tests and inspections.

1.2 DEFINITIONS

- A. Activity: A discrete part of a project that can be identified for planning, scheduling, monitoring, and controlling the construction Project. Activities included in a construction schedule consume time and resources.
1. Critical Activity: An activity on the critical path that must start and finish on the planned early start and finish times.
 2. Predecessor Activity: An activity that precedes another activity in the network.
 3. Successor Activity: An activity that follows another activity in the network.
- B. Cost Loading: The allocation of the schedule of values for completing an activity as scheduled. The sum of costs for all activities must equal the total Contract Sum.
- C. CPM: Critical path method, which is a method of planning and scheduling a construction project where activities are arranged based on activity relationships. Network calculations determine the critical path of Project and when activities can be performed.
- D. Critical Path: The longest connected chain of interdependent activities through the network schedule that establishes the minimum overall Project duration and contains no float.
- E. Event: The starting or ending point of an activity.
- F. Float: The measure of leeway in starting and completing an activity.

1. Float time is not for the exclusive use or benefit of either Owner or Contractor, but is a jointly owned, expiring Project resource available to both parties as needed to meet schedule milestones and Contract completion date.
 2. Free float is the amount of time an activity can be delayed without adversely affecting the early start of the successor activity.
 3. Total float is the measure of leeway in starting or completing an activity without adversely affecting the planned Project completion date.
- G. Resource Loading: The allocation of labor and equipment necessary for completing an activity as scheduled.

1.3 INFORMATIONAL SUBMITTALS

- A. Submittals shall comply with the requirements of Section 013300 "Submittal Procedures" and the individual sections specifying the work.
- B. Format for Submittals: Submit required submittals in the following format:
1. Working electronic copy of schedule file.
 2. PDF file.
- C. Startup construction schedule.
1. Submittal of cost-loaded startup construction schedule will not constitute approval of schedule of values for cost-loaded activities.
- D. Startup Network Diagram: Of size required to display entire network for entire construction period. Show logic ties for activities.
- E. Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.
1. Submit a working digital copy of schedule, using software indicated, and labeled to comply with requirements for submittals.
- F. CPM Reports: Concurrent with CPM schedule, submit each of the following reports. Format for each activity in reports to contain activity number, activity description, cost and resource loading, original duration, remaining duration, early start date, early finish date, late start date, late finish date, and total float in calendar days.
1. Activity Report: List of activities sorted by activity number and then early start date, or actual start date if known.
 2. Logic Report: List of preceding and succeeding activities for each activity, sorted in ascending order by activity number and then by early start date, or actual start date if known.
 3. Total Float Report: List of activities sorted in ascending order of total float.
 4. Earnings Report: Compilation of Contractor's total earnings from the Notice to Proceed until most recent Application for Payment.
- G. Construction Schedule Updating Reports: Submit with Applications for Payment.

- H. Daily Construction Reports: Submit at weekly intervals.
- I. Material Location Reports: Submit at weekly intervals.
- J. Site Condition Reports: Submit at time of discovery of differing conditions.
- K. Unusual Event Reports: Submit at time of unusual event.
- L. Qualification Data: For scheduling consultant.

1.4 QUALITY ASSURANCE

- A. Scheduling Consultant Qualifications: An experienced specialist in CPM scheduling and reporting, with capability of producing CPM reports and diagrams within 24 hours of Architect's request.
- B. Prescheduling Conference: Conduct conference at Project site to comply with requirements in Section 013100 "Project Management and Coordination." Review methods and procedures related to the preliminary construction schedule and Contractor's Construction Schedule, including, but not limited to, the following:
 - 1. Review software limitations and content and format for reports.
 - 2. Verify availability of qualified personnel needed to develop and update schedule.
 - 3. Discuss constraints, including work stages, area separations, and interim milestones.
 - 4. Review delivery dates for Owner-furnished products.
 - 5. Review schedule for work of Owner's separate contracts.
 - 6. Review submittal requirements and procedures.
 - 7. Review time required for review of submittals and resubmittals.
 - 8. Review requirements for tests and inspections by independent testing and inspecting agencies.
 - 9. Review time required for Project closeout and Owner startup procedures, including commissioning activities.
 - 10. Review and finalize list of construction activities to be included in schedule.
 - 11. Review procedures for updating schedule.

1.5 COORDINATION

- A. Coordinate Contractor's Construction Schedule with the schedule of values, submittal schedule, progress reports, payment requests, and other required schedules and reports.
 - 1. Secure time commitments for performing critical elements of the Work from entities involved.
 - 2. Coordinate each construction activity in the network with other activities, and schedule them in proper sequence.

1.6 CONTRACTOR'S CONSTRUCTION SCHEDULE

- A. Computer Scheduling Software: Prepare schedules using current version of a program that is capable of managing construction schedules.

221 STATE STREET
BUILDING RENOVATIONS
AUGUSTA, MAINE

1. Use Microsoft Project, Procore, or Oracle Primavera Cloud for current Windows operating system.
- B. Scheduling Consultant: Engage a consultant to provide planning, evaluation, and reporting, using CPM scheduling.
 1. In-House Option: Owner may waive requirement to retain a consultant if Contractor employs skilled personnel with experience in CPM scheduling and reporting techniques. Submit qualifications.
 2. Meetings: Scheduling consultant to attend all meetings related to Project progress, alleged delays, and time impact.
- C. Time Frame: Extend schedule from date established for the Notice to Proceed to date of Final Completion.
 1. Contract completion date to not be changed by submission of a schedule that shows an early completion date, unless specifically authorized by Change Order.
- D. Activities: Treat each floor or separate area as a separate numbered activity for each main element of the Work. Comply with the following:
 1. Activity Duration: Define activities so no activity is longer than 20 days, unless specifically allowed by Architect.
 2. Temporary Facilities: Indicate start and completion dates for the following as applicable:
 - a. Securing of approvals and permits required for performance of the Work.
 - b. Temporary facilities.
 - c. Construction of mock-ups, prototypes and samples.
 - d. Owner interfaces and furnishing of items.
 - e. Interfaces with Separate Contracts.
 - f. Punch list.
 3. Procurement Activities: Include procurement process activities for the following long lead-time items and major items, requiring a cycle of more than 60 days, as separate activities in schedule. Procurement cycle activities include, but are not limited to, submittals, approvals, purchasing, fabrication, and delivery.
 - a. Doors, frames, and hardware.
 - b. Mechanical equipment.
 - c. Structural steel.
 - d. CLT and glue-lam timber.
 - e. Electrical equipment.
 - f. Equipment or materials with load times greater than 20 weeks.
 4. Submittal Review Time: Include review and resubmittal times indicated in Section 013300 "Submittal Procedures" in schedule. Coordinate submittal review times in Contractor's Construction Schedule with submittal schedule.
 5. Startup and Testing Time: Include no fewer than 15 days for startup and testing.
 6. Commissioning Time: Include no fewer than 20 days for commissioning.
 7. Substantial Completion: Indicate completion in advance of date established for Substantial Completion, and allow time for Architect's administrative procedures necessary for certification of Substantial Completion.

8. Punch List and Final Completion: Include not more than 30 days for completion of punch list items and Final Completion.
- E. Constraints: Include constraints and work restrictions indicated in the Contract Documents and as follows in schedule, and show how the sequence of the Work is affected.
1. Phasing: Arrange list of activities on schedule by phase.
 2. Work by Owner: Include a separate activity for each portion of the Work performed by Owner.
 3. Products Ordered in Advance: Include a separate activity for each product. Include delivery date indicated in Section 011000 "Summary." Delivery dates indicated stipulate the earliest possible delivery date.
 4. Owner-Furnished Products: Include a separate activity for each product. Include delivery date indicated in Section 011000 "Summary." Delivery dates indicated stipulate the earliest possible delivery date.
 5. Work Restrictions: Show the effect of the following items on the schedule:
 - a. Uninterruptible services.
 - b. Use-of-premises restrictions.
 - c. Seasonal variations.
 - d. Environmental control.
 6. Work Stages: Indicate important stages of construction for each major portion of the Work, including, but not limited to, the following:
 - a. Subcontract awards.
 - b. Submittals.
 - c. Purchases.
 - d. Mockups.
 - e. Fabrication.
 - f. Sample testing.
 - g. Deliveries.
 - h. Installation.
 - i. Tests and inspections.
 - j. Adjusting.
 - k. Curing.
 - l. Building flush-out.
 - m. Startup and placement into final use and operation.
 - n. Commissioning.
 7. Construction Areas: Identify each major area of construction for each major portion of the Work. Indicate where each construction activity within a major area must be sequenced or integrated with other construction activities to provide for the following:
 - a. Structural completion.
 - b. Temporary enclosure and space conditioning.
 - c. Permanent space enclosure.
 - d. Completion of mechanical installation.
 - e. Completion of electrical installation.
 - f. Substantial Completion.
- F. Milestones: Include milestones indicated in the Contract Documents in schedule, including, but

not limited to, the Notice to Proceed, Substantial Completion, and Final Completion.

- G. Upcoming Work Summary: Prepare summary report indicating activities scheduled to occur or commence prior to submittal of next schedule update. Summarize the following issues:
1. Unresolved issues.
 2. Unanswered Requests for Information.
 3. Rejected or unreturned submittals.
 4. Notations on returned submittals.
 5. Pending modifications affecting the Work and the Contract Time.
- H. Contractor's Construction Schedule Updating: At monthly intervals, update schedule to reflect actual construction progress and activities. Issue schedule one week before each regularly scheduled progress meeting.
1. Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue updated schedule concurrently with the report of each such meeting.
 2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
 3. As the Work progresses, indicate Final Completion percentage for each activity.
- I. Recovery Schedule: When periodic update indicates the Work is 14 or more calendar days behind the current approved schedule, submit a separate recovery schedule indicating means by which Contractor intends to regain compliance with the schedule. Indicate changes to working hours, working days, crew sizes, equipment required to achieve compliance, and date by which recovery will be accomplished.
- J. Distribution: Distribute copies of approved schedule to Architect, Owner, separate contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
1. Post copies in Project meeting rooms and temporary field offices.
 2. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

1.7 STARTUP CONSTRUCTION SCHEDULE

- A. Gantt-Chart Schedule: Submit startup, horizontal, Gantt-chart-type construction schedule within seven days of date established for the Notice to Proceed and the Notice of Award.
- B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line. Outline significant construction activities for first 90 days of construction. Include skeleton diagram for the remainder of the Work and a cash requirement prediction based on indicated activities.

1.8 CPM SCHEDULE REQUIREMENTS

- A. Prepare network diagrams using AON (activity-on-node) format.

- B. Startup Network Diagram: Submit diagram within 14 days of date established for the Notice to Proceed. Outline significant construction activities for the first 90 days of construction. Include skeleton diagram for the remainder of the Work and a cash requirement prediction based on indicated activities.
- C. CPM Schedule: Prepare Contractor's Construction Schedule using a cost- and resource-loaded, time-scaled CPM network analysis diagram for the Work.
 - 1. Develop network diagram in sufficient time to submit CPM schedule, so it can be accepted for use no later than 60 days after date established for the Notice to Proceed.
 - a. Failure to include any work item required for performance of this Contract must not excuse Contractor from completing all work within applicable completion dates.
 - 2. Conduct educational workshops to train and inform key Project personnel, including subcontractors' personnel, in proper methods of providing data and using CPM schedule information.
 - 3. Establish procedures for monitoring and updating CPM schedule and for reporting progress. Coordinate procedures with progress meeting and payment request dates.
 - 4. Use "one workday" as the unit of time for individual activities. Indicate nonworking days and holidays incorporated into the schedule to coordinate with the Contract Time.
- D. CPM Schedule Preparation: Prepare a list of all activities required to complete the Work. Using the startup network diagram, prepare a skeleton network to identify probable critical paths.
 - 1. Activities: Indicate the estimated time duration, sequence requirements, and relationship of each activity in relation to other activities. Include estimated time frames for the following activities:
 - a. Preparation and processing of submittals.
 - b. Mobilization and demobilization.
 - c. Purchase of materials.
 - d. Delivery.
 - e. Fabrication.
 - f. Utility interruptions.
 - g. Installation.
 - h. Work by Owner that may affect or be affected by Contractor's activities.
 - i. Testing and inspection.
 - j. Commissioning.
 - k. Punch list and Final Completion.
 - l. Activities occurring following Final Completion.
 - 2. Critical Path Activities: Identify critical path activities, including those for interim completion dates. Scheduled start and completion dates to be consistent with Contract milestone dates.
 - 3. Processing: Process data to produce output data on a computer-drawn, time-scaled network. Revise data, reorganize activity sequences, and reproduce as often as necessary to produce the CPM schedule within the limitations of the Contract Time.
 - 4. Format: Mark the critical path. Locate the critical path near center of network; locate

paths with most float near the edges.

- a. Subnetworks on separate sheets are permissible for activities clearly off the critical path.
5. Cost- and Resource-Loading of CPM Schedule: Assign cost to construction activities on the CPM schedule. Do not assign costs to submittal activities. Obtain Architect's approval prior to assigning costs to fabrication and delivery activities. Assign costs under main subcontracts for testing and commissioning activities, operation and maintenance manuals, punch list activities, Project record documents, sustainable design documentation, and demonstration and training (if applicable), in the amount of 5 percent of the Contract Sum.
- a. Each activity cost to reflect an appropriate value subject to approval by Architect.
 - b. Total cost assigned to activities to equal the total Contract Sum.
- E. Contract Modifications: For each proposed contract modification and concurrent with its submission, prepare a time-impact analysis using a network fragment to demonstrate the effect of the proposed change on the overall Project schedule.
1. Indicate when available float is utilized by the proposed change.
 2. Indicate impact to the critical path and provide summary of methods to minimize the impact to the substantial completion date,
- F. Initial Issue of Schedule: Prepare initial network diagram from a sorted activity list indicating straight "early start-total float." Identify critical activities. Prepare tabulated reports showing the following:
1. Contractor or subcontractor and the Work or activity.
 2. Description of activity.
 3. Main events of activity.
 4. Immediate preceding and succeeding activities.
 5. Early and late start dates.
 6. Early and late finish dates.
 7. Activity duration in workdays.
 8. Total float or slack time.
 9. Average size of workforce.
 10. Dollar value of activity (coordinated with the schedule of values).
- G. Schedule Updating: Concurrent with making revisions to schedule, prepare tabulated reports showing the following:
1. Identification of activities that have changed.
 2. Changes in early and late start dates.
 3. Changes in early and late finish dates.
 4. Changes in activity durations in workdays.
 5. Changes in the critical path.
 6. Changes in total float or slack time.
 7. Changes in the Contract Time.

1.9 REPORTS

- A. Daily Construction Reports: Prepare a daily construction report recording the following information concerning events at Project site:
1. List of subcontractors at Project site.
 2. List of separate contractors at Project site.
 3. Approximate count of personnel at Project site.
 4. Equipment at Project site.
 5. Material deliveries.
 6. High and low temperatures and general weather conditions, including presence of rain or snow.
 7. Testing and inspection.
 8. Accidents.
 9. Meetings and significant decisions.
 10. Unusual events.
 11. Stoppages, delays, shortages, and losses.
 12. Emergency procedures.
 13. Orders and requests of authorities having jurisdiction.
 14. Change Orders received and implemented.
 15. Construction Change Directives received and implemented.
 16. Services connected and disconnected.
 17. Equipment or system tests and startups.
 18. Partial completions and occupancies.
 19. Substantial Completions authorized.
- B. Material Location Reports: At monthly intervals, prepare and submit a comprehensive list of materials delivered to and stored at Project site. List to be cumulative, showing materials previously reported plus items recently delivered. Include with list a statement of progress on and delivery dates for materials or items of equipment fabricated or stored away from Project site. Indicate the following categories for stored materials:
1. Material stored prior to previous report and remaining in storage.
 2. Material stored prior to previous report and since removed from storage and installed.
 3. Material stored following previous report and remaining in storage.
- C. Site Condition Reports: Immediately on discovery of a difference between site conditions and the Contract Documents, prepare and submit a detailed report. Submit with a Request for Information. Include a detailed description of the differing conditions, together with recommendations for changing the Contract Documents.
- D. Unusual Event Reports: When an event of an unusual and significant nature occurs at Project site, whether or not related directly to the Work, prepare and submit a special report. List chain of events, persons participating, responses by Contractor's personnel, evaluation of results or effects, and similar pertinent information. Advise Owner in advance when these events are known or predictable.
1. Submit unusual event reports directly to Owner within one day of an occurrence. Distribute copies of report to parties affected by the occurrence.

221 STATE STREET
BUILDING RENOVATIONS
AUGUSTA, MAINE

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

SECTION 270000 - COMMUNICATIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section. Specific drawings include ET101, ET102, ET103, ET501 and ET502.
- B. The State of Maine Telecommunications Facilities & Wiring Specifications Revised January 2024.

1.2 SCOPE

- A. This document represents the initial attempt to codify the document referenced in 1.1.B above in Master Format. This document will be revised as the 221 State Street Project progresses. The project is currently in the estimating and bidding phase and as such this document will be initially limited to support these activities.

1.3 SUMMARY

- A. Stakeholders - For the purposes of this project the State of Maine Network Services Department consists of Two Stakeholders, Operations and Outside Plant hereafter referred to as NSO and NSOSP. NSO is responsible for the Active components of the SOM network, gateways, routers, switches and uninterruptable power supplies (UPS). NSOSP is responsible for providing the physical layer of the network, cables and cabling, jacks, racks, ladder tray, and associated hardware components. NSOSP considers NSO to be a client to whom NSOPS provides the physical framework of the network.
- B. Requirements - NSOSP and its client NSO have very specific requirements for manufacturers, components and methods. These requirements are based on many years of consolidating around those components and methods that are reliable and support the mission of Network Services. Exceptions and deviations from any of the components and methods stated herein and/or on the Drawings Set shall require the approval of Network Services and the BGS Project Manager.
- C. Communication & Coordination – All communication(s) relating to Division 27 for the 221 State Street Project shall include the SOM BGS Project Manager, Management Team, and the Network Services Outside Plant designated Project Manager. NSOSP will forward any communications it deems necessary to NSO on as needed basis.
- D. Demolition – Currently there are several ACTIVE (IN USE) Fiber Optic (FO) Cables and Two (2) Copper Plain Old Telephone System (POTS) Cables (900-Pair & 200-Pair) running to and through the existing “IT” Room on the First Floor. These are PASS-

221 STATE STREET
BUILDING RENOVATIONS
AUGUSTA, MAINE

THROUGH cables and although they will no longer be supporting operations in 221 State Street at the time of demolition, they do support mission critical operations in several other buildings. A 900-Pair Copper Cable and a FO Cable enter the building through penetration at the Northwest corner of the building, and a 200-Pair Cable and a FO Cable enter the building through a penetration/junction box at the Southwest corner of the building. These cables support mission critical operations including data, phone and fire alarm circuits in other buildings. NSOSP will replace these cables with new cables whose routing will bypass 221 State Street; however, this work will not be performed until at least May of 2026 when the underground conduits and manholes in the Capitol Campus are free of ice. The General Contractor and subcontractors shall coordinate demolition of the conduits and infrastructure of the "IT Room" on the First Floor with NSOSP to prevent damage to these cables prior to their obsolescence.

E. Communications Pathways (Conduit, Wire Basket Tray and Sleeves):

The GC/Electrical trades shall install communications pathways including Conduits, Wire Basket Tray (4-inch by 4-inch, and 4-inch by 16-inch) and Penetration Sleeves (2-inch and 4-inch) fire stopped, as shown on Drawings ET101, ET102, and ET103.

F. Copper Horizontal Wiring and Device Terminations Standard:

Copper Horizontal Wiring, Devices, and Terminations shall be installed to the CAT6 Cabling Standard.

G. Telecommunications Spaces – 221 State Street shall have three (3) Telecommunications Distribution Spaces as follows:

1. Main Distribution Frame (MDF), First Floor, Room 142.
2. Intermediate Distribution Frame (IDF-A), Second Floor, Room 220.
3. Intermediate Distribution Frame (IDF-B), Second Floor, Room 318.

H. MDF Room 142 shall support the following horizontal wiring and devices.

Blue Cat6 Cable, terminated with CAT6 Orange Data Jack. Some Wall Jacks may be combined for cubicle furniture.

Gray CAT6 Cable, terminated with CAT6 Gray Analog Jack.

I. IDF-A Room 220 shall support the following horizontal wiring and devices:

Blue Cat6 Cable, terminated with CAT6 Orange Data Jack. Some Wall Jacks may be combined for cubicle furniture.

Gray CAT6 Cable, terminated with CAT6 Gray Analog Jack.

221 STATE STREET
BUILDING RENOVATIONS
AUGUSTA, MAINE

- J. IDF-B Room 318 shall support the following horizontal wiring and devices:

Blue Cat6 Cable, terminated with CAT6 Orange Data Jack. Some Wall Jacks may be combined for cubicle furniture.

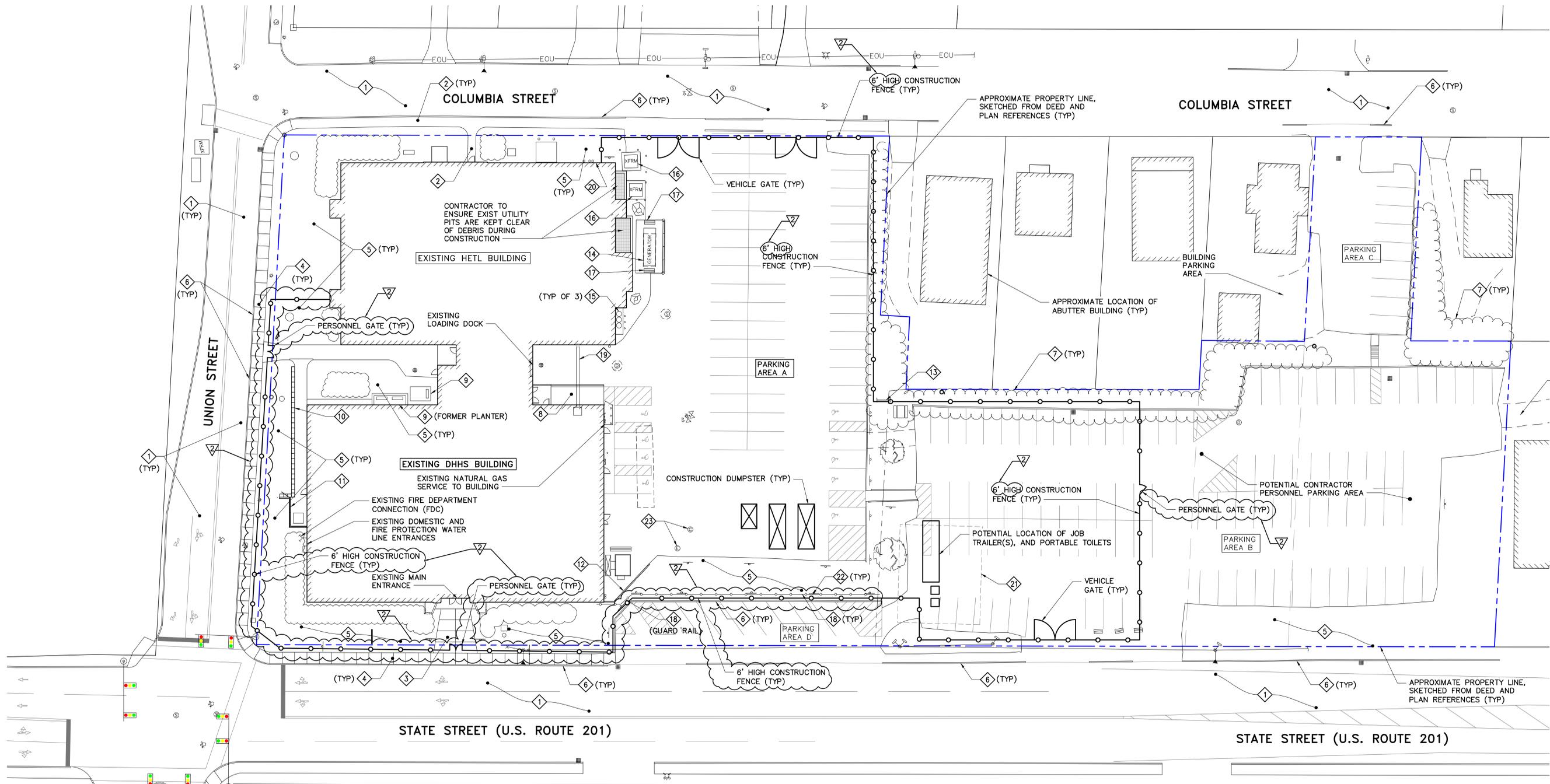
Gray CAT6 Cable, terminated with CAT6 Gray Analog Jack for Multi-Function Devices and Call Stations.

- K. Responsibilities – The General Contractor and Electrical trades shall be responsible for providing and installation of all Unistrut, Junction Boxes, Conduits, Sleeves, Wire Basket Tray, and Fire Stop Material for communications pathways. Additionally, GC/Electrical shall be responsible for installation of the Rack Power as shown in the figures and the Telecom Grounding System.

The General Contractor and Telecommunications trades shall be responsible for installation of all Network Racks, Ladder Tray and Supporting Hardware. Additionally, the GC/Telecom shall be responsible for installation of all Structured Cabling, Wiring Devices, Patch Panels, and Faceplates.

Upon acceptance of the physical infrastructure the State of Maine Network Operations will provide and install the Electronics (Network Switches, Uninterruptable Power Supplies, and Wireless Access Points).

END OF SECTION



1 CONTRACTOR LAYDOWN SITE PLAN
 C-002 SCALE: 1"=20'

EXISTING KEYNOTES (THIS SHEET ONLY)

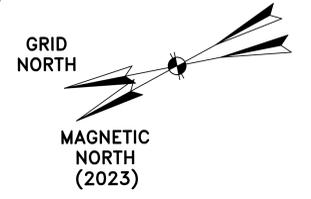
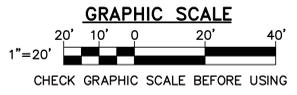
- | | | | |
|----|--|----|--|
| 1 | EXISTING ASPHALT PAVEMENT. | 15 | EXISTING LP TANKS ON CONCRETE PAD. |
| 2 | EXISTING ASPHALT PAVEMENT WALK. | 16 | EXISTING TRANSFORMER ON CONCRETE PAD. |
| 3 | EXISTING CONCRETE WALK. | 17 | EXISTING CONCRETE BARRIER. |
| 4 | EXISTING CONCRETE SIDEWALK. | 18 | EXISTING GUARD RAIL AND FENCE AT TOP OF SLOPE ADJACENT TO THE EXISTING CURB. |
| 5 | EXISTING LAWN AREA. | 19 | EXISTING 18"± DIAMETER UNDERGROUND CONCRETE MECHANICAL TUNNEL BETWEEN BUILDING. |
| 6 | EXISTING CURB. | 20 | EXISTING FUEL OIL FILL AND VENT PIPES AT EXISTING BUILDING WALL. |
| 7 | EXISTING SPARSELY WOODED AREA. | 21 | APPROXIMATE LOCATION OF FORMER BUILDING. |
| 8 | EXISTING CONCRETE RAMP AND HANDRAIL. | 22 | EXISTING METAL RAILING ADJACENT TO CURB WITH SIGNS AND POSTS ATTACHED. |
| 9 | EXISTING CONCRETE EQUIPMENT PAD. | 23 | UNFETTERED ACCESS TO THE COMMUNICATIONS AND ELECTRICAL MANHOLES IN PARKING AREA 'A' MUST BE MAINTAINED AT ALL TIMES. ACCESS INCLUDES VIA UTILITY TRUCK FOR PULLING CABLES. SNOW MUST BE CLEARED/REMOVED. |
| 10 | EXISTING PRECAST CONCRETE UNIT RETAINING WALL. | | |
| 11 | EXISTING CONCRETE RETAINING WALL WITH BROKEN HANDRAIL. | | |
| 12 | EXISTING PRECAST CONCRETE RETAINING WALL. | | |
| 13 | EXISTING METAL BICYCLE RACK AT SMOKING AREA. | | |
| 14 | EXISTING DIESEL GENERATOR ON CONCRETE PAD. | | |

CONTRACTOR LAYDOWN NOTES

- PROVIDE PLANS SHOWING THE LAYDOWN AREAS, TRAILER LOCATIONS, DUMPSTER LOCATIONS, PORTA-POTTY LOCATIONS AND TEMPORARY GENERATOR LOCATIONS FOR REVIEW AND APPROVAL BY THE OWNER. ENSURE THAT DUMPSTERS AND TEMPORARY GENERATORS LOCATIONS ARE AS FAR AS FEASIBLY POSSIBLE FROM THE RESIDENTIAL BUILDINGS.
- PROVIDE TEMPORARY POWER TO THE JOB TRAILERS.
- IF EXISTING PARKING AREA "B" IS DAMAGED BY THE PROJECT, PROVIDE PATCHING OF THE DAMAGED PAVEMENT AND TURF RESTORATION OF DAMAGED LAWN AREAS.

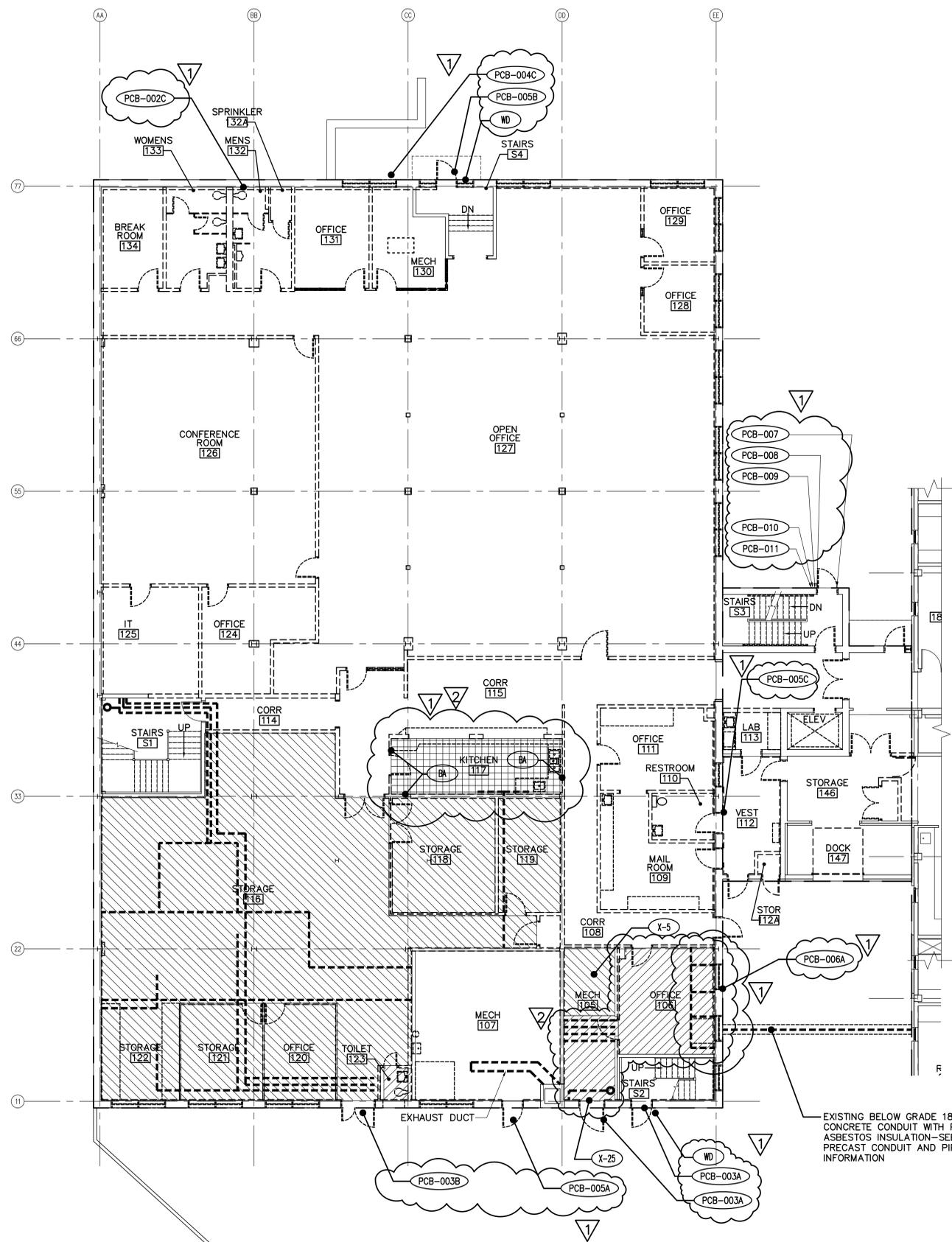
CONTRACTOR SNOW REMOVAL

- PROVIDE SNOW REMOVAL FOR THE ENTIRE AREA OF PARKING AREA "A" AND PARKING AREA "B" FOR THE DURATION OF THE PROJECT. ENSURE AREAS AROUND CONSTRUCTION FENCE GATES ARE CLEARED OF SNOW TO MAINTAIN OPERABILITY AT ALL TIMES. REMOVE ACCUMULATED SNOW PILES FROM THE SITE AFTER EACH STORM.



