ADDENDUM NO. 2

DATE: July 19, 2024

PROJECT: East Providence Police Department Renovations

750 Waterman Avenue

East Providence, Rhode Island

FROM: JCJ Architecture

21 West 3rd Street Boston, Massachusetts

617-532-6600

TO: Bidders of Record

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated June 21, 2024. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of three (3) pages and the following attached documents:

- 1. Drawings.
- 2. Specifications

GENERAL:

- 1. The bid opening date has been extended from <u>Wednesday</u>, <u>July 24</u>, <u>2024 at 11:00am</u> to <u>Thursday</u>, <u>August 1</u>, <u>2024 at 11:00am</u>. The location of the bid opening remains the same.
- 2. The deadline to submit questions has been extended from Wednesday, July 17, 2024 to Wednesday, July 24, 2024 at 4:00pm.
- 3. Separate addenda will be issued to address any unanswered questions.

PROJECT MANUAL:

- 1 087100 Door Hardware
- 2 092116 Gypsum Board Assemblies Revised

RE-ISSUED DRAWINGS:

| 1. | A-020 | Code Information and Phasing |
|----|-------|----------------------------------|
| 2. | A-610 | Door Schedule and Details |
| 3. | A-620 | Room Finish and Signage Schedule |
| 4. | E-211 | Lower Level – Power Plan |
| 5. | E-301 | Schedules and Details |

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REQUEST FOR INFORMATION:

Nolin Electric, RFI Dated 7/16/2024

- 1. O: See below
- a. Comparing Sheet A-020 Phasing Plan to the Electrical Floor Plans, there are some rooms that fall outside of the designated phased areas: 007 Weapons Cleaning, 017 Evidence Cleaning, 018 Traffic, 107 Report Writing, 108 Payroll, 114 Planning and Training, 123 Sergeant's Office, 131 Decomp.
 - See A-020 in addendum 2 for phasing in rooms mentioned above. **A**:
- **b.**During which Phase will the Switchboard Breakers and new Panels be installed?
 - Switchboard breakers and new panel boards to be installed in Phase 1.
- **c.** Are the EBU's in the corridors part of the Alternate?
 - EBU's are part of Alternate.
- d. The location shown for new Panel MP1 is presently occupied by two disconnect switches and motor starters. Are these being removed to make way for the new panel?
 - New panel MP1 shall be installed adjacent to exiting panel "M" Tack board and desk A: shall be relocated by General Contractor.
- e. The One-Line Diagram shows MDP with breakers existing. MDP Schedule notes to provide 4 new breakers, three of which are for existing loads. Are the breakers for Panels M, IT and C being replaced? Is the 100A breaker for Panel MP1 existing?
 - Only breakers for new panel PP2 and new panel MP1 are required . Breakers for panel A: M,C, and IT to remain.
- **f.** Which panel feeds the coiling door at Armory 014?
 - Coiling door shall go to 20A/1-pole breaker MP1-25.
- g. Which panel feeds EWH-1 and the trap primer in Swat Storage 009?
 - EWH-1 shall be circuited to a 40A/2-pole breaker MP1-27,29. Trap primer shall be **A**: circuited to a 20A/1-pole breaker MP1-31.

H.V. Collins Company, RFI Dated 7/16/2024

- 2. There is one hardware set in the Division 8 specifications. Is every door getting the same **Q**: hardware?
 - **A**: See addendum 2 for revised door schedule and door hardware sets and specifications. Original hardware set is only for the detention grade door.
- 3. The drawings indicate Ballistic Fiber Glass Panels. Can a specification be provided for the Ballistic Panels? Wall Partition Type A on Drawing A-030 calls to provide 2" Bullet Resistant Fiber Glass Wall Panels. What is the BL Rating for this wall type?
 - See addendum 2 for ballistic panel specification. Wall type A5 is to have a ballistic level **A**: 4 rating. Intent is for (1) 1" layer of ballistic panel with a 6" ballistic panel strip behind all joints and outlets for a total thickness of 2".
- **Q:** What is the Resinous Floor Specification for rooms indicated to receive the RF-1 Finish? 4. A: Omit RF-1 in favor of colored sealer on concrete (CONC-S) to match existing adjacent to remain. Refer to addendum 2.
- 5. Q: Specification Section 323000 Site Improvements includes: Project Signage and Posts, Steel Bollards, Player Benches, Native Stone Walls, Bike Racks, Flagpoles, Native, Boulder Embankments, Ornamental Benches, Baseball Equipment, Collapsible Bollards, Timber

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Amphitheater Seating. With the exception of the eight steel bollards, are any of these items to be included in the bid?

- A: Only the steel bollards are to be included in the bid.
- Q: The specs for the RAF-1 athletic flooring specify black. Are you looking for a plain black 6. rubber rolled flooring, or black with a colored fleck/granule?
 - The RAF-1 flooring is to be black with colored fleck/granule A:

END OF ADDENDUM NO. 1

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SECTION 087100 - DOOR HARDWARE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for hollow metal doors.
- B. Electrically operated and controlled hardware.

1.02 <u>RELATED REQUIREMENTS</u>

- A. Section 081113 Hollow Metal Doors and Frames.
- B. Section 081416 Flush Wood Doors.
- C. Section 281000 Access Control: Electronic access control devices.

1.03 REFERENCE STANDARDS

- A. ADA Standards 2010 ADA Standards for Accessible Design.
- B. BHMA (CPD) Certified Products Directory.
- C. BHMA A156.1 Standard for Butts and Hinges.
- D. BHMA A156.3 Exit Devices.
- E. BHMA A156.4 Door Closers and Pivots.
- F. BHMA A156.6 Standard for Architectural Door Trim.
- G. BHMA A156.7 Template Hinge Dimensions.
- H. BHMA A156.8 Door Controls Overhead Stops and Holders.
- I. BHMA A156.13 Mortise Locks & Latches Series 1000.
- J. BHMA A156.16 Standard for Auxiliary Hardware.
- K. BHMA A156.18 Standard for Materials and Finishes.
- L. BHMA A156.20 Standard for Strap and Tee Hinges, and Hasps.
- M. BHMA A156.26 Standard for Continuous Hinges.
- N. BHMA A156.30 High Security Cylinders.
- O. BHMA A156.31 Electric Strikes and Frame Mounted Actuators.
- P. BHMA A156.115 Hardware Preparation in Steel Doors and Frames.

- Q. BHMA A156.115W Hardware Preparation in Wood Doors with Wood or Steel Frames.
- R. DHI (H&S) Sequence and Format for the Hardware Schedule.
- S. DHI (LOCS) Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames.
- T. DHI WDHS.3 Recommended Locations for Architectural Hardware for Flush Wood Doors.
- U. ICC A117.1 Accessible and Usable Buildings and Facilities.
- V. NFPA 70 National Electrical Code.
- W. UL (DIR) Online Certifications Directory.
- X. UL 437 Standard for Key Locks.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.
- B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.
- C. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; attendance is required by affected installers and the following:
 - Architect.
 - 2. Installer's Architectural Hardware Consultant (AHC).
 - 3. Hardware Installer.
 - 4. Owner's Security Consultant.
- D. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- E. Keying Requirements Meeting:
 - 1. Schedule meeting at project site prior to Contractor occupancy.
 - 2. Attendance Required:
 - a. Contractor.
 - b. Owner.
 - c. Architect.
 - d. Installer's Architectural Hardware Consultant (AHC).
 - e. Hardware Installer.
 - f. Owner's Security Consultant.
 - 3. Agenda:
 - a. Establish keying requirements.
 - b. Verify locksets and locking hardware are functionally correct for project requirements.
 - c. Verify that keying and programming complies with project requirements.
 - 4. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:

- a. Access control requirements.
- b. Key control system requirements.
- 5. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.
- 6. Deliver established keying requirements to manufacturers.

1.05 SUBMITTALS

- A. See Section 013000 Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions, finishes, and dimensions and profiles of individual components.
- C. Shop Drawings Door Hardware Schedule: Submit detailed listing that includes each item of hardware to be installed on each door. Use door numbering scheme as included in Contract Documents.
 - 1. Prepared by or under supervision of Architectural Hardware Consultant (AHC).
 - 2. Comply with DHI (H&S) using door numbers and hardware set numbers as indicated in construction documents.
 - 3. List groups and suffixes in proper sequence.
 - 4. Provide complete description for each door listed.
 - 5. Provide manufacturer name, product names, and catalog numbers; include functions, types, styles, sizes and finishes of each item.
 - 6. Include account of abbreviations and symbols used in schedule.
- D. Shop Drawings Electrified Door Hardware: Submit diagrams for power, signal, and control wiring for electrified door hardware that include details of interface with building safety and security systems. Provide elevations and diagrams for each electrified door opening as follows:
 - 1. Prepared by or under supervision of Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC).
 - 2. Elevations: Submit front and back elevations of each door opening showing electrified devices with connections installed and an operations narrative describing how opening operates from either side at any given time.
 - 3. Diagrams: Submit point-to-point wiring diagram that shows each device in door opening system with related colored wire connections to each device.

E. Samples for Verification:

- 1. Submit minimum size of 2 by 4 inch (51 by 102 mm) for sheet samples, and minimum length of 4 inch (102 mm) for other products.
- 2. Submit one (1) sample of hinge, latchset, lockset, and closer illustrating style, color, and finish
- 3. Return full-size samples to Contractor.
- 4. Submit product description with samples.
- F. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- G. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
 - 1. Submit manufacturer's parts lists and templates.
 - 2. Bitting List: List of combinations as furnished.

H. Keying Schedule:

- Submit three (3) copies of Keying Schedule in compliance with requirements established during Keying Requirements Meeting unless otherwise indicated.
- Manufacturer's qualification statement.
- Installer's qualification statement.
- K. Supplier's qualification statement.
- L. Specimen warranty.
- M. Project Record Documents: Record actual locations of concealed equipment, services, and conduit.
- N. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 016000 - Product Requirements, for additional provisions.
 - Lock Cylinders: three for each master keyed group.
 - Tools: One set of each special wrench or tool applicable for each different or special hardware component, whether supplied by hardware component manufacturer or not.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least three years of documented experience.
- C. Supplier Qualifications: Company with certified Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC) to assist in work of this section.

1.07 <u>DELIVERY, STORAGE, AND HANDLING</u>

A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

1.08 WARRANTY

- A. See Section 017800 Closeout Submittals for additional warranty requirements.
- B. Manufacturer's Warranty: Provide warranty against defects in material and workmanship for period indicated. Complete forms in Owner's name and register with manufacturer.
 - 1. Closers: Five years, minimum.
 - 2. Exit Devices: Three years, minimum.
 - 3. Locksets and Cylinders: Three years, minimum.
 - Other Hardware: Two years, minimum.

19-07-2024 - 13:22 **Door Hardware** 087100 - 4

PART 2 PRODUCTS

2.01 DESIGN AND PERFORMANCE CRITERIA

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
- B. Provide individual items of single type, of same model, and by same manufacturer.
- C. Provide door hardware products that comply with the following requirements:
 - 1. Applicable provisions of federal, state, and local codes.
 - 2. Accessibility: ADA Standards and ICC A117.1.
 - 3. Listed and certified compliant with specified standards by BHMA (CPD).
 - 4. Auxiliary Hardware: BHMA A156.16.
 - 5. Straps and Tee Hinges: BHMA A156.20.
 - 6. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
 - 7. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
 - 8. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.
- D. Electrically Operated and/or Controlled Hardware: Provide necessary power supplies, power transfer hinges, relays, and interfaces as required for proper operation; provide wiring between hardware and control components and to building power connection in compliance with NFPA 70.
 - 1. See Section 281000 for additional access control system requirements.
- E. Lock Function: Provide lock and latch function numbers and descriptions of manufacturer's series. See Door Hardware Schedule.

F. Fasteners:

- 1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
 - a. Aluminum fasteners are not permitted.
 - b. Provide phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.
- 2. Provide machine screws for attachment to reinforced hollow metal and aluminum frames.
 - a. Self-drilling (Tek) type screws are not permitted.
- 3. Provide stainless steel machine screws and lead expansion shields for concrete and masonry substrates.
- 4. Provide wall grip inserts for hollow wall construction.
- 5. Provide spacers or sex bolts with sleeves for through bolting of hollow metal doors and frames.

2.02 HINGES

A. Manufacturers:

- 1. Basis of Design: Hager Companies: www.hagerco.com/#sle..
- 2. McKinney; an Assa Abloy Group company: www.assaabloydss.com/#sle.
- 3. Bommer Industries, Inc: www.bommer.com/#sle.
- 4. Hager Companies: www.hagerco.com/#sle.
- 5. Roton Continous Hinges: https://www.hagerco.com/home.

- 6. Stanley, dormakaba Group: www.stanleyhardwarefordoors.com/#sle.
- 7. Substitutions: See Section 016000 Product Requirements.
- B. Hinges: Comply with BHMA A156.1, Grade 1.
 - 1. Butt Hinges: Comply with BHMA A156.1 and BHMA A156.7 for templated hinges.
 - a. Provide hinge width required to clear surrounding trim.
 - 2. Continuous Hinges: Comply with BHMA A156.26.
 - 3. Provide hinges on every swinging door.
 - 4. Provide following quantity of butt hinges for each door:
 - a. Doors up to 60 inches (1.5 m) High: Two hinges.
 - b. Doors From 60 inches (1.5 m) High up to 90 inches (2.3 m) High: Three hinges.
 - c. Doors 90 inches (2.3 m) High up to 120 inches (3 m) High: Four hinges.
 - d. Doors over 120 inches (3 m) High: One additional hinge per each additional 30 inches (762 mm) in height.

2.03 EXIT DEVICES

A. Manufacturers:

- 1. Basis of Design: Corbin Russwin: https://www.corbinrusswin.com/en/contact-us.
- 2. Sargent; an Assa Abloy Group company: www.assaabloydss.com/#sle.
- 3. Stanley, dormakaba Group: www.stanleyhardwarefordoors.com/#sle.
- 4. Von Duprin, an Allegion brand: www.allegion.com/us/#sle.
- 5. Substitutions: See Section 016000 Product Requirements.

B. Exit Devices: Comply with BHMA A156.3, Grade 1.

- 1. Lever design to match lockset trim.
- 2. Provide cylinder with cylinder dogging or locking trim.
- 3. Provide exit devices properly sized for door width and height.
- 4. Provide strike as recommended by manufacturer for application indicated.
- 5. For electrical options, provide quick connect plug-in pre-wired connectors.

2.04 ELECTRIC STRIKES

A. Manufacturers:

- 1. Adams Rite, HES, or Securitron; an Assa Abloy Group company: www.assaabloydss.com/#sle.
- 2. Pamex, Inc; Electric Strikes: www.pamexinc.com/#sle.
- 3. Substitutions: See Section 016000 Product Requirements.

