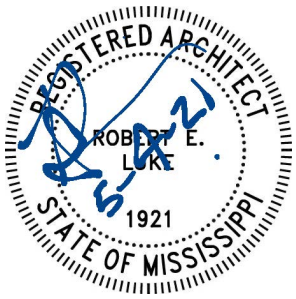
ADDENDUM NO. 3

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND HEREBY MODIFIES THE ORIGINAL CONSTRUCTION DOCUMENTS DATED MARCH 18, 2021 RESPECTIVELY.

_____
NAME OF COMPANY

_____
BY



PROJECT MANUAL

Item #1 **SECTION 263615 MANUAL TRANSFER SWITCH WITH DOCKING STATION**
ADD: The attached specification Section 263615 in its entirety.

Item #2 **APPENDIX (OWNER PROVIDED DOCUMENTS)**
ADD: Forensic Geotechnical Investigation report dated June 5, 2020 with Supplemental Borings report dated April 29, 2021 in its entirety.

DRAWINGS

Item #3 **CVR – COVER SHEET**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #4 **A100A – SITE PLAN - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #5 **A101A – FIRST FLOOR PLAN - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #6 **A102A – DIMENSION FLOOR PLAN - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #7 **A103A – MEZZANINE PLAN - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #8 **A104 – ROOF PLAN**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #9 **A104A – ROOF PLAN - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #10 **A105A – REFLECTED CEILING PLAN & DETAILS - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #11 **A201A – EXTERIOR ELEVATIONS - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #12 **A611 – OPENING SCHEDULE**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #13 **A611A – OPENING SCHEDULE**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #14 **F101A – INTERIOR FINISH PLAN - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #15 **S101 – FOUNDATION AND FLOOR FRAMING PLAN**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #16 **S102 – LEMA ROOF. GARAGE ROOF, AND MEZZANINE FRAMING PLANS**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #17 **S103 – ROOF FRAMING PLAN**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #18 **S104 – SITE WALL PLAN**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #19 **P101 – FLOOR PLAN – BELOW FLOOR PLUMBING**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #20 **P102 – FLOOR PLAN – PLUMBING SANITARY**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #21 **P103 – FLOOR PLAN – PLUMBING SUPPLY**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #22 **P104A – FLOOR PLAN – BELOW FLOOR PLUMBING - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #23 **P105A – FLOOR PLAN – PLUMBING SANITARY - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #24 **P106A – FLOOR PLAN – PLUMBING SUPPLY - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #25 **FP101 – FLOOR PLAN – FIRE PROTECTION**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #26 **FP102A – FLOOR PLAN – FIRE PROTECTION - ALTERNATES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #27 **M001 – HVAC LEGENDS, ABBREVIATIONS AND NOTES**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #28 **M101 – FIRST FLOOR HVAC PLAN – PART "A"**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #29 **M105 – MEZZANINE HVAC FLOOR PLAN**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #30 **M107 – FIRST FLOOR HVAC THERMOSTAT PLAN – PART "A"**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #31 **M111A – FIRST FLOOR HVAC PLAN – PART "A" – ALT 4**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #32 **M112A – FIRST FLOOR HVAC PLAN – PART "C" – ALT 4**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #33 **M113A – FIRST FLOOR THERMOSTAT PLAN – PART "A" – ALT 4**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #34 **M114A – FIRST FLOOR THERMOSTAT PLAN – PART "C" – ALT 4**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #35 **M115A – MEZZANINE HVAC FLOOR PLAN – ALT 4**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #36 **M116A – ROOF PLAN – HVAC – ALT 4**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #37 **M601 – HVAC SCHEDULES**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #38 **M602 – HVAC SCHEDULES**
REPLACE: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #39 **E101A – ELECTRICAL SITE PLAN LIGHTING, POWER AND COMMUNICATION SYSTEMS**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #40 **E206A – ELECTRICAL FLOOR PLANS ALTERNATE BID MEZZANINE LEVEL**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #41 **E207A – ELECTRICAL FLOOR PLAN ALTERNATE BID ADDITIONAL WORK LIGHTING SYSTEMS**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #42 **E208A – ELECTRICAL FLOOR PLAN ALTERNATE BID ADDITIONAL WORK POWER SYSTEMS**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #43 **E209A – ELECTRICAL FLOOR PLAN ALTERNATE BID ADDITIONAL WORK TELECOMM. & SPECIAL SYSTEMS**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

Item #44 **E303A – ELECTRICAL SCHEDULES**
ADD: Sheet in its entirety with Revision No. 2 dated April 30, 2021.

END OF ADDENDUM NO. 3

SECTION 263615
MANUAL TRANSFER SWITCH WITH DOCKING STATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. 3-Way Manual Transfer Switches with integral portable generator and load bank docking stations.

B. Related Sections:

1. Section 263213 “Diesel Emergency/Standby Engine Generators”
2. Section 263215 “Gaseous Emergency/Standby Engine Generators”

1.2 REFERENCE STANDARDS

A. ICS 1 - Industrial Control and Systems: General Requirements.

B. ICS 6 - Industrial Control and Systems: Enclosures.

C. ICS 10 - Industrial Control and Systems Part 1: Transfer Switch Equipment.

D. IEEE C62.62 - Standard Test Specifications for Surge-Protection Devices for Use on the Load Side of the Service Equipment in Low Voltage (1000 V and less) AC Power Circuits.

E. NECA 1 - Standard for Good Workmanship in Electrical Construction.

F. NFPA 70 - National Electrical Code (NEC).

G. NFPA 99 - Health Care Facilities.

H. NFPA 110 - Standard for Emergency and Standby Power Systems.

I. UL 489 - Molded-Case Circuit Breakers, Molded-Case Switches and Circuit Breaker Enclosures.

J. UL 508 - Standard for Industrial Control Equipment.

K. UL 869A - Standard for Reference Standard for Service Equipment.

L. UL 1008 - Transfer Switch Equipment.

1.3 DEFINITIONS

A. ATS: Automatic Transfer Switch.

B. EPS: Emergency Power Supply.

C EPSS: Emergency Power Supply System.

D. MTS: Manual Transfer Switch.

1.4 SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for transfer switches.
2. Include rated capacities, operating characteristics, electrical characteristics, and accessories.

B. Shop Drawings:

1. Include plans, elevations, sections, details showing minimum clearances, conductor entry provisions, gutter space and installed features and devices.
2. Include material list for each switch specified.
3. Single-Line Diagram: Show internal and external connections of transfer switch, power sources, and load; and interlocking provisions when applicable.

1.5 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For each type of product include emergency, operation, and maintenance manuals.

1.6 WARRANTY

A. Manufacturer’s Warranty: The manufacturer shall provide a standard one-year written warranty against defects in materials and workmanship for all products specified in this section. The warranty period shall begin on the Date of Final Acceptance

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Electrical Components, Devices and Accessories: Listed and labeled as defined in NFPA 70 (NEC), by a qualified testing agency, and marked for intended location and application.

B. Comply with NEMA ICS 1.

C. Comply with NFPA 110 and NFPA 99 when applicable.

D. Comply with UL 1008 unless requirements herein specified are stricter.

E. Indicated Current Ratings: Apply as defined in UL 1008 for continuous loading and total system transfer.

F. Tested Fault Current Closing and Short-Circuit Ratings: Adequate for duty imposed by protective devices at installation locations in Project under the fault conditions indicated, based on testing according to UL 1008.

1. The MTS shall have a fault current withstand rating as indicated on the drawings or if rating not indicated, the same rating as the KAIC rating of the normal service source panelboard in which connected.

G. Resistance to Damage by Voltage Transients: Components shall meet or exceed voltage-surge withstand capability requirements when tested according to IEEE C62.62. Components shall meet or exceed voltage-impulse withstand test of NEMA ICS 1.

H. Factory Wiring: Train and bundle factory wiring and label, consistent with Shop Drawings, by color-code or by numbered or lettered wire and cable with printed tape markers at terminations.

1. Designated Terminals: Pressure type, suitable for types and sizes of field wiring indicated.
2. Power-Terminal Arrangement and Field-Wiring Space: Suitable for top, side or bottom entrance of feeder conductors as indicated.
3. Control Wiring: Equipped with lugs suitable for connection to terminal strips.
4. Accessible via front access.

I. Enclosures: General-purpose NEMA 250, Type 1 or Type 3R as indicated or required for installed environment, complying with NEMA ICS 6 and UL 508.

2.2 MANUFACTURERS

A. Basis of Design: ESL Power Systems TripleSwitch Series.

B. Equal product by Asco, Russelectric, or equal approved by the Professional.

2.3 MANUAL TRANSFER SWITCH

A. Electrical Configuration: Shall be 3-way consisting of two mechanically-interlocked molded-case circuit breakers for connection and control of permanent and portable engine generators and one independent molded-case circuit breaker with shunt-trip for connection of load bank equipment. Equipment using key-locks for interlocks are not acceptable.

1. Input Connections for Portable Generator: Male cam-style connectors with ampere rating equal to switch rating.
2. Output Connections for Load Bank: Female cam-style connectors with ampere rating equal to switch rating.
3. Cam connectors must be located horizontally at the bottom of the unit>

B. Electrical Ratings:

1. Ampere Rating: As indicated on the Drawings. All breakers shall be 100% rated for indicated ampere rating.
2. Number of Poles: 3-pole with solid, fully rated neutral bus unless indicated otherwise.

C. Switch Characteristics: Designed for continuous-duty repetitive transfer of full-rated current between active power sources.

1. Conductor Connectors: Suitable for use with conductor material and sizes.
2. Material: Hard-drawn copper, 98 percent conductivity.
3. Main and Neutral Lugs: Mechanical type.
4. Ground Lugs and Bus-Configured Terminators: Mechanical type.
5. Ground bar.
6. Connectors shall be marked for conductor size and type according to UL 1008.

D. MTS Enclosure: Wall or Pad-Mounted enclosure as indicated on the Drawings, as specified herein or as required for switch rating.

1. Construction: Code-gauge galvanized steel with continuous-welded seams.
2. NEMA Rating: NEMA 3R unless indicated otherwise.
3. Door: Interlocked, hinged, full height of enclosure.
4. Portable Equipment Connections: Cam-style connectors with cable access via drawn flange cable entry openings in the bottom of the enclosure for wall-mounted enclosures or hinged lower flap door for pad-mounted encosures. A hinged flap door shall be provided to cover cable entry when cables are not connected.
5. Finish: Manufacturer's standard gray power-coat finish applied after fabrication.

E. Cam-Style Connectors: Male or female as specified, UL listed, single-pole, separable type.

1. Rating: 400 amperes at 600Vac.
2. Wire: Provide connectors for each phase, neutral and ground.
3. Number: Number of connectors per phase, neutral and ground as required to obtain indicated MTS switch rating.
4. Identification: Cam-style connectors shall be color-coded.
5. Connection: Phase and neutral connectors shall be factory-wired to the appropriated molded-case circuit breaker. Ground connector shall be bonded to the MTS enclosure and ground lug provided for connection to the facility equipment ground conductor.
6. Cam-style connectors shall not be accessible unless all three molded-case circuit breakers are in the OFF position and main access door is open.

F. Power Distribution Block: Provided for all load-side field wiring and factory-wired to the molded-case circuit breakers.

G. Circuit Breakers: UL listed, molded-case type, dead-front mounted.

1. Trip Rating: As indicated for the MTS.
2. Poles: 3- or 4-pole as indicated.
3. Voltage Rating: As required for connected systems.
4. K.A.I.C. Rating: Minimum 35 at 480Vac or as indicated.
5. Configuration: One circuit breaker shall control the connection between the permanent generator and the automatic transfer switch. A second circuit breaker shall control the connection between the permanent generator and the load bank female cam-style connectors. A third circuit breaker shall control the connection between the portable generator and the automatic transfer switch.

6. Operating Handle: All circuit breakers shall include UL Listed door-mounted operating mechanisms, preventing the opening of the main access door unless all breakers are in the OFF position.
7. Interlocks: Circuit breakers controlling the two generator sources shall be mechanically interlocked to ensure only one breaker can be closed at a time.
8. Auxiliary Contacts: Provided on permanent generator circuit breaker and wired to terminal blocks within the enclosure in compliance with NFPA-70 (NEC).

PART 3 - EXECUTION

3.1 COORDINATION

A. Coordinate MTS location, orientation, etc. with adjacent building elements, electrical equipment, etc. to maintain required working clearances, maintenance access and door swing to at least a 90 degree opening.

B. Verify electrical rough-in is complete and required raceways for all power and control wiring are installed.

C. Wall-Mounted MTS: Coordinate location, dimensions and electrical rough-in with adjacent building elements and equipment.

D. Pad-Mounted MTS: Coordinate location, orientation, dimensions, cut-outs, and anchoring requirements for concrete equipment pad.

3.2 INSTALLATION

A. Provide and connect Manual Transfer Switch(es) as herein specified and indicated on the Drawings.

B. Wall-Mounted: MTS's rated 800A and smaller shall be wall-mounted unless specifically indicated otherwise on the Drawings or herein specified.

1. Fasten MTS firmly to walls and structural surfaces ensuring they are permanently and mechanically anchored.
2. Anchor and fasten MTS and their supports to building structural elements by methods described in Section 260529 "Hangers and Supports for Electrical Systems."
3. Install two rows minimum of steel slotted channel with a minimum of 4 attachment points for each MTS enclosure.

4. When not directly located on structural wall, provide support frame of steel slotted channel anchored to floor and ceiling structure.
5. Install such that top operating handle is a maximum of 6 foot 6 inches above the finished floor or working platform with handle in its highest position.
6. Install so as to maintain minimum working space clearance in all directions and dedicated electrical equipment spaces per NFPA 70 (NEC).
7. Flammable surfaces used for mounting MTS shall be painted with 2 coats of flame resistant paint.

C. Outdoor Pad-Mounted: Unless indicated or detailed otherwise on the Drawings, the MTS shall be mounted on concrete equipment pad complying with Division 3 Section “Cast In-Place Concrete” and the following:

1. Concrete: 3000 psi concrete, minimum.
2. Equipment Pad Thickness: 6 inches thick concrete pad. Top 4 inches of pad shall be above finished grade.
3. Equipment Pad Dimensions: Shall extend 36 inches beyond front and 6" on remaining sides of enclosure..
4. Reinforcement: #6 reinforcement wire mesh, top and bottom.
5. Finish: Broom finish with 1 inch chamfer on all exposed edges.

D. Comply with NECA 1.

E. Comply with NFPA 110 and NFPA 70 (NEC).

3.3 CONNECTIONS

A. Wiring to Remote Components: Match type and number of cables and conductors to generator set(s), control and communication requirements of transfer switches as recommended by manufacturer. Increase raceway sizes at no additional cost to Owner if necessary to accommodate required wiring.

B. Wiring within Enclosures: Bundle, lace and train conductors to terminal points with minimum excess and without exceeding manufacturer’s limitation on bending radii.

C. Ground equipment according to Section 260526 “Grounding and Bonding for Electrical Systems”.

D. Connect power wiring according to Section 260519 “Low-Voltage Electrical Power Conductors”.

E. Provide and connect control and interface wiring per the manufacturer's instructions and recommendations.

3.4 FIELD QUALITY CONTROL

A. Prior to energizing 3-way manual transfer switch, the Contractor shall perform the following checks and tests as a minimum:

1. Verify mounting and connections are complete and secure.
2. Verify internal components and wiring are secure.
3. Perform continuity check of all circuits.
4. Perform 1,000 VDC megger test on feeder and load cables. Prior to testing, all auxiliary circuits must be turned OFF and all fuses, microswitches and shunt trip circuits must be disconnected. It is required to take out the rating plug of any electronic trip circuit breakers while performing a megger (insulation) test.
5. Verify deadfront is secure.
6. With the 3-way manual transfer switch deadfront in place and the main access door closed and properly latched, actuate all (3) Operator Mechanisms; verify:

    a. With the breaker controlling the connection between the permanent generator and the automatic transfer switch (ATS) in the ON position, the breaker controlling the connection between permanent generator and the load bank can be turned to the ON and OFF position and the breaker controlling the connection between the portable generator and the automatic transfer switch cannot be turned ON.
    b. With the breaker controlling the connection between the permanent generator and the automatic transfer switch (ATS) in the OFF position, the other (2) breakers controlling the connection between the permanent generator and load bank can be turned ON or OFF, and the breaker controlling the connection between the portable generator and the automatic transfer switch can be turned ON and OFF.
    c. With the breaker controlling the connection between the portable generator and the automatic transfer switch (ATS) in the ON position, the breaker controlling the connection between the permanent generator and the automatic transfer switch (ATS) cannot be turned ON and the breaker controlling the connection between the permanent generator and load bank can be turned ON and OFF.

7. Confirm operation of the 3-way manual transfer switch ground receptacle by attaching a plug to the 3-way manual transfer switch ground receptacle and then verify that the plug is grounded to the facility ground.

8. Once normal power has been applied, confirm operation of 3-way manual transfer switch by following directions on main access door.

B. Infrared Scanning: After Substantial Completion, but not more than 60 days after Final Acceptance, perform an infrared scan of each switch. Remove all access panels so joints and connections are accessible to portable scanner.

1. Instrument: Use an infrared scanning device designed to measure temperature or to detect significant deviations from normal values. Provide calibration record for device.
2. Record of Infrared Scanning: Prepare a certified report that identifies switches checked and that describes scanning results. Include notation of deficiencies detected, remedial action taken, and observations after remedial action

END OF SECTION

PRITCHARD ENGINEERING

P.O. Box 2523
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Phone: 662.324.2205
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JUNE 5, 2020

LPK ARCHITECTS
ATTN: BOB LUKE
P.O. BOX 630
MERIDIAN, MS 39302

EMAIL: bluke@lpkarchitects.com
snixon@lpkarchitects.com

RE: FORENSIC GEOTECHNICAL INVESTIGATION
FORMER LABCORP BUILDING
MERIDIAN, MISSISSIPPI

Dear Mr. Luke:

Pritchard Engineering, Inc. appreciates the opportunity to participate as geotechnical consultant for the project captioned above. At your request, Pritchard Engineering, Inc. performed two (2) soil borings and subsequent laboratory analysis in an effort to determine the subsurface conditions present along the front of the structure referenced above. Presented herewith are the following:

- A summary of the field exploration and laboratory methods employed
- Logs of two (2) borings including results of laboratory analysis'.
- Commentary and recommendations regarding the probable cause(s) of structure demise and potential mitigation options.

PROMPT / SITE CHARACTERISTICS

This investigation is prompted by signatures of foundation and structure distress along the front entry and authorized verbally by Mr. Bob Luke, architect and consultant.

The subject structure is a former grocery re-purposed by LabCorp which is currently abandoned. It is located at the intersection of Donald Avenue and E Street in Meridian, Mississippi; just northwest of the prior Village Fair Mall. Handheld GPS coordinates obtained by the driller in proximity of boring (1) are N 32° 21' 21.1" and W 88° 41' 51.0". Ground cover beyond the footprint of the structure consists primarily of paved parking areas and access drives. The surrounding topography is relatively flat and surface drainage appears poor.

FIELD INVESTIGATION

Two (2) borings were performed at locations and to depths selected by Pritchard Engineering. Appendix (C) provides a schematic depicting the approximate boring locations.

Drilling was accomplished by the dry auger method utilizing continuous flight auger advanced by a tractor mounted Giddings Model TS-35 hydraulic boring rig and were terminated at a depth of fifteen (15) feet below the existing site elevation. Shelby tubes were advanced (See ASTM D-1587) at selected depths to provide "undisturbed" specimens for visual classification and determination of shear strength and compressibility parameters by testing in unconfined compression and one-dimensional consolidation. Standard penetration tests (See ASTM D-1586) were also conducted at locations and intervals specified by the geotechnical engineer. The standard penetration resistance (N) value is the number of blows required to drive a standard 18-inch split-barrel sampler the final 12 inches utilizing a 140-pound hammer and a freefall height of 30 inches. Standard penetration values provide an indication of soil consistency and can be utilized in formulating design recommendations through empirical relations including but not limited to bearing capacity and potential settlement under loading conditions. "N" values are depicted by depth and location on the boring logs.

Representative specimens of the various soils encountered were retrieved at changes in strata and at intervals not exceeding 2 feet in depth. Samples retrieved during the field investigation were immediately placed in sealed containers to preserve their physical characteristics for transportation and future analysis in the laboratory.

The depth at which free water was first detected during drilling is indicated on the boring logs. Prior to closure, the depth to ground water and/or borehole caving was determined. This information is also recorded on the boring logs and was obtained after an elapsed period of approximately 1 to 2 hours.

LABORATORY ANALYSIS

Procedures employed in performing laboratory analysis were accomplished in general accordance with applicable American Society for Testing and Materials (ASTM) standard specifications for quality assurance. Tests were conducted on representative samples of the various soils encountered as designated by the Engineer. A list of the tests performed including a summary of the results obtained is presented as follows:

(Soil Classification) – ASTM D-2487

All soil samples were classified both visually and in accordance with criteria stipulated by the Unified Soil Classification System. (See boring logs.) Under the Unified Soil Classification System, coarse-grained soils (gravels and sands) are classified based upon grain-size. Fine-grained materials (silts and clays) are classified on the basis of plasticity (PI) as related to the Casagrande "A" line. For your convenience, a description of the symbols employed by the Unified Soil Classification and their meaning is presented as Appendix (A). Where appropriate, dual symbols are employed to signify borderline soils.

(Water Content) – ASTM D-2216

In-situ (or field) moisture contents were determined by placing extracted samples in sealed containers immediately upon removal from the drill cavity. Highly saturated soils were encountered near the surface in Boring (1). Otherwise, information generated from the analysis performed indicates in-situ moisture

contents were within the anticipated range for the soil types encountered and climatic season. Moisture content data is presented on the boring logs as W (%).

(Liquid and Plastic Limits) – ASTM 4318

Liquid and plastic limits, commonly referred to as Atterberg Limits, were performed on representative samples of the cohesive soils encountered. The plastic limit (PL) is the moisture content representing the lower boundary range of plastic behavior of a soil. The liquid limit (LL) is the moisture content representing the upper range of plastic behavior; above which a soil will essentially have the shear strength of a fluid. Both values are expressed as percent (%) moisture. The plasticity index (PI) is the numerical difference between the liquid limit and plastic limit and is utilized in soil classification and empirical relations developed regarding volume change, strength, and permeability. Data generated from this investigation indicates the plasticity index (PI) of the clays identified within the upper soil horizon ranges from 9 to 23. Based on this information these soils are considered to have a low shrink-swell potential which should not be adversely impacting the building.

(Shear Strength)

Shear strength tests were performed on undisturbed and remolded specimens of the various soils encountered. Methods employed in assessing shear strength were designated by the geotechnical engineer and are briefly summarized as follows:

- **(Pocket Penetrometer)**

  Selected cohesive soil specimens were tested utilizing a pocket penetrometer. This procedure allows for a quick approximation of the unconfined compressive strength of a soil through correlation of penetration of a calibrated plunger. Results are indicated as tons per square foot (tsf) by sample depth on the boring logs and represent the average of a minimum of four (4) readings per specimen.

- **(Unconfined Compression Test) – ASTM 2166**

  The unconfined compression test provides a relatively quick and economical approximation of the unconsolidated and undrained shear strength of a cohesive soil. Testing involves subjecting an "undisturbed" cylindrical sample of the soil (usually extracted from a Shelby tube) to a uniformly increasing load under controlled stress or controlled strain conditions until failure is reached through shear or excessive strain. The cohesive shear strength (c) is equivalent to one-half of the maximum normal stress realized during the test effort. Test results indicate strengths range from approximately 0.8 to 4.6 kips per square foot (ksf) and are presented as unconfined compressive strength on the boring logs and as Appendix (B).

SOIL PROFILE

The generalized soil profile presented is based upon engineering interpretation of the boring logs and related laboratory analysis as presented in Appendix (B).

Nominal thickness of the asphalt pavement at the drilling locations was 8". We would note that an additional layer of asphalt underlain by a granular subbase was encountered at a depth of approximately 3 feet in boring (1) which may suggest a former parking area was overlain by new construction. Beneath these materials interbedded low to medium plasticity sandy and/or silty clays

conforming to Unified Classification CL were identified. Consistency of these soils as estimated by the driller and verified by standard penetration resistance "N" values of zero (0) to 8 ranges from **very soft** to medium stiff and would generally be considered as **very soft** to **soft**.

The soils described are superimposed on loose fine silty clayey sand (Unified Classification SM-SC) initially intercepted at a depth of approximately 13 feet in boring (1) which extended to the limits of exploration.

Highly saturated soils were noted at shallow depth in boring (1) with free water encountered at a depth of approximately 12 feet in boring (2). Caving of the drill cavity at 3.5' prohibited a subsequent groundwater observation at boring (1). Depth to groundwater as observed and recorded approximately 2 hours after removal of the drill tool say 9 feet in boring (2). The reader is advised the field investigation was accomplished within a period of above average precipitation. Migration of groundwater is common within the lean clays and permeable sands and the phreatic surface is anticipated to fluctuate with the climatic season. Also, localized abnormalities in groundwater levels may result from random fill or subterranean utility installations.

COMMENTARY / RECOMMENDATIONS

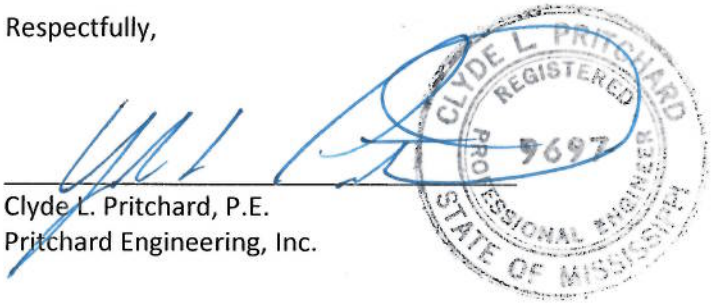
Based upon the information generated the probable causes of structure demise and distress realized to date include;

- A foundation system which is inadequate for the very low bearing capacity of the underlying soils, and
- Immediate distortion and subsequent consolidation of the very soft to soft clays upon loading.

At this juncture we advise installation of a minimum of two (2) shallow test pits to reveal the structure foundation(s); the geometry and composition of which to be evaluated by the geotechnical engineer. if the foundation is of sufficient integrity the system may be retro-fitted with A.B. Chance type helical piers. For estimating purposes, we would project single or double helical units bearing a minimum of twenty (20) feet beneath the existing site elevation(s) within the lower sand stratum. We advise pier installations be accomplished by a certified installer exhibiting a minimum of five (5) years of experience. Pier spacings and allowable capacities should be developed or verified based upon results of a test installation monitored by the geotechnical engineer.

Feel free to contact us should you have any questions regarding the information provided or if we may be of additional service.

Respectfully,



Clyde L. Pritchard, P.E.
Pritchard Engineering, Inc.

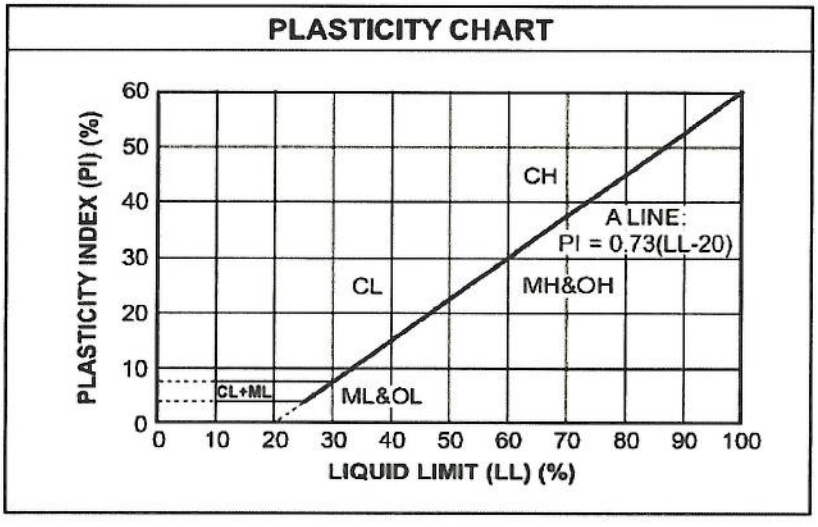
APPENDIX (A)

UNIFIED SOIL CLASSIFICATION SYSTEM

Appendix (A)

Major Divisions			Group Symbol	Typical Names	Classification for Coarse-Gained Soils	
Coarse-Grained Soils (more than half of material is larger than No. 200 sieve)	Gravels (more than half of coarse fraction is larger than No. 4 sieve size)	Clean gravels (little or no fines)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	$C_u = D_{60} / D_{10} > 4$ $C_c = 1 < D^2_{30} / D_{10} \times D_{60} < 3$	
			GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines	Not meeting all gradation requirements for GW	
		Gravels with fines (appreciable amount of fines)	GM	Silty gravels, gravel-sand-silt mixtures	Atterburg limits below A line or $I_p < 4$	Above A line with $4 < I_p < 7$ are borderline cases requiring use of dual symbols
			GC	Clayey gravels, gravel-sand-clay mixtures	Atterberg limits below A line or $I_p > 7$	
	Sands (more than half of coarse fraction is smaller than No. 4 sieve size)	Clean sands (little or no fines)	SW	Well-graded sands, gravelly sands, little or no fines	$C_u = D_{60} / D_{10} > 6$ $C_c = 1 < D^2_{30} / D_{10} \times D_{60} < 3$	
			SP	Poorly-graded sands, gravelly sands, little or no fines	Not meeting all gradation requirements for SW	
		Sands with fines (appreciable amount of fines)	SM	Silty sands, sand-silt mixtures	Atterburg limits below A line or $I_p < 4$	Limits plotting in hatched zone with $4 < I_p < 7$ are borderline cases requiring use of dual symbols
			SC	Clayey sands, sand-clay mixtures	Atterberg limits below A line or $I_p > 7$	
Fine-grained soils (more than half of material is smaller than No. 200 sieve)	Silts and clays (liquid limit < 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity		
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays		
			OL	Organic silts and organic silty clays of low plasticity		
	Silts and clays (liquid limit > 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic soils		
			CH	Inorganic clays of high plasticity, fat clays		
			OH	Organic clays of medium to high plasticity, organic silts		
	Highly organic soils		Pt	Peat and other highly organic soils		

1. Determine percentages of sand and gravel from grain-size curve.
2. Depending on percentages of fines (fraction smaller than 200 sieve size), coarse-grained soils are classified as follows:
Less than 5% - GW, GP, SW, SP
More than 12% - GM, GC, SM, SC
5% to 12% - Borderline cases requiring dual symbols



Soil Consistency	
Clays	
Blows per foot (N)	Consistency
0-2	Very Soft
2-4	Soft
4-8	Medium Stiff
8-15	Stiff
15-30	Very Stiff
Over 30	Hard
Sands	
Blows per foot (N)	Density
0-4	Very Loose
4-10	Loose
10-30	Medium Dense
30-50	Dense
Over 50	Very Dense

PRITCHARD ENGINEERING

Updated 2/19/20

APPENDIX (B)

BORING LOGS

PRITCHARD ENGINEERING

PROJECT NO. 6129A G-48
LAUDERDALE COUNTY GOVERNMENT
CENTER - LABCORE BLDG
MERIDIAN, MISSISSIPPI

BORING NO. 1
ELEVATION
DRILLED 05/13/20
DRILLER SM

DEPTH (FT)	SAMP (FT)	SR	VISUAL CLASSIFICATION / REMARKS	CONSIST.	SPT (N)	w %	LL	PI	-200 %	UNIFIED CLASS	q_u (tsf)
			8" Asphalt								
2			Red fine silty **SAND**	M. Dense		10				SM-SC	
			*Asphalt layer @ 3'								
4	2-3.5	X	Red sandy **CLAY**	M. Stiff	5	19	23	9		CL	2.3
6	5-6.5	X	Gray sandy silty **CLAY**	V. Soft	0	22	26	11		CL	0.4
8			(saturated)	V. Soft		20				CL	
10				V. Soft		28				CL	
12	10-11.5	X	Reddish brown & gray sandy silty **CLAY**	Soft	4	25	41	23		CL	0.8
13											
14			Brown fine silty clayey **SAND**	Loose		29				SM-SC	
15			**BORING TERMINATED**								
16											
18											
20											
22											
24											
26											
28											
30											

SAMPLE RETRIEVAL (SR)

- [ ] DRY AUGER.....ASTM D-1452
- [ ] SHELBY TUBE.....ASTM D-1582
- [X] PENETRATION TEST.....ASTM D-1586

WATER OBSERVATION (S)

NONE ENCOUNTERED X

____ FT. AFTER ____ HRS.

BOREHOLE CAVED AT 3.5 FT.

PRITCHARD ENGINEERING

PROJECT NO. 6129A G-48
LAUDERDALE COUNTY GOVERNMENT
CENTER - LABCORE BLDG
MERIDIAN, MISSISSIPPI

BORING NO. 2
ELEVATION
DRILLED 05/13/20
DRILLER SM

DEPTH (FT)	SAMP (FT)	SR	VISUAL CLASSIFICATION / REMARKS	CONSIST.	SPT (N)	w %	LL	PI	-200 %	UNIFIED CLASS	q_u (tsf)
			8" Asphalt								
2			Dark gray (black) silty **CLAY**	M. Stiff		19				CL	
4	2-3.5	X	Mottled red, yellow, & light gray sandy silty	M. Stiff	7	22	36	16		CL	2.1
			CLAY								
6	5-6.5	X		M. Stiff	8	25	39	17		CL	2.0
8				M. Stiff		27				CL	
10	10-11.5	X		Soft	4	25	35	16		CL	1.3
12			*Hit water @ 12'	Soft		27				CL	
14			Gray & brown sandy silty **CLAY**	Soft		27				CL	
15			**BORING TERMINATED**								
16											
18											
20											
22											
24											
26											
28											
30											

SAMPLE RETRIEVAL (SR)

- ☐ DRY AUGER.....ASTM D-1452
- ■ SHELBY TUBE.....ASTM D-1582
- X PENETRATION TEST.....ASTM D-1586

WATER OBSERVATION (S)

NONE ENCOUNTERED

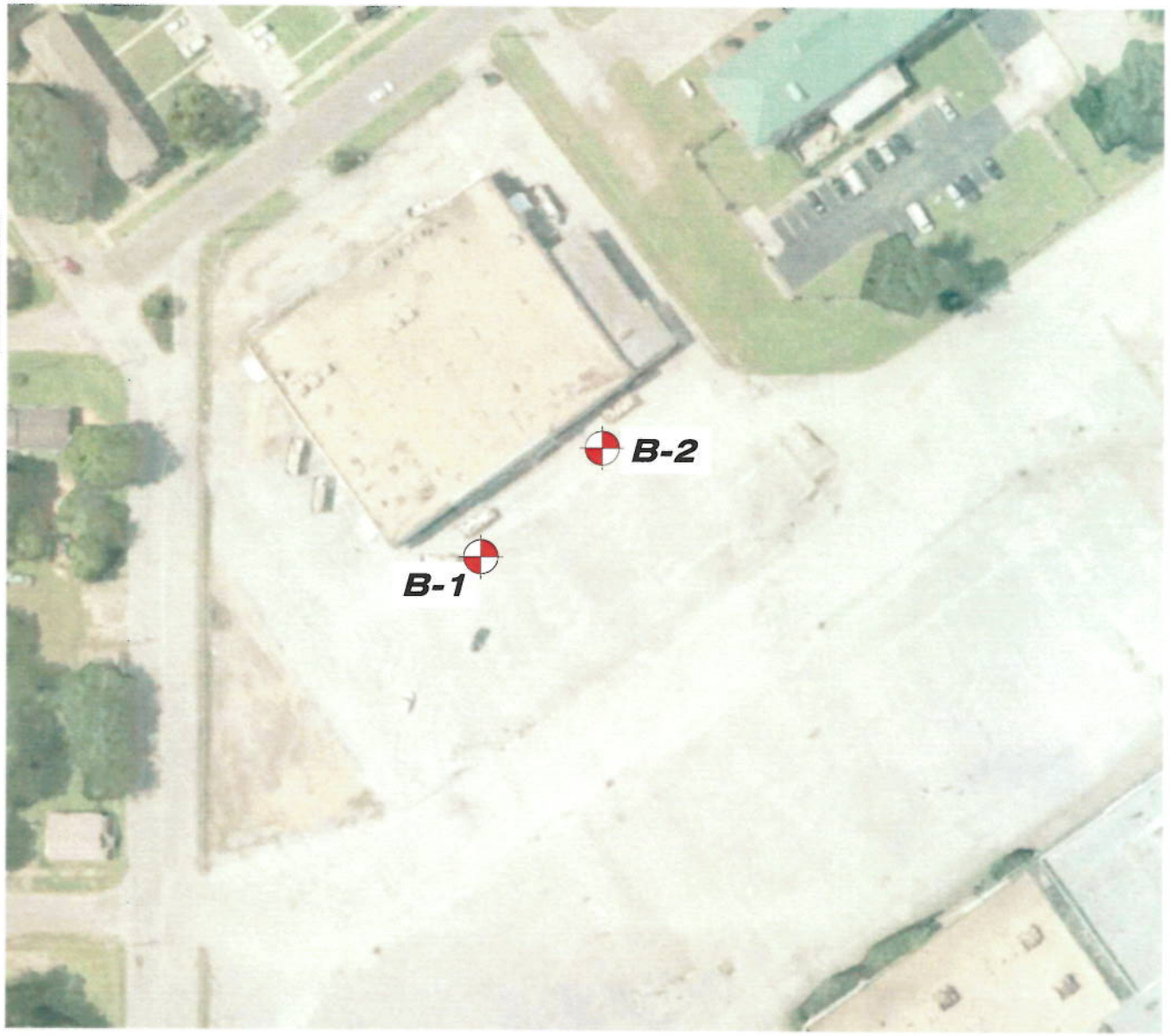
9 FT. AFTER 2 HRS.

BOREHOLE CAVED AT 11 FT.

APPENDIX (C)

SITE SCHEMATIC / BORING PLAN

BORING LOCATIONS		
BORING	LATITUDE	LONGITUDE
B–1	N 32°21'21.1"	W 88°41'51.0"
B–2	N 32°21'21.8"	W 88°41'50.0"



LEGEND

B-1 SOIL BORING LOCATION

N

811 Know what's below. Call before you dig.

SCALE: 1" = 100'

PRITCHARD ENGINEERING

BORING PLAN

LAUDERDALE COUNTY
GOVERNMENT CENTER - LABCORP BUILDING

MERIDIAN, MISSISSIPPI

CLIENT:

LPK ARCHITECTS

MERIDIAN, MISSISSIPPI

100 MILEY DR.
STARKVILLE, MS
39760
662.324.2205

DRAWN BY:	CFB
CHECKED BY:	CLP
DATE:	6/5/2020
SCALE:	1" = 100'
PROJ. #:	6129
DWG #:	6129 – BP

PRITCHARD ENGINEERING

P.O. Box 2523
Starkville, MS 39760
Phone: 662.324.2205
Fax: 662.324.2092

APRIL 29, 2021

LPK ARCHITECTS
MR. BENJI ARMSTRONG
P.O. BOX 630
MERIDIAN, MS 39302

VIA EMAIL: barmstrong@lpkarchitects.com

RE: SUPPLEMENTAL BORINGS
FORMER LABCORP BUILDING
MERIDIAN, MISSISSIPPI

Dear Mr. Armstrong:

Submitted herewith are boring logs depicting the results of subsurface exploration and laboratory analysis performed on samples collected from each of two (2) supplemental borings conducted at the site captioned above. Said investigation intended to provide geotechnical parameters for canopy foundation design as outlined in our proposal of April 15, 2021. A site schematic illustrating the boring locations accompanies this document. Commentary and recommendations resulting from this effort are presented as follows.

SOIL PROFILE

Prevalent near surface soils identified at the locations investigated consist of low to medium plasticity sandy and/or silty clays. According to the criteria stipulated by the Unified Soil Classification System these soils are designated CL (lean clay) or CL-SC (borderline sand-clay). The extent to which the upper soil horizon represents relatively undisturbed geologic deposition or materials relocated or imported in prior site development is unknown. Consistency of the surficial clays as estimated by the driller and verified by standard penetration resistance "N" values of 4 to 7 ranges from **soft** to medium stiff.

Poorly graded fine silty and/or clayey sands and medium coarse sands were intercepted at depths of approximately 6.5 to 7 feet which extended to the limits of exploration. Appropriate Unified classifications for the sands are SM, SM-SC, SP, and SM-SP. Consistency of the lower sand strata as estimated by the driller and verified by standard penetration resistance "N" values of 5 to 14 ranges from **loose** to medium dense.

Free water was detected as the borings were advanced at depths of approximately 6.5 to 7 feet at the lower sand contact. Each of the boreholes caved at 6 to 8 feet with groundwater observed at 6 to 7 feet. The reader is advised the field investigation was accomplished within a period of above average rainfall and the phreatic surface observed is subject to change with climatic conditions.

FOUNDATION RECOMMENDATIONS

It is our understanding the project involves a "lean to" type annex to the parent structure for covered vehicle parking. Minimal grading is anticipated in site development. This investigation has revealed **soft** and **loose** materials within the zone of influence which pose a potential for excessive total and/or differential settlement. With respect to same we advise the following recommendations for utilization of reinforced concrete spread footings.

- Over-excavate area beneath and extending 1.5 feet beyond perimeter of future spread foundations to a depth of 4 feet beneath existing site elevation.
- Install 8 oz. non-woven geotextile on exposed subgrade in accordance with manufacturers recommendations.
- Backfill with initial 12" lift of Size No. 610 crushed limestone with minimal compactive effort. **DO NOT VIBRATE**.
- Backfill to design subgrade elevation in maximum loose lifts of 8"; each compacted to 95% of maximum dry density. **DO NOT VIBRATE**.
- Design shallow spread foundation for a maximum allowable soil pressure of 2400 psf.

All foundation members should be adequately reinforced to resist differential movement and as stipulated by applicable American Concrete Institute (ACI) specifications.

The allowable pressure quoted herein is intended to provide a factor of safety of 2.6 to 3.6 with respect to ultimate or bearing capacity failure of the supporting soils with a maximum anticipated settlement of 0.5 inches which is contingent upon proper placement and compaction of backfill during the grading process. Maximum anticipated differential settlement between adjacent columns is 0.25".

Feel free to contact us should you have any questions regarding the information provided or if we may be of additional service.

Respectfully,

Clyde L. Pritchard, P.E.
Pritchard Engineering, Inc.

APPENDIX (A)

UNIFIED SOIL CLASSIFICATION SYSTEM

Appendix (A)

Major Divisions			Group Symbol	Typical Names	Classification for Coarse-Gained Soils	
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			GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines	Not meeting all gradation requirements for GW	
		Gravels with fines (appreciable amount of fines)	GM	Silty gravels, gravel-sand-silt mixtures	Atterburg limits below A line or $I_p < 4$	Above A line with $4 < I_p < 7$ are borderline cases requiring use of dual symbols
			GC	Clayey gravels, gravel-sand-clay mixtures	Atterberg limits below A line or $I_p > 7$	
	Sands (more than half of coarse fraction is smaller than No. 4 sieve size)	Clean sands (little or no fines)	SW	Well-graded sands, gravelly sands, little or no fines	$C_u = D_{60} / D_{10} > 6$ $C_c = 1 < D^2_{30} / D_{10} \times D_{60} < 3$	
			SP	Poorly-graded sands, gravelly sands, little or no fines	Not meeting all gradation requirements for SW	
		Sands with fines (appreciable amount of fines)	SM	Silty sands, sand-silt mixtures	Atterburg limits below A line or $I_p < 4$	Limits plotting in hatched zone with $4 < I_p < 7$ are borderline cases requiring use of dual symbols
			SC	Clayey sands, sand-clay mixtures	Atterberg limits below A line or $I_p > 7$	
Fine-grained soils (more than half of material is smaller than No. 200 sieve)	Silts and clays (liquid limit < 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, or clayey silts with slight plasticity		
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays		
			OL	Organic silts and organic silty clays of low plasticity		
	Silts and clays (liquid limit > 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic soils		
			CH	Inorganic clays of high plasticity, fat clays		
			OH	Organic clays of medium to high plasticity, organic silts		
	Highly organic soils		Pt	Peat and other highly organic soils		

1. Determine percentages of sand and gravel from grain-size curve.
2. Depending on percentages of fines (fraction smaller than 200 sieve size), coarse-grained soils are classified as follows:
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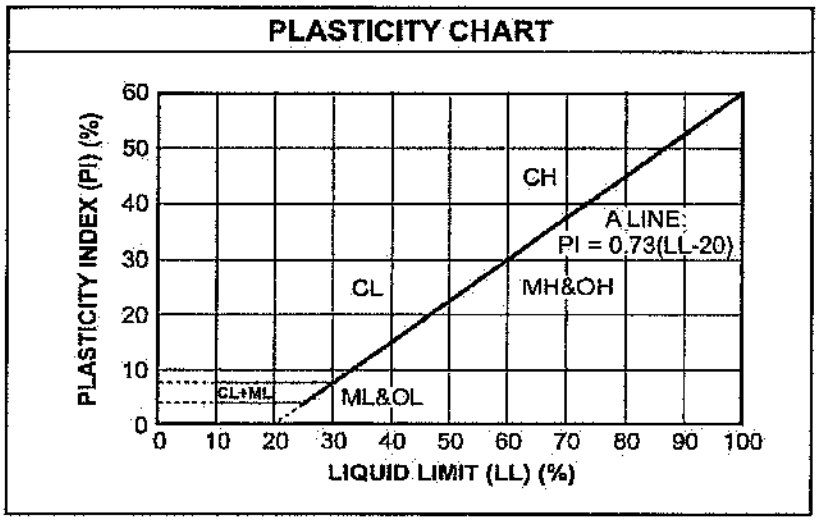


Soil Consistency	
Clays	
Blows per foot (N)	Consistency
0-2	Very Soft
2-4	Soft
4-8	Medium Stiff
8-15	Stiff
15-30	Very Stiff
Over 30	Hard
Sands	
Blows per foot (N)	Density
0-4	Very Loose
4-10	Loose
10-30	Medium Dense
30-50	Dense
Over 50	Very Dense

PRITCHARD ENGINEERING

Updated 2/19/20

APPENDIX (B)

BORING LOGS

PRITCHARD ENGINEERING

PROJECT NO.	6129 A-48	BORING NO.	3
	LAUDERDALE COUNTY	ELEVATION	
	GOVERNMENT CENTER	DRILLED	04/20/21
	LABCORP BUILDING	DRILLER	SM
	MERIDIAN, MISSISSIPPI		

DEPTH (FT)	SAMP (FT)	SR	VISUAL CLASSIFICATION / REMARKS	CONSIST.	SPT (N)	w %	LL	PI	-200 %	UNIFIED CLASS	q_u (tsf)
0											
1			Dark gray sandy **CLAY** with asphalt	M. Stiff		10				CL-SC	
2											
3	2-3.5	X	Yellow brown & gray sandy silty **CLAY**	M. Stiff	5	17	33	18		CL	2.3
4											
5	5-6.5	X		M. Stiff	7	19	25	11		CL	0.5
6											
6.5			*Hit water @ 6.5'								
7	7-8.5	X	Yellow red & gray fine to medium coarse silty **SAND**	Loose	7	25		NP		SM	
8											
9				Loose		27		NP		SM	
10											
11	10-11.5	X	Light brown & gray fine to medium coarse **SAND**	Loose	5	26		NP		SP	
12											
13				Loose		29		NP		SP	
14											
15				Loose		26		NP		SP	
16											
17				Loose		27		NP		SP	
18											
19				Loose		27		NP		SP	
20			**BORING TERMINATED**								

SAMPLE RETRIEVAL (SR)

- ☐ DRY AUGER.....ASTM D-1452
- ■ SHELBY TUBE.....ASTM D-1582
- X PENETRATION TEST.....ASTM D-1586

WATER OBSERVATION (S)

NONE ENCOUNTERED

6 FT. AFTER 2 HRS.

BOREHOLE CAVED AT 6 FT.

PRITCHARD ENGINEERING

PROJECT NO.	6129 A-48	BORING NO.	4
	LAUDERDALE COUNTY	ELEVATION	
	GOVERNMENT CENTER	DRILLED	04/20/21
	LABCORP BUILDING	DRILLER	SM
	MERIDIAN, MISSISSIPPI		

DEPTH (FT)	SAMP (FT)	SR	VISUAL CLASSIFICATION / REMARKS	CONSIST.	SPT (N)	w %	LL	PI	-200 %	UNIFIED CLASS	q_u (tsf)
0											
1			Dark gray sandy **CLAY** with asphalt	M. Stiff		11				CL	
2											
3	2-3.5	X	Yellow brown & gray sandy silty **CLAY**	Soft	4	23	25	10		CL	0.9
4											
5	5-6.5	X		M. Stiff	6	27	30	14		CL	0.7
6											
7			*Hit water @ 7'	M. Stiff		26				CL	
8	7-8.5	X	Light gray fine to medium coarse clayey **SAND**	M. Dense	14	21				SM-SC	1.3
9											
10			Brown & gray fine to medium coarse **SAND**	Loose		32		NP		SM-SP	
11											
12				Loose		29		NP		SM-SP	
13											
14				Loose		31		NP		SM-SP	
15			**BORING TERMINATED**								
16											
17											
18											
19											
20											

SAMPLE RETRIEVAL (SR)

- ☐ DRY AUGER.....ASTM D-1452
- ■ SHELBY TUBE.....ASTM D-1582
- X PENETRATION TEST.....ASTM D-1586

WATER OBSERVATION (S)

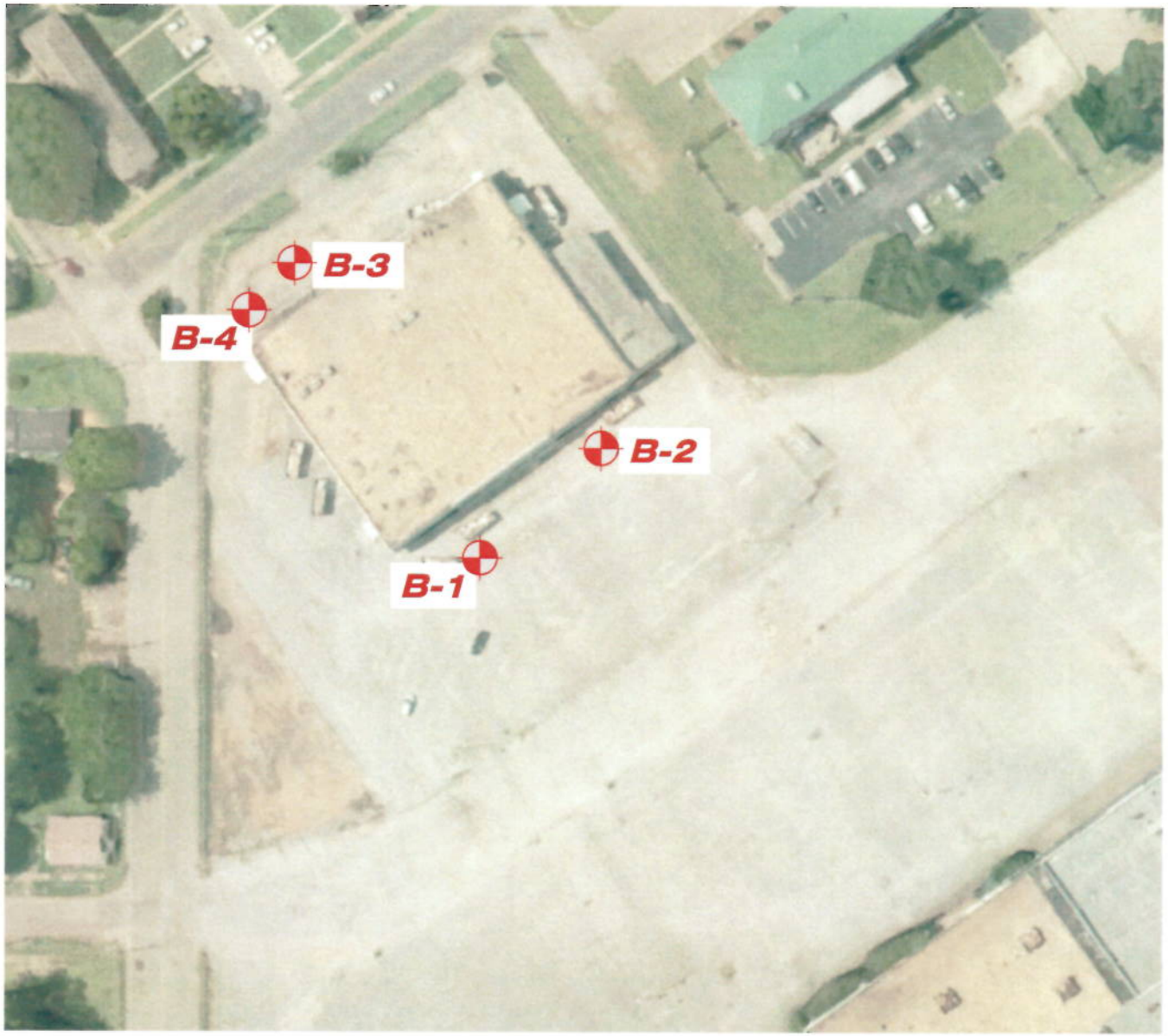
NONE ENCOUNTERED

7 FT. AFTER 1.5 HRS.

BOREHOLE CAVED AT 8 FT.