STATE OF MAINE BGS TITLE: 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION: AUGUSTA, MAINE TITLE THIS DWG.: CONTRACTOR LAYDOWN SITE PLAN		OAK POINT ASSOCIATES C-002 9 OF 208
2/2/26 ADDENDUM 5. 1/23/26 ADDENDUM 3.	JBL DEW JLG	DRAWN BY: DEW CHECKED BY: JLG DATE: 12/16/2025
REVISIONS		

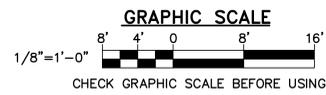
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1 HAZARDOUS MATERIALS FIRST FLOOR PLAN
AD002 SCALE: 1/8"=1'-0"



KEY PLAN



PCB SAMPLE SCHEDULE

SAMPLE NUMBER	PCB MATERIAL TYPE	PCB CONCENTRATION (PPM)
PCB-002C	EXTERIOR WINDOW CAULK (WHITE/GRAY)	1.96
PCB-003A	EXTERIOR DOOR CAULK (WHITE)	.24
PCB-003B	EXTERIOR DOOR CAULK (WHITE)	.23
PCB-003C	EXTERIOR DOOR CAULK (WHITE)	.53
PCB-004C	EXTERIOR WINDOW GLAZING	8.25
PCB-005A	EXTERIOR DOOR CAULK (GRAY)	ND
PCB-005B	EXTERIOR DOOR CAULK (GRAY)	.73
PCB-005C	EXTERIOR DOOR CAULK (GRAY)	ND
PCB-006A	EXTERIOR WINDOW CAULK (CREAM)	3.99
PCB-007	EXTERIOR DOOR CAULK (WHITE)	1190.00
PCB-008	EXTERIOR BRICK ADJACENT TO DOOR CAULK (1")	ND
PCB-009	EXTERIOR BRICK ADJACENT TO DOOR CAULK (6")	ND
PCB-010	EXTERIOR SOIL BENEATH DOOR CAULK (3" DEPTH)	1.32
PCB-011	EXTERIOR SOIL BENEATH DOOR CAULK (6" DEPTH)	ND

PPM=PARTS PER MILLION
ND=NOT DETECTED

PCB NOTES

- BUILDING MATERIALS CONTAINING TOTAL PCB'S 50 MG/KG; REMOVAL AND CONTAINMENT FOR DISPOSAL OUT OF STATE, AT A FACILITY PERMITTED TO RECEIVE PCB BPW.
- BUILDING MATERIALS CONTAINING TOTAL PCB'S 1 MG/KG AND < 50 MG/KG; REMOVAL AND CONTAINMENT FOR DISPOSAL AT A FACILITY PERMITTED TO RECEIVE MATERIALS DEFINED AS EXCLUDED PCB PRODUCTS IN ACCORDANCE WITH 40 CFR 761.30. BASED ON SAMPLE RESULTS, FOR BIDDING PURPOSES THE CONTRACTOR SHALL ASSUME ALL EXTERIOR DOOR AND WINDOW CAULKING CONTAINS PCB'S >1 AND <50 MG/KG-EXCEPT AT PCB SAMPLE 007 AT STAIR S3 EXTERIOR DOOR.
- SOILS CONTAINING TOTAL PCB'S 1 MG/KG AND < 50 MG/KG; IMPLEMENTATION OF A PERFORMANCE BASED CLEANUP IN ACCORDANCE WITH 40 CFR 761.61 (B), WITH SOILS TRANSPORTED OUT OF STATE FOR DISPOSAL AT A FACILITY PERMITTED TO RECEIVE PCB REMEDIATION WASTE WITH TOTAL PCB'S < 50 MG/KG.
- REMOVE A MINIMUM OF 1" OF BRICK AT DOOR HEAD AND JAMBS AT SAMPLE PCB-007. REMOVE EXISTING STEEL LINTEL AT DOOR HEAD, PREP AND PAINT FOR REINSTALLATION. TOOTH-IN BRICK TO MATCH EXISTING.

GENERAL NOTES

- SEE GENERAL NOTES ON SHEET G-001.
- SEE SPECIFICATION SECTIONS 003126 EXISTING HAZARDOUS MATERIAL INFORMATION, 028200 ASBESTOS REMEDIATION, 028300 LEAD, CHROMIUM, AND CADMIUM REMEDIATION, 028400 PCB REMEDIATION FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR MUST REMOVE AND DISPOSE OF ALL HAZARDOUS MATERIALS.
- THE CONTRACTOR MUST ASSUME THAT ALL PAINTED SURFACES CONTAIN LEAD, CADMIUM, AND CHROMIUM AND COMPLY WITH MAINE STATE DEP, FEDERAL EPA, AND OSHA REGULATIONS FOR REMOVAL AT DISTURBED SURFACES AND DISPOSAL. SEE SPECIFICATION SECTION 028300 "LEAD, CHROMIUM, AND CADMIUM REMEDIATION"
- ALL LIGHTING FIXTURE BALLASTS NOT LABELED "DOES NOT CONTAIN PCB'S" SHALL BE ASSUMED TO CONTAIN PCB'S. FOR BIDDING PURPOSES ASSUME A TOTAL OF 600 BALLASTS CONTAIN PCB'S. ALL FLUORESCENT LIGHTING LAMPS SHALL BE ASSUMED TO CONTAIN MERCURY-ASSUME A TOTAL OF 1500 FOUR FOOT TUBES. ASSUME A TOTAL OF 17 MERCURY-CONTAINING THERMOSTATS AND 5 EXIT SIGN/BATTERIES. SEE SPECIFICATION SECTION 028416 "HANDLING OF LIGHTING BALLASTS AND LAMPS CONTAINING PCB'S AND MERCURY" FOR ADDITIONAL REQUIREMENTS.
- ALL EXISTING EXTERIOR DOORS AND WINDOWS SHALL BE ASSUMED TO CONTAIN ASBESTOS CAULKING AND REQUIRE REMOVAL AND DISPOSAL.
- THERE HAS BEEN NO PREVIOUS HAZARDOUS MATERIALS REMEDIATION PERFORMED IN THE BUILDING.

ASBESTOS LEGEND

- (X-1) ACM PIPE FITTING
- (WD) WINDOW/DOOR PERIMETER ACM CAULKING
- (BA) WALL BASE WITH ACM ADHESIVE
- [Hatched Box] ACM FLOOR TILE AND ACM ADHESIVE
- [Diagonal Lines Box] NON-ACM FLOOR TILE WITH ACM ADHESIVE
- [Grid Box] ACM FLOOR TILE WITH ACM ADHESIVE BENEATH NON-ACM SHEET FLOORING
- (O) ASBESTOS INSULATION IN PIPE RISER
- [Dashed Line Box] ASBESTOS INSULATION ON HORIZONTAL PIPES

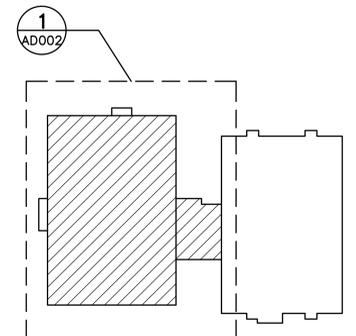
PCB SAMPLES (THIS SHEET ONLY)

(PCB-00XX) PCB SAMPLE NUMBER

HAZARDOUS MATERIAL SCHEDULE

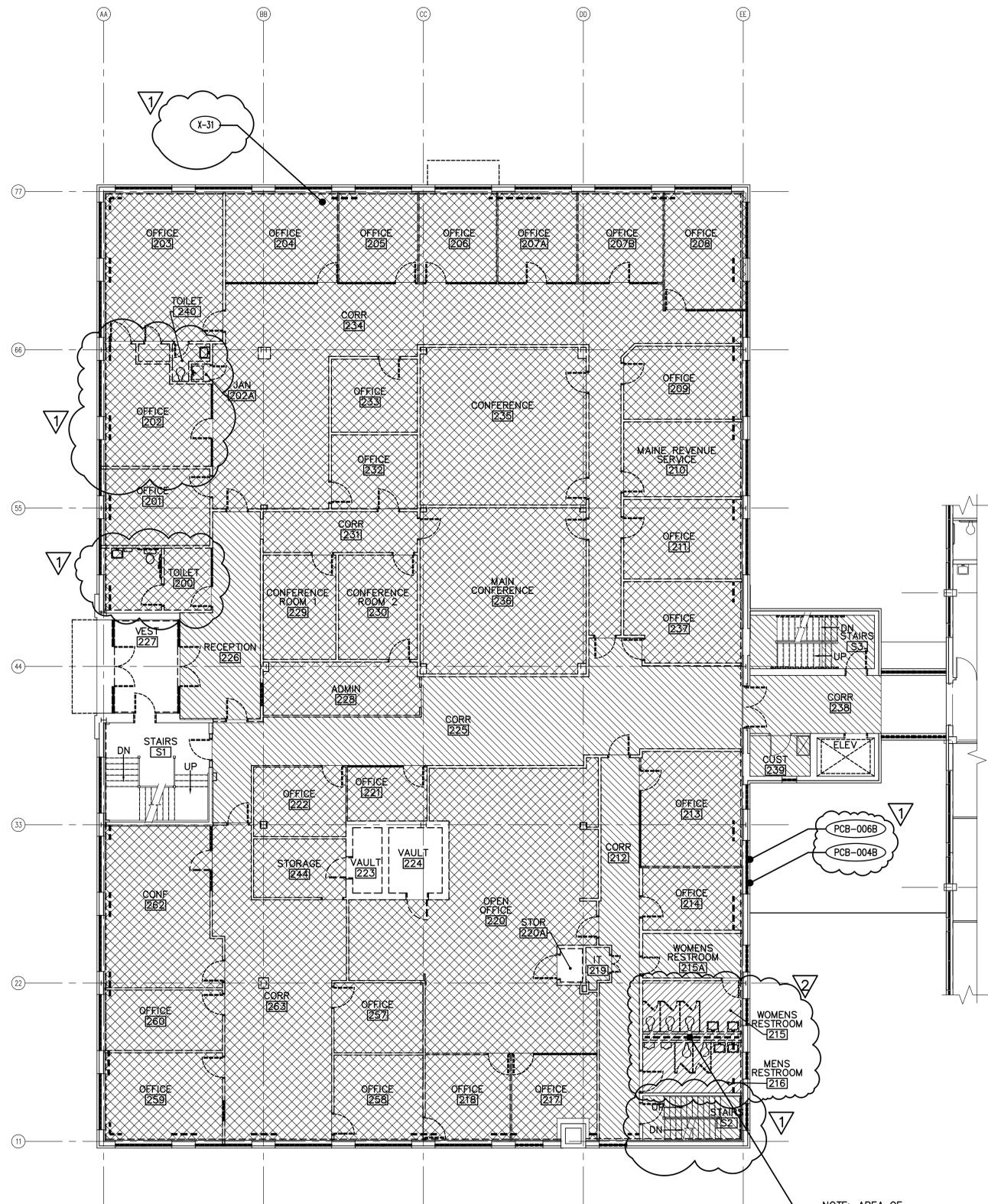
1951 DHHS BUILDING & CONNECTOR

HOMOGENEOUS AREA SAMPLING LOCATION - TYPE OF MATERIAL	QUANTITY
ACM FLOOR TILE AND ACM ADHESIVE	APPROX. 3,108 SF
ACM FLOOR TILE ADHESIVE	APPROX. 64 SF
ACM FLOOR TILE AND ACM ADHESIVE BENEATH NON-ACM SHEET FLOORING	APPROX. 96 SF
ACM WALL BASE ADHESIVE	APPROX. 40 LF
ACM PIPE INSULATION AND ASSOCIATED MUD INSULATED PIPE FITTINGS ABOVE CEILING TILES	APPROX. 950 LF
BELOW GRADE SERVICE CONDUIT ACM PIPE INSULATION	APPROX. 100 LF
ACM INSULATED PIPE FITTINGS ASSOCIATED WITH FIBERGLASS PIPE INSULATION	30 EACH
ACM/PCB WINDOW FRAME CAULKING-SEE GENERAL NOTE 6 AND PCB NOTE 2 THIS SHEET	14 EACH
ACM/PCB DOOR FRAME CAULKING-SEE GENERAL NOTE 6 AND PCB NOTE 2 THIS SHEET	11 EACH



EXISTING BELOW GRADE 18 INCH PRECAST CONCRETE CONDUIT WITH PIPING CONTAINING ASBESTOS INSULATION-SEE CIVIL SHEETS FOR PRECAST CONDUIT AND PIPING REMOVALS INFORMATION

		<p>STATE OF MAINE BGS TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION AUGUSTA, MAINE TITLE THIS DWG. HAZARDOUS MATERIALS FIRST FLOOR PLAN</p>
<p>2/13/26 ADDENDUM 5 1/23/26 ADDENDUM 3</p>	<p>NO. DATE DESCRIPTION BY</p> <p>REVISIONS</p>	<p>DRAWN BY: SMC CHECK BY: JBL DATE 12/16/2025</p>
<p>1/8"=1'-0" 8' 4' 0' 8' 16'</p>		<p>OAK POINT ASSOCIATES AD002 40 OF 206</p>



1 HAZARDOUS MATERIALS SECOND FLOOR PLAN
AD003 SCALE: 1/8"=1'-0"



NOTE: AREA OF PRESUMED ACM PIPE INSULATION IN WALL CAVITY

PCB SAMPLE SCHEDULE

SAMPLE NUMBER	PCB MATERIAL TYPE	PCB CONCENTRATION (PPM)
PCB-004B	EXTERIOR WINDOW GLAZING	3.50
PCB-006B	EXTERIOR WINDOW CAULK (CREAM)	3.99

PPM=PARTS PER MILLION
ND=NOT DETECTED

PCB NOTES

1. BUILDING MATERIALS CONTAINING TOTAL PCB'S 1 MG/KG AND < 50 MG/KG: REMOVAL AND CONTAINMENT FOR DISPOSAL AT A FACILITY PERMITTED TO RECEIVE MATERIALS DEFINED AS EXCLUDED PCB PRODUCTS IN ACCORDANCE WITH 40 CFR 761.30. BASED ON SAMPLE RESULTS, FOR BIDDING PURPOSES THE CONTRACTOR SHALL ASSUME ALL EXTERIOR DOOR AND WINDOW CAULKING CONTAINS PCB'S >1 AND <50 MG/KG-EXCEPT AT PCB SAMPLE 007 AT STAIR S3 EXTERIOR DOOR.

GENERAL NOTES

- SEE GENERAL NOTES ON SHEET G-001.
- SEE SPECIFICATION SECTIONS 003126 EXISTING HAZARDOUS MATERIAL INFORMATION, 028200 ASBESTOS REMEDIATION, 028300 LEAD, CHROMIUM, AND CADMIUM REMEDIATION, 028400 PCB REMEDIATION FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR MUST REMOVE AND DISPOSE OF ALL HAZARDOUS MATERIALS.
- THE CONTRACTOR MUST ASSUME THAT ALL PAINTED SURFACES CONTAIN LEAD, CADMIUM, AND CHROMIUM AND COMPLY WITH MAINE STATE DEP, FEDERAL EPA, AND OSHA REGULATIONS FOR REMOVAL AT DISTURBED SURFACES AND DISPOSAL. SEE SPECIFICATION SECTION 028300 "LEAD, CHROMIUM, AND CADMIUM REMEDIATION"
- ALL LIGHTING FIXTURE BALLASTS NOT LABELED "DOES NOT CONTAIN PCB'S" SHALL BE ASSUMED TO CONTAIN PCB'S. FOR BIDDING PURPOSES ASSUME A TOTAL OF 600 BALLASTS CONTAIN PCB'S. ALL FLUORESCENT LIGHTING LAMPS SHALL BE ASSUMED TO CONTAIN MERCURY-ASSUME A TOTAL OF 1500 FOUR FOOT TUBES. ASSUME A TOTAL OF 17 MERCURY-CONTAINING THERMOSTATS AND 5 EXIT SIGN/BATTERIES. SEE SPECIFICATION SECTION 028416 "HANDLING OF LIGHTING BALLASTS AND LAMPS CONTAINING PCB'S AND MERCURY" FOR ADDITIONAL REQUIREMENTS.
- ALL EXISTING EXTERIOR DOORS AND WINDOWS SHALL BE ASSUMED TO CONTAIN ASBESTOS CAULKING AND REQUIRE REMOVAL AND DISPOSAL.
- THERE HAS BEEN NO PREVIOUS HAZARDOUS MATERIALS REMEDIATION PERFORMED IN THE BUILDING.

ASBESTOS LEGEND (THIS SHEET ONLY)

- ACM PIPE FITTING
- ACM FLOOR TILE AND ACM ADHESIVE
- ACM FLOOR TILE AND ACM ADHESIVE BELOW CARPET
- NON-ACM FLOOR TILE AND ACM ADHESIVE
- ASBESTOS INSULATION IN PIPE RISER
- ASBESTOS INSULATION ON HORIZONTAL PIPES

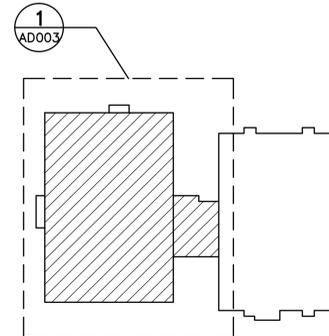
PCB SAMPLES (THIS SHEET ONLY)

- PCB-00XX PCB SAMPLE NUMBER

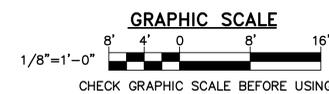
HAZARDOUS MATERIAL SCHEDULE

1951 BUILDING & CONNECTOR

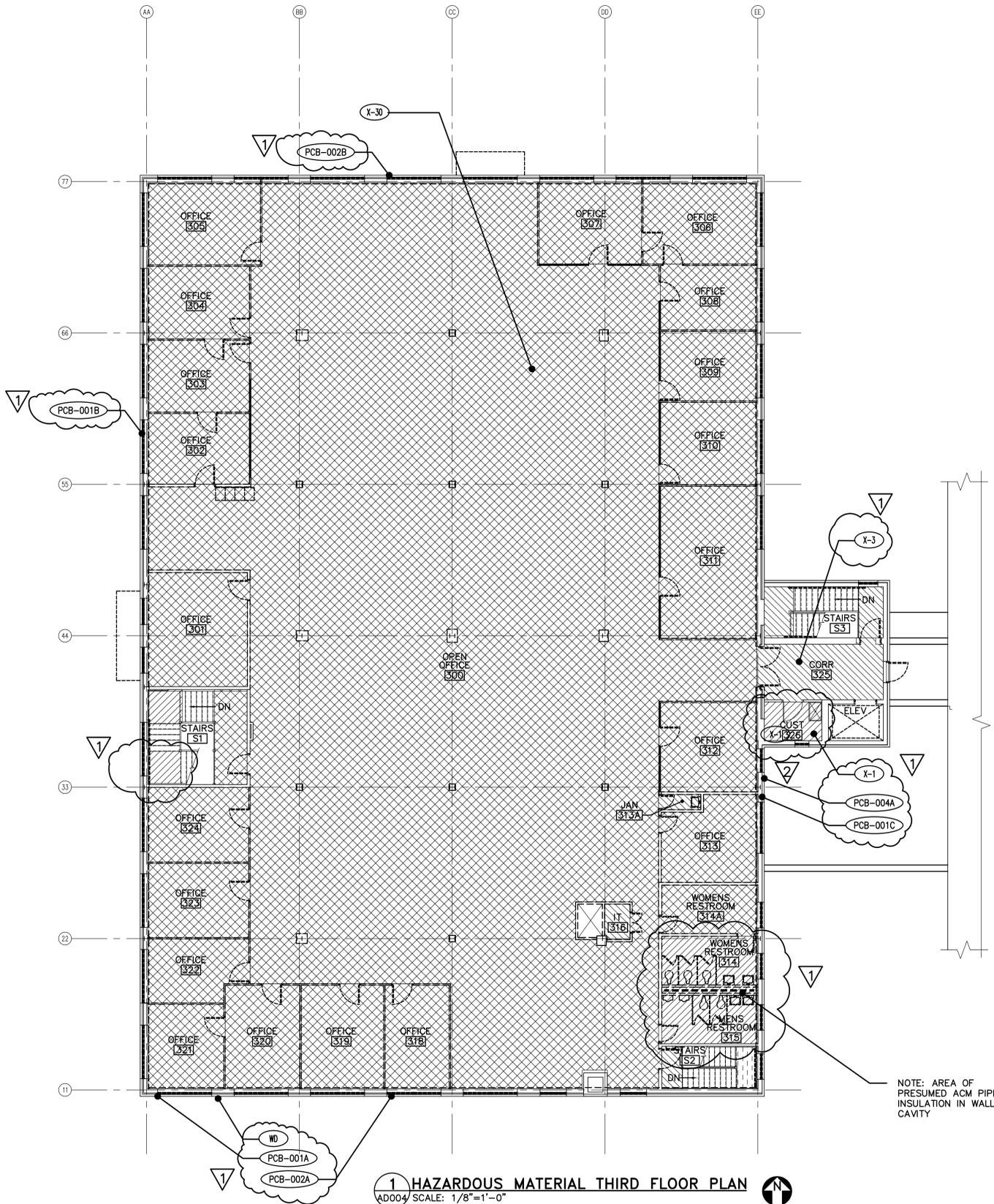
HOMOGENEOUS AREA SAMPLING LOCATION - TYPE OF MATERIAL	QUANTITY
ACM FLOOR TILE AND ACM ADHESIVE	APPROX. 2,254 SF
ACM FLOOR TILE & ACM ADHESIVE BELOW CARPET	APPROX. 10,300 SF
ACM PIPE INSULATION AND ASSOCIATED ACM MUD INSULATED PIPE FITTINGS WITHIN WALL CAVITIES	360 LF
ACM PIPE INSULATION AND ASSOCIATED ACM MUD INSULATED PIPE FITTINGS ABOVE CEILINGS	510 LF
ACM INSULATED PIPE FITTINGS ASSOCIATED WITH FIBERGLASS INSULATED PIPING	31 EACH
ACM/PCB WINDOW FRAME CAULKING -SEE GENERAL NOTE 6 AND PCB NOTE 1 THIS SHEET	40
ACM/PCB DOOR FRAME CAULKING-SEE GENERAL NOTE 6 AND PCB NOTE 1 THIS SHEET	3 EACH



KEY PLAN



		STATE OF MAINE BGS	
		TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION AUGUSTA, MAINE TITLE THIS DWG. HAZARDOUS MATERIALS SECOND FLOOR PLAN	
2/13/26 NO. DATE	ADDENDUM 5 DESCRIPTION	DRAWN BY: SMC CHECK BY: JBL	OAK POINT ASSOCIATES AD003 DRAWING NO. SHEET NO.
1/23/26 NO. DATE	ADDENDUM 3 DESCRIPTION	DATE 12/16/2025	41 OF 206



1 HAZARDOUS MATERIAL THIRD FLOOR PLAN
AD004 SCALE: 1/8"=1'-0"



PCB SAMPLE SCHEDULE

SAMPLE NUMBER	PCB MATERIAL TYPE	PCB CONCENTRATION (PPM)
PCB-001A	INTERIOR WINDOW GLAZING	ND
PCB-001B	INTERIOR WINDOW GLAZING	4.92
PCB-001C	INTERIOR WINDOW GLAZING	6.80
PCB-002A	EXTERIOR WINDOW CAULK (WHITE/GRAY)	.59
PCB-002B	EXTERIOR WINDOW CAULK (WHITE/GRAY)	2.81
PCB-004A	EXTERIOR WINDOW GLAZING	8.55

PPM=PARTS PER MILLION
ND=NOT DETECTED

PCB NOTES

1. BUILDING MATERIALS CONTAINING TOTAL PCB'S 1 MG/KG AND < 50 MG/KG; REMOVAL AND CONTAINMENT FOR DISPOSAL AT A FACILITY PERMITTED TO RECEIVE MATERIALS DEFINED AS EXCLUDED PCB PRODUCTS IN ACCORDANCE WITH 40 CFR 761.30. BASED ON SAMPLE RESULTS, FOR BIDDING PURPOSES THE CONTRACTOR SHALL ASSUME ALL EXTERIOR DOOR AND WINDOW CAULKING CONTAINS PCB'S >1 AND <50 MG/KG-EXCEPT AT PCB SAMPLE 007 AT STAIR S3 EXTERIOR DOOR.

GENERAL NOTES

- SEE GENERAL NOTES ON SHEET G-001.
- SEE SPECIFICATION SECTIONS 003126 EXISTING HAZARDOUS MATERIAL INFORMATION, 028200 ASBESTOS REMEDIATION, 028300 LEAD, CHROMIUM, AND CADMIUM REMEDIATION, 028400 PCB REMEDIATION FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR MUST REMOVE AND DISPOSE OF ALL HAZARDOUS MATERIALS.
- THE CONTRACTOR MUST ASSUME THAT ALL PAINTED SURFACES CONTAIN LEAD, CADMIUM, AND CHROMIUM AND COMPLY WITH MAINE STATE DEP., FEDERAL EPA, AND OSHA REGULATIONS FOR REMOVAL AT DISTURBED SURFACES AND DISPOSAL. SEE SPECIFICATION SECTION 028300 "LEAD, CHROMIUM, AND CADMIUM REMEDIATION"
- ALL LIGHTING FIXTURE BALLASTS NOT LABELED "DOES NOT CONTAIN PCB'S" SHALL BE ASSUMED TO CONTAIN PCB'S. FOR BIDDING PURPOSES ASSUME A TOTAL OF 600 BALLASTS CONTAIN PCB'S. ALL FLUORESCENT LIGHTING LAMPS SHALL BE ASSUMED TO CONTAIN MERCURY-ASSUME A TOTAL OF 1500 FOUR FOOT TUBES. ASSUME A TOTAL OF 17 MERCURY-CONTAINING THERMOSTATS AND 5 EXIT SIGN/BATTERIES. SEE SPECIFICATION SECTION 028416 "HANDLING OF LIGHTING BALLASTS AND LAMPS CONTAINING PCB'S AND MERCURY" FOR ADDITIONAL REQUIREMENTS.
- ALL EXISTING EXTERIOR DOORS AND WINDOWS SHALL BE ASSUMED TO CONTAIN ASBESTOS CAULKING AND REQUIRE REMOVAL AND DISPOSAL.
- THERE HAS BEEN NO PREVIOUS HAZARDOUS MATERIALS REMEDIATION PERFORMED IN THE BUILDING.

ASBESTOS LEGEND (THIS SHEET ONLY)

- X-1 ACM PIPE FITTING
- WD WINDOW/DOOR PERIMETER ACM CAULKING
- ACM FLOOR TILE WITH ACM ADHESIVE
- ACM FLOOR TILE AND ACM ADHESIVE BELOW CARPET
- NON-ACM FLOOR TILE WITH ACM ADHESIVE
- ASBESTOS INSULATION IN PIPE RISER
- ASBESTOS INSULATION ON HORIZONTAL PIPES

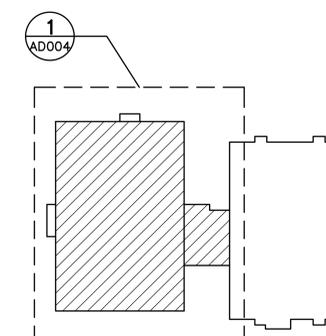
PCB SAMPLES (THIS SHEET ONLY)

- PCB-00XX PCB SAMPLE NUMBER

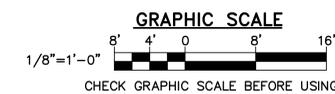
HAZARDOUS MATERIAL SCHEDULE

PHASE 1 (1951 BUILDING & CONNECTOR)

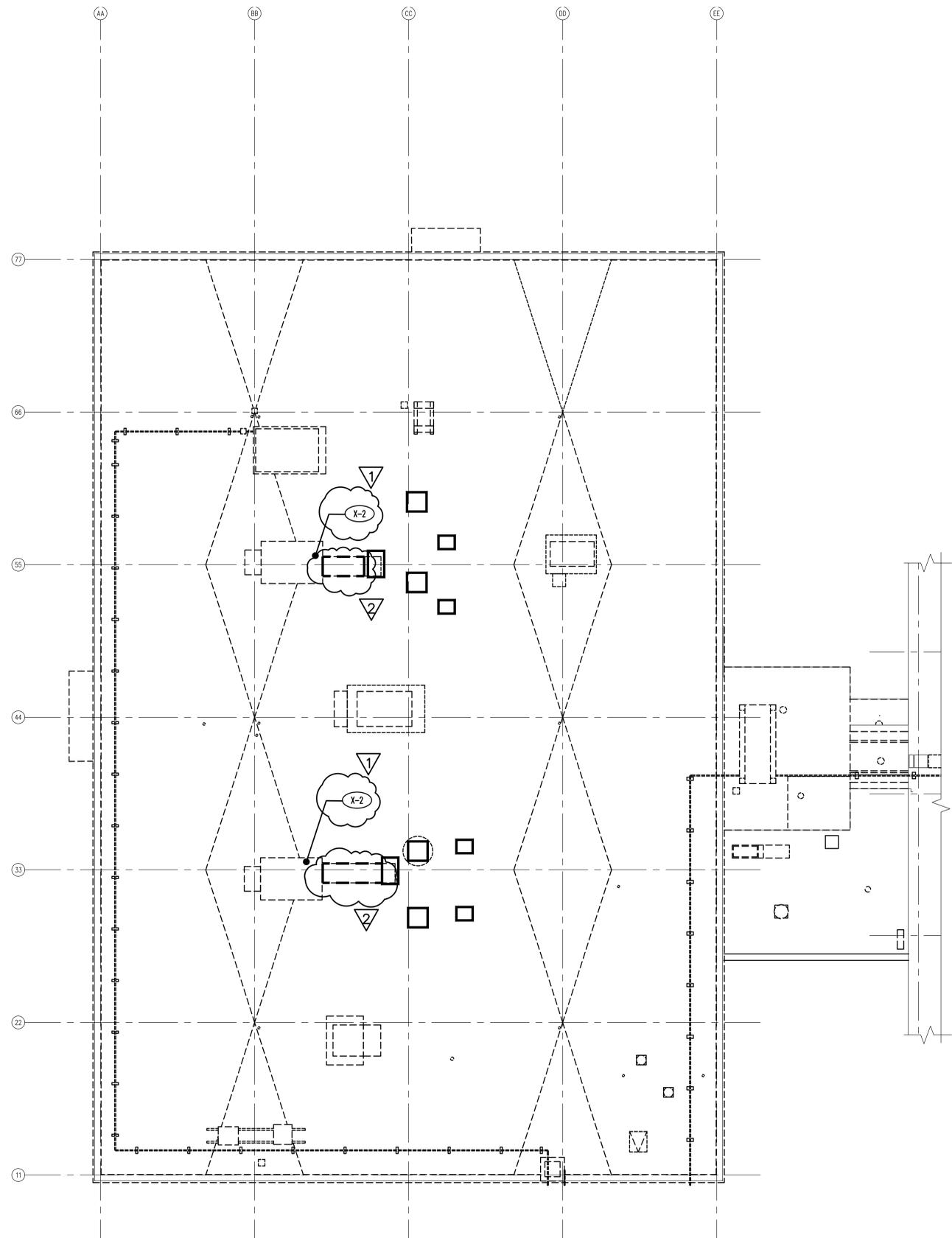
HOMOGENEOUS AREA SAMPLING LOCATION - TYPE OF MATERIAL	QUANTITY
ACM FLOOR TILE AND ACM ADHESIVE	APPROX. 495 SF
ACM FLOOR TILE & ACM ADHESIVE BELOW CARPET	APPROX. 12,800 SF
ACM ADHESIVE BELOW NON-ACM CERAMIC TILE	APPROX. 400 SF
ACM INSULATED PIPE FITTINGS ASSOCIATED WITH FIBERGLASS PIPE INSULATION	34 EACH
ACM/PCB WINDOW FRAME CAULKING-SEE GENERAL NOTE 6 AND PCB NOTE 1 THIS SHEET	40
ACM/PCB DOOR FRAME CAULKING-SEE GENERAL NOTE 6 AND PCB NOTE 1 THIS SHEET	1 EACH



KEY PLAN



		STATE OF MAINE BGS TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION AUGUSTA, MAINE TITLE THIS DWG. HAZARDOUS MATERIALS THIRD FLOOR PLAN
2/13/26 ADDENDUM 5 1/23/26 ADDENDUM 3	DRAWN BY: SMC CHECK BY: JBL	OAK POINT ASSOCIATES AD004 DRAWING NO. AD004 SHEET NO. 42 of 206
REVISIONS NO. DATE DESCRIPTION BY	DATE 12/16/2025	211 Main Street, Biddeford, Maine 04005 207.283.9133



GENERAL NOTES

1. SEE GENERAL NOTES ON SHEET G-001.
2. SEE SPECIFICATION SECTIONS 003126 EXISTING HAZARDOUS MATERIAL INFORMATION, 028200 ASBESTOS REMEDIATION, 028300 LEAD, CHROMIUM, AND CADMIUM REMEDIATION, 028400 PCB REMEDIATION FOR ADDITIONAL INFORMATION.
3. THE CONTRACTOR MUST REMOVE AND DISPOSE OF ALL HAZARDOUS MATERIALS.
4. THE CONTRACTOR MUST ASSUME THAT ALL PAINTED SURFACES CONTAIN LEAD, CADMIUM, AND CHROMIUM AND COMPLY WITH MAINE STATE DEP, FEDERAL EPA, AND OSHA REGULATIONS FOR REMOVAL AT DISTURBED SURFACES AND DISPOSAL. SEE SPECIFICATION SECTION 028300 "LEAD, CHROMIUM, AND CADMIUM REMEDIATION"
5. ALL LIGHTING FIXTURE BALLASTS NOT LABELED "DOES NOT CONTAIN PCB'S" SHALL BE ASSUMED TO CONTAIN PCB'S. FOR BIDDING PURPOSES ASSUME A TOTAL OF 600 BALLASTS CONTAIN PCB'S. ALL FLUORESCENT LIGHTING LAMPS SHALL BE ASSUMED TO CONTAIN MERCURY--ASSUME A TOTAL OF 1500 FOUR FOOT TUBES. ASSUME A TOTAL OF 17 MERCURY--CONTAINING THERMOSTATS AND 5 EXIT SIGN/BATTERIES. SEE SPECIFICATION SECTION 028416 "HANDLING OF LIGHTING BALLASTS AND LAMPS CONTAINING PCB'S AND MERCURY" FOR ADDITIONAL REQUIREMENTS.
6. ALL EXISTING EXTERIOR DOORS AND WINDOWS SHALL BE ASSUMED TO CONTAIN ASBESTOS CAULKING AND REQUIRE REMOVAL AND DISPOSAL.
7. THERE HAS BEEN NO PREVIOUS HAZARDOUS MATERIALS REMEDIATION PERFORMED IN THE BUILDING.