B. Electric Strikes: Comply with BHMA A156.31, Grade 1.

- 1. Provide UL (DIR) listed burglary-resistant electric strike; style to suit locks.
- 2. Provide non-handed 24 VDC electric strike suitable for door frame material and scheduled lock configuration.
- 3. Provide field selectable Fail Safe/Fail Secure modes.
- 4. Provide transformer and rectifier as necessary for complete installation.

2.05 LOCK CYLINDERS

- A. Lock Cylinders: Provide key access on outside of each lock, unless otherwise indicated.
 - 1. Provide high security mechanical type cylinders, Grade 1, with six-pin core in compliance with BHMA A156.30 or UL 437 at locations indicated.
 - 2. Provide cylinders from same manufacturer as locking device.

- 3. Provide cams and/or tailpieces as required for locking devices.
- 4. Within specific Door Sections, when provisions for lock cylinder are being referenced to this Section, provide specified lock cylinder and keyed to building keying system, unless otherwise indicated.

2.06 MORTISE LOCKS

A. Manufacturers:

- 1. Sargent; an Assa Abloy Group company: www.assaabloydss.com/#sle.
- 2. Schlage, an Allegion brand: www.allegion.com/us/#sle.
- 3. Stanley, dormakaba Group: www.stanleyhardwarefordoors.com/#sle.
- 4. Substitutions: See Section 016000 Product Requirements.
- B. Mortise Locks: Comply with BHMA A156.13, Grade 1, Security, 1000 Series.
 - 1. Latchbolt Throw: 3/4 inch (19 mm), minimum.
 - 2. Deadbolt Throw: 1 inch (25.4 mm), minimum.
 - 3. Backset: 2-3/4 inch (70 mm) unless otherwise indicated.
 - 4. Strikes: Provide manufacturer's standard strike for each latchset or lockset with strike box and curved lip extending to protect frame in compliance with indicated requirements.
 - a. Flat-Lip Strikes: Provide for locks with three piece antifriction latchbolts as recommended by manufacturer.
 - b. Rabbet Front and Strike: Provide on locksets for use with rabbeted meeting rails.
 - c. Finish: To match lock or latch.

2.07 DOOR PULLS AND PUSH PLATES

A. Manufacturers:

- 1. Rockwood; an Assa Abloy Group company: www.assaabloydss.com/#sle.
- 2. Hager Companies: www.hagerco.com/#sle.
- 3. Substitutions: See Section 016000 Product Requirements.
- B. Door Pulls and Push Plates: Comply with BHMA A156.6.
 - 1. Pull Type: Straight, unless otherwise indicated.
 - 2. Push Plate Type: Flat, with square corners, unless otherwise indicated.
 - a. Edges: Beveled, unless otherwise indicated.
 - 3. Material: Aluminum, unless otherwise indicated.
 - 4. On solid doors, provide matching door pull and push plate on opposite faces.

2.08 CLOSERS

- A. Manufacturers; Surface Mounted:
 - 1. Corbin Russwin, Norton, Rixson, Sargent, or Yale; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 2. LCN, an Allegion brand: www.allegion.com/us/#sle.
 - 3. Substitutions: See Section 016000 Product Requirements.
- B. Closers: Comply with BHMA A156.4, Grade 1.
 - 1. Type: Surface mounted to door.
 - 2. Provide door closer on each exterior door.

2.09 OVERHEAD STOPS AND HOLDERS

- A. Manufacturers:
 - 1. Rixson or Sargent; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 2. DORMA USA, Inc; 900 Series: www.dorma.com/#sle.
 - 3. Glynn-Johnson, an Allegion brand: www.allegion.com/us/#sle.
 - 4. Substitutions: See Section 016000 Product Requirements.
- B. Overhead Stops and Holders (Door Checks): Comply with BHMA A156.8, Grade 1.
 - 1. Provide stop for swinging door indicated.

2.10 PROTECTION PLATES

- A. Manufacturers:
 - 1. Rockwood; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 2. Hager Companies: www.hagerco.com/#sle.
 - 3. Ives, an Allegion brand: www.allegion.com/us/#sle.
 - 4. Substitutions: See Section 016000 Product Requirements.
- B. Protection Plates: Comply with BHMA A156.6.
- C. Metal Properties: Aluminum material.
 - 1. Metal, Heavy Duty: Thickness 0.062 inch (1.57 mm), minimum.
- D. Edges: Beveled, on four sides unless otherwise indicated.
- E. Fasteners: Countersunk screw fasteners.

2.11 KICK PLATES

- A. Manufacturers:
 - 1. Ives, an Allegion brand: www.allegion.com/us/#sle.
 - 2. Substitutions: See Section 016000 Product Requirements.
- B. Kick Plates: Provide along bottom edge of push side of every door with closer, except aluminum storefront and glass entry doors, unless otherwise indicated.
 - 1. Size: 8 inch (203 mm) high by 2 inch (51 mm) less door width (LDW) on push side of door.

2.12 MOP PLATES

- A. Mop Plates: Provide along bottom edge of push side of doors to provide protection from cleaning liquids and equipment damage to door surface.
 - 1. Size: 4 inch (102 mm) high by 1-1/2 inch (38 mm) less door width (LDW) on pull side and 2 inch (51 mm) LDW on push side of door.

2.13 WALL STOPS

- A. Manufacturers:
 - 1. Rockwood; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 2. Hager Companies: www.hagerco.com/#sle.

- 3. Substitutions: See Section 016000 Product Requirements.
- B. Wall Stops: Comply with BHMA A156.16, Grade 1 and Resilient Material Retention Test as described in this standard.
 - 1. Provide wall stops to prevent damage to wall surface upon opening door.
 - 2. Type: Bumper, concave, wall stop.
 - 3. Material: Aluminum housing with rubber insert.

2.14 SILENCERS

- A. Manufacturers:
 - 1. Ives, an Allegion brand: www.allegion.com/us/#sle.
 - 2. Rockwood; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 3. Substitutions: See Section 016000 Product Requirements.
- B. Silencers: Provide at equal locations on door frame to mute sound of door's impact upon closing.
 - 1. Single Door: Provide three on strike jamb of frame.
 - 2. Material: Rubber, gray color.

2.15 POWER SUPPLY

- A. Manufacturers:
 - 1. Detex Corporation Series 800 Power Supply: www.detex.com/#sle.
 - 2. Securitron; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 3. Substitutions: See Section 016000 Product Requirements.
- B. Power Supply: Hard wired, with multiple zones providing eight (8) breakers for each output panel with individual control switches and LED's; UL (DIR) Class 2 listed.
 - 1. Power: 24 VAC, 10 Amp; with 120 VAC power supply.
 - 2. Operating Temperature: 32 to 110 degrees F (0 to 43 degrees C).
 - 3. Provide with emergency release terminals that release devices upon activation of fire alarm system.

2.16 FINISHES

- A. Finishes: Provide door hardware of same finish, unless otherwise indicated.
 - 1. Primary Finish: 626; satin chromium plated over nickel, with brass or bronze base material (former US equivalent US26D); BHMA A156.18.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that doors and frames are ready to receive this work; doors and frames are properly installed, and dimensions are as indicated on shop drawings.
- B. Verify that electric power is available to power operated devices and of correct characteristics.

3.02 INSTALLATION

A. Install hardware in accordance with manufacturer's instructions and applicable codes.

- B. Use templates provided by hardware item manufacturer.
- C. Do not install surface mounted items until application of finishes to substrate are fully completed.
- D. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on drawings.
 - 1. For Steel Doors and Frames: Install in compliance with DHI (LOCS) recommendations.
 - 2. For Wood Doors: Install in compliance with DHI WDHS.3 recommendations.
 - 3. Mounting heights in compliance with ADA Standards:
 - a. Locksets: 40-5/16 inch (1024 mm).
 - b. Push Plates/Pull Bars: 42 inch (1067 mm).
 - c. Exit Devices: 40-5/16 inch (1024 mm).

3.03 FIELD QUALITY CONTROL

- A. Perform field inspection and testing under provisions of Section 014000 Quality Requirements.
- B. Provide an Architectural Hardware Consultant (AHC) to inspect installation and certify that hardware and installation has been furnished and installed in accordance with manufacturer's instructions and as specified.

3.04 ADJUSTING

- A. Adjust work under provisions of Section 017000 Execution and Closeout Requirements.
- B. Adjust hardware for smooth operation.
- C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

3.05 CLEANING

- A. Clean finished hardware in accordance with manufacturer's written instructions after final adjustments have been made.
- B. Clean adjacent surfaces soiled by hardware installation.
- C. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.
- D. See Section 017419 Construction Waste Management and Disposal for additional requirements.

3.06 PROTECTION

- A. Protect finished Work under provisions of Section 017000 Execution and Closeout Requirements.
- B. Do not permit adjacent work to damage hardware or finish.

3.07 HARDWARE SCHEDULE

A. Hardware Set #01:

| 2 | Hingle, Ball Bearing | BB1279-4.5x4.5 | Hager |
|---|------------------------------|--|---|
| 1 | Electric Hinge, Ball Bearing | BB1279 - 4.5x4.5 - US26D- RETW-QC (12 wire) | Hager |
| 1 | Mortar Box | 430 | Hager |
| 1 | Electrically Unlocked | ML20906 x SEC-NDA-626- M17-M91-M92-24 volt AC/DC | Corbin Russwin |
| 1 | Stop, Wall | 409 - US26D | Rockwood |
| 3 | Silencer, HM Door Frame | 608-Gray | Rockwood |
| 1 | Power Supply | Refer to Electrical/ Security Drawings | Refer to Electrical/ Security Drawings |

B. Hardware Set #02:

| 3 | Hinge, Ball Bearing | BB1279-4.5x4.5 - US26D | Hager |
|---|----------------------------|------------------------------|----------------|
| 1 | Lockset, Storeroom/ Closet | ML2057-NSA-626-M17 | Corbin Russwin |
| 1 | Closer, Regular Arm | 7500-689 | Norton |
| 1 | Kick Plate | K1050-08"x34"-18 ga US32D | Rockwood |
| 1 | Stop, Wall | 409 - US26D | Rockwood |
| 3 | Silencer, HW Door Frame | 608-Gray | Rockwood |

C. Hardware Set #3:

| 3 | Hingle, Ball Bearing | BB1279-4.5x4.5 - US26D | Hager |
|---|---------------------------|---|----------------|
| 1 | Lockset, Privacy | ML2060-NSA-M34-626- M17 | Corbin Russsin |
| 1 | Mop Plate | K1050-04"x35"-18 ga US32D (Pull Side of Door | Rockwood |
| 1 | Kick Plate | K1050-08"x34"-18ga US32D | Rockwood |
| 1 | Stop, Overhead, Concealed | 1ADJ-336-Stop Only- (33-1/16"-38" Door)-689 | Rixson |
| 3 | Silencer, HW Door Frame | 608-Gray | Rockwood |

D. Hardware Set #4:

| 3 | Silencer, HW Door Frame | 608-Gray | Rockwood |
|---|------------------------------|------------------------------|----------|
| 1 | Kick Plate | K1050-08"x34"-18 ga US32D | Rockwood |
| 1 | Closer, Overhead Regular Arm | 7500-689-SN- (Sex Bolt) | Norton |
| 1 | Pull Plate | BF-107-70C-4"x16"- US32D | Rockwood |
| 1 | Push Plate | 70C-4"x16"-US32D | Rockwood |
| 3 | Hingle, Ball Bearing | BB1279-4.5x4.5-US26D | Hager |

E. Hardware Set #5:

| | TT: 0 0 | 780-226 HD-83" -CLEAR- | _ | |
|---|-------------------------------|-------------------------|----------------------|--|
| 1 | Hinge, Continuous Gear | Concealed Leaf-EPT-RHR | Roton | |
| | Power Transfer | EL-EPT | Securiton | |
| | | ED5200-K157-P12-630- | | |
| | Exit Device, Rim-Key-ELP | RHR-D200-M52 (CD)- | Corbin Russwin | |
| | | M91-M92-M94 | | |
| | Cylinder, Mortise-Dogging | Cylinder-Mortise-626 | | |
| L | Cylinder, Moruse-Dogging | (Dogging) | | |
| | Cylinder, Rim | Cylinder - Rim- 626 | | |
| | Closer, Overhead Parallel Arm | CPS-7500-689 (Max Swing | Norton | |
| L | Closer, Overhead Faraner Aim | is 110 Degrees | NOTION | |
| | Weatherstrip | 8810S, Black | Zero International | |
| | Dayyar Supply | Refer to Electrical/ | Refer to Electrical/ | |
| I | Power Supply | Security Drawings | Security Drawings | |

F. Hardware Set #6:

| 1 | Harness | ElctroLynn | ASSA Abloy |
|---|-------------------------|---------------|------------|
| 1 | Electric Power Transfer | EPT-10 | Von Duprin |
| 1 | Key/Lockset | 60-8271-US26D | ASSA Abloy |

G. Hardware Set #7: Refer to Specification Section 08716

END OF SECTION 087100

SECTION 092116 - GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Performance criteria for gypsum board assemblies.
- B. Acoustic insulation.
- C. Gypsum sheathing.
- D. Cementitious backing board.
- E. Gypsum wallboard.
- F. Joint treatment and accessories.
- G. Bullet resistant sheathing and wallboard.

1.02 RELATED REQUIREMENTS

- A. Section 016116 Volatile Organic Compound (VOC) Limits For Adhesives, Sealants, Paints, And Coatings.
- B. Section 061000 Rough Carpentry: Wood blocking products and execution requirements.
- C. Section 072100 Thermal Insulation: Acoustic insulation.
- D. Section 078400 Firestopping: Top-of-wall assemblies at fire-resistance-rated walls.
- E. Section 079200 Joint Sealants: Sealing acoustical gaps in construction other than gypsum board.
- F. Section 093000 Tiling: Tile backing board.

1.03 REFERENCE STANDARDS

- A. AISI S220 North American Standard for Cold-Formed Steel Nonstructural Framing.
- B. ANSI A108.11 American National Standard Specifications for Interior Installation of Cementitious Backer Units.
- C. ANSI A118.9 American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units.
- D. ASTM C475/C475M Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board.
- E. ASTM C665 Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.

- F. ASTM C754 Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.
- G. ASTM C840 Standard Specification for Application and Finishing of Gypsum Board.
- H. ASTM C954 Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness.
- I. ASTM C1002 Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs.
- J. ASTM C1047 Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base.
- K. ASTM C1325 Standard Specification for Fiber-Mat Reinforced Cementitious Backer Units.
- L. ASTM C1396/C1396M Standard Specification for Gypsum Board.
- M. ASTM C1658/C1658M Standard Specification for Glass Mat Gypsum Panels.
- N. ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.
- O. ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
- P. ASTM E413 Classification for Rating Sound Insulation.
- Q. GA-216 Application and Finishing of Gypsum Panel Products.
- R. ICC (IBC) International Building Code.
- S. UL (FRD) Fire Resistance Directory.
- T. UL 752 Standard for Bullet-Resisting Equipment.
- U. UL 2079 Standard for Tests for Fire Resistance of Building Joint Systems.