APPENDIX (C)

SITE SCHEMATIC / BORING PLAN



N

SCALE: 1" = 100'

811 Know what's below. Call before you dig.

LEGEND

B-4 SOIL BORING LOCATION

BORINGS (1) AND (2) 5/13/20

PRITCHARD ENGINEERING

BORING PLAN

LAUDERDALE COUNTY GOVERNMENT CENTER - LABCORP BUILDING

MERIDIAN, MISSISSIPPI

CLIENT:

LPK ARCHITECTS

MERIDIAN, MISSISSIPPI

100 MILEY DR.
STARKVILLE, MS
39760
662.324.2205

DRAWN BY:	AL
CHECKED BY:	CLP
DATE:	4/29/21
SCALE:	1" = 100'
PROJ. #:	6129
DWG #:	6129 - BP

LAUDERDALE COUNTY PUBLIC SAFETY BUILDING

MERIDIAN, MS 39301

CONSTRUCTION DOCUMENTS
PROJECT NUMBER: 19-4894B
MARCH 18, 2021

MATERIALS LEGEND:

CONCRETE BLOCK — CONCRETE IN SECTION — RIGID INSULATION, EIFS AS NOTED
BRICK — SOIL IN SECTION — PLYWOOD
METAL IN SECTION — CRUSHED STONE — FINISH WOOD
GYP. BOARD, PLASTER, OR CONCRETE IN PLAN AS NOTED — BATT INSULATION — WOOD FRAMING

ARCHITECTURAL ABBREVIATIONS:

ACT	ACOUSTICAL CEILING TILE	LBS	POUNDS
ADD'M	ADDENDUM	LAM	LAMINATE OR LAMINATED
AFF	ABOVE FINISHED FLOOR		
ALUM	ALUMINUM	MAX	MAXIMUM
ANOD	ANODIZED	MECH	MECHANICAL
ARCH	ARCHITECTURAL	MIN	MINIMUM
		MO	MASONRY OPENING
BD	BOARD	MTD	MOUNTED
BLKG	BLOCKING		
BLDG	BUILDING	NIC	NOT IN CONTRACT
		NO	NUMBER
CER	CERAMIC	NOM	NOMINAL
CMU	CONCRETE MASONRY UNIT		
COL	COLUMN	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CJ	CONTROL JOINT		
CONST	CONSTRUCTION	P	PLASTIC
CONT	CONTINUOUS	PARA	PARAGRAPH
		PART	PARTITION
DET	DETAIL	PL	PLATE OR PLATED
DWGS	DRAWINGS	PLYWD	PLYWOOD
		PSF	POUNDS PER SQUARE FOOT
EA	EACH	PSI	POUNDS PER SQUARE INCH
EJ	EXPANSION JOINT	PTD	PAINTED
ELEC	ELECTRICAL	PTDD	PAPER TOWEL DISPENSER AND/OR DISPOSAL
ELEV	ELEVATION		
EQ	EQUAL	PVC	POLYCINYL CHLORIDE
EW	EACH WAY		
EWC	ELECTRIC WATER COOLER	R	RADIUS
EXIST	EXISTING	RAG	RETURN AIR GRILLE
EXP	EXPANSION	RB	RUBBER BASE
EXT	EXTERIOR	REF	REFRIGERATOR
		REINF	REINFORCING
FD	FLOOR DRAIN	REQ'D	REQUIRED
FE	FIRE EXTINGUISHER	RT	RUBBER THRESHOLD
FEC	FIRE EXTINGUISHER CABINET		
FIN	FINISHED	S	SILL
FL	FLOOR	SCWD	SOLID CORE WOOD DOOR
		SHT	SHEET
GA	GAUGE	SIM	SIMILAR
GALV	GALVANIZED	SQFT	SQUARE FEET
GB	GRAB BAR	SS	STAINLESS STEEL
GYP	GYPSUM	STRUCT	STRUCTURAL
		SUP	SUPPLEMENTAL
H	HEAD	SUSP	SUSPENDED
HCWD	HOLLOW CORE WOOD DOOR		
HM	HOLLOW METAL	THKNS	THICKNESS
HORIZ	HORIZONTAL	TPH	TOILET PAPER HOLDER
HT	HEIGHT	TRTD	TREATED
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	TYP	TYPICAL
		VCT	VINYL COMPOSITION TILE
INSUL	INSULATION	VERT	VERTICAL
INT	INTERIOR	VWC	VINYL WALL COVERING
J	JAMB	W/	WITH
JT	JOINT	WD	WOOD
		WT	WEIGHT

ARCHITECTURAL NOTES:

1. CONTRACTOR SHALL VISIT THE SITE AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS, INCLUDING EXISTING UTILITY LOCATIONS, TO DETERMINE THE SCOPE AND NATURE OF THE WORK NECESSARY FOR THE COMPLETION OF THE PROJECT.
2. THE CONTRACTOR SHALL CAREFULLY REVIEW ALL DRAWINGS, SPECIFICATIONS AND ANY ADDENDA FOR THE PROJECT TO DETERMINE THE COMPLETE SCOPE AND NATURE OF THE WORK TO BE PERFORMED. ANY QUESTIONS OR DISCREPANCIES AS TO THE NATURE OR INTENT OF THE WORK TO BE PERFORMED SHALL BE DIRECTED TO THE ARCHITECT PRIOR TO BIDDING FOR A DETERMINATION OF WORK REQUIRED. UNLESS STATED OTHERWISE BY THE ARCHITECT. WHERE A CONFLICT OR DISCREPANCY EXISTS, THE MOST COSTLY OR MOST STRINGENT CONDITION SHALL APPLY.
3. CONTRACTOR SHALL COORDINATE THE WORK SCHEDULE AND INTERRUPTION OF UTILITIES FOR THE PROJECT WITH THE OWNER TO MINIMIZE DISRUPTION OF ACTIVITIES AND FUNCTIONS.
4. THE CONTRACTOR SHALL EXERCISE CARE AND TAKE APPROPRIATE PRECAUTIONARY MEASURES TO PREVENT ANY DAMAGE TO THE EXISTING STRUCTURES, SIDEWALKS, UTILITIES, COMMUNICATIONS, ETC., DURING THE PROJECT. THE CONTRACTOR SHALL CORRECT ALL DAMAGE CAUSED BY OR DURING THE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ANY REQUIRED AGENCIES OR UTILITIES AND FOLLOWING APPLICABLE PROCEDURES PRIOR TO ANY EXCAVATION.
5. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO ORDERING MATERIALS AND COMMENCING WORK.
6. THE CONTRACTOR SHALL ENSURE THAT HIS EQUIPMENT AND MATERIALS ARE STORED IN A SAFE AND SECURE MANNER IN AN AREA DESIGNATED BY THE OWNER, AND SHALL ENSURE THAT ALL WORK BE PERFORMED IN ACCORDANCE WITH SAFETY REGULATIONS AND SAFE STANDARDS OF PRACTICE FOR THE SAFETY OF THE WORKERS AND USERS OF THE BUILDING DURING THE PROJECT.
7. NOT EVERY CONDITION HAS BEEN DETAILED. WHERE SPECIFIC DETAILING IS NOT SHOWN, CONTACT ARCHITECT FOR INSTRUCTIONS. THEN, EXECUTE THE CONSTRUCTION IN A SOUND, WORKMANLIKE MANNER CONSISTENT WITH ACCEPTED BUILDING PRACTICES AND OTHER DETAILING SHOWN.
8. WHERE STANDARD DETAILS ARE SHOWN TO BE TYPICAL, THEY SHALL BE CONSIDERED TO BE APPLICABLE IN ALL SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
9. ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND APPLICABLE BUILDING CODES, FIRE CODES AND REGULATIONS.
10. ALL WORK AREAS SHALL BE LEFT CLEAN & PRESENTABLE UPON COMPLETION OF THE WORK DAY. DAILY CLEANUP REQUIRED IN AREAS OF DAILY ACTIVITY. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE PROJECT SITE AS NEEDED AND SHALL PERFORM FINAL CLEANUP UPON COMPLETION OF THE PROJECT.

PROJECT DATA:

PROJECT DESCRIPTION
RENOVATIONS AND ADDITIONS TO AN EXISTING 28,409 SF SINGLE STORY BUILDING WITH A 1,922 SF ADDITION AT THE REAR INCLUDING SITEWORK AND PARKING SURROUNDING THE BUILDING. THIS WILL BE THE NEW LAUDERDALE COUNTY PUBLIC SAFETY BUILDING.

JURISDICTION
CITY OF MERIDIAN
BUILDING & INSPECTION
P.O. BOX 1430
723 23RD AVENUE
MERIDIAN, MS 39302
PHONE NUMBER: (601) 485-1900
EMAIL: building_inspection@meridianms.org

ZONING INFORMATION
ZONING: B4 - REGIONAL BUSINESS DISTRICT
FRONT YARD: 30'-0"
SIDE YARD: 10'-0"
REAR YARD: 0'-0"
MAX. BUILDING HEIGHT: 50'-0"
IMPERVIOUS AREA ALLOWED: 90% (OF TOTAL SITE AREA)

DESIGN CODES
2018 INTERNATIONAL BUILDING CODE
2020 NATIONAL ELECTRICAL CODE
2012 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FUEL CODE
2018 INTERNATIONAL PLUMBING CODE

TYPE OF CONSTRUCTION: TYPE IIB, S1 - SPRINKLERED

OCCUPANCY: MIXED OCCUPANCY
B (BUSINESS) / STORAGE (S-1)
ACCESSORY OCCUPANCY: R-1

MAXIMUM TRAVEL DISTANCE ALLOWED: 250 FEET

DEAD END CORRIDOR DISTANCE: 50 FEET

NUMBER OF STORIES
ALLOWED: 3-STORIES
ACTUAL: 1-STORIES

HEIGHT OF BUILDING
ALLOWED: 75'-0"
ACTUAL: 33'-4"

BUILDING AREA
ALLOWABLE: 70,000 S.F.

ACTUAL: 28,409 S.F. (EXISTING)
1,922 S.F. (ADDITION)
30,331 S.F. TOTAL

LIFE SAFETY LOAD CALCULATIONS		
AREA	OCCUPANT LOAD	
SQ.FT.	LOAD FACTOR	CALCULATED LOAD
ACCESSORY STORAGE AREA / MECHANICAL ROOM		
5520 SF		33
ASSEMBLY - CONCENTRATED (CHAIRS ONLY / NOT FIXED)		
1701 SF	7	244
ASSEMBLY - FIXED SEATING		
411 SF	0	27
ASSEMBLY - UNCONCENTRATED (TABLES AND CHAIRS)		
1868 SF	15	129
BUSINESS AREAS - 2018		
8299 SF	150	83
EDUCATIONAL - SHOPS / VOCATIONAL ROOMS		
1671 SF	50	34
INDUSTRIAL AREAS		
1341 SF	100	14
LOCKER ROOMS		
588 SF	50	13
PARKING GARAGES		
2288 SF	200	12
RESIDENTIAL		
190 SF	200	1
23877 SF	TOTAL OCCUPANTS:	590

REQUIRED EXIT WIDTH / FLOOR: FIRST FLOOR 590 OCC. *.2 = 118"

NUMBER OF PARKING SPACES:
REQUIRED: 102 SPACES (BUSINESS USE / 1 PER 300 SF)
PROPOSED: 139 SPACES
ACCESSIBLE: 6 SPACES
TOTAL: 145 SPACES

FIRE PROTECTION HOURLY RATING FOR ALL STRUCTURAL COMPONENTS AND SEPARATION OF HAZARDS COMPONENTS REQUIRED BY THE APPLICABLE BUILDING CODE
0 COLUMNS — 0 BEAMS — 0 WALLS
0 FLOOR/CEILING — 0 ROOF/CEILING — 0 ROOF COVERING
0 CORRIDORS — N/A SHAFT ENCLOSURES — N/A STAIR ENCLOSURE
N/A TENANT SEPARATIONS
N/A OCCUPANCY SEPARATIONS

SPRINKLER SYSTEM TYPE - YES
STANDPIPE SYSTEM - YES
FIRE/ SMOKE ALARM SYSTEM - YES

PROJECT DIRECTORY:

ARCHITECT
LPK ARCHITECTS, P.A.
821 22ND AVENUE
P.O. BOX 630
MERIDIAN, MS 39301
P: 601-693-9990
F: 601-693-8640

CONSTRUCTION MANAGEMENT
W.G. YATES & SONS
CONSTRUCTION CO.
ONE GULLY AVENUE
PHILADELPHIA, MS 39350
P: 601-656-5411
F: 601-663-4140

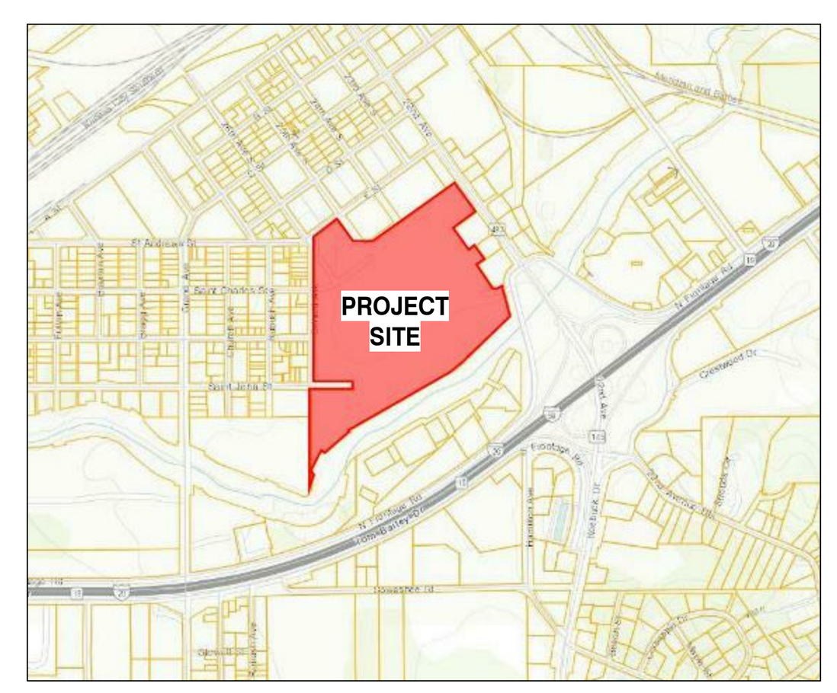
SURVEY
PRITCHARD ENGINEERING, INC.
100 MILEY ROAD
STARKVILLE, MS 39759
P: 662-324-2205
F: 662-324-2092

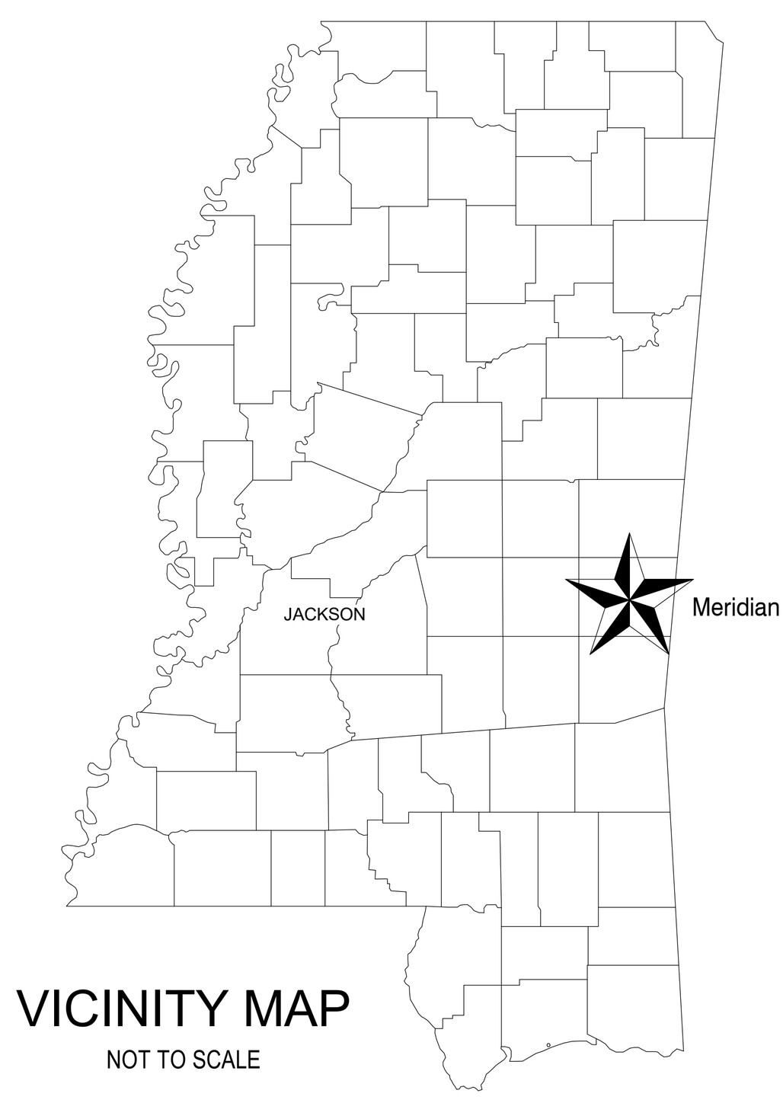
CIVIL / STRUCTURAL
SPENCER - ENGINEERS, INC.
2508 LAKELAND DRIVE, SUITE 200
FLOWOOD, MS 39232
P: 601-982-7766
F: 601-982-7769

MECHANICAL
ENGINEERING RESOURCE GROUP, INC.
350 EDGEWOOD TERRACE DRIVE
JACKSON, MS 39206
P: 601-362-3552
F: 601-366-6418

ELECTRICAL
SCHULTZ & WYNNE, P.A.
4523 OFFICE PARK DRIVE
JACKSON, MS 39206
P: 601-982-3313
F: 601-982-7685

LANDSCAPE
CHRISTIAN PREUS LANDSCAPE ARCHITECTURE
1011 DESOTO STREET
OCEAN SPRINGS, MS 39564
P: 855-539-5086
F: 228-539-7990





VICINITY MAP
NOT TO SCALE

L P K
architects

ARCHITECTURE • INTERIOR DESIGN
PLANNING • CONSTRUCTION MANAGEMENT

INDEX OF DRAWINGS

SHEETS IN THE SET: 128

L P K
architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect
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PROJECT INFORMATION
PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:
Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES
CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE
- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
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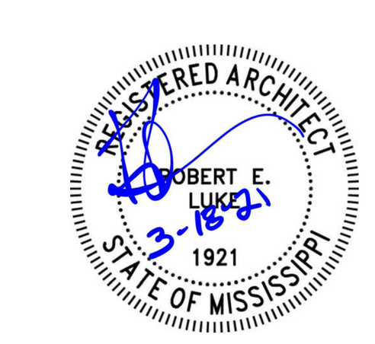
- ☐ AS-BUILT RECORD SET

SEAL

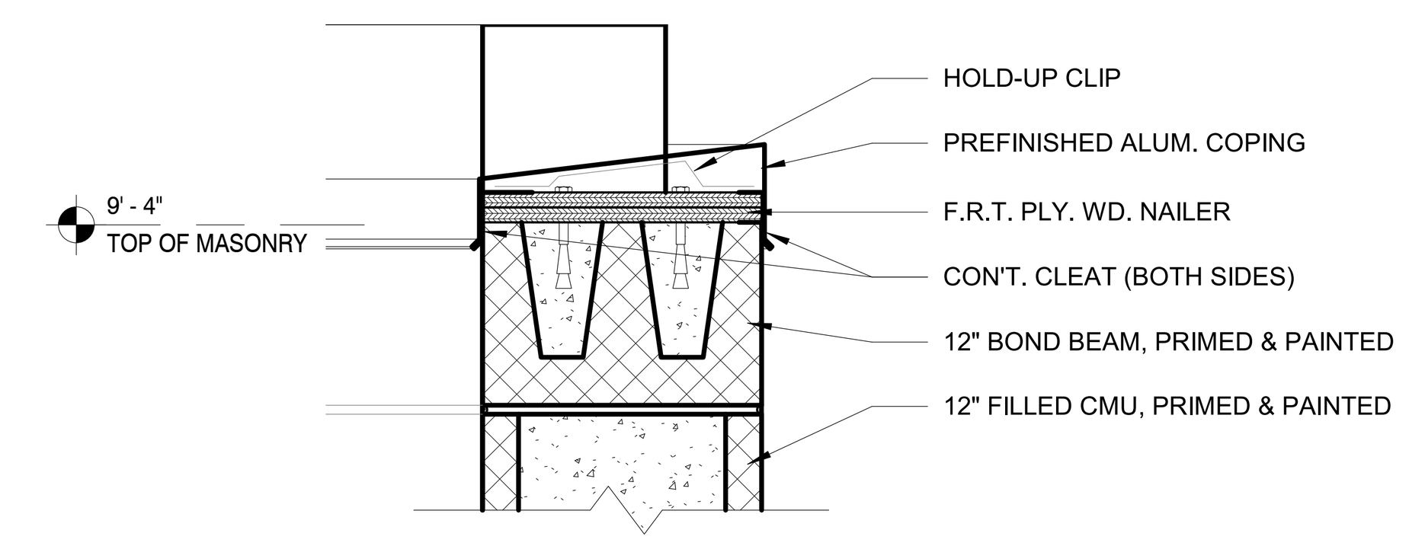


REVISIONS/SUBMISSIONS

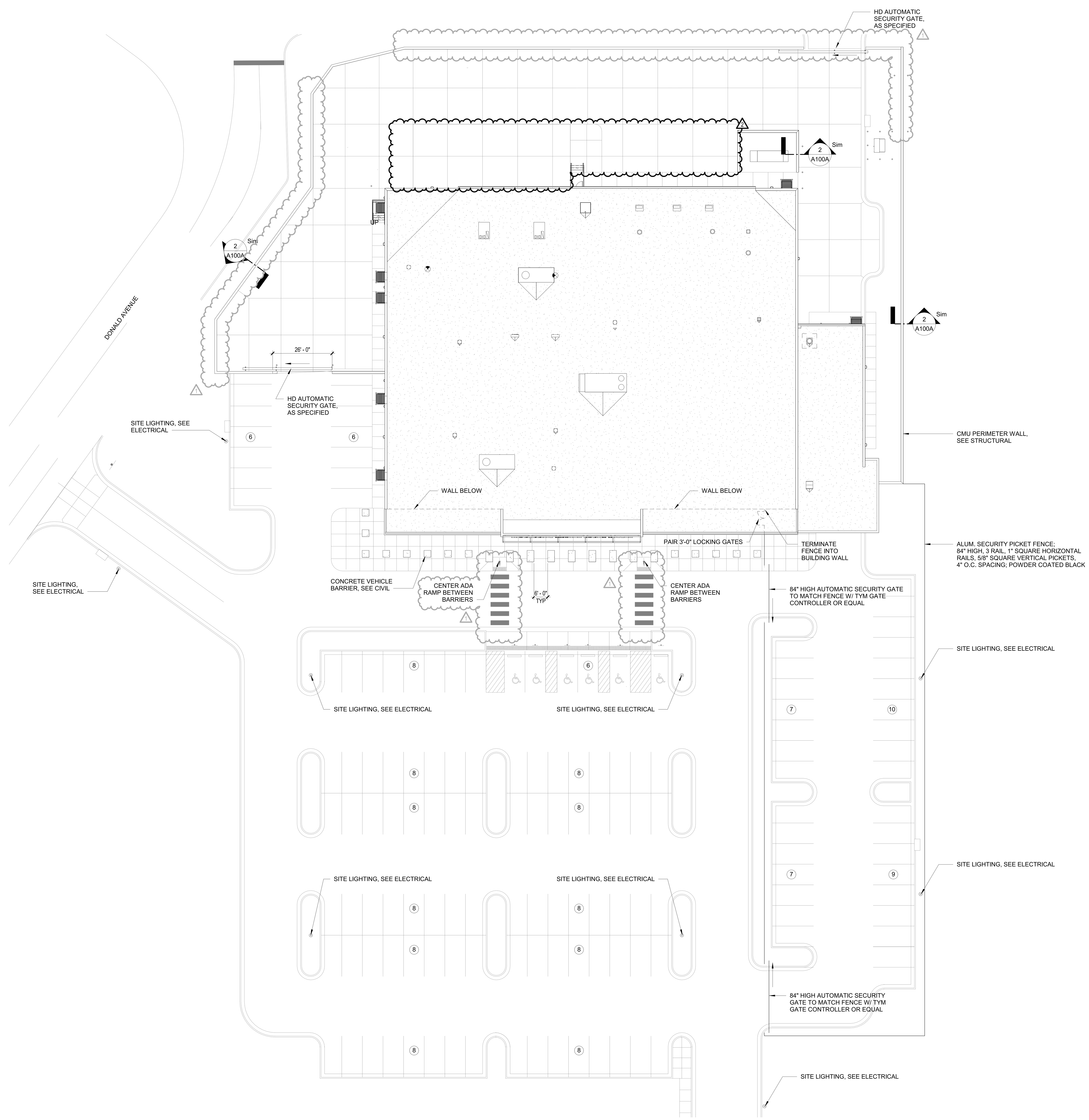
NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE
COVER SHEET

PROJECT NO.:	19-4894B
SHEET ISSUED:	03/18/2021
DRAWN BY:	CL
REVIEWED BY:	JS
SHEET NO.	CVR



2 SECTION DETAIL
1 1/2" = 1'-0"



1 SITE PLAN
1" = 20'-0"

BUILDING NORTH | TRUE NORTH

LPK architects

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PROJECT INFORMATION

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SEAL

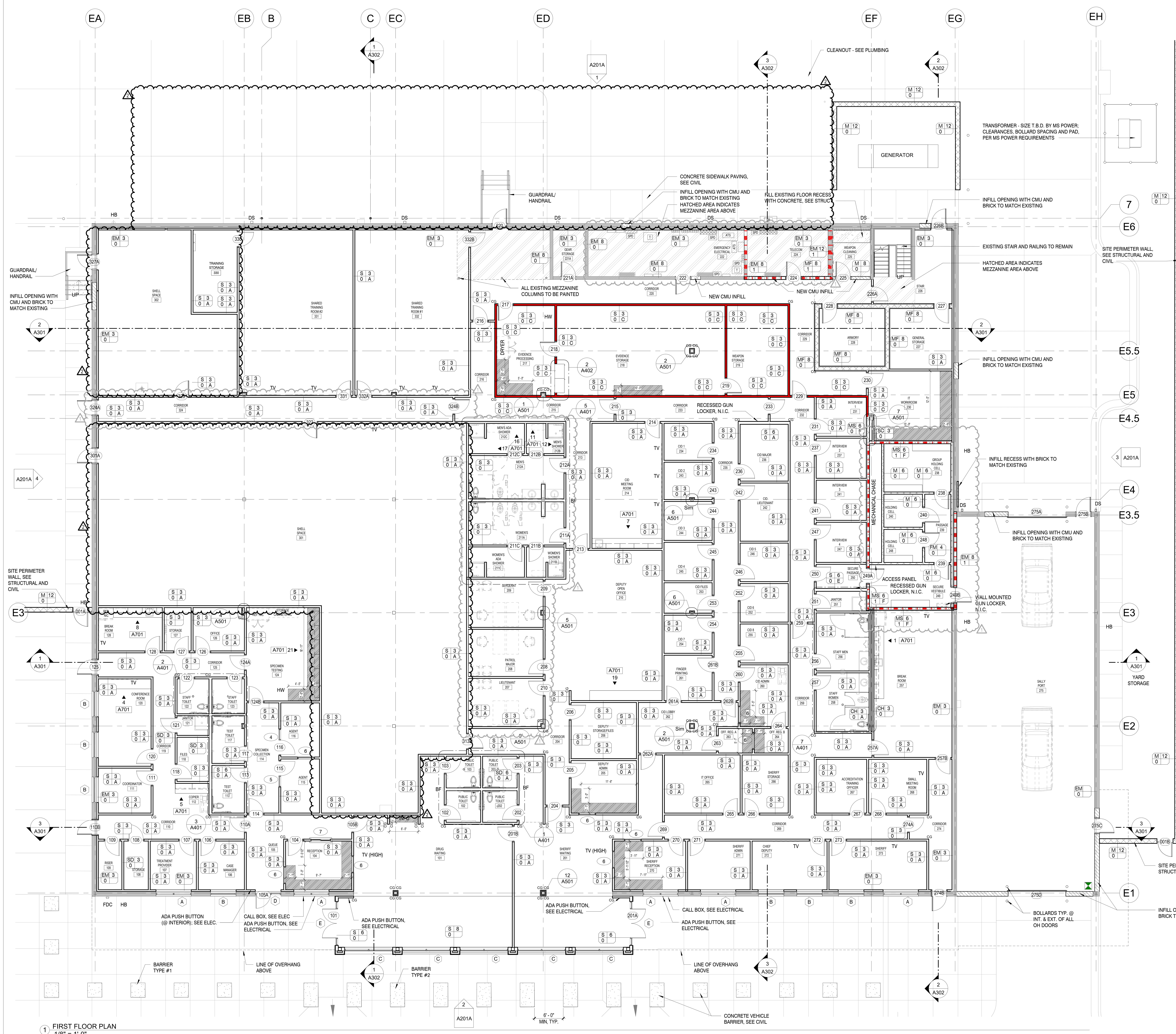
REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/06/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE

SITE PLAN - ALTERNATES

PROJECT NO.: 19-4894B
SHEET ISSUED: 03/18/2021
DRAWN BY: CL
REVIEWED BY: JS
SHEET NO. A100A



1 FIRST FLOOR PLAN
1/8" = 1'-0"

GENERAL FLOOR PLAN NOTES:

1. NOT EVERY CONDITION HAS BEEN DETAILED. WHERE SPECIFIC DETAILING IS NOT SHOWN, EXECUTE THE CONSTRUCTION IN A SOUND, WORKMAN-LIKE MANNER CONSISTENT WITH ACCEPTED BUILDING PRACTICES AND WITH OTHER DETAILING SHOWN.
2. SEE ELECTRICAL FOR SIZE, LOCATION, AND TYPES OF LIGHTING. SEE EXTERIOR ELEVATIONS A-201 FOR POSITIONING OF LIGHTS ON EXTERIOR WALLS.
3. SEE CIVIL FOR CONCRETE SIDEWALK CONTROL JOINT LAYOUTS.
4. ALL APPLIANCES ARE OWNER FURNISHED, INCLUDING COPY MACHINES, PRINTERS, REFRIGERATORS, ETC.
5. CONTRACTOR TO COORDINATE AND INSTALL ALL IN-WALL BLOCKING/BRACING AS REQUIRED FOR ALL MILLWORK ITEMS, FUTURE MILLWORK, EQUIPMENT, SHELVING,AND ACCESSORIES AS REQUIRED
6. CONTRACTOR SHALL LAYOUT SPACES AS INDICATED ON THE DRAWINGS AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES PRIOR TO INSTALLATION OF CONSTRUCTION MATERIALS.
7. REFER TO FINISH SCHEDULE AND FINISH PLAN FOR FLOOR, WALL AND OTHER FINISHES.
8. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FULLY FAMILIAR AND AWARE OF ANY AND ALL EXISTING CONDITIONS AND SITUATIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF PERFORMING WORK REQUIRED BY THE CONTRACT DOCUMENTS.
9. "EDF" INDICATES ELECTRIC DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS.
10. "NIC" REFERS TO ITEMS THAT ARE NOT IN CONTRACT.
11. "FD" INDICATES FLOOR DRAIN, SEE PLUMBING DRAWINGS.
12. DO ALL DEMOLITION WORK REQUIRED TO REMOVE EXISTING PAVING, FOUNDATIONS, SLABS, UNDERGROUND PIPING, MASONRY WALLS, INTERIOR PARTITION WALLS, CONDUIT, BUILDING FINISHES, DOORS, WINDOWS AS SHOWN ON THE DRAWINGS AND ANY OTHER NECESSARY ITEMS TO INSTALL ALL NEW WORK AS SHOWN.

GENERAL PARTITION NOTES:

1. EXTEND INTERIOR PARTITION WALLS 6" ABOVE FINISHED CEILING UNLESS NOTED OTHERWISE AND INSTALL ACOUSTICAL BATTS FULL HEIGHT IN WALL. BRACE AT CORNERS AND 4' O.C. MAX TO STRUCTURE ABOVE.
2. PROVIDE ACOUSTICAL JOINT INSULATION AT TOP AND BOTTOM OF EACH LAYER OF GYP BD FOR ALL PARTITIONS SCHEDULED TO RECEIVE SOUND ATTENUATION INSULATION
3. CONTRACTOR TO COORDINATE AND INSTALL PRESSURE TREATED WOOD BLOCKING AS REQUIRED FOR ALL MILLWORK ITEMS, EQUIPMENT, SHELVING, AND ACCESSORIES WHETHER ITEMS ARE BY CONTRACTOR OR BY OTHERS. COORDINATE WITH SPECIFIC ITEM SUPPLIER.
4. FOR TOILET ROOM PARTITIONS AND BEHIND ELECTRIC DRINKING FOUNTAINS, PROVIDE MOISTURE RESISTANT GYP BD IN LIEU OF STANDARD TYPE X GYP BD.
5. PROVIDE ACOUSTICAL BATTS ABOVE ALL CEILINGS RECEIVING LAY-IN ACOUSTICAL CEILINGS.
6. PROVIDE TILE BACKER BOARD IN LIEU OF GYP BD AT ALL LOCATIONS SCHEDULED TO RECEIVE WALL TILE FINISH. SEE FINISH SCHEDULE.
7. FINAL FINISHES ARE NOT INCLUDED ON PARTITION TYPES. SEE FINISH SCHEDULE.
8. PARTITION TYPES ARE INTENDED TO DESCRIBE BASIC MATERIALS AND ASSEMBLIES. FURR-OUTS, FURR-DOWNS, REVEALS, AND OTHER DESIGN FEATURES ARE DESCRIBED ON OTHER SHEETS IN THIS PLAN SET.

OPAQUE THERMAL ENVELOPE REQ'S

ROOFS	
INSULATION ENTIRELY ABOVE DECK	R-13 + R-11 LS
WALLS, ABOVE GRADE	
MASS	R-9.5 CI
METAL FRAMED	R-13 + R-6.5 CI
OPAQUE DOORS	
SWINGING	U-0.61
ROLL-UP OR SLIDING	R-4.75

FOR SI: 1 INCH = 25.4 MM. CI = CONTINUOUS INSULATION. NR = NO REQUIREMENT.

LEGEND:

- SOLID SURFACE COUNTERTOP, SEE MILLWORK DETAIL 3/A801. ALL MILLWORK DIMENSIONS TO BE FIELD VERIFIED BY THE CONTRACTOR
- INFILL EXISTING OPENING WITH CMU AND BRICK TO MATCH EXISTING, PAINTED
- HATCHED AREA INDICATES MEZZANINE AREA ABOVE
- FIRE RATED WALL, SEE LS101 LIFE SAFETY PLAN
- PARTITION WALL W.FULL HEIGHT SECUIRTY MESH, SEE A003 WALL TYPES
- CG — CORNER GUARD AS SPECIFIED

L P K architects

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PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

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SEAL

REGISTERED ARCHITECT ROBERT E. LUKE 1921 STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE

FIRST FLOOR PLAN - ALTERNATES

PROJECT NO.: 19-4894B
SHEET ISSUED: 03/18/2021
DRAWN BY: BA/CL
REVIEWED BY: JS
SHEET NO. A101A

GENERAL DIMENSIONING NOTES:

1. ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF METAL STUDS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS SHOWN WHICH INDICATE WINDOWS AND/OR BORROWED LITES ARE TO ROUGH OPENING OF WINDOW, UNLESS SPECIFICALLY NOTED OTHERWISE.

1 DIMENSION FLOOR PLAN
1/8" = 1'-0"

BUILDING NORTH
TRUE NORTH

LPK architects

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PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:
Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

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SEAL

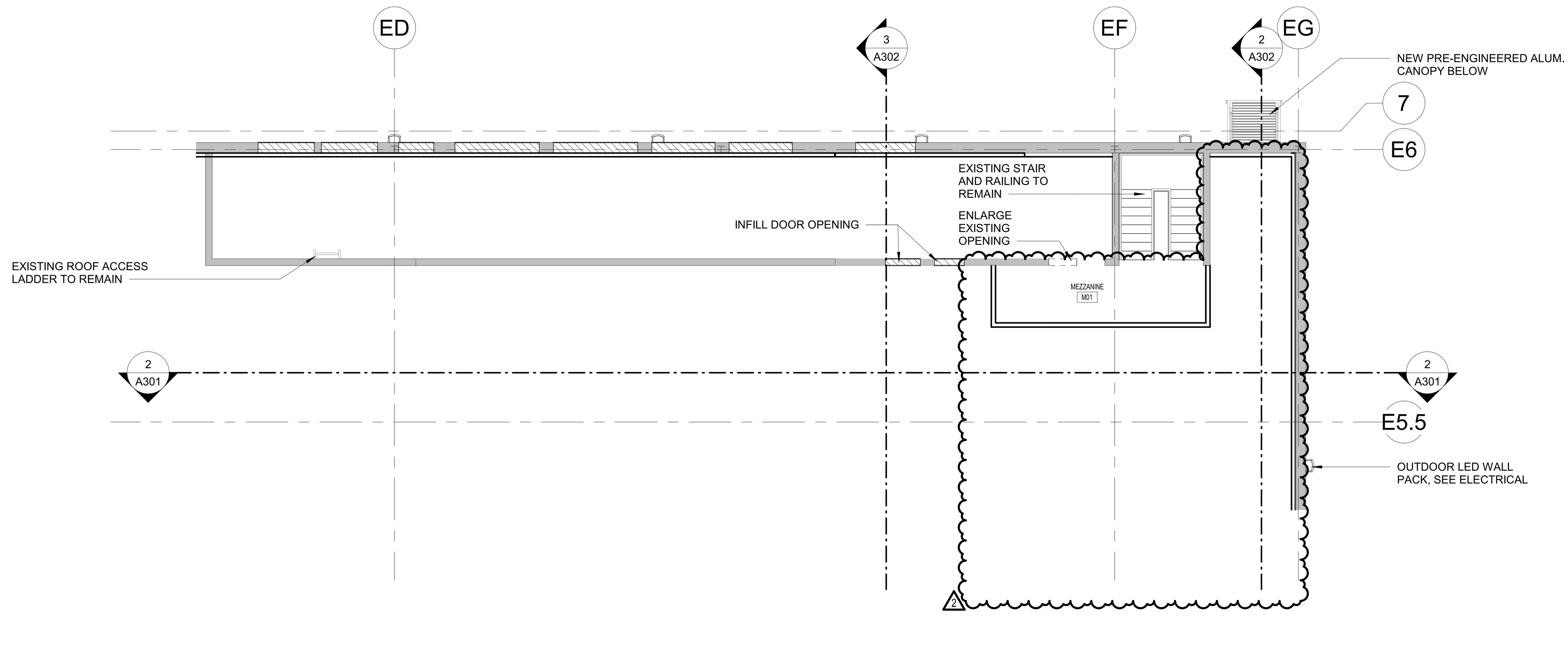
REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

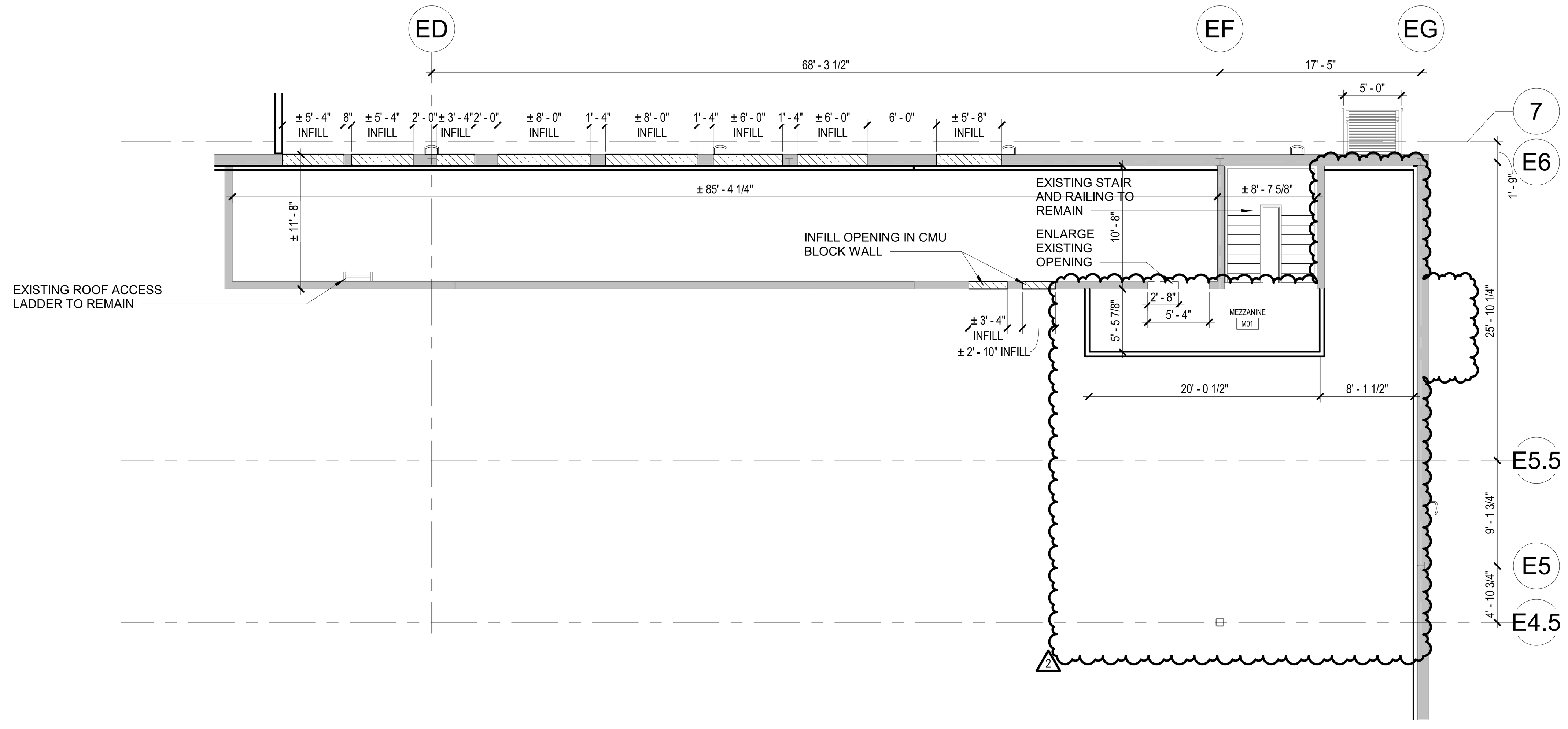
SHEET TITLE

DIMENSION FLOOR PLAN - ALTERNATES

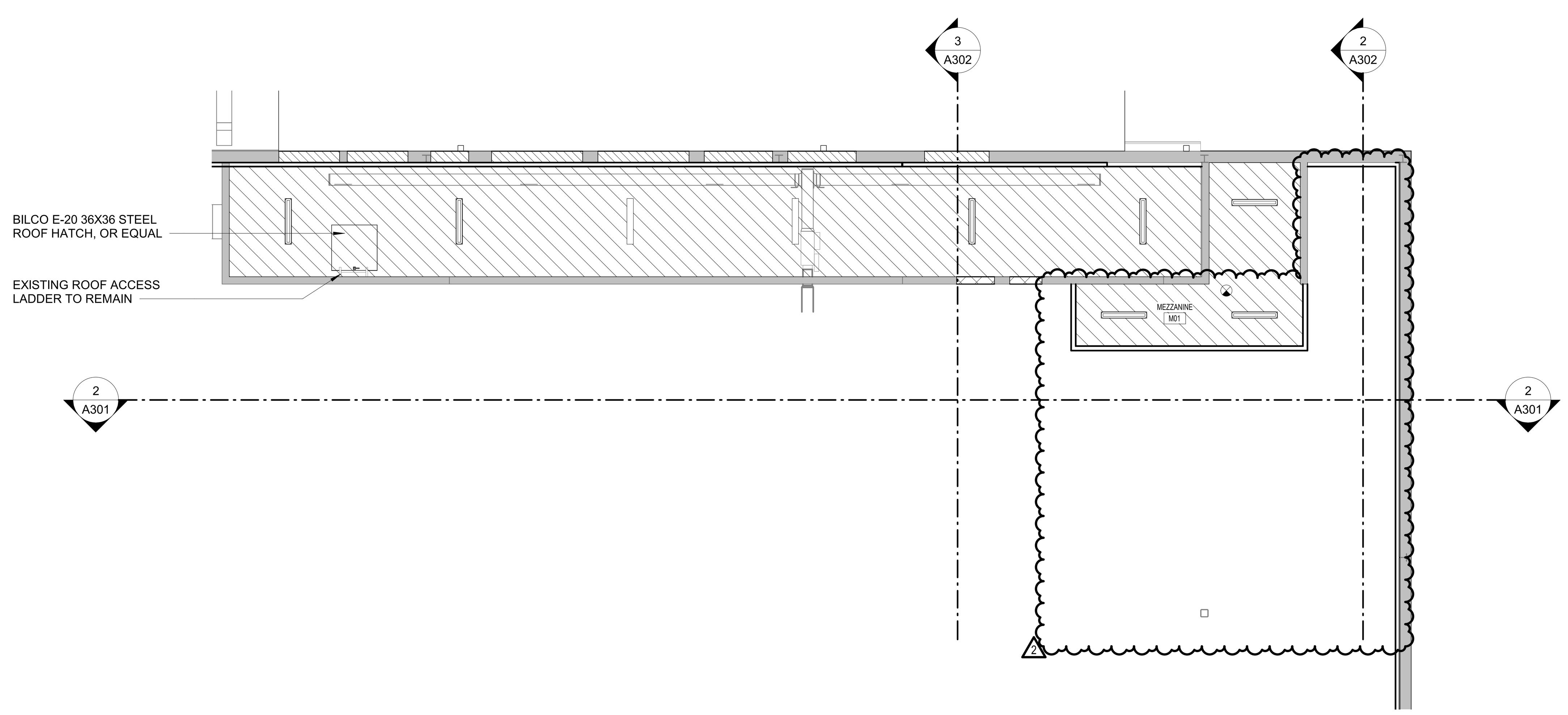
PROJECT NO.:	19-4894B
SHEET ISSUED:	03/18/2021
DRAWN BY:	CL
REVIEWED BY:	JS
SHEET NO.	A102A



1 MEZZANINE FLOOR PLAN
1/8" = 1'-0"



2 MEZZANINE DIMENSION FLOOR PLAN
1/8" = 1'-0"



3 MEZZANINE RCP
1/8" = 1'-0"

LEGEND:

- INFILL EXISTING OPENING WITH CMU AND BRICK TO MATCH EXISTING, PAINTED
- PARTITION WALL W.FULL HEIGHT SECUIRTY MESH, SEE A003 WALL TYPES

REFLECTED CEILING LEGEND

- 1X4 LED LAY-IN FIXTURE
- 2X2 LED LAY-IN FIXTURE
- RECESSED CAN LIGHT
- OUTDOOR LED WALL PACK
- LED LINEAR LIGHT FIXTURE
- COMBINATION EMERGENCY LIGHT AND EXIT LIGHT
- EXIT LIGHT
- HVAC SUPPLY DIFFUSER
- HVAC R/A GRILL
- EXHAUST FAN
- EXPOSED STRUCTURE TO BE PAINTED, TYP.
- 24"X24" ACOUSTICAL CEILING TILE (ACT2 UNLESS OTHERWISE NOTED)
- EXPOSED UNDERSIDE OF CONCRETE CAP
- 5/8" GYP. BD. CEILING (TO BE PAINTED P1 UNLESS NOTED OTHERWISE)
- PREFINISHED FLUSH SEAM ALUMINUM SOFFIT
- 9'-0" A.F.F. CEILING HEIGHT UNLESS OTHERWISE NOTED

GENERAL FLOOR PLAN NOTES:

1. NOT EVERY CONDITION HAS BEEN DETAILED. WHERE SPECIFIC DETAILING IS NOT SHOWN, EXECUTE THE CONSTRUCTION IN A SOUND, WORKMAN-LIKE MANNER CONSISTENT WITH ACCEPTED BUILDING PRACTICES AND WITH OTHER DETAILING SHOWN.
2. SEE ELECTRICAL FOR SIZE, LOCATION, AND TYPES OF LIGHTING. SEE EXTERIOR ELEVATIONS A-201 FOR POSITIONING OF LIGHTS ON EXTERIOR WALLS.
3. SEE CIVIL FOR CONCRETE SIDEWALK CONTROL JOINT LAYOUTS.
4. ALL APPLIANCES ARE OWNER FURNISHED, INCLUDING COPY MACHINES, PRINTERS, REFRIGERATORS, ETC.
5. CONTRACTOR TO COORDINATE AND INSTALL ALL IN-WALL BLOCKING/BRACING AS REQUIRED FOR ALL MILLWORK ITEMS, FUTURE MILLWORK, EQUIPMENT, SHELVING,AND ACCESSORIES AS REQUIRED
6. CONTRACTOR SHALL LAYOUT SPACES AS INDICATED ON THE DRAWINGS AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES PRIOR TO INSTALLATION OF CONSTRUCTION MATERIALS.
7. REFER TO FINISH SCHEDULE AND FINISH PLAN FOR FLOOR, WALL AND OTHER FINISHES.
8. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FULLY FAMILIAR AND AWARE OF ANY AND ALL EXISTING CONDITIONS AND SITUATIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF PERFORMING WORK REQUIRED BY THE CONTRACT DOCUMENTS.
9. "EDF" INDICATES ELECTRIC DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS.
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11. "FD" INDICATES FLOOR DRAIN, SEE PLUMBING DRAWINGS.
12. DO ALL DEMOLITION WORK REQUIRED TO REMOVE EXISTING PAVING, FOUNDATIONS, SLABS, UNDERGROUND PIPING, MASONRY WALLS, INTERIOR PARTITION WALLS, CONDUIT, BUILDING FINISHES, DOORS, WINDOWS AS SHOWN ON THE DRAWINGS AND ANY OTHER NECESSARY ITEMS TO INSTALL ALL NEW WORK AS SHOWN.

GENERAL DIMENSIONING NOTES:

1. ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF METAL STUDS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS SHOWN WHICH INDICATE WINDOWS AND/OR BORROWED LITES ARE TO ROUGH OPENING OF WINDOW, UNLESS SPECIFICALLY NOTED OTHERWISE.