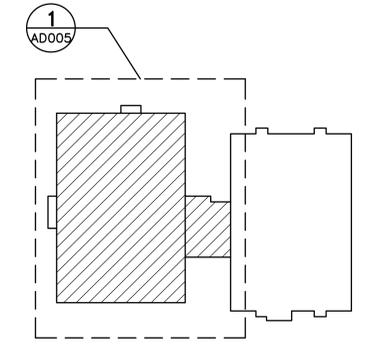
ASBESTOS LEGEND (THIS SHEET ONLY)

- (X-1) ACM PIPING ELBOWS
- [Symbol] ASBESTOS CURBING FELT UNDER EPDM
- (2) [Symbol] ASBESTOS CAULKING AT ROOFTOP UNITS

HAZARDOUS MATERIAL SCHEDULE

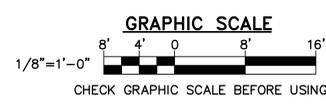
PHASE 1 (1951 BUILDING & CONNECTOR)

HOMOGENEOUS AREA SAMPLING LOCATION - TYPE OF MATERIAL	QUANTITY
ROOF CURBING FELTS	APPROX. 75 SF
ACM INSULATED PIPE FITTINGS	4 EACH
ACM CAULKING AT ROOFTOP UNITS	40 LF



KEY PLAN
PLAN NORTH

1 HAZARDOUS MATERIAL ROOF PLAN
AD005 SCALE: 1/8"=1'-0"
PLAN NORTH



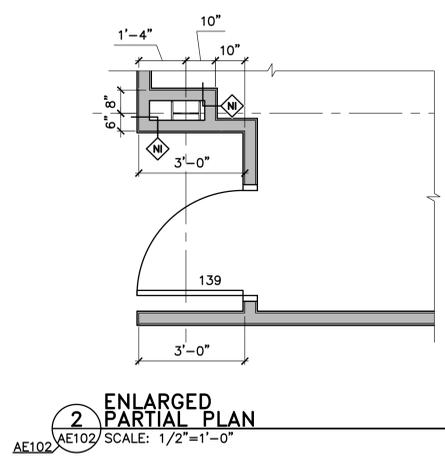
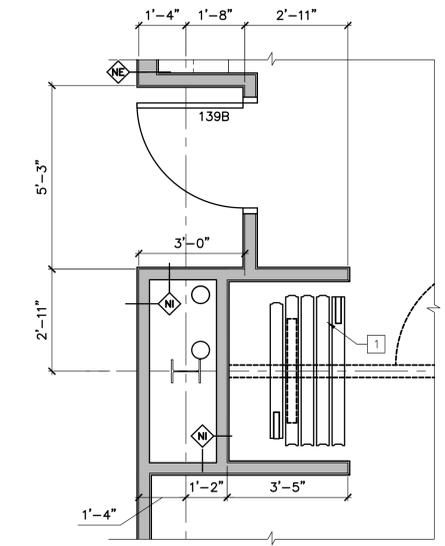
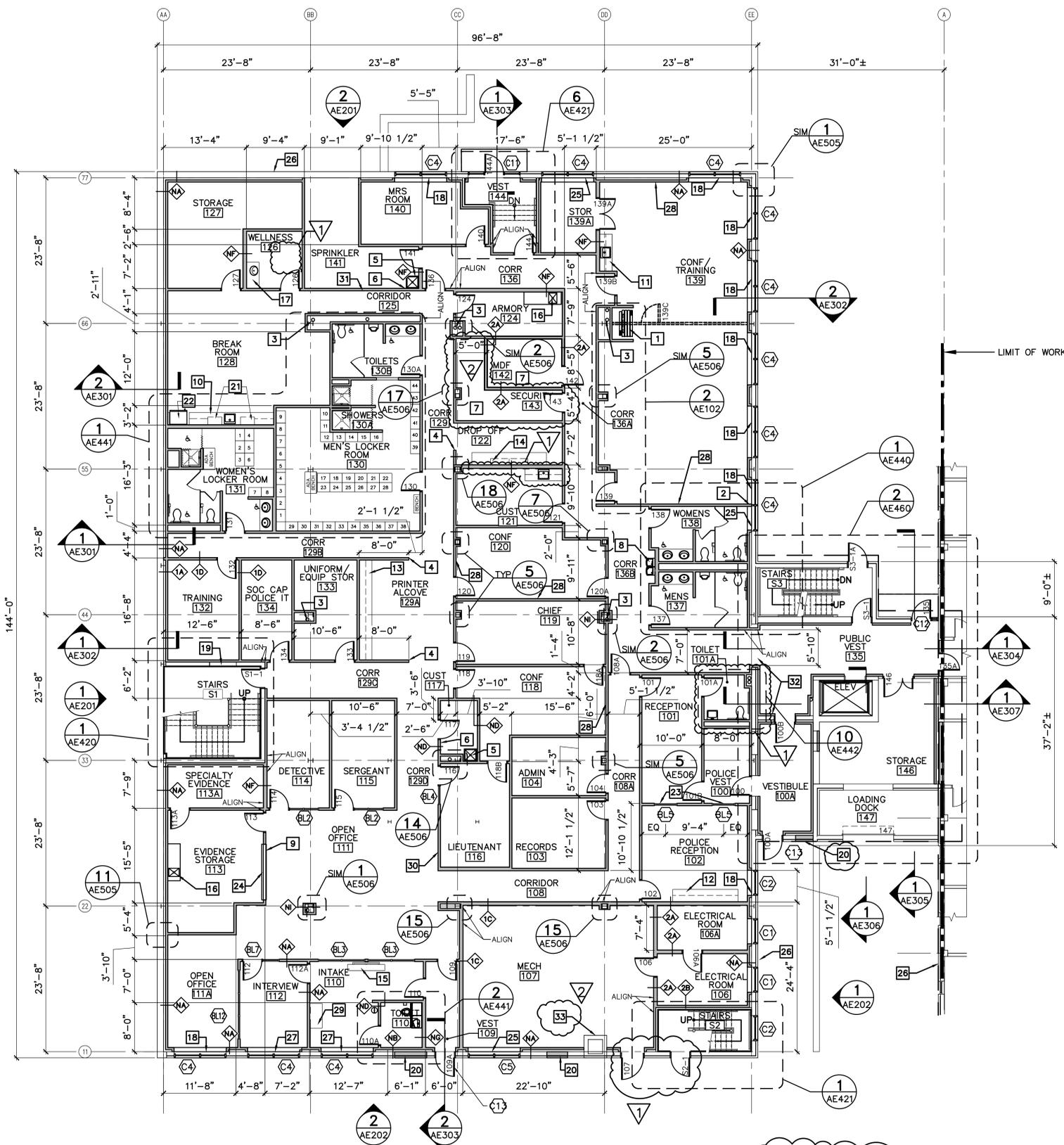
		STATE OF MAINE BGS TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION AUGUSTA, MAINE TITLE THIS DWG. HAZARDOUS MATERIALS ROOF PLAN	
2/13/26 1/23/26 NO. DATE DESCRIPTION BY	ADDENDUM 5 ADDENDUM 3 REVISIONS	DRAWN BY: SMC CHECK BY: JBL NO. DATE	OAK POINT ASSOCIATES AD005 221 Main Street, Biddeford, Maine 04005

GENERAL NOTES (THIS SHEET ONLY)

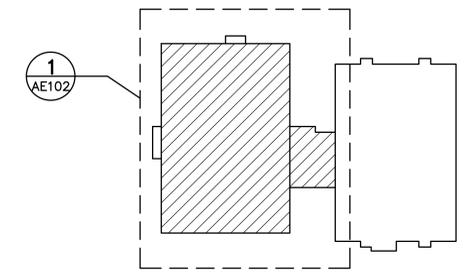
- SEE GENERAL NOTES ON SHEET G001
- SEE MECHANICAL, PLUMBING, ELECTRICAL, AND STRUCTURAL SHEETS FOR ADDITIONAL INFORMATION
- ALL WALLS TO BE TYPE NC UNLESS NOTED OTHERWISE—SEE SHEET AE001 FOR WALL TYPES.
- PROVIDE OPENINGS AT FLOOR SLABS FOR DUCTWORK, PLUMBING, SPRINKLER PIPING AND ELECTRICAL CONDUIT. SEE MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL SHEETS FOR LOCATIONS AND SIZES. SEE FLOOR FIRE STOPPING DETAIL 6/AE401.

KEYNOTES (THIS SHEET ONLY)

- OPERABLE PARTITION; SEE DETAIL 2/AE702
- CENTER WALL ON WINDOW MULLION
- RAIN LEADER, COORDINATE WITH PLUMBING SHEETS
- CORNER GUARD
- FLOOR MOUNTED CUSTODIAL SINK, COORDINATE WITH PLUMBING DRAWINGS
- MOP HOLDER, SEE TOILET ACCESSORY SCHEDULE AE440
- PLYWOOD BACKBOARD (TYP 3 WALLS), SEE DETAIL 8/AE401
- WALL MOUNTED ELECTRIC WATER COOLER
- OWNER PROVIDED, CONTRACTOR INSTALLED, PASS THRU EVIDENCE LOCKER, SEE 8/AE740
- SEE 1/AE740 FOR BREAK ROOM—128 CASEWORK INT ELEV
- SEE 2/AE740 FOR CONF/TRAINING—139 CASEWORK INT ELEV
- SEE 3/AE740 FOR POLICE RECEPTION—102 CASEWORK INT ELEV
- SEE 5/AE740 FOR PRINTER ALCOVE—129A CASEWORK INT ELEV
- SEE 6/AE740 FOR DROP-OFF—122 CASEWORK INT ELEV
- BASIS OF DESIGN BENCH — KRYPTOMAX FLOOR MOUNT BENCH WITH INTEGRATED HANDCUFF BAR.
- SEE PLUMBING SHEETS FOR STAINLESS STEEL SINK/COUNTER
- SEE 9/AE740 FOR WELLNESS—126 CASEWORK INT ELEV
- INSIDE MOUNT, LIGHT FILTERING WINDOW SHADE
- INFILL WALL WITH CMU TO MATCH ADJACENT
- INFILL EXTERIOR MASONRY WALL TO MATCH ADJACENT EXISTING
- MICROWAVE
- REFRIGERATOR/FREEZER
- SEE 4/AE740 FOR POLICE VEST—100 AND INTERVIEW—101 CASEWORK INT ELEV
- SEE 8/AE740 FOR EVIDENCE STOR—113 INT ELEV
- PROVIDE TRANSLUCENT WINDOW FILM ON GLAZING
- INFILL HOLES AT CONCRETE FOUNDATION WALL AT REMOVED UTILITIES—SEE CIVIL SHEETS
- INSIDE MOUNT, LIGHT FILTERING CORDLESS WINDOW SHADE
- PROVIDE SOLID 2X6 FRT WOOD BLOCKING FOR WALL MOUNTED TV AT 5'-6"± AFF, MINIMUM 6'-8" WIDTH CENTERED ON WALL INDICATED
- SEE 16/AE741 FOR INTAKE ROOM—110 CASEWORK INT ELEV
- PROVIDE SOLID 2X6 FRT WOOD BLOCKING FOR FOUR WALL MOUNTED MONITORS (2/2), COORDINATE HEIGHTS AND LOCATION WITH OWNER
- PROVIDE SOLID 2X6 FRT WOOD BLOCKING FOR WALL MOUNTED SHELF AT 6'-0" AFF—FULL LENGTH OF WALL
- PROVIDE OPENINGS ABOVE CEILING AT EXISTING MASONRY WALLS (THICKNESS VARIES 4-12") FOR DUCTWORK, PLUMBING, SPRINKLER PIPING AND ELECTRICAL CONDUITS. PROVIDE METAL SLEEVES, MINERAL WOOL PACKING AND SEALANT AT PENETRATION PERIMETER. SEE MECHANICAL PLUMBING, FIRE PROTECTION AND ELECTRICAL SHEETS FOR LOCATIONS AND SIZES.
- PROVIDE OPENING AT MASONRY CHIMNEY FOR INSTALLATION OF METAL FLUE—INFILL OPENING AND EXISTING OPENING(S) WITH MASONRY TO MATCH EXISTING AFTER METAL FLUE INSTALLATION

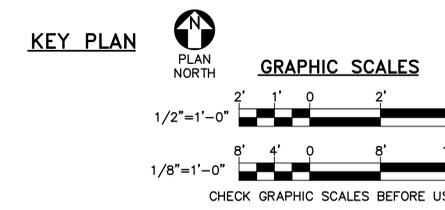


ENLARGED PARTIAL PLAN
2 AE102 SCALE: 1/2"=1'-0"



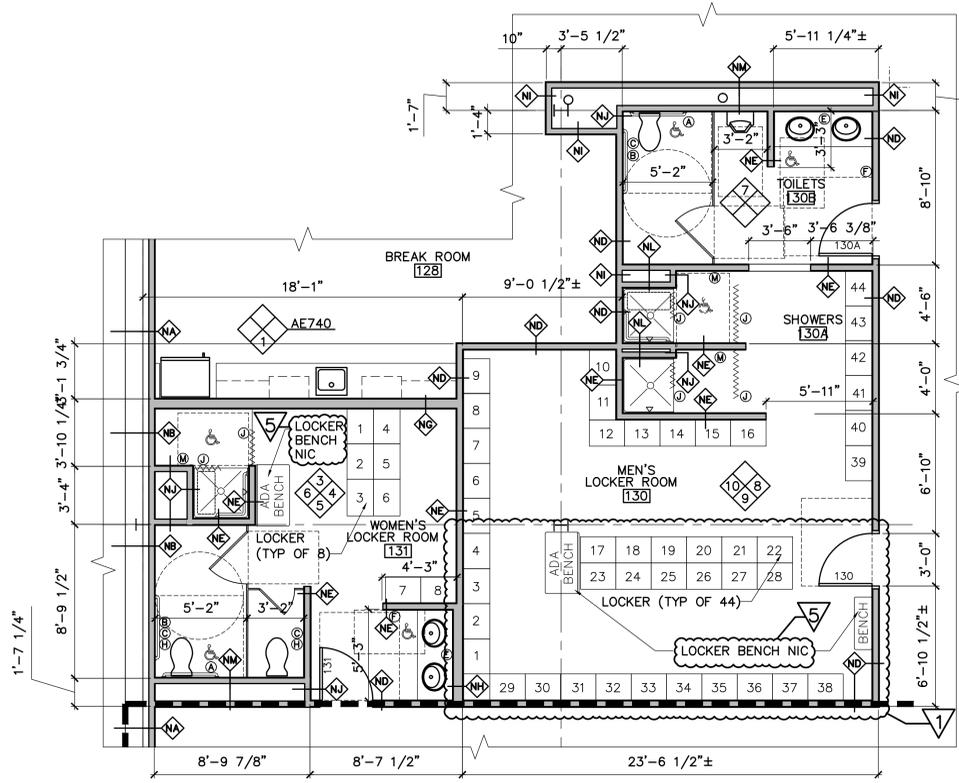
1 FIRST FLOOR PLAN
AE102 SCALE: 1/8"=1'-0"
PLAN NORTH

NOTE: CRITICAL OPERATIONS POWER SYSTEM (COPS) AREA BOUNDARY NOT SHOWN FOR CLARITY—SEE SHEET EP101

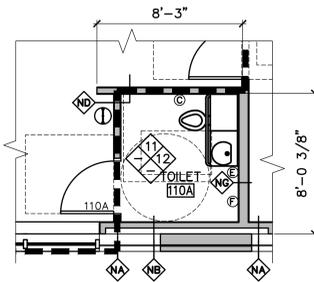


REVISIONS		NO.		DATE	
2/13/26	ADDENDUM 5	KLJ	SMC	12/16/2025	
1/23/26	ADDENDUM 3	BY	CHECK BY: JBL		

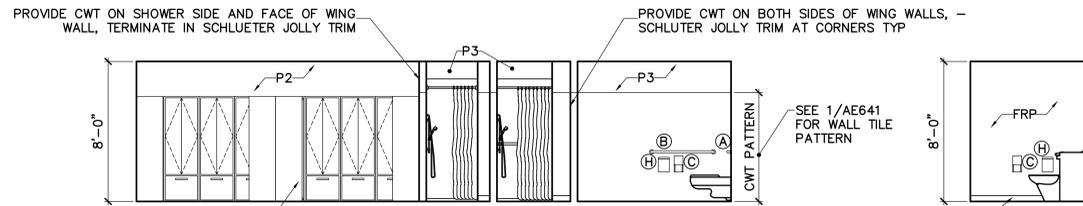
STATE OF MAINE		BGS	
221 STATE STREET BUILDING RENOVATIONS			
BGS PROJECT NO. 3143			
LOCATION: AUGUSTA, MAINE			
TITLE THIS DWG: FIRST FLOOR PLAN			
DRAWING NO. AE102		SHEET NO. 73 OF 206	



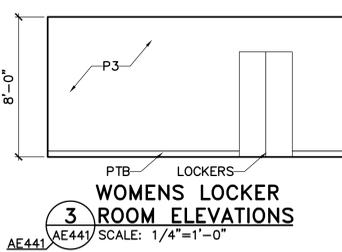
1 ENLARGED FIRST FLOOR LOCKER ROOM PLANS
 AE102/AE441 SCALE: 1/4"=1'-0"



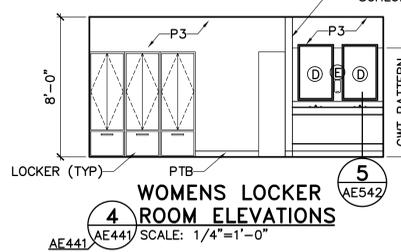
2 ENLARGED FIRST FLOOR TOILET ROOM PLANS
 AE102/AE441 SCALE: 1/4"=1'-0"



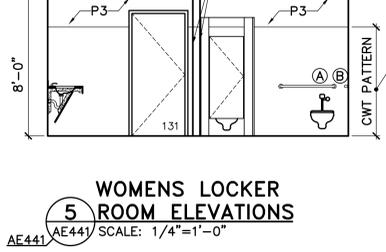
10 MENS LOCKER ROOM ELEVATIONS
 AE441 SCALE: 1/4"=1'-0"



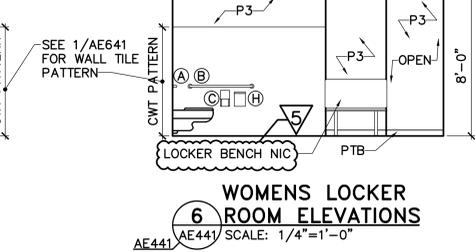
3 WOMENS LOCKER ROOM ELEVATIONS
 AE441/AE441 SCALE: 1/4"=1'-0"



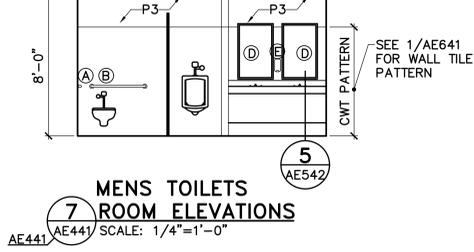
4 WOMENS LOCKER ROOM ELEVATIONS
 AE441/AE441 SCALE: 1/4"=1'-0"



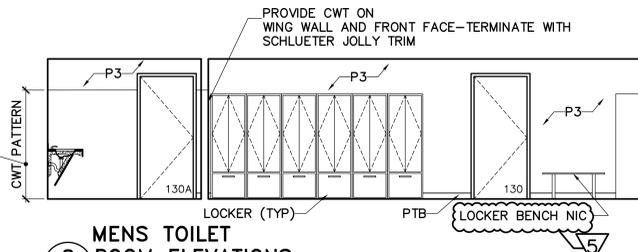
5 WOMENS LOCKER ROOM ELEVATIONS
 AE441/AE441 SCALE: 1/4"=1'-0"



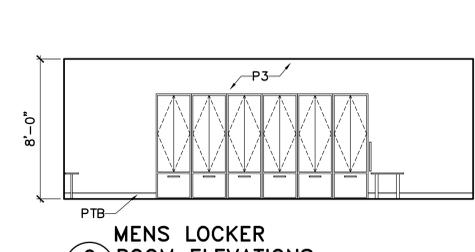
6 WOMENS LOCKER ROOM ELEVATIONS
 AE441/AE441 SCALE: 1/4"=1'-0"



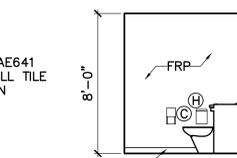
7 MENS TOILETS ROOM ELEVATIONS
 AE441/AE441 SCALE: 1/4"=1'-0"



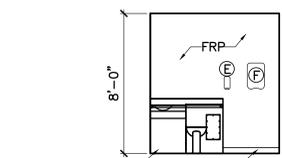
8 MENS TOILET ROOM ELEVATIONS
 AE441/AE441 SCALE: 1/4"=1'-0"



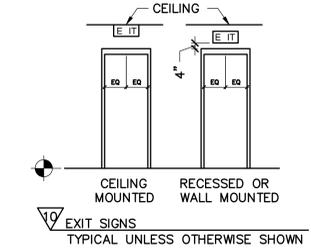
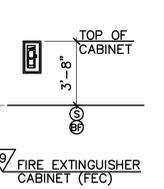
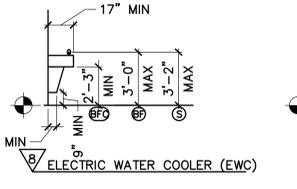
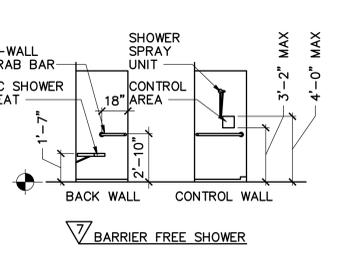
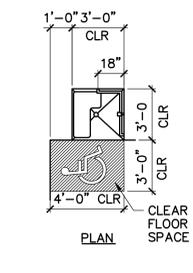
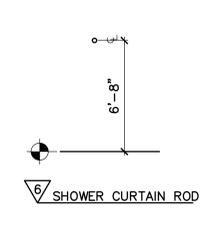
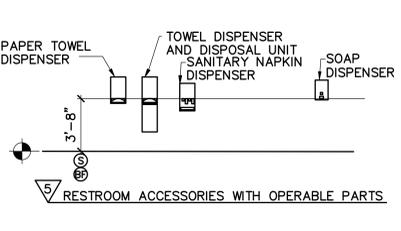
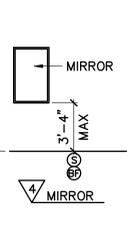
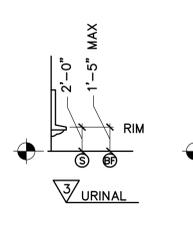
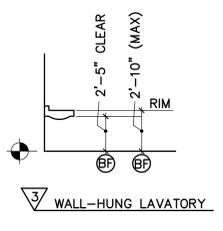
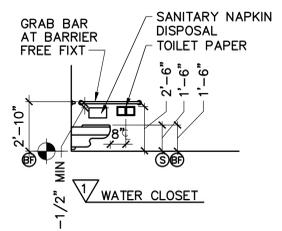
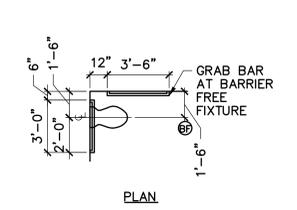
9 MENS LOCKER ROOM ELEVATIONS
 AE441/AE441 SCALE: 1/4"=1'-0"



11 FIRST FLOOR TOILET ROOM ELEVATIONS
 AE441/AE441 SCALE: 1/4"=1'-0"



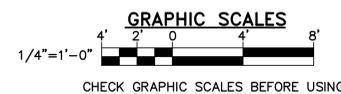
12 FIRST FLOOR TOILET ROOM ELEVATIONS
 AE441/AE441 SCALE: 1/4"=1'-0"



15 STANDARD MOUNTING HEIGHTS
 AE441 SCALE: 1/4"=1'-0"

LEGEND

- STANDARD MOUNTING HEIGHT
- BARRIER FREE ADULT MOUNTING HEIGHT
- ◆ FINISH FLOOR LINE



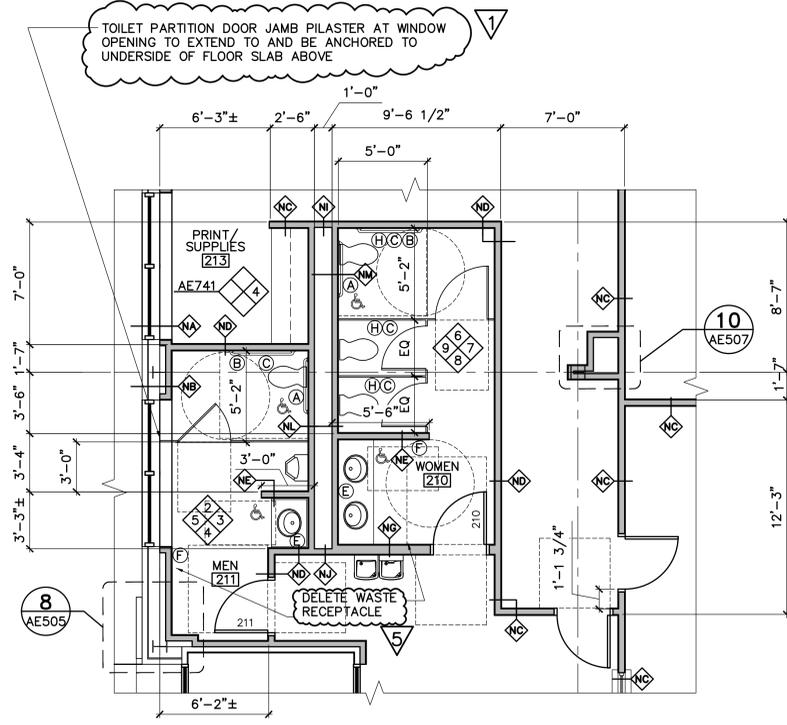
GENERAL NOTES

- (THIS SHEET ONLY)
- SEE SHEET G001 FOR GENERAL NOTES AND ABBREVIATIONS.
 - SEE SHEET AE440 FOR TOILET ROOM ACCESSORY SCHEDULE.

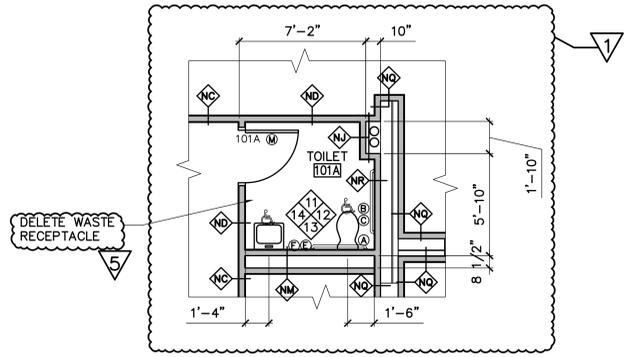
NOTES FOR MOUNTING HEIGHTS

- MOUNT ALL FIXTURES AT STANDARD MOUNTING HEIGHT UNLESS INDICATED ON PLAN BY A & SYMBOL. A & SYMBOL AT ANY FIXTURES SHALL INCLUDE ALL ACCESSORIES ASSOCIATED WITH THAT FIXTURE.

