Esse Architects
632 Pershing Road | Raleigh NC 27608

Addendum No. 3

Wake County Mini City EMS

Esse Architects Project #2506 | Owner ID: RFB #26-075

Addendum No. 3

September 17, 2026

TO: ALL PRIME BIDDERS OF RECORD

This Addendum forms a part of the Contract Documents and modifies the original Project Manual and Construction Documents dated August 17, 2026, 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 form consists of **three (3) pages and twenty-four (24) 8.5"X11" and five (5) 24"X36" attachments as described in this form. All documents are distributed digitally.**

DRAWINGS

Item No. Description

1. Make the following revisions:
    a. Replace Sheet G104 INTERIOR WALL TYPES with the attached revised sheet.

2. Make the following revisions:
    a. Replace Sheet A101 FLOOR PLAN with the attached revised sheet.

3. Make the following revisions:
    a. Replace Sheet A131 FINISH PLAN with the attached revised sheet.

SPECIFICATIONS

Item No. Description

1. Specification Section 07 6200 SHEET METAL FLASHING AND TRIM – Make the following revisions:
    a. Change Section 2.6.A.3 as follows:
    Furnish a flat-stock gutter spacers and straps fabricated from same metal as gutters, of size recommended by cited sheet metal standard, but with thickness not less than twice the gutter thickness. Furnish 1/8-inch galvanized steel flat-bar gutter brackets powder-coated in a custom color matching the specified gutter finish.

2. Specification Section 08 7100 DOOR HARDWARE – Make the following revisions:
    a. Use the attached revised specification.

3. Specification Section 26 3100 Photovoltaic Collectors Section 2.1 Manufacturers – Make the following revisions:

a. Add line 2.1.A.4. “Subject to compliance with the specifications, add Hyundai Solar HiN-T595NI-595W as a listed PV Module.”

CLARIFICATIONS

Item No. Description

1. Do the solar PV components, including modules, racking, and inverters, need to comply with FEOC guidelines? This would be a requirement if the end client intends to claim the tax credit. However, in order to do that, the PV system needs to be in service before 12/31/27.
   Response: No.

2. Is there a domestic content requirement for the solar PV scope? If so, please confirm the required percentage.
   Response: No.

3. The solar contractor will provide Ethernet cable to the nearest network switch or the IT room. The controls contractor will be responsible for the PV system's integration with the BAS. Please confirm if this approach is acceptable. Also, is the communication protocol Modbus or BACnet? If it is BACnet, Solar Contractor need to provide a converter, or would that be the responsibility of the controls contractor as well? We are asking this question because solar inverters are Modbus compatible; therefore, if the required protocol is BACnet, a converter will be required.
   Response: There is no bas system in the building. Assume bacnet.

4. Reference: E202
   Please confirm the DC system size. The roof plan shows 40 modules at 580 W each, for a total of 23.2 kW DC. However, the PV single-line diagram shows 3 strings of 15 modules, totaling 45 modules, which results in 26.1 kW DC.
   Response: Reference updates to E202.

5. Please confirm if prevailing wage or Davis bacon act apply to this project.
   Response: They do not apply to this project.

6. Are there any attic stock/spare parts required for the solar PV system on this project?
   Response: Three panels and three inverters.

7. No Fixture Types SA1, SA2, WA, XBE or EX2 as listed on the Lighting Fixture Schedule appear on the Lighting Drawing E200. Are these fixture types not used?
   Response: Reference Updates to E200

8. On E200 a bank of 4 each three-way switches is shown on the northeast corner of the vehicle bay by the door. Should there be a bank of 4 three-way switches by the door on the west side of the vehicle bay?
   Response: Reference updates to E200.

9. Though there are switches shown in Storage 104A and Mech 104B, no corresponding light fixtures are shown on E200.
Response: Reference updates to E200.

10. Do Millwork contractors need to be AWI certified or just adhere to AWI standards?
Response: Millwork fabricators and installers are required to be certified participants in AWI's Quality Certification Program (QCP), as specified in Section 1.6, Quality Assurance. Compliance with AWI standards alone does not satisfy this requirement.

11. Do cabinets need to be Jim Bishops, or can they be custom built to same specifications?
Response: The cabinets can be custom built to same specifications.

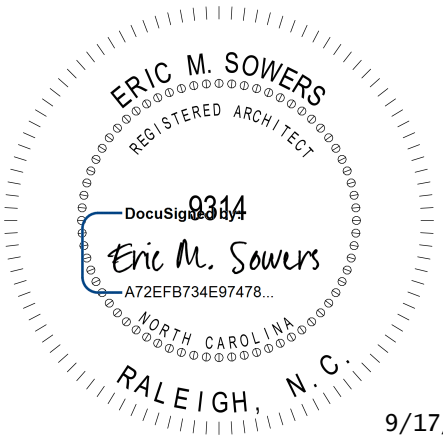
12. None of the 3 approved manufacturers for millwork are interested in pricing the job. Can you provide different company's or strike that from spec section 06 4113-3?
Response: **Other manufacturers may be submitted for consideration, provided they meet all requirements of Section 06 4113, including the specified AWI Quality Certification Program requirements.**

13. Substitution Request dated 9/11/2026 – Proposed substitution – KMC Controls by Controls Service Group
Response: The proposed substitution request – KMC Controls by Service Group has not been accepted.

14. Substitution Request dated 9/14/2026 – Proposed substitutions:
    a. Mortise locksets – Dormakaba BEST 45H Series
    b. Exit devices – Dormakaba Precision Hardware
Response:
a. Mortise locksets – Dormakaba BEST 45H Series – has not been accepted.
b. Exit devices – Dormakaba Precision Hardware – has not been accepted.

ATTACHMENTS

1. SPECIFICATION 08 7100 – DOOR HARDWARE – ADD 3
2. G104 INTERIOR WALL TYPES
3. A101 FLOOR PLAN
4. A131 FINISH PLAN
5. E200 ELECTRICAL LIGHTING NEW WORK
6. E202 ELECTRICAL ROOF PLAN



END OF ADDENDUM NUMBER THREE

SECTION 08 7100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes commercial door hardware for the following:

1. Swinging doors.
2. Other doors to the extent indicated.

B. Door hardware includes, but is not necessarily limited to, the following:

1. Mechanical door hardware.
2. Electromechanical door hardware.
3. Cylinders specified for doors in other sections.

C. Related Sections:

1. Division 08 Section “Hollow Metal Doors and Frames”.
2. Division 08 Section “Interior Aluminum Doors and Frames”.
3. Division 08 Section “Flush Wood Doors”.
4. Division 08 Section “Aluminum-Framed Entrances and Storefronts”.
5. Division 08 Section “All-Glass Entrances”.
6. Division 28 Section “Access Control Hardware Devices”.

D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.

1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
2. ICC/IBC - International Building Code.
3. NFPA 70 - National Electrical Code.
4. NFPA 80 - Fire Doors and Windows.
5. NFPA 101 - Life Safety Code.
6. NFPA 105 - Installation of Smoke Door Assemblies.
7. State Building Codes, Local Amendments.

E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:

1. ANSI/BHMA Certified Product Standards - A156 Series.
2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
3. ANSI/UL 294 - Access Control System Units.
4. UL 305 - Panic Hardware.

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5. ANSI/UL 437- Key Locks.

1.3 SUBMITTALS

A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing, fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
3. Content: Include the following information:

    a. Type, style, function, size, label, hand, and finish of each door hardware item.
    b. Manufacturer of each item.
    c. Fastenings and other pertinent information.
    d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
    e. Explanation of abbreviations, symbols, and codes contained in schedule.
    f. Mounting locations for door hardware.
    g. Door and frame sizes and materials.
    h. Warranty information for each product.

4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.

C. Shop Drawings: Details of electrified access control hardware indicating the following:

1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:

    a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
    b. Complete (risers, point-to-point) access control system block wiring diagrams.
    c. Wiring instructions for each electronic component scheduled herein.

2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.

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D. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.

E. Informational Submittals:

1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

1.4 CLOSEOUT SUBMITTALS

A. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.

B. Project Record Documents: Provide record documentation of as-built door hardware sets in digital format (.pdf, .docx, .xlsx, .csv) and as required in Division 01, Project Record Documents.

1.5 QUALITY ASSURANCE

A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.

B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).

C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

E. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.

1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.

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F. Each unit to bear third party permanent label indicating compliance with the referenced testing standards.

G. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:

1. Function of building, purpose of each area and degree of security required.
2. Plans for existing and future key system expansion.
3. Requirements for key control storage and software.
4. Installation of permanent keys, cylinder cores and software.
5. Address and requirements for delivery of keys.

H. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
3. Review sequence of operation narratives for each unique access controlled opening.
4. Review and finalize construction schedule and verify availability of materials.
5. Review the required inspecting, testing, commissioning, and demonstration procedures

I. At completion of installation, provide written documentation that components were applied according to manufacturer's instructions and recommendations and according to approved schedule.

1.6 DELIVERY, STORAGE AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.

B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.

C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.7 COORDINATION

A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check

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Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.

B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.

C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.8 WARRANTY

A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:

1. Structural failures including excessive deflection, cracking, or breakage.
2. Faulty operation of the hardware.
3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
4. Electrical component defects and failures within the systems operation.

C. Warranty Period: Unless otherwise indicated, warranty shall be one year from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Hardware shall not have any visible manufacturer names on exposed materials, except cylinders, when the door is in a closed position.

2.2 BUTT HINGES

A. Hinges: ANSI/BHMA A156.1 butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity:

a. Two Hinges: For doors with heights up to 60 inches.
b. Three Hinges: For doors with heights 61 to 90 inches.
c. Four Hinges: For doors with heights 91 to 120 inches.
d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

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2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:

    a. Widths up to 3’0”: 4-1/2” standard or heavy weight as specified.
    b. Sizes from 3’1” to 4’0”: 5” standard or heavy weight as specified.

3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:

    a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
    b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.