GENERAL CEILING PLAN NOTES:

1. CONTRACTOR TO COORDINATE WITH MECHANICAL & ELECTRICAL DRAWINGS FOR ITEMS LOCATED IN CEILINGS FOR ALL COMPONENTS NOT SHOWN ON THIS SHEET.
2. THE CONTRACTOR SHALL VERIFY THAT ACCESS PANELS OF APPROPRIATE SIZE & TYPE ARE INSTALLED IN GYP BD CEILINGS OR SOFFITS, AND IN OTHER NON-ACCESSIBLE TYPE CEILINGS OR SOFFITS WHERE ACCESS, SERVICE, OR ADJUSTMENT TO MECHANICAL, PLUMBING, FIRE PROTECTION, OR ELECTRICAL SYSTEMS MAY BE REQUIRED. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO LOCATE ALL SYSTEM COMPONENTS, ETC. REQUIRING ACCESS ABOVE ACCESSIBLE CEILINGS. LOCATION(S) OF ALL ACCESS PANELS TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL ADVISE THE OWNER THAT ITEMS SHALL NOT BE PLACED OR STORED ON TOP OF SUCH SHELVING SO THAT THE CODE REQUIRED 18" VERTICAL CLEARANCE IS MAINTAINED.
4. CONTRACTOR SHALL INSTALL GRID ALIGNED THROUGH DOORWAYS AND CENTERED ON CORRIDORS UNLESS NOTED OTHERWISE (UNO). START GRID LAYOUT WITH DIMENSIONS AS SHOWN ON PLANS.
5. CONTRACTOR SHALL COORDINATE CEILING HEIGHTS AND INSTALLATION OF CEILING AND ABOVE-CEILING COMPONENTS WITH ALL TRADES AND REPORT ANY CONFLICTS TO THE ARCHITECT IMMEDIATELY. CONTRACTOR IS RESPONSIBLE FOR COORDINATION.
6. COORDINATE ALL CEILING COMPONENTS W/ THE ENTIRE CONSTRUCTION DOCUMENTS SET.
7. CONTRACTOR SHALL INSTALL SOUND ATTENUATION BLANKETS ABOVE ALL CEILINGS.
8. WHERE ACT UNITS LESS THAN 6" WIDE WOULD OCCUR AT EDGES OF ROOM WITH 24" X 24" PATTERN, PROVIDE 24" X 48" PANELS CUT TO EXTEND TO WALL, ELIMINATING THE TEE NEAR THE WALL.
9. ALL CAN LIGHTS AND SPRINKLER HEADS TO BE CENTERED WITHIN 2X2 GRID WHERE APPLICABLE.

BUILDING NORTH TRUE NORTH

LPK architects

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PROJECT INFORMATION

PROJECT:

THE GREAT SEAL OF THE STATE OF MISSISSIPPI

Lauderdale County
Public Safety Building

PROJECT ADDRESS:
Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

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SEAL

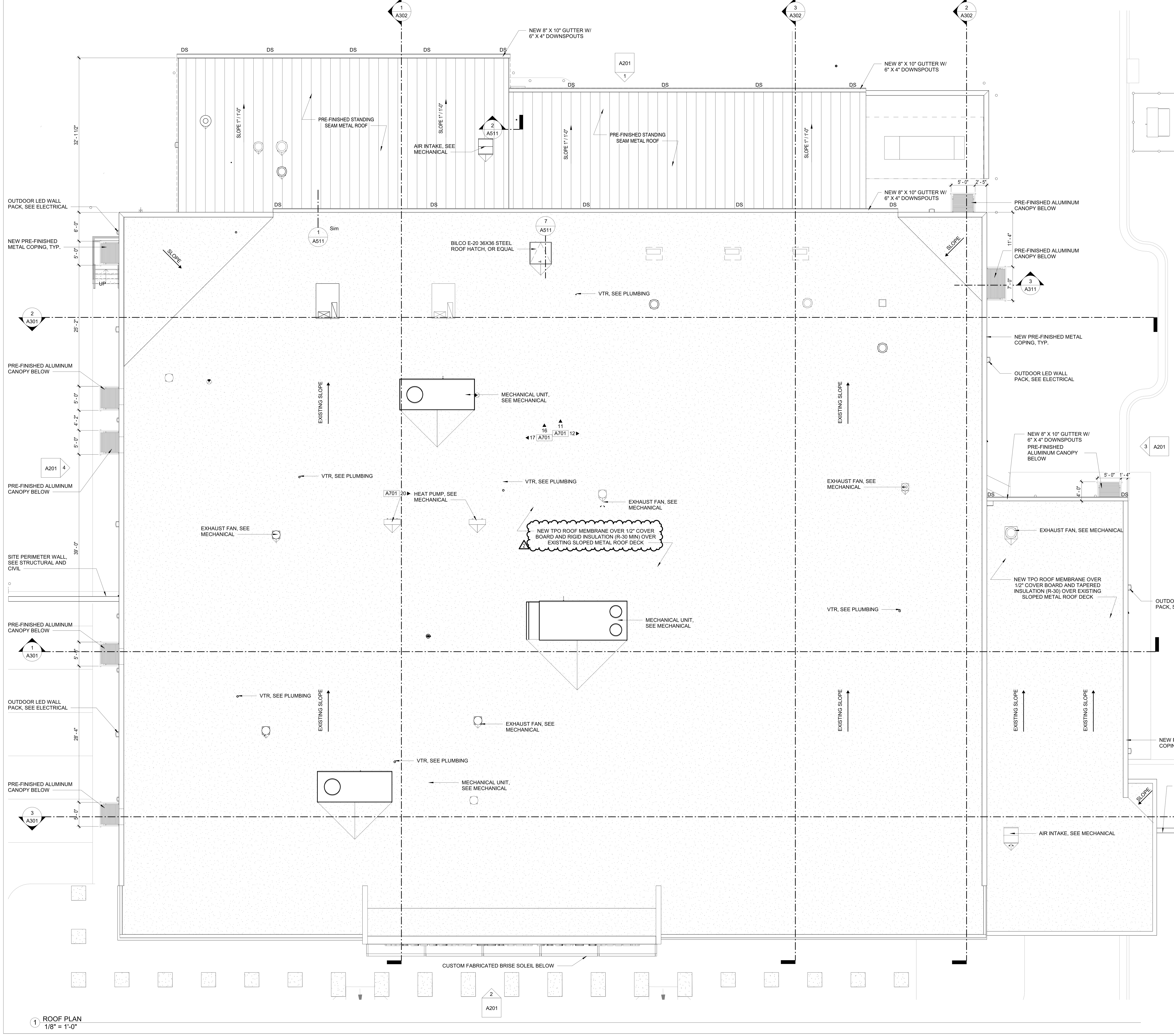
REGISTERED ARCHITECT ROBERT E. LUKE 1921 STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	04/30/2021	ADDENDUM #3

SHEET TITLE
MEZZANINE PLAN - ALTERNATES

PROJECT NO.: 19-4894B
SHEET ISSUED: 03/18/2021
DRAWN BY: CL
REVIEWED BY: JS
SHEET NO. A103A



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

GENERAL ROOF PLAN NOTES:

1. VERIFY ALL ROOF PENETRATION LOCATIONS, NOTIFY THE ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE IDENTIFIED.
2. NOT ALL ROOF PENETRATIONS ARE SHOWN, SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. NOT ALL ROOFING CONDITIONS HAVE BEEN ILLUSTRATED. ALL FLASHING CONDITIONS TO BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.
4. INSTALL TPO ROOFING AS SPECIFIED ON ALL ROOF AREAS INDICATED. INSTALL TAPERED INSULATION SYSTEM AS SPECIFIED. INSTALL REQUIRED BLOCKING AS REQUIRED TO ACHIEVE MINIMUM SLOPE AND AS PER MANUFACTURERS RECOMMENDATIONS AND STANDARD DETAILS.
5. INSTALL ROOFING WITH ALL NECESSARY/REQUIRED ACCESSORIES WITH MANUFACTURERS SPECIFICATIONS AND STANDARD DETAILS. INSTALL ALL NECESSARY FLASHINGS, SEALANTS, ETC. AS REQUIRED AND AS PER MANUFACTURER'S RECOMMENDATIONS AND STANDARD DETAILS TO ENSURE WATERTIGHT SEAL OF THE ENTIRE ROOF SYSTEM AND ALL PENETRATIONS.
6. COLOR OF ALL ITEMS TO BE APPROVED BY ARCHITECT PRIOR TO ORDERING/INSTALLATION INCLUDING BUT NOT LIMITED TO STANDING SEAM METAL ROOFING, FLASHING, TRIM, FASCIA, SOFFIT, DOWNSPOUT, AND GUTTER, ETC.
7. "DS" INDICATES 6" X 4" PREFINISHED METAL DOWNSPOUT. SEE EXTERIOR ELEVATIONS. SEE CIVIL FOR UNDERGROUND STORMWATER CONNECTIONS.
8. “VTR" INDICATES VENT THRU ROOF, SEE DETAIL 3/A-103.
9. "RTU" INDICATED ROOF TOP UNIT, SEE MECHANICAL.

ROOF LEGEND

- NEW TPO ROOF MEMBRANE OVER 1/2" COVER BOARD AND TAPERED INSULATION (R-30) OVER EXISTING SLOPED METAL ROOF DECK
- PRE-FINISHED STANDING SEAM METAL ROOF
- ROOF CRICKET
- PRE-FINISHED ALUMINUM CANOPY EQUAL TO MAPES ARCHITECTURAL CANOPIES SUPER LUMIDECK FLAT SOFFIT

L P K architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect
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P: 601.693.9990
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PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:
Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL

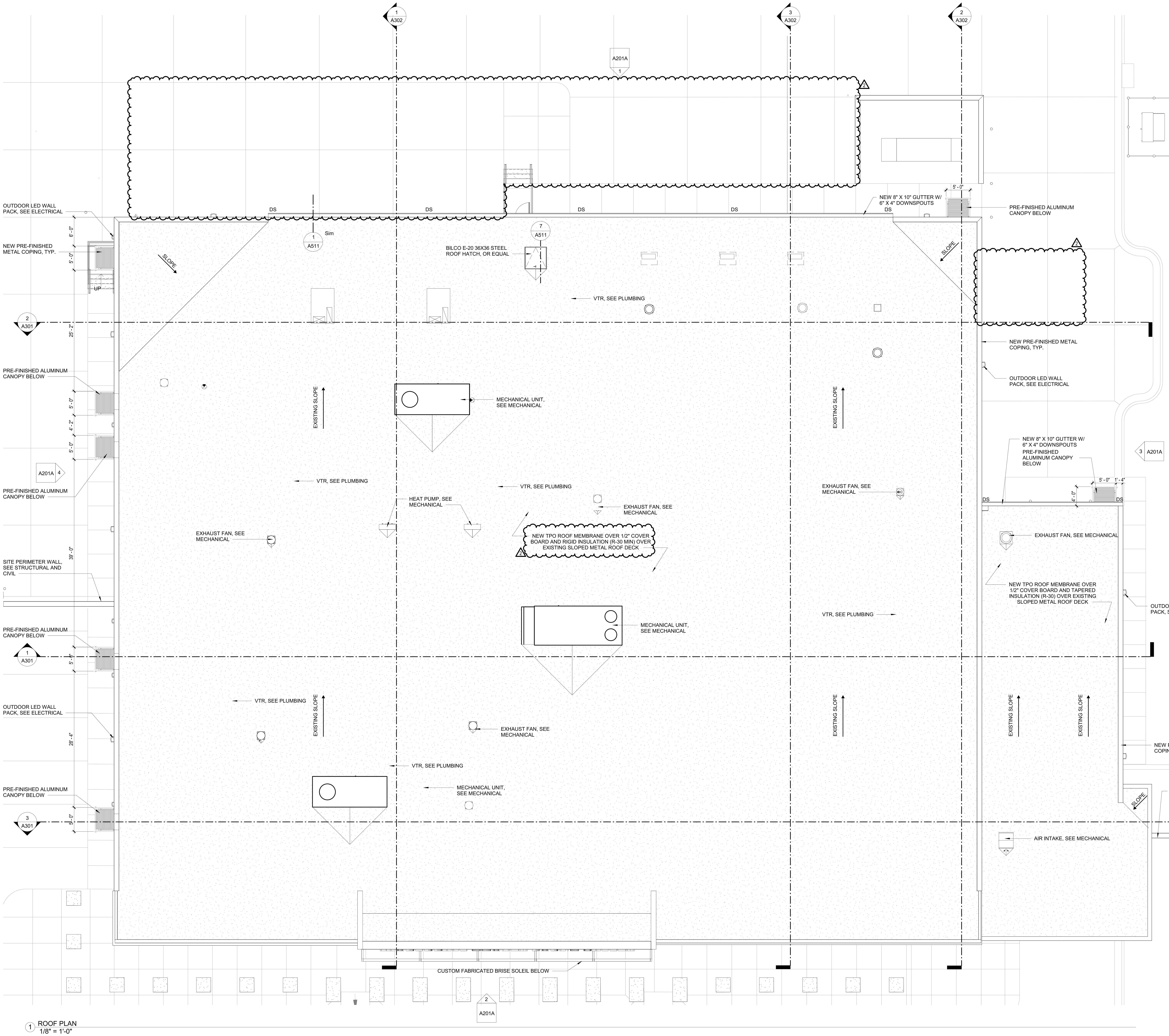
REGISTERED ARCHITECT ROBERT E. LUKE 1921 STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	04/30/2021	ADDENDUM #3

SHEET TITLE
ROOF PLAN

PROJECT NO.:	19-4894B
SHEET ISSUED:	03/18/2021
DRAWN BY:	CL
REVIEWED BY:	JS
SHEET NO.	A104



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

GENERAL ROOF PLAN NOTES:

1. VERIFY ALL ROOF PENETRATION LOCATIONS, NOTIFY THE ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE IDENTIFIED.
2. NOT ALL ROOF PENETRATIONS ARE SHOWN, SEE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. NOT ALL ROOFING CONDITIONS HAVE BEEN ILLUSTRATED. ALL FLASHING CONDITIONS TO BE INSTALLED PER MANUFACTURER RECOMMENDATIONS.
4. INSTALL TPO ROOFING AS SPECIFIED ON ALL ROOF AREAS INDICATED. INSTALL TAPERED INSULATION SYSTEM AS SPECIFIED. INSTALL REQUIRED BLOCKING AS REQUIRED TO ACHIEVE MINIMUM SLOPE AND AS PER MANUFACTURERS RECOMMENDATIONS AND STANDARD DETAILS.
5. INSTALL ROOFING WITH ALL NECESSARY/REQUIRED ACCESSORIES WITH MANUFACTURERS SPECIFICATIONS AND STANDARD DETAILS. INSTALL ALL NECESSARY FLASHINGS, SEALANTS, ETC. AS REQUIRED AND AS PER MANUFACTURER'S RECOMMENDATIONS AND STANDARD DETAILS TO ENSURE WATERTIGHT SEAL OF THE ENTIRE ROOF SYSTEM AND ALL PENETRATIONS.
6. COLOR OF ALL ITEMS TO BE APPROVED BY ARCHITECT PRIOR TO ORDERING/INSTALLATION INCLUDING BUT NOT LIMITED TO STANDING SEAM METAL ROOFING, FLASHING, TRIM, FASCIA, SOFFIT, DOWNSPOUT, AND GUTTER, ETC.
7. "DS" INDICATES 6" X 4" PREFINISHED METAL DOWNSPOUT. SEE EXTERIOR ELEVATIONS. SEE CIVIL FOR UNDERGROUND STORMWATER CONNECTIONS.
8. “VTR" INDICATES VENT THRU ROOF, SEE DETAIL 3/A-103.
9. "RTU" INDICATED ROOF TOP UNIT, SEE MECHANICAL.

ROOF LEGEND

	NEW TPO ROOF MEMBRANE OVER 1/2" COVER BOARD AND TAPERED INSULATION (R-30) OVER EXISTING SLOPED METAL ROOF DECK
	PRE-FINISHED STANDING SEAM METAL ROOF
	ROOF CRICKET
	PRE-FINISHED ALUMINUM CANOPY EQUAL TO MAPES ARCHITECTURAL CANOPIES SUPER LUMIDECK FLAT SOFFIT

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PROJECT INFORMATION

PROJECT:

THE GREAT SEAL OF THE STATE OF MISSISSIPPI

Lauderdale County
Public Safety Building

PROJECT ADDRESS:
Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

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SEAL

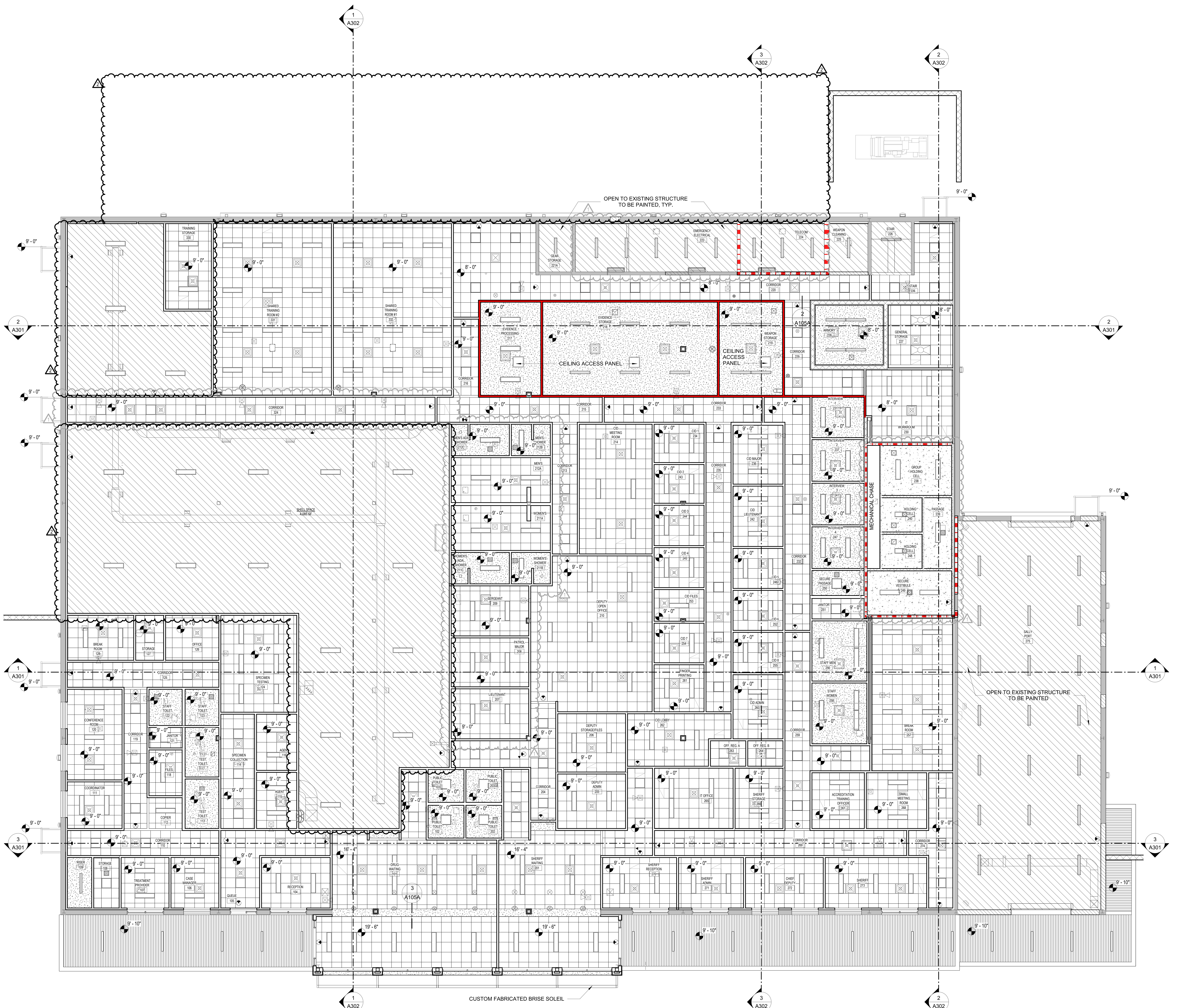
REGISTERED ARCHITECT ROBERT E. LUKE 1921 STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	04/30/2021	ADDENDUM #3

SHEET TITLE
ROOF PLAN - ALTERNATES

PROJECT NO.: 19-4894B
SHEET ISSUED: 03/18/2021
DRAWN BY: CL
REVIEWED BY: JS
SHEET NO. A104A



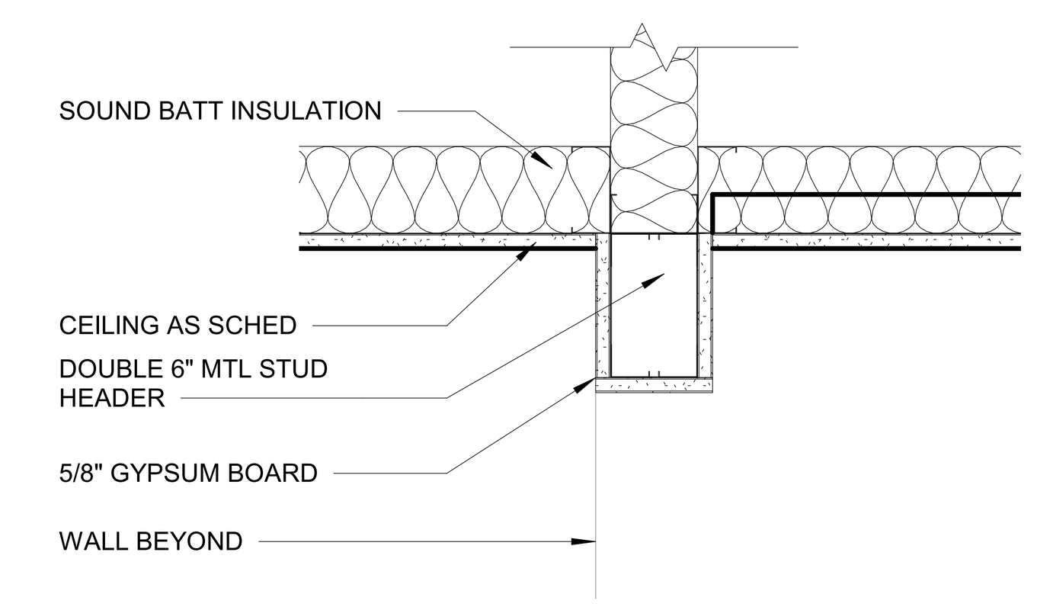
1 REFLECTED CEILING PLAN
1/8" = 1'-0"

REFLECTED CEILING LEGEND

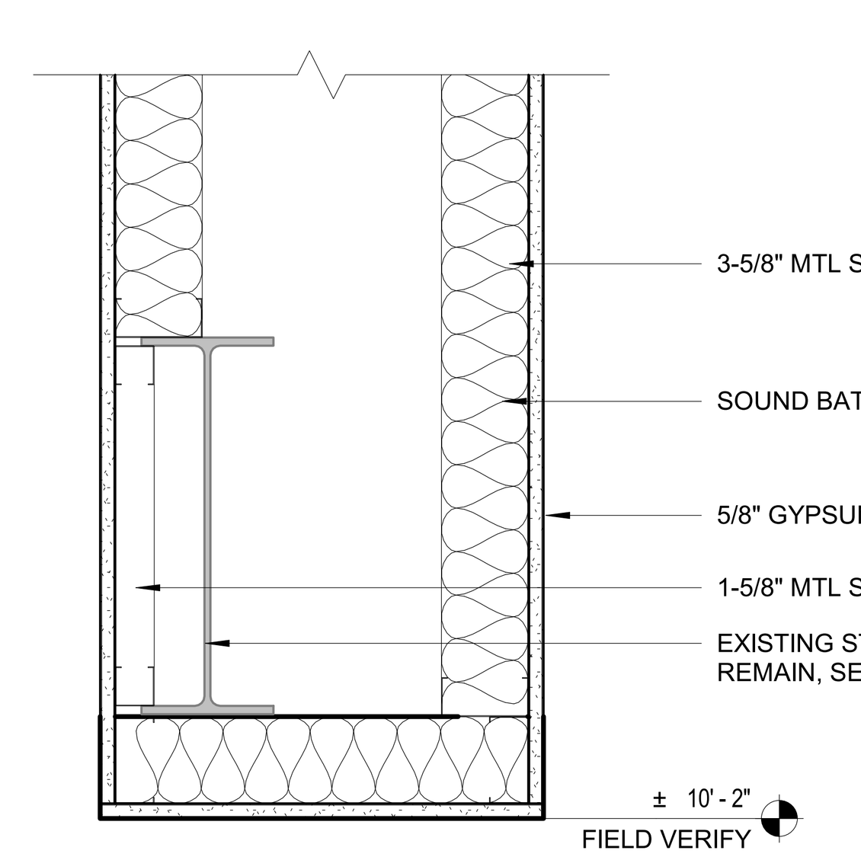
	1X4 LED LAY-IN FIXTURE
	2X2 LED LAY-IN FIXTURE
	RECESSED CAN LIGHT
	OUTDOOR LED WALL PACK
	LED LINEAR LIGHT FIXTURE
	COMBINATION EMERGENCY LIGHT AND EXIT LIGHT
	EXIT LIGHT
	HVAC SUPPLY DIFFUSER
	HVAC R/A GRILL
	EXHAUST FAN
	EXPOSED STRUCTURE TO BE PAINTED, TYP.
	24"X24" ACOUSTICAL CEILING TILE (ACT2 UNLESS OTHERWISE NOTED)
	EXPOSED UNDERSIDE OF CONCRETE CAP
	5/8" GYP. BD. CEILING (TO BE PAINTED P1 UNLESS NOTED OTHERWISE)
	PREFINISHED FLUSH SEAM ALUMINUM SOFFIT
9'-0" A.F.F.	CEILING HEIGHT UNLESS OTHERWISE NOTED

GENERAL CEILING PLAN NOTES:

1. CONTRACTOR TO COORDINATE WITH MECHANICAL & ELECTRICAL DRAWINGS FOR ITEMS LOCATED IN CEILINGS FOR ALL COMPONENTS NOT SHOWN ON THIS SHEET.
2. THE CONTRACTOR SHALL VERIFY THAT ACCESS PANELS OF APPROPRIATE SIZE & TYPE ARE INSTALLED IN GYP BD CEILINGS OR SOFFITS, AND IN OTHER NON-ACCESSIBLE TYPE CEILINGS OR SOFFITS WHERE ACCESS, SERVICE, OR ADJUSTMENT TO MECHANICAL, PLUMBING, FIRE PROTECTION, OR ELECTRICAL SYSTEMS MAY BE REQUIRED. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO LOCATE ALL SYSTEM COMPONENTS, ETC. REQUIRING ACCESS ABOVE ACCESSIBLE CEILINGS. LOCATION(S) OF ALL ACCESS PANELS TO BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
3. THE CONTRACTOR SHALL ADVISE THE OWNER THAT ITEMS SHALL NOT BE PLACED OR STORED ON TOP OF SUCH SHELVING SO THAT THE CODE REQUIRED 18" VERTICAL CLEARANCE IS MAINTAINED.
4. CONTRACTOR SHALL INSTALL GRID ALIGNED THROUGH DOORWAYS AND CENTERED ON CORRIDORS UNLESS NOTED OTHERWISE (UNO). START GRID LAYOUT WITH DIMENSIONS AS SHOWN ON PLANS.
5. CONTRACTOR SHALL COORDINATE CEILING HEIGHTS AND INSTALLATION OF CEILING AND ABOVE-CEILING COMPONENTS WITH ALL TRADES AND REPORT ANY CONFLICTS TO THE ARCHITECT IMMEDIATELY. CONTRACTOR IS RESPONSIBLE FOR COORDINATION.
6. COORDINATE ALL CEILING COMPONENTS W/ THE ENTIRE CONSTRUCTION DOCUMENTS SET.
7. CONTRACTOR SHALL INSTALL SOUND ATTENUATION BLANKETS ABOVE ALL CEILINGS.
8. WHERE ACT UNITS LESS THAN 6" WIDE WOULD OCCUR AT EDGES OF ROOM WITH 24" X 24" PATTERN, PROVIDE 24" X 48" PANELS CUT TO EXTEND TO WALL, ELIMINATING THE TEE NEAR THE WALL.
9. ALL CAN LIGHTS AND SPRINKLER HEADS TO BE CENTERED WITHIN 2X2 GRID WHERE APPLICABLE.



2 SECTION DETAIL
1 1/2" = 1'-0"



3 SECTION DETAIL
1 1/2" = 1'-0"

BUILDING NORTH | TRUE NORTH

LPK architects

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PROJECT INFORMATION
PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:
Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE
- ☐ FOR REVIEW ONLY
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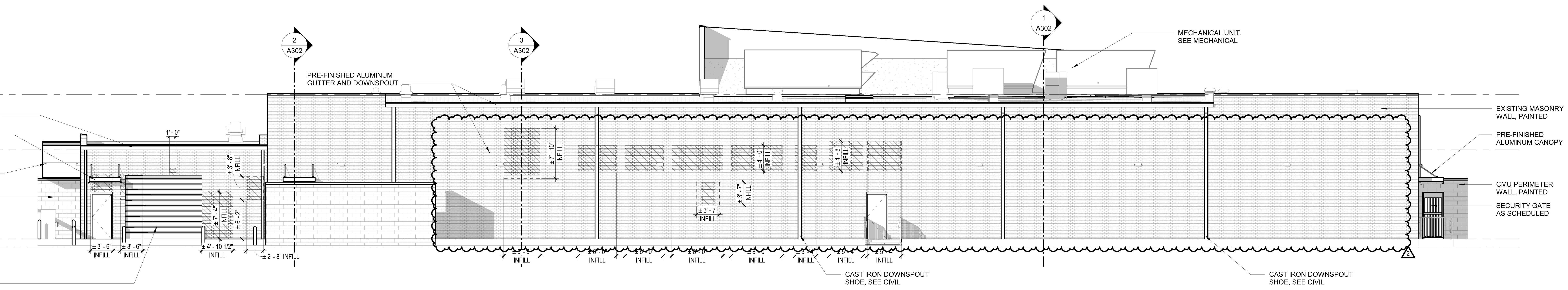
SEAL
REGISTERED ARCHITECT ROBERT E. LUKE 1921 STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

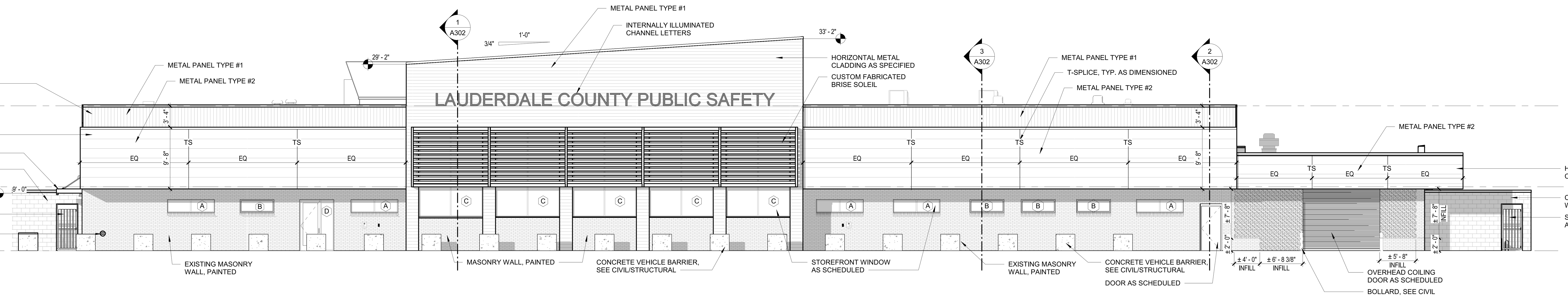
NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE
REFLECTED CEILING PLAN & DETAILS - ALTERNATE

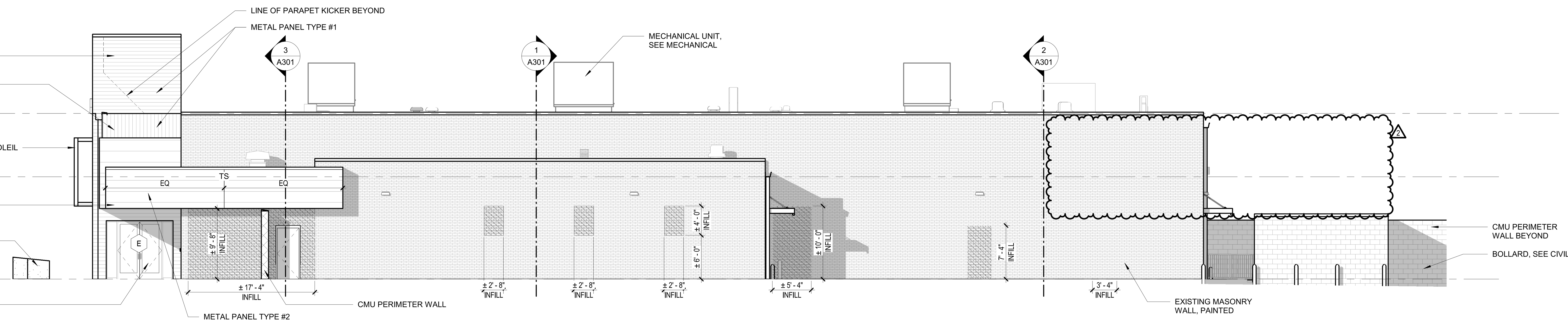
PROJECT NO.: 19-4894B
SHEET ISSUED: 03/18/2021
DRAWN BY: CL
REVIEWED BY: JS
SHEET NO. A105A



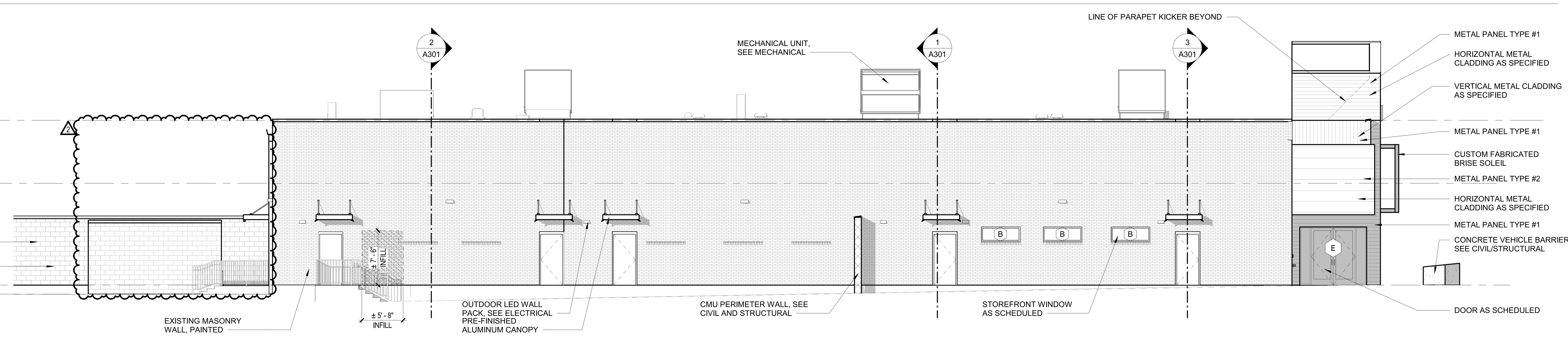
1 NORTH ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"



3 EAST ELEVATION
1/8" = 1'-0"



4 WEST ELEVATION
1/8" = 1'-0"

EXTERIOR ELEVATIONS GENERAL NOTES:

1. REPOINT/REPAIR EXISTING MASONRY AS REQUIRED, TYPICAL

LPK architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect

PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:
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612 22nd Avenue
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KEY PLAN

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SEAL

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	04/30/2021	ADDENDUM #3

SHEET TITLE
EXTERIOR ELEVATIONS - ALTERNATES

PROJECT NO.:	19-4894B
SHEET ISSUED:	03/18/2021
DRAWN BY:	CL
REVIEWED BY:	JS

SHEET NO.
A201A

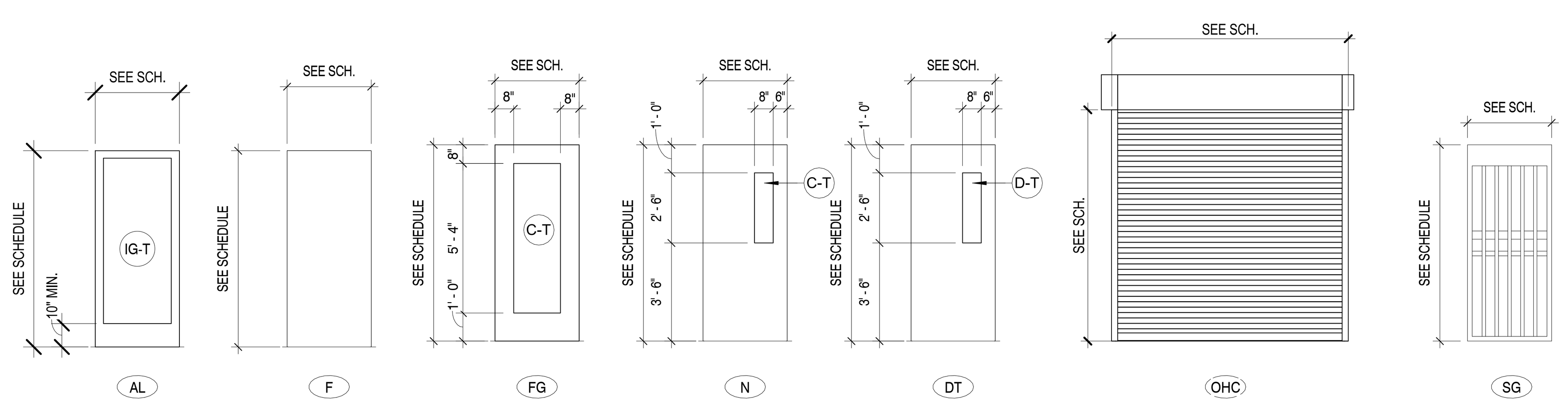
DOOR SCHEDULE

NUMBER	DOOR D-TYPE	DOOR D-MATL	DOOR SINGLE/PAIR	DOOR WIDTH	DOOR HEIGHT	DOOR THICK	DOOR FINISH	FRAME F-TYPE	FRAME F-MATL	FRAME F-FINISH	LABEL	REMARKS
001A	SG	STL	SINGLE	3' - 0"	7' - 0"		PTD		STL	PTD		ACCESS CONTROL, SECURITY GATE
001B	SG	STL	SINGLE	3' - 0"	7' - 0"		PTD		STL	PTD		ACCESS CONTROL, SECURITY GATE
101	AL	AL	PAIR	6' - 0"	7' - 10"	1 3/4"	FACTORY	10	AL	FACTORY		ACCESS CONTROL / ADA BUTTON INTERIOR / EXTERIOR / SEE WINDOW ELEVATION 'E'
102	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
103	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
104	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
105A	AL	AL	SINGLE	3' - 0"	7' - 10"	1 3/4"	FACTORY	9	AL	FACTORY		ACCESS CONTROL / ADA BUTTON INTERIOR / SEE EXTERIOR WINDOW ELEVATION 'D'
105B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
106	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
107	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
108	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
109	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
110A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
110B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
111	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
113	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
114	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
115	FG	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	5	HM	PTD		
116	FG	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	4	HM	PTD		
117	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
118	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
120	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
121	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
122	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
123	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
124A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
124B	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
125	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
126	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
127	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
128	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
201A	AL	HM	PAIR	6' - 0"	7' - 10"	1 3/4"	PTD	10	HM	PTD		ACCESS CONTROL / ADA BUTTON INTERIOR / EXTERIOR / SEE WINDOW ELEVATION 'E'
201B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
202	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
203	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
204	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
205	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
206	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
208	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
209	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
210	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
211A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
211B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
211C	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
212A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
212B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
212C	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
213	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
214	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
215	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
216	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
217	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	1	HM	PTD		
218	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	1	HM	PTD		ACCESS CONTROL
219	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	1	HM	PTD		ACCESS CONTROL
220	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
221A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
222	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
224	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD	45 MIN	
225	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
226A	N	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	1	HM	PTD		
226B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
227	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
228	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL, HARDENED DOOR
229	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
230	F	WD	SINGLE	3' - 1"	7' - 0"	1 3/4"	STAINED	2	HM	PTD		ACCESS CONTROL
231	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
233	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
234	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
236	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
237	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
238	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD		DETENTION DOOR ASSEMBLY
239	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD		ACCESS CONTROL, DETENTION DOOR ASSMEBLY
240	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD		DETENTION DOOR ASSEMBLY
241	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
242	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
243	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
244	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
245	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
246	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		

DOOR SCHEDULE

NUMBER	DOOR D-TYPE	DOOR D-MATL	DOOR SINGLE/PAIR	DOOR WIDTH	DOOR HEIGHT	DOOR THICK	DOOR FINISH	FRAME F-TYPE	FRAME F-MATL	FRAME F-FINISH	LABEL	REMARKS
247	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
248	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD		DETENTION DOOR ASSEMBLY
249A	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD	45 MIN	ACCESS CONTROL, DETENTION DOOR ASSMEBLY
249B	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD	45 MIN	ACCESS CONTROL, DETENTION DOOR ASSMEBLY
250	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL, DETENTION DOOR ASSMEBLY
251	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
252	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
253	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
254	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
255	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
256	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
257	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
257A	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
257B	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
259	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
260	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
261A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
261B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
262A	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
262B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
263	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
264	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
265	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
266	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
267	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
268	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
269	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
270	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
271	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
272	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
273	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
274A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
274B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
275A	OHC	FACTORY	SINGLE	12' - 0"	10' - 0"	0"	FACTORY		FACTORY	FACTORY		ELECTRIC OVERHEAD DOOR
275B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
275C	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
275D	OHC	FACTORY	SINGLE	12' - 0"	10' - 0"	0"	FACTORY		FACTORY	FACTORY		ELECTRIC OVERHEAD DOOR
276A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
276B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
276C	OHC	FACTORY	SINGLE	10' - 0"	10' - 0"	0"	FACTORY		FACTORY	FACTORY		ELECTRIC OVERHEAD DOOR
276D	OHC	FACTORY	SINGLE	12' - 0"	10' - 0"	0"	FACTORY		FACTORY	FACTORY		ELECTRIC OVERHEAD DOOR
276E	OHC	FACTORY	SINGLE	10' - 0"	10' - 0"	0"	FACTORY		FACTORY	FACTORY		ELECTRIC OVERHEAD DOOR
301A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
301B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
301C	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
302	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
304	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
305	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
306	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
307	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
308	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
309	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
310	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
311	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
312	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
313A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	2	HM	PTD		ACCESS CONTROL, HARDENED DOOR
313B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	2	HM	PTD		ACCESS CONTROL, HARDENED DOOR
313C	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		HARDENED DOOR
313D	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL, HARDENED DOOR
314	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
315	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD	45 MIN	ACCESS CONTROL
316	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
317	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
318	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
319	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1				
320	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD	45 MIN	ACCESS CONTROL
321	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
322	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
323	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
324A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
324B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
325	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
326	F	WD	PAIR	5' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
327A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		EMERGENCY EXIT ONLY
327B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD	45 MIN	
328	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
329	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
330	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
331	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
332A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
332B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
333	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
334	F	HM	SINGLE	4' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
335A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
335B	OHC	FACTORY	SINGLE	10' - 0"	10' - 0"	0"	FACTORY		FACTORY	FACTORY		ELECTRIC OVERHEAD DOOR
M01	F	HM	PAIR	5' - 4"	7' - 2"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL

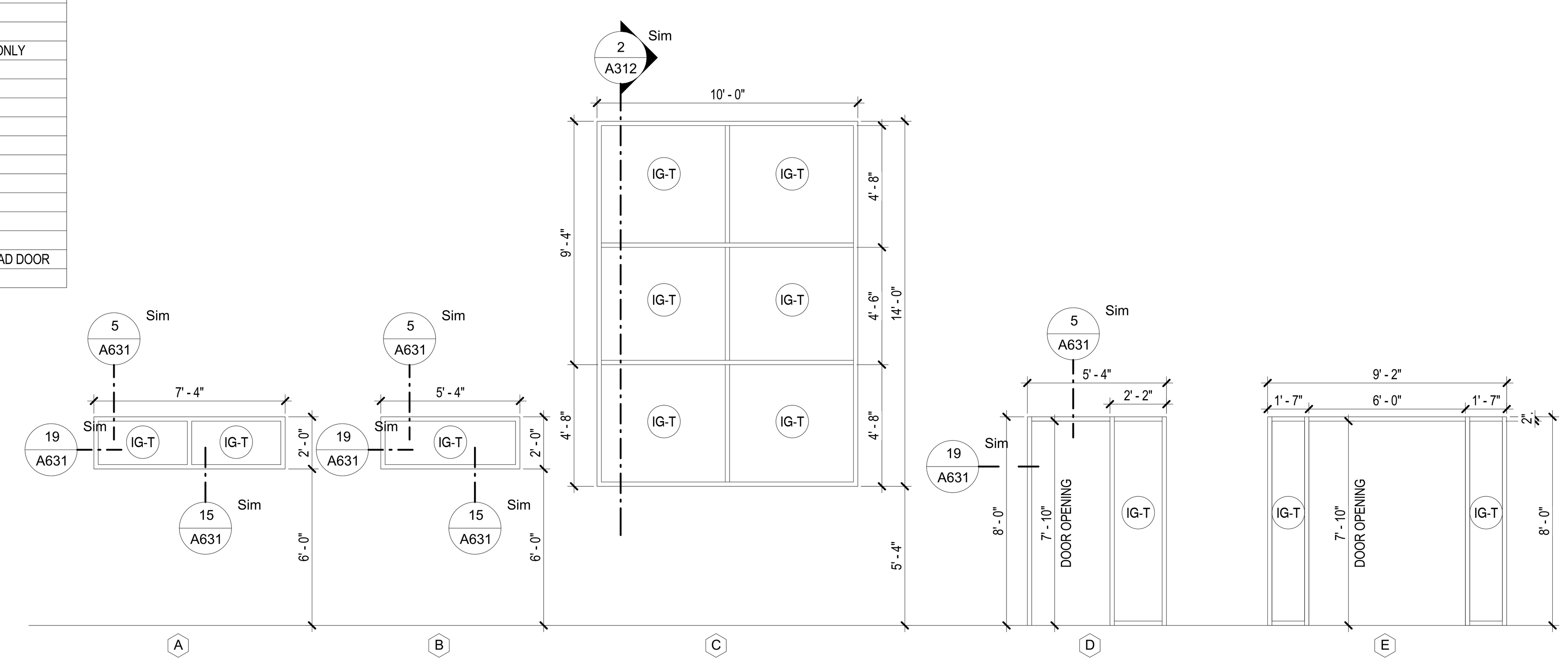
1. CONTRACTOR SHALL SUBMIT LEVER STYLE HARDWARE FOR APPROVAL BY OWNER AND ARCHITECT.
2. OBTAIN EACH KIND OF HARDWARE (LATCH AND LOCKSETS, EXIT DEVICES, HINGES AND CLOSERS) FROM ONLY ONE MANUFACTURER COMPLYING WITH REQUIREMENTS.
3. HARDWARE SUPPLIER SHALL BE A DIRECT FACTORY CONTRACT SUPPLIER WHO HAS IN HIS EMPLOYMENT AN ARCHITECTURAL HARDWARE CONSULTANT (AHC) WHO IS AVAILABLE AT ALL REASONABLE TIMES DURING THE COURSE OF THE WORK, AND FOR PROJECT HARDWARE CONSULTATION TO THE OWNER, ARCHITECT, AND CONTRACTOR.
4. ALL DOOR HANDLES, PULLS, LATCHES, LOCKS AND/OR OTHER OPERATING DEVICES SHALL BE INSTALLED BETWEEN 34" (MIN) AND 48" (MAX) PER ADAAG 4.13.8.
5. ALL DOOR THRESHOLDS SHALL BE 1/2" HIGH (MAX) PER ADAAG 4.13.8.
6. ALL DOOR LOCKSETS/LATCHES SHALL BE "LEVER TYPE" PER ADAAG SECTION 4.13.9.
7. ALL DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE PER ADAAG 4.13.10.
8. THE FORCE REQUIRED TO OPEN DOORS SHALL NOT EXCEED FIVE POUNDS. FORCE TO OPEN DOORS WITH PANIC HARDWARE NOT TO EXCEED 5 LBS.
9. ALL HARDWARE IN WALL SYSTEM DOORS PROVIDED BY OTHERS SHALL MEET ALL ACCESSIBILITY REQUIREMENTS.
10. ANY EGRESS DOORS WITH A DEADBOLT LOCK SHALL HAVE A READILY VISIBLE DURABLE SIGN POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING, "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE SIGN SHALL BE IN 1" HIGH LETTERS ON A CONTRASTING BACKGROUND.
11. ALL EXTERIOR DOORS, FRAMES AND HARDWARE SHALL BE INSTALLED AS REQUIRED TO MEET OR EXCEED APPLICABLE WIND LOADS AND LOCAL HURRICANE CODES. REFER TO DOOR MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
12. INTERIOR DOOR HARDWARE TO BE LEVER ACTION W/ INTERCHANGEABLE CORES.
13. DIMENSIONS PROVIDED ON PLANS & SCHEDULE ARE NOMINAL. COORDINATE DIMENSIONS IN THE FIELD FOR FRAME AND ROUGH OPENINGS PRIOR TO FABRICATION & CONSTRUCTION.
14. DOOR HANDLES SHALL BE MOUNTED @ 38" AFF UNO.
15. ALL INTERIOR DOORS SHALL HAVE WALL OR FLOOR STOPS TO MATCH HARDWARE FINISH UNO.
16. DOORS SHALL BE NOMINALLY UNDERCUT TO ACCEPT FINAL FLOOR FINISH.
17. OUTSIDE OF DOOR FRAME SHALL BE SET 4" FROM ADJACENT WALL OR PARTITION UNO.
18. FLOOR FINISH TRANSITIONS AT DOORS SHALL OCCUR DIRECTLY BELOW THE CENTERLINE OF THE DOOR LEAF.
19. DOOR HARDWARE SHALL COMPLY WITH THE MOST CURRENT LOCALLY ADOPTED VERSION OF THE AMERICANS WITH DISABILITIES ACT, INCLUDING, BUT NOT LIMITED TO: A) MAX 1/2" THRESHOLD WITH 1:20 SLOPE. B) PUSH/PULL HANDLES OR LEVER HANDLES. C) DOOR CLOSERS MEET ADA FORCE AND SWEEP PERIOD REQUIREMENTS.
20. LOCATE ALL DOOR CLOSERS ON INTERIOR ROOM SIDE OF DOOR.
21. ALL DOORS TO BE 1-3/4' THICK UNO.
22. PROVIDE WRAP-AROUND FRAMES AT ALL INTERIOR DOOR LOCATIONS UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY THICKNESS OF PARTITIONS AND SIZE DEPTH OF FRAME ACCORDINGLY.
23. ROOM SIGNS ARE REQUIRED TO BE LOCATED ADJACENT TO OPENINGS WHERE INDICATED IN "ROOM SIGN" COLUMN OF OPENING SCHEDULE. SEE DRAWINGS 1/A-611 FOR EXPLANATION OF SIGNAGE REQUIREMENTS.
24. CONTRACTOR TO VERIFY LOCATION OF MORTISE LOCKS, HARDWARE, AND VIEW LITES TO AVOID CONFLICTS.
25. VERIFY WIDTH OF FRAMES FOR ALL OPENINGS REQUIRING ALUMINUM FRAMES. DOOR SIZES ARE INDICATED AS NORMAL BASED ON ASSUMED FRAME SIZES. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ALUMINUM FRAME MANUF PRIOR TO FINAL SELECTION OF DOORS.