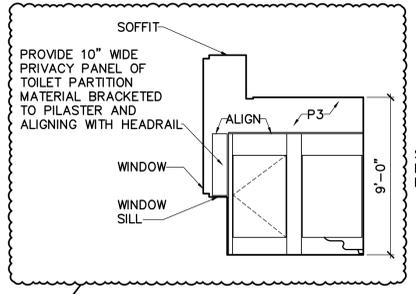
		STATE OF MAINE BGS TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION AUGUSTA, MAINE TITLE THIS DWG.	
TOILET ROOM PLANS AND ELEVATIONS 2		OAK POINT ASSOCIATES AE441	
2/13/26 1/23/26	ADDENDUM 5 ADDENDUM 3	KLG KLG	DRAWN BY: SMC CHECK BY: JBL
REVISIONS		NO.	DATE
12/16/2025		94	OF 206



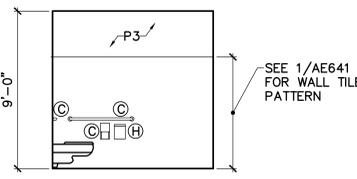
1 ENLARGED SECOND FLOOR TOILET ROOM PLANS
 AE103/AE442 SCALE: 1/4"=1'-0"



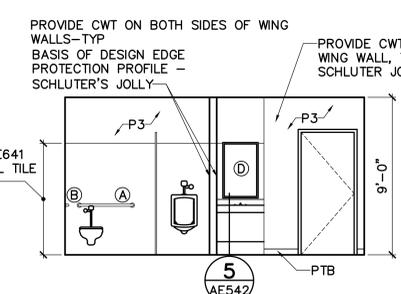
10 ENLARGED FIRST FLOOR TOILET ROOM PLANS
 AE102/AE442 SCALE: 1/4"=1'-0"



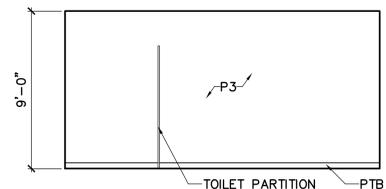
2 SECOND FLOOR TOILET ROOM ELEVATIONS
 AE442/AE442 SCALE: 1/4"=1'-0"



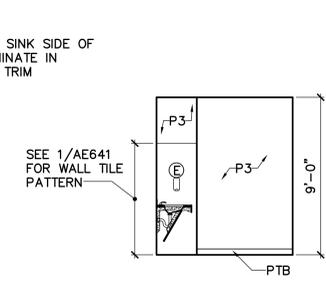
6 SECOND FLOOR TOILET ROOM ELEVATIONS
 AE442/AE442 SCALE: 1/4"=1'-0"



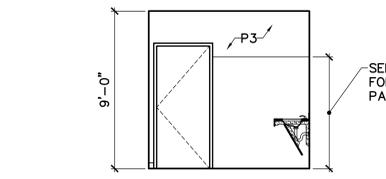
3 SECOND FLOOR TOILET ROOM ELEVATIONS
 AE442/AE442 SCALE: 1/4"=1'-0"



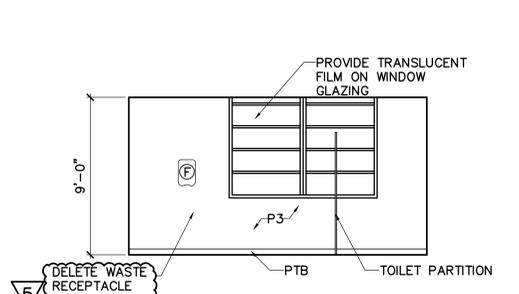
7 SECOND FLOOR TOILET ROOM ELEVATIONS
 AE442/AE442 SCALE: 1/4"=1'-0"



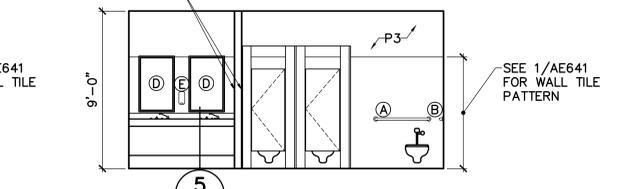
4 SECOND FLOOR TOILET ROOM ELEVATIONS
 AE442/AE442 SCALE: 1/4"=1'-0"



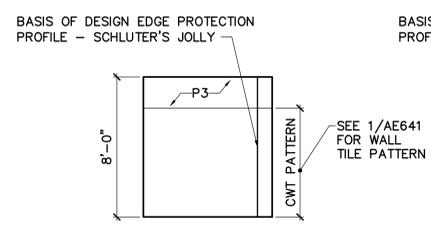
8 SECOND FLOOR TOILET ROOM ELEVATIONS
 AE442/AE442 SCALE: 1/4"=1'-0"



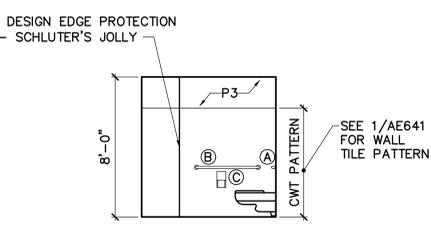
5 SECOND FLOOR TOILET ROOM ELEVATIONS
 AE442/AE442 SCALE: 1/4"=1'-0"



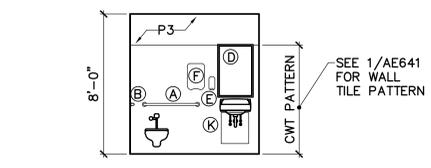
9 SECOND FLOOR TOILET ROOM ELEVATIONS
 AE442/AE442 SCALE: 1/4"=1'-0"



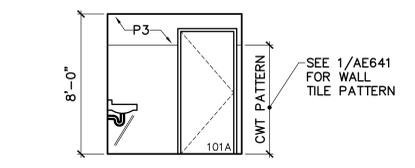
11 FIRST FLOOR TOILET ROOM ELEVATIONS
 AE442/AE441 SCALE: 1/4"=1'-0"



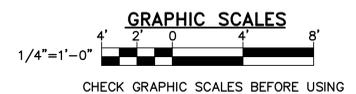
12 FIRST FLOOR TOILET ROOM ELEVATIONS
 AE442/AE441 SCALE: 1/4"=1'-0"



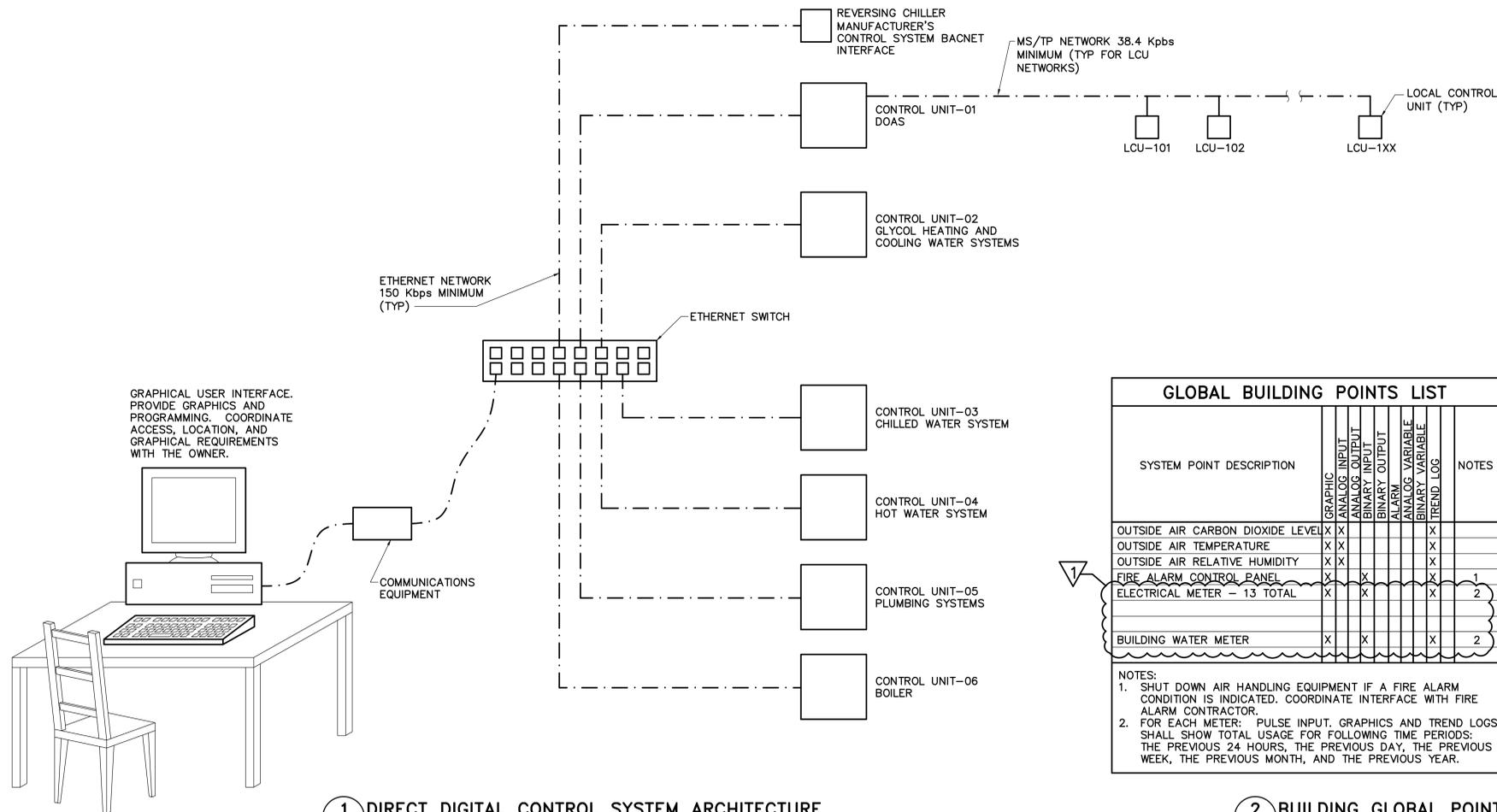
13 FIRST FLOOR TOILET ROOM ELEVATIONS
 AE442/AE441 SCALE: 1/4"=1'-0"



14 FIRST FLOOR TOILET ROOM ELEVATIONS
 AE442/AE441 SCALE: 1/4"=1'-0"



		STATE OF MAINE BGS TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION AUGUSTA, MAINE TITLE THIS DWG.
2/13/26 1/23/26	ADDENDUM 5 ADDENDUM 3	KLG KLG
NO. DATE REVISIONS	DESCRIPTION BY	DRAWN BY: SMC CHECK BY: JBL
NO. DATE	NO. DATE	NO. DATE
OAK POINT ASSOCIATES AE442		TOILET ROOM PLANS AND ELEVATIONS 3 95 OF 206

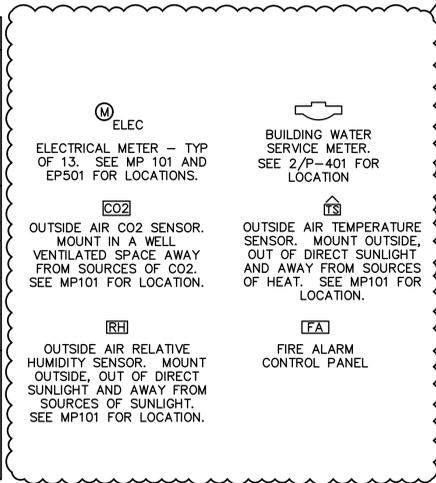


1 DIRECT DIGITAL CONTROL SYSTEM ARCHITECTURE
M-701 SCALE: NOT TO SCALE

GLOBAL BUILDING POINTS LIST										
SYSTEM POINT DESCRIPTION	GRAPHIC	ANALOG INPUT	ANALOG OUTPUT	BINARY INPUT	BINARY OUTPUT	ALARM	ANALOG VARIABLE	BINARY VARIABLE	TREND LOGS	NOTES
OUTSIDE AIR TEMPERATURE	X	X								
OUTSIDE AIR RELATIVE HUMIDITY	X	X								
FIRE ALARM CONTROL PANEL	X									1
ELECTRICAL METER - 13 TOTAL	X		X							2
BUILDING WATER METER	X		X							2

NOTES:
1. SHUT DOWN AIR HANDLING EQUIPMENT IF A FIRE ALARM CONDITION IS INDICATED. COORDINATE INTERFACE WITH FIRE ALARM CONTRACTOR.
2. FOR EACH METER: PULSE INPUT, GRAPHICS AND TREND LOGS SHALL SHOW TOTAL USAGE FOR FOLLOWING TIME PERIODS: THE PREVIOUS 24 HOURS, THE PREVIOUS DAY, THE PREVIOUS WEEK, THE PREVIOUS MONTH, AND THE PREVIOUS YEAR.

2 BUILDING GLOBAL POINT CONTROL DIAGRAM
M-701 SCALE: NOT TO SCALE

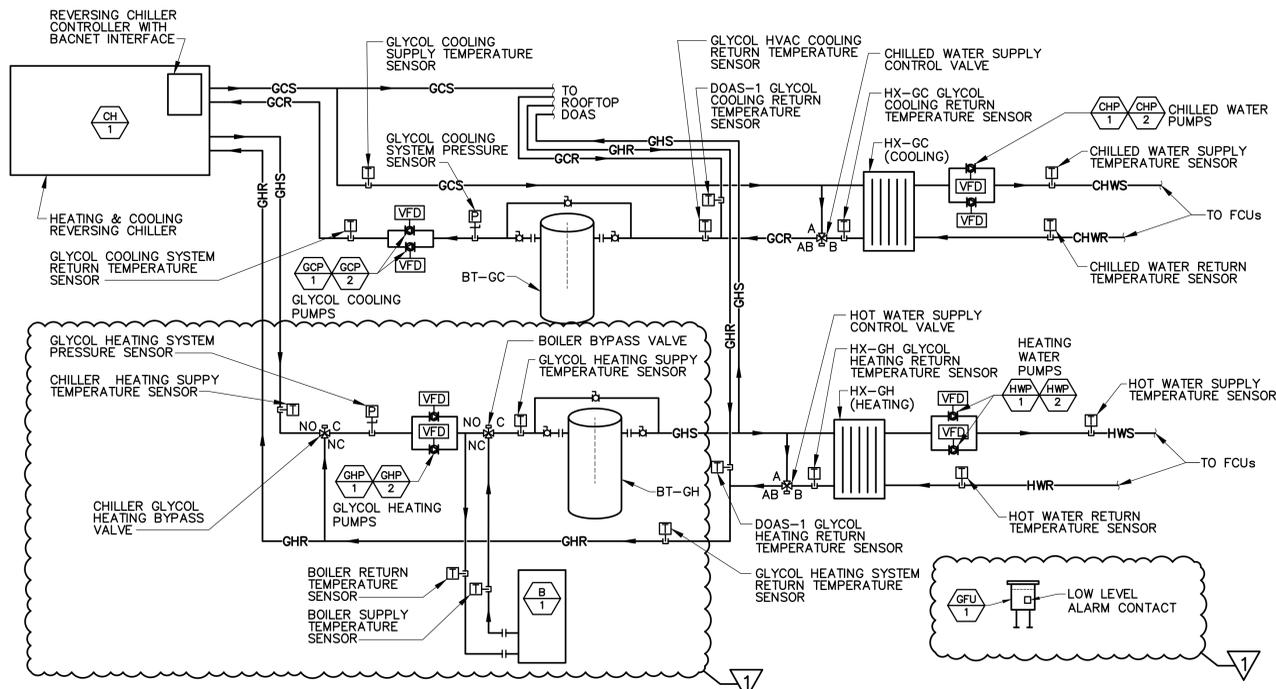


- ### CONTROL SYSTEM GENERAL NOTES
- ALARMS SHALL BE ANNUNCIATED ON THE NEW GRAPHICAL USER INTERFACE (GUI) COMPUTERS.
 - SETTINGS, MODES, AND SETPOINTS THAT ARE INDICATED AS BEING ADJUSTABLE SHALL BE ADJUSTABLE BY THE BUILDING OPERATOR THROUGH THE GUI WITHOUT THE NEED TO CHANGE OR EDIT PROGRAMMING.
 - ALL INPUTS AND OUTPUTS SERVING A SINGLE PIECE OF EQUIPMENT (AHU, HEAT PUMP, ETC) SHALL BE WIRED TO A SINGLE CONTROLLER (WITH EXPANSION PANELS IF NECESSARY).
 - DISPLAY OF HISTORICAL TREND DATA SHALL BE AVAILABLE TO THE OWNER THROUGH A POINT-AND-CLICK ICON ON THE GUI COMPUTERS.
 - ANALOG DATA SHALL BE TRENDED AT REGULAR INTERVALS, DETERMINED BY THE EXPECTED RATE OF CHANGE OF THE DATA, AND SHALL BE ARCHIVED AND STORED ON THE GUI COMPUTER.
 - BINARY DATA SHALL BE TRENDED ON A CHANGE OF STATE BASIS AND SHALL BE ARCHIVED AND STORED ON THE GUI COMPUTER.
 - COORDINATE FINAL GUI COMPUTER LOCATION WITH OWNER.
 - ALL LOW-VOLTAGE AND CONTROL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE CEILINGS.
 - ALL WALL MOUNTED SENSORS SHALL HAVE WHITE COVERS.
 - THE CONTROL SYSTEM SHALL CONSIST OF A HIGH-SPEED, PEER-TO-PEER NETWORK OF DDC CONTROLLERS, A CONTROL SYSTEM SERVER, AND A WEB-BASED OPERATOR INTERFACE. DDC SYSTEM IS FOR MONITORING AND CONTROLLING VARIOUS HVAC SYSTEMS. THE CONTROL SYSTEM SHALL BE SEAMLESSLY INTEGRATED WITH THE STATE OF MAINE BUILDING CONTROL CENTER (BCC) WHICH PROVIDES 24 HOURS A DAY, 7 DAYS A WEEK, 365 DAYS A YEAR MONITORING OF STATE FACILITIES. THE HVAC CONTROLS SHALL BE AN EXTENSION OF THE EXISTING HONEYWELL ENTERPRISE BUILDING INTEGRATOR (EBI) WITH HOST SERVER HARDWARE LOCATED IN AUGUSTA MAINE. THE BUILDING AUTOMATION SYSTEM (BAS) SHALL ENABLE MONITORING AND CONTROL OF MECHANICAL SYSTEMS INSTALLED UNDER THE SCOPE OF THIS PROJECT THROUGH TO THE BCC. INTEGRATION OF HVAC SYSTEM, PANELS, ASSOCIATED DEVICES, FRONT-END PROGRAMMING, AND GRAPHICS IS PROPRIETARY TO HONEYWELL INTERNATIONAL INC. CONTACT: JEFFREY BARKER, SENIOR ACCOUNT EXECUTIVE, HONEYWELL BUILDING TECHNOLOGIES; JEFFREY.BARKER@HONEYWELL.COM.
 - DDC SYSTEM SHALL INTERFACE WITH AN EXISTING BCC BUILDING CONTROL CENTER ENTERPRISE SYSTEM TO ADHERE TO OWNER STANDARDS ALREADY IN-PLACE AND TO ACHIEVE INTEGRATION. INTEGRATION IS LIMITED TO 3 STATE OF MAINE NETWORK CONNECTIONS.
 - ENGAGE OWNER'S CONTROL SYSTEM INTEGRATOR HONEYWELL EBI TO PROVIDE THE FOLLOWING SERVICES:
 - SYSTEM EXPANSION AND DEVELOPMENT OF GRAPHICS, LOGS, REPORTS, TRENDS, AND OTHER OPERATIONAL CAPABILITIES OF ENTERPRISE SYSTEM FOR I/O BEING ADDED TO DDC CONTROL SYSTEM FOR USE BY ENTERPRISE SYSTEM OPERATORS.
 - ASSISTANCE DURING COMMISSIONING TO EXTENT OF DDC SYSTEM INTEGRATION WITH EXISTING ENTERPRISE SYSTEM.
 - PREPARE ON-SITE DEMONSTRATION MOCKUP OF INTEGRATION OF DDC SYSTEM TO BE INSTALLED WITH EXISTING SYSTEM BEFORE INSTALLING DDC SYSTEM.
 - REPORTS AND LOGS SHALL BE PROVIDED VIA THE EXISTING HONEYWELL EBI SYSTEM.
 - THE STATE OF MAINE HAS A REQUIREMENT FOR NO LOCAL SPACE TEMPERATURE SENSOR CONTROL BY OCCUPANTS. SPACE SENSOR CONTROL WILL FOLLOW STATE STANDARD OF 68 DEGREES FOR HEATING AND 75 DEGREES FOR COOLING.
 - THE STATE OF MAINE USES FORGE, AN INTUITIVE PROGRAM THAT USES ANALYTICS TO REPORT ABNORMALITIES WITHIN THE HVAC SYSTEMS. PROVIDE ASSET INTEGRATION INTO FORGE.
 - THE STATE OF MAINE USES COMMAND & CONTROL, AN INTELLIGENT SOLUTION, THAT PROVIDES A MORE EFFECTIVELY MONITORING, OPTIMIZATION, AND AUTOMATE ESSENTIAL FUNCTIONS, FOR ENERGY MANAGEMENT AND HVAC ASSETS WILL REQUIRE MODIFICATIONS TO THE CURRENT FACILITY COMMAND AND CONTROL SUITE MODEL.
 - LICENSING - PROVIDE REQUIRED ADDITIONAL HONEYWELL EBI HVAC LICENSING POINTS.

CONTROL VALVE SCHEDULE										
TAG	QTY	EQUIPMENT SERVED	SYSTEM SERVED	LOCATION	TYPE	ACTION	WATER VALVES		FAIL POSITION	NOTES
							GPM	SIZING		
CHILLED WATER SUPPLY VALVE	1	HX-GC	CHILLED WATER	MECH 107	3-WAY MIXING	MODULATING	88.9	3 PSI WPD MAX	OPEN TO BYPASS	1
HOT WATER SUPPLY VALVE	1	HX-GH	HOT WATER	MECH 107	3-WAY MIXING	MODULATING	131.6	3 PSI WPD MAX	OPEN TO EXCHANGER	1
CHILLER HEATING BYPASS VALVE	1	CH-1	GLYCOL HEATING	MECH 107	3-WAY MIXING	2-POSITION	189.7	LINE SIZE	OPEN TO CHILLER	1
BOILER BYPASS VALVE	1	B-1	GLYCOL HEATING	MECH 107	3-WAY MIXING	MODULATING	189.7	3 PSI WPD MAX	CLOSED TO BOILER	1
FCU COOLING COIL VALVE	55	FCUs	ZONE COOLING	VARIOUS	2-WAY	MODULATING	NOTE 2	3 PSI WPD MAX	CLOSED	
FCU HEATING COIL VALVE	55	FCUs	ZONE HEATING	VARIOUS	2-WAY	MODULATING	NOTE 2	3 PSI WPD MAX	OPEN	
FCU COOLING COIL VALVE	11	FCUs 1-10, 1-12, 1-13, 2-10, 2-19, 2-20, 2-22, 3-6, 3-9, 3-19, 3-23	ZONE COOLING	VARIOUS	3-WAY MIXING	MODULATING	NOTE 2	3 PSI WPD MAX	CLOSED TO COIL	
FCU HEATING COIL VALVE	11	FCUs 1-10, 1-12, 1-13, 2-10, 2-19, 2-20, 2-22, 3-6, 3-9, 3-19, 3-23	ZONE HEATING	VARIOUS	3-WAY MIXING	MODULATING	NOTE 2	3 PSI WPD MAX	OPEN TO COIL	
DOAS COOLING COIL VALVE	1	DOAS-1	VENTILATION	ROOFTOP	3-WAY MIXING	MODULATING	47	3 PSI WPD MAX	CLOSED TO COIL	1
DOAS HEATING COIL VALVE	1	DOAS-1	VENTILATION	ROOFTOP	3-WAY MIXING	MODULATING	58	3 PSI WPD MAX	OPEN TO COIL	1
CAV REHEAT COIL	3	CAV 1-4, CAV 1-5, CAV 1-6	VENT & HTG	VARIOUS	2-WAY	MODULATING	NOTE 3	3 PSI WPD MAX	OPEN TO COIL	
PANEL RADIATORS	6	PRs	ZONE HEATING	VARIOUS	2-WAY	2-POSITION	NOTE 4	LINE SIZE	OPEN	
CABINET UNIT HEATER	5	CUHs	ZONE HEATING	VARIOUS	2-WAY	2-POSITION	NOTE 5	LINE SIZE	OPEN	
UNIT HEATER	3	UHs	ZONE HEATING	VARIOUS	2-WAY	2-POSITION	NOTE 6	LINE SIZE	OPEN	
FIN/TUBE	4	FTs	ZONE HEATING	VARIOUS	2-WAY	2-POSITION	NOTE 7	LINE SIZE	OPEN	
CABINET UNIT HEATER	1	CUHs	ZONE HEATING	VARIOUS	3-WAY MIXING	2-POSITION	5.5	LINE SIZE	OPEN	

NOTES:
1. BASE VALVE PERFORMANCE ON 35% PROPYLENE GLYCOL SOLUTIONS.
2. REFER TO FANCOIL UNIT SCHEDULE ON SHEET M-601.
3. REFER TO VAV TERMINAL UNIT SCHEDULE ON SHEET M-603.
4. REFER TO PANEL RADIATOR SCHEDULE ON SHEET M-602.
5. REFER TO CABINET UNIT HEATER SCHEDULE ON SHEET M-602.
6. REFER TO UNIT HEATER SCHEDULE ON SHEET M-602.
7. REFER TO MP SHEETS FOR LOCATIONS AND FLOW.

		STATE OF MAINE BGS TITLE: 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION: AUGUSTA, MAINE TITLE THIS DWG: MECHANICAL CONTROL DIAGRAMS 1
2/13/26 ADDENDUM 5 1/23/26 ADDENDUM 3	DRAWN BY: CAL CHECK BY: CAL	OAK POINT ASSOCIATES M-701 221 Main Street, Bangor, Maine 04909
REVISIONS NO. DATE DESCRIPTION BY	NO. CHECK BY DATE 12/16/2025	170 OF 208



HEATING AND COOLING WATER SYSTEM POINTS LIST

SYSTEM POINT DESCRIPTION	POINT TYPE							NOTES
	GRAPHIC INPUT	ANALOG OUTPUT	BINARY INPUT	BINARY OUTPUT	ALARM	ANALOG VARIABLE	TREND LOG	
CHILLER ENABLE / DISABLE	X		X					1
CHILLER COOLING WATER INLET TEMP	X	X						1
CHILLER COOLING WATER OUTLET TEMP	X	X						1
CHILLER HOT WATER INLET TEMP	X	X						1
CHILLER HOT WATER OUTLET TEMP	X	X						1
CHILLER HEATING LOOP DISCHARGE SET POINT	X					X	X	1
CHILLER COOLING LOOP DISCHARGE SET POINT	X					X	X	1
GLYCOL COOLING SUPPLY TEMPERATURE	X	X						
GLYCOL COOLING RETURN TEMPERATURE	X	X						
GLYCOL COOLING SYSTEM PRESSURE	X	X						
GCP-1 VFD ENABLE	X		X					
GCP-1 VFD SIGNAL	X	X	X					
GCP-1 VFD ALARM	X		X					2
GCP-2 VFD ENABLE	X		X					
GCP-2 VFD SIGNAL	X	X	X					
GCP-2 VFD ALARM	X		X					2
CHILLED WATER SUPPLY TEMPERATURE	X	X						
CHILLED WATER RETURN TEMPERATURE	X	X						
CHILLED WATER SUPPLY CONTROL VALVE	X	X						
HX-GC GLYCOL COOLING RETURN TEMPERATURE	X	X						
CHP-1 VFD ENABLE	X		X					
CHP-1 VFD SIGNAL	X	X	X					
CHP-1 VFD ALARM	X		X					2
CHP-2 VFD ENABLE	X		X					
CHP-2 VFD SIGNAL	X	X	X					
CHP-2 VFD ALARM	X		X					2
CHILLER HEATING SUPPLY TEMPERATURE	X	X						
GLYCOL HEATING SUPPLY TEMPERATURE	X	X						
GLYCOL HEATING RETURN TEMPERATURE	X	X						
GLYCOL HEATING SYSTEM PRESSURE	X	X						
GHP-1 VFD ENABLE	X		X					
GHP-1 VFD SIGNAL	X	X	X					
GHP-1 VFD ALARM	X		X					2
GHP-2 VFD ENABLE	X		X					
GHP-2 VFD SIGNAL	X	X	X					
GHP-2 VFD ALARM	X		X					2
CHILLER HEATING BYPASS VALVE	X	X						
BOILER BYPASS VALVE	X	X						
BOILER ENABLE	X		X					
BOILER RETURN TEMPERATURE	X	X						
BOILER SUPPLY TEMPERATURE	X	X						
HOT WATER SUPPLY TEMPERATURE	X	X						
HOT WATER RETURN TEMPERATURE	X	X						
HOT WATER SUPPLY CONTROL VALVE	X	X						
HX-GH GLYCOL HEATING RETURN TEMPERATURE	X	X						
HWP-1 VFD ENABLE	X		X					
HWP-1 VFD SIGNAL	X	X	X					
HWP-1 VFD ALARM	X		X					
HWP-2 VFD ENABLE	X		X					
HWP-2 VFD SIGNAL	X	X	X					
HWP-2 VFD ALARM	X		X					
GLYCOL COOLING SYSTEM DIFFERENTIAL PRESSURE	X	X						
CHILLED WATER SYSTEM DIFFERENTIAL PRESSURE	X	X						
GLYCOL HEATING SYSTEM DIFFERENTIAL PRESSURE	X	X						
HEATING WATER SYSTEM DIFFERENTIAL PRESSURE	X	X						
GLYCOL FILL UNIT GFU-1 LOW LEVEL ALARM	X		X					3

NOTES:
 1. CONNECT READ/WRITE POINT THROUGH BACNET INTERFACE.
 2. GENERATE AN ALARM ON THE GUI IF THE VFD INDICATES AN ALARM CONDITION.
 3. GENERATE ALARM AT GUI IF THE GLYCOL FILL SYSTEM INDICATES A LOW LEVEL ALARM CONDITION.

SEQUENCE OF OPERATION:

THE REVERSIBLE HEAT RECOVERY CHILLER, CH-1, SHALL BE ENABLED WHENEVER THE OUTSIDE AIR TEMPERATURE IS ABOVE 5°F AND DISABLED OTHERWISE. WHENEVER THE CHILLER IS ENABLED THE LEAD MODULE ISOLATION VALVES SHALL REMAIN OPEN TO PREVENT DEAD-HEADING GLYCOL PUMPS.

PUMPS ARE ARRANGED IN LEAD/LAG SETS. THE LEAD PUMP SHALL SWITCH MONTHLY (ADJUSTABLE). THE LEAD PUMP SHALL RUN CONTINUOUSLY WHENEVER CALLED ON, AS DESCRIBED BELOW, AND THE LAG PUMP SHALL REMAIN OFF UNLESS THE LEAD PUMP INDICATES AN ALARM CONDITION. IF THE LEAD PUMP INDICATES AN ALARM, IT SHALL BE DISABLED AND THE LAG PUMP SHALL AUTOMATICALLY START AND RUN UNTIL THE ALARM IS CLEARED.

THE GLYCOL HEATING PUMP SET (GHP-1 & GHP-2) AND GLYCOL COOLING PUMP SET (GCP-1 & GCP-2) SHALL RUN CONTINUOUSLY WHENEVER CH-1 IS ENABLED. THE HEATING WATER PUMP SET (HWP-1 & HWP-2) SHALL RUN CONTINUOUSLY WHENEVER THERE IS A CALL FOR HEATING FROM A FAN COIL UNIT, A VAV BOX, A SECTION OF FIN TUBE, THE DOAS HEATING COIL OR OTHER TERMINAL UNIT. THE CHILLED WATER PUMP SET (CHP-1 & CHP-2) SHALL RUN CONTINUOUSLY WHENEVER THERE IS A CALL FOR COOLING FROM AN FAN COIL UNIT OR THE DOAS COOLING COIL. THE PUMP SPEEDS SHALL MODULATE TO SATISFY THE ASSOCIATED LOOP DIFFERENTIAL PRESSURE SET POINTS AS DETERMINED BY THE BALANCER (INITIAL SETTING SHALL BE 30-PSI, USER ADJUSTABLE). EACH LOOP SHALL HAVE AN INDIVIDUAL SET POINT WHICH SHALL BE USER ADJUSTABLE.