1.04 <u>ADMINISTRATIVE REQUIREMENTS</u>

- A. Coordination: Coordinate the installation of gypsum board assemblies with size, location, and installation of service utilities.
- B. Preinstallation Meeting: Conduct a preinstallation meeting one week prior to the start of the work of this section; require attendance by all affected installers.
- C. Sequencing: Install service utilities in an orderly and expeditious manner.

1.05 **SUBMITTALS**

- A. Refer to Section 013300 Submittal Procedures for submittal procedures.
- B. Product Data:
 - 1. Provide data on metal framing, gypsum board, glass mat faced gypsum board, accessories, and joint finishing system.
- C. Shop Drawings: Indicate special details associated with fireproofing and acoustic seals.
- D. Samples: Submit two samples of predecorated gypsum board, 12 by 12 inches (300 by 300 mm) in size, indicating finish color and texture.
- E. Steel Framing Industry Association (SFIA) Certification:
 - 1. Submit documentation that metal studs and connectors used on project meet or exceed requirements of International Building Code.
- F. Test Reports: For stud framing products that do not comply with AISI S220 or ASTM C754, provide independent laboratory reports showing maximum stud heights at required spacings and deflections.
- G. Ballistic Test Reports: Indicate compliance of bullet-resistant sheathing and wallboard assemblies with specified requirements.
- H. Evaluation Service Reports: Show compliance of grid suspension systems with specified requirements.
- I. Installer's Qualification Statement.

1.06 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.
- B. Documents at Project Site: Maintain at the project site a copy of manufacturer's instructions, erection drawings, shop drawings, and reference standard documents containing execution requirements.

1.07 <u>DELIVERY, STORAGE, AND HANDLING</u>

- A. See Section 017419 Construction Waste Management and Disposal for packaging waste requirements.
- B. Store gypsum products and accessories indoors and keep above freezing. Elevate boards above floor, on nonwicking supports, in accordance with manufacturer's recommendations.
- C. Store metal products to prevent corrosion, under cover and above grade.

PART 2 PRODUCTS

2.01 GYPSUM BOARD ASSEMBLIES

- A. Provide completed assemblies complying with ASTM C840 and GA-216.
 - 1. Refer to PART 3 for finishing requirements.
- B. Interior Partitions, Indicated as Acoustic: Provide completed assemblies with the following characteristics:
 - 1. Acoustic Attenuation: STC as indicated calculated in accordance with ASTM E413, based on tests conducted in accordance with ASTM E90.
- C. Grid Suspension Systems: Provide grid suspension systems in accordance with ASTM C840 and GA-216.
 - 1. Match existing construction.
- D. Fire-Resistance-Rated Assemblies: Provide completed assemblies complying with applicable code.
 - 1. ICC IBC Item Numbers: Comply with applicable requirements of ICC IBC for the particular assembly.
 - 2. UL Assembly Numbers: Provide construction equivalent to that listed for the particular assembly in the current UL (FRD).

2.02 BOARD MATERIALS

- A. Manufacturers:
 - 1. American Gypsum Company: www.americangypsum.com/#sle.
 - 2. CertainTeed Corporation: www.certainteed.com/#sle.
 - 3. Georgia-Pacific Gypsum: www.gpgypsum.com/#sle.
 - 4. Gold Bond Building Products, LLC provided by National Gypsum Company: www.goldbondbuilding.com/#sle.
 - 5. USG Corporation: www.usg.com/#sle.
 - 6. Substitutions: See Section 016000 Product Requirements.
- B. Gypsum Wallboard, General: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
 - 1. Application: Use for vertical surfaces, unless otherwise indicated.
 - 2. Glass mat faced gypsum panels, as defined in ASTM C1658/C1658M, suitable for paint finish, of the same core type and thickness may be substituted for paper-faced board.
 - 3. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
 - a. Mold-resistant board is required whenever board is being installed before the building is enclosed and conditioned.

b.

- 4. At Assemblies Indicated with Fire-Resistance Rating: Use type required by indicated tested assembly; if no tested assembly is indicated, use Type X board, UL or WH listed.
- 5. Thickness:
 - a. Vertical Surfaces: 5/8 inch (16 mm).
 - b. Ceilings: 1/2 inch (13 mm).
 - c. Multi-Layer Assemblies: Thicknesses as indicated on drawings.
- 6. Size: Provide maximum lengths and widths available that will minimize joints in each area and that correspond with support system indicated.

- 7. Use moisture resistant Glass Mat Faced products when building is unenclosed.
- C. Paper-Faced Products (**GB-1x**): Type X, fire rated gypsum panels for interior wall partitions. Provide one of the following, or an approved equivalent.
 - 1. American Gypsum Company; FireBloc Type X Gypsum Wallboard: www.americangypsum.com/#sle.
 - 2. CertainTeed Corporation; Type X Drywall: www.certainteed.com/#sle.
 - 3. Georgia-Pacific Gypsum; ToughRock Fireguard X: www.gpgypsum.com/#sle.
 - 4. Gold Bond Building Products, LLC provided by National Gypsum Company; Gold Bond Fire-Shield Gypsum Board: www.goldbondbuilding.com/#sle.
 - 5. USG Corporation; Sheetrock Brand Firecode X Panels 5/8 in. (15.9 mm): www.usg.com/#sle.
 - 6. Substitutions: See Section 016000 Product Requirements.
- D. Mold Resistant Paper Faced Products for Walls (**GB-4**): Interior, 5/8-inch thickness, non-rated partitions to be painted or have perforated wall coverings applied:
 - 1. Gold Bond Building Products, LLC provided by National Gypsum Company; Gold Bond XP Gypsum Board: www.goldbondbuilding.com/#sle.
 - 2. CertainTeed Corporation; M2Tech Moisture & Mold Resistant Drywall: www.certainteed.com/#sle.
 - 3. USG Corporation; Sheetrock Brand Mold Tough Panels Firecode X: www.usg.com/#sle.
 - 4. Mold Resistant Paper Faced Products (**GB-4x**): Moisture and mold resistant, fire rated interior wall board panels. Provide one of the following, or an approved equivalent.
 - a. American Gypsum Company; M-Bloc Type X: www.americangypsum.com/#sle.
 - b. CertainTeed Corporation; M2Tech 5/8-inch, Type X Moisture & Mold Resistant Drywall: www.certainteed.com/#sle.
 - c. Georgia-Pacific Gypsum; ToughRock Fireguard X Mold-Guard: www.gpgypsum.com/#sle.
 - d. Gold Bond Building Products, LLC provided by National Gypsum Company; Gold Bond XP Extreme Fire-Shield Gypsum Board: www.goldbondbuilding.com/#sle.
 - e. USG Corporation; Sheetrock Brand Mold Tough Firecode SCX Panels 5/8 in. (15.9 mm): www.usg.com/#sle.
 - f. Substitutions: See Section 016000 Product Requirements.
- E. Paper Faced Products for Ceilings (**GB-5**): Interior, sag-resistant gypsum ceiling panels as defined in ASTM C1396/C1396M, sizes to minimize joints in place. Provide one of the following, or an approved equivalent.
 - 1. Application: Ceilings, unless otherwise indicated.
 - 2. Thickness: 1/2 inch (13 mm).
 - 3. Edges: Tapered.
 - a. CertainTeed Corporation; 1/2-inch, Interior Ceiling Drywall: www.certainteed.com/#sle.
 - b. Gold Bond Building Products, LLC provided by National Gypsum Company; 1/2-inch, Gold Bond High Strength Ceiling Board: www.goldbondbuilding.com/#sle.
 - c. USG Corporation; 1/2-inch, Sheetrock Brand Sag Resistant Interior Gypsum Ceiling Board: www.usg.com/#sle.
 - d. Substitutions: See Section 016000 Product Requirements.
 - 4. Glass Mat Faced Products: (**GB-5x**) Provide one of the following, or an approved equivalent.
 - a. CertainTeed Corporation; 5/8-inch, GlasRoc Interior Type X: www.certainteed.com/#sle.

- b. Georgia-Pacific Gypsum; 5/8-inch, DensArmor Plus Fireguard C: www.gpgypsum.com/#sle.
- c. Gold Bond Building Products, LLC provided by National Gypsum Company; 5/8-inch, Gold Bond eXP Interior Extreme Fire-Shield Gypsum Panel: www.goldbondbuilding.com/#sle.
- d. USG Corporation; Sheetrock Brand Glass-Mat Panels Mold Tough Regular 5/8-inch: www.usg.com/#sle.
- e. Substitutions: See Section 016000 Product Requirements.
- F. Backing Board For Wet Areas: One of the following products:
 - 1. Application: Surfaces behind tile in wet areas including tub and shower surrounds and shower ceilings.
 - 2. Cement-Based Board (**GB-8**): Non-gypsum-based; aggregated Portland cement panels with glass fiber mesh embedded in front and back surfaces complying with ANSI A118.9 or ASTM C1325.
 - a. Application: Surfaces behind tile in wet areas including tub and shower surrounds and shower ceilings, and where indicated.
 - b. Thickness: 5/8 inch (16 mm) or as indicated.
 - c. Products: Provide one of the following, or an approved equivalent.
 - 1) PermaBASE Building Products, LLC provided by National Gypsum Company; PermaBase Cement Board: www.goldbondbuilding.com/#sle.
 - 2) USG Corporation; Durock Brand Cement Board Regular 5/8 in. (15.9 mm): www.usg.com/#sle.
 - 3) Substitutions: See Section 016000 Product Requirements.
- G. Backing Board For Non-Wet Areas (**GB-7**): Water-resistant gypsum backing board as defined in ASTM C1396/C1396M; sizes to minimum joints in place; ends square cut.
 - 1. Application: Vertical surfaces behind thinset tile, except in wet areas.
 - 2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
 - 3. At Assemblies Indicated with Fire-Resistance Rating: Use type required by indicated tested assembly; if no tested assembly is indicated, use Type X board, UL or WH listed.
 - 4. Type: Regular and Type X, in locations indicated.
 - 5. Type X Thickness: 5/8 inch (16 mm).
 - 6. Regular Board Thickness: 5/8 inch (16 mm).
 - 7. Edges: Tapered.
 - 8. Products: Provide one of the following, or an approved equivalent.
 - a. American Gypsum Company; M-Bloc Type X: www.americangypsum.com/#sle.
 - b. Georgia-Pacific Gypsum; ToughRock Mold-Guard Gypsum Board: www.gpgypsum.com/#sle.
 - c. Gold Bond Building Products, LLC provided by National Gypsum Company; Gold Bond eXP Tile Backer Board: www.goldbondbuilding.com/#sle.
 - d. USG Corporation; Fiberock Aqua-Tough AR Interior Panels: www.usg.com/#sle.
 - e. Substitutions: See Section 016000 Product Requirements.
- H. Ceiling Board (**GB-5**): Special sag resistant gypsum ceiling board as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
 - 1. Application: Ceilings, unless otherwise indicated.
 - 2. Thickness: 1/2 inch (13 mm).
 - 3. Edges: Tapered.
 - 4. Products: Provide one of the following, or an approved equivalent.
 - a. CertainTeed Corporation; Interior Ceiling Drywall: www.certainteed.com/#sle.

- b. Gold Bond Building Products, LLC provided by National Gypsum Company; Gold Bond High Strength LITE Gypsum Board: www.goldbondbuilding.com/#sle.
- c. USG Corporation; Sheetrock Brand UltraLight Panels 1/2 in. (12.7 mm): www.usg.com/#sle.
- d. Substitutions: See Section 016000 Product Requirements.
- I. Bullet Resistant Sheathing and Wallboard: Woven roving, multi-ply, ballistic grade fiberglass cloth with thermoset polyester resin; comply with UL 752 Level 1.
 - 1. Thickness: 7/16 inch (11 mm).
 - 2. Products:
 - a. <u>ArmorCore by Waco Composites; Bullet Resistant Fiberglass Panels:</u> <u>www.armorcore.com/#sle.</u>
 - b. O.F. 400 by Armortex: https://www.armortex.com/our-products/fiberglass-panels/#.
 - c. Substitutions: See Section 016000 Product Requirements.
- J. Shaftwall and Coreboard (**GB-15**): Type X; 1 inch (25 mm) thick by 24 inches (610 mm) wide, beveled long edges, ends square cut.
 - 1. Paper-Faced Type: Gypsum shaftliner board or gypsum coreboard as defined ASTM C1396/C1396M; water-resistant faces.
 - 2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
 - 3. Paper-Faced Products: Provide one of the following, or an approved equivalent.
 - a. American Gypsum Company; M-Bloc Shaft Liner: www.americangypsum.com/#sle.
 - b. CertainTeed Corporation; M2Tech Type X Shaftliner: www.certainteed.com/#sle.
 - c. Georgia-Pacific Gypsum; ToughRock Shaftliner: www.gpgypsum.com/#sle.
 - d. Gold Bond Building Products, LLC provided by National Gypsum Company; Gold Bond Shaftliner XP: www.goldbondbuilding.com/#sle.
 - e. USG Corporation; Sheetrock Brand Mold Tough Gypsum Liner Panels 1 in. (25.4 mm) SLX: www.usg.com/#sle.
 - f. Substitutions: See Section 016000 Product Requirements.

2.03 GYPSUM BOARD ACCESSORIES

- A. Acoustic Insulation (IN-6a): ASTM C665; preformed mineral-fiber, friction fit type, unfaced; thickness as required for STC.
- B. Acoustic Sealant: Acrylic emulsion latex or water-based elastomeric sealant; do not use solvent-based non-curing butyl sealant.
 - 1. Products:
 - a. Franklin International, Inc; Titebond Acoustical Smoke & Sound Sealant: www.titebond.com/#sle.
 - b. Liquid Nails, a brand of PPG Architectural Coatings; ____: www.liquidnails.com/#sle.
 - c. Specified Technologies Inc; Smoke N Sound Acoustical Sealant: www.stifirestop.com/#sle.
 - d. Substitutions: See Section 016000 Product Requirements.
- C. Beads, Joint Accessories, and Other Trim: ASTM C1047, rigid plastic, galvanized steel, or rolled zinc, unless noted otherwise.
 - 1. Corner Beads: Low profile, for 90 degree outside corners.
 - a. Products:
 - 1) CertainTeed Corporation; No-Coat Drywall Corner: www.certainteed.com/#sle.