DOOR TYPES
1/4" = 1'-0"

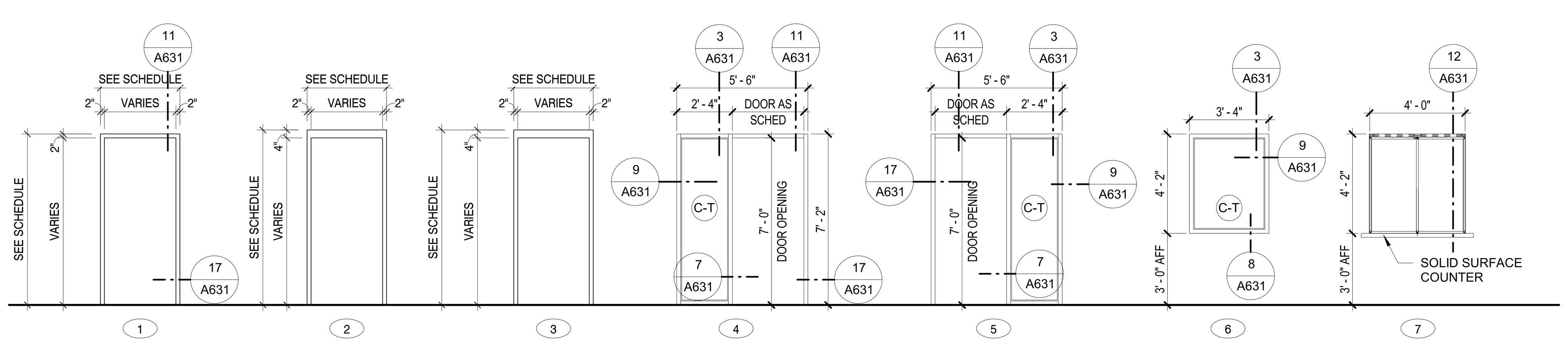
GLAZING SCHEDULE

C	1/4" CLEAR GLASS
C-T	1/4" CLEAR GLASS, FULLY TEMPERED
I-T	1/2" THICK INTERIOR BUTT JOINTED GLASS PANELS, CLEAR UNCOATED, FULLY TEMPERED
IG	1" THICK INSULATED GLASS WITH 1/2" AIR SPACE AND TWO 1/4" LITES
IG-T	1" THICK INSULATED GLASS WITH 1/2" AIR SPACE AND TWO 1/4" LITES, FULLY TEMPERED
D-T	DETENTION SECURITY GLASS



EXTERIOR WINDOWS: ALUMINUM FRAMED

EXTERIOR WINDOW TYPES
1/4" = 1'-0"



FRAME TYPES
1/4" = 1'-0"

LPK architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect

PROJECT INFORMATION
PROJECT:
Lauderdale County
Public Safety Building

PROJECT ADDRESS:
Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL
ROBERT E. LUKE — REGISTERED ARCHITECT — 1921 — STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE
OPENING SCHEDULE

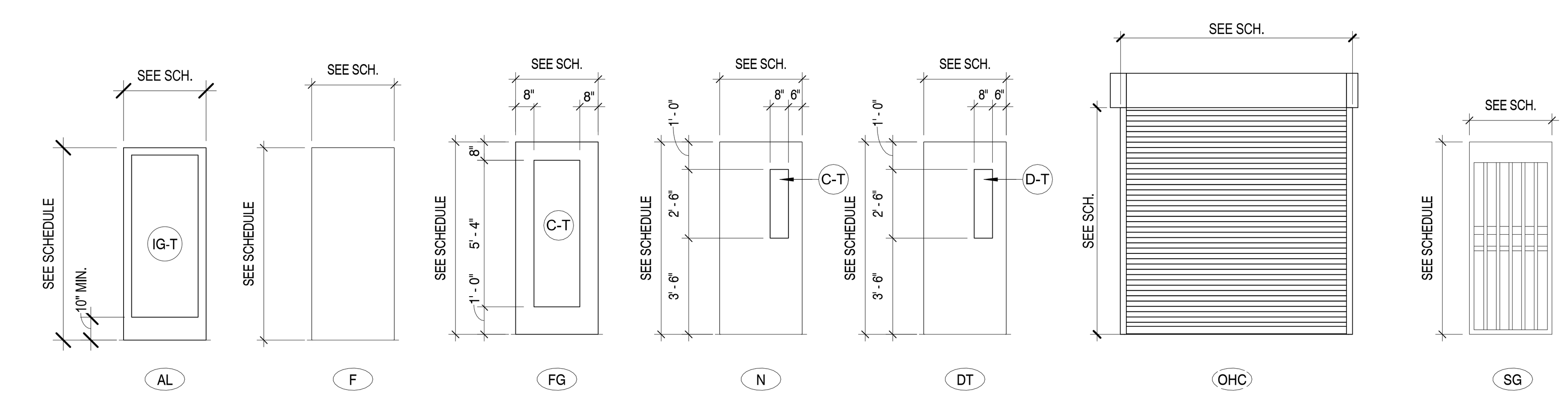
PROJECT NO.: 19-4894B
SHEET ISSUED: 03/18/2021
DRAWN BY: CL
REVIEWED BY: JS
SHEET NO.
A611

DOOR SCHEDULE

NUMBER	DOOR D-TYPE	DOOR D-MATL	DOOR SINGLE/PAIR	DOOR WIDTH	DOOR HEIGHT	DOOR THICK	DOOR FINISH	FRAME F-TYPE	FRAME F-MATL	FRAME F-FINISH	LABEL	REMARKS
001A	SG	STL	SINGLE	3' - 0"	7' - 0"		PTD		STL	PTD		ACCESS CONTROL, SECURITY GATE
001B	SG	STL	SINGLE	3' - 0"	7' - 0"		PTD		STL	PTD		ACCESS CONTROL, SECURITY GATE
101	AL	AL	PAIR	6' - 0"	7' - 10"	1 3/4"	FACTORY	10	AL	FACTORY		ACCESS CONTROL / ADA BUTTON INTERIOR / EXTERIOR / SEE WINDOW ELEVATION 'E'
102	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
103	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
104	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
105A	AL	AL	SINGLE	3' - 0"	7' - 10"	1 3/4"	FACTORY	9	AL	FACTORY		ACCESS CONTROL / ADA BUTTON INTERIOR / SEE EXTERIOR WINDOW ELEVATION 'D'
105B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
106	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
107	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
108	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
109	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
110A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
110B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
111	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
113	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
114	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
115	FG	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	5	HM	PTD		
116	FG	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	4	HM	PTD		
117	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
118	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
120	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
121	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
122	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
123	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
124A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
124B	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
125	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
126	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
127	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
128	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
201A	AL	HM	PAIR	6' - 0"	7' - 10"	1 3/4"	PTD	10	HM	PTD		ACCESS CONTROL / ADA BUTTON INTERIOR / EXTERIOR / SEE WINDOW ELEVATION 'E'
201B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
202	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
203	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
204	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
205	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
206	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
208	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
209	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
210	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
211A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
211B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
211C	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
212A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
212B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
212C	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
213	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
214	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
215	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
216	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
217	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	1	HM	PTD		
218	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	1	HM	PTD		ACCESS CONTROL
219	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	1	HM	PTD		ACCESS CONTROL
220	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
221A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
222	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
224	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD	45 MIN	
225	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
226A	N	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	1	HM	PTD		
226B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
227	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
228	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
229	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
230	F	WD	SINGLE	3' - 1"	7' - 0"	1 3/4"	STAINED	2	HM	PTD		ACCESS CONTROL
231	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
233	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
234	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
236	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
237	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
238	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD		DETENTION DOOR ASSEMBLY
239	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD		ACCESS CONTROL, DETENTION DOOR ASSMEBLY
240	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD		DETENTION DOOR ASSEMBLY
241	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
242	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
243	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
244	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
245	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
246	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
247	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
248	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD		DETENTION DOOR ASSEMBLY
249A	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD	45 MIN	ACCESS CONTROL, DETENTION DOOR ASSMEBLY
249B	DT	HM	SINGLE	3' - 0"	7' - 0"	2"	PTD	3	HM	PTD	45 MIN	ACCESS CONTROL, DETENTION DOOR ASSMEBLY
250	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL, DETENTION DOOR ASSMEBLY
251	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
252	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
253	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
254	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
255	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
256	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
257	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
257A	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
257B	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
259	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
260	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
261A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
261B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
262A	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
262B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
263	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
264	N	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
265	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
266	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
267	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
268	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
269	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
270	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
271	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
272	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
273	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		
274A	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		ACCESS CONTROL
274B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
275A	OHC	FACTORY	SINGLE	12' - 0"	10' - 0"	0"	FACTORY		FACTORY	FACTORY		ELECTRIC OVERHEAD DOOR
275B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
275C	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
275D	OHC	FACTORY	SINGLE	12' - 0"	10' - 0"	0"	FACTORY		FACTORY	FACTORY		ELECTRIC OVERHEAD DOOR
301A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
313D	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
322	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
324A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
324B	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		ACCESS CONTROL
327A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		EMERGENCY EXIT ONLY
328	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
330	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
331	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
332A	F	HM	SINGLE	3' - 0"	7' - 0"	1 3/4"	PTD	2	HM	PTD		
332B	F	WD	SINGLE	3' - 0"	7' - 0"	1 3/4"	STAINED	1	HM	PTD		

2

1. CONTRACTOR SHALL SUBMIT LEVER STYLE HARDWARE FOR APPROVAL BY OWNER AND ARCHITECT.
2. OBTAIN EACH KIND OF HARDWARE (LATCH AND LOCKSETS, EXIT DEVICES, HINGES AND CLOSERS) FROM ONLY ONE MANUFACTURER COMPLYING WITH REQUIREMENTS.
3. HARDWARE SUPPLIER SHALL BE A DIRECT FACTORY CONTRACT SUPPLIER WHO HAS IN HIS EMPLOYMENT AN ARCHITECTURAL HARDWARE CONSULTANT (AHC) WHO IS AVAILABLE AT ALL REASONABLE TIMES DURING THE COURSE OF THE WORK, AND FOR PROJECT HARDWARE CONSULTATION TO THE OWNER, ARCHITECT, AND CONTRACTOR.
4. ALL DOOR HANDLES, PULLS, LATCHES, LOCKS AND/OR OTHER OPERATING DEVICES SHALL BE INSTALLED BETWEEN 34" (MIN) AND 48" (MAX) PER ADAAG 4.13.8.
5. ALL DOOR THRESHOLDS SHALL BE 1/2" HIGH (MAX) PER ADAAG 4.13.8.
6. ALL DOOR LOCKSETS/LATCHES SHALL BE "LEVER TYPE" PER ADAAG SECTION 4.13.9.
7. ALL DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE PER ADAAG 4.13.10.
8. THE FORCE REQUIRED TO OPEN DOORS SHALL NOT EXCEED FIVE POUNDS. FORCE TO OPEN DOORS WITH PANIC HARDWARE NOT TO EXCEED 5 LBS.
9. ALL HARDWARE IN WALL SYSTEM DOORS PROVIDED BY OTHERS SHALL MEET ALL ACCESSIBILITY REQUIREMENTS.
10. ANY EGRESS DOORS WITH A DEADBOLT LOCK SHALL HAVE A READILY VISIBLE DURABLE SIGN POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR STATING, "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED." THE SIGN SHALL BE IN 1" HIGH LETTERS ON A CONTRASTING BACKGROUND.
11. ALL EXTERIOR DOORS, FRAMES AND HARDWARE SHALL BE INSTALLED AS REQUIRED TO MEET OR EXCEED APPLICABLE WIND LOADS AND LOCAL HURRICANE CODES. REFER TO DOOR MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
12. INTERIOR DOOR HARDWARE TO BE LEVER ACTION W/ INTERCHANGEABLE CORES.
13. DIMENSIONS PROVIDED ON PLANS & SCHEDULE ARE NOMINAL. COORDINATE DIMENSIONS IN THE FIELD FOR FRAME AND ROUGH OPENINGS PRIOR TO FABRICATION & CONSTRUCTION.
14. DOOR HANDLES SHALL BE MOUNTED @ 38" AFF UNO.
15. ALL INTERIOR DOORS SHALL HAVE WALL OR FLOOR STOPS TO MATCH HARDWARE FINISH UNO.
16. DOORS SHALL BE NOMINALLY UNDERCUT TO ACCEPT FINAL FLOOR FINISH.
17. OUTSIDE OF DOOR FRAME SHALL BE SET 4" FROM ADJACENT WALL OR PARTITION UNO.
18. FLOOR FINISH TRANSITIONS AT DOORS SHALL OCCUR DIRECTLY BELOW THE CENTERLINE OF THE DOOR LEAF.
19. DOOR HARDWARE SHALL COMPLY WITH THE MOST CURRENT LOCALLY ADOPTED VERSION OF THE AMERICANS WITH DISABILITIES ACT, INCLUDING, BUT NOT LIMITED TO: A) MAX 1/2" THRESHOLD WITH 1:20 SLOPE. B) PUSH/PULL HANDLES OR LEVER HANDLES. C) DOOR CLOSERS MEET ADA FORCE AND SWEEP PERIOD REQUIREMENTS.
20. LOCATE ALL DOOR CLOSERS ON INTERIOR ROOM SIDE OF DOOR.
21. ALL DOORS TO BE 1-3/4' THICK UNO.
22. PROVIDE WRAP-AROUND FRAMES AT ALL INTERIOR DOOR LOCATIONS UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY THICKNESS OF PARTITIONS AND SIZE DEPTH OF FRAME ACCORDINGLY.
23. ROOM SIGNS ARE REQUIRED TO BE LOCATED ADJACENT TO OPENINGS WHERE INDICATED IN "ROOM SIGN" COLUMN OF OPENING SCHEDULE. SEE DRAWINGS 1/A-611 FOR EXPLANATION OF SIGNAGE REQUIREMENTS.
24. CONTRACTOR TO VERIFY LOCATION OF MORTISE LOCKS, HARDWARE, AND VIEW LITES TO AVOID CONFLICTS.
25. VERIFY WIDTH OF FRAMES FOR ALL OPENINGS REQUIRING ALUMINUM FRAMES. DOOR SIZES ARE INDICATED AS NORMAL BASED ON ASSUMED FRAME SIZES. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ALUMINUM FRAME MANUF PRIOR TO FINAL SELECTION OF DOORS.

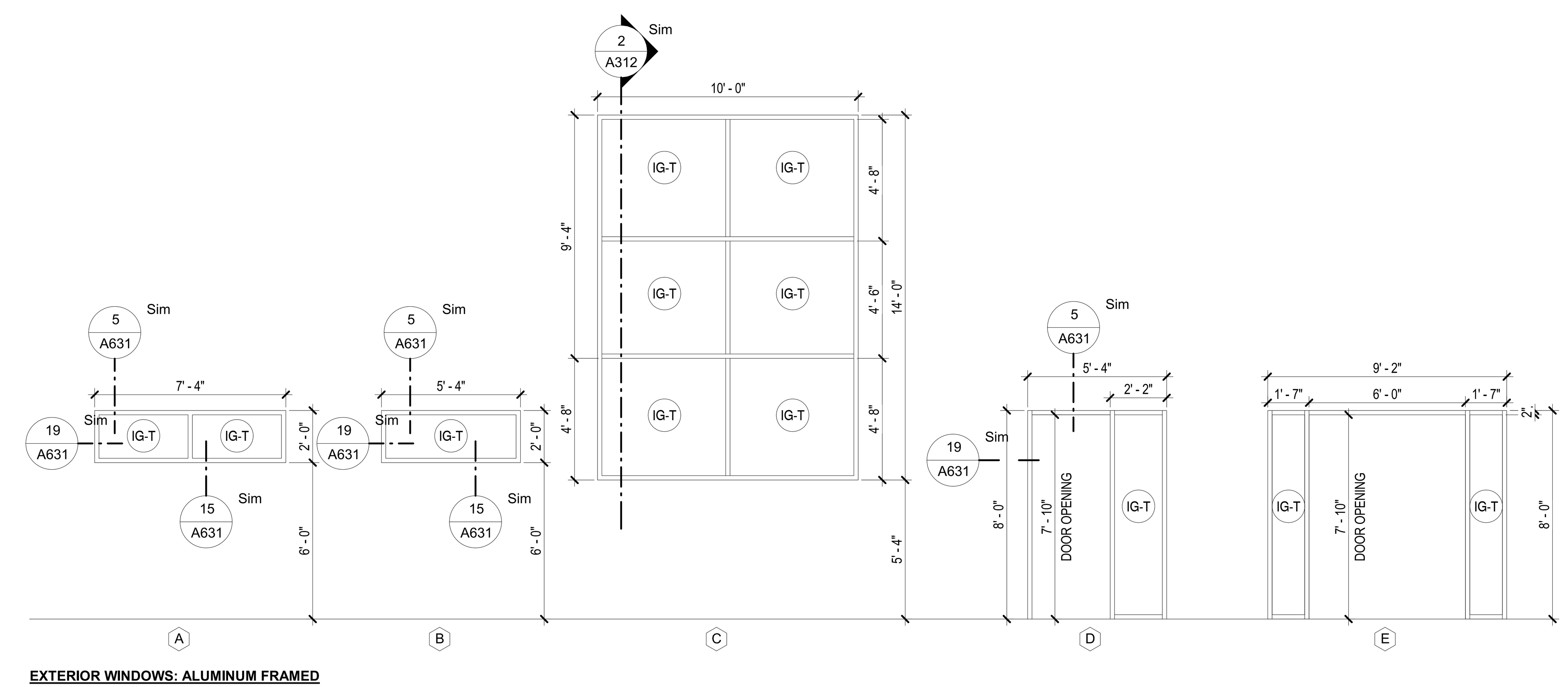


DOOR TYPES
1/4" = 1'-0"

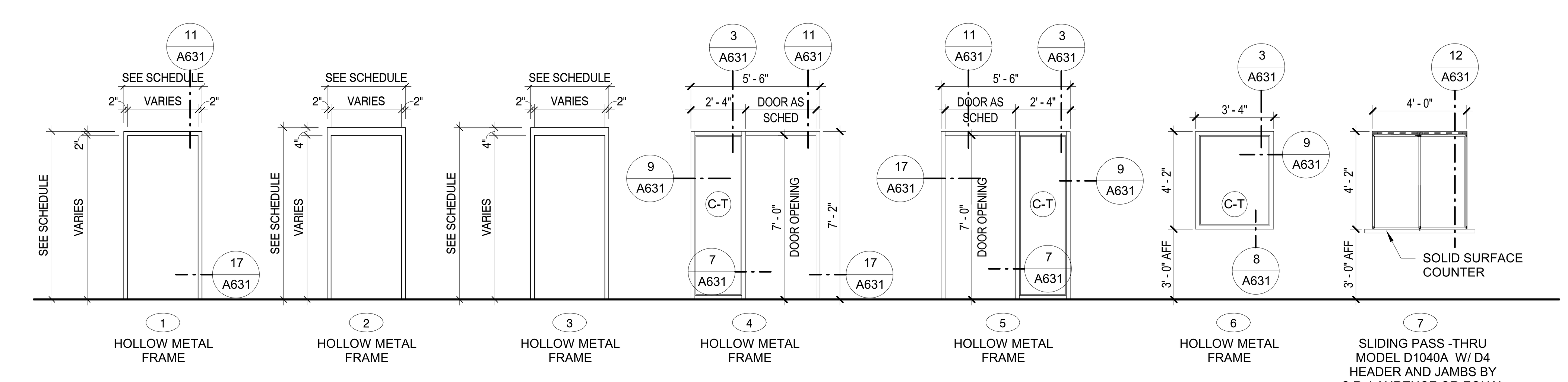
GLAZING SCHEDULE

X

C	1/4" CLEAR GLASS
C-T	1/4" CLEAR GLASS, FULLY TEMPERED
I-T	1/2" THICK INTERIOR BUTT JOINTED GLASS PANELS, CLEAR UNCOATED, FULLY TEMPERED
IG	1" THICK INSULATED GLASS WITH 1/2" AIR SPACE AND TWO 1/4" LITES
IG-T	1" THICK INSULATED GLASS WITH 1/2" AIR SPACE AND TWO 1/4" LITES, FULLY TEMPERED
D-T	DETENTION SECURITY GLASS



4 EXTERIOR WINDOW TYPES
1/4" = 1'-0"



FRAME TYPES
1/4" = 1'-0"

LPK architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect
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MERIDIAN, MISSISSIPPI 39302
P: 601.693.9990
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PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:
Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE
- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

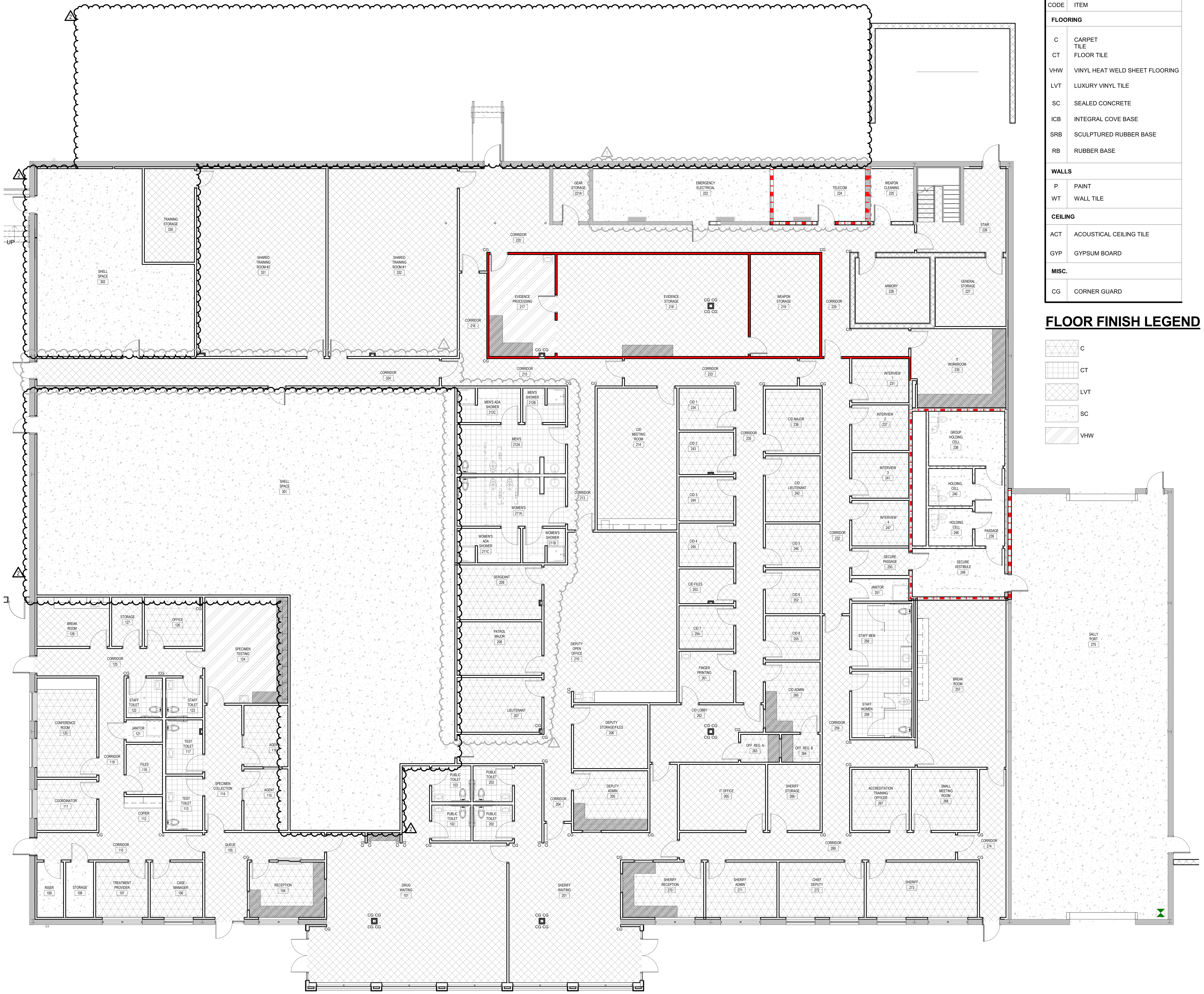
SEAL

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	04/30/2021	ADDENDUM #3

SHEET TITLE
OPENING SCHEDULE - ALTERNATES

PROJECT NO.:	19-4894B
SHEET ISSUED:	03/18/2021
DRAWN BY:	CL
REVIEWED BY:	JS
SHEET NO.	A611A



5 FLOOR PLAN
1/8" = 1'-0"

LEGEND

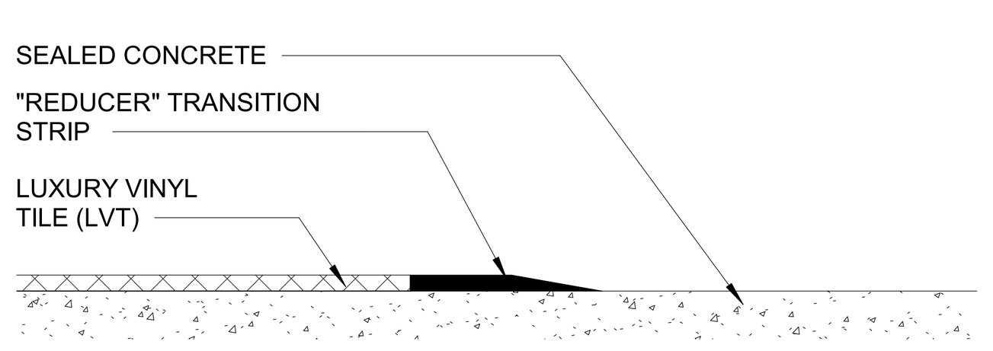
CODE	ITEM
FLOORING	
C	CARPET TILE
CT	FLOOR TILE
VHW	VINYL HEAT WELD SHEET FLOORING
LVT	LUXURY VINYL TILE
SC	SEALED CONCRETE
ICB	INTEGRAL COVE BASE
SRB	SCULPTURED RUBBER BASE
RB	RUBBER BASE
WALLS	
P	PAINT
WT	WALL TILE
CEILING	
ACT	ACOUSTICAL CEILING TILE
GYP	GYPSUM BOARD
MISC.	
CG	CORNER GUARD

FLOOR FINISH LEGEND

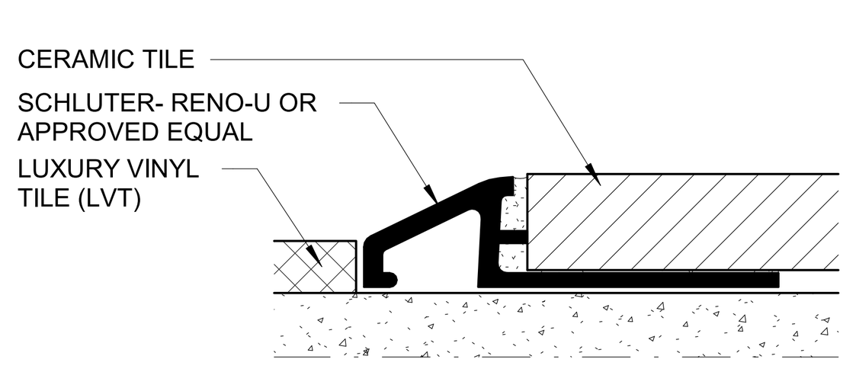
C
CT
LVT
SC
VHW

FINISH SCHEDULE

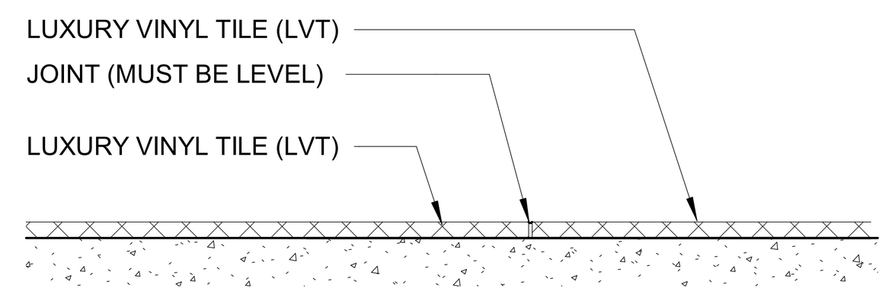
RM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	CEILING FINISH	WALL FINISH	COMMENTS
101	DRUG WAITING	LVT	SRB	VARIES	P	
102	PUBLIC TOILET	CT	CT	GYP	WT	
103	PUBLIC TOILET	CT	CT	GYP	WT	
104	RECEPTION	C	SRB	ACT	P	
105	QUEUE	LVT	SRB	ACT	P	
106	CASE MANAGER	C	SRB	ACT	P	
107	TREATMENT PROVIDER	C	SRB	ACT	P	
108	STORAGE	SC	RB	ACT	P	
109	RISER	SC	RB	ACT	P	
110	CORRIDOR	LVT	SRB	ACT	P	
111	COORDINATOR	C	SRB	ACT	P	
112	COPIER	LVT	SRB	ACT	P	
113	TEST TOILET	CT	CT	GYP	WT	
114	SPECIMEN COLLECTION	LVT	SRB	ACT	P	
115	AGENT	C	SRB	ACT	P	
116	AGENT	C	SRB	ACT	P	
117	TEST TOILET	CT	CT	GYP	WT	
118	FILES	LVT	SRB	ACT	P	
119	CORRIDOR	LVT	SRB	ACT	P	
120	CONFERENCE ROOM	C	SRB	ACT	P	
121	JANITOR	SC	RB	GYP	P	
122	STAFF TOILET	CT	CT	GYP	WT	
123	STAFF TOILET	CT	CT	GYP	WT	
124	SPECIMEN TESTING	VHW	ICB	GYP	P	
125	CORRIDOR	LVT	SRB	ACT	P	
126	OFFICE	C	SRB	ACT	P	
127	STORAGE	LVT	RB	ACT	P	
128	BREAK ROOM	LVT	SRB	ACT	P	
201	SHERIFF WAITING	LVT	SRB	VARIES	P	
202	PUBLIC TOILET	CT	CT	GYP	WT	
203	PUBLIC TOILET	CT	CT	GYP	WT	
204	CORRIDOR	LVT	SRB	ACT	P	
205	DEPUTY ADMIN	C	SRB	ACT	P	
206	DEPUTY STORAGE/FILES	LVT	SRB	ACT	P	
207	LIEUTENANT	C	SRB	ACT	P	
208	PATROL MAJOR	C	SRB	ACT	P	
209	SERGEANT	C	SRB	ACT	P	
210	DEPUTY OPEN OFFICE	LVT	SRB	ACT	P	
211A	WOMEN'S	CT	CT	ACT	WT	
211B	WOMEN'S SHOWER	CT	CT	GYP	WT	
211C	WOMEN'S ADA SHOWER	CT	CT	GYP	WT	
212A	MEN'S	CT	CT	ACT	WT	
212B	MEN'S SHOWER	CT	CT	GYP	WT	
212C	MEN'S ADA SHOWER	CT	CT	GYP	WT	
213	CORRIDOR	LVT	SRB	ACT	P	
214	CID MEETING ROOM	LVT	SRB	ACT	P	
215	CORRIDOR	LVT	SRB	ACT	P	
216	CORRIDOR	LVT	SRB	ACT	P	
217	EVIDENCE PROCESSING	VHW	ICB	ACT	P	
218	EVIDENCE STORAGE	LVT	RB	ACT	P	
219	WEAPON STORAGE	LVT	RB	ACT	P	
220	CORRIDOR	LVT	SRB	ACT	P	
221A	GEAR STORAGE	LVT	RB	ACT	P	
222	EMERGENCY ELECTRICAL	SC	RB	ACT	P	
224	TELECOM	SC	RB	ACT	P	
225	WEAPON CLEANING	SC	RB	ACT	P	
226	STAIR	LVT	RB	EXPOSED	P	PAINTED STRUCTURE. STAIR TO BE CLEANED - NO FINISH
227	GENERAL STORAGE	LVT	RB	ACT	P	
228	ARMORY	LVT	RB	ACT	P	
229	CORRIDOR	LVT	SRB	ACT	P	
230	IT WORKROOM	LVT	SRB	ACT	P	
231	INTERVIEW 1	C	SRB	ACT	P	
232	CORRIDOR	LVT	SRB	ACT	P	
233	CORRIDOR	LVT	SRB	ACT	P	
234	CID 1	C	SRB	ACT	P	
235	CORRIDOR	LVT	SRB	ACT	P	
236	CID MAJOR	C	SRB	ACT	P	
237	INTERVIEW 2	C	SRB	ACT	P	
238	GROUP HOLDING CELL	SC	-	EXPOSED	EPX	
239	PASSAGE	SC	-	EXPOSED	EPX	
240	HOLDING CELL	SC	-	EXPOSED	EPX	
241	INTERVIEW 3	C	SRB	ACT	P	
242	CID LIEUTENANT	C	SRB	ACT	P	
243	CID 2	C	SRB	ACT	P	
244	CID 3	C	SRB	ACT	P	
245	CID 4	C	SRB	ACT	P	
246	CID 5	C	SRB	ACT	P	
247	INTERVIEW 4	C	SRB	ACT	P	
248	HOLDING CELL	SC	-	EXPOSED	EPX	
249	SECURE VESTIBULE	SC	-	EXPOSED	EPX	
250	SECURE PASSAGE	LVT	SRB	ACT	P	
251	JANITOR	SC	RB	ACT	P	
252	CID 6	C	SRB	ACT	P	
253	CID FILES	LVT	SRB	ACT	P	
254	CID 7	C	SRB	ACT	P	
255	CID 8	C	SRB	ACT	P	
256	STAFF MEN	CT	CT	GYP	WT	
257	BREAK ROOM	LVT	SRB	ACT	P	
258	STAFF WOMEN	CT	CT	GYP	WT	
259	CORRIDOR	LVT	SRB	ACT	P	
260	CID ADMIN	C	SRB	ACT	P	
261	FINGER PRINTING	LVT	SRB	ACT	P	
262	CID LOBBY	LVT	SRB	ACT	P	
263	OFF. REG. A	C	SRB	ACT	P	
264	OFF. REG. B	C	SRB	ACT	P	
265	IT OFFICE	LVT	SRB	ACT	P	
266	SHERIFF STORAGE	LVT	SRB	ACT	P	
267	ACCREDITATION TRAINING OFFICER	C	SRB	ACT	P	
268	SMALL MEETING ROOM	C	SRB	ACT	P	
269	CORRIDOR	LVT	SRB	ACT	P	
270	SHERIFF RECEPTION	C	SRB	ACT	P	
271	SHERIFF ADMIN	C	SRB	ACT	P	
272	CHIEF DEPUTY	C	SRB	ACT	P	
273	SHERIFF	C	SRB	ACT	P	
274	CORRIDOR	LVT	SRB	ACT	P	
275	SALLY PORT	SC	-	EXPOSED	P	PAINTED STRUCTURE
301	SHELL SPACE	SC	-	EXPOSED	P	PAINTED STRUCTURE
302	SHELL SPACE	SC	-	EXPOSED	P	PAINTED STRUCTURE
324	CORRIDOR	LVT	SRB	ACT	P	
330	TRAINING STORAGE	LVT	RB	ACT	P	
331	SHARED TRAINING ROOM #2	LVT	SRB	ACT	P	
332	SHARED TRAINING ROOM #1	LVT	SRB	ACT	P	
M01	MEZZANINE	SC	RB	EXPOSED	P	PAINTED STRUCTURE



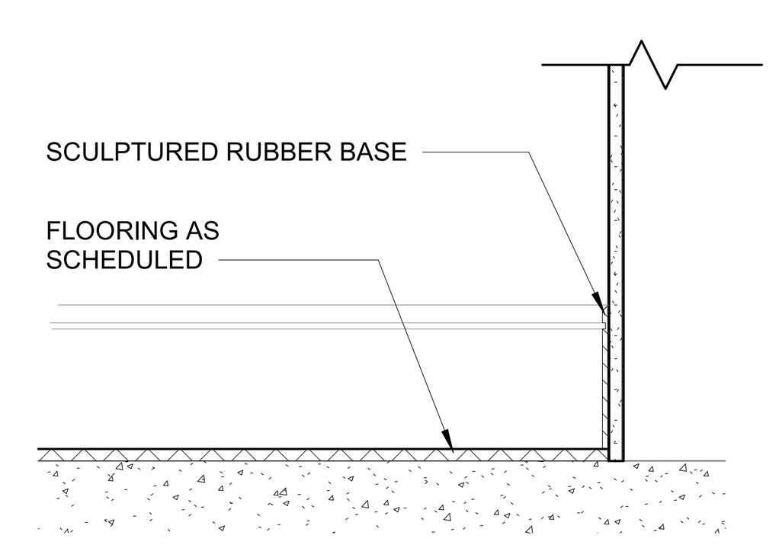
1 FLOOR TRANSITION - LVT/VCT TO CONCRETE
1" = 1'-0"



2 FLOOR TRANSITION - LVT/VCT TO CERAMIC TILE
1" = 1'-0"



3 FLOOR TRANSITION - LVT TO LVT/VCT
1" = 1'-0"



4 SCUPLTURED RUBBER BASE
1 1/2" = 1'-0"

FINISH SCHEDULE NOTES:

1. VERIFY ALL LOCATIONS OF TOILET ACCESSORIES WITH ARCHITECT.
2. SEE REFLECTED CEILING PLAN FOR ALL CEILING HEIGHTS AND LAYOUTS.
3. PROVIDE SOLID BLOCKING FOR ALL ACCESSORIES.
4. ALL GYPSUM BOARD CORNERS SHALL HAVE CORNER GUARDS AS SPECIFIED.
5. ALL NOTATED GYPSUM BOARD SHALL BE PAINTED.
6. ALL AREAS WHERE EXISTING TILE WAS PREVIOUSLY REMOVED SHALL BE LEVELED TO SURROUNDING FLOORS AS REQUIRED TO INSTALL NEW WORK.

GENERAL INTERIOR NOTES

1. ALL FURR DOWNS TO BE PAINTED UNLESS OTHERWISE NOTED
2. ALL HOLLOW METAL PAINT SHALL HAVE SEMI-GLOSS FINISH
3. CONTRACTOR TO PROVIDE APPROPRIATE TRANSITIONS AS REQUIRED
4. PRIOR TO CONSTRUCTION, CONTRACTOR TO SUBMIT ALL SAMPLES TO ARCHITECT FOR REVIEW AND APPROVAL
5. ALL GYPSUM WALL BOARD TO BE PAINTED
6. CONTRACTOR SHALL PROVIDE APPROPRIATE SEAM SEALANT FOR ALL CARPET TRANSITIONS
7. CONTRACTOR SHALL PROVIDE APPROPRIATE GROUT & SEALANT FOR ALL FLOOR & WALL TILE APPLICATIONS.

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LPK architects

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PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL

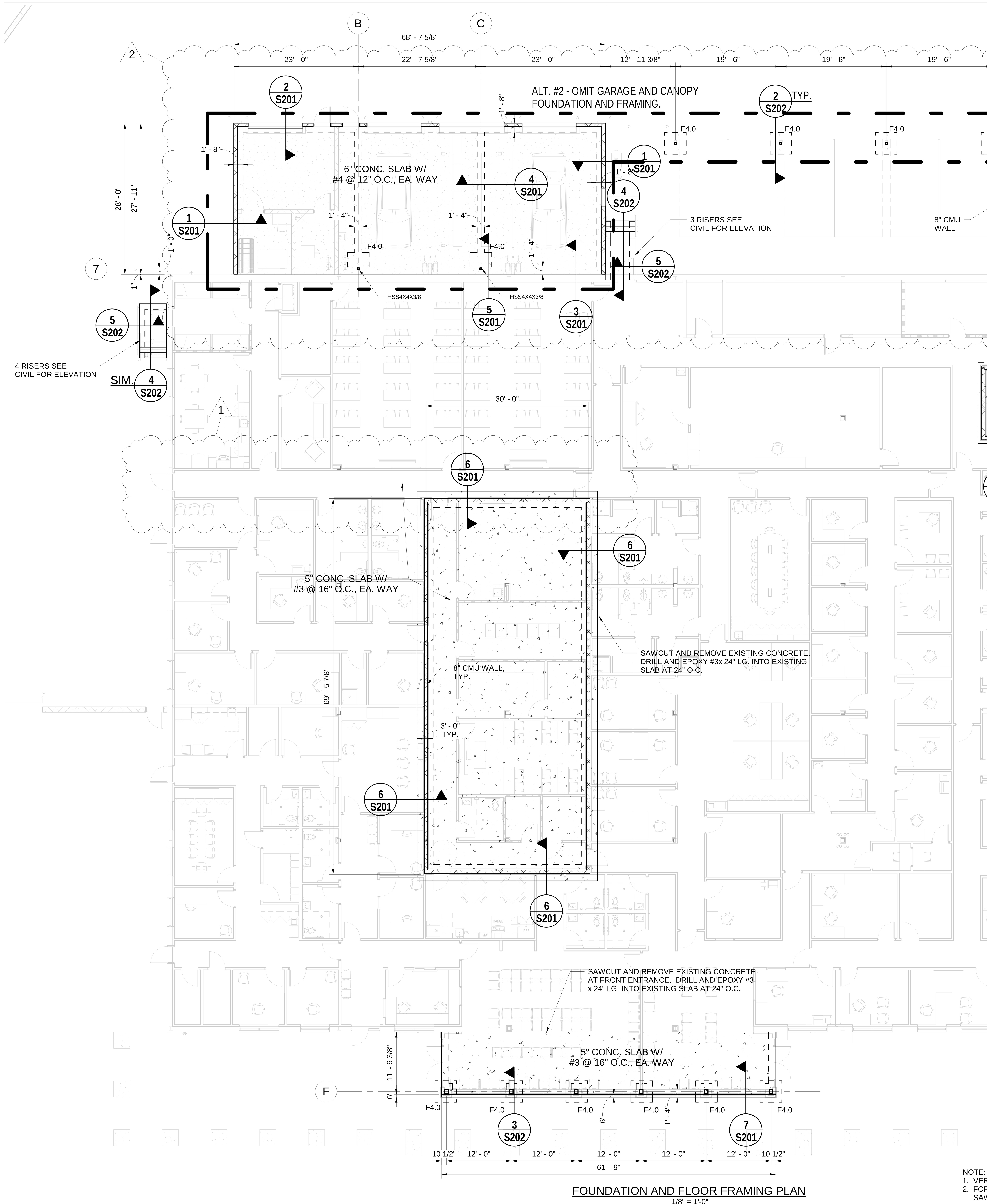
REGISTERED ARCHITECT ROBERT E. LUKE 1921 STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

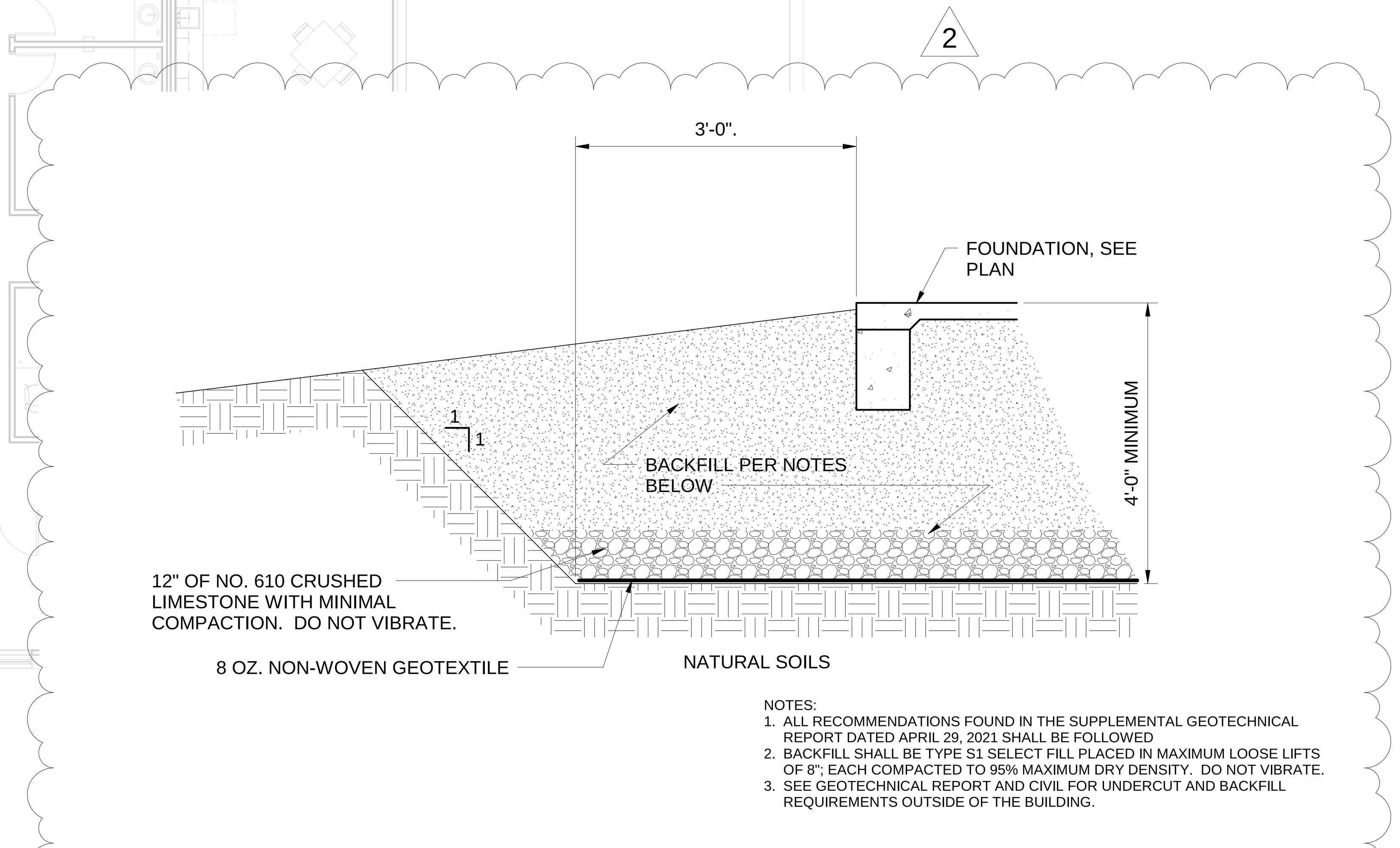
NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE
INTERIOR FINISH PLAN - ALTERNATES

PROJECT NO.: 19-4894B
SHEET ISSUED: 03/18/2021
DRAWN BY: CL
REVIEWED BY: JS
SHEET NO. F101A



FOUNDATION AND FLOOR FRAMING PLAN
1/8" = 1'-0"



NOTES:
1. ALL RECOMMENDATIONS FOUND IN THE SUPPLEMENTAL GEOTECHNICAL REPORT DATED APRIL 29, 2021 SHALL BE FOLLOWED
2. BACKFILL SHALL BE TYPE S1 SELECT FILL PLACED IN MAXIMUM LOOSE LIFTS OF 8"; EACH COMPACTED TO 95% MAXIMUM DRY DENSITY. DO NOT VIBRATE.
3. SEE GEOTECHNICAL REPORT AND CIVIL FOR UNDERCUT AND BACKFILL REQUIREMENTS OUTSIDE OF THE BUILDING.

GARAGE UNDERCUT AND BACKFILL DETAIL
3/8" = 1'-0"

NOTE:
1. VERIFY ALL DIMENSIONS W/ ARCH.
2. FOR REPAIRS TO THE SLAB DUE TO UTILITY SAW-CUTS, SEE TYPICAL DETAIL ON S201

SE# 20037
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LPK ARCHITECTS, P.A.
Robert E. Luke, Architect

PROJECT INFORMATION
PROJECT:
Sheriff's Department, Drug Testing, LEMA & VFD
PROJECT ADDRESS:
Village Fair Mall Site
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION
W.G. YATES & SONS CONSTRUCTION CO.
ONE GULLY AVENUE
PHILADELPHIA, MS 39350

KEY PLAN

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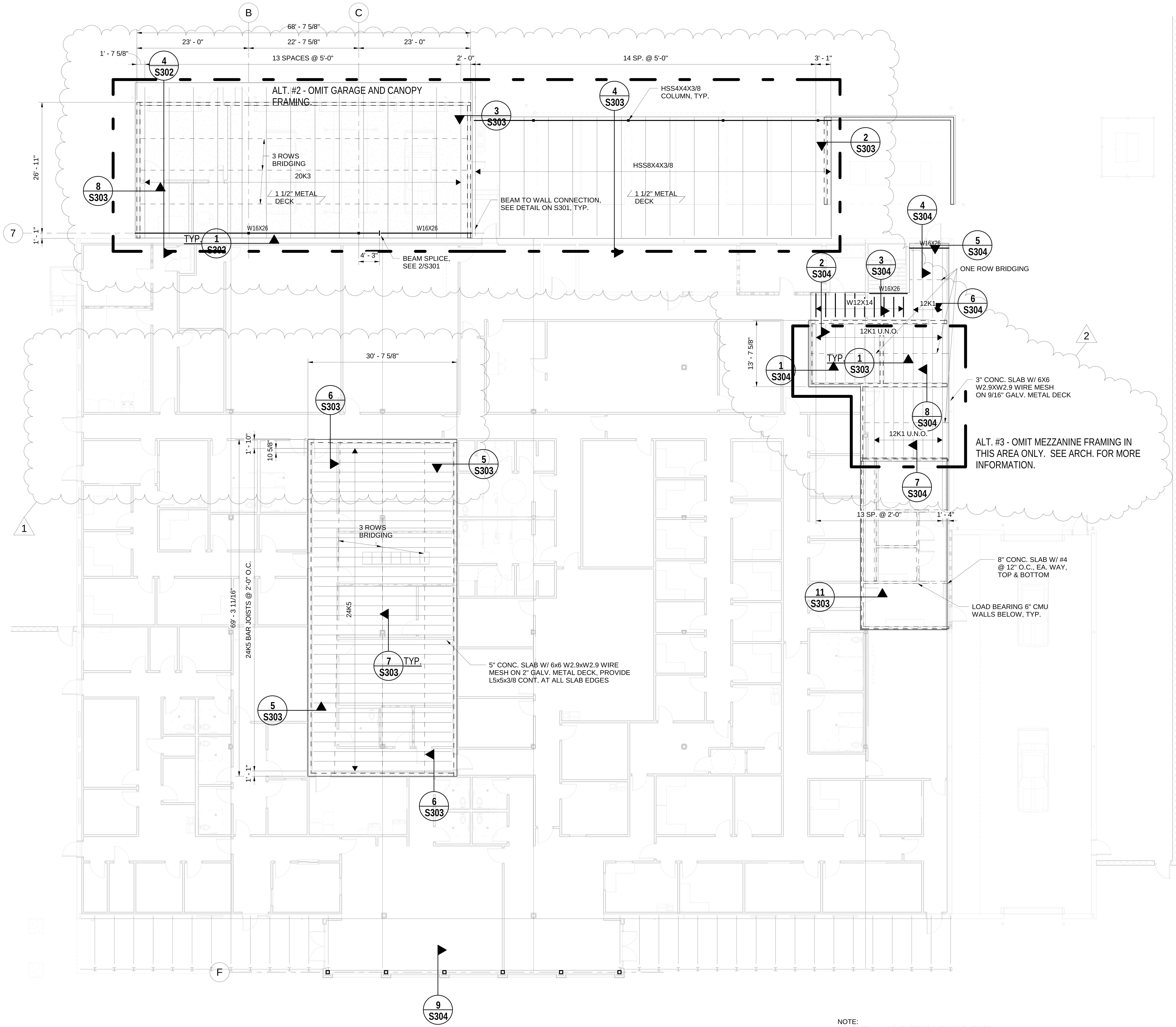
SEAL
KENNETH SIMMONS MCGRATH
ENGINEER
3-19-21
STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	4-26-21	ADDENDUM #2
2	4-30-21	ADDENDUM #3

SHEET TITLE
FOUNDATION AND FLOOR FRAMING PLAN

PROJECT NO.:	19-4894E
SHEET ISSUED:	3/18/2021
DRAWN BY:	JB
REVIEWED BY:	KSM
SHEET NO.	S101



LEMA ROOF, GARAGE ROOF, AND MEZZANINE FRAMING PLANS

1/8" = 1'-0"

NOTE:
1. VERIFY ALL DIMENSIONS WITH ARCHITECT.
2. LEMA ROOF DECK SHALL BE 2", NON-COMPOSITE, 18 GUAGE DECK. PROVIDE 5/8" PUDDLE WELDS AT 36/4 PATTERN. 2 #12 TEK SIDELAP SCREWS PER SPAN.