4. Hinge Options: Comply with the following:

    a. Non-removable Pins: With the exception of electric through wire hinges, provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for all out-swinging lockable doors.

5. Manufacturers:

    a. Hager Companies (HA) - BB Series, 5-knuckle.
    b. McKinney (MK) - TA/T4A Series, 5-knuckle.
    c. dormakaba BEST (ST) - F/FBB Series, 5-knuckle.

2.3 CONTINUOUS HINGES

A. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 continuous geared hinge. with minimum 0.120-inch thick extruded 6063-T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.

1. Where specified, provide modular continuous geared hinges that ship in two or three pieces and form a single continuous hinge upon installation.
2. Manufacturers:.

    a. Hager Companies (HA).
    b. Pemko (PE).
    c. dormakaba BEST (ST).

2.4 POWER TRANSFER DEVICES

A. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.

1. Manufacturers:

    a. Architectural Builders Hardware (AH) - PT1000-EZ Series.

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b. Pemko (PE) - EL-CEPT Series.
c. Securitron (SU) - EL-CEPT Series.
d. Von Duprin (VD) - EPT-10 Series.

B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.

1. Provide one each of the following tools as part of the base bid contract:

   a. McKinney (MK) - Electrical Connecting Kit: QC-R001.
   b. McKinney (MK) - Connector Hand Tool: QC-R003.

2. Manufacturers:

   a. Hager Companies (HA) - Quick Connect.
   b. McKinney (MK) - QC-C Series.
   c. Von Duprin (VD) - Connect.

2.5 DOOR OPERATING TRIM

A. Flush Bolts and Surface Bolts: Provide products conforming to ANSI/BHMA A156.3 and A156.16, Grade 1.

1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
2. Furnish dust proof strikes for bottom bolts.
3. Surface bolts to be minimum 8” in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
5. Manufacturers:

   a. Burns Manufacturing (BU).
   b. Rockwood (RO).
   c. Trimco (TC).

B. Door Push Plates and Pulls: ANSI/BHMA A156.6 door pushes and pull units of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.

1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.

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4. Pulls, where applicable, shall be provided with a 10” clearance from the finished floor on the push side to accommodate wheelchair accessibility.
5. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets. When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.
6. Manufacturers:

    a. Burns Manufacturing (BU).
    b. Rockwood (RO).
    c. Trimco (TC).

2.6 CYLINDERS AND KEYING

A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy. Manufacturer shall be based in the United States of America.

1. Manufacturers:

    a. ASSA ABLOY ACCENTRA (YA).
    b. Medeco (MC).
    c. Match Existing, Field Verify.

B. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:

1. Threaded mortise cylinders with rings and cams to suit hardware application.
2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
3. Bored or cylindrical lock cylinders with tailpieces as required to suit locks.
4. Tubular deadlocks and other auxiliary locks.
5. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
6. Keyway: Match Facility Restricted Keyway.

C. Patented Cylinders: ANSI/BHMA A156.5, Grade 1 Certified Products Directory (CPD) listed cylinders employing a utility patented and restricted keyway requiring the use of a patented key. Cylinders are to be protected from unauthorized manufacture and distribution by manufacturer’s United States patents.

1. Patented key systems shall not be established with products that have an expired patent. Expired systems shall only be specified and supplied to support existing systems.
2. Manufacturers:

    a. ASSA ABLOY ACCENTRA (YA) - Keymark.
    b. Medeco (MC) - X4.

D. Keying System: Each type of lock and cylinders to be factory keyed.

1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
3. Existing System: Field verify and key cylinders to match Owner's existing system.

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E. Key Quantity: Provide the following minimum number of keys:

1. Change Keys per Cylinder: Two (2)
2. Master Keys (per Master Key Level/Group): Five (5).
3. Construction Keys (where required): Ten (10).

F. Construction Keying: Provide construction master keyed cylinders.

G. Key Registration List (Bitting List):

1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
2. Provide transcript list in writing or electronic file as directed by the Owner.

2.7 KEY CONTROL

A. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project.

1. Manufacturers:

a. Lund Equipment (LU).
b. MMF Industries (MM).
c. Telkee (TK).

2.8 MORTISE LOCKS AND LATCHING DEVICES

A. Mortise Locksets, Grade 1 (Heavy Duty): Provide ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed mortise locksets. Listed manufacturers shall meet all functions and features as specified herein.

1. Manufacturers:

a. ASSA ABLOY ACCENTRA (YA) - 8800FL Series.
b. ~~Corbin Russwin Hardware (RU) - ML2000 Series.~~ (ADDENDUM 3)
c. Sargent Manufacturing (SA) - 8200 Series.
d. Schlage (SC) - L9000 Series.

2.9 INTEGRATED WIRED OUTPUT LOCKING DEVICES - MULTI-CLASS READER

A. Integrated Wired Output Multi-Class Mortise Locks: Wiegand or Open Supervised Device Protocol (OSDP) output ANSI A156.13, Grade 1, mortise lockset with integrated card reader with or without keypad option, request-to-exit signaling, door position status switch, and latchbolt monitoring in one complete unit. Hard wired, solenoid driven locking/unlocking control of the lever handle trim, 3/4" deadlocking anti-friction latch, and 1" case-hardened steel deadbolt. Lock is U.L listed and labeled for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.

1. Open architecture, hard wired platform supports centralized control of locking units with new or existing Wiegand or OSDP compatible access control systems. Latchbolt

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monitoring and door position switch act in conjunction to report door-in-frame (DPS) and door latched (door closed and latched) conditions.

2. Integrated reader supports the following credentials:

    a. 125kHz proximity credentials: HID, AWID, Indala, and EM4102.
    b. 13.56 MHz proximity credentials: HID Secure Identity Object™ (SIO) on iCLASS Seos, HID iCLASS, HID iCLASS SE/SR, MIFARE Classic, DESFire EV1 and EV2.
    c. 2.4 GHz credentials: Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
    d. ISO14443A/B (PIV-compatible Transparent FASC-N read) available with pivCLASS variant
    e. NFC-enabled mobile phones
    f. PIN code only or PIN + credential with keypad option.

3. 12VDC external power supply required for reader and lock, with optional 24VDC lock solenoid. Fail safe or fail secure options.
4. Energy Efficient Design: Provide lock bodies which have a holding current draw of 500mA maximum, and can operate on either 12 or 24 volts. Locks are to be field configurable for fail safe or fail secure operation.
5. Support end-of-line resistors contained within the lock case.
6. Installation requires only one cable run from the lock to the access control panel without requirements for additional proprietary lock panel interface boards or modules.
7. Installation to include manufacturer's access control panel interface board or module where required for Wiegand or OSDP output protocol.
8. Manufacturers:

    a. Corbin Russwin (RU) - ML2000 SN Series.
    b. Sargent Manufacturing (SA) - SN200/SN210 8200 Series.

2.10 LOCK AND LATCH STRIKES

A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:

1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.

B. Standards: Comply with the following:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Bored Locks and Latches: BHMA A156.2.
3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
4. Dustproof Strikes: BHMA A156.16.

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2.11 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. Exit devices shall have a five-year warranty.
2. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
3. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
4. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
5. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
6. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.

    a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
    b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.

7. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
8. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
9. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
10. Rail Sizing: Provide exit device rails factory sized for proper door width application.
11. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.

B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed exit devices. Listed manufacturers shall meet all functions and features as specified herein.

1. Electromechanical exit devices shall have the following functions and features:

    a. Universal Molex plug-in connectors that have standardized color-coded wiring and are field configurable in fail safe or fail secure and operate from 12vdc to 24vdc regulated.
    b. EcoFlex or equivalent technology that reduces energy consumption up to 92% as certified by GreenCircle.
    c. Options to be available for request-to-exit or enter signaling, latchbolt and touchbar monitoring.
    d. Field configurable electrified trim to fail-safe or fail-secure that operates from 12-24VDC.
    e. Five-year limited warranty for electromechanical features.

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2. Manufacturers:

   a. ASSA ABLOY ACCENTRA (YA) - 7000 Series.
   b. ~~Corbin Russwin Hardware (RU) - ED4000 / ED5000 Series.~~
   c. Sargent Manufacturing (SA) - 80 Series.
   d. Von Duprin (VD) - 35A/99 XP Series. (ADDENDUM 3)

2.12 SURFACE DOOR CLOSERS

A. All door closers specified herein shall meet or exceed the following criteria:

1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
3. ~~Cycle Testing: Provide closers which have surpassed 15 million cycles.~~ (ADDENDUM 3)
4. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
6. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
7. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.

B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.

1. Heavy duty surface mounted door closers shall have a 30-year warranty.

2. Manufacturers:

   a. ~~ASSA ABLOY ACCENTRA (YA) - 4400 Series.~~
   b. ~~Corbin Russwin Hardware (RU) - DC6000 Series.~~
   c. LCN Closers (LC) - 4040 Series.
   d. Norton Rixson (NO) - 7500 Series.
   e. Sargent Manufacturing (SA) - 351 Series.
   f. Dormakaba (ADDENDUM 3)

C. Door Closers, Surface Mounted (Unitrol): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted closers with door stop mechanism to absorb dead stop shock on arm and top hinge. Hold-open arms to have a spring loaded mechanism in addition to shock absorber assembly. Arms to be provided with rigid steel main arm and secondary arm lengths proportional to the door width.

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1. Manufacturers:

    a. LCN Closers (LC) - 4040 Series.
    b. Norton Rixson (NO) - 7500 Series.
    c. Sargent Manufacturing (SA) - 351 Series.
    d. Dormakaba (ADDENDUM 3)

2.13 ARCHITECTURAL TRIM

A. Door Protective Trim

1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
3. Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.
4. Protection Plates: ANSI/BHMA A156.6 protection plates (kick, armor, or mop), fabricated from the following:

    a. Stainless Steel: 300 grade, 050-inch thick.