- 2) ClarkDietrich; Strait-Flex OS-300: www.clarkdietrich.com/#sle.
- 3) Phillips Manufacturing Co; Everlast Corner Bead: www.phillipsmfg.com/#sle.
- 4) Trim-Tex, Inc; Corner Bead: www.trim-tex.com/#sle.
- 5) Substitutions: See Section 016000 Product Requirements.
- 2. L-Trim with Tear-Away Strip: Sized to fit 5/8 inch (16 mm) thick gypsum wallboard.
 - a. Products: Provided the following, or an approved equivalent.
 - 1) Phillips Manufacturing Co; gripSTIK L-Tear: www.phillipsmfg.com/#sle.
 - 2) Substitutions: See Section 016000 Product Requirements.
- 3. Expansion Joints:
 - a. Fire-Resistance Rated: 1 hour when joint system tested in accordance with UL 2079.
 - b. Type: V-shaped PVC with tear away fins.
 - c. Type: Off-angle inside corner expansion.
 - d. Products: Provide one of the following, or an approved equivalent.
 - 1) Phillips Manufacturing Co; 093 Expansion Control Joint: www.phillipsmfg.com/#sle.
 - 2) Trim-Tex, Inc; Fire Rated 093V Expansion Bead: www.trim-tex.com/#sle.
 - 3) Substitutions: See Section 016000 Product Requirements.
- D. Moisture Guard Trim (For Wet Areas): ASTM C1047, rigid plastic, 48 inch (1219.2 mm) length, applied to bottom edge of gypsum board.
 - 1. Height: 1/2 inch (13 mm).
 - 2. Depth: 5/8 inch (15.9 mm).
 - 3. Products: Provide the following, or an approved equivalent.
 - a. Waterguard USA; Waterguard: www.waterguard-usa.com/#sle.
 - b. Substitutions: See Section 016000 Product Requirements.
- E. Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
 - 1. Fiberglass Tape: 2 inch (50 mm) wide, coated glass fiber tape for joints and corners, except as otherwise indicated.
 - 2. Paper Tape: 2 inch (50 mm) wide, creased paper tape for joints and corners, except as otherwise indicated.
 - 3. Joint Compound: Drying type, vinyl-based, ready-mixed.
 - 4. Joint Compound: Setting type, field-mixed.
- F. High Build Drywall Surfacer: Vinyl acrylic latex-based coating for spray application, designed to take the place of skim coating and separate paint primer in achieving Level 5 finish.
 - 1. Products: Provide one of the following, or an approved equivalent.
 - a. CertainTeed Corporation; Level V Wall and Ceiling Primer/Surfacer with M2Tech: www.certainteed.com/#sle.
 - b. USG Corporation; USG Sheetrock Brand Tuff-Hide Primer-Surfacer: www.usg.com/#sle.
- G. Concrete Cover Coat Compound: Ready-mix compound for filling and smoothing interior, above-grade, monolithic concrete ceilings and columns.
 - 1. Products: Provide the following, or an approved equivalent.
 - a. USG Corporation; Sheetrock Brand Cover Coat Compound: www.usg.com/#sle.
 - b. Substitutions: See Section 016000 Product Requirements.
- H. Screws for Fastening of Gypsum Panel Products to Cold-Formed Steel Studs Less than 0.033 inches (0.84 mm) in Thickness and Wood Members: ASTM C1002; self-piercing tapping

screws, corrosion-resistant.

I. Screws for Fastening of Gypsum Panel Products to Steel Members from 0.033 to 0.112 inch (0.84 to 2.84 mm) in Thickness: ASTM C954; steel drill screws, corrosion-resistant.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that project conditions are appropriate for work of this section to commence.

3.02 SHAFT WALL INSTALLATION

- A. Shaft Wall Framing: Install in accordance with manufacturer's installation instructions and GA-600 requirements.
- B. Shaft Wall Liner: Cut panels to accurate dimensions and install sequentially between special friction studs.
 - 1. On walls over sixteen feet high, screw-attach studs to runners top and bottom.
 - 2. Seal perimeter of shaft wall and penetrations with acoustical sealant.

3.03 ACOUSTIC ACCESSORIES INSTALLATION

- A. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and tight to items passing through partitions.
- B. Acoustic Sealant: Install in accordance with manufacturer's instructions.

3.04 INSTALLATION

- A. Comply with ASTM C840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.
- B. Fire-Resistance-Rated Construction: Install wallboard in strict compliance with requirements of assembly listing.
- C. Exposed Gypsum Board: Seal joints, cut edges, and holes with water-resistant sealant.
- D. Cementitious Backing Board: Install over steel framing members where indicated, in accordance with ANSI A108.11 and manufacturer's instructions.
- E. Installation on Metal Framing: Use screws for attachment of wallboard.
- F. Bullet Resistant Sheathing and Wallboard:
 - 1. <u>Install bullet-resistant sheathing according to manufacturer's written recommendations and with manufacturer-approved fasteners.</u>
 - 2. <u>Cover all joints between boards with a 4-inch (100 mm) strip of the same thickness</u> material as the boards, centered on the joint.

3.05 INSTALLATION OF TRIM AND ACCESSORIES

A. Control Joints: Place control joints consistent with lines of building spaces and as follows:

- 1. Not more than 30 feet (10 meters) apart on walls and ceilings over 50 feet (16 meters) long.
- B. Corner Beads: Install at external corners, using longest practical lengths.
- C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials.
- D. Moisture Guard Trim: Install on bottom edge of gypsum board according to manufacturer's instructions and in locations indicated on drawings.

3.06 JOINT TREATMENT

- A. Glass Mat Faced Gypsum Board and Exterior Glass Mat Faced Sheathing: Use fiberglass joint tape, embed and finish with setting type joint compound.
- B. Paper Faced Gypsum Board: Use paper joint tape, embed with drying type joint compound and finish with drying type joint compound.
- C. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
 - 1. Level 5: Walls and ceilings to receive semi-gloss or gloss paint finish and other areas specifically indicated.
 - 2. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
 - 3. Level 2: In utility areas, behind cabinetry, and on backing board to receive tile finish.
 - 4. Level 1: Fire-resistance-rated wall areas above finished ceilings, whether or not accessible in the completed construction.
- D. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
 - 1. Feather coats of joint compound so that camber is maximum 1/32 inch (0.8 mm).
- E. Where Level 5 finish is indicated, spray apply high build drywall surfacer over entire surface after joints have been properly treated; achieve a flat and tool mark-free finish.
- F. Fill and finish joints and corners of cementitious backing board as recommended by manufacturer.

3.07 TOLERANCES

A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet (3 mm in 3 m) in any direction.

3.08 CLEANING

A. See Section 017000 - Execution and Closeout Requirements for additional requirements.

3.09 PROTECTION

A. Protect installed gypsum board assemblies from subsequent construction operations.

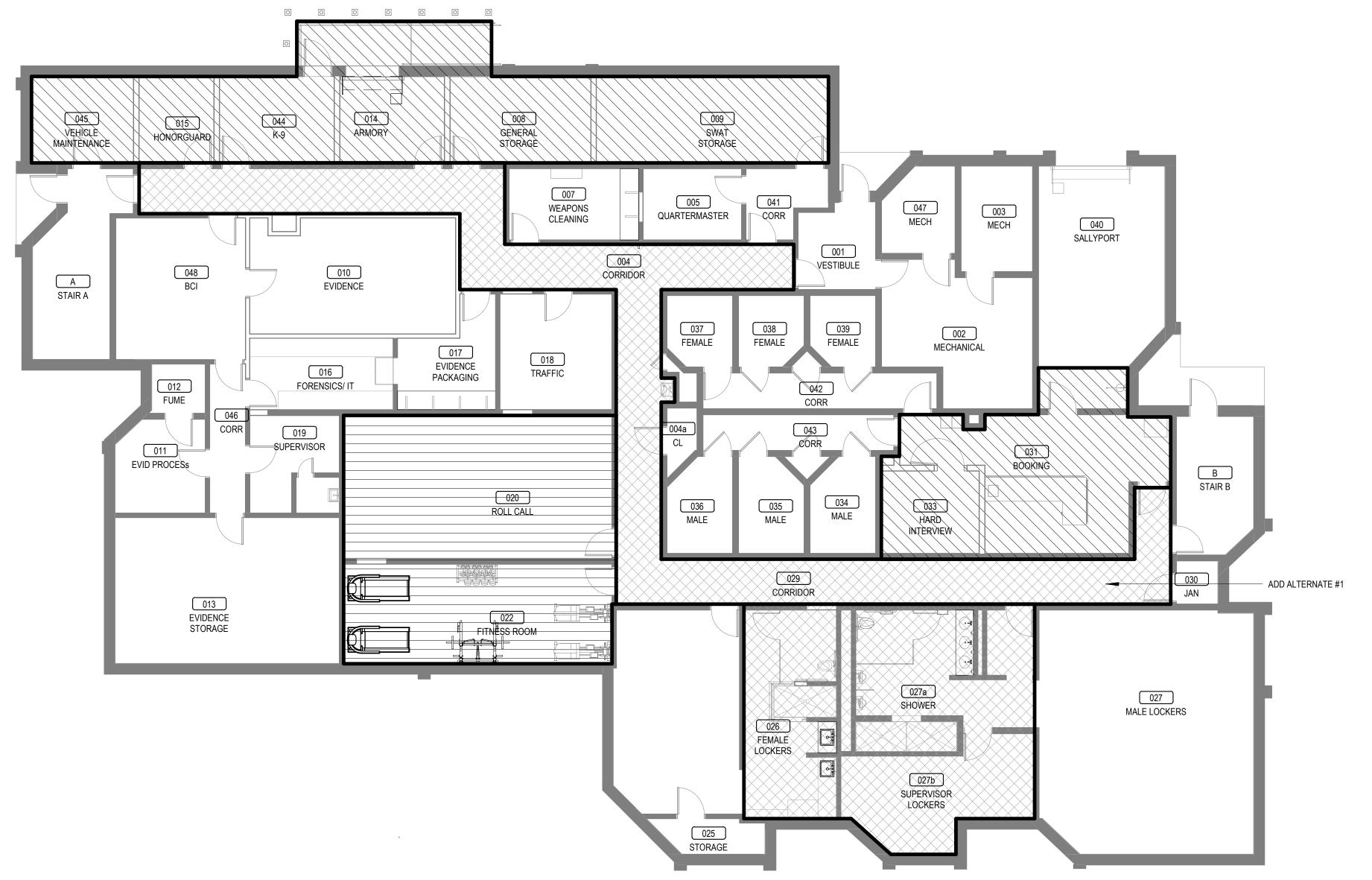
END OF SECTION 092116



GENERAL NOTE: PROJECT TO BE COMPLETED IN PHASES TO ENSURE CONTINUAL OPERATION OF

POLICE STATION DURING RENOVATION. FINAL COORDINATION WITH POLICE DEPARTMENT.

PHASING LEGEND



CODE INFORMATION

| DATE OF ORIGINAL CONSTRUCTION | |
|--|------------------------|
| 1. GROUP CLASSIFICATION (CHAPTER 3) | |
| PRIMARY | BUSINESS STORAGE (S-1) |
| ACCESSORY | INSTITUTIONAL (I-3) |
| 2. CONSTRUCTION TYPE (CHAPTER 6) | |
| ACTUAL TYPE PROVIDED EXISTING | IIB IIB UNCHANGED |
| 3. BUILDING HEIGHT (CHAPTER 5) | |
| ALLOWABLE HEIGHT (STORY/FEET) ACTUAL HEIGHT (STORY/FEET) STORIES ABOVE GRADE | 2 STORIES/ 24 FEET |
| 4. BUILDING AREA (CHAPTER 5) | |
| LOWER LEVEL | |
| EXISTING CONSTRUCTION | |
| NEW CONSTRUCTION | |
| | |

8. FIRE-RESISTANCE RATED REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601)

| | TYPE X |
|---|-----------|
| 1. STRUCTURAL FRAME: INCLUDING COLUMNS, GIRDERS, TRUSSES | 0 HR (S) |
| 2. BEARING WALLS | |
| (EXTERIOR) | 0 HR (S) |
| (INTERIOR) | 0 HR (S) |
| 3. NONBEARING WALLS AND PARTITIONS (EXTERIOR) | TABLE 602 |
| 4. NONBEARING WALLS AND PARTITIONS (INTERIOR) | 0 HR (S) |
| 5. FLOOR CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS) | 0 HR (S) |
| 6. ROOF CONSTRUCTION (INCLUDING SUPPORTING BEAMS AND JOISTS) | 0 HR (S) |
| | |

9. OCCUPANCY LOAD

MAIN FLOOR

TOTAL FLOOR

TOTAL BUILDING

EXISTING CONSTRUCTION

NEW CONSTRUCTION

| OCCUPANT LOAD BASEMENT | |
|------------------------------|--|
| OCCUPANT LOAD FIRST FLOOR | |
| OCCUPANT LOAD TOTAL FACILITY | |
| EXIT CAPACITY BASEMENT | |
| EXIT CAPACITY FIRST FLOOR | |
| EXIT CAPACITY TOTAL FACILITY | |
| 11. ACCESSIBLE BUILDING | |
| | |

12. MINIMUM PLUMBING FIXTURE COUNT (IPC CHAPTER 4)

(FOR EACH TYPE OF OCCUPANCY IN EACH SEPARATE BUILDING OR ENTIRE FACILITY)

NON DESIGNATED ______ ____

| TOTAL FACILITY: 306 TOTAL OCCUPANTS | REQUIRED F | PROVIDED |
|-------------------------------------|------------|----------|
| W/C FEMALE | 5 | 8 |
| W/C MALE | 5 - | 6 |
| LAVATORIES_ | 4 - | 13 |
| DRINKING FOUNTAINS | 3 - | 3 |
| SERVICE SINKS | <u> </u> | 1 |
| | | |

13. SPRINKLER PROTECTION

| ENTIRE FACILITY | |
|-----------------|---|
| _ | • |

14. INTERIOR FINISHES

INTERIOR WALL AND CEILING FINISHES SHALL BE CLASS A OR B IN CORRIDORS. INTERIOR WALL AND CEILING FINISHES IN ENCLOSED ROOMS SHALL BE A, B, OR C. INTERIOR FINISHES IN STAIRS, CORRIDORS, LOBBIES, AND EXITS SHALL BE CLASS A OR B. FLOOR COVERINGS WITHIN STAIRS, CORRIDORS OR EXITS SHALL BE CLASS I OR II.

15. CODES TO WHICH THIS PROJECT WAS DESIGNED

16. THRESHOLD BUILDING CONDITIONS

| | DATED |
|--|-------|
| RHODE ISLAND STATE BUILDING CODE (RISBC) | 2021 |
| BASED ON INTERNATIONAL BUILDING CODE | 2018 |
| RHODE ISLAND PLUMBING CODE | 2021 |
| BASED ON INTERNATIONAL PLUMBING CODE | 2018 |
| RHODE ISLAND MECHANICAL CODE | 2021 |
| BASED ON INTERNATIONAL MECHANICAL CODE | 2018 |
| RHODE ISLAND ELECTRICAL CODE | 2021 |
| BASED ON INTERNATIONAL ELECTRICAL CODE | 2018 |
| RHODE ISLAND FIRE CODE | |
| BASED ON NFPA 1, THE NATIONAL FIRE CODE | 2018 |
| RHODE ISLAND LIFE SAFETY CODE | |
| BASED ON NFPA 101, THE LIFE SAFETY CODE | 2018 |
| RHODE ISLAND FIRE ALARM CODE | |
| BASED ON NFPA 72, THE NATIONAL FIRE ALARM & SIGNALING CODE | 2018 |
| ADA STANDARDS FOR ACCESIBLE DESIGN | 2010 |
| | |
| | |
| | |

NFORMATION

9,348 SQ. FT.