THE CHILLER DISCHARGE HEATING AND COOLING SET POINTS SHALL BE RESET (VIA BACNET) ACCORDING TO THE BUILDING'S HEATING AND COOLING DEMANDS AS DETERMINED BY THE HEATING AND COOLING VALVES THAT ARE THE MOST OPEN. THE POSITIONS OF THE HEATING AND COOLING VALVES ASSOCIATED WITH THE FOLLOWING PIECES OF EQUIPMENT SHALL BE MONITORED TO DETERMINE THE CHILLER HEATING AND COOLING DISCHARGE SET POINTS: DOAS-1, HX-GH (HEATING), HX-GC (COOLING).

THE CHILLER DISCHARGE GLYCOL COOLING SUPPLY SET POINT SHALL BE RESET ACCORDING TO THE FOLLOWING USER ADJUSTABLE LINEAR RESET SCHEDULE:

MAX CLG VLV POSITION GLYCOL COOLING WATER SUPPLY SET POINT (GCSP)
 90% 42°F
 50% 48°F

THE CHILLER DISCHARGE GLYCOL HEATING SUPPLY SET POINT SHALL BE RESET ACCORDING TO THE FOLLOWING USER ADJUSTABLE LINEAR RESET SCHEDULE:

MAX HTG VLV POSITION GLYCOL HEATING WATER SUPPLY SET POINT (GHSP)
 90% 120°F AT OAT > 5°F; 140°F AT OAT ≤ 5°F
 50% 100°F AT OAT > 5°F; 120°F AT OAT ≤ 5°F

THE HX-GH HOT WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN THE HEATING WATER SUPPLY SET POINT (HWSP) 2°F BELOW THE GHSP.

THE HX-GC CHILLED WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN THE CHILLED WATER SUPPLY SET POINT (CHWSP) 2°F ABOVE THE GCSP.

IF THE GLYCOL HEATING WATER SUPPLY TEMPERATURE FALLS 5°F (ADJUSTABLE) BELOW THE GHSP FOR 10 MINUTES (ADJUSTABLE), AND ALL OF THE CHILLER STAGES ARE ENABLED, THEN THE BOILER (B-1) SHALL BE ENABLED AND THE BOILER MIXING VALVE SHALL MODULATE TO MAINTAIN THE GHSP. BOILER B-1 SHALL BE DISABLED WHEN ONE CHILLER STAGE HAS BEEN DISABLED FOR 5 MINUTES (ADJUSTABLE).

IF THE OUTSIDE AIR TEMPERATURE FALLS BELOW 5°F (ADJUSTABLE) THEN THE BOILER (B-1) SHALL BE ENABLED, THE BOILER MIXING VALVE WILL MODULATE TO MAINTAIN THE GHSP, CH-1 SHALL BE DISABLED, THE CHILLER BYPASS VALVE SHALL BYPASS ALL HEATING WATER FLOW FROM THE CHILLER. COOLING SYSTEM PUMPS GCP-1, GCP-2, CHP-1, AND CHP-2 SHALL REMAIN OFF, AND THE GHP-1/2 PUMP SET SHALL RUN CONTINUOUSLY.

THE BOILER DISCHARGE SET POINT SHALL BE 140°F (ADJUSTABLE).

1 HEATING AND COOLING WATER CONTROL DIAGRAM
 M-702 SCALE: NOT TO SCALE

SEQUENCE OF OPERATIONS - 4-PIPE HEATING AND COOLING FAN COIL UNITS

ZONE OCCUPANCY MODE:
 THE FAN COIL UNIT OCCUPIED MODE SHALL BE DETERMINED BY AN INDIVIDUAL, DEDICATED, USER ADJUSTABLE, 24 HOUR, 7 DAY SCHEDULE LOCATED IN THE DDC SYSTEM. THE CONTRACTOR SHALL COORDINATE INITIAL SCHEDULE SETTINGS WITH BUILDING OPERATOR.

ZONE OCCUPIED MODE:
 DURING THE OCCUPIED MODE THE FAN COIL UNIT SUPPLY FAN SHALL RUN CONTINUOUSLY. THE HEATING AND COOLING SET POINTS SHALL BE DEFINED AT THE GUI.

HEATING/COOLING MODES:
 THE FCU SHALL ENTER THE COOLING MODE WHEN THE ROOM TEMPERATURE RISES 1°F ABOVE THE ROOM COOLING SET POINT. THE FCU SHALL ENTER THE HEATING MODE WHEN THE ROOM TEMPERATURE FALLS 1°F BELOW THE ROOM HEATING SET POINT.

THE HEATING COIL CONTROL VALVE SHALL REMAIN CLOSED DURING COOLING MODE. THE COOLING COIL CONTROL VALVE SHALL REMAIN CLOSED DURING HEATING MODE.

COOLING MODE:
 THE FAN LOW SPEED SHALL BE SET BY THE TAB CONTRACTOR TO THE AIRFLOW SCHEDULED ON THE DRAWINGS. THE FAN SHALL OPERATE AT LOW SPEED AND THE COOLING COIL CONTROL VALVE SHALL MODULATE TO MAINTAIN THE ROOM COOLING SET POINT. WHENEVER THE SUPPLY AIR TEMPERATURE DROPS BELOW 57°F (ADJUSTABLE) THE FAN SPEED SHALL MODULATE TO MAINTAIN A MINIMUM SUPPLY AIR TEMPERATURE OF 56°F (ADJUSTABLE).

HEATING MODE:
 THE FAN LOW SPEED SHALL BE SET BY THE TAB CONTRACTOR TO THE AIRFLOW SCHEDULED ON THE DRAWINGS. THE FAN SHALL OPERATE AT LOW SPEED AND THE HEATING COIL CONTROL VALVE SHALL MODULATE TO MAINTAIN THE ROOM HEATING SET POINT. WHENEVER THE SUPPLY AIR TEMPERATURE RISES ABOVE 87°F (ADJUSTABLE) THE FAN SPEED SHALL MODULATE TO MAINTAIN A MAXIMUM SUPPLY AIR TEMPERATURE OF 87°F (ADJUSTABLE).

UNOCCUPIED MODE:
 COOLING SHALL BE DISABLED DURING UNOCCUPIED MODE. DURING UNOCCUPIED MODE THE FCU SHALL MAINTAIN THE NIGHT SETBACK TEMPERATURE OF 65°F (ADJUSTABLE). IF THE ROOM TEMPERATURE FALLS 1°F BELOW THE NIGHT SETBACK TEMPERATURE THE FCU FAN SHALL RUN AT MEDIUM SPEED AND THE HEATING COIL CONTROL VALVE SHALL BE 100% OPEN UNTIL THE NIGHT SETBACK IS SATISFIED. IF THE ROOM TEMPERATURE FALLS 2°F BELOW THE NIGHT SETBACK TEMPERATURE, THE FCU FAN SHALL RUN AT HIGH SPEED AND THE HEATING COIL CONTROL VALVE SHALL BE 100% OPEN UNTIL THE NIGHT SETBACK IS SATISFIED. OTHERWISE THE FAN SHALL REMAIN OFF AND THE VALVE SHALL REMAIN CLOSED.

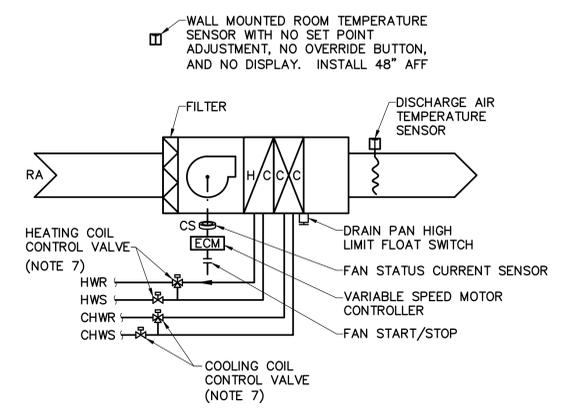
SAFETY - DRAIN PAN HIGH LIMIT:
 THE CONDENSATE PAN FLOAT SWITCH SHALL STOP FAN, CLOSE COOLING COIL CONTROL VALVE, AND SIGNAL ALARM WHEN A HIGH WATER LEVEL IS PRESENT IN THE PAN.

STAGGERED START:
 WHEN SWITCHING FROM UNOCCUPIED TO OCCUPIED MODE, EACH FAN SHALL START AFTER A RANDOMLY GENERATED NUMBER OF SECONDS TO AVOID EXCESSIVE SYSTEM CURRENT DRAW.

TYPICAL 4 PIPE FAN COIL POINTS LIST

SYSTEM POINT DESCRIPTION	POINT TYPE							NOTES
	GRAPHIC INPUT	ANALOG OUTPUT	BINARY INPUT	BINARY OUTPUT	ALARM	ANALOG VARIABLE	TREND LOG	
ROOM TEMPERATURE SENSOR	X	X						2,4,5
DISCHARGE AIR TEMPERATURE	X	X						
HEATING HW COIL CONTROL VALVE	X	X						
COOLING COIL CONTROL VALVE	X	X						7
SUPPLY AIR FAN STATUS (CURRENT SENSOR)	X	X	X					1
FAN START/STOP	X		X					
FAN SPEED SIGNAL	X	X						
DRAIN PAN HIGH LIMIT SWITCH	X		X	X				3,6

NOTES:
 1. GENERATE AN ALARM AT GUI IF FAN FAILS TO SHOW PROOF OF OPERATION.
 2. GENERATE AN ALARM AT GUI IF THE ROOM TEMPERATURE IS NOT WITHIN ±5°F OF SET POINT FOR MORE THAN 10 MINUTES.
 3. REFER TO FAN COIL UNIT SCHEDULE FOR QUANTITY OF UNITS EQUIPPED WITH A DRAIN PAN HIGH LIMIT SWITCH.
 4. REFER TO MECHANICAL PIPING PLANS FOR SENSOR LOCATIONS.
 5. ROOM TEMPERATURE SET POINT ADJUSTMENT AT THE GUI AND BCC ONLY.
 6. GENERATE AN ALARM AT GUI IF THE DRAIN PAN FLOAT SWITCH INDICATES THE PRESENCE OF WATER.
 7. PROVIDE 3-WAY MIXING VALVE FOR HEATING AND COOLING COILS FOR THE FOLLOWING UNITS ONLY: FCU 1-10, FCU 2-19, FCU 2-20 AND FCU 3-19.



2 TYPICAL 4-PIPE FAN COIL UNIT CONTROL DIAGRAM
 M-702 SCALE: NOT TO SCALE

		STATE OF MAINE BGS TITLE: 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION: AUGUSTA, MAINE TITLE THIS DWG: MECHANICAL CONTROL DIAGRAMS 2	
2/13/26 ADDENDUM 5 1/23/26 ADDENDUM 3	DRAWN BY: CAL CHECK BY: CAL	DATE: 12/16/2025	OAK POINT ASSOCIATES M-702 171 OF 206

ELECTRICAL SYMBOLS

- LIGHTING**
- S 120/277V, 20A LIGHT SWITCH, SPECIFICATION GRADE
 - S₃ 120/277V, 20A 3-WAY LIGHT SWITCH, SPECIFICATION GRADE
 - S_{LV} LOW VOLTAGE SWITCH
 - S_D DIMMING SWITCH, LOW VOLTAGE
 - A LIGHT FIXTURES, LETTER INDICATES TYPE, REFER TO SHEET EL701, LOWER CASE SUBSCRIPT INDICATES CONTROL ZONE.
 - A LIGHTING FIXTURES WIRED TO THE GENERATOR
 - W OCCUPANCY SENSOR (PROVIDE WITH RELAY FOR AUTOMATIC RECEPTACLE AND HVAC CONTROL)
W = WALL BOX SENSOR
V = VACANCY
 - ↑ EMERGENCY LIGHT, BATTERY POWERED TWO LAMPS
 - ILLUMINATED EXIT SIGN, LED TYPE SINGLE FACE OR DOUBLE FACE, ARROW INDICATES DIRECTION OF FLOW FOR THE FACE
 - INTERIOR PHOTOCELL
 - LED DOWNLIGHT

- TELEPHONE, DATA, AND COMMUNICATIONS**
- REMOVE TELECOMMUNICATIONS OUTLET ON REMOVALS PLANS UNLESS NOTED OTHERWISE
 - DATA OUTLET - CAT (6, 1) JACK (DEFAULT) "C" = CEILING MOUNTED
= QUANTITY OF JACKS (OTHER THAN 1)
POTS = PLAIN OLD TELEPHONE SERVICE
 - TV OUTLET, BOX, AND WIRING
 - TELECOMMUNICATIONS GROUNDING BUS BAR
 - HDMI JACK AND CABLE
 - SHALLOW FLOOR BOX, SHARED WITH POWER UNLESS OTHERWISE INDICATED, TELECOMMUNICATIONS OUTLETS AS INDICATED
 - SOUND MASKING SYSTEM SPEAKER
 - SOUND MASKING SYSTEM CONTROLLER, PLENUM MOUNT
 - SOUND MASKING SYSTEM SWITCH/KNOB
 - TELEPHONE TERMINAL CABINET
 - RECEPTION WINDOW COMMUNICATOR BASIS OF DESIGN: NORCON TTU-1DX
 - AV INPUT BOX WITH NETWORK, HDMI AND USB REFER TO DETAIL 3/ET101
 - COURTESY CALL BOX EXTERIOR APPLICATIONS - WALL OR POLE MOUNTED
TALK-A-PHONE ETP-WME 120VAC SAFETY BLUE WHITE "EMERGENCY" AND ETP-500E
EXTERIOR APPLICATIONS - POST MOUNTED "TOWER"
TALK-A-PHONE ETP-MTE72 120VAC SAFETY BLUE WHITE "EMERGENCY" AND ETP-500E
 - WIRELESS ACCESS POINT

- SINGLE LINE DIAGRAM**
- TRANSFORMER
 - METER
 - GROUND CONNECTION
 - CIRCUIT BREAKER, MANUALLY OPERATED
 - AUTOMATIC TRANSFER SWITCH (ATS) MANUAL TRANSFER SWITCH (MTS)

- RECEPTACLES**
- DUPLEX RECEPTACLE, 120V, 20A, SPECIFICATION GRADE, NEMA 5-20 R SUBSCRIPT "TV" INDICATES FOR USE WITH TELEVISION, REFER TO DETAIL 3/ET101. SUBSCRIPT "A" INDICATES AUTOMATIC RECEPTACLE CONTROL, REFER TO DETAIL 3/EP101
 - DUPLEX RECEPTACLE, 120V, 20A SPECIFICATION GRADE, NEMA 5-20 R SUBSCRIPT "G" INDICATES GROUND FAULT INTERRUPT, SUBSCRIPT "WP" INDICATES WEATHERPROOF GROUND FAULT INTERRUPT
SUBSCRIPT "A" INDICATES AUTOMATIC RECEPTACLE CONTROL, REFER TO DETAIL 3/EP101
 - DOUBLE DUPLEX RECEPTACLE SUBSCRIPT "A" INDICATES AUTOMATIC RECEPTACLE CONTROL, REFER TO DETAIL 3/EP101
SUBSCRIPT "TV" INDICATES FOR USE WITH TELEVISION, REFER TO DETAIL 3/ET101
SUBSCRIPT "SR" INDICATES SWITCHED RECEPTACLE
 - SPECIALTY RECEPTACLE, TYPE AS INDICATED, SPECIFICATION GRADE. COORDINATE WITH GOVERNMENT
 - SHALLOW FLOOR BOX, SHARED WITH TECHNOLOGY UNLESS OTHERWISE INDICATED, PROVIDE TWO DUPLEX RECEPTACLES
 - SYSTEMS FURNITURE JUNCTION BOX. REFER TO DETAIL 2/EP101

- SECURITY**
- MAGNETIC DOOR CONTACT
 - CARD READER
ASR = ACCESS SECURE READER
 - ELECTRONIC LOCK / DOOR STRIKE CONNECTION PROVIDE AT SINGLE AND DOUBLE LEAF DOORS, COORDINATE WITH DOOR HARDWARE SCHEDULE
 - DOOR HOLDER
 - MOTION SENSOR
 - PANIC BUTTON
 - ADA DOOR OPERATOR BUTTON PROVIDE 120V POWER AND INTEGRATE WITH ACCESS CONTROL SYSTEM AS REQUIRED BY LOCATION
 - SECURITY CAMERA, CCTV FIXED, CEILING MOUNTED DOME TYPE UNLESS INDICATED OTHERWISE
 - INTRUSION DETECTION KEYPAD
 - AIPHONE INTERCOM
 - AIPHONE RECEIVING STATION WITH DOOR RELEASE
 - DOOR RELEASE
 - BADGE READER

- LINE TYPE LEGEND**
- REMOVE EXISTING ITEMS
 - EXIST ITEMS TO REMAIN
 - PROVIDE ITEMS
 - CONDUIT TERMINATION WITH STEEL SET SCREW CONNECTOR AND THREAD-ON NON METALLIC BUSHING
 - CONDUIT SLEEVE WITH STEEL SET SCREW EMT CONNECTORS AND THREAD-ON NON METALLIC BUSHINGS
 - CONDUIT DOWN
 - CONDUIT UP OR UP AND DOWN

- SWITCH TYPE LEGEND**
- S REMOVE EXISTING SWITCH (REMOVALS DRAWINGS)
 - S EXIST SWITCH TO REMAIN (REMOVALS AND INSTALLATION DRAWINGS)
 - S PROVIDE SWITCH (INSTALLATION DRAWINGS)

- GENERAL**
- MOTOR
 - TRANSFORMER
 - JUNCTION BOX
 - JUNCTION BOX WITH BLANK FACEPLATE
 - MOTOR STARTER
 - BRANCH CIRCUIT HOMERUN, A-1 INDICATES PANEL DESIGNATION AND CIRCUIT NUMBER
 - SYSTEMS FURNITURE FEED POKE-THRU DEVICE
 - POWER POLE WITH RECEPTACLES
 - EXISTING PANELBOARD
 - PANELBOARD
 - NON-FUSED DISCONNECT SWITCH SUBSCRIPT "WP" INDICATES NEMA 4X
 - FUSED DISCONNECT SWITCH SUBSCRIPT "WP" INDICATES NEMA 4X
AF = AMP FRAME SWITCH SIZE
AT = AMP TRIP FUSE SIZE
 - MANUAL TRANSFER SWITCH
 - AUTOMATIC TRANSFER SWITCH
 - ENCLOSED CIRCUIT BREAKERS

- FIRE ALARMS**
- FIRE ALARM CONTROL UNIT
 - FIRE ALARM CONTROL PANEL
 - FIRE SYSTEM PANEL
 - FIRE SYSTEM ANNUNCIATOR
 - HEAT DETECTOR
R = RATE OF RISE
F = FIXED TEMPERATURE
R/C = RATE COMPENSATION
 - SMOKE DETECTOR
P = PHOTOELECTRIC
I = IONIZATION
BT = BEAM TRANSMITTER
BR = BEAM RECEIVER
D = DUCT DETECTOR
E = ELEVATOR RECALL
 - FLOW SWITCH
 - TAMPER SWITCH
 - STROBE
 - HORN WITH STROBE
INDICATES CANDELA RATING
"C" INDICATES CEILING MOUNTED
 - HORN
 - DOOR HOLDER
 - MANUAL PULL STATION
 - REMOTE INDICATOR
 - BELL
 - MASTER BOX
 - REQUEST TO EXIT DEVICE
 - KEY LOCK BOX
 - ADDRESSABLE INPUT MONITOR MODULE
 - ADDRESSABLE INPUT/OUTPUT MODULE
 - ADDRESSABLE OUTPUT MODULE
 - REMOTE INDICATOR AND TEST SWITCH

ELECTRICAL ABBREVIATIONS

- A, AMP AMPERE
- A3P AMPERES, 3-POLE
- AC ALTERNATING CURRENT
- ACP ACCESS CONTROL PANEL
- ACS ACCESS CONTROL SYSTEM
- AFF ABOVE FINISHED FLOOR
- AIC AMPERE INTERRUPTING CAPACITY
- AVG AVERAGE
- AWG AMERICAN WIRE GAUGE
- BKR BREAKER
- C CONDUCTOR, CONDUIT
- CAT CATALOG, CATEGORY
- CB CIRCUIT BREAKER
- CKT CIRCUIT
- CU COPPER
- DWG DRAWING
- EMT ELECTRICAL METALLIC TUBING
- ESS ELECTRONIC SECURITY SYSTEM
- EV ELECTRIC VEHICLE
- G GROUND; GROUND FAULT CIRCUIT INTERRUPTER
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- H HEATING LOAD TYPE FOR PANEL SCHEDULE
- HVAC HEATING, VENTILATION, AND AIR CONDITIONING
- IDS INTRUSION DETECTION SYSTEM
- KCMIL KILO-CIRCULAR MILS
- KVA KILO-VOLT-AMPERE
- KW KILO-WATT
- L LIGHTING LOAD TYPE FOR PANEL SCHEDULE
- LED LIGHT EMITTING DIODE
- LTG LIGHTING
- M MOTOR LOAD TYPE FOR PANEL SCHEDULE
- MAX MAXIMUM
- MCB MAIN CIRCUIT BREAKER
- MIN MINIMUM
- MLO MAIN LUG ONLY
- N NEUTRAL
- NEC NATIONAL ELECTRIC CODE
- NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- NFPA NATIONAL FIRE PROTECTION ASSOCIATION
- NO, # NUMBER
- OCC OCCUPANCY
- φ PHASE
- P POLE
- PACS PHYSICAL ACCESS CONTROL SYSTEM
- P/O PART OF
- POE POWER OVER ETHERNET
- R REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
- RCDD RECEPTACLE
- RGS RIGID GALVANIZED STEEL ROOM
- RM RIGID METAL CONDUIT
- SOM STATE OF MAINE
- SPD SURGE PROTECTIVE DEVICE
- SW SWITCH
- THHN HEAT RESISTANT THERMOPLASTIC WIRE WITH NYLON JACKET
- THWN MOISTURE & HEAT RESISTANT THERMOPLASTIC WIRE WITH NYLON JACKET
- TYP TYPICAL
- UL UNDERWRITERS LABORATORIES
- UPS UNINTERRUPTIBLE POWER SUPPLY
- V/VA VOLT/VOLT AMPERE
- VM VIDEO MONITOR
- W WATT, WIRE
- W/ WITH
- WP WEATHERPROOF

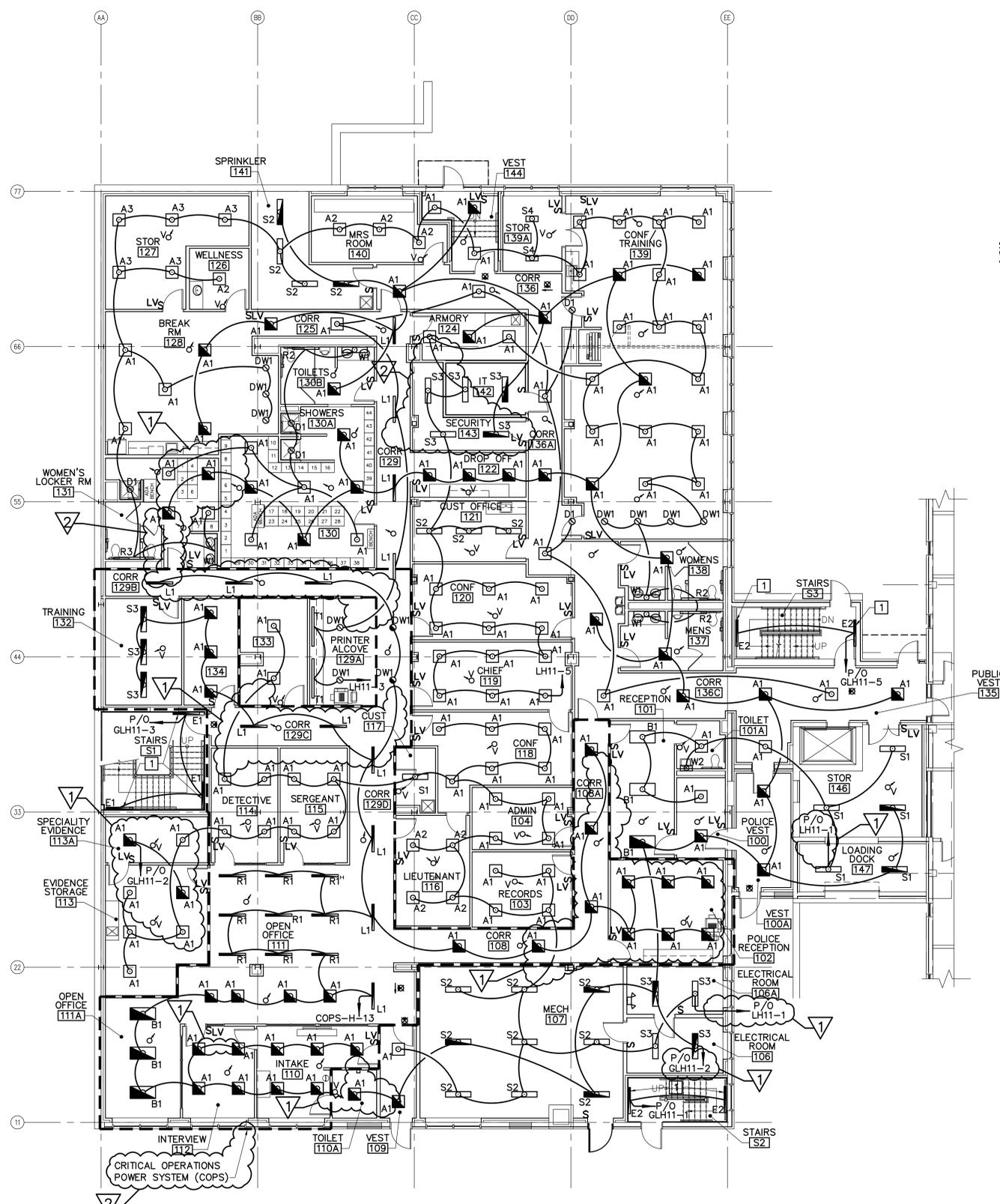
ELECTRICAL GENERAL NOTES

- ELECTRICAL INSTALLATION MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), NFPA, AND STATE AND LOCAL CODES.
- WORK MUST BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, PLUMBING, AND MECHANICAL TRADES AND EXISTING CONDITIONS.
- ELECTRICAL EQUIPMENT AND WIRING MUST BE NEW AND UL LISTED UNLESS OTHERWISE NOTED.
- COORDINATE LOCATIONS OF LIGHT FIXTURES AND OTHER CEILING MOUNTED ELECTRICAL EQUIPMENT WITH ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, PLUMBING AND MECHANICAL WORK TO AVOID INTERFERENCE.
- PROVIDE A SEPARATE INSULATED GREEN GROUNDING CONDUCTOR FOR EACH INDIVIDUAL CIRCUIT. METAL CONDUIT MUST BE GROUNDED BUT MUST NOT BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR.
- THE CONTRACTOR MUST VERIFY EXISTING CONDITIONS AND DIMENSIONS AND REPORT DISCREPANCIES TO THE GOVERNMENT AND THE CONTRACTING OFFICER. THE CONTRACTOR MUST PROCEED WITH THE WORK ONLY AFTER THE DISCREPANCIES HAVE BEEN RESOLVED BY THE GOVERNMENT AND THE CONTRACTING OFFICER.
- CONDUCTORS MUST BE MINIMUM #12 AWG UNLESS INDICATED OTHERWISE.
- CONDUIT MUST BE MINIMUM 3/4" UNLESS INDICATED OTHERWISE.
- COMMUNICATIONS CONDUIT MUST BE MINIMUM 1" UNLESS INDICATED OTHERWISE.
- UNLESS OTHERWISE INDICATED, WIRE AND CONDUIT SIZE FOR EACH 15A 1P, 15A 2P, 20A 1P AND 20A 2P BRANCH CIRCUIT MUST BE 2 #12 + #12G, IN 3/4"C. REFER TO HOME RUNS MAXIMUM DISTANCE CHART, BELOW.
- A SEPARATE NEUTRAL CONDUCTOR MUST BE PROVIDED FOR EACH INDIVIDUAL 120V CIRCUIT.
- GROUND ACCESS CONTROL AND INTRUSION DETECTION EQUIPMENT AS REQUIRED BY SPECIFICATIONS AND ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
- SEAL CONDUIT PENETRATIONS THROUGH FIRE WALL/FLOOR BARRIERS WITH FIRESTOPPING.
- COORDINATE FIRESTOPPING WITH FIRESTOPPING INSTALLER. PENETRATIONS OF FIRE-RATED PARTITIONS, WALLS OR FLOORS BY DATA AND COMMUNICATION WIRING OR CABLE MUST BE THROUGH MODULAR, RE-ENTERABLE FIRESTOPPING DEVICE(S) CONTAINING SELF-SEALING INTUMESCENT INSERTS.
- PROVIDE 120V AND 208V PANELBOARDS, STARTERS, VFD'S, CONTROL PANELS, AND ELECTRICAL EQUIPMENT WITH MINIMUM 42,000 AIC RATING. COORDINATE WITH EQUIPMENT INSTALLERS.
- CONFIRM EXISTING PANELBOARD DIRECTORIES PRIOR TO THE START OF WORK. PROVIDE UPDATED, TYPED, DIRECTORIES AT PANELBOARDS AND EXISTING PANELBOARDS AT THE COMPLETION OF WORK.
- IF SHUT DOWN OF PRIMARY POWER IS REQUIRED FOR WORK, THE POWER SHUT DOWN MUST BE SCHEDULED WITH PMD MASTER ELECTRICIAN 1 WEEK IN ADVANCE.
- PROVIDE DEVICE BOXES RECESSED WITHIN EXISTING TO REMAIN GYPSUM BOARD WALLS. FISH/CONCEAL CABLES WITHIN EXISTING WALLS. PROVIDE SURFACE MOUNTED RACEWAYS ON EXISTING TO REMAIN BLOCK WALLS.

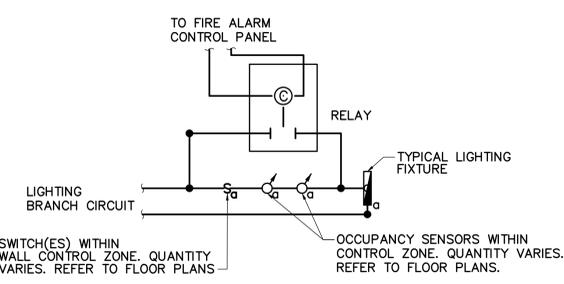
WIRE SIZE	HOME RUNS (15A & 20A CIRCUITS) MAXIMUM DISTANCE IN FEET UNLESS NOTED OTHERWISE	
	120V	240V
#12	60'	100'
#10	100'	160'
#8	150'	250'
#6	240'	400'

STATE OF MAINE BGS	
TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION AUGUSTA, MAINE	
TITLE THIS DWG.	
ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES	
2 2/13/26	ADDENDUM 5 KAO
1 1/23/26	ADDENDUM 3 KAO
NO. DATE	DESCRIPTION BY CHECK BY: KAO
REVISIONS	
NO.	DATE
	12/16/2025

DRAWING NO. **E-001**
SHEET NO. 174 OF 206



1 FIRST FLOOR LIGHTING PLAN
 EL101/SCALE: 1/8"=1'-0"



2 LIGHTING BYPASS CONTROL DIAGRAM
 EL701/NOT TO SCALE

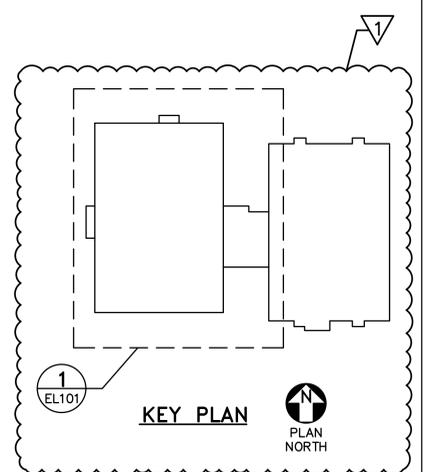
- LIGHTING BYPASS CONTROL NOTES:**
1. PROVIDE 24VDC RELAY WITH MINIMUM 20 AMP, 120V RATED NORMALLY OPEN AND NORMALLY CLOSED CONTACTS. CONTACT SHALL CLOSE WHEN FIRE ALARM IS IN ALARM IN ORDER TO BYPASS THE OCCUPANCY SENSORS, WITHIN THE STAIRS. RELAY SHALL BE UL LISTED FOR EMERGENCY LIGHTING CONTROL USE.
 2. PROVIDE 24VDC POWER FROM THE FIRE ALARM CONTROL PANEL.
 3. COORDINATE WORK WITH FIRE ALARM INSTALLER.