5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
6. Manufacturers:

    a. Burns Manufacturing (BU).
    b. Rockwood (RO).
    c. Trimco (TC).
    d. Don-Jo (ADDENDUM 3)

2.14 DOOR STOPS AND HOLDERS

A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.

B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.

1. Manufacturers:

    a. Burns Manufacturing (BU).
    b. Rockwood (RO).
    c. Trimco (TC).
    d. Don-Jo (ADDENDUM 3)

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C. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.

1. Manufacturers:

a. dormakaba (DO).
b. Norton Rixson (RF).
c. Rockwood (RO).
d. Sargent Manufacturing (SA).

2.15 ARCHITECTURAL SEALS

A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.

1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.

C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.

1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.

D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.

E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

F. Manufacturers:

1. National Guard Products (NG).
2. Pemko (PE).
3. Reese Enterprises, Inc. (RE).

2.16 ELECTRONIC ACCESSORIES

A. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design

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complete with armored flex cabling. Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.

1. Manufacturers:

    a. Sargent Manufacturing (SA) - 3280 Series.
    b. Security Door Controls (SD) - DPS Series.
    c. Securitron (SU) - DPS Series.

B. Switching Power Supplies: Provide the least number of power supplies at the appropriate amperage level sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1. Manufacturers:

    a. Altronix (AS) - Maximal 3.
    b. Life Safety Power (LP).
    c. Securitron (SU) - AQD Series.

C. Intelligent Switching Power Supplies: Provide the least number of power supplies at the appropriate amperage level sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1. Manufacturers:

    a. Altronix (AS) – Maximal 11F.
    b. Life Safety Power (LP).
    c. Securitron (SU) - AQL Series.

2.17 FABRICATION

A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.18 FINISHES

A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.

B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware

C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

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PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.

B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.

1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.

B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:

1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.

C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

D. Push Plates and Door Pulls: When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.

E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."

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F. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 FIELD QUALITY CONTROL

A. Field Inspection (Punch Report): Reference Division 01 Sections “Closeout Procedures”. Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.

1. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.

3.5 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.6 CLEANING AND PROTECTION

A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.

B. Clean adjacent surfaces soiled by door hardware installation.

C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

1. Quantities listed are for each pair of doors, or for each single door.

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2. The supplier is responsible for handing and sizing all products.
3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
4. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.

B. Manufacturer's Abbreviations:

1. MK - McKinney
2. PE - Pemko
3. SA - SARGENT
4. SU - Securitron
5. RO - Rockwood
6. YA - ASSA ABLOY ACCENTRA
7. MC - Medeco
8. RF - Rixson
9. LC - LCN
10. OT – Other

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Hardware Sets

Set: 1.0

Doors: 100, 110

1 Continuous Hinge	CFM_SLF-HD1 EL-CEPTx32D		PE
1 Electric Power Transfer	EL-CEPT 61SE		SU
1 Rim Exit Device, Storeroom	LC 55 56 8804 ETJ Less Pull	US32D	SA
1 Medeco Core (By Owner)	As required	26	MC
1 Rim Cylinder	1193 Temp Core-6 pin	626	YA
1 Surface Closer	4040XP	689	LC
1 Drop Plate	4040XP		LC
1 Shoe	4040XP		LC
1 Spacer	4040XP		LC
1 Gasketing	By Alum Door Manu.		OT
1 Sweep	345C		PE
1 Threshold	171A		PE
1 Card Reader	Provided by Security Provider		OT
1 Position Switch	Provided by Security Provider		OT
1 Power Supply	Provided by Security Provider		OT
1 Wiring Diagrams	Elevation & Point-to-Point		OT

Notes: System Operational Narrative:
- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 2.0

Doors: 111

3 Hinge, Full Mortise, Hvy Wt	T4A3386 NRP 4-1/2” x 4-1/2”	US32D	MK
1 Electric Power Transfer	EL-CEPT	630	SU
1 Fail Secure Exit Device	LC 55 56 8804 ETJ	US32D	SA
1 Medeco Core (By Owner)	As required	26	MC
1 Rim Cylinder	1193 Temp Core-6 pin	626	YA
1 Surface Closer	4040XP SCUSH TBSRT	689	LC
1 Kick Plate	K1050 8" x 34” CSK	US32D	RO
1 Gasketing	303DS		PE
1 Rain Guard	346C		PE
1 Sweep	345C		PE

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1 Threshold	171A	PE
1 ElectroLynx Harness	QC-C300	MK
1 ElectroLynx Harness	QC-C1500	MK
1 Card Reader	Provided by Security Provider	OT
1 Position Switch	Provided by Security Provider	OT
1 Power Supply	Provided by Security Provider	OT
1 Wiring Diagrams	Elevation & Point-to-Point	OT

Notes: System Operational Narrative:
- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 3.0

Doors: 120

6 Hinge, Full Mortise	TA2314 NRP 4-1/2” x 4-1/2”	US32D	MK
2 Flush Bolt	555	US4	RO
1 Dust Proof Strike	570	US4	RO
1 Mortise Lockset	LC 8804 OJ	US32D	SA
1 Medeco Core (By Owner)	As required	26	MC
1 Rim Cylinder	1193 Temp Core-6 pin	626	YA
1 Surf Overhead Holder/Stop	10-336	689	RF
1 Surface Closer	4040XP SCUSH TBSRT	689	LC
2 Kick Plate	K1050 8" x 34” CSK	US32D	RO
1 Astragal	S771C		PE
1 Gasketing	303DS x 72” x 84”		PE
1 Rain Guard	346C		PE
2 Sweep	345C		PE
1 Threshold	171A		PE
2 Position Switch	Provided by Security Provider		OT

Set: 4.0

Doors: 105

1 Continuous Hinge	CFM_SLF-HD1		PE
1 Door Pull	BF157	US32D	RO
1 Push Bar	BP47	US32D	RO
1 Surface Closer	4040XP	US32D	LC
1 Drop Plate	4040CP	US32D	LC

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1 Wall Stop	403	US26D	RO

Set: 5.0

Doors: 108

2 Hinge, Full Mortise	TA2714 NRP 4-1/2” x 4-1/2”	US32D	MK
1 Hinge, Full Mortise	TA2714 QC12 4-1/2” x 4-1/2”	US32D	MK
1 Electromechanical Lock Fail Secure Lock	LC RX 8271-24V OJ	US26D	SA
1 Mortise Cylinder	2196	626	YA
1 Surface Closer	4040XP SCUSH TBSRT	US32D	LC
1 Kick Plate	K1050 8" high CSK	US32D	RO
1 Gasketing	303DS 36” x 84”		PE
1 Sweep	345DV x 36”		PE
1 ElectroLynx Harness	QC-C300		MK
1 ElectroLynx Harness	QC-C1500		MK
1 Door Bottom	345DVx36” TKSP		PE
1 Position Switch	Provided by Security Provider		OT
1 Power Supply	Provided by Security Provider		OT
1 Wiring Diagrams	Provided by Security Provider		OT

Notes: System Operational Narrative:
- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 6.0

Doors: 112, 115

4 Hinge, Full Mortise	TA2714 4-1/2” x 4-1/2”	US32D	MK
2 Hinge, Full Mortise	TA2714 QC12 4-1/2” x 4-1/2”	US32D	MK
2 Electromechanical Lock Fail Secure Lock	LC RX 8271-24V OJ	US26D	SA
2 Mortise Cylinder	2196 Temp Core-6 pin	626	YA
2 Surface Closer	4040XP SCUSH TBSRT	US32D	LC
2 Kick Plate	K1050 8” x 34”	US32D	RO
6 Silencer	608-RKW		RO
1 ElectroLynx Harness	QC-C300		MK
1 ElectroLynx Harness	QC-C1500		MK
1 Card Reader	Provided by Security Provider		OT
1 Position Switch	Provided by Security Provider		OT
1 Power Supply	Provided by Security Provider		OT
1 Wiring Diagrams	Provided by Security Provider		OT

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Notes: System Operational Narrative:
- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

Set: 7.0

Doors: 104B

3 Hinge, Full Mortise	TA2714 4-1/2” x 4-1/2”	US32D	MK
1 Storeroom Mortise Lock	LC 8204 OJ	US26D	SA
1 Mortise Cylinder	2196 Temp Core-6 pin	626	YA
1 Wall Stop	409	US32D	RO
3 Silencer	608-RKW		RO

Set: 8.0

Doors: 104A

6 Hinge, Full Mortise	TA2714 4-1/2” x 4-1/2”	US26D	MK
2 Flush Bolt	555	US26D	RO
1 Dust Proof Strike	570	US26D	RO
1 Dormitory/Exit Mortise Lock	LC 8225 OJ	US26D	SA
2 Mortise Cylinder	2196 Temp Core-6 pin	626	YA
2 Surf Overhead Holder/Stop	10-336	689	RF
2 Kick Plate	K1050 8" x 34”	US32D	RO
2 Silencer	608-RKW		RO

Set: 9.0

Doors: 101

3 Hinge, Full Mortise	TA2714 4-1/2” x 4-1/2”	US26D	MK
1 Classroom Mortise Lock	LC 8237 OJ	US26D	SA
1 Mortise Cylinder	2196 Temp Core-6 pin	626	YA
1 Surface Closer	4040XP RWPA TBSRT	US32D	LC
1 Wall Stop	409	US32D	RO
3 Gasketing	S88BL17’		PE

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Set: 10.0

Doors: 106

3 Hinge, Full Mortise	TA2714 4-1/2” x 4-1/2”	US26D	MK
1 Classroom Mortise Lock	LC 8237 OJ	US26D	SA
1 Mortise Cylinder	2196 Temp Core-6 pin	626	YA
1 Conc Overhead Stop	6-336	689	RF
3 Silencer	608-RKW		RO