9,348 SQ. FT.

18,696 SQ. FT.

0 SQ. FT.

EAST PROVIDENCE POLICE DEPT RENOVATIONS

750 WATERMAN AVE EAST PROVIDENCE, RI 02914

JCJARCHITECTURE

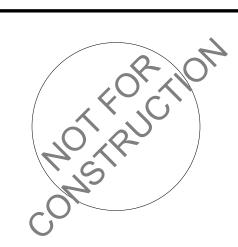
120 HUYSHOPE AVENUE SUITE 400 HARTFORD, CT 06106 860.247.9226

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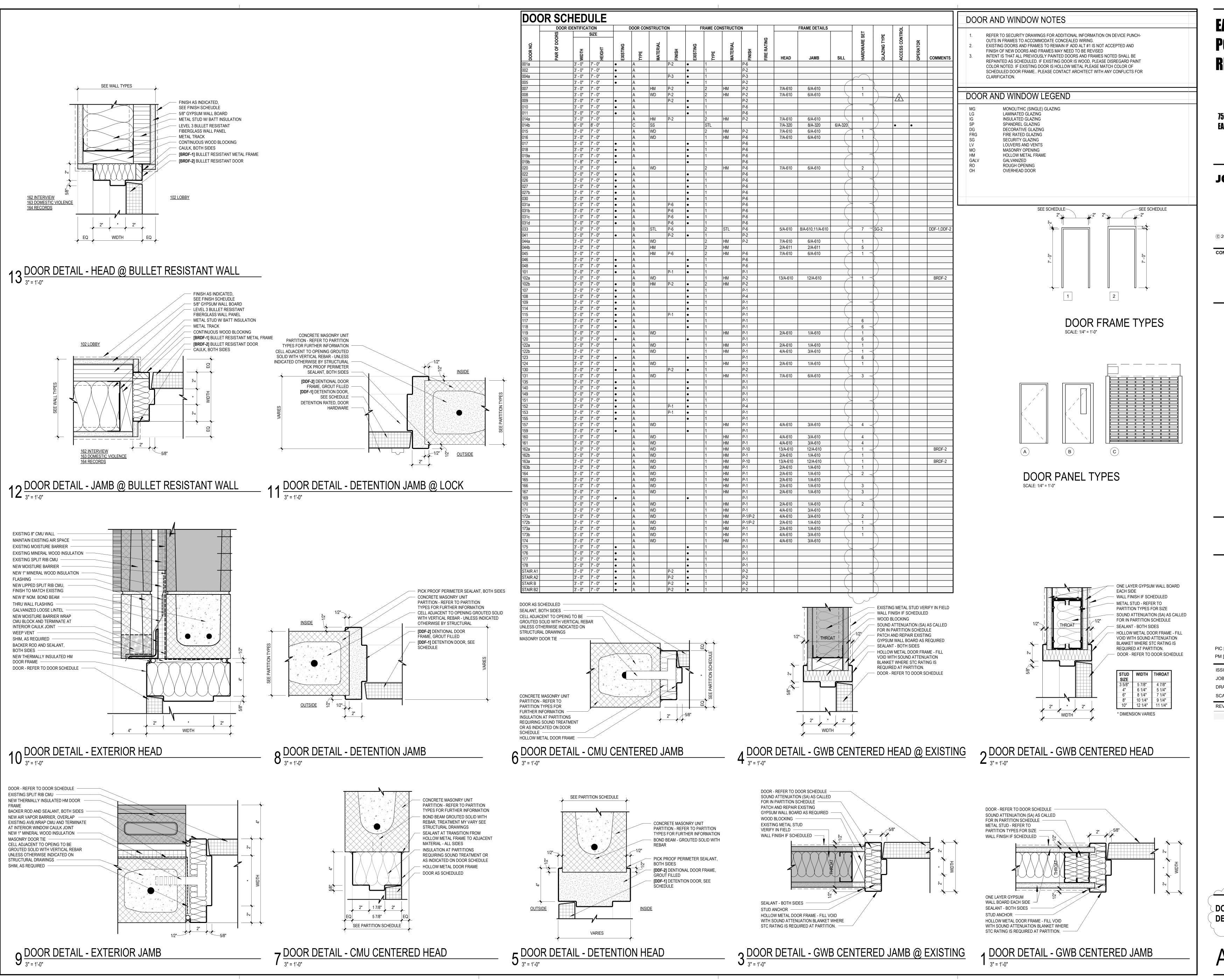
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CODE INFORMATION AND PHASING PLANS

A-020

1 LOWER FLOOR PHASING PLAN

1/8" = 1'-0"



EAST PROVIDENCE **POLICE DEPT RENOVATIONS**

750 WATERMAN AVE EAST PROVIDENCE. RI 02914

JCJARCHITECTURE 120 HUYSHOPE AVENUE SUITE 400

HARTFORD, CT 06106

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860.247.9226

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ISSUE ISSUE DATE

DRAWN Author

SCALE As indicated

REVISIONS 7/17/2024 Addendum 2

DOOR SCHEDULE AND **DETAILS**

A-610

| Number | Name | SIGN Sign Ty | NAGE SCHEDULE | nes Sign Qu | antity Sign Verbiage | Comments |
|--|---|-----------------|-------------------|-------------|---|------------------|
| 001 | VESTIBULE | 8 | 001a, 011b | 2 | Exit | Comments |
| 002 003 | MECHANICAL MECH | 3 | 002 | 1 | | in Vestibule 001 |
| 004 004a 005 | CORRIDOR CL QUARTERMASTER | 3 | 005 | 1 | Storage | |
| 005 007 008 | WEAPONS CLEANING GENERAL STORAGE | 3 | 005 | 1 | Weapons Cleaning Storage | |
| 009 010 | SWAT STORAGE EVIDENCE | 3 | 009 | 1 | SWAT Storage Evidence | |
| 010 | EVIDENCE | 4 | 010 | 1 | No Unauthorized Access | |
| 011 | EVID PROCESs FUME | 3 | 011 | 1 | Dusting Fuming Area Fume Hood | |
| 012 013 013 | EVIDENCE STORAGE EVIDENCE STORAGE | 3 | 012 013 013 | 1 | Evidence Storage No Unauthorized | |
| 014 | ARMORY | 3 | 014 | 1 | Access Storage | |
|)14 | ARMORY | 4 | 014 | 1 | No Unauthorized Access | |
| 015 | HONORGUARD FORENSICS/ IT | 3 | 015 016 | 1 | Storage Forensics IT | |
|)17)18 | EVIDENCE PACKAGING TRAFFIC | 3 | 017 | 1 | Evidence Packaging Traffic | |
|)19)19A | SUPERVISOR SINK | 1 - | 019 | 1 | Supervisor | |
|)20 | ROLL CALL FITNESS ROOM | 3 | 020 022 | 1 | Roll Call Fitness | |
|)25)26 | STORAGE FEMALE LOCKERS | - 6.3 | 026 | 1 | Female Lockers | |
|)26 | FEMALE LOCKERS | 4 | 026 | 1 | No Unauthorized Access | |
|)27)27 | MALE LOCKERS MALE LOCKERS | 6.2 | 027 027 | 1 | Male Lockers No Unauthorized | |
|)27a)27b | SHOWER SUPERVISOR LOCKERS | - 6.2 | 027b | 1 | Access Supervisor Lockers | |
|)27b)29)30 | CORRIDOR JAN | 6.2 | 030 | 1 | Janitor | |
|)31)31 | BOOKING BOOKING | 3 4 | 030 031 031 | 1 1 | Detention No Unauthorized | |
|)33 | HARD INTERVIEW | - | | | Access | |
|)34)35 | MALE MALE | - | | | | |
|)36 | MALE FEMALE | - | | | | |
| 038 | FEMALE SALLYPORT | - | | | | |
|)40)41 | SALLYPORT CORR | 3 | 041 | 1 | Storage | |
|)42)43)44 | CORR CORR K-9 | 3 | | | K-9 Facility | |
|)44 | K-9 | 4 | | | No Unauthorized Access | |
| 45 | VEHICLE MAINTENANCE | 3 | 045 | 1 | Vehicle Maintenance | |
| 146 | CORR | 4 | 046 | 1 | No Unauthorized Access | |
| 46 46 | CORR | 3 | 046 | 1 | Evidence and Property Rooms Photo Imaging | |
|)46 | CORR | 3 | 046 | 1 | Laboratory Forensic & | |
| · | | | 0.45 | | Computer Laboratory | |
|)47)48 | MECH BCI | 3 | 047 048 | 1 | Mechanical Bureau of Criminal Investigation | |
| 01 | VESTIBULE LOBBY | 4 | 102a | 1 | No Unauthorized | |
| 07 | REPORT WRITING | 3 | 107 | 1 | Access Report Writing | |
| 08 | PAYROLL SAFE | 9 - | 108 | 1 | Payroll | |
| 15 | PLANNING AND TRAINING CL | 1 | 114 | 1 | Planning and Training | |
| 16 17 | CORRIDOR ADMIN. LIEUTENANT | 1 | 117 | 1 | Administration | |
| 18 | CAPTAINS OFFICE | 1 | 118 | 1 | Lieutenant Captain's Office | |
| 19 20 | CAPTAINS OFFICE CAPTAINS OFFICE | 1 | 119 120 | 1 | Captain's Office Captain's Office | |
| 22 22A | DETECTIVE CAPT OFFICE CL | 1 | 122 | 2 | Captain's Office | |
| 23 24 | SERGEANTS OFFICE DETECTIVE LT OFFICE | 1 | 123 124 | 1 | Sergeant's Office Lieutenant's Office | |
| 30 | JUV HOLDING DECOMP | 3 | 130 131 | 1 | Holding Decompression Room | |
| 35 40 | CORRIDOR OFFICE | 1 | 140b | 1 | Office Deputy Chief | |
| 41 | CL | | UUTUU | | of Police | |
| 42 43 | STG CONFERENCE | 2 | 143 | 1 | Conference | |
| 45 48 | OFFICE CL | 1 | 145 | 1 | Chief Of Police | |
| 49 51 | CLOSET PROSECUTION | 3 | 149 151 | 1 | Storage Prosecutor's Office | |
| 52 53 | OFFICE CL | 1 | 152 | 1 | X Office | |
| 54 55 | IT WORKROOM | 3 | 155 | 1 | Information Technology | |
| 56 57 | STG STAFF BREAK ROOM | 3 | 157 | 1 | Staff Break Room | |
| 59 60 | ELECTRICAL MENS | 3 5.3 | 159 160 | 1 | Electrical Men | |
| 61 62 | WOMENS INTERVIEW | 5.2 | 161 162 | 1 | Women Interview B | |
| 63 64 | DOMESTIC VIOLENCE RECORDS | 2 3 | 163 164 | 1 | Interview A Records | |
| 65 66 | OIC OFFICE TOILET | 1 5.1 | 165 166 | 1 | OIC Office Restroom | |
| 67 | TOILET DETECTIVES | 5.1 | 167 169, 171 | 1 2 | Restroom Detectives | |
| | OFFICE DETECTIVES BREAKOUT | - | 170 | 1 | x Office | |
| 70 71 | | 3 | 172a, 172b | 2 | Narcotics Interview | |
| 70 71 72 73 | NARCOTICS HARD INTERVIEW | 2 | 173a, 173b | | | |
| 70 171 172 173 174 | NARCOTICS HARD INTERVIEW STORAGE CORRIDOR | 3 | 174 | 1 | Storage | |
| 70 171 172 173 174 175 | NARCOTICS HARD INTERVIEW STORAGE | | | 1 | | |
| 169 170 171 172 173 174 175 176 | NARCOTICS HARD INTERVIEW STORAGE CORRIDOR OFFICE OF CHIEF | 3 | 174 176 | 1 | Storage Office of Chief of Police | |