GENERAL NOTES (THIS SHEET ONLY)

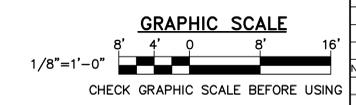
1. LIGHTS WITH SUBSCRIPTS ARE CONTROLLED BY THE DAYLIGHT SENSOR WITH THE CORRESPONDING SUBSCRIPT.
2. REFER TO SHEET ES101 FOR EXTERIOR LIGHTING AND ASSOCIATED SCHEDULE.
3. INTERIOR LIGHTING IS CONTROLLED BY THE LIGHTING CONTROL PANEL BY ROOM WHERE LOW VOLTAGE SENSORS ARE SHOWN. EXTERIOR LIGHTING IS CONTROLLED BY THE LIGHTING CONTROL PANEL WHICH HAS AN INTEGRATED TIME CLOCK. ALSO PROVIDE LINE VOLTAGE, WALL MOUNTED SENSORS AS INDICATED. LIGHTING CONTROL DIAGRAM IS SHOWN ON DETAIL 2/EL101.
4. CONNECT EXIT SIGNS AND EMERGENCY LIGHTING AHEAD OF SWITCHES, SENSORS, AND OTHER CONTROL DEVICES.
5. PROVIDE LOW VOLTAGE SWITCHES IN SPACES WITH VACANCY SENSORS.

KEYNOTES (THIS SHEET ONLY)

1. FIXTURE TO BE WALL MOUNTED 8FT ABOVE FINISHED FLOOR/LANDING.



KEY PLAN
 PLAN NORTH



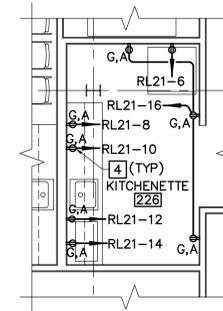
STATE OF MAINE BGS		DRAWING NO. EL101	
TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143		DRAWN BY: RSW	
LOCATION AUGUSTA, MAINE		CHECK BY: KAO	
TITLE THIS DWG. FIRST FLOOR LIGHTING PLAN		DATE 12/16/2025	
NO.	DATE	DESCRIPTION	BY
2	2/13/26	ADDENDUM 5	KAO
1	1/23/26	ADDENDUM 3	KAO

GENERAL NOTES (THIS SHEET ONLY)

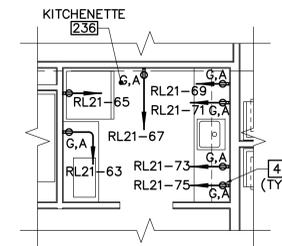
- REFER TO SHEET EP501 FOR WIRING SCHEDULE.
- REFER TO SHEET EP502 FOR MECHANICAL AND PLUMBING EQUIPMENT SCHEDULE.
- PROVIDE COORDINATION DRAWINGS FOR THE ELECTRICAL ROOM BASED ON THE APPROVED DISTRIBUTION EQUIPMENT SHOP DRAWINGS. ADJUST INDICATED LOCATIONS, AS REQUIRED, TO MEET NEC CLEARANCES.

KEYNOTES (THIS SHEET ONLY)

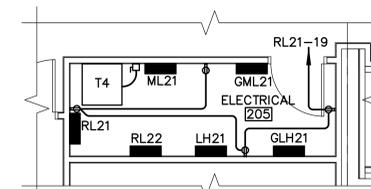
- PROVIDE POWER TO SYSTEMS FURNITURE. REFER TO DETAIL 2/EP101.
- INSTALL ON THE REAR OF THE RIGHT RACK VERTICAL WIRE MANAGER AS VIEWED FROM THE REAR. COORDINATE EXACT LOCATION WITH THE GOVERNMENT.
- PROVIDE 125V, 30A, L5-30R RECEPTACLE. INSTALL ON THE REAR OF THE LEFT RACK VERTICAL WIRE MANAGER AS VIEWED FROM THE REAR. COORDINATE EXACT LOCATION WITH THE GOVERNMENT.
- INSTALL RECEPTACLE 4" ABOVE COUNTERTOP BACKSPASH.
- FOR CONDENSATE LIFT PUMP, COORDINATE WITH THE MECHANICAL TRADE.
- 120V FOR TRAP PRIMER. FIELD COORDINATE THE FINAL LOCATION.
- 120V POWER FOR AUTOMATIC FAUCETS. FIELD COORDINATE THE FINAL LOCATION.
- PROVIDE 120 VOLT POWER FOR CAV/VAV BOXES. FIELD COORDINATE FINAL LOCATIONS.
- PROVIDE POWER TO SOUND MASKING SYSTEM POWER SUPPLY. COORDINATE EXACT LOCATION AND REQUIREMENTS IN THE FIELD WITH THE SYSTEM PROVIDED.
- FOR POWERED DOOR OPERATORS. COORDINATE WITH THE ARCHITECTURAL TRADE.



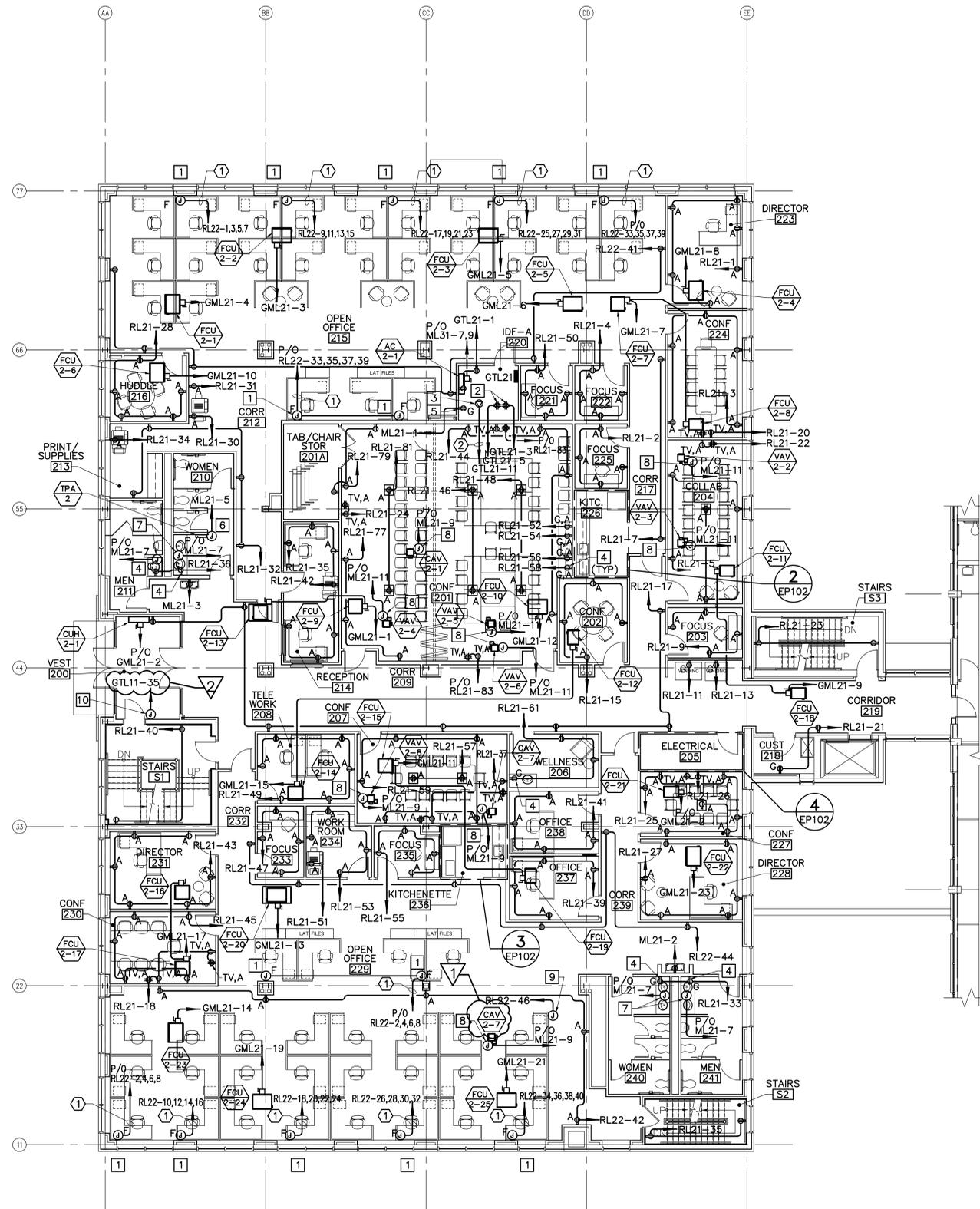
2 KITCHENETTE 226 ENLARGED PLAN
EP102 SCALE: 1/4"=1'-0"



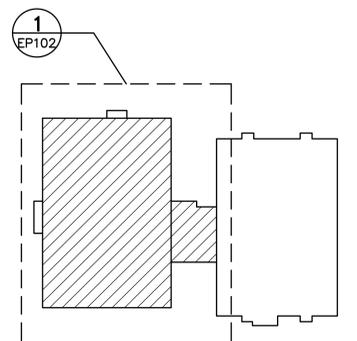
3 KITCHENETTE 236 ENLARGED PLAN
EP102 SCALE: 1/4"=1'-0"



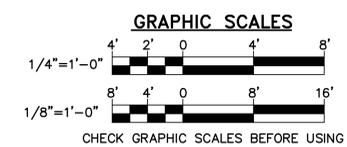
4 ELECTRICAL 205 ENLARGED PLAN
EP102 SCALE: 1/4"=1'-0"



1 SECOND FLOOR POWER PLAN
EP102 SCALE: 1/8"=1'-0"



KEY PLAN



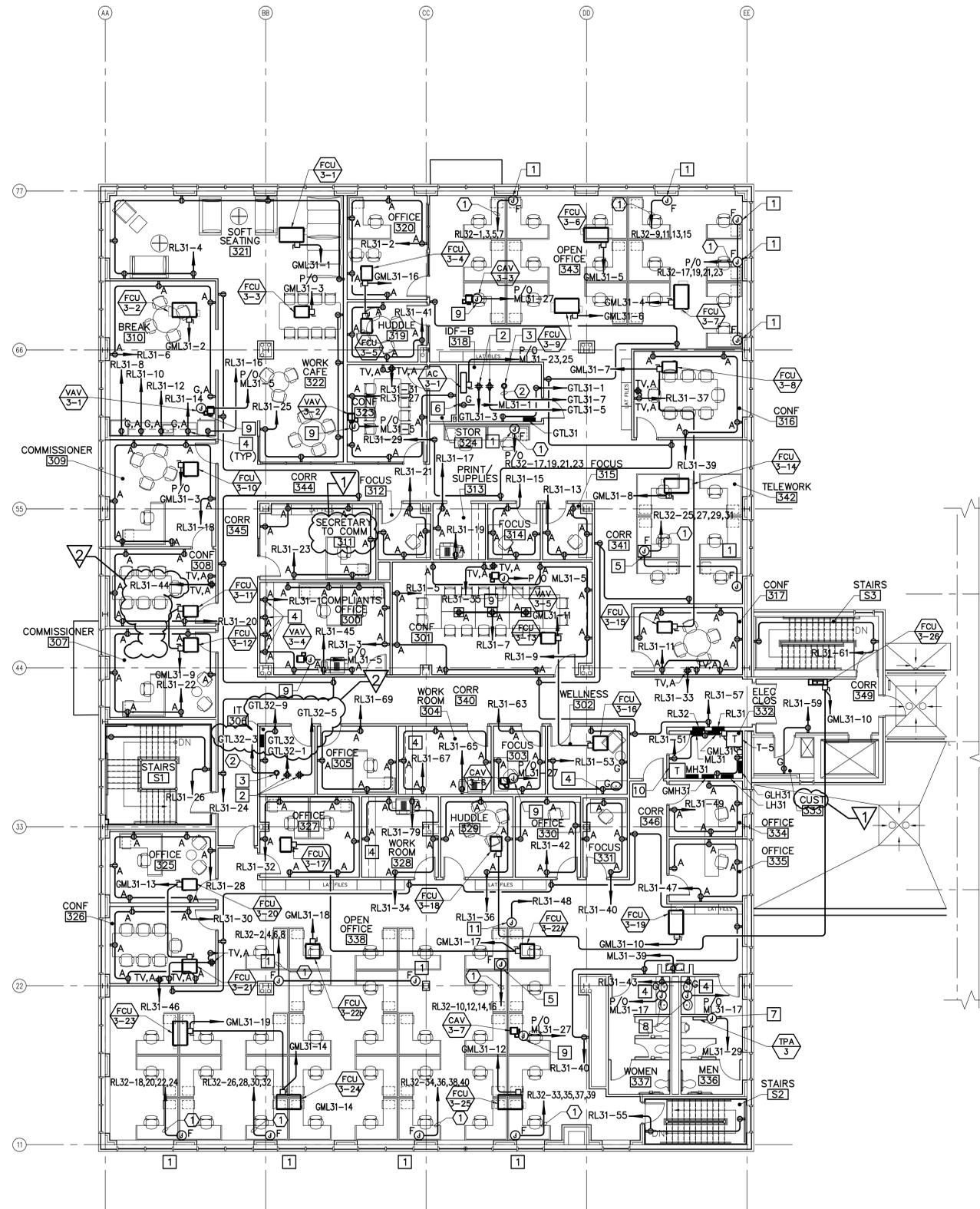
STATE OF MAINE BGS					
TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION AUGUSTA, MAINE					
TITLE THIS DWG. SECOND FLOOR POWER PLAN					
NO.	DATE	DESCRIPTION	BY	CHECKED BY	DATE
2	2/13/26	ADDENDUM 5	KAO		
1	1/23/26	ADDENDUM 3	KAO	BPD	
REVISIONS			NO.	DATE	
				12/16/2025	

GENERAL NOTES (THIS SHEET ONLY)

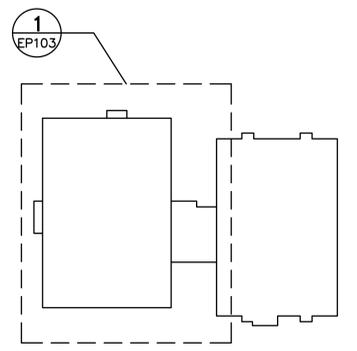
1. REFER TO SHEET EP501 FOR WIRING SCHEDULE.
2. REFER TO SHEET EP502 FOR MECHANICAL AND PLUMBING EQUIPMENT SCHEDULE.
3. PROVIDE COORDINATION DRAWINGS FOR THE ELECTRICAL ROOM BASED ON THE APPROVED DISTRIBUTION EQUIPMENT SHOW DRAWINGS. ADJUST INDICATED LOCATIONS, AS REQUIRED, TO MEET NEC CLEARANCES.

KEYNOTES (THIS SHEET ONLY)

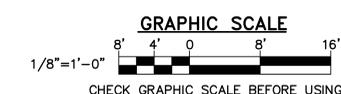
1. PROVIDE POWER TO SYSTEMS FURNITURE. REFER TO DETAIL 2/EP101.
2. INSTALL ON REAR OF THE RIGHT RACK VERTICAL WIRE MANAGER AS VIEWED FROM THE REAR. COORDINATE EXACT LOCATION WITH THE GOVERNMENT.
3. PROVIDE 125V, 30A, L5-30R RECEPTACLE. INSTALL ON THE REAR OF THE LEFT RACK VERTICAL WIRE MANAGER AS VIEWED FROM THE REAR. COORDINATE EXACT LOCATION WITH THE GOVERNMENT.
4. INSTALL RECEPTACLE 4" ABOVE COUNTERTOP BACKSPASH.
5. PROVIDE SHALLOW FLOOR BOX AND WHIP TO SERVE SYSTEMS FURNITURE. COORDINATE EXACT LOCATION WITH THE FURNITURE INSTALLER.
6. FOR CONDENSATE LIFT PUMP, COORDINATE WITH THE MECHANICAL TRADE.
7. 120V FOR TRAP PRIMER. FIELD COORDINATE THE FINAL LOCATION.
8. 120V POWER FOR AUTOMATIC FAUCETS. FIELD COORDINATE THE FINAL LOCATION.
9. PROVIDE 120 VOLT POWER FOR CAV/VAV BOXES. FIELD COORDINATE FINAL LOCATIONS.
10. TRANSFORMERS T-6 AND T-7. PROVIDE STEEL SLOTTED STRUT SUPPORT FOR STACKING OF TRANSFORMERS.
11. PROVIDE POWER TO SOUND MASKING SYSTEM POWER SUPPLY. COORDINATE EXACT LOCATION AND REQUIREMENTS IN THE FIELD WITH THE SYSTEM PROVIDED.



1 THIRD FLOOR POWER PLAN
EP103 SCALE: 1/8"=1'-0"



KEY PLAN



STATE OF MAINE BGS		TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION AUGUSTA, MAINE TITLE THIS DWG.	
THIRD FLOOR POWER PLAN		OAK POINT ASSOCIATES EP103	
NO.	DATE	DESCRIPTION	BY
2	2/13/26	ADDENDUM 5	KAO
1	1/23/26	ADDENDUM 3	KAO
REVISIONS		NO.	DATE
			12/16/2025

EQUIPMENT SCHEDULE				
DESIGNATION	DESCRIPTION	AMP/POLE/VOLTAGE	AIC	LABEL (LABEL COLOR)
ATS-OS	AUTOMATIC TRANSFER SWITCH WITH DELAYED TRANSITION	600A/4P SWITCHED NEUTRAL 480/277V	35,000 AIC (MIN) CONFIRM VIA SHORT CIRCUIT STUDY	ATS-OS (YELLOW)
ATS-EM	AUTOMATIC TRANSFER SWITCH WITH BYPASS ISOLATION AND CLOSED TRANSITION ELECTRICALLY OPERATED, MECHANICALLY HELD	100A/4P SWITCHED NEUTRAL 480/277V	35,000 AIC (MIN) CONFIRM VIA SHORT CIRCUIT STUDY	ATS-EM (RED)
ATS-COPS	AUTOMATIC TRANSFER SWITCH WITH BYPASS ISOLATION AND CLOSED TRANSITION ELECTRICALLY OPERATED, MECHANICALLY HELD	100A/4P SWITCHED NEUTRAL 480/277V	35,000 AIC (MIN) CONFIRM VIA SHORT CIRCUIT STUDY	ATS-COPS (BLUE)
MTS-EM	MANUAL TRANSFER SWITCH, NEMA 3R, STAINLESS STEEL, STRUT MOUNTED	100A/4P 480/277V	35,000 AIC (MIN) CONFIRM VIA SHORT CIRCUIT STUDY	MTS-EM (RED)
MTS-COPS	MANUAL TRANSFER SWITCH, NEMA 3R, STAINLESS STEEL, STRUT MOUNTED	100A/4P 480/277V	35,000 AIC (MIN) CONFIRM VIA SHORT CIRCUIT STUDY	MTS-COPS (BLUE)
PORTABLE GENERATOR CONNECTION	GENERATOR TAP BOX WITH CAM LOCK RECEPTACLES, NEMA 3R STAINLESS STEEL	200A, 3 ϕ , 4W, 480/277V	NA	1

TRANSFORMERS		
	KVA	VOLTS
T1	45	480 Δ - 208/120Y
T2	45	480 Δ - 208/120Y
T3	30	480 Δ - 208/120Y
T4	75	480 Δ - 208/120Y
T5	75	480 Δ - 208/120Y
T6	30	480 Δ - 208/120Y
T7	112.5	480 Δ - 208/120Y

WIRING SCHEDULE			
#	CABLE	CONDUIT	
①	4-1/C#12, 2-1/C#10N, 2#1/C#12G	3/4"	
②	2-1/C#10, 1/C#10G	3/4"	
③	3-1/C#10, 1/C#10G	3/4"	
④	2-1/C#6, 1/C#8G	1-1/2"	
⑤	3-1/C#4, 1/C#8G	1"	
⑥	4-1/C#6, 1/C#10G	1"	
⑦	4-1/C#10, 1/C#10G	1"	
⑧	4-1/C#2, 1/C#8G	1-1/4"	
⑨	3-1/C#2, 1/C#8G	1-1/4"	
⑩	4-1/C#1, 1/C#6G	1-1/2"	
⑪	4-1/C#600, 1/C#1/0G	4"	
⑫	3-1/C#1, 1/C#6G	1-1/4"	
⑬	3-1#3/0, 1/C#6G	2"	
⑭	4-1/C#1/0, 1/C#6G	2"	
⑮	4-1/C#250, 1/C#2G	2-1/2"	

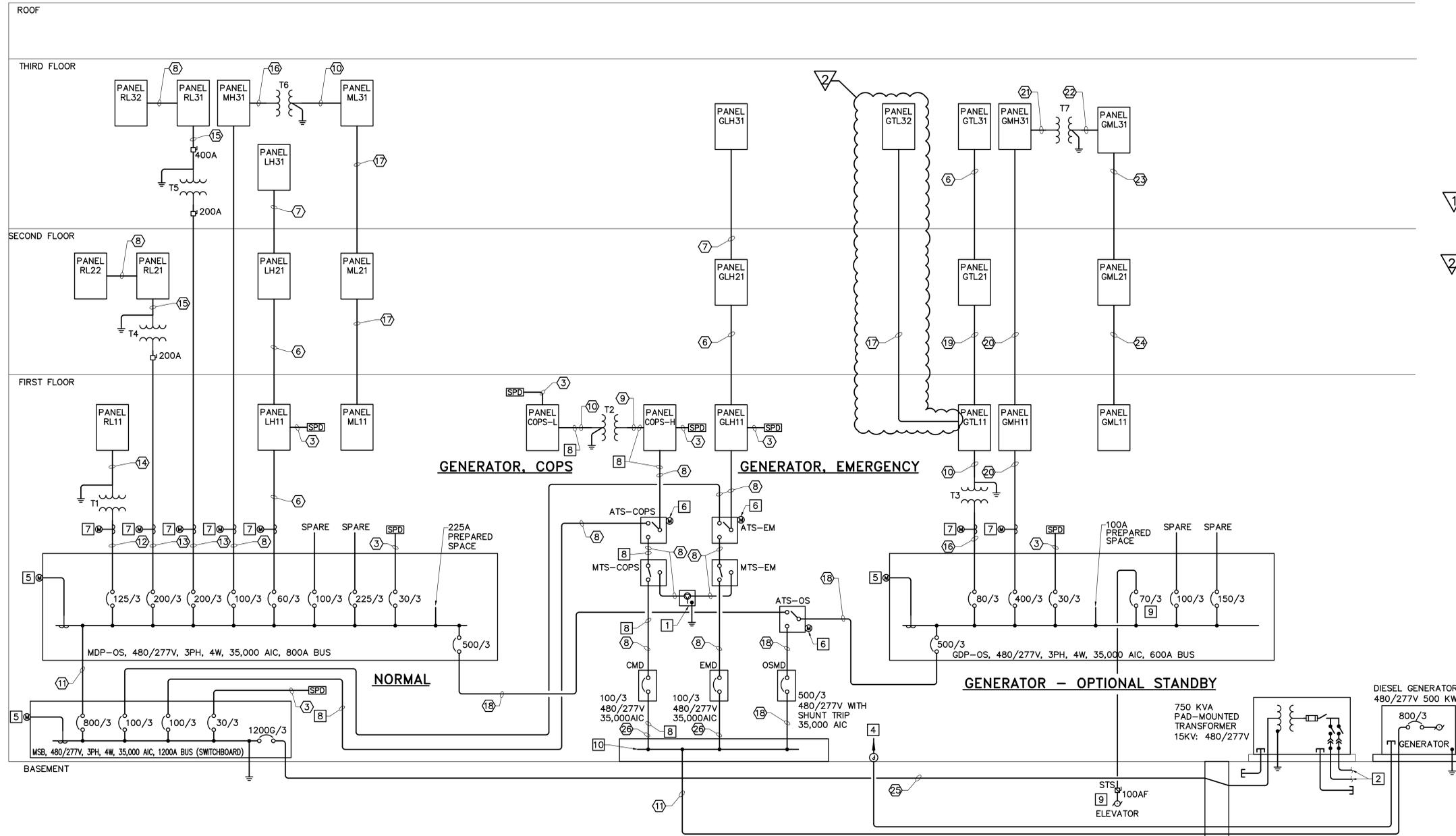
WIRING SCHEDULE CONT.			
#	CABLE	CONDUIT	
⑯	3-1/C#3, 1/C#8G	1"	
⑰	4-1/C#4, 1/C#8G	1-1/4"	
⑱	4-1/C#250, 1/C#2G	2-1/2"	
⑲	4-1/C#3, 1/C#8G	1-1/4"	
⑳	4-1/C#500, 1/C#3G	3"	
㉑	3-1/C#250, 1/C#4G	2"	
㉒	4-1/C#500, 1/C#1/0G	3-1/2"	
㉓	4-1/C#250, 1/C#4G	2-1/2"	
㉔	4-1/C#2/0, 1/C#6G	2"	
㉕	4-1/C#600, 1/C#3/0G	4"	
㉖	4-1/C#300, 1/C#4G	3"	

GENERAL NOTES

- REFER TO CIVIL SHEETS FOR TRANSFORMER, GENERATOR, AND MANHOLE LOCATIONS.
- MAIN DISTRIBUTION PANELBOARDS MUST BE SQUARE D, I-LINE.
- PROVIDE MELAMINE LABELS FOR DISTRIBUTION PANELBOARD CIRCUIT BREAKERS.
- LABELS FOR NORMAL POWER EQUIPMENT MUST BE WHITE WITH A BLACK CENTER CORE. LABELS FOR OPTIONAL STANDBY EQUIPMENT MUST BE YELLOW WITH A BLACK CENTER CORE. LABELS FOR EMERGENCY POWER EQUIPMENT MUST BE RED WITH A WHITE CENTER CORE. LABELS FOR COPS EQUIPMENT MUST BE BLUE WITH A WHITE CENTER CORE.
- PROVIDE WHOLE BUILDING NFPA 70E ARC FLASH STUDY. PROVIDE LABELS WITH STUDY RATINGS FOR EACH PANELBOARD AND DISCONNECT SWITCH.
- PROVIDE SIGNAGE ON THE ELECTRICAL DISTRIBUTION SYSTEM TO INDICATE MULTIPLE POWER SOURCES, PER NEC.
- PROVIDE WHOLE BUILDING SHORT CIRCUIT AND COORDINATION STUDY. ADJUST CIRCUIT BREAKERS AS DIRECTED IN THE COORDINATION STUDY.
- BRANCH CIRCUIT PANELBOARDS MUST BE SQUARE D, NQOD.

DRAWING KEYNOTES

- PROVIDE PORTABLE GENERATOR CONNECTION ON THE EXTERIOR OF THE BUILDING. MARK WITH PHASE ROTATION AND SYSTEM BONDING REQUIREMENTS.
- EXTEND AND CONNECT TO EXISTING MEDIUM VOLTAGE LOOP FEEDER. PROVIDE LOAD BREAK ELBOWS ON EXISTING #2, 15KV, ALUMINUM CABLES. COORDINATE WITH THE STATE ELECTRICIAN FOR LOOP CIRCUIT SHUT DOWN.
- PROVIDE DIESEL GENERATOR WITH WEATHERPROOF, SOUND ATTENUATING, ENCLOSURE. PROVIDE SUBBASE FUEL TANK.
- PROVIDE CONDUIT AND WIRE FOR GENERATOR CONTROLS, BLOCK HEATER, MONITORING, ANNUNCIATOR, AND BATTERY CHARGER.
- PROVIDE ION 6200 POWERLOGIC METERS INSTALLED ON ELECTRICAL DISTRIBUTION PANELBOARDS. CONNECT VOLTAGE SENSOR LEADS UNDER MAIN VOLTAGE LUGS AND CONNECT TO THE ETHERNET. COORDINATE WITH THE SCHNEIDER REPRESENTATIVE TO PROGRAM AND SET UP METERS AND COMMUNICATIONS WITH THE POWERLOGIC SERVER.
- PROVIDE ION 6200 POWERLOGIC METER, CT'S AND ENCLOSURE (PART # 9761E62R1G0B1B) INSTALLED ON GENERATOR TRANSFER SWITCHES AND CONNECT TO LOAD SIDE WITH VOLTAGE SENSOR LEADS CONNECTED UNDER MAIN VOLTAGE LUGS. CONNECT TO ETHERNET. COORDINATE WITH THE SCHNEIDER REPRESENTATIVE TO PROGRAM AND SET UP METERS AND COMMUNICATIONS, LOGGING, AND ALARM LIMITS, WITH POWERLOGIC SERVER.
- PROVIDE SUBMETERING. COORDINATE WITH THE GOVERNMENT AND THE SCHNEIDER REPRESENTATIVE TO PROGRAM AND SET UP METERS AND COMMUNICATIONS, LOGGING, AND ALARM LIMITS, WITH POWERLOGIC SERVER.
- PROVIDE AS TYPE MI CABLE.
- PROVIDE FUSED SHUNT TRIP ELEVATOR DISCONNECT SWITCH. COORDINATE FINAL BREAKER, DISCONNECT, AND FUSE SIZES WITH THE ELEVATOR PROVIDED.
- FOLLOW THE 25 FOOT TAP RULE PER NEC 240.21 (B)(2).