Set: 11.0

Doors: 102, 103

6 Hinge, Full Mortise	TA2714 4-1/2” x 4-1/2”	US26D	MK
2 Privacy Mortise Lock	V21 8266 OJ	US26D	SA
2 Kick Plate	K1050 8" x 34”	US32D	RO
2 Mop Plate	K1050 4" x 34”	US32D	RO
2 Door Stop	409	US32D	RO
6 Silencer	608-RKW		RO

Set: 12.0

Doors: 113, 114

6 Hinge, Full Mortise	TA2714 4-1/2” x 4-1/2”	US26D	MK
2 Classroom Mortise Lock	LC 8237 OJ	US26D	SA
2 Mortise Cylinder	2196	626	YA
2 Wall Stop	409	US32D	RO
6 Silencer	608-RKW		RO

Set: 13.0

Doors: 111A, 111B, 111C

			OT
1 All Hardware	By Door Manufacturer		

Set: 14.0

Doors: 104D

3 Hinge, Full Mortise	TA2314 NRP 4-1/2” x 4-1/2”	US32D	MK
1 Rim Exit Device Exit Only	8810 EO	US32D	SA
1 Surface Closer	4040XP SCUSH TBSRT	US32D	LC
1 Kick Plate	K1050 8” x 34”	US32D	RO
1 Threshold	171A x 36”		PE

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1 Gasketing	303DS x 36” x 84”		PE
1 Sweep	34DV x 36”		PE
1 Door Position Switch	DPS- By Others		OT

Set: 15.0

Doors: 104C

3 Hinge, Full Mortise	TA2714 4-1/2” x 4-1/2”	US26D	MK
1 Privacy Mortise Lock	V21 8266 OJ	US26D	SA
1 Kick Plate	K1050 8" x 34”	US32D	RO
1 Mop Plate	K1050 4" x 34”	US32D	RO
1 Door Stop	441	US26D	RO
3 Silencer	608-RKW		RO

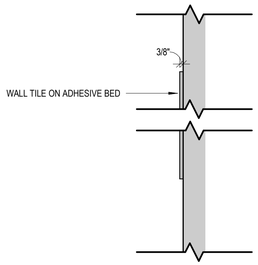
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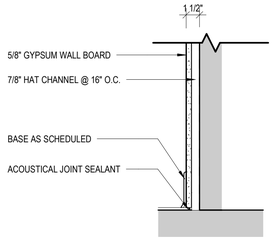
3 Hinge, Full Mortise	TA2714 4-1/2” x 4-1/2”	US26D	MK
1 Classroom Mortise Lock	LC 8237 OJ	US26D	SA
1 Mortise Cylinder	2196	626	YA
1 Surface Closer	4040CP RWPA TBSRT	689	LC
1 Kick Plate	K1050	US32D	RO
1 Wall Stop	409	US32D	RO
1 Gasket	S88BL 17’		PE

END OF SECTION 08 7100

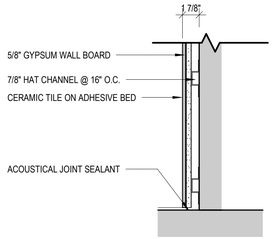
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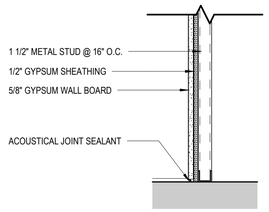
1 G104 TYPE A1
1 1/2" = 1'-0"



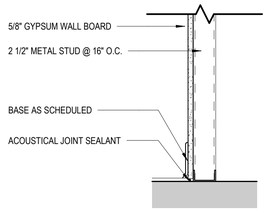
2 G104 TYPE A2
1 1/2" = 1'-0"



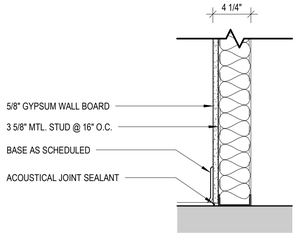
3 G104 TYPE A3
1 1/2" = 1'-0"



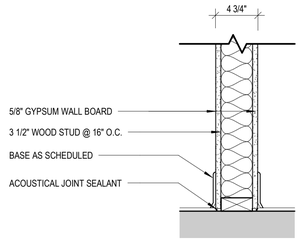
4 G104 TYPE A4
1 1/2" = 1'-0"



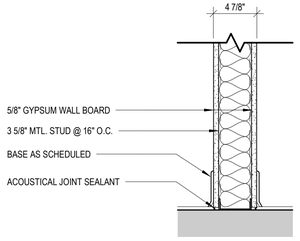
5 G104 TYPE A5
1 1/2" = 1'-0"



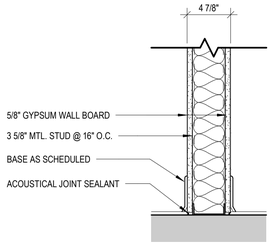
6 G104 TYPE B1
1 1/2" = 1'-0"



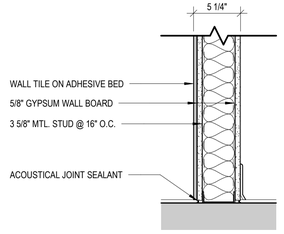
7 G104 TYPE B2
1 1/2" = 1'-0"



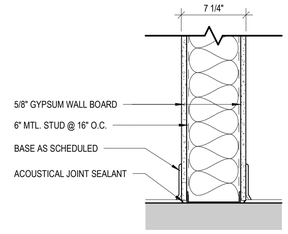
8 G104 TYPE B3
1 1/2" = 1'-0"



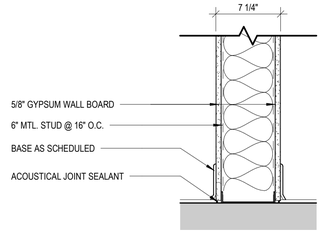
9 G104 TYPE B4 - 1 HR FIRE RATED
1 1/2" = 1'-0"



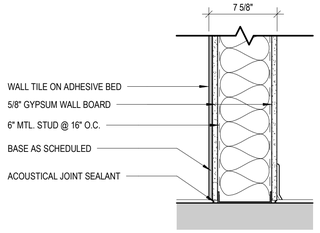
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1 1/2" = 1'-0"



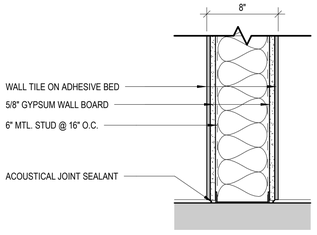
11 G104 TYPE C1
1 1/2" = 1'-0"



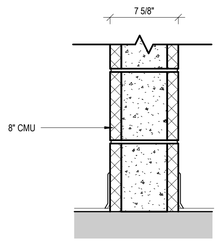
12 G104 TYPE C2 - 1 HR FIRE RATED - UL U 419
1 1/2" = 1'-0"



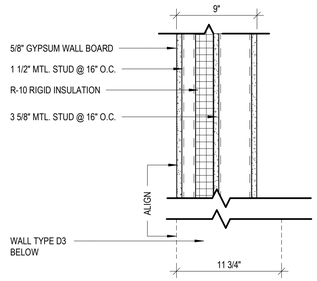
13 G104 TYPE C3 - 1 HR FIRE RATED - UL U 419
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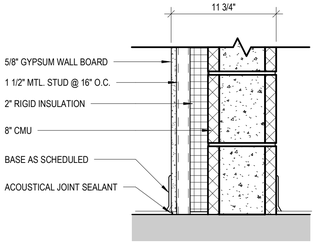
14 G104 TYPE C4
1 1/2" = 1'-0"



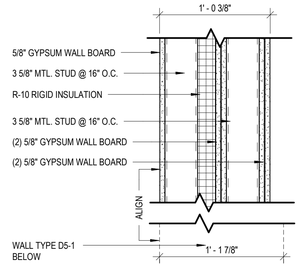
15 G104 TYPE D1
1 1/2" = 1'-0"



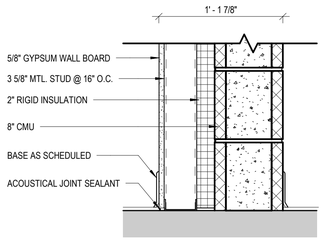
16 G104 TYPE D2
1 1/2" = 1'-0"