| ROOM FINISH S | OHLDC | Base | T | W | ALLS | | Millwork | | Window | |
|---|---|---|---|--|---|--|-----------|-------------------|--------------|--|
| Number Room Name | Floor Finish | Finish | North Wall | East Wall | South Wall | West Wall | Counters | Millwork Cabinets | Treatment | Comments |
| LOWER LEVEL FLOOR 001 VESTIBULE | ETR | | | | | | | | | |
| 002 MECHANICAL | ETR | | | | | | | | | |
| 003 MECH 004 CORRIDOR | ETR FT-2 | WB-1 | P-2 | P-1, P-3 | P-1, P-3 | P-2 | | | | ADD ALTERNATE #1 |
| 004 CCRRIDOR | ETR | VVD-1 | Γ-2 | F-1, F-3 | F-1, F-3 | Γ-Ζ | | | | ADD ALTERNATE #1 |
| 005 QUARTERMASTER | ETR | 14/D 0 | LIDO O D 4 | LIDO 0 D 4 | LIDO 0 D 4 | HPC-2 P-1 | OT 4 | | | |
| 007 WEAPONS CLEANING 008 GENERAL STORAGE | CONC-S1 | WB-2 WB-2 | HPC-2 P-1 HPC-2 P-1 | HPC-2 P-1 P-1 | HPC-2 P-1 HPC-2 P-1 | HPC-2 P-1 HPC-2 P-1 | CT-4 | | | |
| 009 SWAT STORAGE | CONC-S1 | WB-2 | HPC-2 P-1 | HPC-2 P-1 | HPC-2 P-1 | P-1 | | | | |
| 010 EVIDENCE | ETR | | | | | | | | | |
| 011 EVID PROCESs 012 FUME | ETR ETR | | | | | | | | | |
| 013 EVIDENCE STORAGE | ETR | | | | | | | | | |
| 014 ARMORY 015 HONORGUARD | CONC-S1 | WB-2 WB-2 | HPC-2 P-1 HPC-2 P-1 | HPC-2 P-1 P-1 | HPC-2 P-1 HPC-2 P-1 | HPC-2 P-1 P-1 | | | | OH DOOR |
| 015 HONORGUARD 016 FORENSICS/ IT | FT-2 | WB-2 | HPC-2 P-1 | HPC-2 P-1 | HPC-2 P-1 | HPC-2 P-1 | REVISE AS | | | PATCH FLOORING AS REQUIRED DUE TO RENOVATIONS |
| 047 FUIDENIOE DAOIZAGINO | ET 0 | W/D 0 | LIDO O D 4 | LIDO O D 4 | LIDO O D 4 | | INDICATED | | | |
| 017 EVIDENCE PACKAGING 018 TRAFFIC | FT-2 FT-2 | WB-2 WB-2 | HPC-2 P-1 HPC-2 P-1 | HPC-2 P-1 HPC-2 P-1 | HPC-2 P-1 HPC-2 P-1 | HPC-2 P-1 HPC-2 P-3 | CT-3 | | | |
| 019 SUPERVISOR | ETR | WB-2 | HPC-2 P-1 | ETR | ETR | ETR | | | | PATCH FLOORING AS REQUIRED DUE TO RENOVATIONS |
| 020 ROLL CALL 022 FITNESS ROOM | FT-2 RAF-1 | WB-2 WB-3 | HPC-2 P-1 M-1/HPC-2 P-9 | HPC-2 P-1 HPC-2 P-9 | HPC-2 P-1 HPC-2 P-7 | HPC-2 P-6 HPC-2 P-9 | | | | |
| 025 STORAGE | ETR | VVD-3 | IVI- 1/HFG-2 F-9 | HFC-2 F-9 | FIFC-2 F-7 | HFC-2 F-9 | | | | |
| 026 FEMALE LOCKERS | ETR | ETR | HPC-2 P-2 | SEE COMMENTS | SEE COMMENTS | SEE COMMENTS | CT-3 | PL-3 BELOW | | SHOWER WALLS TO BE RETILED T-9, T-10 HPC-2 P-2 ABOVE., SEE SCOPE OF WORK ON FINISH PLAN IN SHOWER TOILET AREA ONLY |
| 027 MALE LOCKERS | CPT-2 | | | | | | | COUNTER | | |
| 027a SHOWER | T-5 | T-4 | HPC-2 P-1 | HPC-2 P-2 | HPC-2 P-1 | T-9, T-10 HPC-2 | CT-3 | PL-3 BELOW | | SHOWER WALLS TO BE RETILED T-9, T-10 HPC-2 P-2 ABOVE.,T-11 ON SHOWER FLOOR. SEE SCOPE OF WORK ON FINISH PLAN IN SHOWER TOILET AREA O |
| 027b SUPERVISOR LOCKERS | CPT-2 | | HPC-2 P-1 | HPC-2 P-1 | HPC-2 P-1 | P-2 HPC-2 P-1 | | COUNTER | | |
| 029 CORRIDOR | FT-2 | WB-1 | HPC-2 P-1, P-3 | | HPC-2 P-1 | HPC-2 P-1, P-3 | | | | |
| 030 JAŇ | Y ETR Y | γ | Y | | Y Y | |) Y | 7 | Y | OFF CHEFT A 404 FOR PAINT COLORD LIPO OR A DO DO LIPO A 404 VOTED ON FLETUTION (A) TO DO LIPO OR A DO DO LIPO A 404 VOTED ON FLETUTION (A) TO DO LIPO OR A DO DO LIPO A 404 VOTED ON FLETUTION (A) TO DO LIPO OR A DO DO LIPO A 404 VOTED ON FLETUTION (A) TO DO LIPO OR A DO DO LIPO A 404 VOTED ON FLETUTION (A) TO DO LIPO A 404 VO |
| 031 BOOKING 033 HARD INTERVIEW | CONC-S1 | - | HPC-2 P-1 | HPC-2 P-1 | HPC-2 P-1 | HPC-2 P-1 | CT-1 | PL-2 | | SEE SHEET A-421 FOR PAINT COLORS HPC-2 P-1, P-2, P-6, HPC-1 AS NOTED ON ELEVATION 10/A521, CONCRETE SEALER TO MATCH EXISTING CONCRETE SEALER TO MATCH EXISTING |
| 034 MALE | Λ EŢR Λ | | 521-1 | 521-1 | 1.1021-1 | 5 21 -1 | | | | |
| 035 MALE | ÉTR | | | | | | | | | |
| 036 MALE 037 FEMALE | ETR ETR | | | | | | | | | |
| 038 FEMALE | ETR | | | | | | | | | |
| 039 FÉMÁLE V V | ETR CONC-S1 | | HPC-2 P-1 | HPC-2 P-1 | HPC-2 P-1 | HPC-2 P-1 | Y Y | , , | γ - | CONCRETE SEALER TO MATCH EXISTING |
| 040 SALLYPORT 041 CORR | ET/R | _ / | \ \ \ \ \ \ | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | \ \ \ \ \ \ | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | , , | / | | |
| -042 CORR | ETR | | | | | | | | | |
| 043 CORR 044 K-9 | ETR CONC-S1 | WB-2 | HPC-2 P-1 | P-1 | HPC-2 P-1 | HPC-2 P-1 | | | | |
| 045 VEHICLE MAINTENANCE | CONC-S1 | WB-2 | HPC-2 P-1 | HPC-2 P-1 | HPC-2 P-1 | P-1 | | | | |
| 046 CORR | ETR | WB-2 | HPC-1 P-1 | HPC-1 P-1 | HPC-1 P-1 | HPC-1 P-1 | | | | PATCH FLOORING AS REQUIRED DUE TO RENOVATIONS |
| 047 MECH 048 BCI | ETR ETR | | | | | | | | | |
| A STAIR A | ETR | | | | | | | | | |
| B STAIR B MAIN FLOOR PLAN | ETR | | | | | | | | | |
| 101 VESTIBULE | WM-1 | WB-1 | P-1 | P-1 | P-1 | ETR | | | | LOGO INSET |
| 102 LOBBY | T-1, T-2, T-3 | T-4 | STN-1 | P-1 | P-1, T-3 AT DRINKING | P-2 | CT-3 | | | |
| | | | | | FOUNTAIN | | | | | |
| 107 REPORT WRITING 108 PAYROLL | CPT-1 | WB-2 WB-2 | P-1 P-1 | P-1 P-1 | P-2 P-1 | P-1 P-2 | CT-3 | | | |
| 109 SAFE | CPT-1 | WB-2 | P-1 | P-1 | P-1 | P-1 | | | | |
| 114 PLANNING AND TRAINING | CPT-1 | WB-2 | P-1 | P-1 | P-1 | P-2 | | | | |
| 115 CL 116 CORRIDOR | CPT-1 FT-1 | WB-2 WB-1 | P-1 P-1, | P-1 P-1 | P-1 P-1, | P-1 P-1 | | | | ADD ALTERNATE #1 |
| 447 ADMINI LIGHTENIANT | ODT 4 | W/D 0 | WIP-1,WIP-3 | D 2 | WIP-1,WIP-2,WIP-3 | | | | VA/T. 4 | |
| 117 ADMIN. LIEUTENANT 118 CAPTAINS OFFICE | CPT-1 | WB-2 WB-2 | P-1 P-1 | P-3 P-1 | P-1 P-1 | P-1 P-2 | | | WT-1 WT-1 | |
| 119 CAPTAINS OFFICE | CPT-1 | WB-2 | P-1 | P-1 | P-1 | P-3 | | | WT-1 | |
| 120 CAPTAINS OFFICE 122 DETECTIVE CAPT OFFICE | CPT-1 CPT-1 | WB-2 WB-2 | P-1 P-1 | P-1 P-3 | P-1 P-1 | P-2 P-1 | | | WT-1 WT-1 | |
| 123 SERGEANTS OFFICE | CPT-1 | WB-2 | P-1 P-3 | P-3 P-1 | P-1 P-1 | P-1 P-1 | | | - VVI-1 | |
| 124 DETECTIVE LT OFFICE | CPT-1 | WB-2 | P-1 | P-2 | P-1 | P-1 | | | WT-1 | |
| 130 JUV HOLDING 131 DECOMP | P-5 CPT-1 | - WB-2 | P-2 P-1 | P-1 P-4 | P-1 P-1 | P-1 P-1 | | | | PAINT CONCRETE BENCH HPC-2 P-2 |
| 135 CORRIDOR | FT-1 | WB-1 | P-1, | P-1 | P-1, WIP-1, WIP-3 | P-1 | | | | ADD ALTERNATE #1 |
| 140 OFFICE | | | WIP-1,WIP-3 | | | | | | WT-1 | |
| 141 CL | | | | | | | | | v v 1 − 1 | |
| 142 STG | | | | | | | | | | |
| 143 CONFERENCE 145 OFFICE | | | | | | | | | WT-1 | |
| 148 CL | | | | | | | | | v#1*1 | |
| 149 CLOSET | 007 | 14/5-0 | D.1 | D / | D. (| D. (| | | | |
| 151 PROSECUTION 152 OFFICE | CPT-1 | WB-2 WB-2 | P-1 P-2 | P-4 P-1 | P-1 P-1 | P-1 P-1 | | | WT-1 | |
| 153 CL | CPT-1 | WB-2 | P-1 | P-1 | P-1 | P-1 | | | | |
| 154 CRT 155 IT WORKROOM | CPT-1 | WB-2 | P-1 | P-1 | P-1 | P-1 | | | WT-1 | |
| 155 IT WORKROOM 156 STG | | | | | | | | | | |
| | T-1 | T-4 | P-1 | P-1 | P-1 | P-5 | CT-2 | PL-1 | | |
| | | T-4 | P-1 | P-2 | P-1 | T-9, T-10 | | | | |
| 159 ELECTRICAL | 1-5 | T-4 | P-1 P-1 | T-9, T-10 | P-1 P-1 | P-2 | | | | |
| | T-5 T-5 | | P-2 | P-1 | P-1 | P-1 | | | | |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW | T-5 T-2 | T-4 | | n 4 | P-1 | P-1 | CT-3 | | | |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW 163 DOMESTIC VIOLENCE | T-5 T-2 T-2 | T-4 | P-2 P-1 | P-1 | P_1 | D_/I | . (7170) | | | |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW | T-5 T-2 | | P-2 P-1 P-1 | P-1 P-1 P-3 | P-1 P-1 | P-4 P-1 | | | | |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW 163 DOMESTIC VIOLENCE 164 RECORDS 165 OIC OFFICE 166 TOILET | T-5 T-2 T-2 CPT-1 CPT-1 T-2 | T-4 WB-1 WB-2 T-4 | P-1 P-1 P-2 | P-1 P-3 P-2 | P-1 T-6, T-7, T-8 | P-1 P-2 | 0.0 | | | |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW 163 DOMESTIC VIOLENCE 164 RECORDS 165 OIC OFFICE 166 TOILET 167 TOILET | T-5 T-2 T-2 CPT-1 CPT-1 T-2 T-2 | T-4 WB-1 WB-2 T-4 T-4 | P-1 P-1 P-2 P-2 | P-1 P-3 P-2 P-2 | P-1 T-6, T-7, T-8 T-6, T-7, T-8 | P-1 P-2 P-2 | | | WT_1 | |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW 163 DOMESTIC VIOLENCE 164 RECORDS 165 OIC OFFICE 166 TOILET | T-5 T-2 T-2 CPT-1 CPT-1 T-2 | T-4 WB-1 WB-2 T-4 | P-1 P-1 P-2 | P-1 P-3 P-2 | P-1 T-6, T-7, T-8 | P-1 P-2 | | | WT-1 | |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW 163 DOMESTIC VIOLENCE 164 RECORDS 165 OIC OFFICE 166 TOILET 167 TOILET 169 DETECTIVES 170 OFFICE 171 DETECTIVES BREAKOUT | T-5 T-2 T-2 CPT-1 CPT-1 T-2 T-2 CPT-1 CPT-1 CPT-1 CPT-1 | T-4 WB-1 WB-2 T-4 T-4 WB-2 WB-2 | P-1 P-1 P-2 P-2 P-1 P-1 | P-1 P-3 P-2 P-2 P-1 P-1 P-4 | P-1 T-6, T-7, T-8 T-6, T-7, T-8 P-4 P-1 P-1 | P-1 P-2 P-2 P-1 P-4 P-1 | CT-3 | | WT-1 | |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW 163 DOMESTIC VIOLENCE 164 RECORDS 165 OIC OFFICE 166 TOILET 167 TOILET 169 DETECTIVES 170 OFFICE 171 DETECTIVES BREAKOUT 172 NARCOTICS | T-5 T-2 T-2 CPT-1 CPT-1 T-2 T-2 CPT-1 CPT-1 CPT-1 CPT-1 CPT-1 | T-4 WB-1 WB-2 T-4 T-4 WB-2 WB-2 WB-2 WB-2 | P-1 P-2 P-2 P-1 P-1 P-1 P-1 | P-1 P-3 P-2 P-2 P-1 P-1 P-4 P-1 | P-1 T-6, T-7, T-8 T-6, T-7, T-8 P-4 P-1 P-1 P-2 | P-1 P-2 P-2 P-1 P-4 P-1 P-1 | | | WT-1 | |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW 163 DOMESTIC VIOLENCE 164 RECORDS 165 OIC OFFICE 166 TOILET 167 TOILET 169 DETECTIVES 170 OFFICE 171 DETECTIVES BREAKOUT | T-5 T-2 T-2 CPT-1 CPT-1 T-2 T-2 CPT-1 CPT-1 CPT-1 CPT-1 | T-4 WB-1 WB-2 T-4 T-4 WB-2 WB-2 | P-1 P-1 P-2 P-2 P-1 P-1 | P-1 P-3 P-2 P-2 P-1 P-1 P-4 | P-1 T-6, T-7, T-8 T-6, T-7, T-8 P-4 P-1 P-1 | P-1 P-2 P-2 P-1 P-4 P-1 | | | WT-1 | |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW 163 DOMESTIC VIOLENCE 164 RECORDS 165 OIC OFFICE 166 TOILET 169 DETECTIVES 170 OFFICE 171 DETECTIVES BREAKOUT 172 NARCOTICS 173 HARD INTERVIEW | T-5 T-2 T-2 CPT-1 CPT-1 T-2 T-2 CPT-1 CPT-1 CPT-1 CPT-1 CPT-1 CPT-1 FT-2 | T-4 WB-1 WB-2 T-4 T-4 WB-2 WB-2 WB-2 WB-2 WB-2 | P-1 P-1 P-2 P-2 P-1 P-1 P-1 P-1 | P-1 P-3 P-2 P-2 P-1 P-1 P-4 P-1 P-2 P-1 P-2 P-1 P-1, WIP-1, WIP-2, | P-1 T-6, T-7, T-8 T-6, T-7, T-8 P-4 P-1 P-1 P-2 P-1 | P-1 P-2 P-2 P-1 P-4 P-1 P-1 | | | WT-1 | ADD ALTERNATE #1 |
| 159 ELECTRICAL 160 MENS 161 WOMENS 162 INTERVIEW 163 DOMESTIC VIOLENCE 164 RECORDS 165 OIC OFFICE 166 TOILET 169 DETECTIVES 170 OFFICE 171 DETECTIVES BREAKOUT 172 NARCOTICS 173 HARD INTERVIEW 174 STORAGE | T-5 T-2 T-2 CPT-1 CPT-1 T-2 T-2 CPT-1 CPT-1 CPT-1 CPT-1 CPT-1 CPT-1 FT-2 FT-2 | T-4 WB-1 WB-2 T-4 T-4 WB-2 WB-2 WB-2 WB-2 WB-2 WB-2 | P-1 P-1 P-2 P-2 P-1 P-1 P-1 P-1 P-1 | P-1 P-3 P-2 P-2 P-1 P-1 P-4 P-1 P-2 P-2 P-1 | P-1 T-6, T-7, T-8 T-6, T-7, T-8 P-4 P-1 P-1 P-2 P-1 P-1 | P-1 P-2 P-2 P-1 P-4 P-1 P-1 P-1 | | | WT-1 | ADD ALTERNATE #1 |