1 ONE-LINE DIAGRAM - 1951 BUILDING
EP501 NOT TO SCALE

STATE OF MAINE BGS			
TITLE: 221 STATE STREET BUILDING RENOVATIONS			
BGS PROJECT NO. 3143			
LOCATION: AUGUSTA, MAINE			
TITLE THIS DWG:			
ONE LINE DIAGRAM 1951 BUILDING AND SCHEDULES			
OAK POINT ASSOCIATES			
EP501			
REVISIONS			
NO.	DATE	DESCRIPTION	BY
2	2/13/26	ADDENDUM 5	KAO
1	1/23/26	ADDENDUM 3	KAO
DATE		CHECKED BY	KAO
DATE		12/16/2025	

MECHANICAL AND PLUMBING EQUIPMENT SCHEDULE

EQUIPMENT	VOLTS/PHASE	AMPS	HP	CIRCUIT	WIRE SIZE	CONDUIT SIZE	DISCONNECT SIZE	FUSE SIZE	NOTES
DOAS-1	460/3	35	-	MH31-1,3,5	3-1/C#6, 1/C#10G	3/4"	60A	45A	-
DOAS-1 RECEPTACLE	120/1	1.5	-	ML31-3	2-1/C#12, 1/C#12G	3/4"	-	-	-
DOAS-1 LED LIGHTS	120/1	2.6	-	ML31-35	2-1/C#12, 1/C#12G	3/4"	30A	-	-
DOAS-1 HEAT TRACE	120/1	12W/FT	-	GML31-27	3-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 1-1	115/1	5.8	0.22	GML11-13	2-1/C#12, 1/C#10G	3/4"	30A	-	-
FCU 1-2	115/1	4.2	0.13	GML11-1	2-1/C#12, 1/C#10G	3/4"	30A	-	-
FCU 1-3	115/1	5.8	0.22	GML11-13	2-1/C#12, 1/C#10G	3/4"	30A	-	-
FCU 1-4	115/1	4.2	0.13	GML11-1	2-1/C#12, 1/C#10G	3/4"	30A	-	-
FCU 1-5	115/1	5.8	0.22	GML11-3	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 1-6	115/1	4.2	0.13	GML11-9	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 1-7	115/1	4.2	0.13	GML11-9	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 1-8	115/1	4.2	0.13	GML11-27	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 1-9	115/1	4.2	0.13	GML11-27	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 1-10	115/1	4.2	0.13	GML11-5	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 1-11	115/1	4.2	0.13	GML11-5	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 1-12	115/1	5.8	0.22	COPS-L-12	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 1-13	115/1	5.8	0.22	COPS-L-12	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 1-14	115/1	4.2	0.13	COPS-L-14	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-1	115/1	5.8	0.22	GML21-3	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 2-2	115/1	5.8	0.22	GML21-4	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 2-3	115/1	5.8	0.22	GML21-5	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-4	115/1	5.8	0.22	GML21-8	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-5	115/1	5.8	0.22	GML21-6	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-6	115/1	5.8	0.22	GML21-10	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 2-7	115/1	4.2	0.13	GML21-7	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-8	115/1	4.2	0.13	GML21-7	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-9	115/1	4.2	0.13	GML21-1	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 2-10	115/1	5.8	0.22	GML21-12	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-11	115/1	4.2	0.13	GML21-9	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-12	115/1	4.2	0.13	GML21-15	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-13	115/1	4.2	0.13	GML21-1	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 2-14	115/1	4.2	0.13	GML21-15	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-15	115/1	4.2	0.13	GML21-11	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-16	115/1	4.2	0.13	GML21-17	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-17	115/1	4.2	0.13	GML21-17	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-18	115/1	4.2	0.13	GML21-9	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-19	115/1	4.2	0.13	GML21-11	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-20	115/1	5.8	0.22	GML21-13	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-21	115/1	4.2	0.13	GML21-2	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-22	115/1	5.8	0.22	GML21-23	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-23	115/1	5.8	0.22	GML21-14	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-24	115/1	5.8	0.22	GML21-19	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 2-25	115/1	5.8	0.22	GML21-21	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-1	115/1	5.8	0.22	GML31-1	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 3-2	115/1	5.8	0.22	GML31-2	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 3-3	115/1	4.2	0.13	GML31-3	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 3-4	115/1	4.2	0.13	GML31-16	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 3-5	115/1	4.2	0.13	GML31-16	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 3-6	115/1	5.8	0.22	GML31-5	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 3-7	115/1	5.8	0.22	GML31-4	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-8	115/1	4.2	0.13	GML31-7	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-9	115/1	5.8	0.22	GML31-6	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-10	115/1	4.2	0.13	GML31-3	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-11	115/1	4.2	0.13	GML31-9	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-12	115/1	4.2	0.13	GML31-9	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-13	115/1	4.2	0.13	GML31-11	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-14	115/1	5.8	0.22	GML31-8	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-15	115/1	4.2	0.13	GML31-7	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 3-16	115/1	4.2	0.13	GML31-11	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-17	115/1	4.2	0.13	GML31-17	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-18	115/1	4.2	0.13	GML31-15	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-19	115/1	5.8	0.22	GML31-10	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-20	115/1	4.2	0.13	GML31-13	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-21	115/1	4.2	0.13	GML31-13	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-22a	115/1	4.2	0.13	GML31-17	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-22b	115/1	4.2	0.13	GML31-18	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-23	115/1	5.8	0.22	GML31-15	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 3-24	115/1	5.8	0.22	GML31-14	2-1/C#10, 1/C#10G	3/4"	30A	-	-
FCU 3-25	115/1	5.8	0.22	GML31-12	2-1/C#12, 1/C#12G	3/4"	30A	-	-
FCU 3-26	115/1	4.2	0.13	GML31-15	2-1/C#10, 1/C#10G	3/4"	30A	-	-

MECHANICAL AND PLUMBING EQUIPMENT SCHEDULE

EQUIPMENT	VOLTS/PHASE	AMPS	HP	CIRCUIT	WIRE SIZE	CONDUIT SIZE	DISCONNECT SIZE	FUSE SIZE	NOTES
CH-1	480/3	192	-	GMH31-1,3,5	3-1/C#4/0, 1/C#4G	2"	400A, WP	225A	-
CH-1 HEAT TRACE	120/1	12W/FT	-	GML31-21	3-1/C#12, 1/C#12G	3/4"	30A	-	-
GHP-1	480/3	7.6	5	COPS-H-2,4,6	3-1/C#12, 1/C#12G	-	30A	-	5
GHP-2	480/3	7.6	5	COPS-H-8,10,12	3-1/C#12, 1/C#12G	-	30A	-	5
HWP-1	480/3	7.6	5	COPS-H-1,3,5	3-1/C#12, 1/C#12G	-	30A	-	5
HWP-2	480/3	7.6	5	COPS-H-7,9,11	3-1/C#12, 1/C#12G	-	30A	-	5
GCP-1	480/3	4.8	3	GMH11-37,39,41	3-1/C#12, 1/C#12G	3/4"	30A	-	-
GCP-2	480/3	4.8	3	GMH11-2,4,6	3-1/C#12, 1/C#12G	3/4"	30A	-	-
CHP-1	480/3	7.6	5	GMH11-25,27,29	3-1/C#12, 1/C#12G	3/4"	30A	-	-
CHP-2	480/3	7.6	5	GMH11-31,33,35	3-1/C#12, 1/C#12G	3/4"	30A	-	-
P-B1	480/3	3.4	2	COPS-H-14,16,18	3-1/C#12, 1/C#12G	-	30A	-	5
AC-1-1	208/1	14.6	-	ML11-1,3	2-1/C#8, 1/C#8G	3/4"	30A	-	1,2
AC-1-2	208/1	14.6	-	GML11-2,4	2-1/C#8, 1/C#8G	3/4"	30A	-	1,2
AC-1-3	208/1	14.6	-	COPS-L-2,4	2-1/C#10, 1/C#10G	3/4"	30A	-	1,2
AC-2-1	208/1	14.6	-	ML31-7,9	2-1/C#10, 1/C#10G	3/4"	30A	-	1,2
AC-3-1	208/1	14.6	-	ML31-23,25	2-1/C#10, 1/C#10G	3/4"	30A	-	1,2
CU-1-1	208/1	14.6	-	ML11-1,3	2-1/C#8, 1/C#8G	3/4"	30A, WP	-	-
CU-1-2	208/1	14.6	-	GML11-2,4	2-1/C#8, 1/C#8G	3/4"	30A, WP	-	-
CU-1-3	208/1	14.6	-	COPS-L-2,4	2-1/C#10, 1/C#10G	3/4"	30A, WP	-	-
CU-2-1	208/1	14.6	-	ML31-7,9	2-1/C#10, 1/C#10G	3/4"	30A, WP	-	-
CU-3-1	208/1	14.6	-	ML31-23,25	2-1/C#10, 1/C#10G	3/4"	30A, WP	-	-
GFU-1	115/1	16.2	2 @ 1/3	ML11-29	2-1/C#12, 1/C#12G	3/4"	30A	-	-
CUH 1-1	115/1	0.45	0.009	GML11-7	2-1/C#12, 1/C#12G	3/4"	30A	-	3
CUH 1-2	115/1	1.65	0.034	GML11-7	2-1/C#12, 1/C#12G	3/4"	30A	-	3
CUH 1-3	115/1	6.4	0.182	GML11-17	2-1/C#12, 1/C#12G	3/4"	30A	-	3
CUH 1-4	115/1	1.1	0.016	GML11-11	2-1/C#12, 1/C#12G	3/4"	30A	-	3
CUH 1-5	115/1	3.6	0.083	GML11-11	2-1/C#12, 1/C#12G	3/4"	30A	-	3
CUH 2-1	115/1	3.6	0.083	GML21-2	2-1/C#12, 1/C#12G	3/4"	30A	-	3
UH 1-1	115/1	1.35	16W	GML11-11	2-1/C#12, 1/C#12G	3/4"	30A	-	-
UH 1-2	115/1	2.2	1/20	GML11-11	2-1/C#12, 1/C#12G	3/4"	30A	-	-
UH 1-3	115/1	2.2	1/20	GML11-21	2-1/C#12, 1/C#12G	3/4"	30A	-	-
B-1	115/1	16	-	COPS-L-8	2-1/C#12, 1/C#12G	-	30A	-	5
EWH-1	208/1	67	-	GML11-18,20	2-1/C#3, 1/C#8G	-	100A	-	-
TPA-1	120/1	1	-	ML11-30	2-1/C#12, 1/C#12G	3/4"	-	-	-
TPA-2	120/1	1	-	ML21-5	2-1/C#12, 1/C#12G	3/4"	-	-	-
TPA-3	120/1	1	-	ML31-41	2-1/C#12, 1/C#12G	3/4"	-	-	-
RP-1	208/1	9.8	0.5	GML11-14,16	2-1/C#12, 1/C#12G	3/4"	30A	-	-
VAV1-1	120/1	1.5	-	ML11-39	2-1/C#12, 1/C#12G	3/4"	-	-	4
VAV1-2	120/1	1.5	-	ML11-39	2-1/C#12, 1/C#12G	3/4"	-	-	4
VAV1-3	120/1	1.5	-	ML11-39	2-1/C#12, 1/C#12G	3/4"	-	-	4
CAV1-4	120/1	1.5	-	ML11-7	2-1/C#12, 1/C#12G	3/4"	-	-	4
CAV1-5	120/1	1.5	-	ML11-7	2-1/C#12, 1/C#12G	3/4"	-	-	4
CAV1-6	120/1	1.5	-	ML11-7	2-1/C#12, 1/C#12G	3/4"	-	-	4
CAV1-7	120/1	1.5	-	ML11-7	2-1/C#12, 1/C#12G	3/4"	-	-	4
CAV1-8	120/1	1.5	-	ML11-7	2-1/C#12, 1/C#12G	3/4"	-	-	4
CAV1-9	120/1	1.5	-	ML21-9	2-1/C#12, 1/C#12G	3/4"	-	-	4
VAV2-2	120/1	1.5	-	ML21-11	2-1/C#12, 1/C#12G	3/4"	-	-	4
VAV2-3	120/1	1.5	-	ML21-11	2-1/C#12, 1/C#12G	3/4"	-	-	4
VAV2-4	120/1	1.5	-	ML21-11	2-1/C#12, 1/C#12G	3/4"	-	-	4
VAV2-5	120/1	1.5	-	ML21-11	2-1/C#12, 1/C#12G	3/4"	-	-	4
VAV2-6	120/1	1.5	-	ML21-11	2-1/C#12, 1/C#12G	3/4"	-	-	4
VAV2-7	120/1	1.5	-	ML21-9	2-1/C#12, 1/C#12G	3/4"	-	-	4

PANELBOARD SCHEDULE GMH11															
CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT TRIP	BKR POLE	CKT TRIP	BKR POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C									A	B	C	
1				SPARE										2	
3														4	
5														6	
7				SPARE										8	
9														10	
11														12	
13				SPARE										14	
15														16	
17														18	
19				SPARE										20	
21														22	
23														24	
25	7.6			CHP-1	M	20	3	20	3		SPARE			26	
27		7.6												28	
29			7.6											30	
31				CHP-2	M	20	3	20	3		SPARE			32	
33														34	
35														36	
37	4.8			GCP-1	M	15	3	350	3		PANEL GMH31	281.3		38	
39		4.8										270.3		40	
41			4.8									268.8		42	
293.7	282.7	281.2		TOTAL/PHASE											

VOLTS: 480/277, 3 PHASE, 4 WIRE
 MCB:
 MLO:
 FAULT AMPS: 35,000

DESIGNATION: GMH11
 LOCATION: ELECTRICAL RM 106
 MOUNTING: SURFACE

PANELBOARD SCHEDULE ML11															
CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT TRIP	BKR POLE	CKT TRIP	BKR POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C									A	B	C	
1	14.6			CU1-1, AC1-1	M	20	2	20	1	M	DH-1	9.8		2	
3		14.6									SPARE			4	
5			1.3	REC - AC1-2 CONDENSATE LIFT PUMP	M	20G	1	20G	1		SPARE			6	
7	7.5			CAV1-4 THRU 8	M	20	1	20	1		SPARE			8	
9				SPARE										10	
11											REC - 136B FOUNTAIN			12	
13				SPARE							SPARE			14	
15				SPARE							SPARE			16	
17				SPARE							REC - AC1-1 CONDENSATE LIFT PUMP		1.3	18	
19											SPARE			20	
21				SPARE							101A, 110A, 126, 130B, 131, 137, 138 FAUCET		7	22	
23											SPARE			24	
25				SPARE							SPARE			26	
27											SPARE			28	
29			16.2	GFU-1	M	25	1	20	1	M	TPA-1			30	
31				SPARE							SPARE			32	
33				SPARE							SPARE			34	
35				SPARE							EF-1		2.75	36	
37											SPARE			38	
39		4.5		VAV1-1, VAV1-2, VAV1-3	M	20	1	20	1		SPARE			40	
41				SPARE							SPARE			42	
31.9	26.1	27.55		TOTAL/PHASE											

VOLTS: 120/208, 3 PHASE, 4 WIRE
 MCB:
 MLO:
 FAULT AMPS: 10,000

DESIGNATION: ML11
 LOCATION: ELECTRICAL RM 106
 MOUNTING: SURFACE

PANELBOARD SCHEDULE MH31															
CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT TRIP	BKR POLE	CKT TRIP	BKR POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C									A	B	C	
1	35.5			DOAS-1	M	45	3	80	3		PANEL ML31 VIA TRANSFORMER	31.5		2	
3		35.5										27.2		4	
5			35.5										27.6	6	
7				SPARE										8	
9														10	
11														12	
13				SPARE										14	
15														16	
17														18	
19				SPACE										20	
21														22	
23														24	
67	62.7	63.1		TOTAL/PHASE											

VOLTS: 480/277, 3 PHASE, 4 WIRE
 MCB:
 MLO:
 FAULT AMPS: 35,000

DESIGNATION: MH31
 LOCATION: ELEC CLOS 332
 MOUNTING: SURFACE

PANELBOARD SCHEDULE GMH31															
CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT TRIP	BKR POLE	CKT TRIP	BKR POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C									A	B	C	
1	192			CH-1	M	225	3	250	3		PANEL GML31 VIA TRANSFORMER	89.3		2	
3		192										78.3		4	
5			192										76.8	6	
7				SPARE										8	
9														10	
11														12	
13				SPARE										14	
15														16	
17														18	
19				SPACE										20	
21														22	
23														24	
281.3	270.3	268.8		TOTAL/PHASE											

VOLTS: 480/277, 3 PHASE, 4 WIRE
 MCB:
 MLO:
 FAULT AMPS: 35,000

DESIGNATION: GMH31
 LOCATION: ELEC CLOS 332
 MOUNTING: SURFACE

PANELBOARD SCHEDULE GML31															
CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT TRIP	BKR POLE	CKT TRIP	BKR POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C									A	B	C	
1	5.8			FCU3-1	M	15	1	15	1	M	FCU3-2	5.8		2	
3		8.4		FCU3-3, FCU3-10	M	15	1	15	1	M	FCU3-7		5.8	4	
5			5.8	FCU3-6	M	15	1	15	1	M	FCU3-9			6	
7	8.4			FCU3-8, FCU3-15	M	15	1	15	1	M	FCU3-14	5.8		8	
9		8.4		FCU3-11, FCU3-12	M	15	1	15	1	M	FCU3-19		5.8	10	
11			8.4	FCU3-13, FCU3-16	M	15	1	15	1	M	FCU3-25			12	
13	8.4			FCU3-20, FCU3-21	M	15	1	15	1	M	FCU3-24	5.8		14	
15		8.4		FCU3-18, FCU3-26	M	15	1	15	1	M	FCU3-4, FCU3-5		8.4	16	
17			8.4	FCU3-17, FCU3-22A	M	15	1	15	1	M	FCU3-22B			18	
19	5.8			FCU3-23	M	15	1	15	1		SPARE			20	
21		8		CH-1 HEAT TRACE	M	15G	1	15	1		SPARE			22	
23			3	REC - CH-1 & CU'S ON ROOF	R	20	1	15	1		SPARE			24	
25				SPARE							SPARE			26	
27		8		DOAS-1 HEAT TRACE	M	15G	1	15	1		SPARE			28	
29				SPARE							SPARE			30	
31				SPARE							SPARE			32	
33				SPARE							SPARE			34	
35				SPARE							SPARE			36	
37				SPARE							250	3		38	
39				SPARE										40	
41				SPARE										42	
206.3	180.8	177.25		TOTAL/PHASE											

VOLTS: 120/208, 3 PHASE, 4 WIRE
 MCB:
 MLO:
 FAULT AMPS: 22,000

DESIGNATION: GML31
 LOCATION: ELEC CLOSET 332
 MOUNTING: SURFACE

PANELBOARD SCHEDULE ML21															
CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT TRIP	BKR POLE	CKT TRIP	BKR POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C									A	B	C	
1	1.3			REC - AC2-1 CONDENSATE LIFT PUMP	M	20G	1	20G	1	R	REC - 229 FOUNTAIN	5		2	
3		5		REC - 210 FOUNTAIN	R	20G	1	20	1		SPARE			4	
5			1	TPA-2	M	20	1	20	1		SPARE			6	
7	4			210, 211, 240, 241 FAUCET	M	20	1	20	1		SPARE			8	
9			6	CAV2-1, VAV2-7, VAV2-8, CAV2-7	M	20	1	20	1		SPARE			10	
11			7.5	VAV2-2 THRU 6	M	20	1	20	1		SPARE			12	
13				SPARE										14	
15														16	
17														18	
19				SPARE										20	
21				SPARE										22	
23				SPARE										24	
25				SPARE										26	
27				SPARE										28	
29				SPARE										30	
31				SPACE										32	
33				SPACE										34	
35				SPACE										36	
37				SPACE				60	3	M	PANEL ML11	31.9		38	
39				SPACE								26.1		40	
41				SPACE									27.56	42	
42.2	37.1	36.05		TOTAL/PHASE											

VOLTS: 120/208, 3 PHASE, 4 WIRE
 MCB:
 MLO:
 FAULT AMPS: 10,000

DESIGNATION: ML21
 LOCATION: ELECTRICAL 205
 MOUNTING: SURFACE

PANELBOARD SCHEDULE ML31															
CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT TRIP	BKR POLE	CKT TRIP	BKR POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C									A	B	C	
1	1.3			REC - AC3-1 CONDENSATE LIFT PUMP	M	20G	1	20	1		SPARE			2	
3		1.5		REC - DOAS-1	R	20	1	20	1		SPARE			4	
5			6	VAV3-1, VAV3-2, VAV3-4, VAV3-5	M	20	1	20	1		SPARE				

PANELBOARD SCHEDULE RL11

CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT BKR TRIP POLE	CKT BKR TRIP POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C							A	B	C	
1	7.5			REC - 139 NORTH AND EAST WALL	R	20	1	R	REC - 140 OUTSIDE	1.5			2
3		9		REC - 139 WEST, SOUTH, EAST WALL	R	20	1	R	REC - 112		7.5		4
5			9	REC - 139 FLOOR	R	20	1	R	REC - 113			10.5	6
7	1.5			REC - 139 COUNTERTOP 1	R	20	1	R	REC - 109, 110A	3			8
9		1.5		REC - 139 COUNTERTOP 2	R	20	1	R	SPARE				10
11			6	REC - 139 FLOOR 1	R	20	1	R	REC - 114			9	12
13	3			REC - 139 EAST FLOOR	R	20	1	R	REC - S1	3			14
15		6		REC - 139 FLOOR 2	R	20	1	R	REC - 115		9		16
17			3	REC - 139 EAST WALL	R	20	1	R	REC - 129A WEST WALL			4.5	18
19	6			REC - 139 FLOOR 3	R	20	1	R	REC - 117, 129	6			20
21		6		REC - 139 FLOOR 4	R	20	1	R	REC - 133		6		22
23			3	REC - 139 WEST FLOOR	R	20	1	R	REC - 129A SOUTH WALL			1.5	24
25	6			REC - 139A	R	20	1	R	REC - 002 WEST WALL	1.5			26
27		9		REC - 139 TVS	R	20	1	R	REC - 002 SOUTH WALL		24		28
29			4.5	REC - 141A	R	20	1	R	REC - 120 FLOOR			3	30
31	7.5			REC - 127	R	20	1	R	REC - 120 TVS	9			32
33		7.5		REC - 128 NORTH, EAST, AND WEST WALL	R	20	1	R	REC - 138		1.5		34
35				SPARE	R	20G	1	R	REC - 001 & S3			4.5	36
37	1.5			REC - 128 SOUTH WALL 1	R	20	1	R	REC - 130	6			38
39				SPARE	R	20	1	R	REC - 131		3		40
41		1.5		REC - 128 SOUTH WALL 2	R	20	1	R	REC - 128 SOUTH WALL 3			1.5	42
43	6			REC - 124	R	20	1	R	REC - 108	9			44
45		9		REC - 121	R	20	1	R	REC - 118 TV		4.5		46
47			10.5	REC - 120	R	20	1	R	REC - 118			9	48
49	30			EV CHARGER 1	1	40G	2	R	REC - 104	7.5			50
51		30		EV CHARGER 2	1	40G	2	R	REC - 103		3		52
53			30	EV CHARGER 2	1	40G	2	R	REC - 107		7.5		54
55	30			SPARE				R	REC - S2	3			56
57				SPARE				R	SPARE				58
59				SPARE				R	SPARE				60
61	1.5			REC - EXTERIOR	R	20	1	R	SPARE				62
63				SPARE				R	SPARE				64
65		10.5		REC - 136	R	20	1	R	REC - S3 & S2			6	66
67				SPARE				R	REC - 146	4.5			68
69				SPARE				R	REC - 100A		6		70
71				SPARE				R	REC - 101		9		72
73				SPARE				R	SPARE				74
75				SPARE				R	REC - 119		9		76
77				SPARE				R	REC - 137			1.5	78
79				SPARE				R					80
81				SPARE				R					82
83				SPARE				R					84
TOTAL/PHASE										154.5	151.5	145.5	
VOLTS: 120/208, 3 PHASE, 4 WIRE													DESIGNATION: RL11
MCB: <input type="checkbox"/>													LOCATION: ELECTRICAL RM 106
MLO: <input type="checkbox"/>													MOUNTING: SURFACE
FAULT AMPS: 10,000													MCB AMPS: 150
													BUS AMPS: 225

PANELBOARD SCHEDULE GTL11

CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT BKR TRIP POLE	CKT BKR TRIP POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C							A	B	C	
1	3			REC - 142 WEST AND NORTH WALL	R	20	1	R	SPARE				2
3		3		REC - 142 WEST AND SOUTH WALL	R	20	1	R	SPARE				4
5			1.5	REC - 142 EAST WALL	R	20	1	R	REC - 140			7.5	6
7	3			REC - 142 NORTH AND SOUTH WALL	R	20	1	R	SPARE				8
9		3		REC - 142 REAR RACK 1	R	20	1	R	REC - 143 DOOR LOCK POWER			5	10
11			3	REC - 142 REAR RACK 2	R	20	1	R	REC - 122 NORTH			3	12
13	24			REC - 142 SPECIALTY	R	30	1	R	REC - 122 SOUTH 1	1.5			14
15		5		REC - 140 PRINTER	R	20	1	R	REC - 122 SOUTH 2		1.5		16
17			5	REC - 113A FRIDGE	R	20	1	R	REC - 122 SOUTH 3			1.5	18
19	1.5			REC - 128 SOUTH WALL	R	20	1	R	REC - 122 SOUTH 4	1.5			20
21		5		REC - 128 FRIDGE	R	20G	1	R	REC - 122 SOUTH 5		1.5		22
23				SPARE				R	REC - 122 SOUTH 6			1.5	24
25				SPARE				R	REC - 122 SOUTH 7	1.5			26
27	1.5			REC - ELEVATOR RHT	B	20	1	R	BUILDING MOUNTED AND SITE EMERGENCY CALL BOXES		5		28
29			4.5	REC - 143 WEST	R	30	1	R	KEY CONDUCTOR			5	30
31	2			LTC - ELEVATOR CAB	L	20	1	R	PANEL GTL32	3			32
33		1.5		REC - 003 EAST WALL	R	20	1	R			27		34
35			5	POWERED DOOR OPERATOR 2ND FLOOR		20	1	R				3	36
37				SPARE				R	PANEL GTL21			6	38
39		3		REC - 143 EAST	R	20	1	R					40
41			5	POWERED DOOR OPERATOR 1ST FLOOR		20	1	R					42
43				SPARE				R					44
45				SPARE				R					46
47				SPARE				R					48
49				SPARE				R					50
51				SPARE				R					52
53				SPARE				R					54
TOTAL/PHASE										71	68	75.5	
VOLTS: 120/208, 3 PHASE, 4 WIRE													DESIGNATION: GTL11
MCB: <input type="checkbox"/>													LOCATION: SECURITY 143
MLO: <input type="checkbox"/>													MOUNTING: SURFACE
FAULT AMPS: 10,000													MCB AMPS: 110
													BUS AMPS: 225

DRAWING KEYNOTES

- 1 PROVIDE GROUND FAULT CIRCUIT BREAKER.
- 2 COORDINATE CIRCUIT BREAKER SIZE WITH THE GOVERNMENT BASED ON SPECIALTY RECEPTACLE PROVIDED. FOR BIDDING PURPOSES ASSUME INDICATED BREAKER.

PANELBOARD SCHEDULE GTL21

CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT BKR TRIP POLE	CKT BKR TRIP POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C							A	B	C	
1	3			REC - 220 NORTH AND WEST WALL	R	20	1	R	SPARE				2
3		3		REC - 220 REAR RACK 1	R	20	1	R					4
5			3	REC - 220 REAR RACK 2	R	20	1	R	SPARE				6
7				SPARE				R	SPARE				8
9				SPARE				R	SPARE				10
11				SPARE				R	SPARE				12
13				REC - 220 SPECIALTY	R	30	1	R	SPARE				14
15				SPARE				R	SPARE				16
17				SPARE				R	SPARE				18
19				SPARE				R	SPARE				20
21				SPARE				R	PANEL GTL31			3	22
23				SPARE				R					24
TOTAL/PHASE										30	6	30	
VOLTS: 120/208, 3 PHASE, 4 WIRE													DESIGNATION: GTL21
MCB: <input type="checkbox"/>													LOCATION: IDF-A 220
MLO: <input type="checkbox"/>													MOUNTING: SURFACE
FAULT AMPS: 10,000													MCB AMPS: 80
													BUS AMPS: 100

PANELBOARD SCHEDULE GTL31

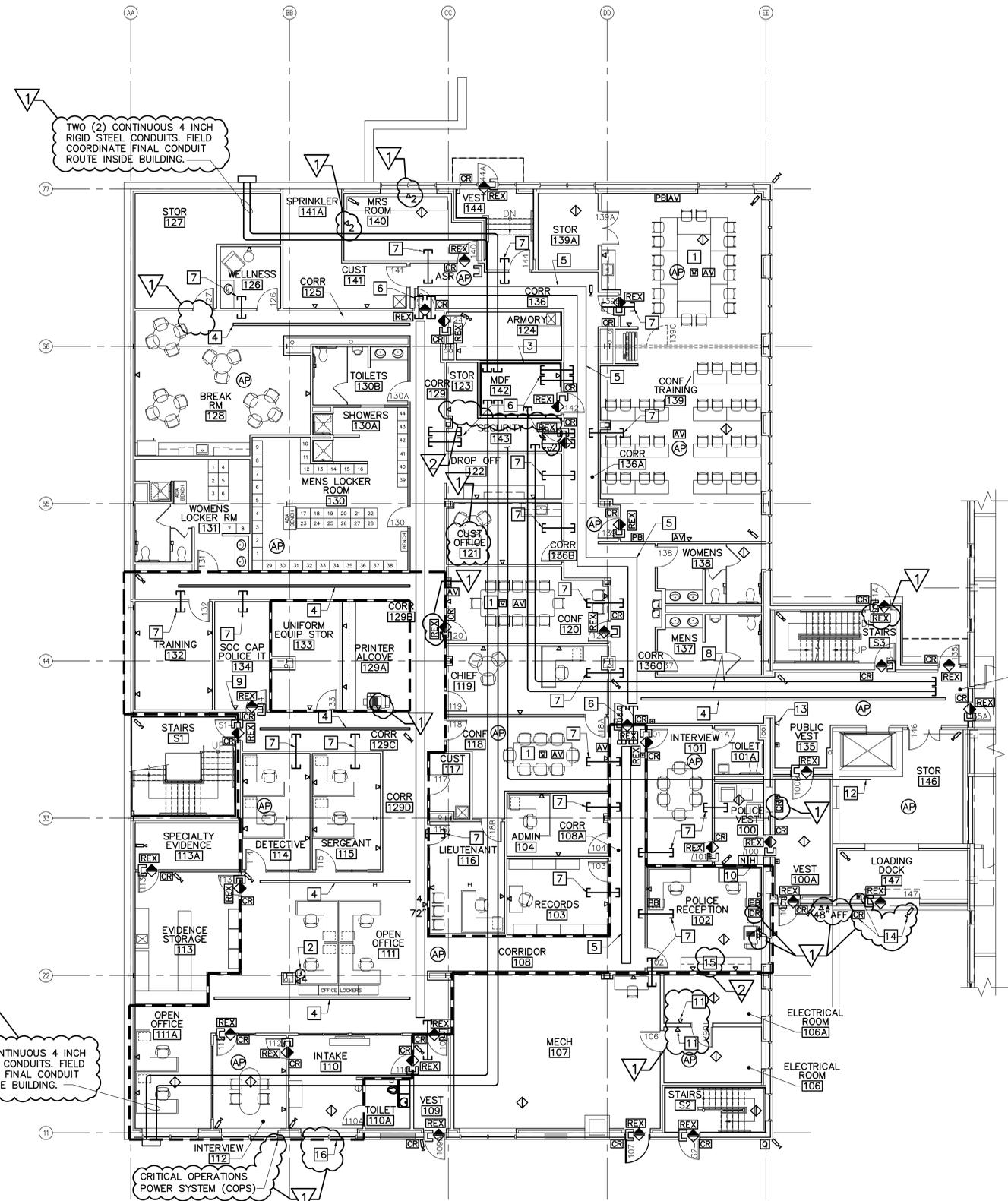
CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT BKR TRIP POLE	CKT BKR TRIP POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C							A	B	C	
1	3			REC - 318 SOUTH AND EAST WALL	R	20	1	R	SPARE				2
3		3		REC - 318 REAR RACK 1	R	20	1	R	SPARE				4
5			3	REC - 318 REAR RACK 2	R	20	1	R	SPARE				6
7				REC - 318 SPECIALTY	R	30	1	R	SPARE				8
9				SPARE				R	SPARE				10
11				SPARE				R	SPARE				12
13				SPARE				R	SPARE				14
15				SPARE				R	SPARE				16
17				SPARE				R	SPARE				18
19				SPARE				R	SPARE				20
21				SPARE				R	SPARE				22
23				SPARE				R	SPARE				24
TOTAL/PHASE										27	3	3	
VOLTS: 120/208, 3 PHASE, 4 WIRE													DESIGNATION: GTL31
MCB: <input type="checkbox"/>													LOCATION: IDF-B 318
MLO: <input type="checkbox"/>													MOUNTING: SURFACE
FAULT AMPS: 10,000													MCB AMPS: 60
													BUS AMPS: 100

PANELBOARD SCHEDULE GTL32

CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT BKR TRIP POLE	CKT BKR TRIP POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C							A	B	C	
1	3			REC - 306 REAR RACK 2	R	20	1	R	SPARE				2
3		24		REC - 306 SPECIALTY	R	20	1	R	SPARE				4
5			3	REC - 306 REAR RACK 1	R	20	1	R	SPARE				6
7				SPARE				R	SPARE				8
9		3		REC - 306 NORTH AND WEST WALL	R	20	1	R	SPARE				10
11				SPARE				R	SPARE				12
13				SPARE				R	SPARE				14
15				SPARE				R	SPARE				16
17				SPARE				R	SPARE				18
19				SPARE				R	SPARE				20
21				SPARE				R	SPARE				22
23				SPARE				R	SPARE				24
TOTAL/PHASE										3	27	3	
VOLTS: 120/208, 3 PHASE, 4 WIRE													DESIGNATION: GTL32
MCB: <input type="checkbox"/>													LOCATION: IT 306
MLO: <input type="checkbox"/>													MOUNTING: SURFACE
FAULT AMPS: 10,000													MCB AMPS: 60
													BUS AMPS: 100

PANELBOARD SCHEDULE GML11

CKT NO	AMPS PER PHASE			DESCRIPTION	LOAD TYPE	CKT BKR TRIP POLE	CKT BKR TRIP POLE	LOAD TYPE	DESCRIPTION	AMPS PER PHASE			CKT NO
	A	B	C							A	B	C	
1	8.4			FCU1-2, FCU1-4	M	15	1	M	CU1-2, AC1-2	14.6			2
3		5.8		FCU1-5									



1 FIRST FLOOR TECHNOLOGY PLAN
ET101 SCALE: 1/8"=1'-0"

ROUTE CONDUIT TO COMMUNICATIONS ROOM/AREA, J-HOOK PATHWAY OR CABLE TRAY ABOVE ACCESSIBLE CEILINGS. UTILIZE EMT CONDUIT WHEN EXPOSED.