17 G104 TYPE D3
1 1/2" = 1'-0"

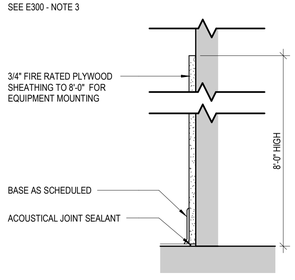


18 G104 TYPE D4
1 1/2" = 1'-0"



19 G104 TYPE D5-1 / D5-2
1 1/2" = 1'-0"

2



20 G104 TYPE A1-1
1 1/2" = 1'-0"

2

INTERIOR WALL SCHEDULE

TYPE	THICKNESS	COMPOSITION	HEIGHT	RATING	COMMENTS
A1	3/8"	1 LAYER CERAMIC TILE ON ADHESIVE BED			SEE ELEVATIONS FOR DETAILS
A1-1	3/4"	1 LAYER 3/4"FIRE RATED PLYWOOD SHEATHING	TO 8'-0"		SEE SHEET E300 - NOTE 3
A2	1 1/2"	1 LAYER 5/8" GWB, 7/8" HAT CHANNEL	6" ABOVE CEILING		
A3	1 7/8"	1 LAYER 5/8" GWB, 7/8" HAT CHANNEL, CERAMIC TILE ON ADHESIVE BED	6" ABOVE CEILING		TILE STOPS AT BATHROOM CEILING
A4	2 5/8"	1 LAYER 5/8" GWB, 2" HIGH HAT CHANNEL @ 16" O.C.	6" ABOVE CEILING		
A5	3 1/8"	1 LAYER 5/8" GWB, 2 1/2" METAL STUDS @ 16" O.C.	6" ABOVE CEILING		
B1-1	4 1/4"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C.	6" ABOVE CEILING		
B1-2	4 1/4"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C.	TO DECK		SOFFIT
B2	4 3/4"	1 LAYER 5/8" GWB, 3 1/2" WOOD STUDS @ 16" O.C., 1 LAYER 5/8" GWB	SEE 2/A511		
B3-1	4 7/8"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C., 1 LAYER 5/8" GWB	6" ABOVE CEILING		
B3-2	4 7/8"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C., 1 LAYER 5/8" GWB	TO DECK		
B4	4 7/8"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C., 1 LAYER 5/8" GWB	TO DECK	1/2 HR	
B5	5 1/4"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C., 1 LAYER 5/8" CBB, CERAMIC TILE	TO DECK		TILE STOPS AT BATHROOM CEILING
C1	7 1/4"	1 LAYER 5/8" GWB, 6" METAL STUDS @ 16" O.C., 1 LAYER 5/8" GWB	TO DECK		
C2	7 1/4"	1 LAYER 5/8" GWB, 6" METAL STUDS @ 16" O.C., 1 LAYER GWB	TO DECK	1/2 HR	
C3	7 5/8"	CERAMIC TILE, 1 LAYER 5/8" CBB, 6" METAL STUDS @ 16" O.C., 1 LAYER 5/8" CWB	TO DECK	1/2 HR	TILE STOPS AT BATHROOM CEILING
C4	8"	CERAMIC TILE, 1 LAYER 5/8" CBB, 6" METAL STUDS @ 16" O.C., 1 LAYER 5/8" CWB, CERAMIC TILE	TO DECK		TILE STOPS AT BATHROOM CEILING
D1	7 5/8"	8" CMU	TO DECK		
D2	9"	1 LAYER OF 5/8" GWB, 3 5/8" METAL STUDS @16" O.C., LAYER OF 5/8" GWB, 2" RIGID INSUL, 1 1/2" METAL STUDS @16" O.C., 1 LAYER OF 5/8" GWB	SEE WALL SECTION		
D3	11 3/4"	8" CMU, 2" RIGID INSUL, 1 1/2" METAL STUDS @ 16" O.C., 1 LAYER OF 5/8" GWB	14' HIGH		
D4	1' - 0 3/8"	2 LAYERS OF 5/8" GWB, 3 5/8" METAL STUDS @16" O.C., 2 LAYERS OF 5/8" GWB, 2" RIGID INSUL, 3 5/8" METAL STUDS @16" O.C., 1 LAYER OF 5/8" GWB	SEE WALL SECTION		
D5-1	1' - 1 7/8"	8" CMU, 2" RIGID INSUL, 3 5/8" METAL STUDS @16" O.C., 1 LAYER OF 5/8" GWB	14' HIGH		
D5-2	1' - 1 7/8"	8" CMU, 2" RIGID INSUL, 3 5/8" METAL STUDS @16" O.C., 1 LAYER OF 5/8" GWB	TO DECK		

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PROJECT INFORMATION

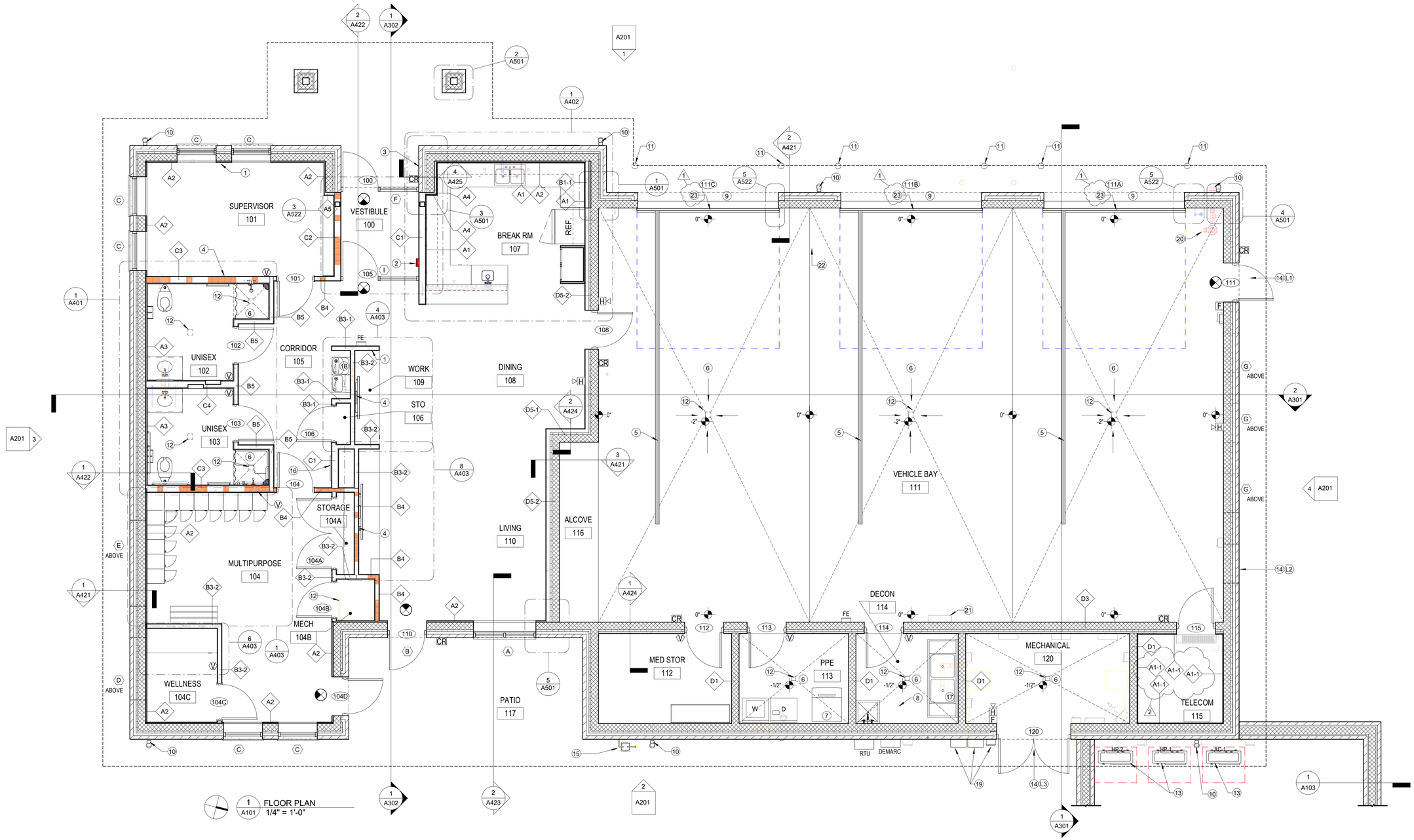
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DATE:	08/17/2026
DRAWN BY:	NA
CHECKED BY:	EMS

REVISIONS

NO.	DESCRIPTION	DATE
2	ADDENDUM 3	09/17/2026

SHEET INFORMATION

G104
INTERIOR WALL TYPES



1 A101 FLOOR PLAN
1/4" = 1'-0"

GENERAL KEY NOTES

KEY	DESCRIPTION
1	TIME CLOCK - COORDINATE EXACT LOCATION WITH OWNER
2	FACP - SEE FIRE ALARM SHEETS
3	(1) KNOX BOX - RECESSED MOUNT - COORDINATE WITH ELECTRICAL AND SECURITY FOR TAMPER SWITCH
4	WALL MOUNTED TV/MONITOR - COORDINATE POWER AND DATA - SEE ELECTRICAL DRAWINGS
5	4" WIDE YELLOW PAINTED STRIPE - COORDINATE IN FIELD W/ OWNER AND ARCHITECT
6	SLOPE FLOOR TO DRAIN
7	ICE MAKER
8	EMERGENCY EYE WASH - SEE PLUMBING
9	PRESENCE DETECTORS (ABOVE)
10	DOWNSPOUTS TO BELOW GRADE DRAINAGE - SEE SITE/CIVIL DRAWINGS
11	6" DIA. SCHEDULE 40 GALV. STEEL PIPE FILLED W/ CONCRETE W/ POST GUARD PVC SLEEVE AND CAP - SEE DETAIL C9.01
12	FLOOR DRAIN - SEE PLUMBING DRAWINGS
13	HVAC EQUIPMENT - SEE MECHANICAL DRAWINGS
14	LOUVER ABOVE
15	GAS METER, SEE P201
16	ELECTRICAL PANEL, SEE E201
17	SS-1, SCULLERY SINK, SEE P001
18	EWC-1 ELECTRIC WATER COOLER, SEE P001
19	ELECTRICAL EQUIPMENT - SEE ELECTRICAL DRAWINGS
20	FIRE RISER - SEE PLUMBING DRAWINGS
21	CONTROLS PANEL - SEE ELECTRICAL
22	GREASE TRAP - SEE PLUMBING DRAWINGS
23	SECTIONAL DOOR CONTRACTOR MUST RESPOND TO SERVICE CALLS WITHIN 1-HOUR AND EMERGENCY WARRANTY ITEMS WITHIN 24-HOURS.