SE# 20037

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PROJECT INFORMATION

PROJECT:

Sheriff's Department, Drug Testing, LEMA & VFD

PROJECT ADDRESS:

Village Fair Mall Site
(Winn-Dixie / LabCorp Building)

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KEY PLAN

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SEAL

KENNETH SIMMONS MCGRATH
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3-19-21
17092
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REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	4-26-21	ADDENDUM #2
2	4-30-21	ADDENDUM #3

SHEET TITLE

LEMA ROOF, GARAGE ROOF, AND MEZZANINE FRAMING PLANS

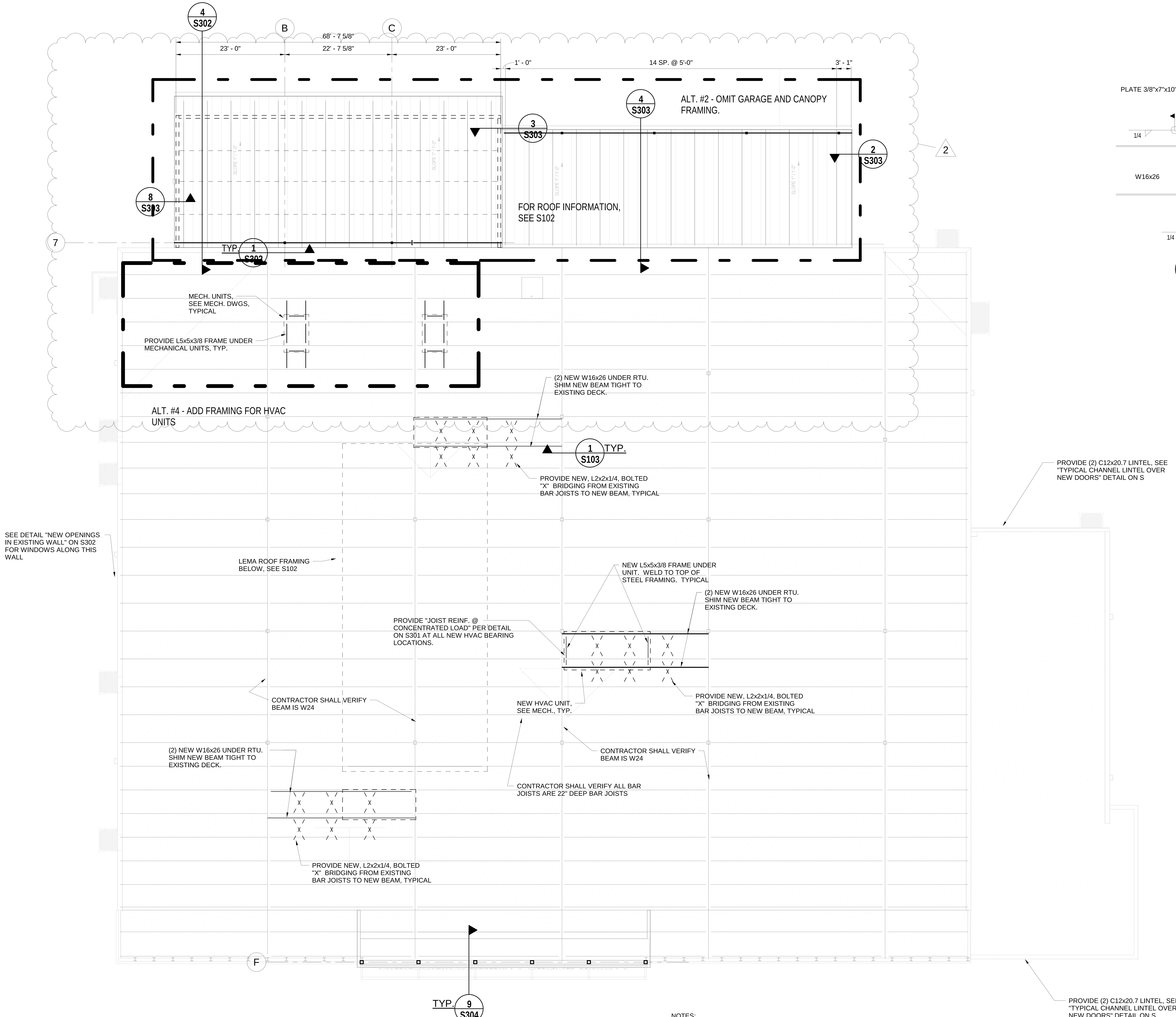
PROJECT NO.: 19-4894E

SHEET ISSUED: 3/18/2021

DRAWN BY: JB

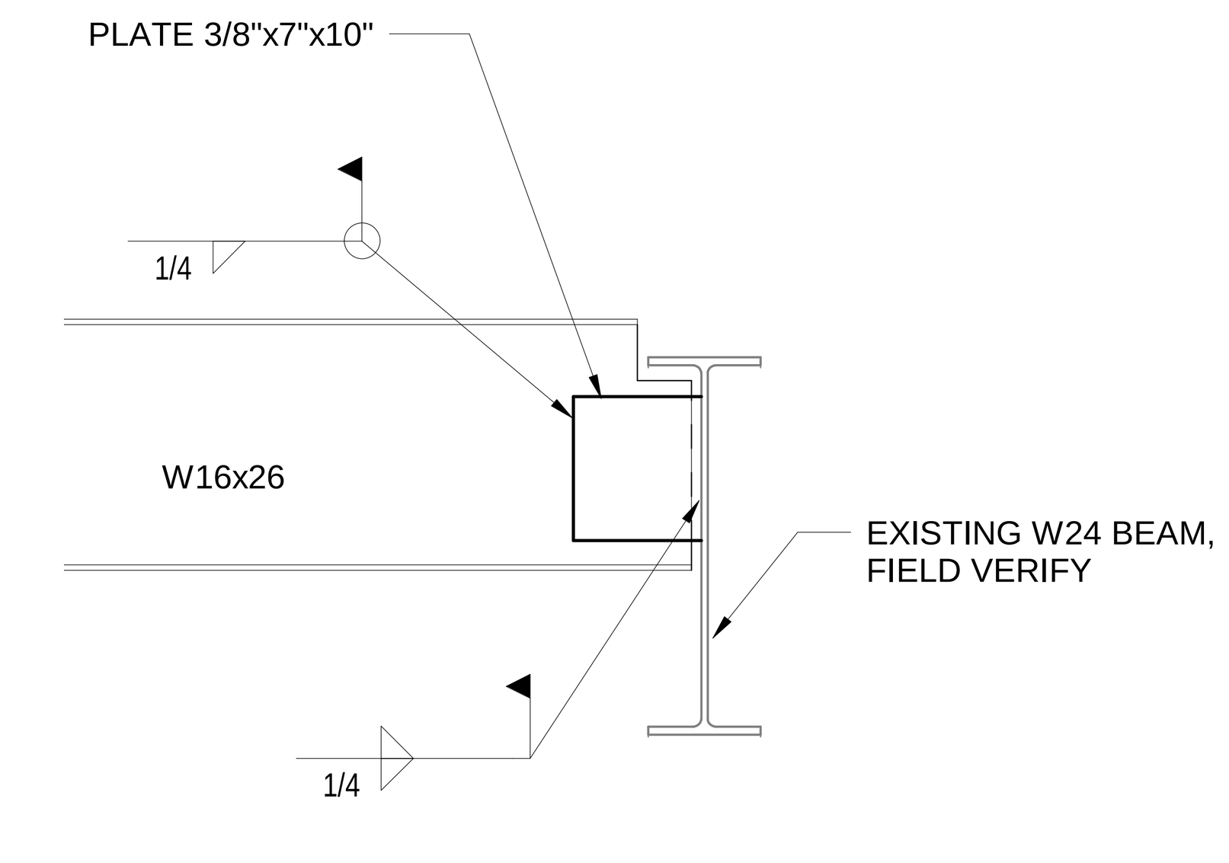
REVIEWED BY: KSM

SHEET NO. S102



OVERALL ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. VERIFY ALL DIMENSIONS WITH ARCHITECT.
2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS. NOTIFY THE ENGINEER AND ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.



1
S103
1" = 1'-0"

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PROJECT INFORMATION
PROJECT:

Sheriff's Department, Drug Testing, LEMA & VFD

PROJECT ADDRESS:

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(Winn-Dixie / LabCorp Building)

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KENNETH SIMMONS MCGRATH
ENGINEER
17092
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3-19-21

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	4-30-21	ADDENDUM #3

SHEET TITLE
ROOF FRAMING PLAN

SE# 20037

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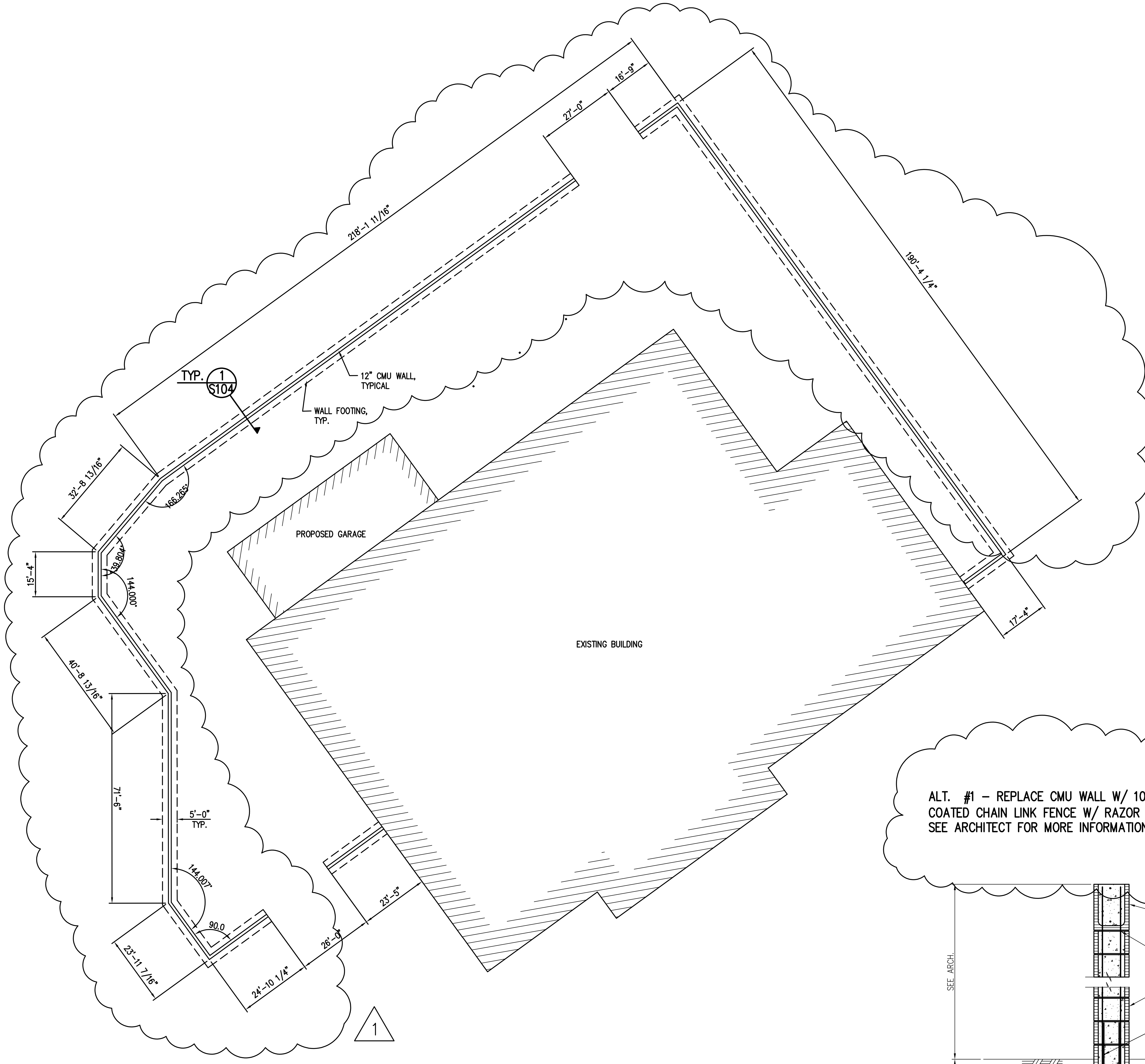
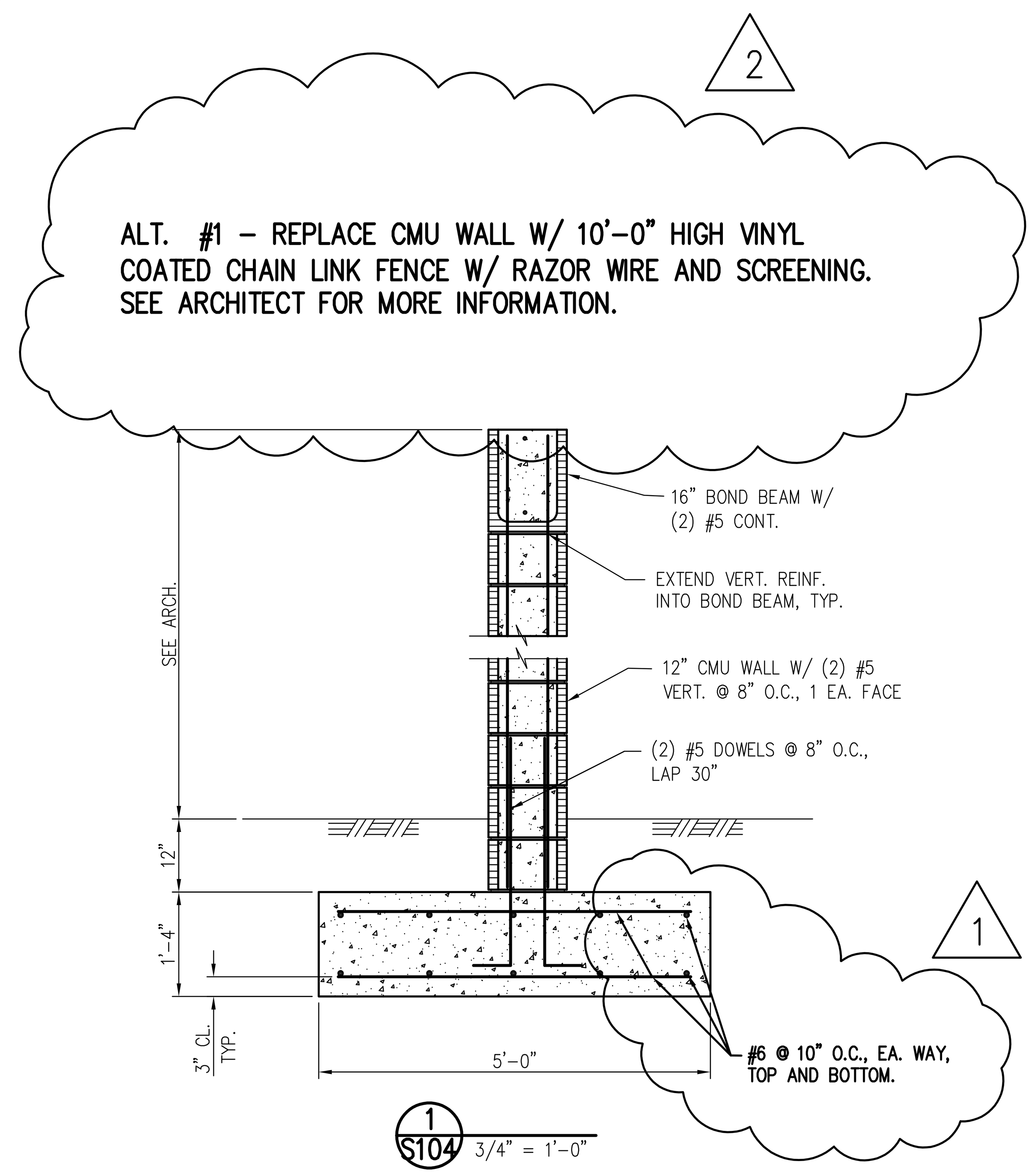
PROJECT NO.:	19-4894E
SHEET ISSUED: 3/18/2021	SHEET NO. S103
DRAWN BY: JB	
REVIEWED BY: KSM	



SITE WALL PLAN
1/16"=1'-0"

NOTES:
1. VERIFY ALL DIMENSIONS WITH ARCHITECT.
2. SEE CIVIL FOR ADDITIONAL INFORMATION



1 S104 3/4" = 1'-0"

SE# 20037

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PROJECT INFORMATION

PROJECT:

Sheriff's Department, Drug Testing, LEMA & VFD

PROJECT ADDRESS:

VILLAGE FAIR MALL
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KEY PLAN

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KENNETH SIMMONS McGRATH
LICENSED PROFESSIONAL ENGINEER
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STATE OF MISSISSIPPI
3-19-21

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	4-26-21	ADDENDUM #2
2	4-30-21	ADDENDUM #3

SHEET TITLE
SITE WALL PLAN

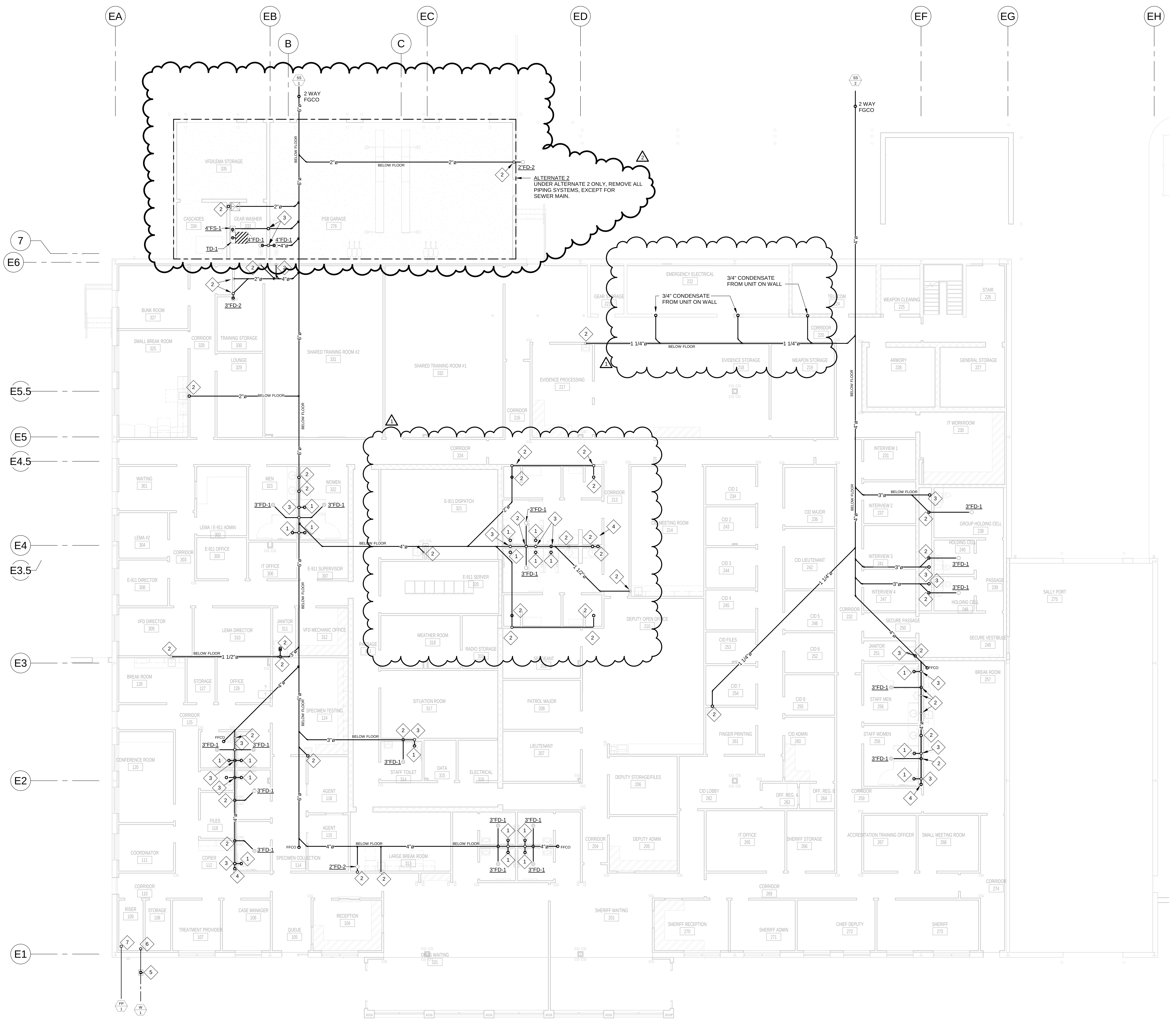
PROJECT NO.: 19-4894 D

SHEET ISSUED: 03/18/2021

DRAWN BY: KSM

REVIEWED BY: KSM

SHEET NO.
S104



PLAN NOTES:

1. TOILET WASTE WITH TOILET FLANGE TROUGH FLOOR.
2. WASTE VENT PIPING THROUGH FLOOR.
3. 3" WASTE THROUGH FLOOR.
4. 4" WASTE THROUGH FLOOR.
5. CUT-OFF VALVE IN HEAVY DUTY BOX WITH COVER.
6. 3" COLD WATER UP THROUGH FLOOR IN RISER ROOM.
7. 6" FIRE PROTECTION MAIN THROUGH FLOOR OF RISER ROOM.

FLOOR PLAN - BELOW FLOOR PLUMBING

1 P101 — 1/8" = 1'-0"

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PROJECT INFORMATION

PROJECT:

Project Name

PROJECT ADDRESS:

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YATES CONSTRUCTION

KEY PLAN

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SEAL

JASON CHRISTOPHER GROSSI
LICENSED PROFESSIONAL ENGINEER
17087
3/18/2021
STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	Addendum 2
2	04/30/2021	Addendum 3

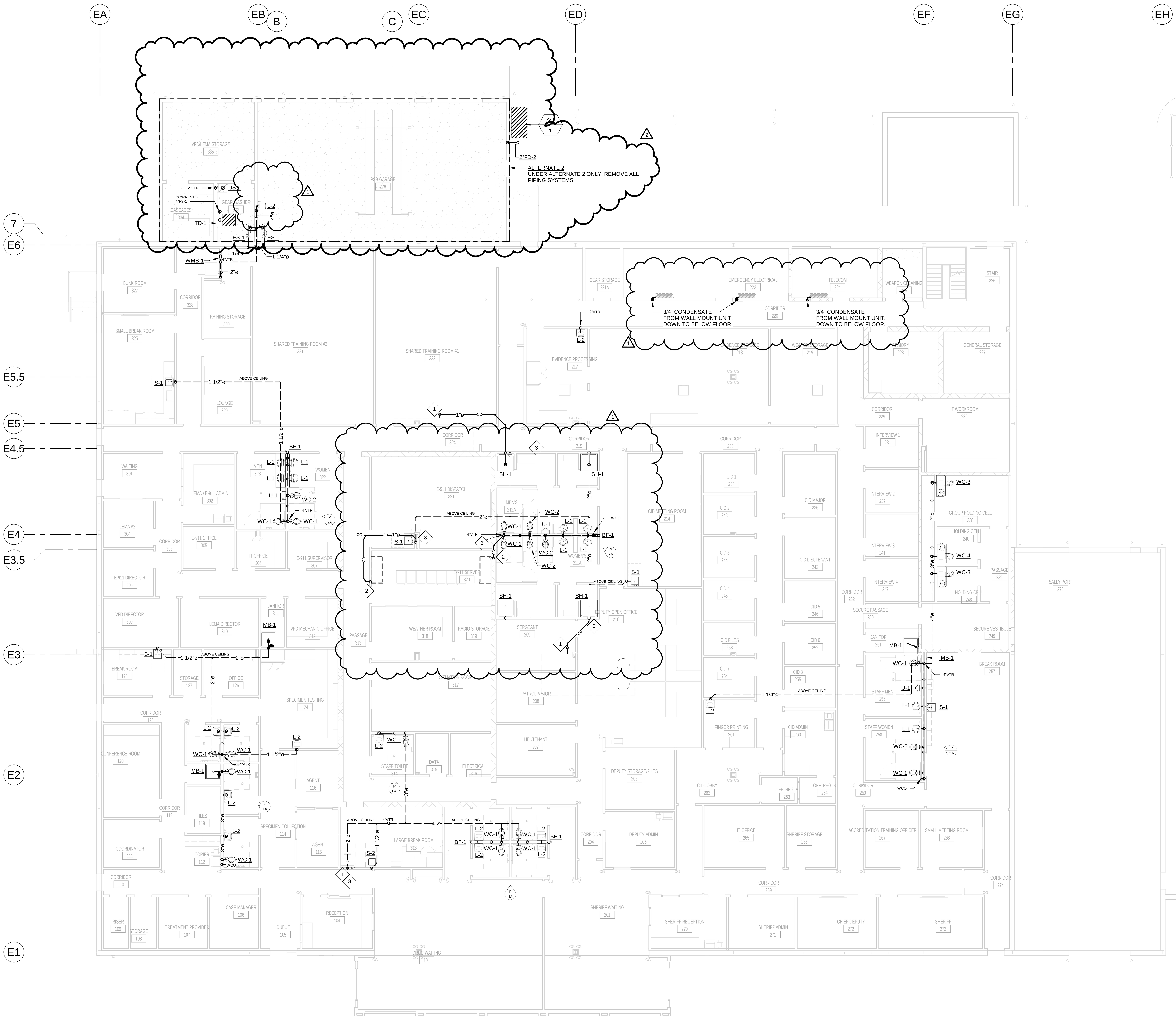
SHEET TITLE

FLOOR PLAN - BELOW FLOOR PLUMBING

20.087

Engineering Resource Group Inc.
350 Edgewood Terrace Drive
Jackson, MS 39206
Phone: (601) 362-3552
Fax: (601) 366-6418

PROJECT NO.:	19-4894B
SHEET ISSUED:	3-18-21
DRAWN BY:	CMM
REVIEWED BY:	JCG
SHEET NO.	P101



FLOOR PLAN - PLUMBING SANITARY

1 / P102 — 1/8" = 1'-0"

PLAN NOTES:

1. 1" CONDENSATE FROM ROOF TOP UNIT. PIPE DOWN THROUGH ROOF AND ROUTE TO VERTICAL VENT AND CONNECT WITH A DEEP SEAL P-TRAP. INSULATE ALL CONDENSATE WITH 3/4" ARMAFLEX.
2. 1" CONDENSATE FROM DSS UNIT IN ROOM. PIPE DOWN THROUGH ROOF AND ROUTE TO VERTICAL VENT AND CONNECT WITH A DEEP SEAL P-TRAP. INSULATE ALL CONDENSATE WITH 3/4" ARMAFLEX.
3. CONNECT TO VENT PIPING IN THIS AREA WITH DEEP SEAL P-TRAP.

GENERAL NOTES:

1. ALL CONDENSATE TO BE INSULATED WITH 3/4" ARMAFLEX.
2. ALL PENETRATIONS INTO SPACES WITH CLEAN AGENT SYSTEMS SHALL BE SEALED AIR TIGHT.
3. ALL VENTS THROUGH ROOF SHALL BE A MINIMUM OF 10 FT. FROM ANY AIR INTAKE.

L P K architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect

PROJECT INFORMATION

PROJECT:

Project Name

PROJECT ADDRESS:

Enter address here

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

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- ☐ SCHEMATIC DESIGN
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SEAL

JASON CHRISTOPHER GROSS — LICENSED PROFESSIONAL ENGINEER — 17087 — STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	Addendum 2
2	04/30/2021	Addendum 3

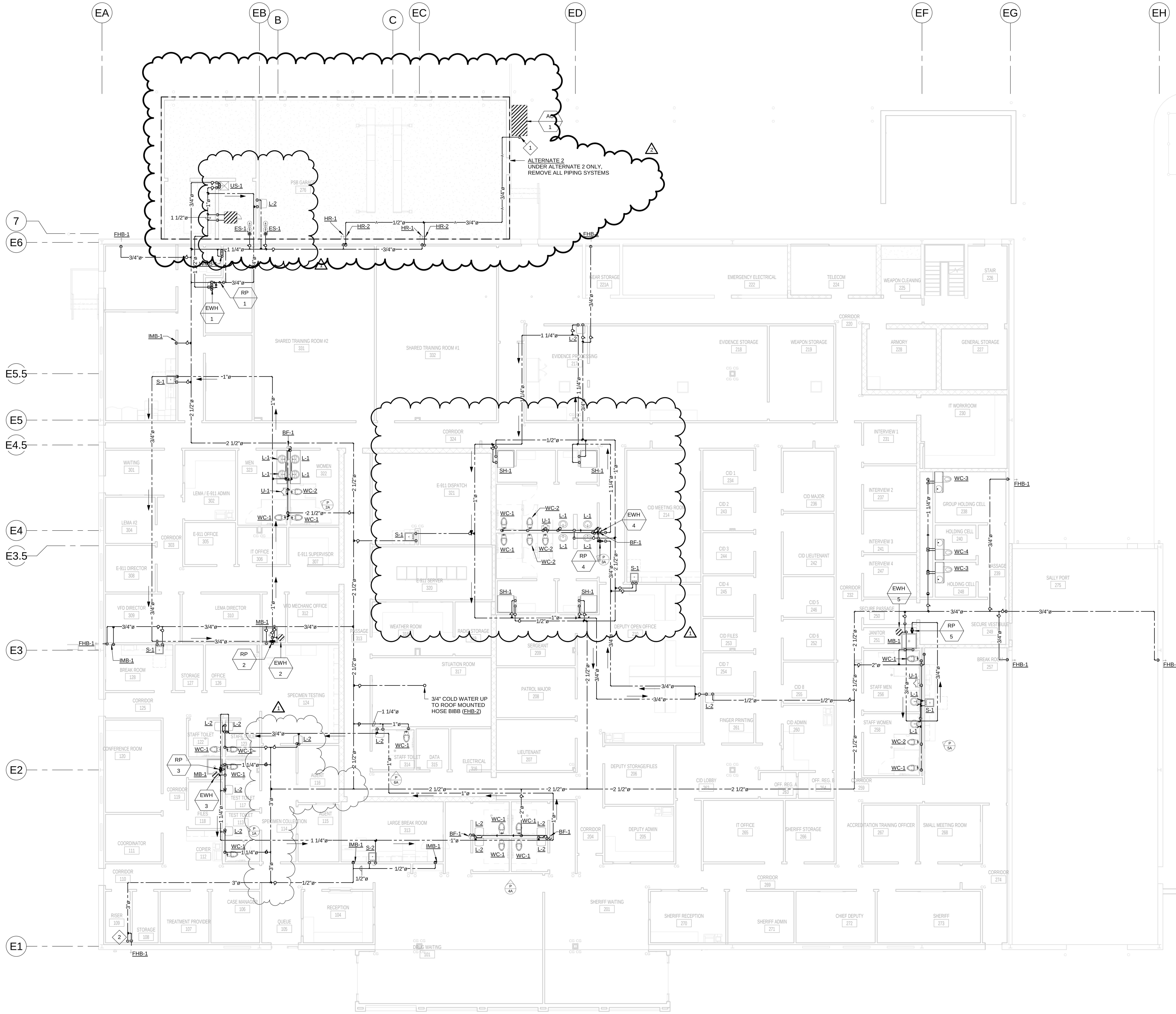
SHEET TITLE

FLOOR PLAN - PLUMBING SANITARY

20.087

Engineering Resource Group Inc.
350 Edgewood Terrace Drive
Jackson, MS 39206
Phone: (601) 362-3552
Fax: (601) 366-6418

PROJECT NO.:	19-4894B
SHEET ISSUED:	3-18-21
DRAWN BY:	CMM
REVIEWED BY:	JCG
SHEET NO.	P102



PLAN NOTES:

1. AIR PIPING TO RISE FROM AIR COMPRESSOR. ROUTE HIGH IN STRUCTURE.

GENERAL NOTES:

1. PROVIDE ACCESS PANELS IN AREAS WHERE CUT-OFF VALVES OCCUR ABOVE HARD CEILINGS.

FLOOR PLAN - PLUMBING SUPPLY

1 P103 — 1/8" = 1'-0"

LPK architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect

PROJECT INFORMATION

PROJECT:

Project Name

PROJECT ADDRESS:

Enter address here

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

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REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
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2	04/30/2021	Addendum 3

SHEET TITLE

FLOOR PLAN - PLUMBING SUPPLY

20.087

Engineering Resource Group Inc.
350 Edgewood Terrace Drive
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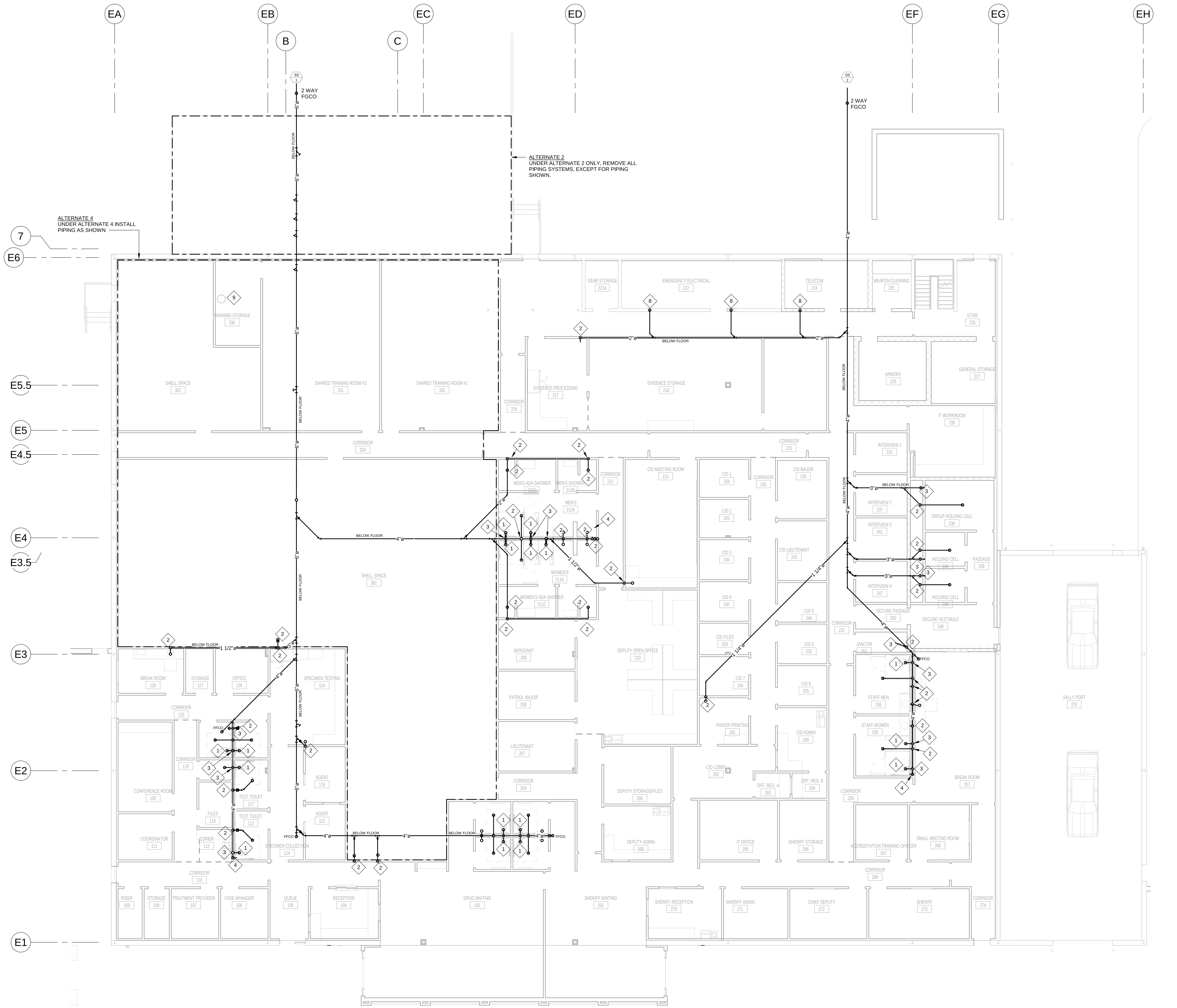
PROJECT NO.:	19-4894B
SHEET ISSUED:	3-18-21
DRAWN BY:	CMM
REVIEWED BY:	JCG
SHEET NO.	P103



1
P104A
FLOOR PLAN - BELOW FLOOR PLUMBING - Alternates
1/8" = 1'-0"

PLAN NOTES: #

1. TOILET WASTE WITH TOILET FLANGE TROUGH FLOOR.
2. WASTE VENT PIPING THROUGH FLOOR.
3. 3" WASTE THROUGH FLOOR.
4. 4" WASTE THROUGH FLOOR.
5. CUT-OFF VALVE IN HEAVY DUTY BOX WITH COVER.
6. 3" COLD WATER UP THROUGH FLOOR IN RISER ROOM.
7. 6" FIRE PROTECTION MAIN THROUGH FLOOR OF RISER ROOM.
8. 1" CONDENSATE FROM AC UNIT ON WALL.
9. WATER HEATER AND FLOOR DRAIN TO REMAIN IF ALTERNATE 2 OR ALTERNATE 4 IS ACCEPTED. IF BOTH ALTERNATES ARE TAKEN, OMIT WATER HEATER AND FLOOR DRAIN.

L P K
architects

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PROJECT INFORMATION
PROJECT:

Project Name

PROJECT ADDRESS:
Enter address here

YATES CONSTRUCTION

KEY PLAN

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SEAL
17087
3/18/2021
STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	04/30/2021	Addendum 3

SHEET TITLE
FLOOR PLAN - BELOW FLOOR PLUMBING - ALTERNATES

20.087

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350 Edgewood Terrace Drive
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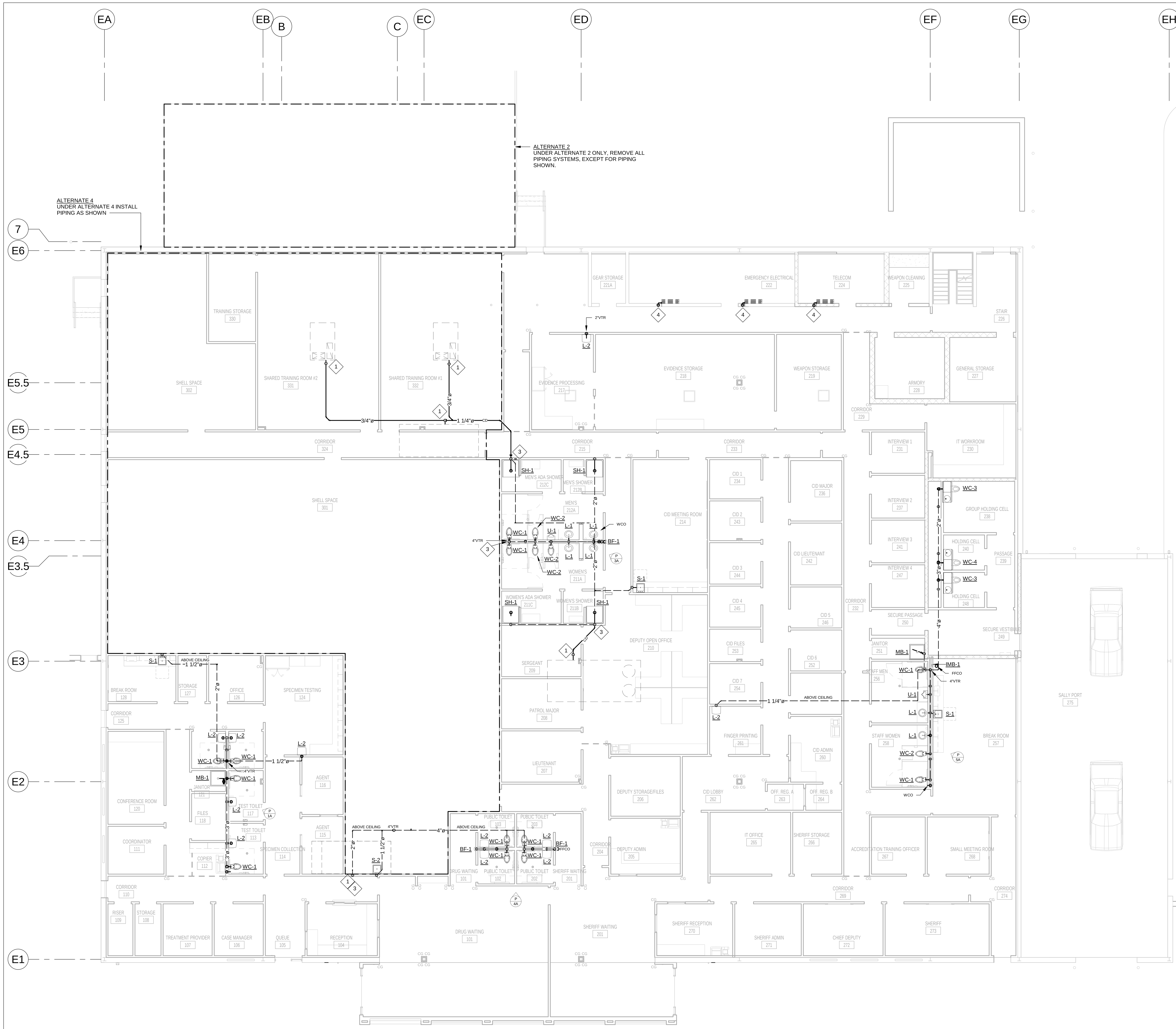
PROJECT NO.: 19-4894B
SHEET ISSUED: 3-18-21
DRAWN BY: Author
REVIEWED BY: Checker
SHEET NO. P104A



1 P105A **FLOOR PLAN - PLUMBING SANITARY - Alternates**
1/8" = 1'-0"

PLAN NOTES:

1. 1" CONDENSATE FROM ROOF TOP UNIT. PIPE DOWN THROUGH ROOF AND ROUTE TO VERTICAL VENT AND CONNECT WITH A DEEP SEAL P-TRAP. INSULATE ALL CONDENSATE WITH 3/4" ARMAFLEX.
2. 1" CONDENSATE FROM DSS UNIT IN ROOM. PIPE DOWN THROUGH ROOF AND ROUTE TO VERTICAL VENT AND CONNECT WITH A DEEP SEAL P-TRAP. INSULATE ALL CONDENSATE WITH 3/4" ARMAFLEX.
3. CONNECT TO VENT PIPING IN THIS AREA WITH DEEP SEAL P-TRAP.
4. 1" CONDENSATE FROM AC UNIT ON WALL. INSULATE WITH 3/4" ARMAFLEX.

GENERAL NOTES:

1. ALL CONDENSATE TO BE INSULATED WITH 3/4" ARMAFLEX.
2. ALL PENETRATIONS INTO SPACES WITH CLEAN AGENT SYSTEMS SHALL BE SEALED AIR TIGHT.
3. ALL VENTS THROUGH ROOF SHALL BE A MINIMUM OF 10 FT. FROM ANY AIR INTAKE.

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SEAL

JASON CHRISTOPHER GROSS, LICENSED PROFESSIONAL ENGINEER, 17087, 3/18/2021, STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	04/30/2021	Addendum 3

SHEET TITLE:
FLOOR PLAN - PLUMBING SANITARY - ALTERNATES

20.087

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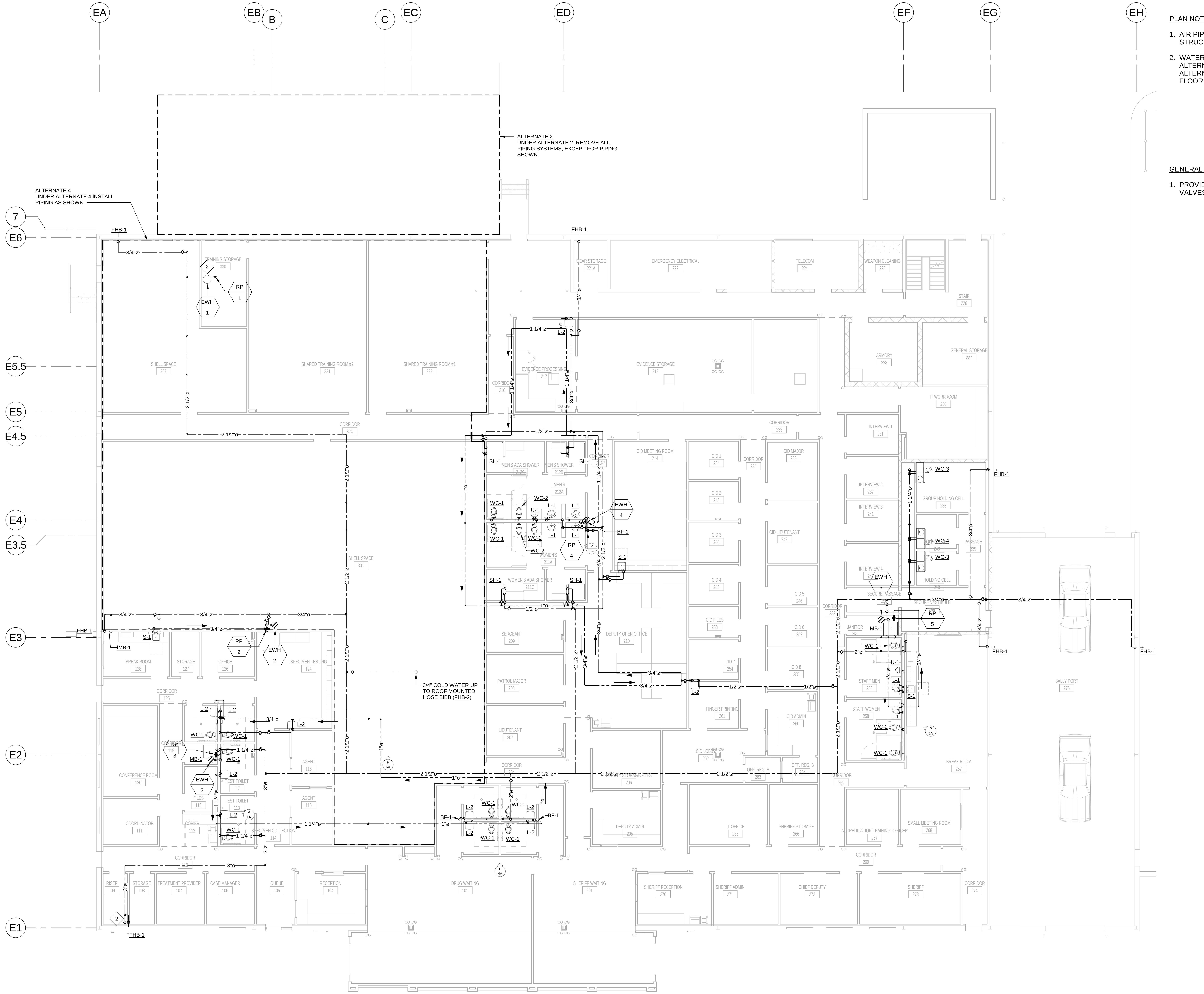
PROJECT NO.: 19-4894B
SHEET ISSUED: 3-18-21
DRAWN BY: Author
REVIEWED BY: Checker
SHEET NO. P105A



FLOOR PLAN - PLUMBING SUPPLY - Alternates

1 P106A

1/8" = 1'-0"

PLAN NOTES:

1. AIR PIPING TO RISE FROM AIR COMPRESSOR. ROUTE HIGH IN STRUCTURE.
2. WATER HEATER AND FLOOR DRAIN TO REMAIN IF ALTERNATE 2 OR ALTERNATE 4 IS ACCEPTED. IF BOTH ALTERNATES ARE TAKEN, OMIT WATER HEATER AND FLOOR DRAIN.