INTERIORS / FINISHES NOTES

- 1. REFER TO NORTH DIRECTIONAL ARROWS ON PLANS.
- HOLLOW METAL DOORS & FRAMES & INTERIOR WINDOW FRAMES (NEW & EXISTING) SHALL BE PAINTED PER DOOR SCHEDULE UNLESS OTHERWISE NOTED.
- ALL FINISHES IN EXITS SHALL BE CLASS A RATED. ALL FINISHES IN CORRIDORS SHALL BE CLASS A OR CLASS B RATED. 4. THE FOLLOWING SHALL BE PAINTED UNLESS OTHERWISE STATED:

 A. EXPOSED SPRINKLER PIPING, ELECTRICAL CONDUIT, AND WIRE MOLDING IN FINISHED AREAS.

 B. EXPOSED DUCTWORK IN FINISHED AREAS.

 C. EXPOSED BEAMS, JOISTS, DECK, AND COLUMNS IN FINISHED AREAS.

 D. INTERIOR LINTELS

 E. INTERIOR HANDRAILS & GUARDRAILS

 F. INTERIOR STEEL LADDERS, EP-xx, TYP.
- EXPOSED STRUCTURE SHALL BE PAINTED P-8, UNLESS OTHERWISE NOTED.
- 6. REFER TO INTERIOR / FINISH PLANS FOR FLOOR FINISH PATTERNS AND DETAILS.
- REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL WALL FINISH INFORMATION. 8. SEE A-000 FOR GENERAL LEGENDS, ABBREVIATIONS AND SYMBOLS

EAST PROVIDENCE, RI 02914

750 WATERMAN AVE

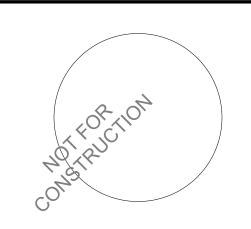
EAST PROVIDENCE

POLICE DEPT RENOVATIONS

JCJARCHITECTURE 120 HUYSHOPE AVENUE SUITE 400 HARTFORD, CT 06106 860.247.9226

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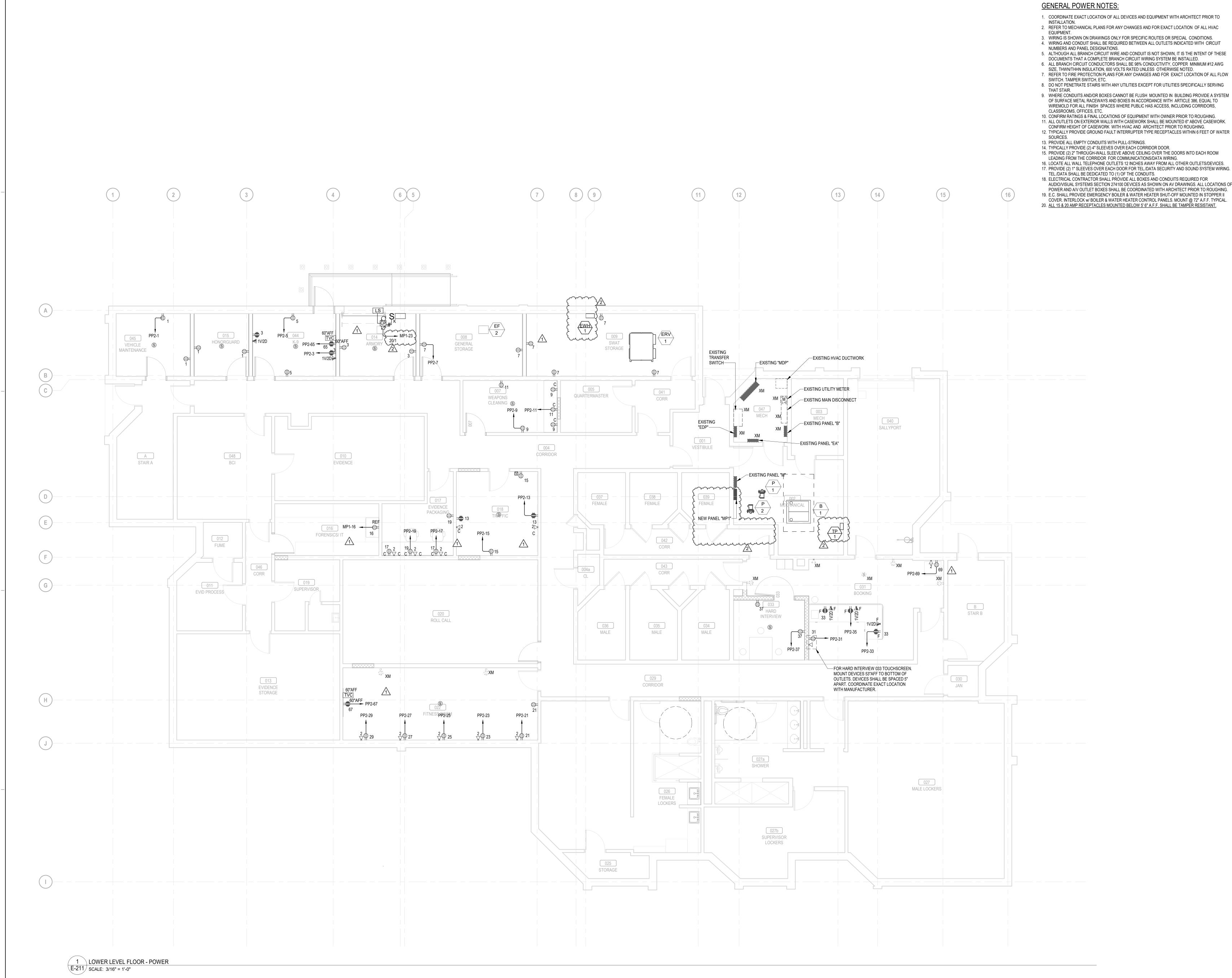
ADDENDEM 1 07/10/2024



7/17/2024 Addendum 2

ROOM FINISH AND SIGNAGE SCHEDULE

A-620



- 1. COORDINATE EXACT LOCATION OF ALL DEVICES AND EQUIPMENT WITH ARCHITECT PRIOR TO
- 2. REFER TO MECHANICAL PLANS FOR ANY CHANGES AND FOR EXACT LOCATION OF ALL HVAC
- 3. WIRING IS SHOWN ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. 4. WIRING AND CONDUIT SHALL BE REQUIRED BETWEEN ALL OUTLETS INDICATED WITH CIRCUIT
- 5. ALTHOUGH ALL BRANCH CIRCUIT WIRE AND CONDUIT IS NOT SHOWN, IT IS THE INTENT OF THESE
- DOCUMENTS THAT A COMPLETE BRANCH CIRCUIT WIRING SYSTEM BE INSTALLED. 6. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE 98% CONDUCTIVITY, COPPER MINIMUM #12 AWG
- 8. DO NOT PENETRATE STAIRS WITH ANY UTILITIES EXCEPT FOR UTILITIES SPECIFICALLY SERVING
- 9. WHERE CONDUITS AND/OR BOXES CANNOT BE FLUSH MOUNTED IN BUILDING PROVIDE A SYSTEM OF SURFACE METAL RACEWAYS AND BOXES IN ACCORDANCE WITH ARTICLE 386, EQUAL TO
- 10. CONFIRM RATINGS & FINAL LOCATIONS OF EQUIPMENT WITH OWNER PRIOR TO ROUGHING. 11. ALL OUTLETS ON EXTERIOR WALLS WITH CASEWORK SHALL BE MOUNTED 6" ABOVE CASEWORK.
- CONFIRM HEIGHT OF CASEWORK WITH HVAC AND ARCHITECT PRIOR TO ROUGHING. 12. TYPICALLY PROVIDE GROUND FAULT INTERRUPTER TYPE RECEPTACLES WITHIN 6 FEET OF WATER

- 14. TYPICALLY PROVIDE (2) 4" SLEEVES OVER EACH CORRIDOR DOOR.
- LEADING FROM THE CORRIDOR FOR COMMUNICATIONS/DATA WIRING. 16. LOCATE ALL WALL TELEPHONE OUTLETS 12 INCHES AWAY FROM ALL OTHER OUTLETS/DEVICES.
- 18. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL BOXES AND CONDUITS REQUIRED FOR AUDIO/VISUAL SYSTEMS SECTION 274100 DEVICES AS SHOWN ON AV DRAWINGS. ALL LOCATIONS OF
- POWER AND A/V OUTLET BOXES SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ROUGHING. 19. E.C. SHALL PROVIDE EMERGENCY BOILER & WATER HEATER SHUT-OFF MOUNTED IN STOPPER II
- COVER. INTERLOCK w/ BOILER & WATER HEATER CONTROL PANELS. MOUNT @ 72" A.F.F. TYPICAL. 20. ALL 15 & 20 AMP RECEPTACLES MOUNTED BELOW 5' 6" A.F.F. SHALL BE TAMPER RESISTANT.

JCJARCHITECTURE 120 HUYSHOPE AVENUE

EAST PROVIDENCE

POLICE DEPT

750 WATERMAN AVE

EAST PROVIDENCE, RI 02914

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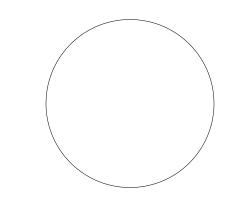
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GGD consulting engineers, inc. 375 Faunce Corner Road, Suite D, Dartmouth, MA 02747-1258 p: 508-998-5700 • f: 508-998-0883 • E-MAIL: info@g-g-d.com