INTERIOR WALL SCHEDULE

TYPE	THICKNESS	COMPOSITION	HEIGHT	RATING	COMMENTS
A1	3/8"	1 LAYER CERAMIC TILE ON ADHESIVE BED			SEE ELEVATIONS FOR DETAILS
A1-1	3/4"	1 LAYER 3/4"FIRE RATED PLYWOOD SHEATHING	TO 8'-0"		SEE SHEET E300 - NOTE 3
A2	1 1/2"	1 LAYER 5/8" GWB, 7/8" HAT CHANNEL	6" ABOVE CEILING		
A3	1 7/8"	1 LAYER 5/8" GWB, 7/8" HAT CHANNEL, CERAMIC TILE ON ADHESIVE BED	6" ABOVE CEILING		TILE STOPS AT BATHROOM CEILING
A4	2 5/8"	1 LAYER 5/8" GWB, 2" HIGH HAT CHANNEL @ 16" O.C.	6" ABOVE CEILING		
A5	3 1/8"	1 LAYER 5/8" GWB, 2 1/2" METAL STUDS @ 16" O.C.	6" ABOVE CEILING		
B1-1	4 1/4"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C.	6" ABOVE CEILING		
B1-2	4 1/4"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C.	TO DECK		SOFFIT
B2	4 3/4"	1 LAYER 5/8" GWB, 3 1/2" WOOD STUDS @ 16" O.C., 1 LAYER 5/8" GWB	SEE 2/A511		
B3-1	4 7/8"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C., 1 LAYER 5/8" GWB	6" ABOVE CEILING		
B3-2	4 7/8"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C., 1 LAYER 5/8" GWB	TO DECK		
B4	4 7/8"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C., 1 LAYER 5/8" GWB	TO DECK	1/2 HR	
B5	5 1/4"	1 LAYER 5/8" GWB, 3 5/8" METAL STUDS @ 16" O.C., 1 LAYER 5/8" CBB, CERAMIC TILE	TO DECK		TILE STOPS AT BATHROOM CEILING
C1	7 1/4"	1 LAYER 5/8" GWB, 6" METAL STUDS @ 16" O.C., 1 LAYER 5/8" GWB	TO DECK		
C2	7 1/4"	1 LAYER 5/8" GWB, 6" METAL STUDS @ 16" O.C., 1 LAYER GWB	TO DECK	1/2 HR	
C3	7 5/8"	CERAMIC TILE, 1 LAYER 5/8" CBB, 6" METAL STUDS @ 16" O.C., 1 LAYER 5/8" CWB	TO DECK	1/2 HR	TILE STOPS AT BATHROOM CEILING
C4	8"	CERAMIC TILE, 1 LAYER 5/8" CBB, 6" METAL STUDS @ 16" O.C., 1 LAYER 5/8" CWB, CERAMIC TILE	TO DECK		TILE STOPS AT BATHROOM CEILING
D1	7 5/8"	8" CMU	TO DECK		
D2	9"	1 LAYER OF 5/8" GWB, 3 5/8" METAL STUDS @16" O.C., LAYER OF 5/8" GWB, 2" RIGID INSUL, 1 1/2" METAL STUDS @16" O.C., 1 LAYER OF 5/8" GWB	SEE WALL SECTION		
D3	11 3/4"	8" CMU, 2" RIGID INSUL, 1 1/2" METAL STUDS @ 16" O.C., 1 LAYER OF 5/8" GWB	14' HIGH		
D4	1' - 0 3/8"	2 LAYERS OF 5/8" GWB, 3 5/8" METAL STUDS @16" O.C., 2 LAYERS OF 5/8" GWB, 2" RIGID INSUL, 3 5/8" METAL STUDS @16" O.C., 1 LAYER OF 5/8" GWB	SEE WALL SECTION		
D5-1	1' - 1 7/8"	8" CMU, 2" RIGID INSUL, 3 5/8" METAL STUDS @16" O.C., 1 LAYER OF 5/8" GWB	14' HIGH		
D5-2	1' - 1 7/8"	8" CMU, 2" RIGID INSUL, 3 5/8" METAL STUDS @16" O.C., 1 LAYER OF 5/8" GWB	TO DECK		

WALL LEGEND

- GYPSUM BOARD CONSTRUCTION
- 1/2 HR FIRE BARRIER UL U419
- CMU CONSTRUCTION
- FE — FIRE EXTINGUISHER CABINET WITH EXTINGUISHER
- FACP — WALL MOUNTED FIRE ALARM CONTROL PANEL
- F — WALL MOUNTED FIRE ALARM PULL STATION
- V — FIRE ALARM STROBE DEVICE
- H — FIRE ALARM HORN/STROBE DEVICE
- CR — CARD READER

NOTES

1. ALL DIMENSIONS ARE TO FINISHED FACE OF WALL.
2. COORDINATE AND PROVIDE BACKING/BLOCKING FOR MILLWORK, FURNITURE, EQUIPMENT, AND OTHER ITEMS ATTACHED OR MOUNTED TO WALLS OR CEILINGS.
3. LOCATE DOOR OPENINGS 6" OFF PERPENDICULAR WALL, U.O.N.
4. FINISH WALL TO FLOOR FOR BASE ADHESION.
5. CMU EXTERIOR WALLS IN MULTIPURPOSE, MENS AND WOMEN'S ROOMS, SUPERVISOR'S OFFICE, KITCHEN, DINING AND LIVING ROOMS ARE FURRED OUT WITH 7/8" HAT CHANNELS @ 16" O.C. AND 5/8" GYPSUM BOARD - PAINTED.

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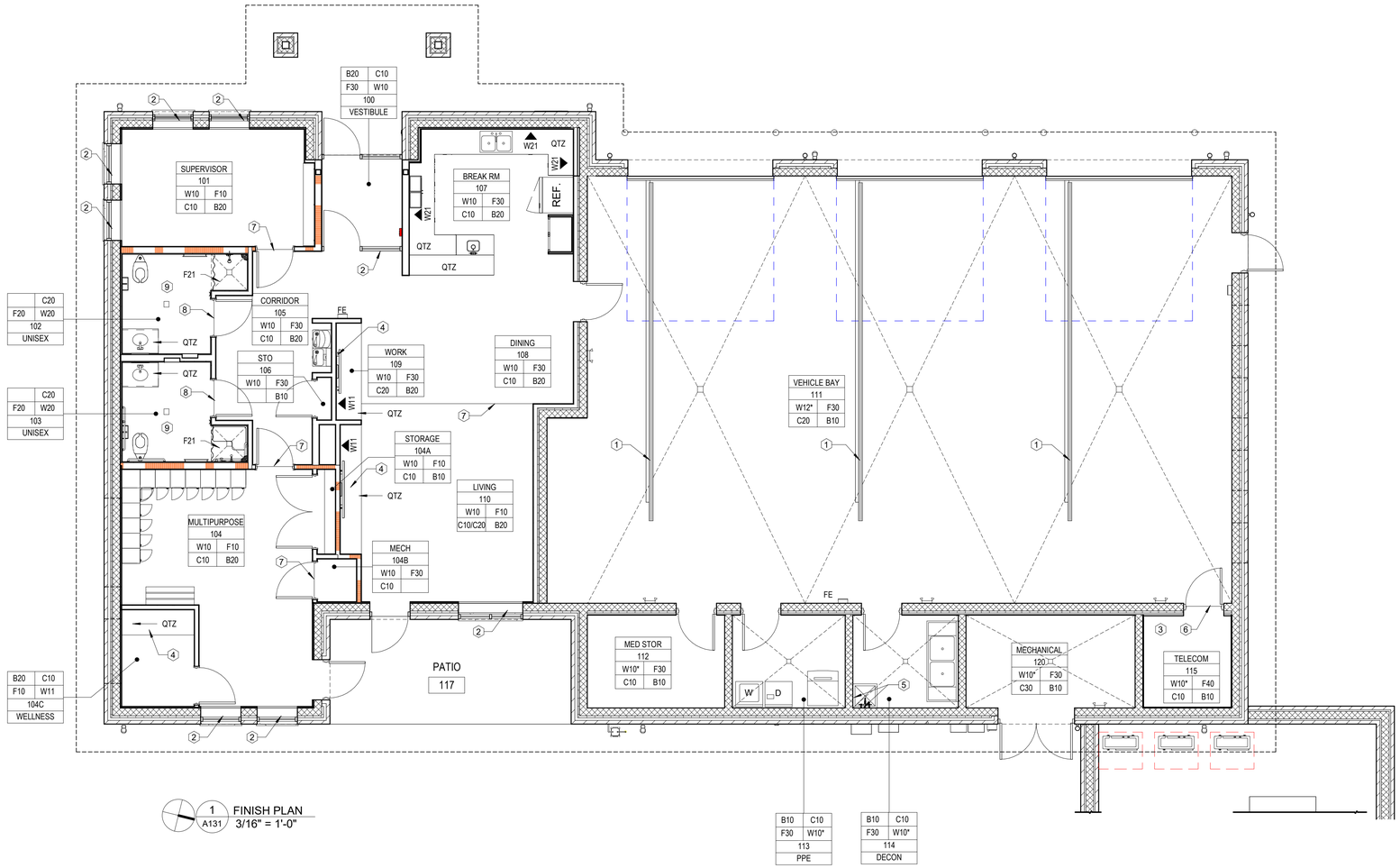
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DATE:	08/17/2026
DRAWN BY:	EMS
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REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM 1	09/01/2026
2	ADDENDUM 3	09/17/2026

SHEET INFORMATION

A101
FLOOR PLAN



1 A131 FINISH PLAN
3/16" = 1'-0"

FINISH SCHEDULE

ROOM NAME — ROOM ### — ROOM NUMBER
WALL FINISH — W## — F## — FLOOR FINISH
CEILING MATERIAL OR FINISH — C## — B## — WALL BASE MATERIAL