GENERAL NOTES:

1. PROVIDE ACCESS PANELS IN AREAS WHERE CUT-OFF VALVES OCCUR ABOVE HARD CEILINGS.

L P K
architects

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PROJECT INFORMATION

PROJECT:

Project Name

PROJECT ADDRESS:

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YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

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- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL

JASON CHRISTOPHER GROSS
LICENSED PROFESSIONAL ENGINEER
17087
3/18/2021
STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	04/30/2021	Addendum 3

SHEET TITLE

FLOOR PLAN - PLUMBING SUPPLY - ALTERNATES

20.087

Engineering Resource Group Inc.
350 Edgewood Terrace Drive
Jackson, MS 39206
Phone: (601) 362-3552
Fax: (601) 366-6418

PROJECT NO.:	19-4894B
SHEET ISSUED:	3-18-21
DRAWN BY:	Author
REVIEWED BY:	Checker
SHEET NO.	P106A

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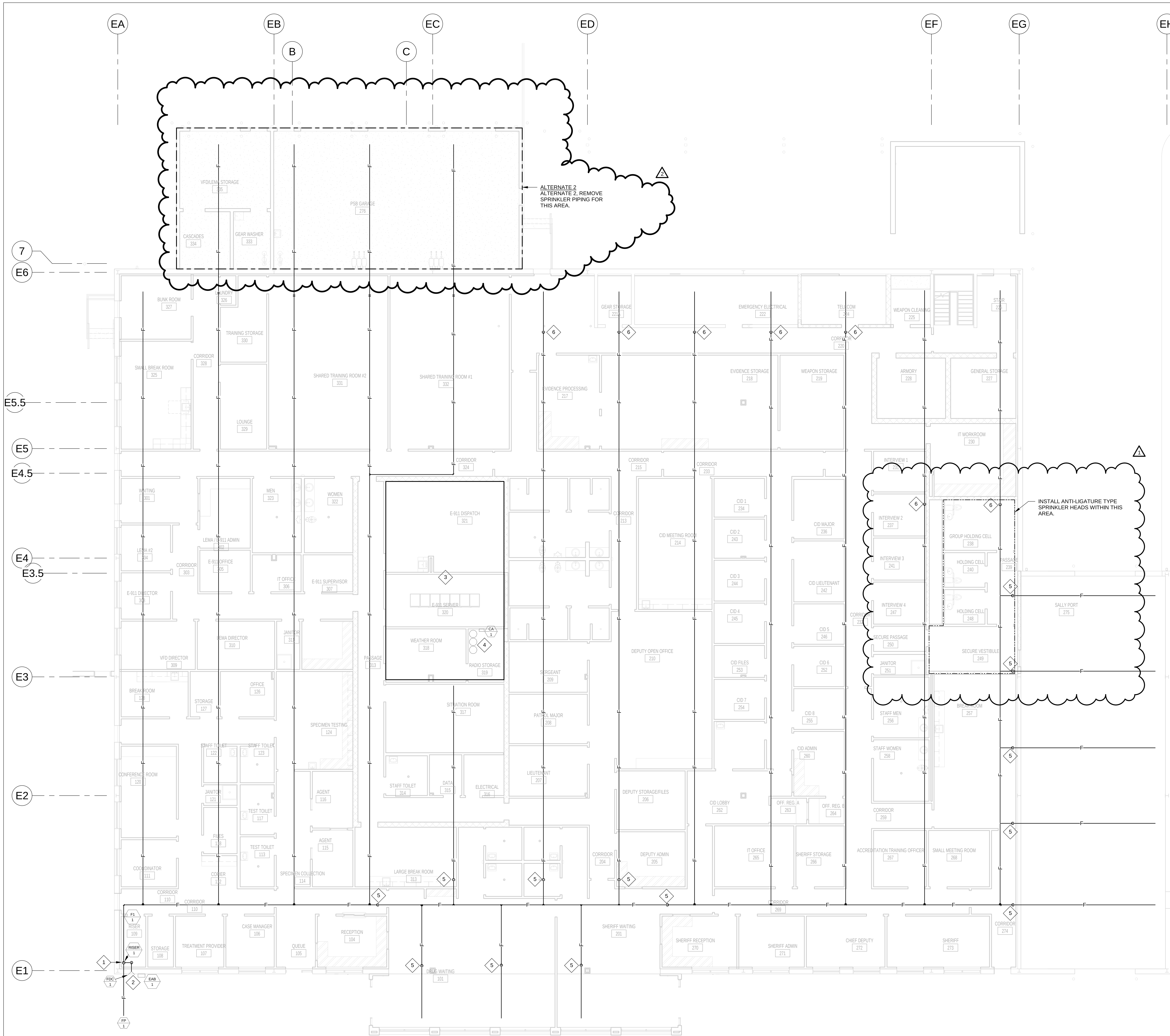

FLOOR PLAN - FIRE PROTECTION

1 / FP101 — 1/8" = 1'-0"

PLAN NOTES:

1. 6" FIRE PROTECTION SERVICE WITH BACKFLOW PREVENTER. RISE WITH OS&Y VALVE WITH TAMPER SWITCH AND FLOW CONTROL. CONTINUE TO CALCULATED SPRINKLER SYSTEM.
2. FIRE DEPARTMENT CONNECTION ON BUILDING. VERIFY LOCATION WITH ARCHITECTURAL.
3. INSTALL CLEAN AGENT FIRE SUPPRESSION SYSTEM WITHIN THIS AREA. COORDINATE LOCATION FOR EQUIPMENT WITH ARCHITECT AND OWNER.
4. INSTALL CLEAN AGENT FIRE SUPPRESSION SYSTEM (TANK AND 120 VOLT CONTROL PANEL) IN THIS AREA. COORDINATE LOCATION WITH ARCH. AND ELECTRICAL SERVICE. COORDINATE NOZZLE LOCATIONS WITH ARCHITECT AND OWNER.
5. OFF-SET FIRE SPRINKLER PIPING TO HIGHER CEILING.
6. FIRE SPRINKLER PIPING UP TO MEZZANINE LEVEL

GENERAL NOTE:

A. ALL PENETRATIONS INTO SPACES WITH CLEAN AGENT SYSTEMS SHALL BE SEALED AIR TIGHT.

DRAWING INDEX - FIRE PROTECTION	
Sheet Number	Sheet Name
FP101	FLOOR PLAN - FIRE PROTECTION
FP401	MEZZANINE PLAN AND FIRE PROTECTION DETAILS AND SCHEDULES

LPK architects

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PROJECT INFORMATION

PROJECT:

Project Name

PROJECT ADDRESS:

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YATES CONSTRUCTION

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SEAL

JASON CHRISTOPHER GROSS, LICENSED PROFESSIONAL ENGINEER, 17087, 3/18/2021, STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
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2	04/30/2021	Addendum 3

SHEET TITLE

FLOOR PLAN - FIRE PROTECTION

20.087

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PROJECT NO.:	19-4894B
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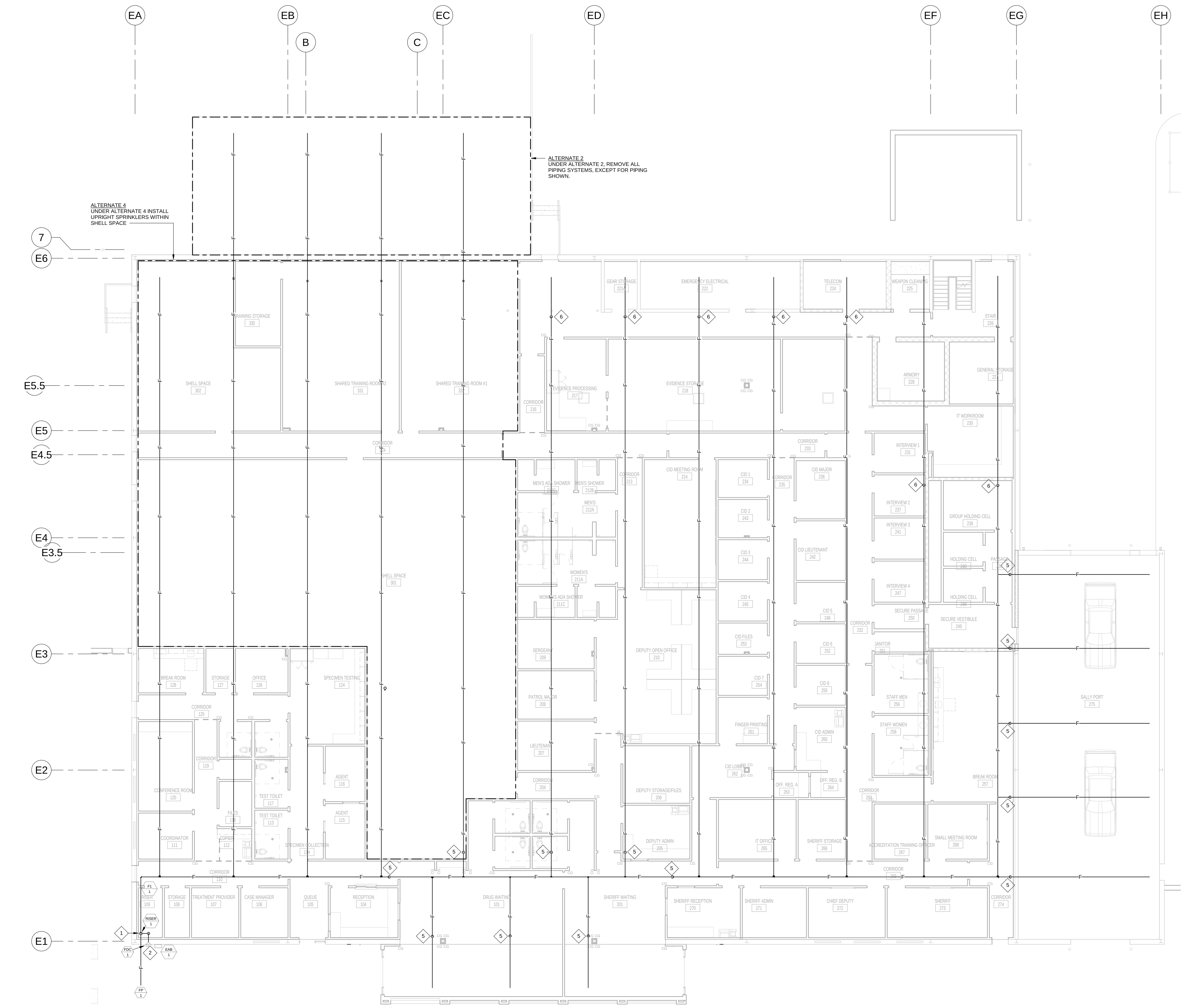

FLOOR PLAN - FIRE PROTECTION - Alternates

1 FP102A

1/8" = 1'-0"

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NO.	DATE	DESCRIPTION
2	04/30/2021	Addendum 3

SHEET TITLE

FLOOR PLAN - FIRE PROTECTION - ALTERNATES

20.087

Engineering Resource Group Inc.
350 Edgewood Terrace Drive
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PROJECT NO.: 19-4894B

SHEET ISSUED: 3-18-21

DRAWN BY: Author

REVIEWED BY: Checker

SHEET NO. FP102A

HVAC LEGEND AND ABBREVIATIONS

PIPING LEGEND

RS / RL	REFRIGERANT SUCTION REFRIGERANT LIQUID
	ARROW INDICATES DIRECTION OF FLOW
	PITCH PIPE DOWN IN DIRECTION OF ARROW
	EXPANSION COMPENSATOR
	CONCENTRIC REDUCER (INCREASER)
	ECCENTRIC REDUCER (INCREASER)
	UNION
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	BOTTOM PIPE CONNECTION
	TOP PIPE CONNECTIONS
	SLOPED CHANGE IN PIPE ELEVATION
	BALL VALVE
	SIGHT GLASS
	MANUAL AIR VENT
	PIPE SENSOR WELL (THERMOMETER)

DUCTWORK LEGEND

	RADIUS ELBOW
	ELBOW WITH TURNING VANES
	RECTANGULAR BRANCH TAKEOFF WITH BALANCING DAMPER
	RECTANGULAR SUPPLY DUCT UP
	RECTANGULAR SUPPLY DUCT DOWN
	RECTANGULAR RETURN OR EXHAUST DUCT UP
	RECTANGULAR RETURN OR EXHAUST DUCT DOWN
	ROUND DUCT, UP
	ROUND DUCT, DOWN
	SLOPING RISE IN DUCTWORK
	SLOPING DROP IN DUCTWORK
18x12 / 18x12	DUCT SIZE (CLEAR INSIDE DIMENSION) FIRST FIGURE INDICATES PLAN SIZE
18 ⌀ / 18 ⌀	ROUND DUCT DIAMETER SIZE (CLEAR INSIDE DIMENSION)
18/12 / 18/12	OVAL DUCT SIZE
	SIDE, TOP OR BOTTOM DUCT ACCESS DOOR
	RECTANGULAR OR SQUARE TO ROUND OR OVAL TRANSITION
	FLEXIBLE DUCT
	VOLUME DAMPER IN DUCT
M	MOTORIZED DAMPER
F	FIRE DAMPER
B	GRAVITY BACK DRAFT DAMPER
	SUPPLY DIFFUSER

DUCTWORK LEGEND (CONT.)

	RETURN/EXHAUST REGISTER OR GRILLE
	SUPPLY REGISTER WITH AIR OUTLET DEVICE DESIGNATION
	RETURN OR EXHAUST REGISTER OR GRILLE WITH AIR INLET DEVICE DESIGNATION
	DUCT END/CAP

CONTROLS LEGEND

CO	CARBON MONOXIDE SENSOR
CO2	CARBON DIOXIDE SENSOR
H	HUMIDITY SENSOR
T	THERMOSTAT
NO	NITROGEN OXIDE SENSOR
S	TEMPERATURE SENSOR
WS	WALL SWITCH
	WALL OR CEILING MOTION HEAT SENSOR
FSD	FIRE/SMOKE DAMPER

MISCELLANEOUS

2 / M3.1	SECTION NUMBER; DRAWING NUMBER; SECTION DESIGNATION
1 / M2.1	DETAIL NUMBER; DRAWING NUMBER; DETAIL DESIGNATION
CT / 1-1	EQUIPMENT TYPE; EQUIPMENT NUMBER; EQUIPMENT DESIGNATION
T-3.24	3.24 THE NUMBER ON SYSTEM; SYSTEM; VAV TERMINAL UNIT DESIGNATION
	EXISTING EQUIPMENT, PIPING, OR DUCTWORK TO REMAIN IN SERVICE.
	EXISTING EQUIPMENT, PIPING, OR DUCTWORK TO BE REMOVE

A-12x12" / 200-2A — DIFFUSER DESIGNATION AND LENGTH OR NECK SIZE (LINEAR OR LOUVER DIFFUSER ONLY); PATTERN (4A UNLESS INDICATED OTHERWISE; CFM

DIFFUSER, RETURN, & EXHAUST GRILLE TAG

ABBREVIATIONS - MECHANICAL

AD	ACCESS DOOR
BMS	BUILDING MANAGEMENT SYSTEM
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
CD	CEILING DIFFUSER
CER	CEILING EXHAUST REGISTER
CRG	CEILING RETURN GRILLE
CFM	CUBIC FEET PER MINUTE
CRA	CONDITIONING RETURN AIR
CSA	CONDITIONING SUPPLY AIR
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EDB	ENTERING DRY BULB
EDH	ELECTRICAL DUCT HEATER
EF	EXHAUST FAN
EFF	EFFICIENCY
EWB	ENTERING WET BULB
EWH	ELECTRIC WATER HEATER
EWT	ENTERING WATER TEMPERATURE
°F	DEGREES FAHRENHEIT

ABBREVIATIONS - MECHANICAL

FC	FLEXIBLE CONNECTION (DUCT OR PIPE)
FD	FUSIBLE LINK FIRE DAMPER W/ DUCT ACCESS DOOR
FLR	FLOOR
FLA	FULL LOAD AMPS
FT	FEET
HC	HEATING COIL
HP	HORSE POWER
HR	HOUR
ID	INSIDE DIMENSION
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LRA	LOCK ROTOR AMPS
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MFG	MANUFACTURER
MFS	MAXIMUM FUSE SIZE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
NC	NORMALLY CLOSED
NFA	NET FREE AREA
NIC	NOT IN THIS CONTRACT

ABBREVIATIONS - MECHANICAL

NO	NORMALLY OPEN
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIMENSION
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH (GUAGE)
PSA	PRIMARY SUPPLY AIR
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SENS	SENSIBLE
SP	STATIC PRESSURE
SQFT	SQUARE FEET
TYP	TYPICAL
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W/	WITH
WSR	WALL SUPPLY REGISTER
WB	WET BULB

SHEET INDEX - HVAC

2

GENERAL NOTES - HVAC

1. EACH CONTRACTOR, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER ELECTRICAL SERVICE, AND AVOID CONFLICT WITH ANY OTHER BUILDING SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
2. ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSERS' DISCRETION.
3. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
4. ALL SYSTEMS, EQUIPMENT, AND MATERIALS ARE TO BE INSTALLED IN A NEAT AN WORKMANLIKE MANNER. WORK NOT DONE SO SHALL BE REMOVED AND REINSTALLED SATISFACTORILY.
5. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS. REFERENCE SPECIFICATION SECTION "MECHANICAL GENERAL PROVISIONS" FOR COORDINATION DRAWING REQUIREMENTS.
6. DO NOT SCALE DRAWINGS, PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR THEIR WORK, ALL CUTTING AND PATCHING SHALL MATCH ADJACENT SURFACES.
8. TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUST DUCTS.
9. THESE DRAWINGS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE, HOWEVER LOCATIONS, DEPTHS, ELEVATIONS, AND SIZES WERE TAKEN FROM DIFFERENT SOURCES AND ARE SUBJECT TO DEVIATION. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL PIPING, ETC. AT THE TIME OF BID.
10. WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATIONS IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANY WAY. COORDINATE ALL SUCH PENETRATIONS WITH THE GENERAL CONTRACTOR/ROOFER.
11. ADVISE THE ARCHITECT OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
12. DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.
13. COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, ETC. WITH ALL MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
14. THE PURPOSE AND INTENT OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, AND SAFE FACILITY, ANYTHING LESS SHALL BE UNACCEPTABLE.
15. ALL VIBRATING, OSCILLATING, NOISE PRODUCING OR ROTATING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY, VIBRATING, OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION SHALL BE THAT OF THE ARCHITECT.
16. INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ARCHITECT PRIOR TO INSTALLATION FOR CLARIFICATION.
17. ALL SUPPORTS FOR EQUIPMENT, DEVICES, OR FIXTURES SHALL BE UNIQUE FROM THE BUILDING STRUCTURE. DO NOT SUPPORT FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT AND CONSENT OF THE OTHER TRADE, IN WRITING.
18. DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ARCHITECT OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
19. THE GENERAL CONTRACTOR FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING, AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC.
20. VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT BY THIS CONTRACTOR.
21. PROVIDE FIRE DAMPERS AND APPROPRIATE DUCT ACCESS DOORS IN ALL DUCT PENETRATIONS WHERE REQUIRED BY CODE. CONTACT PROFESSIONAL SHOULD CLARIFICATION BY REQUIRED.
22. PROVIDE METAL SLEEVES AND FIRESTOPPING ON ALL DUCTWORK PASSING THRU RATED WALLS, PER CODE.
23. THE GENERAL CONTRACTOR, MECHANICAL CONTRACTOR, AND ALL OTHER CONTRACTORS SHALL ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, DUCTWORK, ETC. DO NOT BLOCK ACCESS TO VALVES, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
24. THE CONTRACTOR SHALL INCLUDE IN THEIR BID ALL COSTS ASSOCIATED WITH DRAINING AND FILLING PIPING SYSTEMS AS REQUIRED TO INSTALL THEIR NEW WORK.
25. TESTING, ADJUSTING, AND BALANCING AGENCY IS TO PROVIDE SIZING OF FAN AND MOTOR SHEAVES REQUIRED FOR PROPER BALANCE. REPLACE FAN AND MOTOR SHEAVES AND BELTS AS REQUIRED ON EQUIPMENT (AHUs, EFs, ETC.). THE MECHANICAL CONTRACTOR SHALL PURCHASE AND INSTALL ALL SHEAVES AND BELTS AS REQUIRED.
26. PRIOR TO ORDERING ANY MATERIALS OR ROUGH-IN OF ANY KIND, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION OF ALL ELECTRICAL REQUIREMENTS (I.E., VOLTAGE, PHASE, CIRCUIT BREAKER, WIRING SIZE, ETC.) WITH THE ELECTRICAL CONTRACTOR. THERE WILL BE NO CHANGE IN THE CONTRACT AMOUNT FOR ANY DISCREPANCIES. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ALL OTHER CONTRACTORS, VENDORS, AND SUPPLIERS AND SHALL INSURE COMPLETE, 100% FUNCTIONAL, TESTED, INSPECTED, AND APPROVED SYSTEMS. CLAIMS FOR ADDITIONAL COST OR CHANGE ORDERS WILL IMMEDIATELY BE REJECTED.
27. EQUIPMENT BRACING WILL BE INCLUDED FOR ALL OVERHEAD UTILITIES AND OTHER EQUIPMENT WEIGHING 31 POUNDS OR MORE (EXCLUDING DISTRIBUTED SYSTEMS SUCH AS PIPING, ETC.). BRACING SHALL BE ACCOMPLISHED BY EITHER RIGID OR FLEXIBLE SYSTEMS. ALL EQUIPMENT MOUNTINGS SHALL BE DESIGNED TO RESIST FORCES OF 0.5 TIMES THE EQUIPMENT WEIGHT IN ANY DIRECTION AND 1.5 TIMES THE EQUIPMENT WEIGHT IN THE DOWNWARD DIRECTION. ALL BRACING SHALL BE CONTRACTOR DESIGNED.
28. ALL BRANCH DUCTS TO AIR DISTRIBUTION DEVICES (SUPPLY, RETURN, EXHAUST, ETC.) SHALL INCLUDE A VOLUME DAMPER PER DRAWINGS AND SPECIFICATIONS.
29. DUCT SIZES INDICATED ARE ACTUAL INSIDE (NET) DIMENSIONS. ALL RECTANGULAR SUPPLY, RETURN, EXHAUST, AND OUTDOOR AIR DUCT SIZES ARE INSIDE CLEAR DIMENSIONS (INSIDE LINER, WHERE APPLICABLE).

20.087

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PROJECT INFORMATION

PROJECT:

THE GREAT SEAL OF THE STATE OF MISSISSIPPI

Lauderdale County
Public Safety Building

PROJECT ADDRESS:
Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES
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JASON CHRISTOPHER GROSS
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3/18/2021
STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

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SHEET TITLE

HVAC LEGENDS, ABBREVIATIONS AND NOTES

PROJECT NO.:	19-4894B
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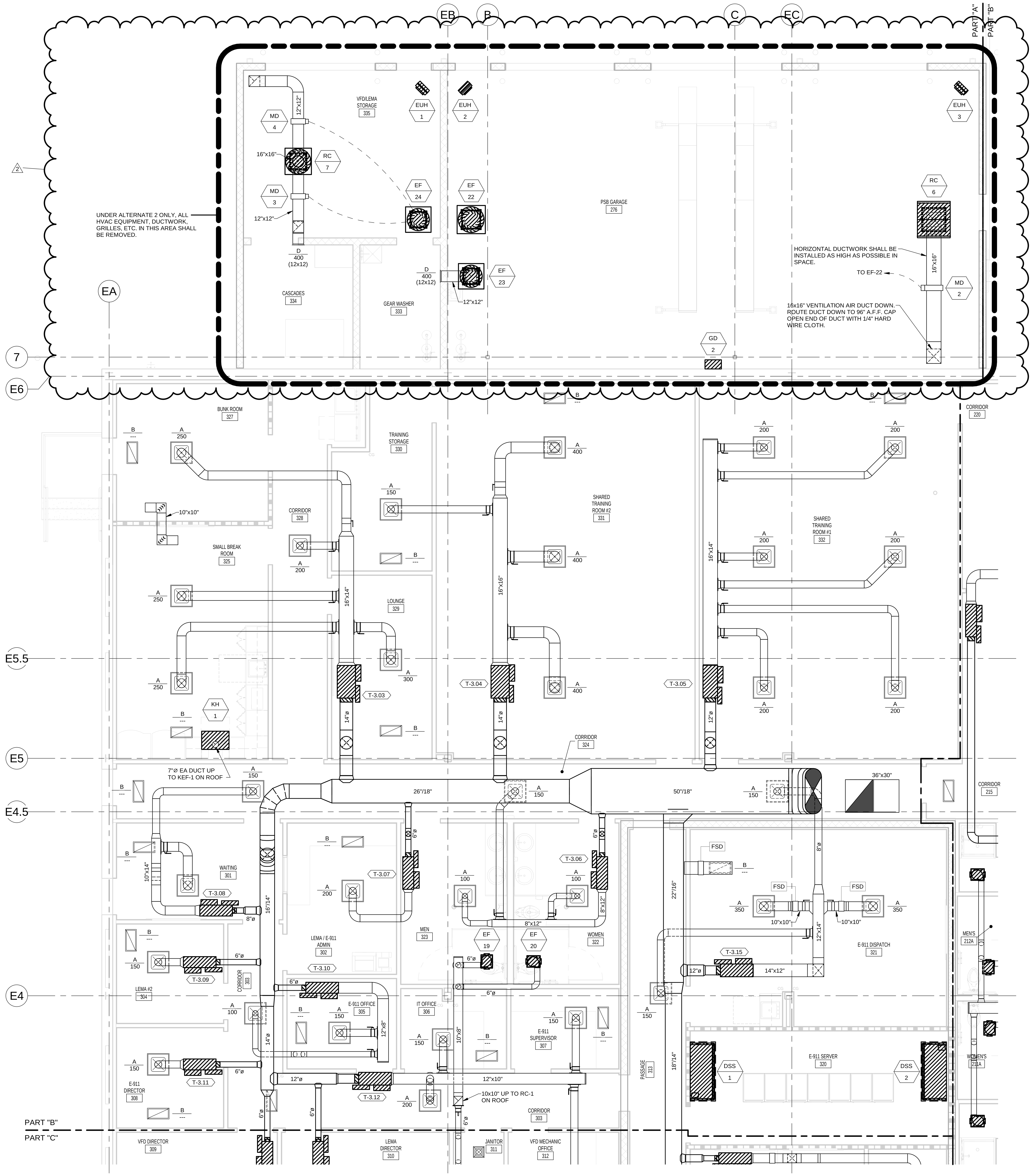
REVIEWED BY:	JCG
SHEET NO.	M001

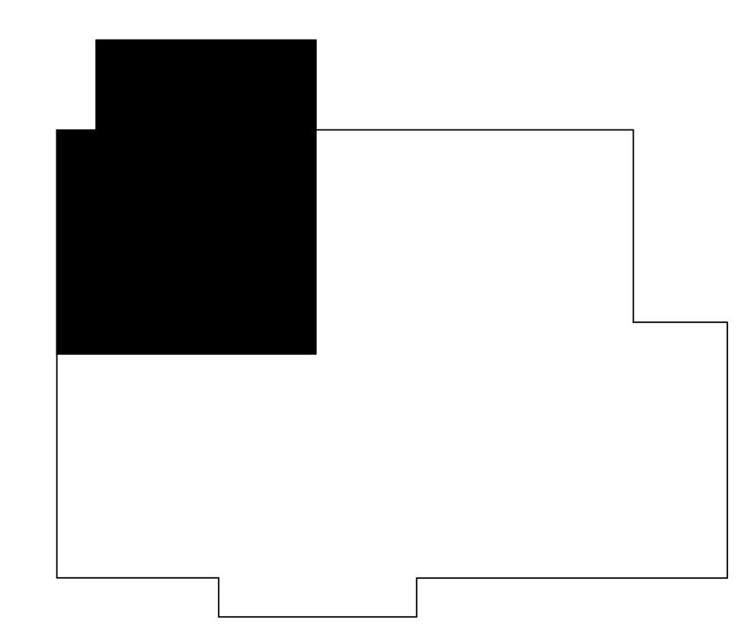


FIRST FLOOR HVAC PLAN - PART "A"

1/4" = 1'-0"

GENERAL NOTES:

A. CAP OPEN ENDS OF ALL DUCTWORK WITH 1/4" HARD WIRE CLOTH.



KEY PLAN

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PROJECT INFORMATION

PROJECT:

Lauderdale County Public Safety Building

PROJECT ADDRESS:

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JASON CHRISTOPHER GROSS, LICENSED PROFESSIONAL ENGINEER, 17087, 3/18/2021, STATE OF MISSISSIPPI

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FIRST FLOOR HVAC PLAN - PART "A"

20.087

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350 Edgewood Terrace Drive
Jackson, MS 39206
Phone: (601) 362-3552
Fax: (601) 366-6418

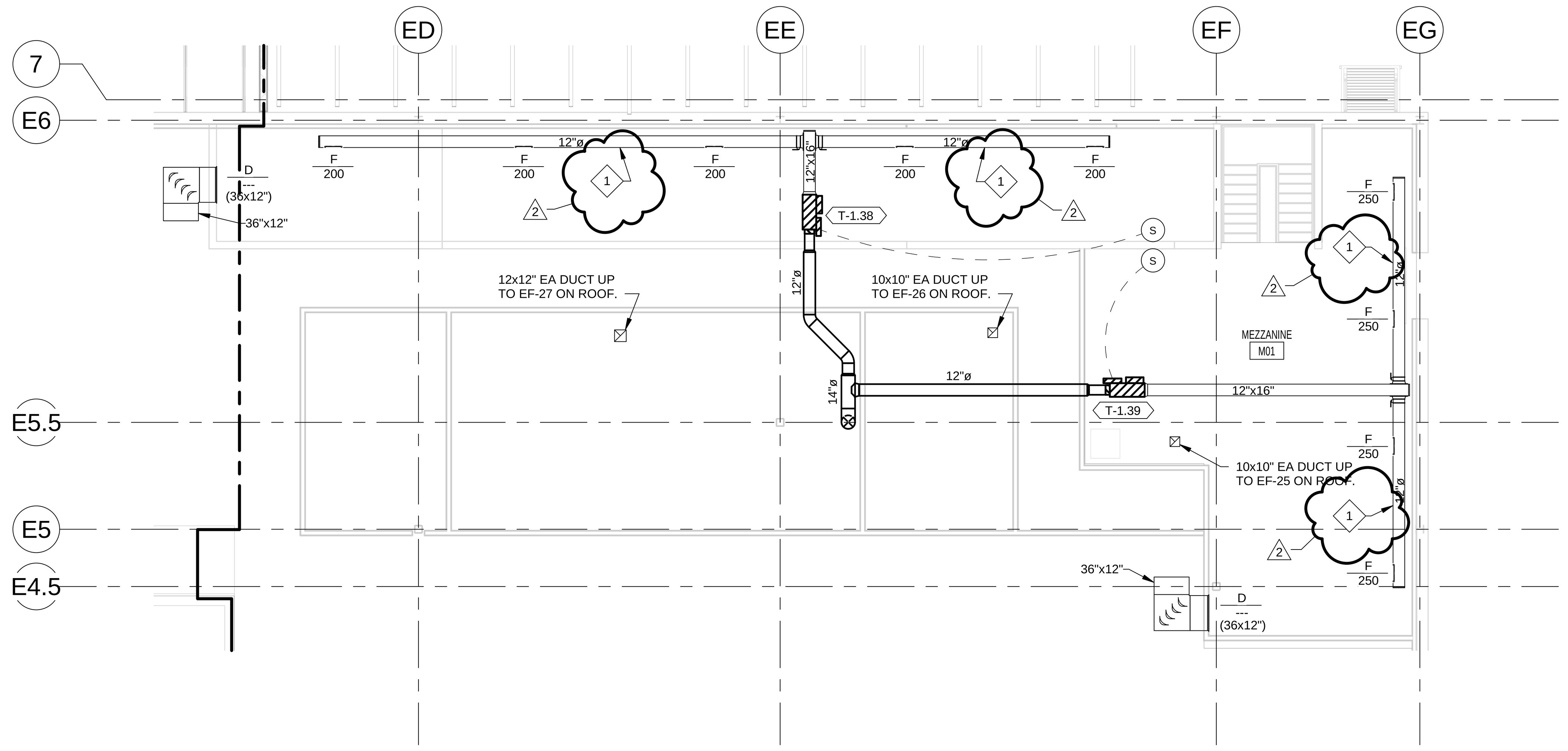
PROJECT NO.:	19-4894B
SHEET ISSUED:	03/18/2021
DRAWN BY:	GCC
REVIEWED BY:	JCG
SHEET NO.	M101

GENERAL NOTES:

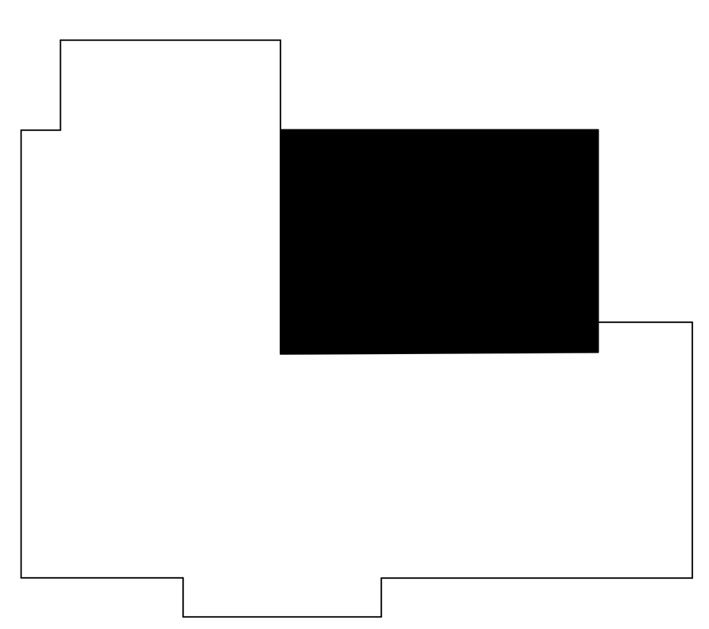
A. CAP OPEN ENDS OF ALL DUCTWORK WITH 1/4" HARD WIRE CLOTH.

PLAN NOTES:

1. ROUND LOW PRESSURE DUCTWORK SHALL BE DOUBLE WALL SPIRAL.



1 M105 **MEZZANINE FLOOR PLAN - HVAC**
1/8" = 1'-0"



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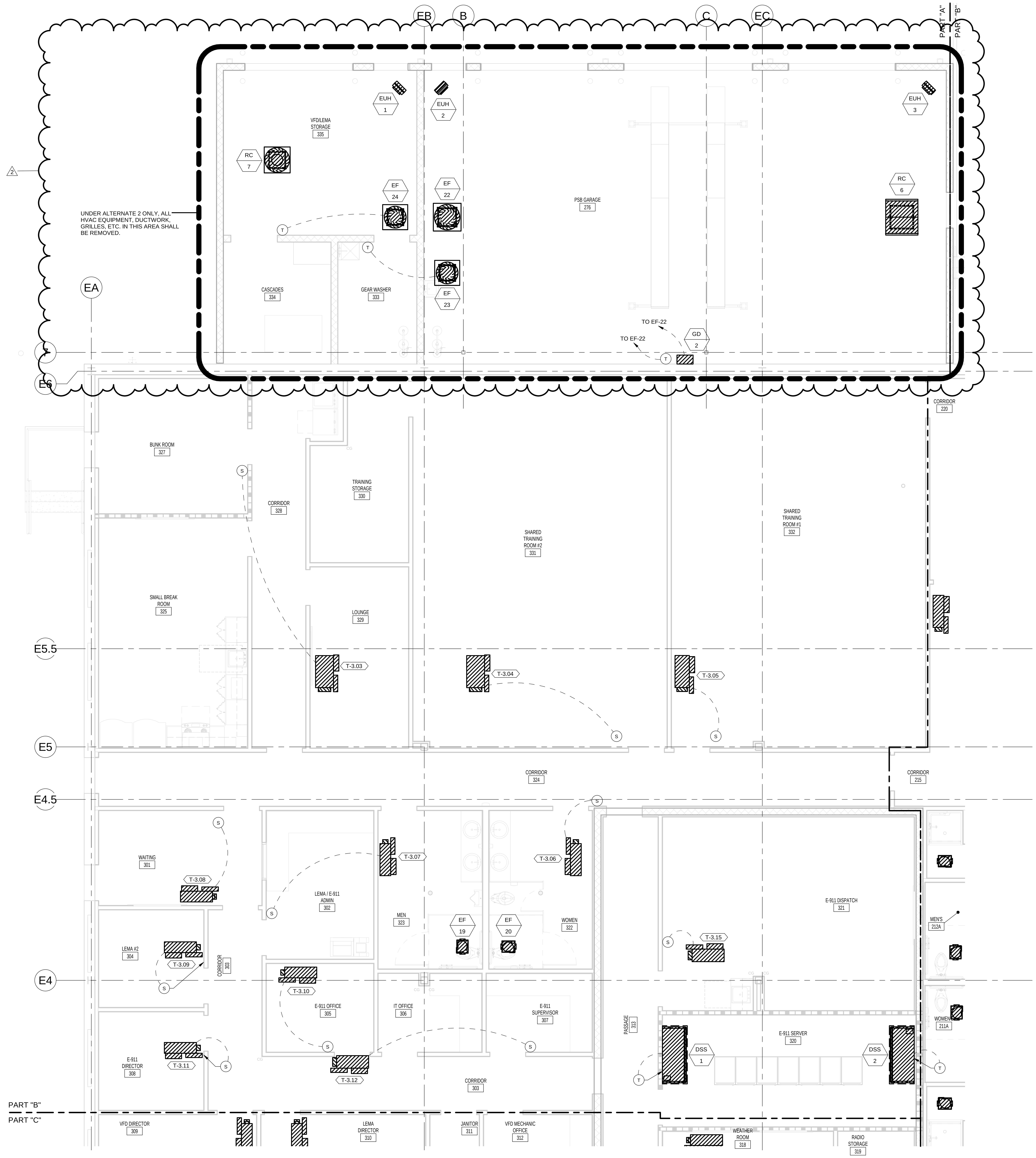


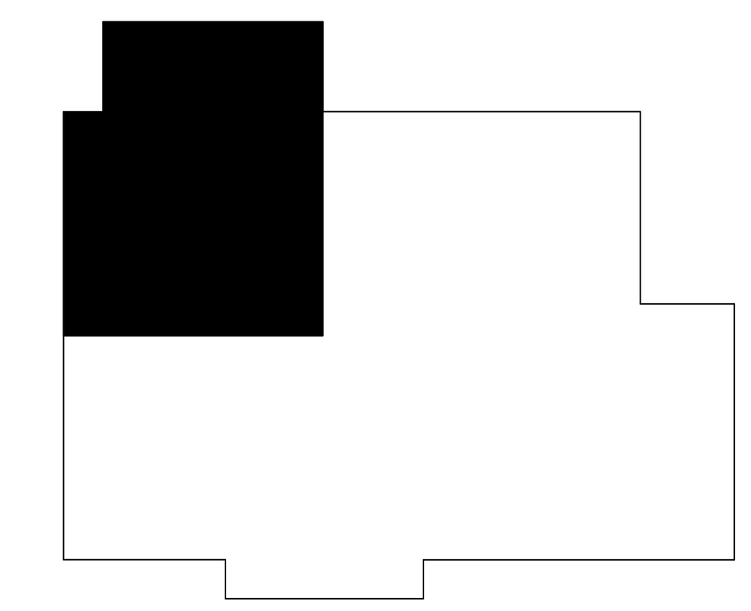
1
M107

FIRST FLOOR HVAC THERMOSTAT PLAN - PART "A"

1/4" = 1'-0"

GENERAL NOTES:

A. ALL THERMOSTATS SHALL BE MOUNTED 48" A.F.F. AND LOCATED INLINE WITH LIGHT SWITCHES. COORDINATE EXACT LOCATIONS OF THERMOSTATS IN FIELD.



KEY PLAN

20.087

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PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL

JASON CHRISTOPHER GROSS
LICENSED PROFESSIONAL ENGINEER
17087
3/18/2021
STATE OF MISSISSIPPI

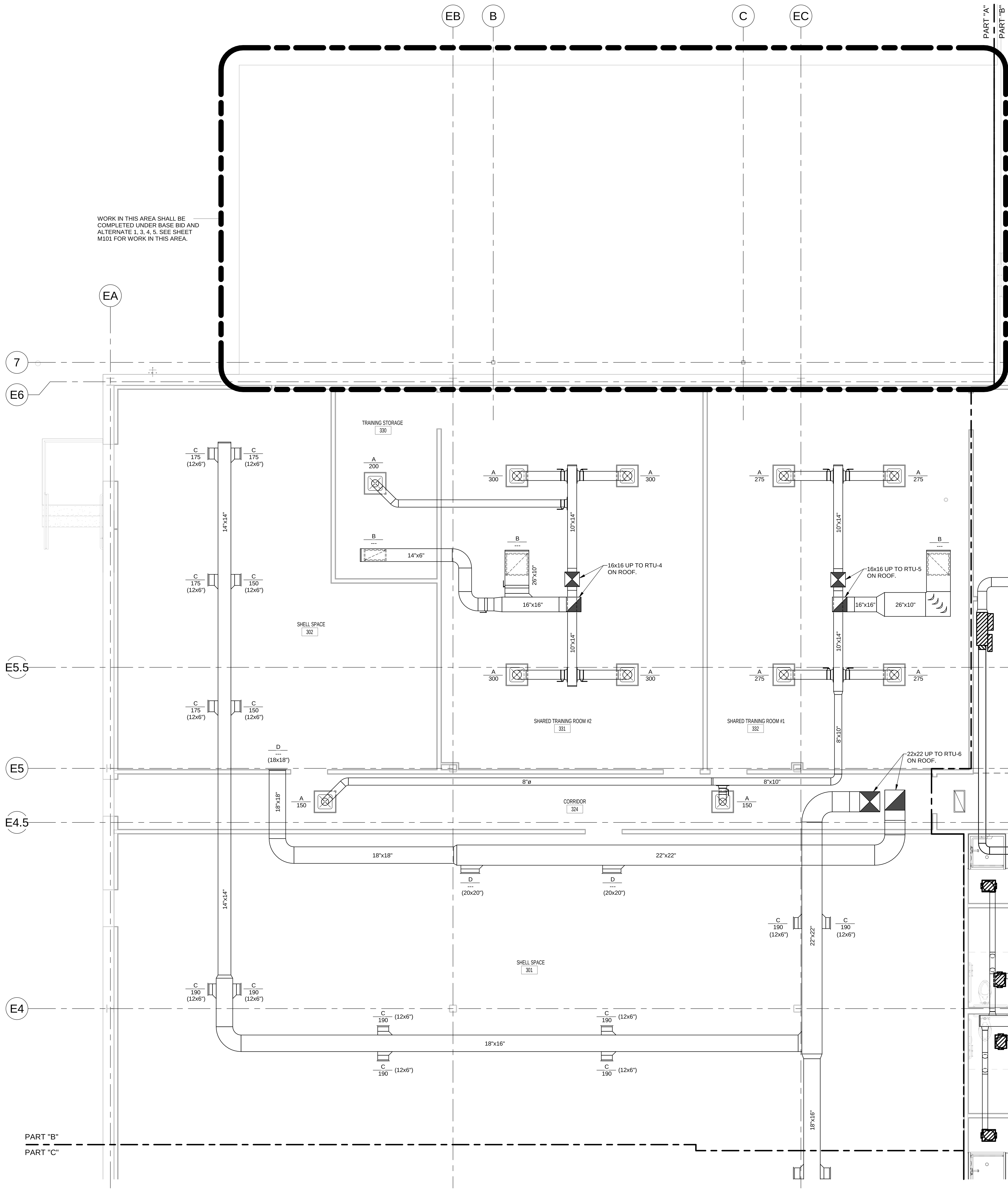
REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	04/30/2021	ADDENDUM #3

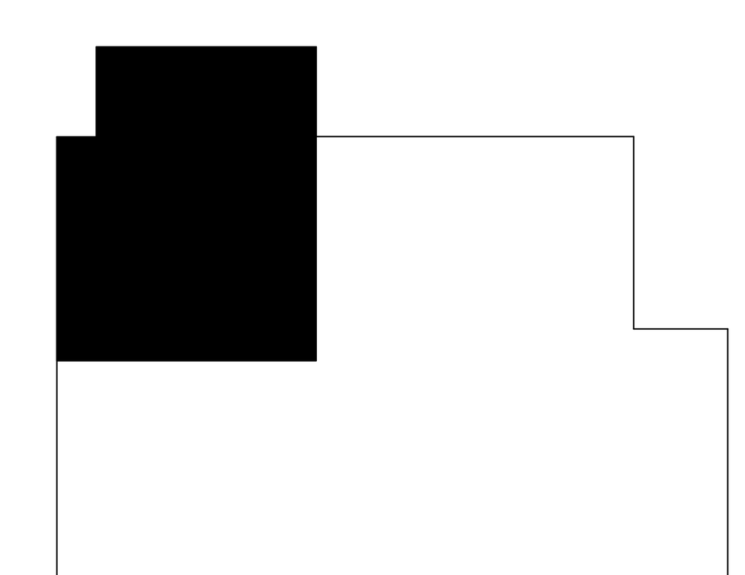
SHEET TITLE

FIRST FLOOR HVAC THERMOSTAT PLAN - PART "A"

PROJECT NO.:	19-4894B
SHEET ISSUED:	03/18/2021
DRAWN BY:	GCC
REVIEWED BY:	JCG
SHEET NO.	M107



1 M111A **FIRST FLOOR HVAC PLAN - PART "A" - ALT. 4**
1/4" = 1'-0"



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- [ ] AS-BUILT RECORD SET

SEAL

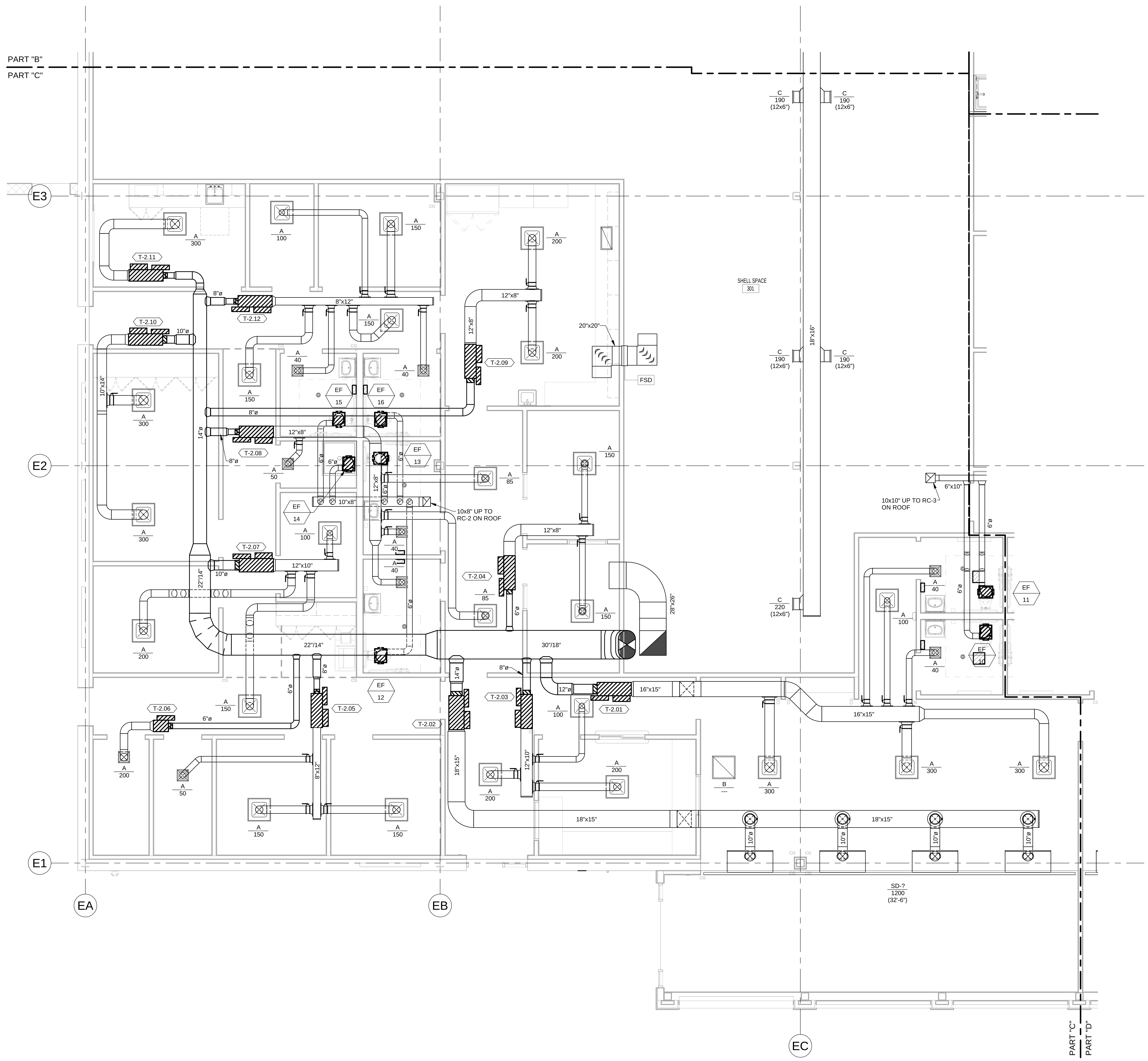
JASON CHRISTOPHER GROSS LICENSED PROFESSIONAL ENGINEER 17087 3/18/2021 STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

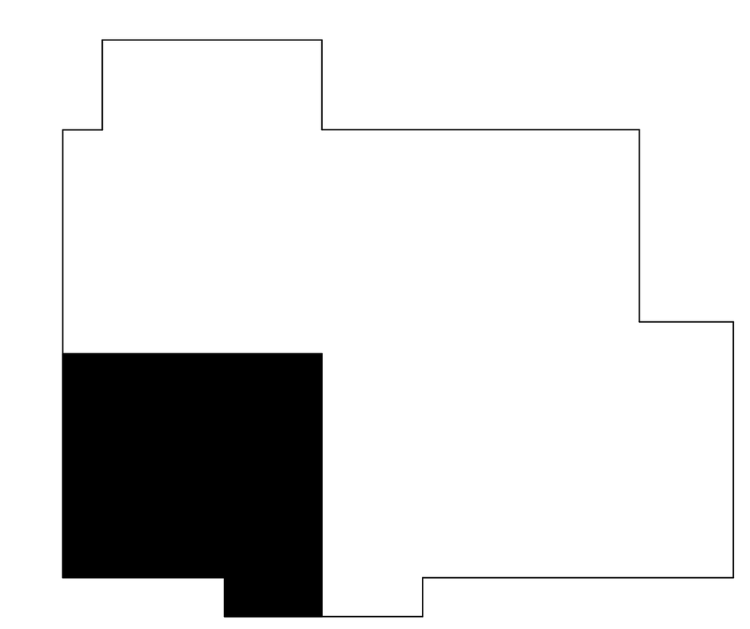
NO.	DATE	DESCRIPTION
2	04/30/2021	ADDENDUM #3

SHEET TITLE
FIRST FLOOR HVAC PLAN - PART "A" - ALT 4

PROJECT NO.:	19-4894B
SHEET ISSUED: 03/18/2021	SHEET NO. M111A
DRAWN BY: GCC	
REVIEWED BY: JCG	



1 M112A **FIRST FLOOR HVAC PLAN - PART "C" - ALT. 4**
1/4" = 1'-0"



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L P K
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- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

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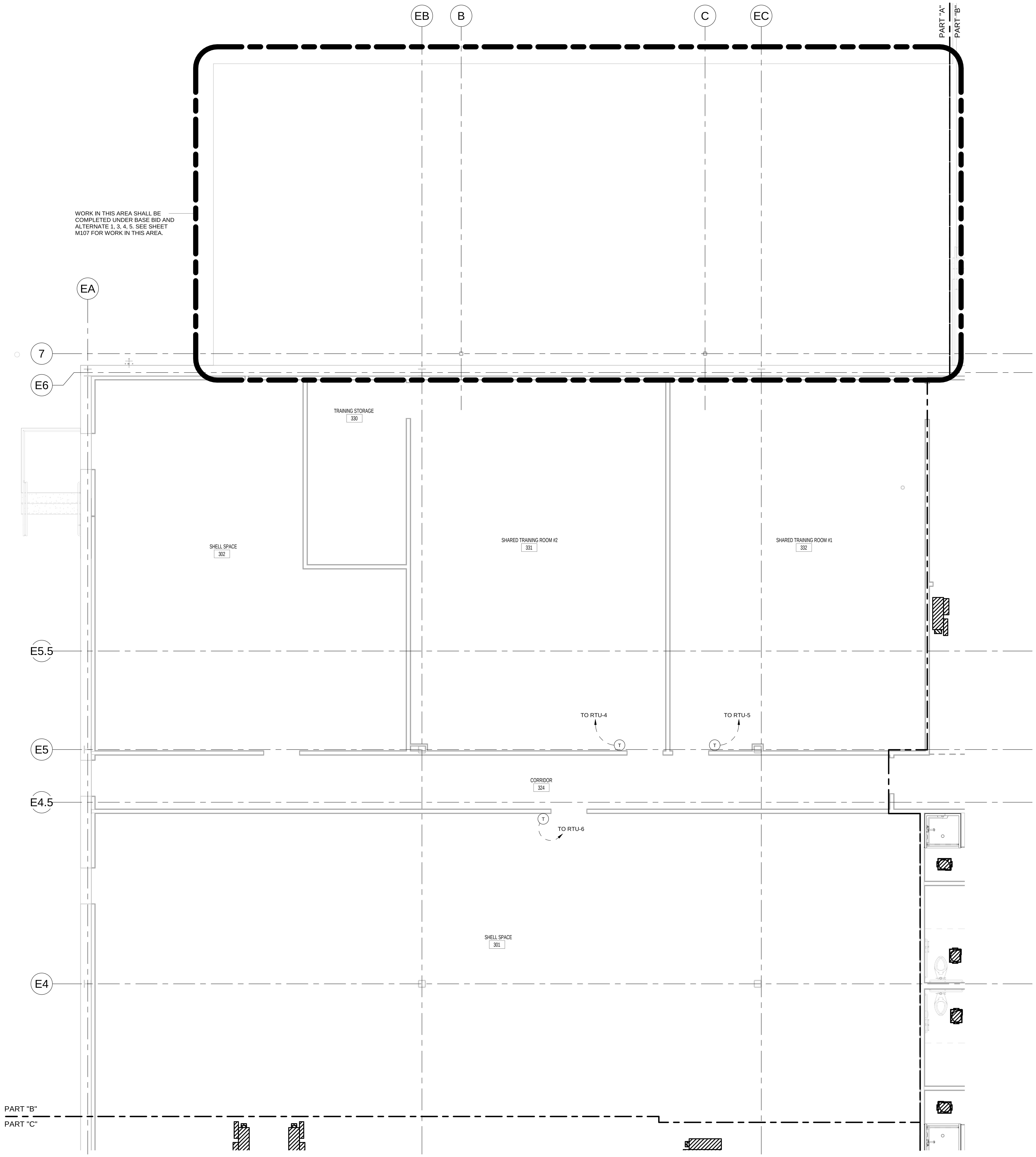
JASON CHRISTOPHER GROSS, LICENSED PROFESSIONAL ENGINEER, 17087, STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
2	04/30/2021	ADDENDUM #3

SHEET TITLE
FIRST FLOOR HVAC PLAN - PART "C" - ALT 4

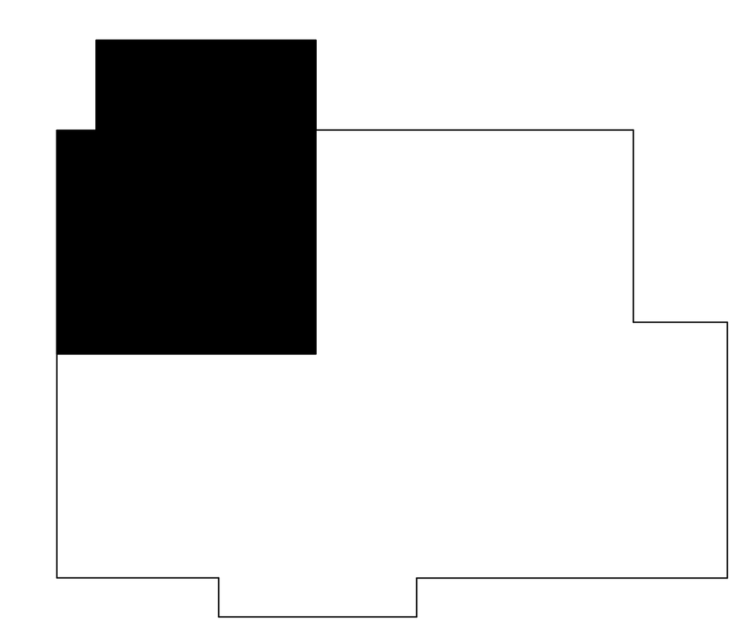
PROJECT NO.:	19-4894B
SHEET ISSUED:	03/18/2021
DRAWN BY:	GCC
REVIEWED BY:	JCG
SHEET NO.	M112A



1
M113A

FIRST FLOOR HVAC THERMOSTAT PLAN - PART "A" - ALT. 4

1/4" = 1'-0"



KEY PLAN

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17087
3/18/2021
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SHEET TITLE