CONSTRUCTION DOCUMENTS 06/03/2024



PIC [WHO] _____ DL [WHO] ____

ISSUE _ISSUE DATE_ JOB __JCJ PROJECT NUMBER: B23036.00_

DRAWN_JR SCALE As indicated

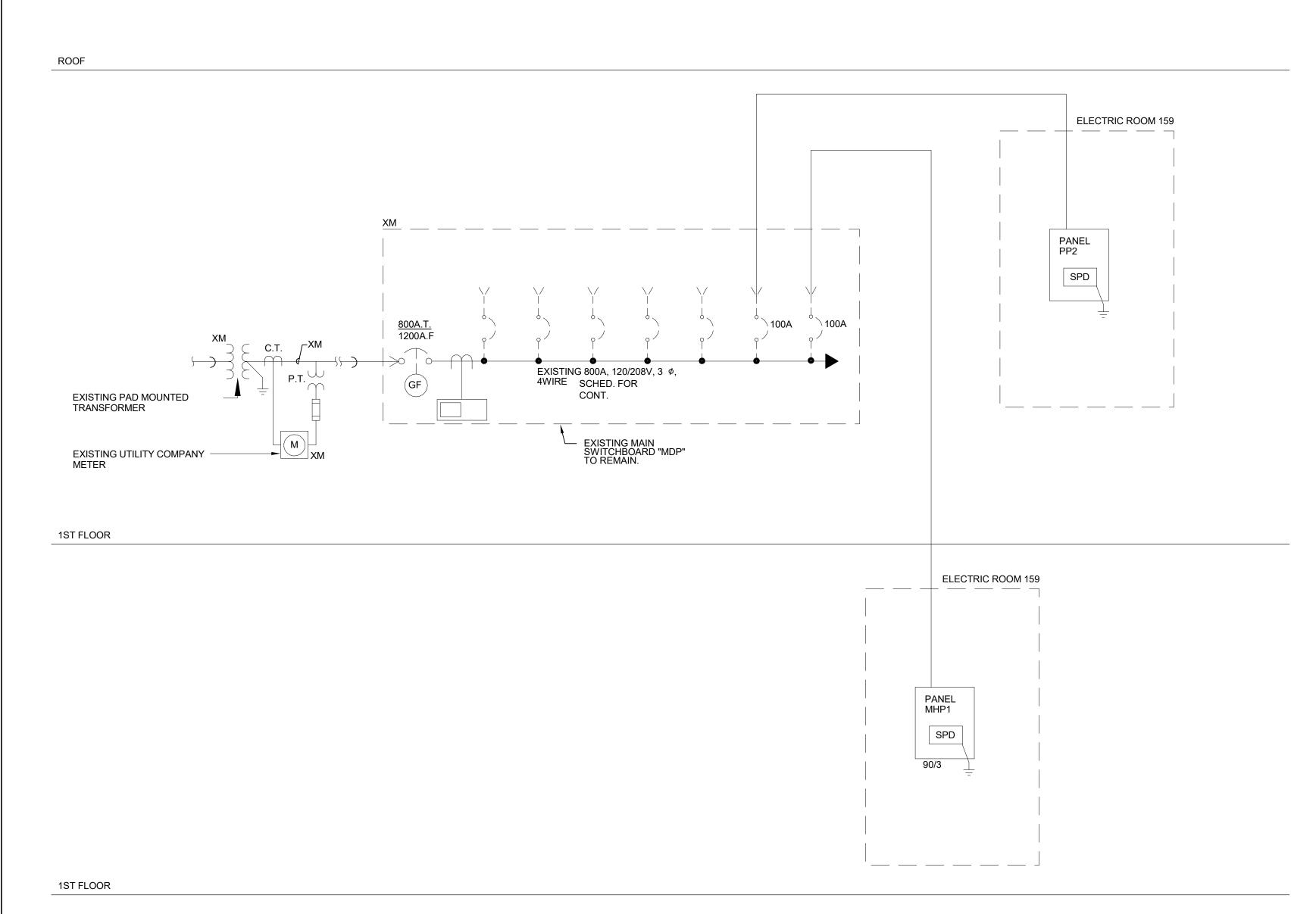
REVISIONS

07/08/2024 Addendum 1 07/19/2024 Addendum 2

LOWER LEVEL - POWER PLAN

E-211

| | | | | | _ | | | IEDULE OF ME | , | | | | | | | | | | | | |
|-------------------|---------------------------|---------------------------------------|---|--------|-----|------------------|--------------------|--|---------------------------|-----|----|--------|-------------|----------------|-----------------|--------|-------------------|-----|------------|-----|--|
| | | | | | | | | | EQUIPMENT AND CONNECTIONS | | | | | | | | | | | | |
| UNIT NO. | DESCRIPTION | LOCATION | LOAD CHARACTERISTICS | VOLT | PH | PANEL CIRCUIT | CIRCUIT BREAKER | FEEDER 1 | TS | | | | ~• [| S _D | \bigcirc^{WP} | J | J S _{WP} | VFD | NEMA 3R | Е | REMARKS |
| RTU-1 | ROOFTOP UNIT | ROOF | 239 MCA/250 MOCP | 208 | 3 | MDP | 250A/3P | EXISTING FEEDER | - | - | Х | - | Х | - | Χ | Х | Х | - | Х | - | CONNECT WEATHERPROOF RECEPTACLE TO PP2-6 |
| ERV-1 | ENERGY RECOVER VENT. | ARMORY/STORAGE | 3.5 MCA/15 MOCP | 208 | 1 | MP1-2,4 | 20A/2P | 3#12 & 1#12G - 3/4"C | X | - | - | - | X | - | - | Х | - | - | - | - | |
| B-1 | HOT WATER BOILER | - | 10 AMPS | 120 | 1 | MP1-1 | 20A/1P | 2#12 & 1#12G - 3/4"C | X | - | - | - | X | - | - | Х | - | - | - | Х | CONNECT WEATHERPROOF RECEPTACLE TO MP2-2 |
| EF-1 | ELECTRIC FAN | 150/161 TOILETS | 1/10 HP | 120 | 1 | MP1-6 | 20A/1P | 2#12 & 1#12G - 3/4"C | X | - | - | - | X | - | - | Х | - | - | - | Х | |
| EF-2 | ELECTRIC FAN | WEAPONS 007 | 25W | 120 | 1 | MP1-8 | 20A/1P | 2#12 & 1#12G - 3/4"C | X | - | - | - | Х | - | - | Х | - | - | - | Х | |
| P-1 | WATER PUMPS | - | 1.5 HP | 208 | 3 | MP1-3,5,7 | 20A/3P | 3#12 & 1#12G - 3/4"C | - | - | Х | - | X | - | - | Х | - | - | - | - | |
| P-2 | WATER PUMPS | - | 1.5 HP | 208 | 3 | MP1-9,11,13 | 20A/3P | 3#12 & 1#12G - 3/4"C | - | - | Х | - | Х | - | - | Х | - | - | - | - | |
| V-1-10 & VAV-1-13 | VARIABLE AIR VOLUME BOXES | REFER TO PLANS | - | 120 | 1 | MP1-10 | 20A/1P | 2#12 & 1#12G - 3/4"C | (2)X | - | - | (2)X | - | - | - | (2)X | - | - | | | SERVING RTU-1 |
| \sim | \cdots | · · · · · · · · · · · · · · · · · · · | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | \sim | ~~~ | $\sim\sim\sim$ | ~~~~~ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~~ | ~~~ | ~~ | \sim | ~~~ | \sim | \sim | \sim | \sim | ~~~ | \sim | ~~~ | ~~~ |
| EWH-1 | WATER HEATER | - | 8.3KW | 208 | 1 | MP1-27,29 | 40/2P | 3#8 & 1#10G - 1"C | - | - | X | - | X | - | - | X | - | - | - | - | |
| TP-1 | WATER PUMPS | - | - | 120 | 1 | MP1-31 | 20A/1P | 2#12 & 1#12G - 3/4"C | Х | - | - | - | Х | - | - | Х | - | - | - | - | 3 |



ONE LINE RISER DIAGRAM E-300 SCALE: N.T.S.

| | FXIS | STING | | | | | |
|----------|------|-------------------------|-------------|-------------------------|-----------------|------------|---------------|
| | | VICE: 800 | DAMP, 120/2 | O8V, 3 Ø,4W DISTRIBU | TION PANEL 'NE | OP' SCHEDI | JLE |
| | | | | | | | |
| | | OVER CURRE DEVICE | NT | CIRCUIT | FEEDER SIZE | COND. SIZE | REMARKS |
| | No. | TRIP | FRAME | GII (GGT) | 1 223211 3122 | COND. CIZE | , central and |
| | 1 | 80 | | EXISTING UNKNOWN LOAD | EXISTING FEEDER | | |
| 1 | 2 | 150 | 225 | NEW PANEL PP2 | 4#1/0 + 1#6G | 2" | |
| } | 3 | 70 | | EXISTING PANEL M | EXISTING FEEDER | | |
| } | 3 4 | 100 | | EXISTING PANEL IT | EXISTING FEEDER | | |
| } | 5 | 100 | | EXISTING PANEL B | EXISTING FEEDER | | |
| } | 6 | 70 | | EXISTING PANEL C | EXISTING FEEDER | | |
| 2 | 7 | 150 | | EXISTING PANEL A | EXISTING FEEDER | | |
| } | 3 8 | 150 | | EXISTING PANEL EDP | EXISTING FEEDER | | |
| } | 9 | 300 | | AHU-1 | EXISTING FEEDER | | |
| } | 3 10 | 125 | | EXISTING MICRO-TURBINE | EXISTING FEEDER | | |
| {1 | 3 11 | 100 | 100 | NEW PANEL MP1 | 4#1 + 1#6G | 1-1/2" | |
| E. | 12 | 100 | | EXISTING PANELS ERS/ELS | EXISTING FEEDER | | |
| | 13 | | | SPARE | - | | |
| | 14 | 100 | | EXISTING PANEL EA | EXISTING FEEDER | | |
| | | | | | | · | |

¹ PROVIDE CURRENT LIMITING BREAKERS. UL LISTED SERIES RATED FOR 65,000A RMS@ RATED VOLTAGE WITH DOWNSTREAM BREAKERS IS ACCEPTABLE.

| | 120/208V | , 3 PHASE, 4W, 10 KAIC | PANEL SCHEDULE | | | | | | | | | | | | | | |
|----|----------|--------------------------------|----------------|-----------|-----|--------|------|------------------|--------|----|----|--------|----|----|-------|-------|----------------|
| | PANEL | LOCATION | MAIN | MAIN | BR | ANCI | H CK | T BREAKER (AMPS) | | | | | | | TOTAL | | |
| | NO. | LOCATION | MTG | BUS | СВ | 1 POLE | | | 2 POLE | | | 3 POLE | | | | POLES | OTHERS |
| | | | | AMPS | | 15 | 20 | 30 | 15 | 20 | 30 | 15 | 20 | 30 | 60 | | |
| 24 | PP2 | ELECTRICAL 159 | S | 150 | 150 | - | 79 | ı | ı | - | - | - | 1 | - | 1 | 84 | (2)20A/1P GFCI |
| 4 | MP1 | MECHANICAL 002 | S | 100 | 100 | - | 16 | 1 | - | 1 | - | - | 3 | - | 1 | 30 | - |
| Ċ | PROVII | DE SHUNT TRIP MAIN CIRCUIT BRE | AKER WIT | H 120V CO | IL. | | | | | | | | | | | | |

) 200% NEUTRAL BUS.

DOUBLE NEUTRAL BUS AND IG BUS.

4) SINGLE TUB PANEL BUT TALLER IN HEIGHT.

MECHANICAL SCHEDULE KEY NOTES:

- PROVIDE 3/4"CONDUIT w/ PULL WIRE BETWEEN INDOOR UNIT & OUTDOOR UNIT FOR EACH SPLIT SYSTEM.
- (2) PROVIDE HARD CONNECTION FOR CONDENSATE PUMP (CP-1 OR CP-2). CONNECT TO NEAREST 120V, 1 BRANCH CIRCUIT UNLESS OTHERWISE INDICATED. PROVIDE THERMAL SWITCH AT UNIT. FIELD COORDINATE EXACT LOCATION WITH HVAC. SEE DETAIL
- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF CONDENSATE PUMPS CP-1.
- (4) VFD FURNISHED INTEGRAL WITH UNIT BY HVAC EQUIPMENT SUPPLIER. SINGLE POINT CONNECTION BY E.C.
- (5) E.C. SHALL F&I UNI-STRUT, FOR MOUNTING OF DISCONNECT SWITCH, ATTACHED TO ROOF STRUCTURE INDEPENDENT OF HVAC ROOF-TOP EQUIPMENT TO PREVENT EXCESSIVE WEAR DUE TO VIBRATIONS. LOCATE ADJACENT TO ROOFTOP UNIT BEING SERVED. SEE DETAIL **►3.1**
- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF DUCT TYPE SMOKE DETECTORS.
- 7 FINAL VAV BOX CONNECTION BY ATC CONTRACTOR. ALSO REFER TO MECHANICAL DRAWINGS FOR UNIT EXACT LOCATIONS AND QUANTITIES. COORDINATE WITH HVAC CONTRACTOR FOR EXACT LOCATION OF JUNCTION BOXES.

MECHANICAL SCHEDULE GENERAL NOTES:

- 1. DUCT SMOKE DETECTORS SHALL BE PROVIDED ON RETURN DUCT FOR ALL MECHANICAL UNITS OVER 2000CFM. PROVIDE DUCT SMOKE ON RETURN AND SUPPLY DUCTWORK FOR ALL MECHANICAL UNITS OVER 15000 CFM. PROVIDE REMOTE TEST STATION WITH EACH DETECTOR. LOCATION OF TEST STATION SHALL BE WALL MOUNTED IN THE VICINITY OF THE UNIT. DUCT SMOKES TO INITIATE SUPERVISORY ALARM.
- 2. PROVIDE FLEXIBLE CONNECTION TO EQUIPMENT REFER TO SPECIFICATIONS.
- 3. CONTROLLERS AND DISCONNECT DEVICES SHALL BE NRTL RATED FOR USE WITH A DESIGN E MOTOR WITH A HORSE POWER RATING NOT LESS THAN 1.4

TIMES THE MOTOR HORSE POWER. (REFER TO ELECTRICAL CODE ARTICLE 430).

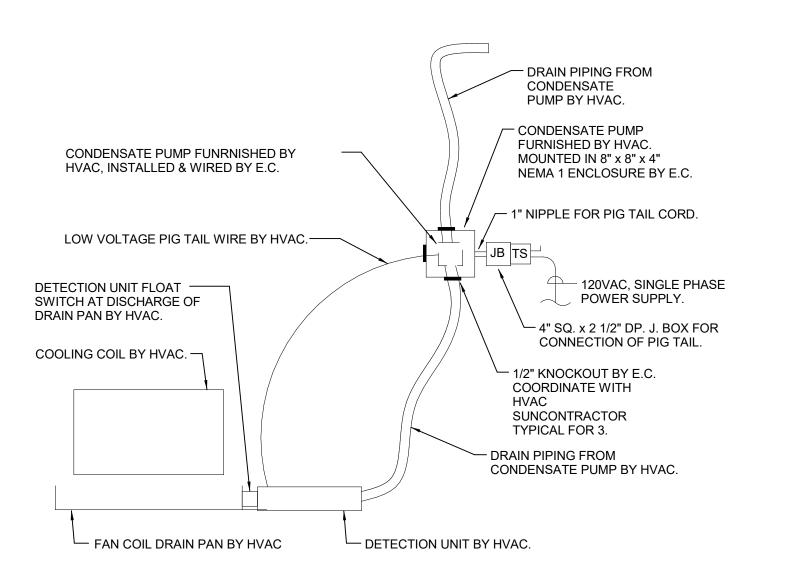
- 4. TWO SPEED MOTORS SHALL HAVE TWO MOTOR BRANCH CIRCUITS AND SIX POLE DISCONNECTS.
- 5. WHERE INDICATED PROVIDE WEATHERPROOF DUPLEX RECEPTACLES AT MECHANICAL EQUIPMENT. PROVIDE 3/4"C. WITH 2#12+#12G AWG TO NEAREST PANEL AND CONNECT TO 20A/1P CIRCUIT BREAKER UNLESS OTHERWISE
- 6. TYPICALLY LOCATE STARTERS OR VFDs IN ELECTRIC ROOM (NEAR PANEL).
- 7. ALL EXTERIOR MOUNTED DISCONNECT SWITCHES, JUNCTION/PULL BOXES, RACEWAYS, FLEXIBLE CONNECTION TO EQUIPMENT, ETC. SHALL BE NEMA "3R."

8. THE E.C. SHALL PROVIDE NEMA 7 DISCONNECT SWITCHES AND SEAL FITTINGS

NEAREST 120 VOLT RECEPTACLE CIRCUIT UNLESS OTHERWISE INDICATED.

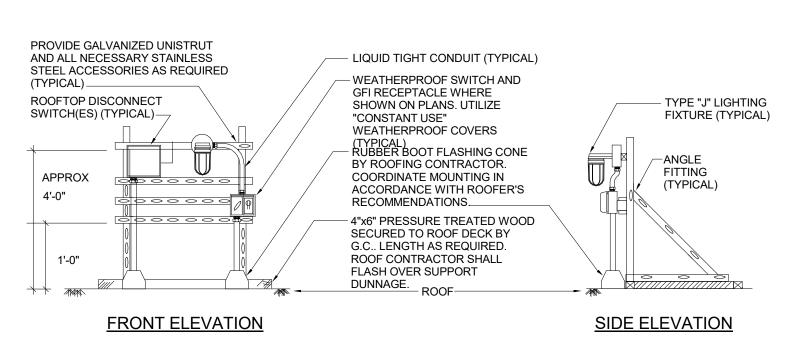
- AT EXPLOSION PROOF FANS. 9. WHERE INDICATED PROVIDE 120 VOLT CIRCUIT FOR RECEPTACLE AND LIGHT FIXTURE TYPE "J" AT ROOF TOP UNIT AS NOTED. TYPICALLY CONNECT TO



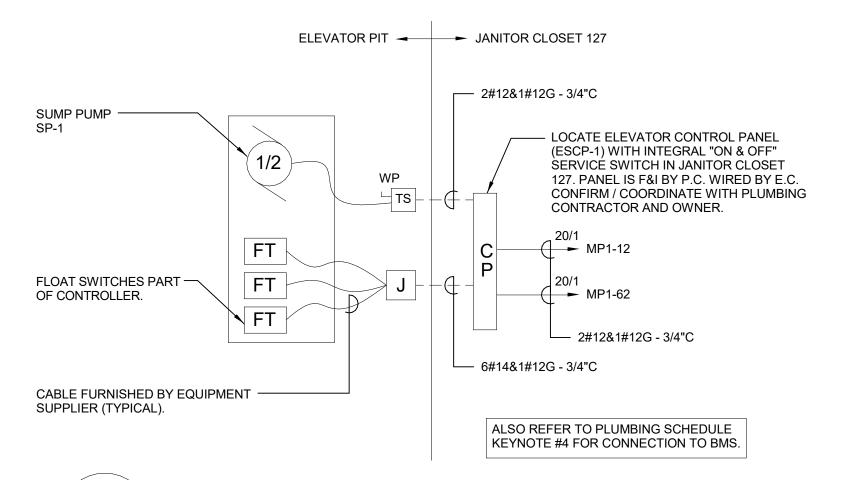


CONDENSATE PUMP (CP-1 & CP-2) WIRING DETAIL **E-301** SCALE : N.T.S.

1. WIRING MAY VARY BY MANUFACTURER. FIELD CONFIRM WITH APPROVED SHOP DRAWINGS PRIOR TO ROUGHING.







ELEVATOR SUMP PUMP DETAIL

EAST PROVIDENCE POLICE DEPT RENOVATIONS

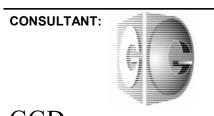
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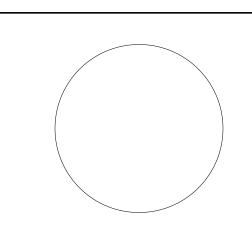
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GGD consulting engineers, inc. 375 Faunce Corner Road, Suite D, Dartmouth, MA 02747-1258 p: 508-998-5700 • f: 508-998-0883 • E-MAIL: info@g-g-d.com

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DRAWN_JR SCALE

REVISIONS

07/19/2024 Addendum 2

SCHEDULES AND DETAILS

E-301