SUPPORT CONDUIT FROM STRUCTURE (TYPICAL)

WHERE CONDUITS EXTEND THRU RATED WALL ASSEMBLIES, PROVIDE APPROVED FIRE SEALS AT OPENINGS (TYP)

CONDUIT CONNECTOR AND THREAD ON INSULATED BUSHING (TYP)

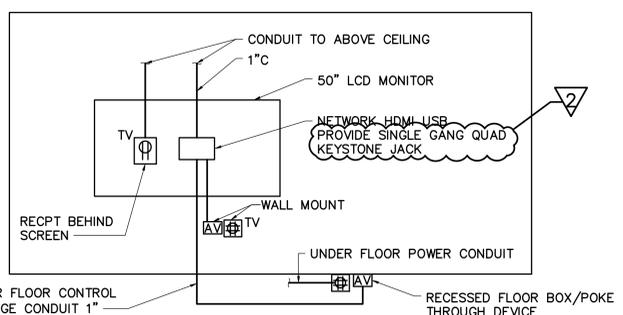
1" EMT CONDUIT CONCEALED IN WALLS

WALL OUTLET
4-11/16" SQUARE BY 2-1/8" DEEP BOX WITH A RAISED SINGLE GANG MUD RING AND AN IVORY COLORED SINGLE GANG, 1-PORT, COVER PLATE. PROVIDE ASSOCIATED JACK.

COMBINATION DATA/VOICE OUTLET
4-11/16" SQUARE BY 2-1/8" DEEP BOX WITH A RAISED SINGLE GANG MUD RING AND AN IVORY COLORED SINGLE GANG, 2,4, OR 6 PORT, COVER PLATE, AS INDICATED. PROVIDE ASSOCIATED JACKS.

- TELECOMMUNICATIONS PATHWAY DETAIL NOTES:**
1. PROVIDE CONCEALED CONDUITS AND RECESSED BOXES EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
 2. PROVIDE SURFACE RACEWAYS AND SURFACE RACEWAY BOXES WHERE INDICATED. BASIS OF DESIGN: WIREMOLD 2000 SERIES PRODUCTS.
 3. PROVIDE SEPARATE PATHWAYS SYSTEM FOR DATA SYSTEMS.
 4. TYPICAL AT EACH DATA/TELEPHONE OUTLET SHOWN ON PLANS
 5. PROVIDE ACOUSTIC AND AIR SEALING FOR BOXES. REFER TO ARCHITECTURAL AND ACOUSTIC SPECIFICATIONS.
 6. CABLING FOR AV SYSTEMS MUST BE COMPLETELY IN CONDUIT.

2 TELECOMMUNICATIONS PATHWAY DETAIL
ET101 NOT TO SCALE



- TYPICAL CONFERENCE ROOM INTERIOR ELEVATION DETAIL NOTES:**
1. REFER TO PLANS FOR LOCATION OF AV CONNECTIONS BOXES. EACH LOCATION WILL HAVE EITHER A WALL MOUNTED BOX OR FLOOR MOUNTED AV BOX.
 2. FIELD COORDINATE FINAL LOCATION OF AV BOX AND DATA/VOICE WITH STATE OF MAINE.

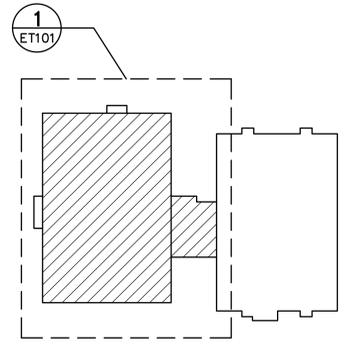
3 TYPICAL CONFERENCE ROOM INTERIOR ELEVATION
ET101 NOT TO SCALE

KEYNOTES (THIS SHEET ONLY)

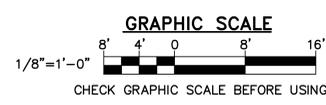
- 1 PROVIDE DATA IN SAME FLOOR BOX AS POWER.
- 2 PROVIDE COMMUNICATION PATHWAY CONCEALED IN COLUMN WRAP.
- 3 PROVIDE FIRE RETARDANT PLYWOOD FROM 3' AFF TO 7' AFF.
- 4 4"x4" WIRE BASKET TRAY.
- 5 4"x16" WIRE BASKET TRAY.
- 6 TWO 4" SLEEVES.
- 7 2" SLEEVE.
- 8 4" CONDUIT ABOVE CEILING. CAP AT EACH END.
- 9 DATA JACK FACEPLATE(S) MUST BE LABELED "STATE OF MAINE NETWORK ONLY".
- 10 DOOR HOLDER MUST DROP UPON PANIC BUTTON ACTIVATION AND FIRE ALARM ACTIVATION.
- 11 FOR USE WITH ELECTRICAL METERING. COORDINATE EXACT LOCATION WITH THE GOVERNMENT.
- 12 2" CONDUIT DOWN TO ELEVATOR MACHINE ROOM.
- 13 FOR KEY CONDUCTOR-60 COORDINATE EXACT LOCATION WITH THE GOVERNMENT
- 14 CARD READER, PUSH BUTTON, AND CAMERA ARE FOR LOADING DOCK DOOR OPERATION AND SECURITY. THE CAMERA MUST SENSE WHEN A TRUCK IS NOT PRESENT, OR LEAVES, AND AUTOMATICALLY CLOSE THE DOOR. COORDINATE WITH BGS.
- 15 PROVIDE 1.5" CONDUIT, BUSHINGS, JUNCTION BOXES, ROOF PENETRATION, WEATHERHEAD, AND PULL STRING, BETWEEN THIS ROOM AND THE ROOFTOP FOR RADIO CABLES. COORDINATE EXACT ROUTING WITH THE STATE OF MAINE.
- 16 THIS AREA IS PART OF THE CRITICAL OPERATIONS POWER SYSTEM (COPS) (NEC 708.14). WIRING FOR THE SYSTEMS IN THIS AREA NEED TO BE IN RIGID CONDUIT IF THEY ARE SERVING THE COPS SPACE. WIRING MUST BE SHIELDED OR INSTALLED TO COMPLY WITH THE PERFORMANCE REQUIREMENTS OF THE SYSTEM. WIRING MUST BE RISER RATED AND MUST BE A 2 HOUR ELECTRICAL CIRCUIT PROTECTIVE SYSTEM.

TWO (2) CONTINUOUS 4 INCH RIGID STEEL CONDUITS. FIELD COORDINATE FINAL CONDUIT ROUTE INSIDE BUILDING.

CRITICAL OPERATIONS POWER SYSTEM (COPS)



KEY PLAN
PLAN NORTH



NO.		DATE	DESCRIPTION	BY	CHECK BY
2	2/13/26	ADDENDUM 5	KAO		
1	1/23/26	ADDENDUM 3	KAO		

NO.	DATE	DESCRIPTION	BY	CHECK BY

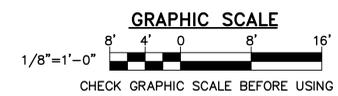
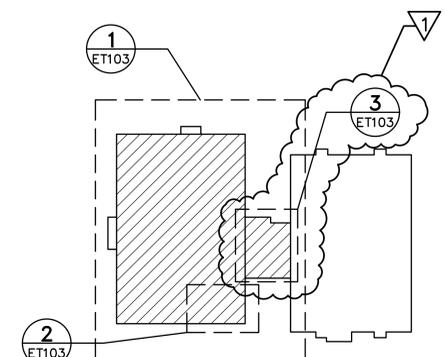
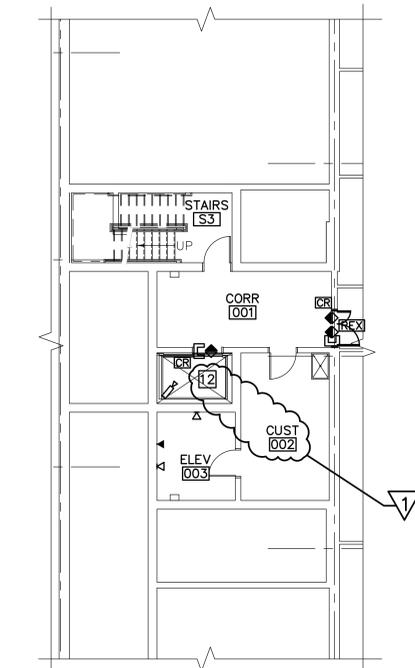
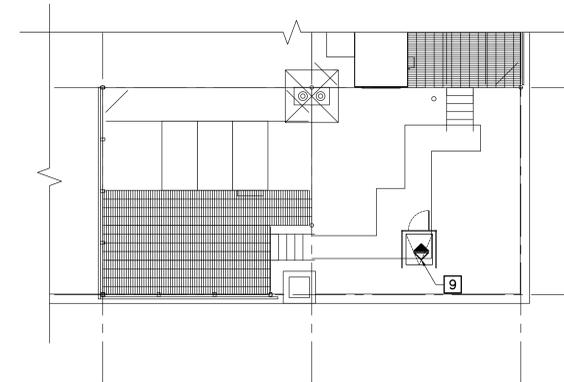
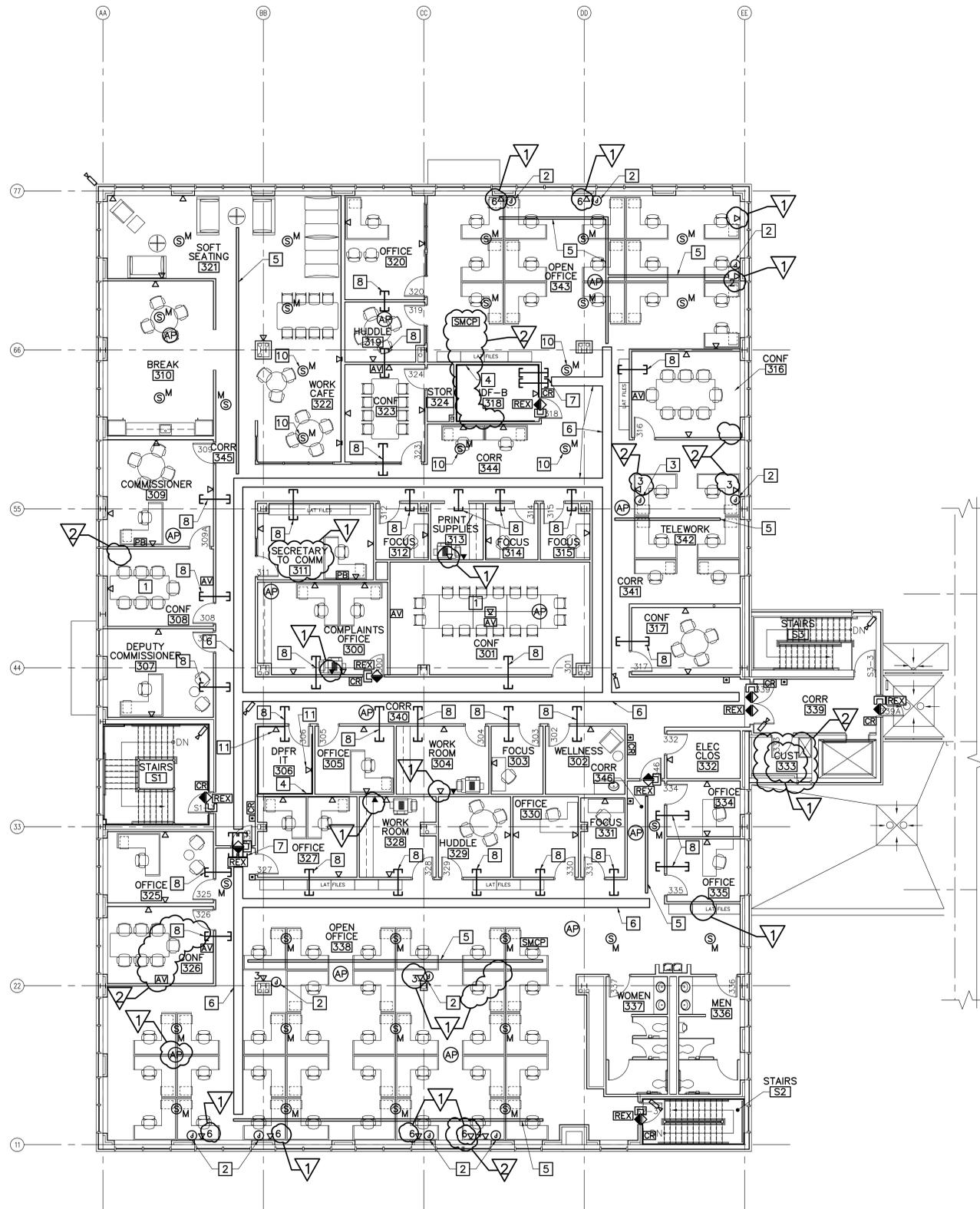
STATE OF MAINE BGS	
TITLE	221 STATE STREET BUILDING RENOVATIONS
BGS PROJECT NO.	3143
LOCATION	AUGUSTA, MAINE
TITLE THIS DWG.	FIRST FLOOR TECHNOLOGY PLAN AND DETAILS
DRAWN BY	BPD
CHECKED BY	KAO
DATE	12/16/2025

GENERAL NOTES (THIS SHEET ONLY)

1. PROVIDE COMPLETE SOUND MASKING SYSTEM. FIELD ADJUST SPEAKERS OR PROVIDE ADDITIONAL DEVICES TO COMPLETE COVERAGE. REFER TO PLANS FOR DEVICE LOCATIONS. REFER TO DETAIL 2 ON ET102 FOR TYPICAL SOUND MASKING WIRING DIAGRAM.

KEYNOTES (THIS SHEET ONLY)

- 1 PROVIDE DATA IN SAME FLOOR BOX AS POWER.
- 2 PROVIDE COMMUNICATIONS PATHWAY CONCEALED IN WALL/COLUMN WRAP.
- 3 PROVIDE COMMUNICATIONS PATHWAY CONCEALED UNDER FLOOR TO FLOOR BOX.
- 4 PROVIDE FIRE RETARDANT PLYWOOD FROM 3'AFF TO 7'AFF.
- 5 4"x4" WIRE BASKET TRAY.
- 6 4"x16" WIRE BASKET TRAY.
- 7 TWO 4" SLEEVES.
- 8 2" SLEEVE.
- 9 MAGNETIC DOOR CONTACT FOR ROOF HATCH.
- 10 PROVIDE FLUSH MOUNTED CEILING SPEAKERS FOR SOUND MASKING SYSTEM.
- 11 DATA JACK FACEPLATE(S) SHALL BE LABELED "STATE OF MAINE NETWORK ONLY".
- 12 ELEVATOR CABLING MUST INCLUDE CAT 6 IN TRAVELLER.



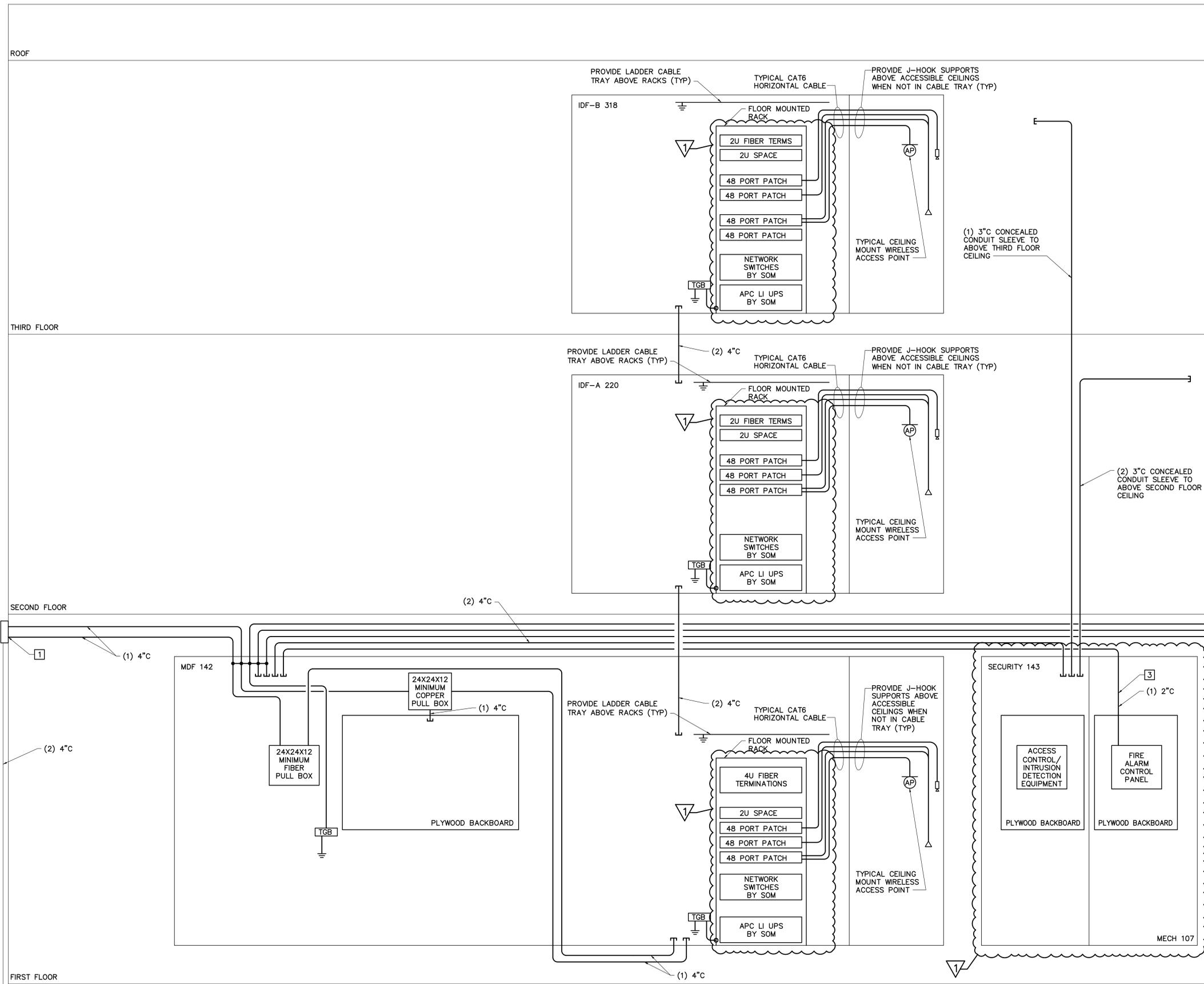
STATE OF MAINE BGS			
TITLE 221 STATE STREET BUILDING RENOVATIONS BGS PROJECT NO. 3143 LOCATION AUGUSTA, MAINE			
TITLE THIS DWG. BASEMENT, THIRD FLOOR, AND ROOF TECHNOLOGY PLANS			
OAK POINT ASSOCIATES			
ET103			
NO.	DATE	DESCRIPTION	BY
2	2/13/26	ADDENDUM 5	KAO
1	1/23/26	ADDENDUM 3	KAO
REVISIONS			NO.
			DATE
			12/16/2025

GENERAL NOTES

1. PROVIDE PATHWAYS AND BOXES FOR COMMUNICATIONS SYSTEMS INCLUDING CABLE TRAYS, CONDUIT, AND J-HOOKS. PROVIDE BACKBONE CABLING, HORIZONTAL CABLING, JACKS, FACEPLATES, RACKS, PATCH PANELS, AND TESTING FOR TELEPHONE AND DATA SYSTEMS. SWITCHES PROVIDED BY OTHERS.
2. REFER TO CONDUIT INSTALLATION NOTES ON E-001.
3. ENTRANCE CONDUIT MUST BE RMC IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND NEC 800.48.
4. SUSPEND CABLE TRAY AND LADDER TRAY FROM STRUCTURE ABOVE. TRAYS MUST NOT BE SUSPENDED FROM SAT OR GYP CEILINGS.

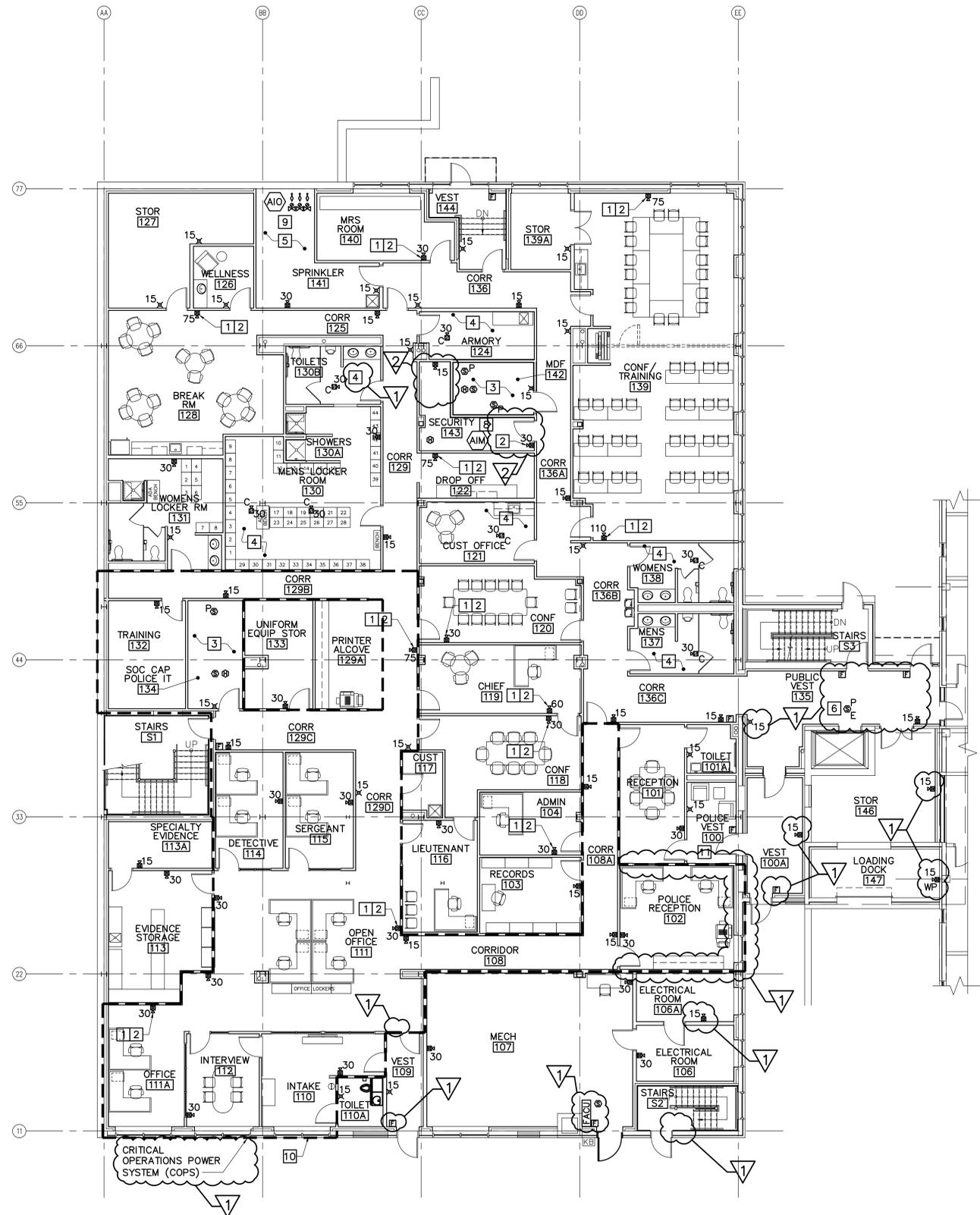
KEYNOTES (THIS SHEET ONLY)

- 1 REMOVE EXISTING JUNCTION BOX ON EXTERIOR OF BUILDING. PROVIDE JUNCTION BOX AND EXTEND CONDUITS UP SIDE OF BUILDING SO JUNCTION BOX ALLOWS CONDUITS TO ENTER BUILDING ABOVE INTERIOR CEILINGS.
- 2 HAND EXCAVATE ON BUILDING EXTERIOR TO EXPOSE (3) BURIED 4" CONDUITS. EXTEND CONDUITS UP BUILDING ALL AND PROVIDE LBS WHERE CONDUIT ENTERS BUILDING. CONDUITS MUST ENTER BUILDING ABOVE INTERIOR CEILINGS.
- 3 FIBER OPTIC CABLE WILL BE TERMINATED IN A CORNING SPH-01P SINGLE PANEL WALL HOUSING EXTERNALLY TO THE FACP PANEL/CABINET.

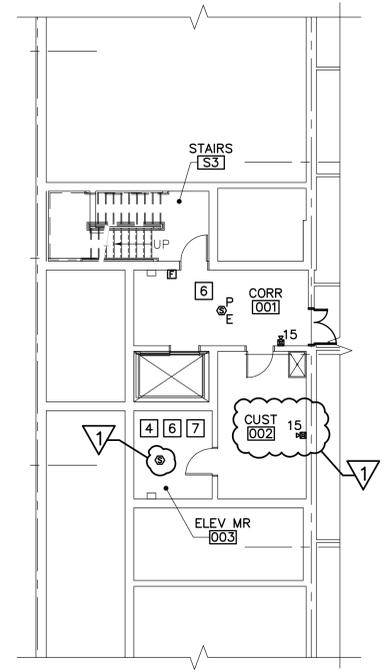


1 COMMUNICATIONS ONE-LINE DIAGRAM
ET501/ NOT TO SCALE

		STATE OF MAINE	
		BGS	
		TITLE 221 STATE STREET BUILDING RENOVATIONS	
		BGS PROJECT NO. 3143	
		LOCATION AUGUSTA, MAINE	
		TITLE THIS DWG.	
		TECHNOLOGY ONE-LINE DIAGRAM	
2	2/13/26	ADDENDUM 5	KAO
1	1/23/26	ADDENDUM 3	KAO
NO.	DATE	DESCRIPTION	BY
		CHECK BY: KAO	
REVISIONS		NO.	
		DATE	12/16/2025



1 FIRST FLOOR FIRE ALARM PLAN
 FA101 SCALE: 1/8"=1'-0"
 PLAN NORTH



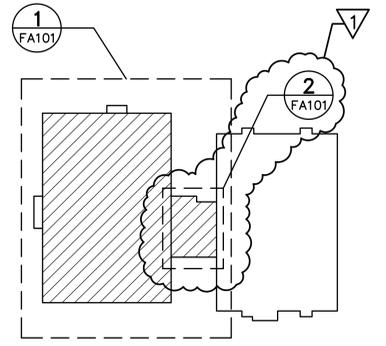
2 BASEMENT FIRE ALARM PLAN
 FA101 SCALE: 1/8"=1'-0"
 PLAN NORTH

GENERAL NOTES (THIS SHEET ONLY)

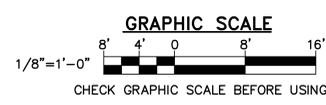
1. REFER TO SHEET E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
2. REFER TO SHEET FA102 FOR FIRE ALARM RISER, MATRIX AND GENERAL NOTES.
3. COORDINATE WORK WITH STATE OF MAINE FIRE MARSHALL AND ELECTRICAL INSPECTIONS DEPT.
4. COORDINATE WORK WITH STATE OF MAINE BGS.
5. COORDINATE WORK WITH CITY OF AUGUSTA FIRE DEPARTMENT RULES AND REGULATIONS.
6. COORDINATE WORK WITH FIRE PROTECTION (SPRINKLER) DESIGNER AND INSTALLER.
7. COORDINATE WORK AT FIRE ALARM SYSTEM DUCT SMOKE DETECTORS WITH MECHANICAL INSTALLER.
8. REFER TO AE SHEETS FOR WALL TYPES, CEILING TYPES, WALL MOUNTED ITEMS INCLUDING WHITE BOARDS, TACKBOARDS, VIDEO MONITORS, AND WINDOW TREATMENT.
9. REFER TO EP SHEETS FOR 120 VOLT POWER TO FA EQUIPMENT.
10. PROVIDE WORK IN-COMPLIANCE WITH NFPA 70, NFPA 72 AND NFPA 101.
11. PROVIDE FA WIRING IN CONDUIT. CONDUIT, BOXES, BOX COVERS, CONDUIT FITTINGS, AND ACCESSORIES SHALL BE FACTORY PAINTED RED.
12. FIRE ALARM SYSTEM IS TO BE UNDER A SEPARATE PERMIT OBTAINED BY THE CONTRACTOR PRIOR TO INSTALLATION. COORDINATE WITH THE STATE OF MAINE BGS.

KEYNOTES (THIS SHEET ONLY)

- 1 COORDINATE LOCATION WITH WALL MOUNTED FURNISHINGS.
- 2 STROBE APPLIANCE CANDELLA RATING IS UPSIZED TO ACCOUNT FOR APPLIANCE BEING LOCATED OFF CENTERED WITHIN THIS SPACE.
- 3 PROVIDE SYSTEM SMOKE SENSORS IN IT ROOM. PROVIDE QUANTITY INDICATED. COORDINATE MOUNTING LOCATION WITH CEILING MOUNTED LIGHTS, CABLES TRAY AND DATA CABLES.
- 4 COORDINATE CEILING MOUNTED FIRE ALARM APPLIANCES WITH HVAC, SPRINKLER AND LIGHT FIXTURES TO AVOID CONFLICT.
- 5 PROVIDE MONITORING OF FIRE PROTECTION TAMPER, FLOW, DEVICES.
- 6 COORDINATE WORK WITH ELEVATOR INSTALLER.
- 7 MONITOR CONTROL POWER AT ELEVATOR SHUNT TRIP SWITCH.
- 8 143 SECURITY REQUIRES A SINGLE POINT ADDRESSABLE FA RELAY. REQUIRED FOR LOCK FACP INTERCONNECTION.
- 9 PROVIDE CONNECTION TO PREACTION SYSTEM.
- 10 THIS AREA IS PART OF THE CRITICAL OPERATIONS POWER SYSTEM (COPS) (NEC 708.14). WIRING FOR THE SYSTEMS IN THIS AREA NEED TO BE IN RIGID CONDUIT IF THEY ARE SERVING THE COPS SPACE. WIRING MUST BE SHIELDED OR INSTALLED TO COMPLY WITH THE PERFORMANCE REQUIREMENTS OF THE SYSTEM. WIRING MUST BE RISER RATED AND MUST BE A 2 HOUR ELECTRICAL CIRCUIT PROTECTIVE SYSTEM.
- 11 MAGNET HOLD-OPEN AT MCP RECEPTION 100. THIS MUST DROP UPON FA ACTIVATION AND PANIC BUTTON ACTIVATION. REFER TO E101 FOR LOCATION AND COORDINATE.



KEY PLAN
 PLAN NORTH



STATE OF MAINE BGS			
TITLE 221 STATE STREET BUILDING RENOVATIONS			
BGS PROJECT NO. 3143			
LOCATION AUGUSTA, MAINE			
TITLE THIS DWG.			
BASEMENT AND FIRST FLOOR FIRE ALARM PLANS			
NO.	DATE	DESCRIPTION	BY
2	2/13/26	ADDENDUM 5	KAO
1	1/23/26	ADDENDUM 3	KAO
REVISIONS			NO.
			DATE
			12/16/2025