FIRST FLOOR HVAC THERMOSTAT PLAN - PART "A" - ALT 4

20.087

ERG
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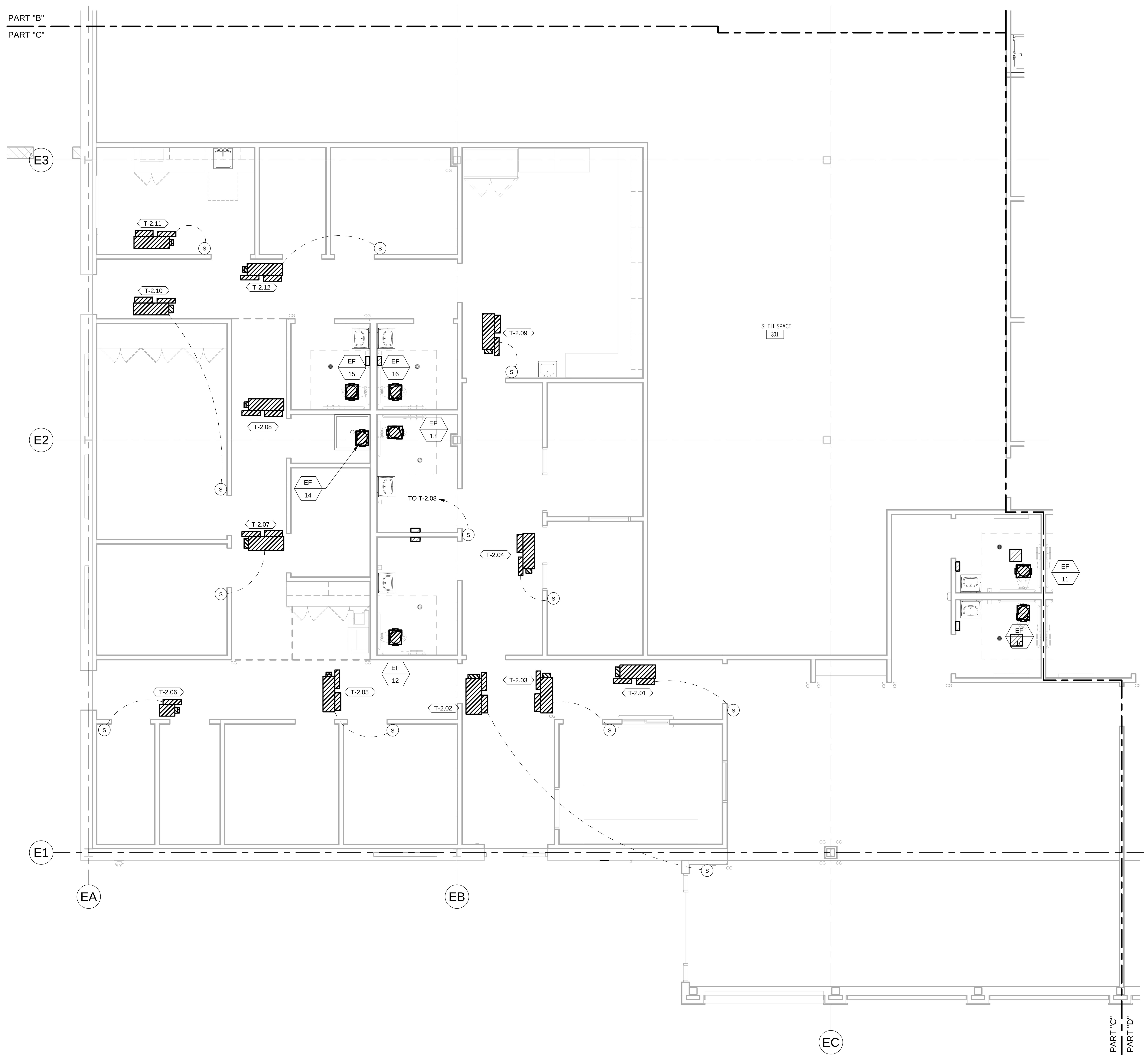
PROJECT NO.: 19-4894B

SHEET ISSUED: 03/18/2021

DRAWN BY: GCC

REVIEWED BY: JCG

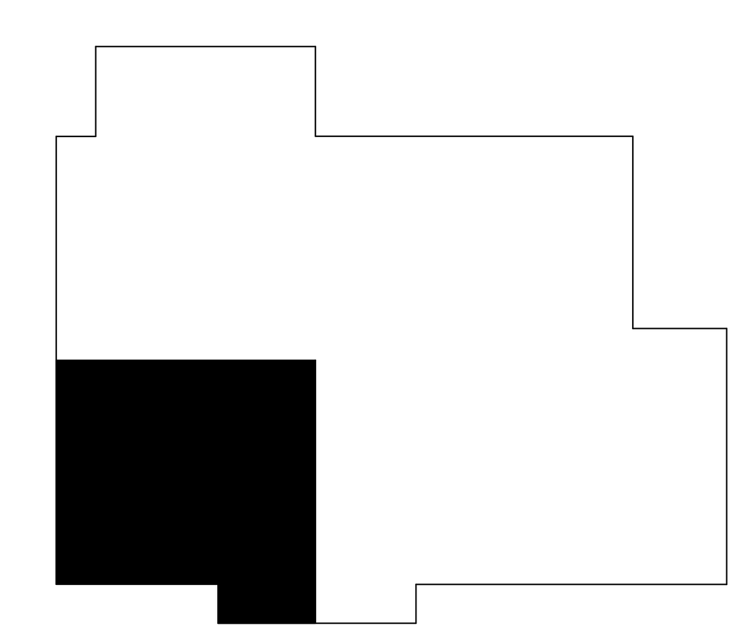
SHEET NO. M113A



1
M114A

FIRST FLOOR HVAC THERMOSTAT PLAN - PART "C" - ALT. 4

1/4" = 1'-0"



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ENGINEER
17087
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2	04/30/2021	ADDENDUM #3

SHEET TITLE:

FIRST FLOOR HVAC THERMOSTAT PLAN - PART "C" - ALT 4

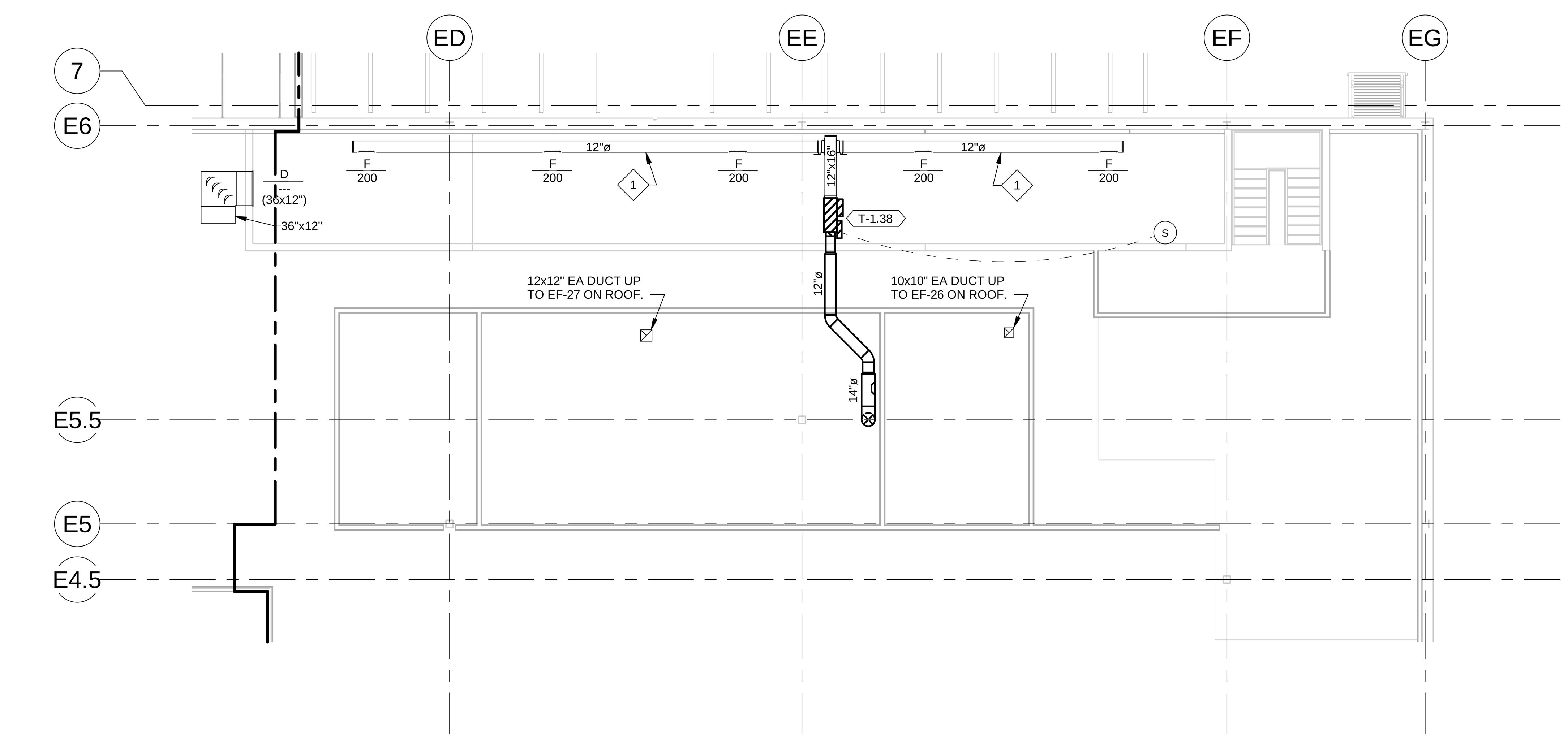
PROJECT NO.:	19-4894B
SHEET ISSUED:	03/18/2021
DRAWN BY:	GCC
REVIEWED BY:	JCG
SHEET NO.	M114A

GENERAL NOTES:

A. CAP OPEN ENDS OF ALL DUCTWORK WITH 1/4" HARD WIRE CLOTH.

PLAN NOTES:

1. ROUND LOW PRESSURE DUCTWORK SHALL BE DOUBLE WALL SPIRAL.



1 M115A **MEZZANINE FLOOR PLAN - HVAC - ALT. 3**

1/8" = 1'-0"

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17087
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SHEET TITLE

MEZZANINE HVAC FLOOR PLAN - ALT 4

20.087

ERG Engineering Resource Group Inc.
350 Edgewood Terrace Drive
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Phone: (601) 362-3552
Fax: (601) 366-6418

PROJECT NO.: 19-4894B

SHEET ISSUED: 03/18/2021

DRAWN BY: Author

REVIEWED BY: Checker

SHEET NO. M115A

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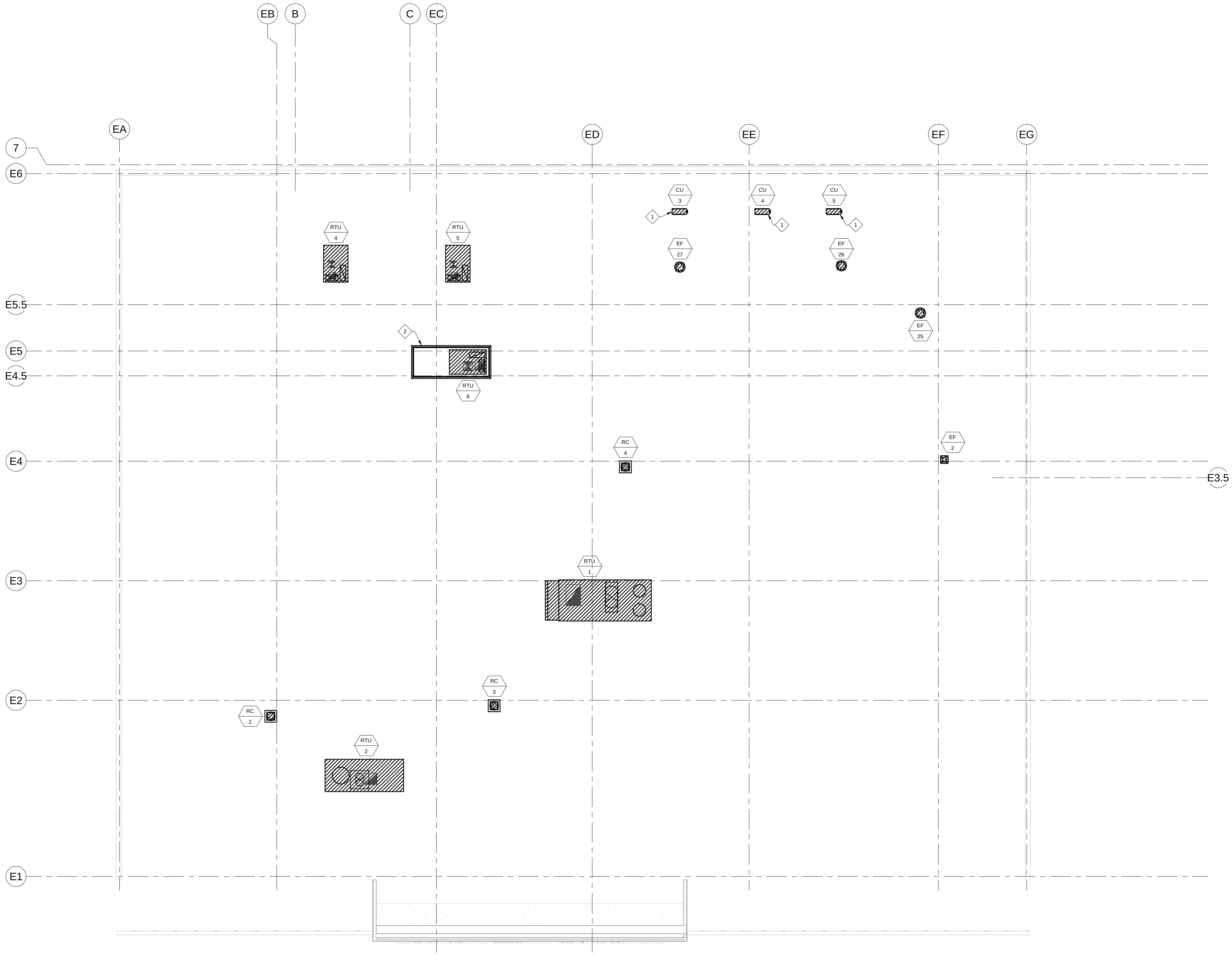

ROOF PLAN - HVAC - ALT. 4

1 M116A 1/8" = 1'-0"

PLAN NOTES:

1. PROVIDE AND INSTALL OUTDOOR UNITS ON THYBAR TEMS-1 EQUIPMENT SUPPORT. COORDINATE EXACT HEIGHT OF SUPPORT WITH ROOF INSULATION THICKNESS IN THIS AREA.
2. PROVIDE AND INSTALL ROOF CURB FOR RTU-3 FOR BASE BID AND ALL ALTERNATES. RTU-6 TO BE INSTALLED ON RTU-3'S ROOF CURB IF ALTERNATE 4 IS TAKEN. PROVIDE AND INSTALL CURB ADAPTER FOR INSTALLATION OF RTU-6 ON RTU-3'S ROOF CURB.

L P K architects

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LICENSED PROFESSIONAL ENGINEER
17087
3/18/2021
STATE OF MISSISSIPPI

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ROOF PLAN - HVAC - ALT 4

20.087

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PROJECT NO.:	19-4894B
SHEET ISSUED:	03/18/2021
DRAWN BY:	GCC
REVIEWED BY:	JCG
SHEET NO.	M116A

ROOFTOP AIR CONDITIONING UNIT SCHEDULE

PHASE INSTALLED						TAG	MANUFACTURER & MODEL NO.(TON)	SERVES	REFR TYPE	SUPPLY FAN					COOLING												HEATING			ELECTRICAL			OPER WT (LBS)	REMARKS
										SUPPLY CFM	OA CFM		ESP (W.G.)	HP	OAT	EDB	LDB	CAPACITY (MBH)		MIN EER	MIN IEER	COMPRESSOR			CONDENSER		EAT	ELECTRIC		VOLT/Ø	MCA	MOCP		
											MIN	MAX				EWB	LWB	TOTAL	SENS			QTY	RLA	LRA	QTY	FLA		KW	STAGES					
BB	A1	A2	A3	A4	A5	RTU 1	JOHNSON CONTROLS JV50C0CK4	SHERIFF'S DEPARTMENT	R-410A	18,000	2,000	2,000	2	15	95.0	77.2 66.6	58.1 56.6	516.9	321.7	10.8	16.0	1@ 2@	32.7 18.6	215.0 142.0	4	3.4 EA	---	---	---	460/3	119.2	150	7000	HAIL GUARDS, HINGED ACCESS PANELS, 14" TALL ROOF CURB, VAV CONTROLLER WITH VFD, ECONOMIZER (DRY BULB) WITH BAROMETRIC RELIEF (LOW-LEAKAGE DAMPER PER ASHRAE 90.1-CURRENT ADDITION), 2" MERV 8 FILTERS, BACNET CARD, POWERED CONVENIENCE OUTLET, DISCONNECT, HEAD PRESSURE CONTROL, FOUR STAGES OF COOLING, FACTORY MOUNTED AIRFLOW MEASURING STATION
BB	A1	A2	A3	A4	A5	RTU 2	JOHNSON CONTROLS AD15C0DK4	DRUG TESTING	R-410A	6,000	600	600	1.5	5.25	95.0	77.0 63.9	56.2 54.7	134.7	124.2	11.0	14.6	1@ 1@	12.0 12.2	94.0 100.0	2	1.0 EA				460/3	43.5	50	2200	HAIL GUARDS, HINGED ACCESS PANELS, 14" TALL ROOF CURB, VAV CONTROLLER WITH VFD, ECONOMIZER (DRY BULB) WITH BAROMETRIC RELIEF (LOW-LEAKAGE DAMPER PER ASHRAE 90.1-CURRENT ADDITION), 2" MERV 8 FILTERS, BACNET CARD, POWERED CONVENIENCE OUTLET, DISCONNECT, HEAD PRESSURE CONTROL, FOUR STAGES OF COOLING, FACTORY MOUNTED AIRFLOW MEASURING STATION
BB	A1	A2	A3	A4	A5	RTU 3	JOHNSON CONTROLS AD25C0DK4	LEMA	R-410A	10,000	1000	1000	2	10	95.0	77.0 66.5	59.0 57.0	205.0	163.8	11	14.2	1@ 2@	19.2 10.6	147.0 75.0	4	1.3 EA	---	---	---	460/3	73.4	90	2600	HAIL GUARDS, HINGED ACCESS PANELS, 14" TALL ROOF CURB (TO BE ORDERED AND INSTALLED FOR BASE BID AND ALL ALTERNATES) , VAV CONTROLLER WITH VFD, ECONOMIZER (DRY BULB) WITH BAROMETRIC RELIEF (LOW-LEAKAGE DAMPER PER ASHRAE 90.1-CURRENT ADDITION), 2" MERV 8 FILTERS, BACNET CARD, POWERED CONVENIENCE OUTLET, DISCONNECT, HEAD PRESSURE CONTROL, FOUR STAGES OF COOLING, FACTORY MOUNTED AIRFLOW MEASURING STATION
				A4		RTU 4	JOHNSON CONTROLS ZR049	TRAINING ROOM 331	R-410A	1,400	200	200	1.5	1.5	95.0	77.9 64.7	53.4 53.1	44.7	33.6	12.1	---						60	15	2	460/3	32	35	1500	HAIL GUARDS, HINGED ACCESS PANELS, 14" TALL ROOF CURB, ECONOMIZER (DRY BULB) WITH BAROMETRIC RELIEF (LOW-LEAKAGE DAMPER PER ASHRAE 90.1-CURRENT ADDITION), 2" MERV 8 FILTERS, BACNET CARD, POWERED CONVENIENCE OUTLET, DISCONNECT, HEAD PRESSURE CONTROL, FOUR STAGES OF COOLING, FACTORY MOUNTED AIRFLOW MEASURING STATION
				A4		RTU 5	JOHNSON CONTROLS ZR049	TRAINING ROOM 331	R-410A	1,400	200	200	1.5	1.5	95.0	77.9 64.7	53.4 53.1	44.7	33.6	12.1	---						60	15	2	460/3	32	35	1500	HAIL GUARDS, HINGED ACCESS PANELS, 14" TALL ROOF CURB, ECONOMIZER (DRY BULB) WITH BAROMETRIC RELIEF (LOW-LEAKAGE DAMPER PER ASHRAE 90.1-CURRENT ADDITION), 2" MERV 8 FILTERS, BACNET CARD, POWERED CONVENIENCE OUTLET, DISCONNECT, HEAD PRESSURE CONTROL, FOUR STAGES OF COOLING, FACTORY MOUNTED AIRFLOW MEASURING STATION
				A4		RTU 6	JOHNSON CONTROLS ZR120	E-911 OFFICE, SERVER 305 & 320	R-410A	3,500	400	400	1.5	3	95.0	77.3 64.1	54.1 52.9	107	79	11.2	12.9						60	36	2	460/3	63.2	70	1500	HAIL GUARDS, HINGED ACCESS PANELS, CURB ADAPTOR (CURB TO BE FULL SIZE OF RTU-3), ECONOMIZER (DRY BULB) WITH BAROMETRIC RELIEF (LOW-LEAKAGE DAMPER PER ASHRAE 90.1-CURRENT ADDITION), 2" MERV 8 FILTERS, BACNET CARD, POWERED CONVENIENCE OUTLET, DISCONNECT, HEAD PRESSURE CONTROL, TWO STAGES OF COOLING, FACTORY MOUNTED AIRFLOW MEASURING STATION

VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE (BASE BID AND ALTERNATE 1-5)

PHASE INSTALLED						TAG	MANUFACTURER AND MODEL NO	INLET SIZE	DESIGN CFM		TOTAL D P	MAX NC	HEATING COIL					VOLT-Ø	REMARKS
									MAX	MIN			CONTROL	CFM	EAT	LAT	KW		
BB	A1	A2	A3	A4	A5	T-1.01	PRICE SDV5	6	200	30	0.04	17	SCR	120	55	90.0	1.3	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.02	PRICE SDV5	6	200	30	0.04	17	SCR	120	55	90.0	1.3	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.03	PRICE SDV5	10	1100	170	0.01	17	SCR	660	55	90.0	7.3	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.04	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.05	PRICE SDV5	10	900	140	0.01	17	SCR	540	55	90.0	6.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.06	PRICE SDV5	10	730	110	0.01	17	SCR	440	55	90.0	4.9	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.07	PRICE SDV5	6	200	30	0.04	17	SCR	120	55	90.0	1.3	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.08	PRICE SDV5	8	450	70	0.01	17	SCR	270	55	90.0	3.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.09	PRICE SDV5	10	650	100	0.01	17	SCR	390	55	90.0	4.3	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.10	PRICE SDV5	8	500	80	0.01	17	SCR	300	55	90.0	3.3	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.11	PRICE SDV5	8	450	450	0.01	17	SCR	450	55	90.0	5.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.12	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.13	PRICE SDV5	10	850	130	0.01	17	SCR	510	55	90.0	5.6	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.14	PRICE SDV5	8	500	80	0.01	17	SCR	300	55	90.0	3.3	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.15	PRICE SDV5	6	250	40	0.06	17	SCR	150	55	90.0	1.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.16	PRICE SDV5	8	550	90	0.01	17	SCR	330	55	90.0	3.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.17	PRICE SDV5	8	400	60	0.01	17	SCR	240	55	90.0	2.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.18	PRICE SDV5	10	600	90	0.01	17	SCR	360	55	90.0	4.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.19	PRICE SDV5	8	450	70	0.01	17	SCR	270	55	90.0	3.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.20	PRICE SDV5	8	450	70	0.01	17	SCR	270	55	90.0	3.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.21	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.22	PRICE SDV5	10	700	110	0.01	17	SCR	420	55	90.0	4.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.23	PRICE SDV5	10	750	750	0.01	17	SCR	750	55	90.0	8.3	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.24	PRICE SDV5	8	550	90	0.01	17	SCR	330	55	90.0	3.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.25	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.26	PRICE SDV5	6	150	30	0.02	17	SCR	90	55	90.0	1.0	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.27	PRICE SDV5	6	150	30	0.02	17	SCR	90	55	90.0	1.0	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.28	PRICE SDV5	8	400	60	0.01	17	SCR	240	55	90.0	2.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.29	PRICE SDV5	8	550	90	0.01	17	SCR	330	55	90.0	3.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.30	PRICE SDV5	8	450	70	0.01	17	SCR	270	55	90.0	3.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.31	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.32	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
						T-1.33											NOT USED		
						T-1.34											NOT USED		
						T-1.35											NOT USED		
BB	A1	A2	A3	A4	A5	T-1.36	PRICE SDV5	6	200	30	0.04	17	SCR	120	55	90.0	1.3	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.37	PRICE SDV5	6	200	30	0.04	17	SCR	120	55	90.0	1.3	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-1.38	PRICE SDV5	10	1000	150	0.01	17	SCR	600	55	90.0	6.6	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2		A4	A5	T-1.39	PRICE SDV5	10	1000	150	0.01	17	SCR	600	55	90.0	6.6	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER

VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE (CONT'D)

PHASE INSTALLED						TAG	MANUFACTURER AND MODEL NO	INLET SIZE	DESIGN CFM		TOTAL D P	MAX NC	HEATING COIL					VOLT-Ø	REMARKS
									MAX	MIN			CONTROL	CFM	EAT	LAT	KW		
BB	A1	A2	A3	A4	A5	T-2.01	PRICE SDV5	10	1080	170	0.01	17	SCR	650	55	90.0	7.2	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.02	PRICE SDV5	12	1200	180	0.01	17	SCR	720	55	90.0	8.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.03	PRICE SDV5	8	500	80	0.01	17	SCR	330	55	90.0	3.3	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.04	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.05	PRICE SDV5	6	350	60	0.11	17	SCR	210	55	90.0	2.3	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.06	PRICE SDV5	6	200	30	0.04	17	SCR	120	55	90.0	1.3	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.07	PRICE SDV5	10	650	170	0.01	17	SCR	390	55	90.0	4.3	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.08	PRICE SDV5	6	300	50	0.10	17	SCR	200	55	90.0	2.2	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.09	PRICE SDV5	8	400	60	0.01	17	SCR	240	55	90.0	2.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.10	PRICE SDV5	8	600	90	0.01	17	SCR	360	55	90.0	4.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.11	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3	A4	A5	T-2.12	PRICE SDV5	6	330	50	0.10	17	SCR	200	55	90.0	2.2	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.01	PRICE SDV5	6	150	30	0.02	17	SCR	90	55	90.0	1.0	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.02	PRICE SDV5	6	150	30	0.02	17	SCR	90	55	90.0	1.0	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.03	PRICE SDV5	14	1250	190	0.01	17	SCR	750	55	90.0	8.2	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.04	PRICE SDV5	14	1350	210	0.01	17	SCR	810	55	90.0	9.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.05	PRICE SDV5	12	1200	180	0.01	17	SCR	720	55	90.0	8.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.06	PRICE SDV5	6	350	60	0.11	17	SCR	210	55	90.0	2.3	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.07	PRICE SDV5	6	200	30	0.04	17	SCR	120	55	90.0	1.3	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.08	PRICE SDV5	6	350	60	0.11	17	SCR	210	55	90.0	2.3	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.09	PRICE SDV5	6	150	30	0.02	17	SCR	90	55	90.0	1.0	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.10	PRICE SDV5	6	250	40	0.06	17	SCR	150	55	90.0	1.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.11	PRICE SDV5	6	150	30	0.02	17	SCR	90	55	90.0	1.0	277-1	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.12	PRICE SDV5	10	700	110	0.01	17	SCR	420	55	90.0	4.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.13	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.14	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.15	PRICE SDV5	10	1000	150	0.01	17	SCR	600	55	90.0	6.6	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.16	PRICE SDV5	8	400	60	0.01	17	SCR	240	55	90.0	2.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.17	PRICE SDV5	10	1000	150	0.01	17	SCR	600	55	90.0	6.6	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.18	PRICE SDV5	10	690	110	0.01	17	SCR	420	55	90.0	4.7	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER
BB	A1	A2	A3		A5	T-3.19	PRICE SDV5	6	300	50	0.08	17	SCR	180	55	90.0	2.0	480-3	SINGLE DUCT WITH ELECTRIC HEATING COIL, DISCONNET, FLOW RING, 24 VAC CONTROL TRANSFORMER, SCR CONTROLLER

AIR DISTRIBUTION DEVICE SCHEDULE

TAG	TYPE	MANUFACTURER & MODEL NO.	NECK SIZE	FACE SIZE	REMARKS
A	CEILING MOUNTED SUPPLY AIR DEVICE	PRICE SPD	SEE PLANS/ SCHEDULE BELOW	SEE PLANS/ SCHEDULE BELOW	24"x24" OR 12"x12" FACE SIZE AS INDICATED ON PLANS. PROVIDE ALL SURFACE MOUNTED GRILLES WITH PLASTER FRAME MOUNT (TITUS TRM). NECK SIZE TO BE AS INDICATED ON PLANS OR CONNECTION SCHEDULE BELOW.
B	CEILING MOUNTED RETURN AIR DEVICE	PRICE 80	SEE PLANS/ SCHEDULE BELOW	SEE PLANS/ SCHEDULE BELOW	24"x24" OR 24"x12" FACE SIZE AS INDICATED ON PLANS. PROVIDE ALL SURFACE MOUNTED GRILLES WITH SCREW HOLES. NECK SIZE TO BE AS INDICATED ON PLANS OR CONNECTION SCHEDULE BELOW.
C	SIDEWALL MOUNTED SUPPLY AIR DEVICE	PRICE 520	SEE PLANS/ SCHEDULE BELOW	SEE PLANS/ SCHEDULE BELOW	FACE SIZE TO BE NECK SIZE PLUS 2". PROVIDE WITH TYPE "A" EXTERNAL SCREW. NECK SIZE TO BE AS INDICATED ON PLANS OR CONNECTION SCHEDULE BELOW. PROVIDE WITH OPPOSED BLADE VOLUME DAMPER.
D	SIDEWALL MOUNTED RETURN AIR DEVICE	PRICE 530	SEE PLANS/ SCHEDULE BELOW	SEE PLANS/ SCHEDULE BELOW	FACE SIZE TO BE NECK SIZE PLUS 2". PROVIDE WITH TYPE "A" EXTERNAL SCREW. NECK SIZE TO BE AS INDICATED ON PLANS OR CONNECTION SCHEDULE BELOW. PROVIDE WITH OPPOSED BLADE VOLUME DAMPER.
E	CEILING MOUNTED EXHAUST AIR DEVICE	PRICE 80	SEE PLANS/ SCHEDULE BELOW	SEE PLANS/ SCHEDULE BELOW	FACE SIZE TO BE NECK SIZE PLUS 2". PROVIDE SURFACE MOUNT WITH TYPE "A" EXTERNAL SCREW. NECK SIZE TO BE AS INDICATED ON PLANS OR CONNECTION SCHEDULE BELOW.
F	DUCT MOUNTED SUPPLY AIR DEVICE	PRICE SDGE	16x6	18x8	PROVIDE WITH TYPE "A" EXTERNAL SCREW. PROVIDE WITH OPPOSED BLADE VOLUME DAMPER.
G	CEILING MOUNTED SUPPLY AIR DEVICE	PRICE MSRRCD	12x12	14x14	
H	CEILING MOUNTED EXHAUST AIR DEVICE	PRICE MSRRG	14x14	16x16	

NOTES:

1. CEILING DIFFUSERS ARE 4-WAY UNLESS OTHERWISE NOTED BY SHADING ON PLANS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE AND CONSTRUCTION DETAILS.
3. AIR DEVICE FRAME AND STYLE SHALL MATCH CEILING TYPE. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
4. REFER TO ARCHITECT FOR FINISHES AND COLOR OF DEVICES.
5. FACE SIZE TO BE NECK SIZE PLUS 2".

AIR DEVICE CONNECTION SCHEDULE

AIR QUANTITY (CFM)	CEILING MOUNTED NECK SIZE	SIDEWALL MOUNTED NECK SIZE	BRANCH DUCT SIZE	
			ROUND	ALTERNATE RECTANGULAR DUCT
0-100	6"Ø	8x4"	6"Ø	8x4"
101-200	8"Ø	10x6"	8"Ø	10x6"
201-350	10"Ø	12x8"	10"Ø	12x8"
351-600	12"Ø	14x10"	12"Ø	14x10"
601-850	14"Ø	16x12"	14"Ø	16x12"
851-1200	16"Ø	18x16"	16"Ø	18x16"

DUCTLESS SPLIT-SYSTEM HEAT PUMP - INDOOR UNIT SCHEDULE

PHASE INSTALLED						TAG	MANUFACTURER & MODEL NO	TYPE	COOLING (MBH)	HEATING (MBH)	ELECTRICAL			OPER WT (LBS)	REMARKS
											VOLT/PH	MCA	MOCP		
BB	A1	A2	A3		A5	DSS 1	LG ARNU363V2A4	CEILING SUSPENDED	36.2	40.6	208-230/1	1.21	15	150	WALL MOUNTED REMOTE CONTROLLER (LG MS8650), INDOOR UNIT REQUIRES SEPARATE POWER CONNECTION
BB	A1	A2	A3		A5	DSS 2	LG ARNU363V2A4	CEILING SUSPENDED	36.2	40.6	208-230/1	1.21	15	150	WALL MOUNTED REMOTE CONTROLLER (LG MS8650), INDOOR UNIT REQUIRES SEPARATE POWER CONNECTION
BB	A1	A2	A3	A4	A5	DSS 3	LG LAN240HYV3	CEILING SUSPENDED	22.0	26.0	208-230/1	---	---	40	WALL MOUNTED REMOTE CONTROLLER (LG MS8650), INDOOR UNIT POWERED FROM OUTDOOR UNIT
BB	A1	A2	A3	A4	A5	DSS 4	LG LAN240HYV3	CEILING SUSPENDED	22.0	26.0	208-230/1	---	---	40	WALL MOUNTED REMOTE CONTROLLER (LG MS8650), INDOOR UNIT POWERED FROM OUTDOOR UNIT
BB	A1	A2	A3	A4	A5	DSS 5	LG LAN240HYV3	CEILING SUSPENDED	22.0	26.0	208-230/1	---	---	40	WALL MOUNTED REMOTE CONTROLLER (LG MS8650), INDOOR UNIT POWERED FROM OUTDOOR UNIT

DUCTLESS SPLIT-SYSTEM HEAT PUMP - OUTDOOR UNIT SCHEDULE

PHASE INSTALLED						TAG	MANUFACTURER & MODEL NO	NOM TONS	REFR TYPE	OAT	CAPACITY (MBH)		ELECTRICAL			SEER	HSPF	OPER WT (LBS)	REMARKS
										COOL HEAT	COOLING	HEATING	MCA	MOCP	VOLT/PH				
BB	A1	A2	A3		A5	CU 1	LG ARUN038GSS4	3.0	410A	95.0 47.0	38.0	42.0	25	40	208-230/1	17.0	9.0	250	INVERTER COMPRESSOR, LOW AMBIENT KIT TO ALLOW COOLING DOWN TO 0 DEG F
BB	A1	A2	A3		A5	CU 2	LG ARUN038GSS4	3.0	410A	95.0 47.0	38.0	42.0	25	40	208-230/1	17.0	9.0	250	INVERTER COMPRESSOR, LOW AMBIENT KIT TO ALLOW COOLING DOWN TO 0 DEG F
BB	A1	A2	A3	A4	A5	CU 3	LG LAU240HYV3	2.0	410A	95.0 47.0	22.0	26.0	19	30	208-230/1	22.5	12.5	150	INVERTER COMPRESSOR, LOW AMBIENT KIT TO ALLOW COOLING DOWN TO 0 DEG F
BB	A1	A2	A3	A4	A5	CU 4	LG LAU240HYV3	2.0	410A	95.0 47.0	22.0	26.0	19	30	208-230/1	22.5	12.5	150	INVERTER COMPRESSOR, LOW AMBIENT KIT TO ALLOW COOLING DOWN TO 0 DEG F
BB	A1	A2	A3	A4	A5	CU 5	LG LAU240HYV3	2.0	410A	95.0 47.0	22.0	26.0	19	30	208-230/1	22.5	12.5	150	INVERTER COMPRESSOR, LOW AMBIENT KIT TO ALLOW COOLING DOWN TO 0 DEG F

KITCHEN EQUIPMENT HOOD SCHEDULE

PHASE INSTALLED						TAG	MANUFACTURER & MODEL NO.	CONFIGURATION & POSITION	TOTAL NO. OF SECTIONS	DIMENSIONS (OVERALL)			GREASE CUP POSITION	UL TEMP RATING (°F)	TOTAL EXHAUST (CFM)	REMARKS
										LENGTH	WIDTH	HEIGHT				
BB	A1	A2	A3		A5	KH 1	DENLAR D1030-D-RF_(NFPA101)	TOP EXHAUSTED	1	30"	19"	10.5"	LEFT	NA	500	MANUAL PULL STATION KIT, ADA ACCESSIBLE CONTROL BOX, CLOCK BOX W/KEY-LOCK, 60W SHATTER PROOF BULB, AUTO DISCONNECT RANGE ELEMENT KIT
BB	A1	A2	A3		A5	KH 2	DENLAR D1030-D-RF_(NFPA101)	TOP EXHAUSTED	1	30"	19"	10.5"	LEFT	NA	500	MANUAL PULL STATION KIT, ADA ACCESSIBLE CONTROL BOX, CLOCK BOX W/KEY-LOCK, 60W SHATTER PROOF BULB, AUTO DISCONNECT RANGE ELEMENT KIT

2

20.087

Engineering Resource Group Inc.
350 Edgewood Terrace Drive
Jackson, MS 39206
Phone: (601) 362-3552
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LPK
architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect

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PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES
CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
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- ☐ AS-BUILT RECORD SET

SEAL

JASON CHRISTOPHER GROSSI
17087
3/18/2021

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE
HVAC SCHEDULES

PROJECT NO.: 19-4894B
SHEET ISSUED: 03/18/2021
DRAWN BY: GCC
REVIEWED BY: JCG
SHEET NO.
M601

POWER VENTILATOR SCHEDULE

PHASE INSTALLED						TAG	MANUFACTURER AND MODEL NO.	TYPE	CFM	ESP	RPM	SOUND (dBA/SONES)	ELECTRICAL			ON/OFF	INTERLOCK	REMARKS
													BHP	HP	V/Ø			
BB	A1	A2	A3	A4	A5	EF 1	GREENHECK SP-A390-VG	CEILING MOUNTED	150	0.375	1080	3.4	--	23W	115/1	WALL SWITCH	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 2	GREENHECK G-090-VG	ROOF MOUNTED	550	0.375	1543	0.5	--	6.1W	115/1	BMS	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, GALVANIZED BIRD SCREEN, COMPOSITE WHEEL MATERIAL, ROOF CURB, 24 HOURS / SEVEN DAYS A WEEK NORMAL OPERATION
BB	A1	A2	A3	A4	A5	EF 3	GREENHECK SP-110-VG	CEILING MOUNTED	100	0.375	936	2.5	--	8W	115/1	WALL SWITCH	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 4	GREENHECK SP-A390-VG	CEILING MOUNTED	150	0.375	1080	3.4	--	23W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 5	GREENHECK SP-A390-VG	CEILING MOUNTED	150	0.375	1080	3.4	--	23W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 6	GREENHECK SP-A390-VG	CEILING MOUNTED	150	0.375	1080	3.4	--	23W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 7	GREENHECK SP-A390-VG	CEILING MOUNTED	150	0.375	1080	3.4	--	23W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 8	GREENHECK SP-80-VG	CEILING MOUNTED	50	0.375	786	1.4	--	6W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT
BB	A1	A2	A3	A4	A5	EF 9	GREENHECK SP-80-VG	CEILING MOUNTED	50	0.375	786	1.4	--	6W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT
BB	A1	A2	A3	A4	A5	EF 10	GREENHECK SP-80-VG	CEILING MOUNTED	50	0.375	786	1.4	--	6W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT
BB	A1	A2	A3	A4	A5	EF 11	GREENHECK SP-80-VG	CEILING MOUNTED	50	0.375	786	1.4	--	6W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT
BB	A1	A2	A3	A4	A5	EF 12	GREENHECK SP-80-VG	CEILING MOUNTED	50	0.375	786	1.4	--	6W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT
BB	A1	A2	A3	A4	A5	EF 13	GREENHECK SP-80-VG	CEILING MOUNTED	50	0.375	786	1.4	--	6W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT
BB	A1	A2	A3	A4	A5	EF 14	GREENHECK SP-110-VG	CEILING MOUNTED	100	0.375	936	2.5	--	8W	115/1	WALL SWITCH	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 15	GREENHECK SP-80-VG	CEILING MOUNTED	50	0.375	786	1.4	--	6W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT
BB	A1	A2	A3	A4	A5	EF 16	GREENHECK SP-80-VG	CEILING MOUNTED	50	0.375	786	1.4	--	6W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT
BB	A1	A2	A3		A5	EF 17	GREENHECK SP-80-VG	CEILING MOUNTED	50	0.375	786	1.4	--	6W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT
BB	A1	A2	A3		A5	EF 18	GREENHECK SP-110-VG	CEILING MOUNTED	100	0.375	936	2.5	--	8W	115/1	WALL SWITCH	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3		A5	EF 19	GREENHECK SP-A390-VG	CEILING MOUNTED	150	0.375	1080	3.4	--	23W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3		A5	EF 20	GREENHECK SP-A390-VG	CEILING MOUNTED	150	0.375	1080	3.4	--	23W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 21	GREENHECK G-180-VG	ROOF MOUNTED	2000	0.25	634	6.9	---	0.75	115/1	TSTAT/ GD-1	MD-1	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, GALVANIZED BIRD SCREEN, COMPOSITE WHEEL MATERIAL, ROOF CURB
BB	A1		A3	A4	A5	EF 22	GREENHECK G-140-VG	ROOF MOUNTED	1300	0.25	860	6.9	---	0.25	115/1	TSTAT/ GD-2	MD-2	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, GALVANIZED BIRD SCREEN, COMPOSITE WHEEL MATERIAL, ROOF CURB
BB	A1		A3	A4	A5	EF 23	GREENHECK G-095-VG	ROOF MOUNTED	400	0.35	1200	5.6	---	0.05	115/1	TSTAT	MD-3	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, GALVANIZED BIRD SCREEN, COMPOSITE WHEEL MATERIAL, ROOF CURB
BB	A1		A3	A4	A5	EF 24	GREENHECK G-099-VG	ROOF MOUNTED	500	0.35	1042	6.0	---	0.06	115/1	TSTAT	MD-4	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, GALVANIZED BIRD SCREEN, COMPOSITE WHEEL MATERIAL, ROOF CURB
BB	A1	A2	A3	A4	A5	EF 25	GREENHECK G-095-VG	ROOF MOUNTED	400	0.35	1200	5.6	---	0.05	115/1	TSTAT	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, GALVANIZED BIRD SCREEN, COMPOSITE WHEEL MATERIAL, ROOF CURB
BB	A1	A2	A3	A4	A5	EF 26	GREENHECK G-095-VG	ROOF MOUNTED	400	0.35	1200	5.6	---	0.05	115/1	TSTAT	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, GALVANIZED BIRD SCREEN, COMPOSITE WHEEL MATERIAL, ROOF CURB
BB	A1	A2	A3	A4	A5	EF 27	GREENHECK G-123-VG	ROOF MOUNTED	1000	0.35	1072	7.3	0.12	1/4	115/1	TSTAT	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, GALVANIZED BIRD SCREEN, COMPOSITE WHEEL MATERIAL, ROOF CURB
BB	A1	A2	A3	A4	A5	EF 28	GREENHECK SP-110-VG	CEILING MOUNTED	100	0.375	936	2.5	--	8W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 29	GREENHECK SP-110-VG	CEILING MOUNTED	100	0.375	936	2.5	--	8W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 30	GREENHECK SP-110-VG	CEILING MOUNTED	100	0.375	936	2.5	--	8W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 31	GREENHECK SP-110-VG	CEILING MOUNTED	100	0.375	936	2.5	--	8W	115/1	MOTION DETECTOR	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 32	GREENHECK SP-A510-VG	CEILING MOUNTED	400	0.25	1035	5.0	--	71W	115/1	TSTAT	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3	A4	A5	EF 33	GREENHECK SP-A390-VG	CEILING MOUNTED	200	0.25	971	2.0	--	24W	115/1	TSTAT	NONE	PRE-WIRED DISCONNECT, ECM MOTOR W/DIAL, BACKDRAFT DAMPER, ISOLATOR KIT, WHITE ALUMINUM GRILLE
BB	A1	A2	A3		A5	KEF 1	DENLAR D1030-D-RF	ROOF MOUNTED	500	0.84	---	73 (DBA)	---	4 (AMPS)	115/1	WALL SWITCH	KITCHEN HOOD	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, GALVANIZED BIRD SCREEN, ROOF CURB
BB	A1	A2	A3		A5	KEF 2	DENLAR D1030-D-RF	ROOF MOUNTED	500	0.84	---	73 (DBA)	---	4 (AMPS)	115/1	WALL SWITCH	KITCHEN HOOD	PRE-WIRED DISCONNECT, ECM MOTOR W/ DIAL, GALVANIZED BIRD SCREEN, ROOF CURB

MOTORIZED DAMPER SCHEDULE

PHASE INSTALLED						TAG	DAMPER MODEL	ACTUATOR		INTERLOCK	POWER WIRING	CONTROLS & INTERLOCK WIRING	REMARKS
								MODEL	VOLTAGE/PHASE				
BB	A1	A2	A3	A4	A5	MD 1	GREENHECK VCD-43	BELIMO	120/1	EF-21	DIVISION 26	DIVISION 23 BAS	TAMPERPROOF SUPERVISORY SWITCHES TO MONITOR VALVE STATUS. VERIFY/COORDINATE DEDICATED POWER OR SYSTEM POWER REQUIREMENTS. INTERLOCK WITH THERMOSTAT, EF-21 AND GAS DETECTOR SYSTEM. PROVIDE WITH STANDOFF BRACKET.
BB	A1		A3	A4	A5	MD 2	GREENHECK VCD-43	BELIMO	120/1	EF-22	DIVISION 26	DIVISION 23 BAS	TAMPERPROOF SUPERVISORY SWITCHES TO MONITOR VALVE STATUS. VERIFY/COORDINATE DEDICATED POWER OR SYSTEM POWER REQUIREMENTS. INTERLOCK WITH THERMOSTAT, EF-22 AND GAS DETECTOR SYSTEM. PROVIDE WITH STANDOFF BRACKET.
BB	A1		A3	A4	A5	MD 3	GREENHECK VCD-43	BELIMO	120/1	EF-24	DIVISION 26	DIVISION 23 BAS	TAMPERPROOF SUPERVISORY SWITCHES TO MONITOR VALVE STATUS. VERIFY/COORDINATE DEDICATED POWER OR SYSTEM POWER REQUIREMENTS. INTERLOCK WITH THERMOSTAT, EF-21 AND GAS DETECTOR SYSTEM. PROVIDE WITH STANDOFF BRACKET.
BB	A1		A3	A4	A5	MD 4	GREENHECK VCD-43	BELIMO	120/1	EF-24	DIVISION 26	DIVISION 23 BAS	TAMPERPROOF SUPERVISORY SWITCHES TO MONITOR VALVE STATUS. VERIFY/COORDINATE DEDICATED POWER OR SYSTEM POWER REQUIREMENTS. INTERLOCK WITH THERMOSTAT, EF-22 AND GAS DETECTOR SYSTEM. PROVIDE WITH STANDOFF BRACKET.

GAS DETECTOR

PHASE INSTALLED						TAG	MANUFACTURER	MONITORING		POWER V/PH	INTERLOCK	REMARKS
								TYPE	GAS			
BB	A1	A2	A3	A4	A5	GD 1	HONEYWELL E3POINT	DUAL	CO/NO2	120/1	EF-21/MD-1	MOUNT CO SENSOR 5'0" ABOVE FINISHED FLOOR AND NO2 SENSOR 2'0" BELOW ROOF STRUCTURE ABOVE. PROVIDE WITH 2 DPDT RELAYS. UNIT TO BE STAND ALONE WITH AUDIBLE AND VISUAL ALARMS. INSTALL UNIT AND ALL GAS DETECTORS PER MANUFACTURER'S RECOMMENDATIONS.
BB	A1		A3	A4	A5	GD 2	HONEYWELL E3POINT	DUAL	CO/NO2	120/1	EF-22/MD-2	MOUNT CO SENSOR 5'0" ABOVE FINISHED FLOOR AND NO2 SENSOR 2'0" BELOW ROOF STRUCTURE ABOVE. PROVIDE WITH 2 DPDT RELAYS. UNIT TO BE STAND ALONE WITH AUDIBLE AND VISUAL ALARMS. INSTALL UNIT AND ALL GAS DETECTORS PER MANUFACTURER'S RECOMMENDATIONS.