2

KEY	FLOOR MATERIAL	B.O.D.
F10	CARPET TILE	MOHAWK -EXPEDITION II -DIGITAL TERRAIN II GT879 -965 RAVINE -24"X24" VERT ASHLAR
F20	PORCELAIN TILE	DALTILE - REMINISCENT - SOUVENIR GRAY - 12"x24"
F21	PORCELAIN TILE	DALTILE - REMINISCENT - SOUVENIR GRAY - 2"x2" (SHOWERS)
F30	CONCRETE - CLEAR SEALED	POLISHED CONCRETE
F40	VCT - STATIC DISSIPATIVE	ARMSTRONG EXCELON STD 51959 FOSSIL GRAY
KEY	**BASE MATERIAL**	
B10	RUBBER BASE	ALLSTATE - 4" x 1/8" COVEBASE, A33
B20	RUBBER BASE	ALLSTATE - 4 1/4" x 1/4" CAVA BAJA, A33
KEY	**WALL MATERIAL**	
W10	PAINT	SW7004 - SNOWBOUND
W11	PAINT	SW9045 - BORA BORA SHORE
W12	PAINT	SW7064 - PASSIVE (UPPER); SW7067 - CITY SCAPE (LOWER)
W20	PORCELAIN WALL TILE	DALTILE - FABRIQUE - BLANC LINEN - 12"x24"
W21	PORCELAIN WALL TILE	BACKSPLASH - BEST TILE - COLOR COLLECTION - TENDER GRAY BRIGHT - 4X10 - MATTE
KEY	**CEILING MATERIAL**	
C10	ACOUSTICAL CEILING TILE	2'X2' ACT - ARMSTRONG ULTIMA HIGH NRC, BEVELED - TEGULAR 1941 - 1937
C20	GYPSUM BOARD	SW6252 - ICE CUBE
C30	OPEN AND PAINTED	SW6252 - ICE CUBE
KEY	**MISCELLANEOUS**	
QTZ	QUARTZ COUNTERTOP & SILL	SILESTONE - LAGOON - POLISHED
WD1	DOOR FRAME PAINT	SW7674 - PEPPERCORN
WD2	MAPLE WOOD VENEER DOOR	FORTE OPENING SOLUTIONS, ASPIRO SERIES, PLAIN SLICED WHITE MAPLE, CLEAR STAIN
M10	MILLWORK	JIM BISHOPS CABINETS, BIRCH, 'HI' SHEEN, COLOR - NATURAL. DOOR STYLE - PETERSBURG
PL10	PLASTIC LAMINATE	FORMICA - OYSTER GRAY - MATTE

KEYNOTES

1	PROVIDE (1) 4" YELLOW STRIPE AT EACH OVERHEAD DOOR - COORDINATE LOCATION IN FIELD WITH OWNER AND ARCHITECT
2	PROVIDE ROLLER WINDOW SHADES
3	PROVIDE 3/4" FIRE RETARDANT PLYWOOD SHEATHING AROUND ENTIRE TELECOM ROOM - SEE ELECTRICAL DRAWINGS - PAINT
4	PROVIDE GROMMETS IN COUNTER - FIELD VERIFY LOCATION W/ OWNER AND ARCHITECT PRIOR TO INSTALLATION
5	PROVIDE STAINLESS STEEL PANELS AT MOPSINK
6	REDUCER STRIP VCT TO POLISHED CONCRETE
7	REDUCER STRIP - CARPET TO POLISHED CONCRETE
8	MARBLE THRESHOLD
9	PROVIDE SCHLUTER TRIM AT WALL-TO-FLOOR TILE TRANSITION THROUGHOUT BATHROOM. B.O.D. - SCHLUTER DILEX-AHK BRUSHED CHROME ANODIZED ALUMINUM PROFILE

NOTES:

* INDICATES EPOXY FINISH, SEE SPECS
1. ALL PAINT TO BE LATEX EGGSHELL FINISH, U.O.N.
2. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL FINISH INFORMATION.
3. REFER TO MILLWORK DRAWINGS FOR ADDITIONAL MILLWORK FINISHES AND APPLICATIONS. FINISH PLANS INDICATE COUNTERTOP MATERIAL ONLY.
4. ALL FINISHES TO MEET "CLASS B" FLAME SPREAD REQUIREMENTS ("CLASS A" IN A NON-SPRINKLERED BUILDING) PER NC STATE BUILDING CODE CHAPTER 8.
5. HOLLOW METAL DOOR FRAMES AND DOORS TO BE PAINTED SW7674 PEPPERCORN SEMIGLOSS FINISH. EXCEPT EXTERIOR OF DOORS - MATCH STOREFRONT
6. WOOD DOORS TO HAVE A CLEAR FINISH.
7. EXPOSED STRUCTURE/DECKING AND DUCTWORK TO BE PAINTED C30, SPRAY APPLIED.
8. PAINT THE UNDERSIDE OF SOFFITS AND BULKHEADS THE SAME COLOR AS THAT SPECIFIED FOR THE FACE, U.O.N.
9. ALL WINDOW SILLS TO BE 1/2" QUARTZ - SILESTONE - LAGOON - POLISHED.

WALL LEGEND

- GYPSUM BOARD CONSTRUCTION
- 1/2 HR FIRE BARRIER UL U419
- CMU CONSTRUCTION
- FE — FIRE EXTINGUISHER CABINET WITH EXTINGUISHER
- FACP — WALL MOUNTED FIRE ALARM CONTROL PANEL
- F — WALL MOUNTED FIRE ALARM PULL STATION
- V — FIRE ALARM STROBE DEVICE
- H — FIRE ALARM HORN/STROBE DEVICE
- CR — CARD READER

NOTES

1. ALL DIMENSIONS ARE TO FINISHED FACE OF WALL.
2. COORDINATE AND PROVIDE BACKING/BLOCKING FOR MILLWORK, FURNITURE, EQUIPMENT, AND OTHER ITEMS ATTACHED OR MOUNTED TO WALLS OR CEILINGS.
3. LOCATE DOOR OPENINGS 6" OFF PERPENDICULAR WALL, U.O.N.
4. FINISH WALL TO FLOOR FOR BASE ADHESION.
5. CMU EXTERIOR WALLS IN MULTIPURPOSE, MENS AND WOMEN'S ROOMS, SUPERVISOR'S OFFICE, KITCHEN, DINING AND LIVING ROOMS ARE FURRED OUT WITH 7/8" HAT CHANNELS @ 16" O.C. AND 5/8" GYPSUM BOARD - PAINTED.

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ERIC M. SOWERS — Registered Architect — 9314 — North Carolina — Raleigh, NC

PROJECT INFORMATION

PROJECT NO.:	2506
PHASE:	BID SET
DATE:	08/17/2026
DRAWN BY:	HCK
CHECKED BY:	DGH

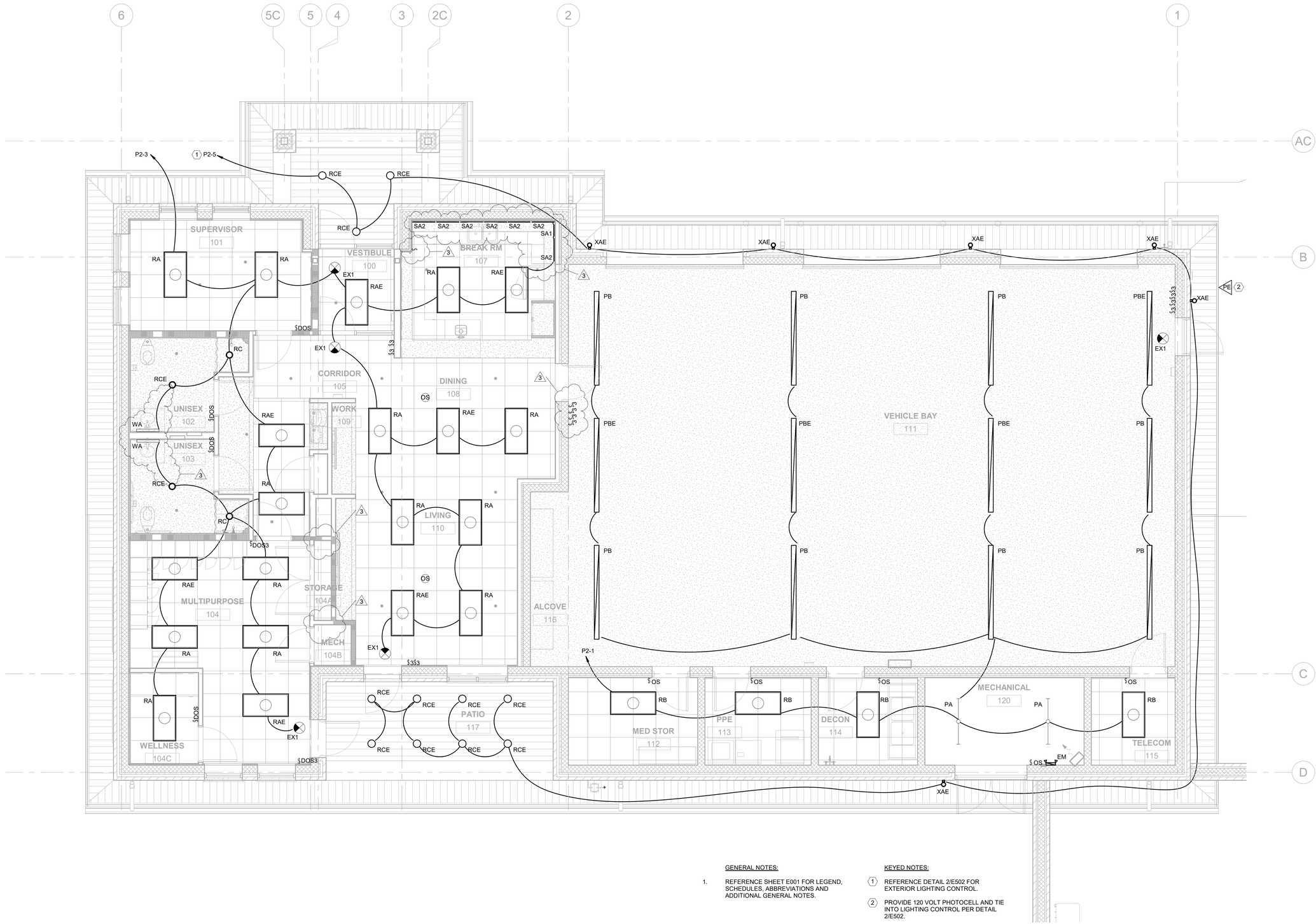
REVISIONS

NO.	DESCRIPTION	DATE
2	ADDENDUM 3	09/17/2026

SHEET INFORMATION

A131
FINISH PLAN

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GENERAL NOTES:

1. REFERENCE SHEET E001 FOR LEGEND, SCHEDULES, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.

KEYED NOTES:

(1) REFERENCE DETAIL 2/E502 FOR EXTERIOR LIGHTING CONTROL.

(2) PROVIDE 120 VOLT PHOTOCELL AND TIE INTO LIGHTING CONTROL PER DETAIL 2/E502.

1 / E200 ELECTRICAL LIGHTING NEW WORK
1/4" = 1'-0"

WALL LEGEND

- GYPSUM BOARD CONSTRUCTION
- 1/2 HR FIRE BARRIER UL U419
- 2 HR FIRE BARRIER UL U905
- CMU CONSTRUCTION

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NORTH CAROLINA PROFESSIONAL SEAL 19628 ENGINEER REGINALD D. ADAMS

09/15/2026

PROJECT INFORMATION

PROJECT NO.:	2506
PHASE:	BID SET
DATE:	08/17/26
DRAWN BY:	TAV
CHECKED BY:	RDA

REVISIONS

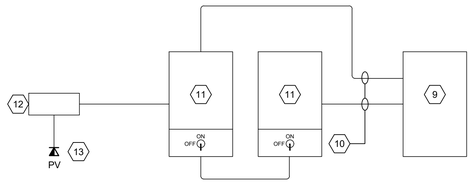
NO.	DESCRIPTION	DATE
3	ADDENDUM 3	9-17-2026

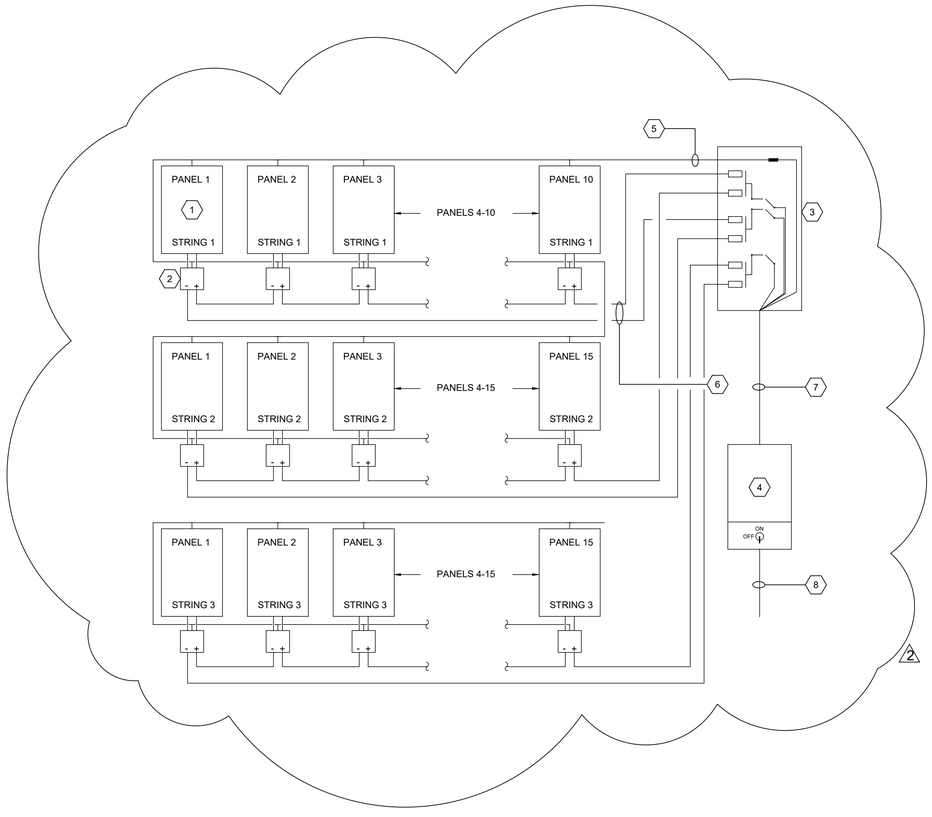
SHEET INFORMATION

E200

ELECTRICAL LIGHTING NEW WORK

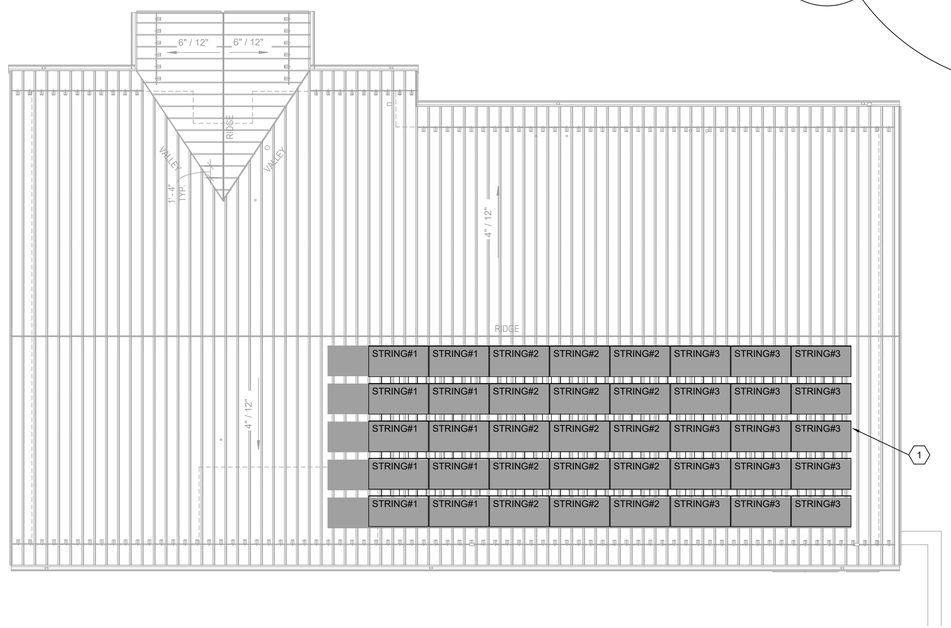
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NOTES KEYED TO SCHEMATIC:

1. 580 (MAX) WATT STC HIGH EFFICIENCY SOLAR PANEL. TYPICAL.
2. POWER OPTIMIZER.
3. DC COMBINER (IF REQUIRED).
4. 30.2 kW/17.3 kVA INVERTER.
5. #10 BARE COPPER GND CONDUCTOR (ON ROOF); IN CONDUIT INSIDE BUILDING.
6. 2#10 AWG DC CONDUCTORS IN 1" CONDUIT TO COMBINER.
7. 3#8 AWG CONDUCTORS IN 1" CONDUIT TO INVERTER.
8. CONDUCTOR FROM INVERTER TO PANEL "PV1" AS NOTED ON PANEL "PV1" SCHEDULE.
9. PROVIDE MANUFACTURER FURNISHED CTs AT EACH PV FEEDER IN MDP PANEL.
10. PROVIDE WIRING IN CONDUIT FROM CTs PER MANUFACTURER'S RECOMMENDATIONS.
11. CONNECT MONITOR WIRING AT BUILT-IN RGM IN EACH INVERTER.
12. CONTROL AND COMMUNICATION GATEWAY. WHERE MULTIPLE INVERTERS ARE PROVIDED, DAISY-CHAIN AND CONNECT TO GATEWAY.
13. CONNECT TO OWNER'S NETWORK.



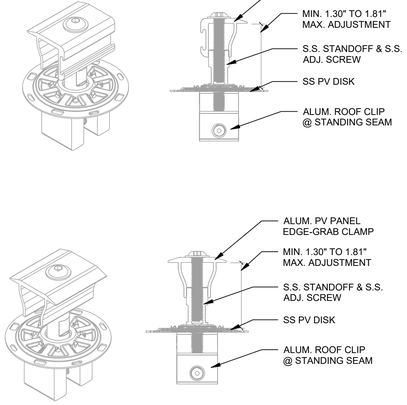
1 E202 ELECTRICAL ROOF PLAN
1/8"=1'-0"

GENERAL NOTES:

1. REFER TO DETAIL ABOVE FOR PV WIRING SCHEMATIC.
2. PV SYSTEM SHALL BE PROVIDED AS ADD ALTERNATE #1. ADD ALTERNATE PRICING SHALL INCLUDE ROOF MOUNTED PANELS, INVERTERS, COMBINER BOXES, EXTERIOR DISCONNECTS, PANEL PV1 AND ALL OTHER MINOR EQUIPMENT RELATED TO THE PV SYSTEM. PROVIDE PRICING ON BID FORM AS INDICATED.
3. AS PART OF BASE BID, PROVIDE ALL CONDUIT FOR THE ADDITION OF A FUTURE PV SYSTEM AT A LATER DATE. THIS SHALL INCLUDE 4-1"C.TO THE ROOF TO THE MAIN ELECTRICAL ROOM AS WELL AS ANY UNDERGROUND CONDUITS FROM THE PV DISCONNECT ON THE EXTERIOR OF THE BUILDING TO THE PROPOSED LOCATION OF PANELS PV1 AND MDP.
4. LOCATION OF PANELS SHALL BE COORDINATED WITH BOTH DIVISION 22 AND DIVISION 23 SUBCONTRACTOR PRIOR TO SUBMISSION OF SHOP DRAWINGS.

NOTES KEYED TO 1/E202:

1. NOMINAL 580 WATT PV PANEL. TYPICAL.



2 E202 PV PANEL FASTENER DETAILS
NO SCALE

THE PV INSTALLER SHALL PROCURE A SEPARATE PERMIT FOR ALL WORK RELATED TO THE PV SYSTEM INSTALLATION. 1

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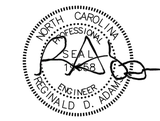
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WAKE COUNTY NORTH CAROLINA

SEALS



09/15/2026

PROJECT INFORMATION

PROJECT NO.:	2506
PHASE:	BID SET
DATE:	08/17/26
DRAWN BY:	RDA
CHECKED BY:	RDA

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM #2	9/4/2026
2	ADDENDUM #3	9/17/2026

SHEET INFORMATION

E202
ELECTRICAL ROOF PLAN