ELECTRIC UNIT HEATER SCHEDULE

PHASE INSTALLED						TAG	MANUFACTURER AND MODEL NO.	SERVES	TYPE	ELECTRICAL KW - V - Ø	CAPACITY CFM	REMARKS
BB	A1		A3	A4	A5	EUH 1	MARKEL P3P5105CA1N	VFD/LEMA STORAGE 335	51000 SERIES FAN FORCED WALL HEATER	5- 480 - 3	400	MOUNT 9'FT HIGH WITH WALL MOUNTING BRACKET, IN-BUILT THERMOSTAT AND INTEGRAL DISCONNECT
BB	A1		A3	A4	A5	EUH 2	MARKEL P3P5105CA1N	PSB GARAGE 276	51000 SERIES FAN FORCED WALL HEATER	5- 480 - 3	400	MOUNT 9'FT HIGH WITH WALL MOUNTING BRACKET, IN-BUILT THERMOSTAT AND INTEGRAL DISCONNECT
BB	A1		A3	A4	A5	EUH 3	MARKEL P3P5105CA1N	PSB GARAGE 276	51000 SERIES FAN FORCED WALL HEATER	5- 480 - 3	400	MOUNT 9'FT HIGH WITH WALL MOUNTING BRACKET, IN-BUILT THERMOSTAT AND INTEGRAL DISCONNECT
BB	A1	A2	A3	A4	A5	EUH 4	MARKEL P3P5105CA1N	SALLYPORT 275	51000 SERIES FAN FORCED WALL HEATER	5- 480 - 3	400	MOUNT 9'FT HIGH WITH WALL MOUNTING BRACKET, IN-BUILT THERMOSTAT AND INTEGRAL DISCONNECT
BB	A1	A2	A3	A4	A5	EUH 5	MARKEL P3P5105CA1N	SALLYPORT 275	51000 SERIES FAN FORCED WALL HEATER	5- 480 - 3	400	MOUNT 9'FT HIGH WITH WALL MOUNTING BRACKET, IN-BUILT THERMOSTAT AND INTEGRAL DISCONNECT
BB	A1	A2	A3	A4	A5	EUH 6	MARKEL P3P5105CA1N	SALLYPORT 275	51000 SERIES FAN FORCED WALL HEATER	5- 480 - 3	400	MOUNT 9'FT HIGH WITH WALL MOUNTING BRACKET, IN-BUILT THERMOSTAT AND INTEGRAL DISCONNECT

WALL LOUVER SCHEDULE

PHASE INSTALLED						TAG	MANUFACTURER & MODEL NO.	FUNCTION	CFM	MIN NET FREE AREA (SQFT)	OVERALL SIZE (L X H)	DEPTH	MAX PD (IN.W.G.)	REMARKS
BB	A1	A2	A3	A4	A5	LV 1	GREENHECK EHH-601	EXHAUST AIR EF-3,4 & 5	400	0.56	14x17	6	0.1	FLUOROPOLYMER FINISH IN COLOR SELECTED BY ARCHITECT, ALUMINUM BIRDSCREEN

ROOF EXHAUST/INTAKE CAP SCHEDULE

PHASE INSTALLED						TAG	MANUFACTURER AND MODEL NO.	FUNCTION	CAPACITY, CFM	PRESS. DROP, IN W.C.	THROAT VELOCITY, FPM	THROAT SIZE, INCHES	REMARKS
BB	A1	A2	A3		A5	RC 1	GREENHECK GRSR-12	EXHAUST AIR	360	0.03	439	12.25	PROVIDE ROOF CURB TO MATCH ROOF SLOPE, BACKDRAFT DAMPER, ALUMINUM BIRDSCREEN
BB	A1	A2	A3	A4	A5	RC 2	GREENHECK GRSR-10	EXHAUST AIR	250	0.03	439	10.25	PROVIDE ROOF CURB TO MATCH ROOF SLOPE, BACKDRAFT DAMPER, ALUMINUM BIRDSCREEN
BB	A1	A2	A3	A4	A5	RC 3	GREENHECK GRSR-10	EXHAUST AIR	250	0.03	439	10.25	PROVIDE ROOF CURB TO MATCH ROOF SLOPE, BACKDRAFT DAMPER, ALUMINUM BIRDSCREEN
BB	A1	A2	A3	A4	A5	RC 4	GREENHECK GRSR-12	EXHAUST AIR	700	0.09	854	12.25	PROVIDE ROOF CURB TO MATCH ROOF SLOPE, BACKDRAFT DAMPER, ALUMINUM BIRDSCREEN
BB	A1	A2	A3	A4	A5	RC 5	GREENHECK FGR-22x22	INTAKE AIR	2000	0.05	595	22x22	PROVIDE ROOF CURB TO MATCH ROOF SLOPE, BACKDRAFT DAMPER, ALUMINUM BIRDSCREEN
BB	A1		A3	A4	A5	RC 6	GREENHECK FGR-18x18	INTAKE AIR	1300	0.05	578	18x18	PROVIDE ROOF CURB TO MATCH ROOF SLOPE, BACKDRAFT DAMPER, ALUMINUM BIRDSCREEN
BB	A1		A3	A4	A5	RC 7	GREENHECK GRSR-12	EXHAUST AIR	500	0.06	671	12.25	PROVIDE ROOF CURB TO MATCH ROOF SLOPE, BACKDRAFT DAMPER, ALUMINUM BIRDSCREEN

2

LPK architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect

821 22ND AVENUE P.O. BOX 630
MERIDIAN, MISSISSIPPI 39302
P: 601.693.9990
F: 601.693.8640

PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL

JASON CHRISTOPHER GROSSI
LICENSED PROFESSIONAL ENGINEER
17087
3/18/2021
STATE OF MISSISSIPPI

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE

HVAC SCHEDULES

20.087

Engineering Resource Group Inc.
350 Edgewood Terrace Drive
Jackson, MS 39206
Phone: (601) 362-3552
Fax: (601) 366-6418

PROJECT NO.: 19-4894B

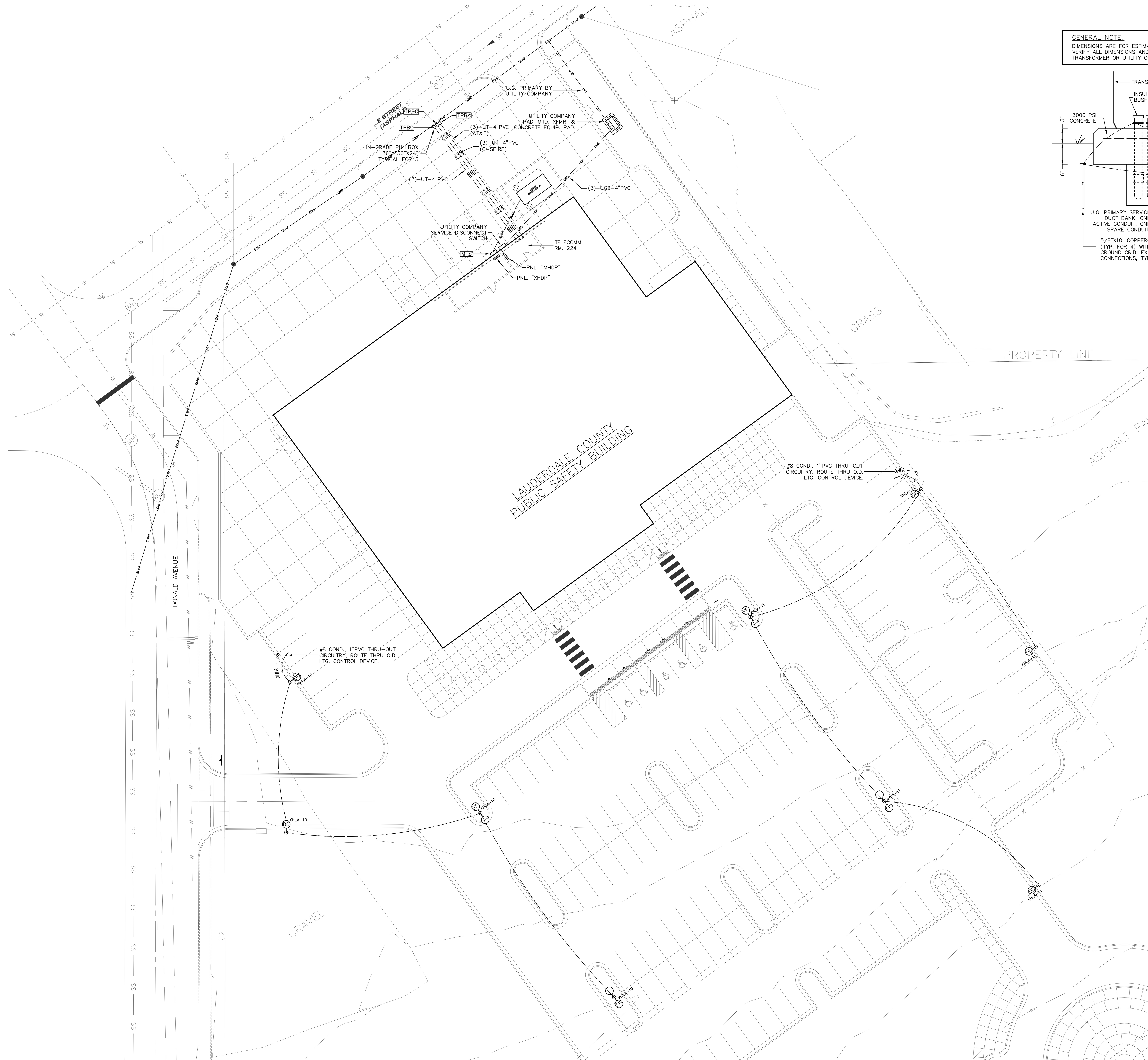
SHEET ISSUED: 03/18/2021

DRAWN BY: GCC

REVIEWED BY: JCG

SHEET NO. M602

BIM 360://Lauderdale County Government Complex/20.087 - HVAC Model_R20.rvt
4/30/2021 5:03:04 PM



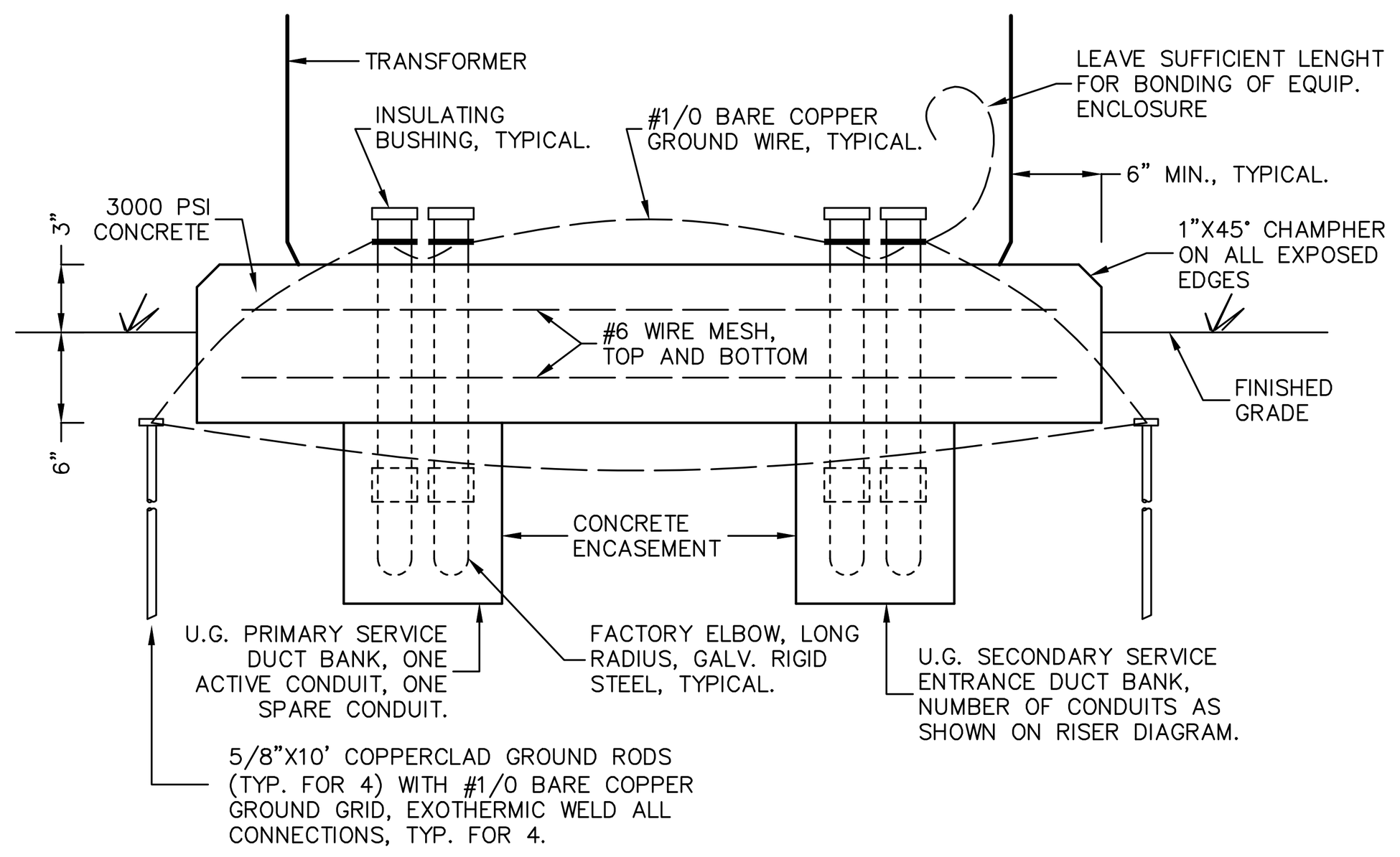
ALTERNATE BID #4 - LIGHTING/POWER/COMM. SYSTEMS

ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"

NORTH

GENERAL NOTE:
DIMENSIONS ARE FOR ESTIMATING PURPOSES ONLY. VERIFY ALL DIMENSIONS AND INSTALL TO SATISFY TRANSFORMER OR UTILITY COMPANY REQUIREMENTS.



PAD-MOUNTED TRANSFORMER

TYPICAL PAD DETAIL

NO SCALE

Schultz & Wynne
Consulting Electrical Engineers
A PROFESSIONAL ASSOCIATION
4523 Office Park Drive, Jackson, MS 39206
Post Office Box 16074, Jackson, MS 39236
TEL. 601-982-3313 FAX. 601-982-7685

S/W JOB NO: 220075

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PROJECT INFORMATION

PROJECT:

THE GREAT SEAL OF THE STATE OF MISSISSIPPI

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

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- ☐ AS-BUILT RECORD SET

SEAL

JOHN M. WYNNE
REGISTERED PROFESSIONAL ENGINEER
#11869
STATE OF MISSISSIPPI
03/18/2021

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE

Electrical Site Plan
Lighting, Power &
Comm. Systems

PROJECT NO.: 19-4894B

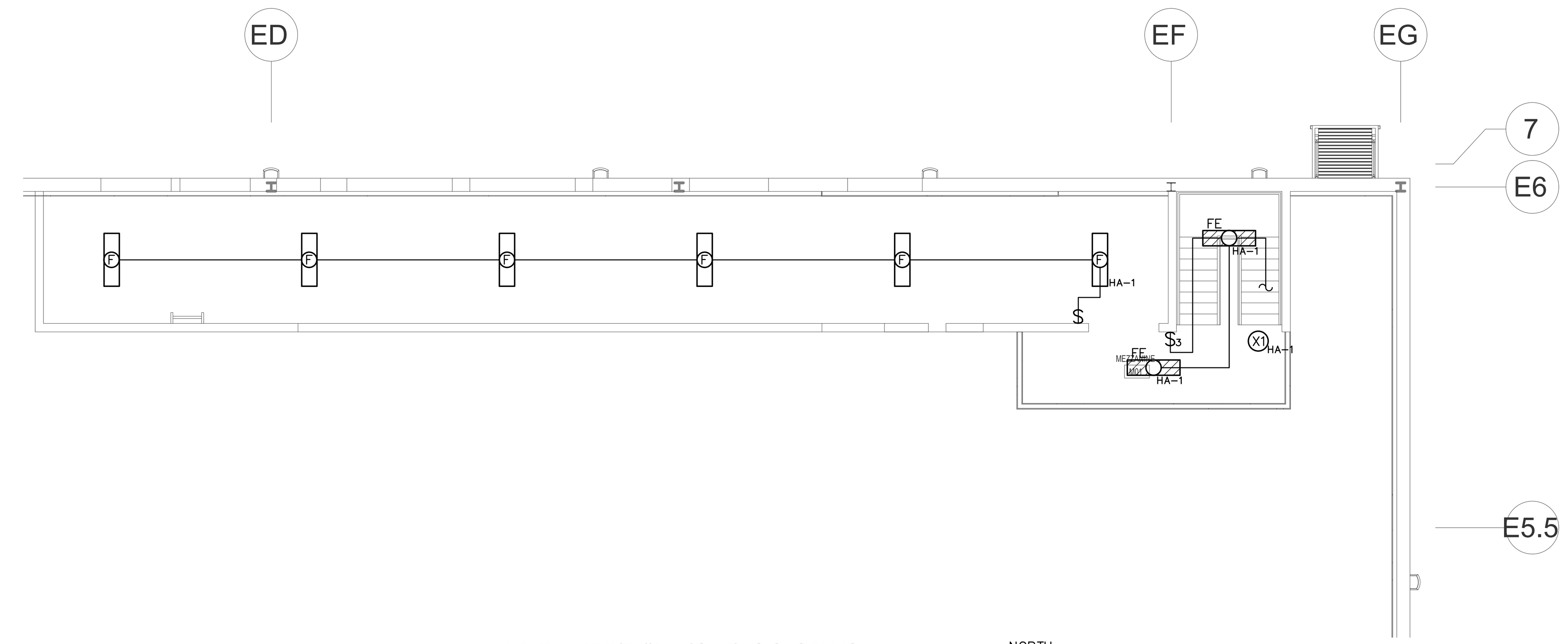
SHEET ISSUED:

DRAWN BY:

REVIEWED BY:

SHEET NO.

E-101A

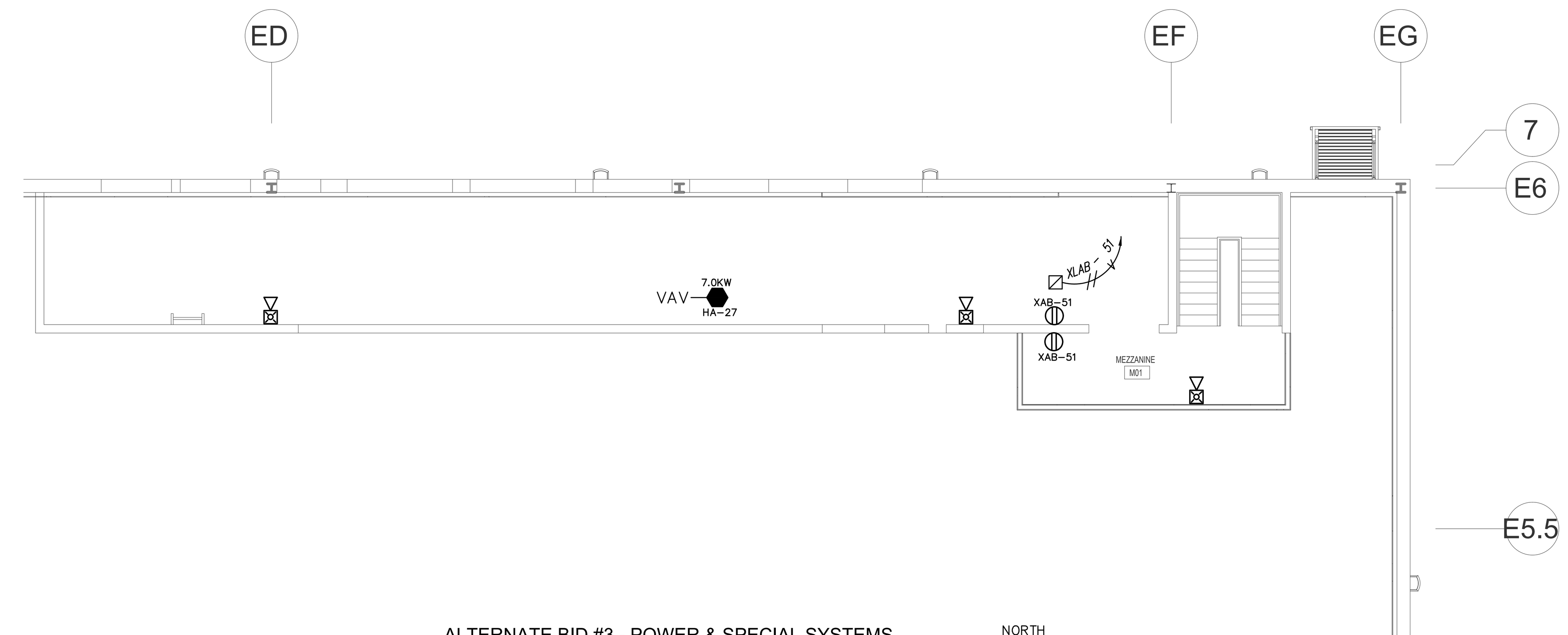


ALTERNATE BID #3 - LIGHTING SYSTEMS

ELEC. MEZZANINE FLOOR PLAN

NORTH

SCALE: 1/8" = 1'-0"



ALTERNATE BID #3 - POWER & SPECIAL SYSTEMS

ELEC. MEZZANINE FLOOR PLAN

NORTH

SCALE: 1/8" = 1'-0"

Schultz & Wynne
Consulting Electrical Engineers
A PROFESSIONAL ASSOCIATION
4523 Office Park Drive, Jackson, MS 39206
Post Office Box 16074, Jackson, MS 39236
TEL. 601-982-3313 FAX. 601-982-7685

S/W JOB NO: 220075

LPK architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect

821 22ND AVENUE P.O. BOX 630
MERIDIAN, MISSISSIPPI 39302
P: 601.693.9990
F: 601.693.8640

PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL

JOHN M. WYNNE
REGISTERED PROFESSIONAL ENGINEER
#11869
STATE OF MISSISSIPPI
03/18/2021

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
1	04/30/2021	ADDENDUM #3

SHEET TITLE

Electrical Floor Plans
Alternate Bid
Mezzanine Level

PROJECT NO.: 19-4894B

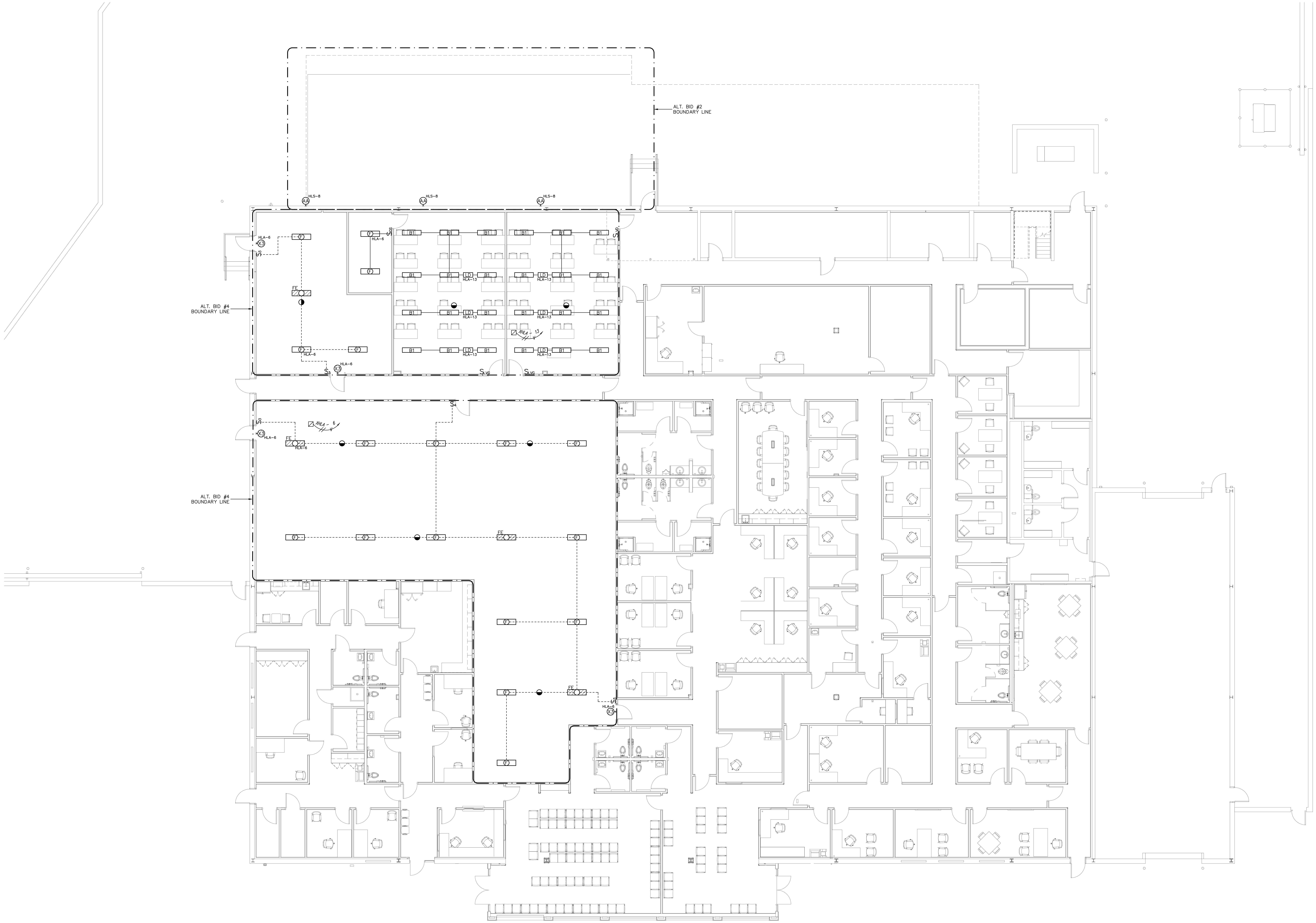
SHEET ISSUED:

DRAWN BY:

REVIEWED BY:

SHEET NO.

E-206A



ALTERNATE BID #2 & #4 WORK - LIGHTING SYSTEMS

ELECTRICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

NORTH

L P K
architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect

821 22ND AVENUE P.O. BOX 630
MERIDIAN, MISSISSIPPI 39302
P: 601.693.9990
F: 601.693.8640

PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES
CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

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- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL

JOHN M. WYNNE
REGISTERED PROFESSIONAL ENGINEER
#11869
STATE OF MISSISSIPPI
03/18/2021

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE

Electrical Floor Plan
Alternate Bid Additional Work
Lighting Systems

Schultz & Wynne
Consulting Electrical Engineers
A PROFESSIONAL ASSOCIATION
4523 Office Park Drive, Jackson, MS 39206
Post Office Box 16074, Jackson, MS 39236
TEL. 601-982-3313 FAX. 601-982-7685

S/W JOB NO: 220075

PROJECT NO.: 19-4894B

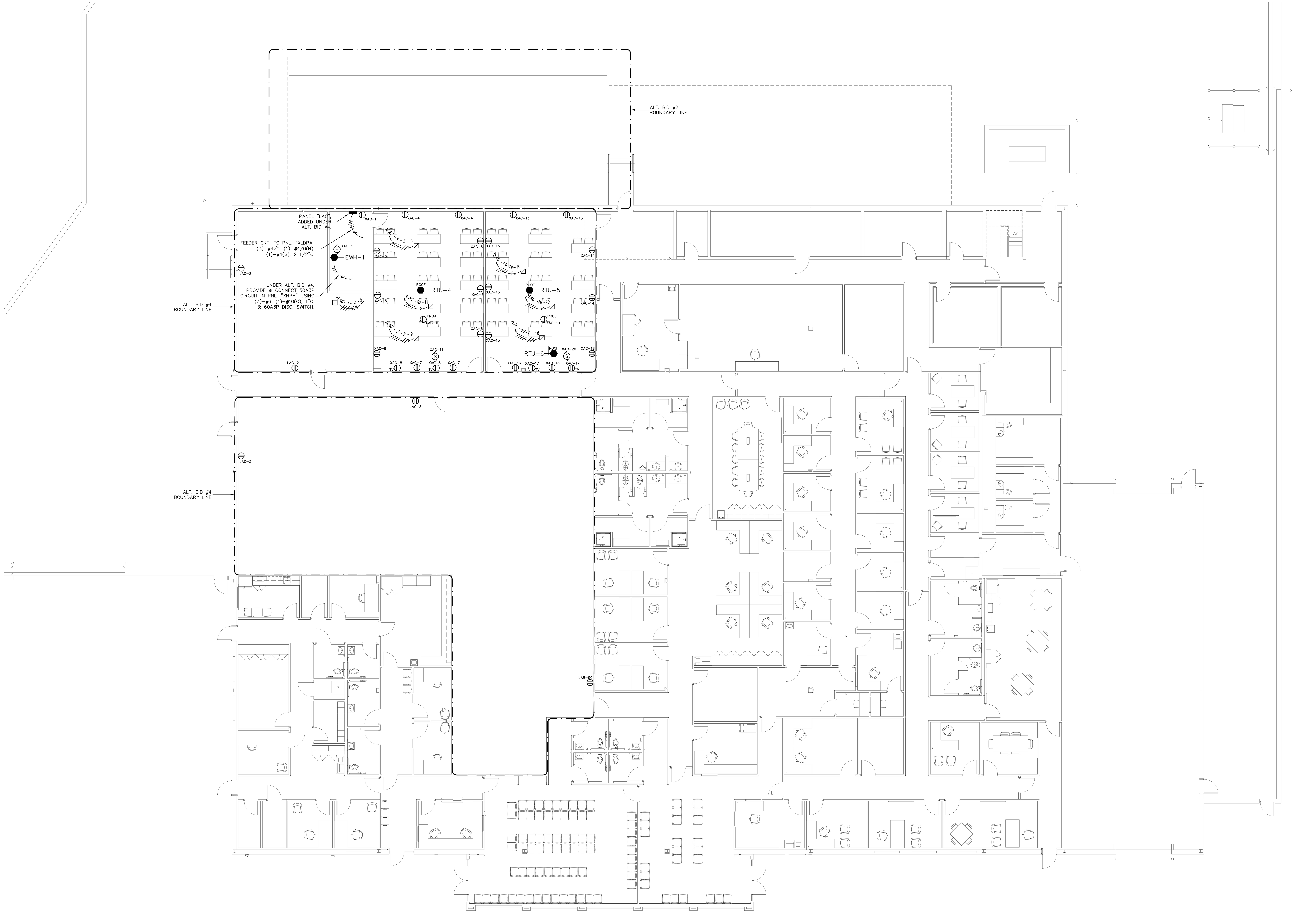
SHEET ISSUED:

DRAWN BY:

REVIEWED BY:

SHEET NO.

E-207A



ALTERNATE BID #2 & #4 WORK - POWER SYSTEMS

ELECTRICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

NORTH

L P K architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect
821 22ND AVENUE P.O. BOX 630
MERIDIAN, MISSISSIPPI 39302
P: 601.693.9990
F: 601.693.8640

PROJECT INFORMATION

PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL

JOHN M. WYNNE
REGISTERED PROFESSIONAL ENGINEER
#11869
STATE OF MISSISSIPPI

03/18/2021

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE

Electrical Floor Plan
Alternate Bid Additional Work
Power Systems

Schultz & Wynne
Consulting Electrical Engineers
A PROFESSIONAL ASSOCIATION
4523 Office Park Drive, Jackson, MS 39206
Post Office Box 16074, Jackson, MS 39236
TEL. 601-982-3313 FAX. 601-982-7685

S/W JOB NO: 220075

PROJECT NO.: 19-4894B

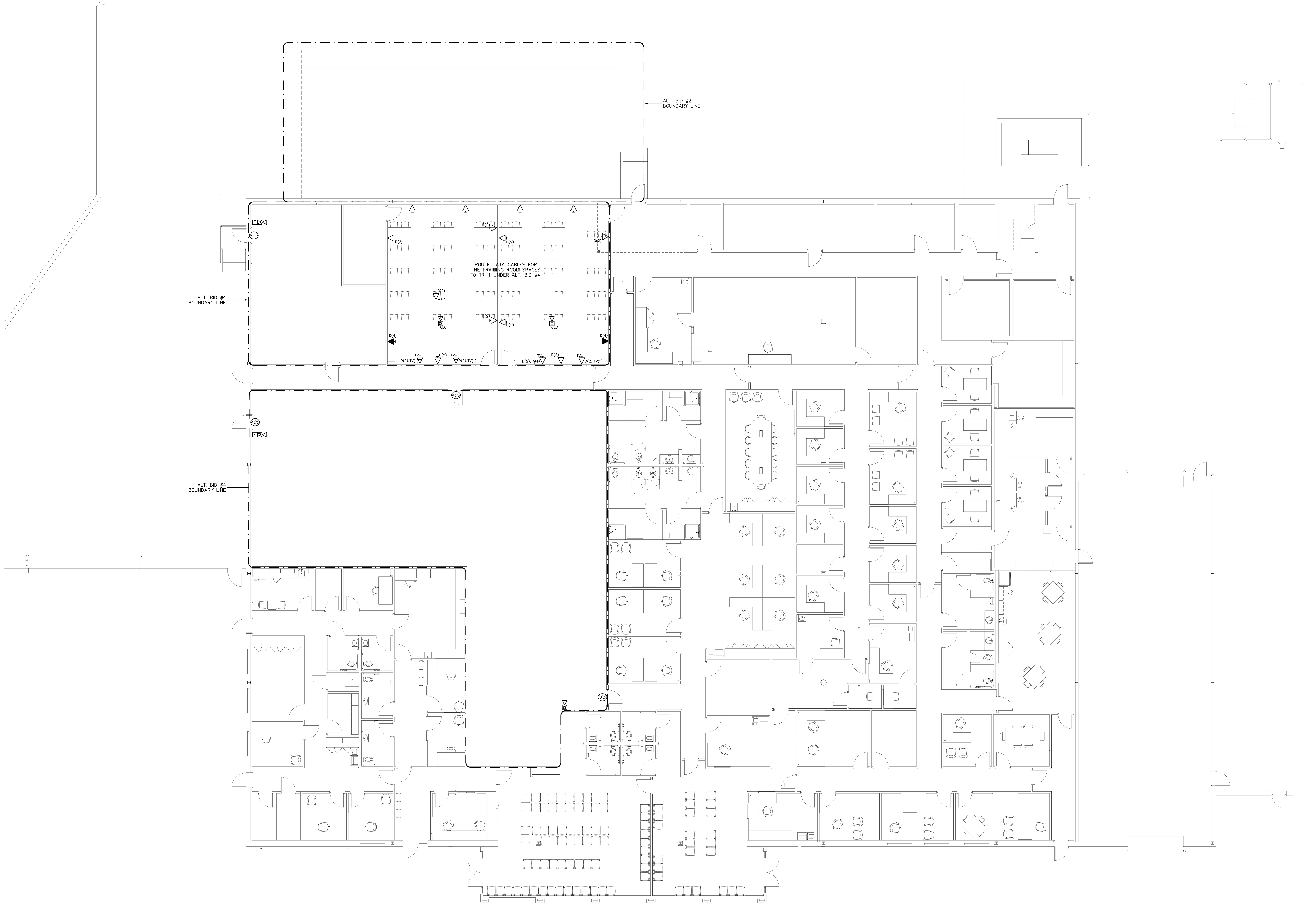
SHEET ISSUED:

DRAWN BY:

REVIEWED BY:

SHEET NO.

E-208A



ALTERNATE BID #2 & #4 WORK - TELECOMM. & SPECIAL SYS.

NORTH

ELECTRICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"

Schultz & Wynne
Consulting Electrical Engineers
A PROFESSIONAL ASSOCIATION
4523 Office Park Drive, Jackson, MS 39206
Post Office Box 16074, Jackson, MS 39236
TEL. 601-982-3313 FAX. 601-982-7685
S/W JOB NO: 220075

L P K
architects

LPK ARCHITECTS, P.A.
Robert E. Luke, Architect
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MERIDIAN, MISSISSIPPI 39302
P: 601.693.9990
F: 601.693.8640

PROJECT INFORMATION

PROJECT:

THE GREAT SEAL OF THE STATE OF MISSISSIPPI

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE

- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL

JOHN M. WYNNE
REGISTERED PROFESSIONAL ENGINEER
#11869
STATE OF MISSISSIPPI
03/18/2021

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE

Electrical Floor Plan
Alternate Bid Additional Work
Telecomm. & Special Systems

PROJECT NO.: 19-4894B

SHEET ISSUED:

DRAWN BY:

REVIEWED BY:

SHEET NO.

E-209A

PANEL "XHDPB"

VOLTS: 480Y/277 PHASE: 3 MOUNTING: SURFACE
MAIN: 400A WIRE: 4 K.A.I.C: 35
NEUTRAL: 100% FED FROM: PANELBOARD "XHDPA" & ENG. GEN. #2 VIA ATS-B MAIN BREAKER: NONE

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
1	SURGE PROTECTION				60	3	A	3	100				SPACE	2
	DEVICE (SPD)						B							
							C							
3	ROOF TOP UNIT RTU-3	20.37			90	3	A	3	50	10.00			ELEC. WATER HEATER	4
			20.37				B				10.00		EWH-1	
				20.37			C					10.00		
5	PANELBOARD "XLDPB"	28.00			175	3	A	3	225	21.00			PANELBOARD "XHB"	6
	VIA 112.5 KVA XFMR.		28.00				B				21.00			
				28.00			C					21.00		
7	SPARE				225	3	A	3	225				SPACE	8
							B							
							C							

REMARKS:

PANEL "XHDPB"

TOTAL CONNECTED LOAD - KVA:
PHASE A: 79.4
PHASE B: 79.4
PHASE C: 79.4
TOTAL CONNECTED LOAD: 238.1
TOTAL DEMAND - KVA: 195.1
TOTAL DEMAND - AMPS: 234.9
SPARE CAPACITY - %: 25%
TOTAL LOAD - KVA: 243.8
TOTAL LOAD - AMPS: 293.6

PANEL "XHB" SECT. #1

VOLTS: 480Y/277 PHASE: 3 MOUNTING: SURFACE
MAIN: 225A WIRE: 4 K.A.I.C: 22
NEUTRAL: 100% FED FROM: PANELBOARD "XHDPB" MAIN BREAKER: NONE

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
1	CORR./MISC./TLT. LTG.	0.80			20	1	A	3	20	3.00			VAV TERM. UNITS	16
2	SIT./WEATHER LTG.		0.60		20	1	B				3.00		3.12, 3.13, 3.14	
3	DISP./SERVER LTG.			0.80	20	1	C					3.00		
4	OFFICE/MISC. LTG.	1.20			20	1	A	3	20	2.33			VAV TERM. UNITS	17
5	TRAINING LTG.		0.80		20	1	B				2.33		3.06, 3.08, 3.10	
6	TRAINING LTG.			0.80	20	1	C					2.33		
7	SPARE				20	1	A	3	20	2.83			VAV TERM. UNIT 3.03	18
8	SPARE				20	1	B				2.83			
9	SPARE				20	1	C					2.83		
10	VAV 3.01, 3.02	2.00			20	1	A	3	20	3.00			VAV TERM. UNIT 3.04	19
11	VAV 3.09, 3.11		2.00		20	1	B				3.00			
12	VAV TERM. UNIT 3.07			1.50	20	1	C					3.00		
13	VAV TERM. UNITS	3.33			20	3	A	3	20	2.66			VAV TERM. UNIT 3.05	20
	3.16, 3.18,3.19		3.33				B				2.66			
				3.33			C					2.66		
14	VAV TERM. UNIT 3.17	2.33			20	3	A	3	20	1.67			ELEC. WATER HEATER	21
			2.33				B				1.67		EWH-2	
				2.33			C					1.67		
15	VAV TERM.UNIT 3.15	2.33			20	3	A	3	20				SPARE	22
			2.33				B							
				2.33			C							

REMARKS:

PANEL "XHB"

TOTAL CONNECTED LOAD - KVA:
PHASE A: 27.5
PHASE B: 26.9
PHASE C: 26.6
TOTAL CONNECTED LOAD: 80.9
TOTAL DEMAND - KVA: 63.2
TOTAL DEMAND - AMPS: 76.1
SPARE CAPACITY - %: 25%
TOTAL LOAD - KVA: 79.0
TOTAL LOAD - AMPS: 95.1

PANEL "XLDPB"

VOLTS: 208Y/120 PHASE: 3 MOUNTING: SURFACE
MAIN: 400A WIRE: 4 K.A.I.C: 22
NEUTRAL: 100% FED FROM: PANELBOARD "XHDPB" VIA 112.5KVA XFMR. MAIN BREAKER: 400A3P

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
1	BLOWER UNIT DSS-1	0.25			15	2	A	2	15	0.25			BLOWER UNIT DSS-2	2
			0.25				B				0.25			
3	H.P. COND. UNIT CU-1			2.03	40	2	C	2	40			20.30	H.P. COND. UNIT CU-2	4
		2.03					A			2.03				
5	SPARE				15	2	B	2	50				SPARE	6
							C							
7	SURGE PROTECTION				60	3	A	3	100				SPACE	8
	DEVICE (SPD)						B							
							C							
9	PANELBOARD "XLBA"	17.00			225	3	A	3	225	16.00			PANELBOARD "XLBB"	10
			17.00				B				16.00			
				17.00			C					16.00		
11	SPARE				225	3	A	3	225				SPACE	12
							B							
							C							

REMARKS:

PANEL "XLDPB"

TOTAL CONNECTED LOAD - KVA:
PHASE A: 37.6
PHASE B: 33.5
PHASE C: 55.3
TOTAL CONNECTED LOAD: 126.4
TOTAL DEMAND - KVA: 101.6
TOTAL DEMAND - AMPS: 282.5
SPARE CAPACITY - %: 25%
TOTAL LOAD - KVA: 127.1
TOTAL LOAD - AMPS: 353.1

PANEL "XLBA" SECT. #1

VOLTS: 208Y/120 PHASE: 3 MOUNTING: SURFACE
MAIN: 225A WIRE: 4 K.A.I.C: 22
NEUTRAL: 100% FED FROM: PANELBOARD "XLDPB" MAIN BREAKER: NONE

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
1	ELEC./DATA RECEPT.	1.00			20	1	A	1	20	1.00			WEATHER RM. RECPT.	22
2	T.B.B. RECEPT.		1.00		20	1	B	1	20		1.00		WEATHER RM. RECPT.	23
3	T.B.B. RECEPT.			1.00	20	1	C	1	20			1.00	WEATHER RM. RECPT.	24
4	EMS PANEL	1.00			20	1	A	1	20	1.00			FIRE SUPP. CNTL. PNL.	25
5	TLT. MISC./RECEPT.		1.00		20	1	B	1	20		1.00		SERV. RM. RECEPT.	26
6	HAND DRYER			1.50	20	1	C	1	20			1.00	SERV. RM. RECEPT.	27
7	CORR. RECEPT.	1.00			20	1	A	1	20	1.00			SERV. RM. RECEPT.	28
8	MOTORIZED SCREEN		1.00		20	1	B	1	20		1.00		SERV. RM. RECEPT.	29
9	PROJECTOR			1.00	20	1	C	1	20			1.00	SERV. RM. RECEPT.	30
10	SIT. RM. RECEPT.	1.00			20	1	A	1	20	1.00			SERV. RM. RECEPT.	31
11	SIT. RM. RECEPT.		1.00		20	1	B	1	20		1.00		SERV. RM. RECEPT.	32
12	SIT. RM. RECEPT.			1.00	20	1	C	1	20			1.00	SERV. RM. RECEPT.	33
13	SIT. RM. RECEPT.	1.00			20	1	A	1	20	1.00			SERV. RM. RECEPT.	34
14	SIT. RM. RECEPT.		1.00		20	1	B	1	20		1.00		SERV. RM. RECEPT.	35
15	SIT. RM. RECEPT.			1.00	20	1	C	1	20			1.00	SERV. RM. RECEPT.	36
16	SIT. RM. RECEPT.	1.00			20	1	A	1	20	1.00			DISPATCH RECEPT.	37
17	SIT. RM. RECEPT.		1.00		20	1	B	1	20		1.00		DISPATCH RECEPT.	38
18	SIT. RM. RECEPT.			1.00	20	1	C	1	20			1.00	DISPATCH RECEPT.	39
19	WEATHER RM. RECPT.	1.00			20	1	A	1	20	1.00			DISPATCH RECEPT.	40
20	WEATHER RM. RECPT.		1.00		20	1	B	1	20		1.00		DISPATCH RECEPT.	41
21	WEATHER RM. RECPT.			1.00	20	1	C	1	20			1.00	DISPATCH RECEPT.	42

REMARKS:

PANEL "XLBA" SECT. #2

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
43	DISPATCH RECEPT.	1.00			20	1	A	2	20	1.50			SERVER RM. RECEPT.	64
44	DISPATCH RECEPT.		1.00		20	1	B				1.50			65
45	DISPATCH RECEPT.			1.00	20	1	C	2	20			1.50	SERVER RM. RECEPT.	66
46	DISPATCH RECEPT.	1.00			20	1	A			1.50				67
47	DISPATCH RECEPT.		1.00		20	1	B	2	20		1.50		SERVER RM. RECEPT.	68
48	DISPATCH RECEPT.			1.00	20	1	C					1.50		69
49	DISPATCH RECEPT.	1.00			20	1	A	2	20	1.50			SERVER RM. RECEPT.	70
50	DISPATCH RECEPT.		1.00		20	1	B				1.50			71
51	DISPATCH RECEPT.			1.00	20	1	C	2	20			1.50	SERVER RM. RECEPT.	72
52	SPARE				20	1	A			1.50				73
53	SPARE				20	1	B	2	20		1.50		SERVER RM. RECEPT.	74
54	SPARE				20	1	C					1.50		75
55	SPARE				20	1	A	2	20	1.50			DISPATCH RECEPT.	76
56	SPARE				20	1	B				1.50			77
57	SPARE				20	1	C	2	20			1.50	DISPATCH RECEPT.	78
58	SPARE				20	1	A			1.50				79
59	SPARE				20	1	B	2	20		1.50		DISPATCH RECEPT.	80
60	SMOKE DAMPER			0.50	20	1	C					1.50		81
61	SMOKE DAMPER	0.50			20	1	A	2	20	1.50			DISPATCH RECEPT.	82
62	T.B.B. RECEPT.		1.00		20	2	B				1.50			83
63				1.00			C	1					SPACE	84

REMARKS:

PANEL "XLBA"

TOTAL CONNECTED LOAD - KVA:
PHASE A: 28.0
PHASE B: 28.5
PHASE C: 28.0
TOTAL CONNECTED LOAD: 84.5
TOTAL DEMAND - KVA: 49.8
TOTAL DEMAND - AMPS: 138.3
SPARE CAPACITY - %: 25%
TOTAL LOAD - KVA: 62.2
TOTAL LOAD - AMPS: 172.8

PANEL "XLBB" SECT. #1

VOLTS: 208Y/120 PHASE: 3 MOUNTING: SURFACE
MAIN: 225A WIRE: 4 K.A.I.C: 22
NEUTRAL: 100% FED FROM: PANELBOARD "XLDPB" MAIN BREAKER: NONE

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
1	WAITING RM. RECEPT.	1.00			20	1	A	1	20	1.00			TRAINING RM. RECEPT.	22
2	REC. OFFICE RECEPT.		1.00		20	1	B	1	20		1.00		TRAINING RM. RECEPT.	23
3	COPIER RECEPT.			1.50	20	1	C	1	20			1.00	TRAINING RM. RECEPT.	24
4	OFFICE RECEPT.	1.00			20	1	A	1	20	1.00			TRAINING RM. RECEPT.	25
5	OFFICE RECEPT.		1.00		20	1	B	1	20		1.00		TRAINING RM. RECEPT.	26
6	CORR. RECEPT.			1.00	20	1	C	1	20			1.00	TRAINING RM. RECEPT.	27
7	OFFICE RECEPT.	1.00			20	1	A	1	20	1.00			MOTORIZED SCREEN	28
8	OFFICE RECEPT.		1.00		20	1	B	1	20		1.00		PROJECTOR	29
9	OFFICE RECEPT.			1.00	20	1	C	1	20				SPARE	30
10	OFFICE RECEPT.	1.00			20	1	A	1	20	1.00			TRAINING RM. RECEPT.	31
11	OFFICE RECEPT.		1.00		20	1	B	1	20		1.00		TRAINING RM. RECEPT.	32
12	JAN. MISC./RECEPT.			1.00	20	1	C	1	20			1.00	TRAINING RM. RECEPT.	33
13	OFFICE RECEPT.	1.00			20	1	A	1	20	1.00			TRAINING RM. RECEPT.	34
14	TLT. MISC./RECEPT.		1.00		20	1	B	1	20		1.00		TRAINING RM. RECEPT.	35
15	TLT. MISC./RECEPT.			1.00	20	1	C	1	20			1.00	TRAINING RM. RECEPT.	36
16	HAND DRYER	1.50			20	1	A	1	20	1.00			MOTORIZED SCREEN	37
17	HAND DRYER		1.50		20	1	B	1	20		1.00		PROJECTOR	38
18	CORR. RECEPT.			1.00	20	1	C	1	20				SPARE	39
19	SPARE				20	1	A	1	20	1.00			LOUNGE RECEPT.	40
20	SPARE				20	1	B	1	20		1.00		LOUNGE RECEPT.	41
21	SPARE				20	1	C	1	20			1.00	STOR. RM. RECEPT.	42

REMARKS:

PANEL "XLBB" SECT. #2

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
43	BRK. RM. RECEPT.	1.00			20	1	A	1	20	1.00			BREAK RM. RECEPT.	64
44	BUNK RM. RECEPT.		1.00		20	1	B	1	20		1.00		BREAK RM. RECEPT.	65
45	BUNK RM. RECEPT.			1.00	20	1	C	1	20			1.50	REFRIG. RECEPT.	66
46	REFRIG. RECEPT.	1.50			20	1	A	1	20	1.50			KIT. CTR. RECEPT.	67
47	KIT. CTR. RECEPT.		1.50		20	1	B	1	20		1.50		KIT. CTR. RECEPT.	68
48	KIT. CTR. RECEPT.			1.50	20	1	C	1	20			1.50	ICE MACH. RECEPT.	69
49	MICROWAVE	1.50			20	1	A	1	20				SPACE	70
50	VENDING MACH.		1.50		20	1	B	1	20				SPACE	71
51	VENDING MACH.			1.50	20	1	C	1	20				SPACE	72
52	CORR. RECEPT.				20	1	A	1	20				SPACE	73
53	WASHING MACHINE				20	1	B	1	20				SPACE	74
54	SPARE				20	1	C	1	20				SPACE	75
55	SPARE				20	1	A	1	20				SPACE	76
56	SPARE				20	1	B	1	20				SPACE	77
57	SPARE				20	1	C	1	20				SPACE	78
58	CLOTHES DRYER	2.50			30	2	A	1	20				SPACE	79
59			2.50				B	1	20				SPACE	80
60	ELEC. RANGE			4.00	50	2	C	1	20				SPACE	81
61		4.00					A	1	20				SPACE	82
62	ELEC. RANGE		4.00		50	2	B	1	20				SPACE	83
63				4.00			C	1	20				SPACE	84

REMARKS:

PANEL "XLBB"

TOTAL CONNECTED LOAD - KVA:
PHASE A: 26.5
PHASE B: 26.5
PHASE C: 26.5
TOTAL CONNECTED LOAD: 79.5
TOTAL DEMAND - KVA: 48.5
TOTAL DEMAND - AMPS: 134.8
SPARE CAPACITY - %: 25%
TOTAL LOAD - KVA: 60.6
TOTAL LOAD - AMPS: 168.5

EQUIPMENT ELECTRICAL SERVICE SCHEDULE

MARK NO.	EQUIPMENT DESCRIPTION	VOLTS/ PHASE	FLA (A)	MCA	MOCP	RATING		CIRCUIT (PNL.- NO.)	BRANCH CIRCUIT (1)		DISC. SW./ FUSE (2)	NOTES
						SIZE	UNITS		CONDUCTORS	CONDUIT(S)		
RTU-1	ROOF TOP A/C UNIT	480/3	104.5	119.2	150.0	50.0	TON	XHDPA-3	(3)-#1, (1)-#6(G)	(1) - 1 1/2"	W/EQUIP	ROOF
RTU-2	ROOF TOP A/C UNIT	480/3	33.8	43.5	50.0	15.0	TON	HC-15	(3)-#6, (1)-#10(G)	(1) - 1"	W/EQUIP	ROOF
RTU-3	ROOF TOP A/C UNIT	480/3	59.6	73.4	90.0	25.0	TON	XHDPB-3	(3)-4, (1)-#8(G)	(1) - 1 1/4"	W/EQUIP	ROOF
VAV	VAV TERMINATL UNIT	277				SEE DWG	KW	SEE DWG	(1)-#12, (1)-#12(N), (1)-#12(G)	(1) - 3/4"	20A1P MMS	
VAV	VAV TERMINATL UNIT	480/3				SEE DWG	KW	SEE DWG	(3)-#12, (1)-#12(G)	(1) - 3/4"	20A3P MMS	
CU-1	H.P. CONDENSING UNIT	208/1	19.5	25.0	40.0	3.0	TON	XLDPB-3	(2)-#8, (1)-#10(G)	(1) - 3/4"	60A2P	ROOF
DSS-1	BLOWER UNIT	208/1	1.0	1.3	15.0			XLDPB-1	(2)-#12, (1)-#12(G)	(1) - 3/4"	20A2P MMS	
CU-2	H.P. CONDENSING UNIT	208/1	19.5	25.0	40.0	3.0	TON	XLDPB-4	(2)-#8, (1)-#10(G)	(1) - 3/4"	60A2P	ROOF
DSS-2	BLOWER UNIT	208/1	1.0	1.3	15.0			XLDPB-2	(2)-#12, (1)-#12(G)	(1) - 3/4"	20A2P MMS	
EWH-1	ELEC. WATER HEATER	480/3	36.1	45.2	50.0	30.0	KW	XHDPB-4	(3)-#6, (1)-#10(G)	(1) - 1"	60A3P	
EWH-2	ELEC. WATER HEATER	480/3	6.0	7.5	20.0	5.0	KW	XHB-21	(3)-#12, (1)-#12(G)	(1) - 3/4"	30A3P	
EWH-3	ELEC. WATER HEATER	480/3	6.0	7.5	20.0	5.0	KW	HC-16	(3)-#12, (1)-#12(G)	(1) - 3/4"	30A3P	
EWH-4	ELEC. WATER HEATER	480/3	18.1	22.6	30.0	15.0	KW	XHPA-26	(3)-#10, (1)-#10(G)	(1) - 3/4"	30A3P	
EWH-5	ELEC. WATER HEATER	480/3	6.0	7.5	20.0	5.0	KW	XHPA-25	(3)-#12, (1)-#12(G)	(1) - 3/4"	30A3P	
EUH	ELEC. UNIT HEATER	480/3	6.0	7.5	20.0	5.0	KW	SEE DWG	(3)-#12, (1)-#12(G)	(1) - 3/4"	30A3P	
AC-1	AIR COMPRESSOR	480/3	14.0	17.5	20.0	10.0	HP	XHPA-23	(3)-#10, (1)-#10(G)	(1) - 3/4"	30A3P	
CASC	CASCADE MACHINE	480/3	14.0	17.5	20.0	10.0	HP	XHPA-24	(3)-#10, (1)-#10(G)	(1) - 3/4"	30A3P	
LIFT	VEHICLE LIFT	208/1	15.0	18.8	30.0	2.0	HP	XLAB-71	(2)-#10, (1)-#10(G)	(1) - 3/4"	30A2P	
CU-3	H.P. CONDENSING UNIT	208/1	14.8	19.0	30.0	2.0	TON	XLAA-80	(2)-#10, (1)-#10(G)	(1) - 3/4"	30A2P	ROOF
DSS-3	BLOWER UNIT	208/1	0.5					XLAA-78	(2)-#12, (1)-#12(G)	(1) - 3/4"	20A2P MMS	
CU-4	H.P. CONDENSING UNIT	208/1	14.8	19.0	30.0	2.0	TON	XLAB-75	(2)-#10, (1)-#10(G)	(1) - 3/4"	30A2P	ROOF
DSS-4	BLOWER UNIT	208/1	0.5					XLAB-73	(2)-#12, (1)-#12(G)	(1) - 3/4"	20A2P MMS	
CU-5	H.P. CONDENSING UNIT	208/1	14.8	19.0	30.0	2.0	TON	XLAB-79	(2)-#10, (1)-#10(G)	(1) - 3/4"	30A2P	ROOF
DSS-5	BLOWER UNIT	208/1	0.5					XLAB-77	(2)-#12, (1)-#12(G)	(1) - 3/4"	20A2P MMS	
RTU-4	ROOF TOP A/C UNIT	480/3		32.0	35.0	4.0	TON	XHPA-29	(3)-#8, (1)-#10(G)	(1) - 3/4"	W/EQUIP	ROOF
RTU-5	ROOF TOP A/C UNIT	480/3		32.0	35.0	4.0	TON	XHPA-30	(3)-#8, (1)-#10(G)	(1) - 3/4"	W/EQUIP	ROOF
RTU-6	ROOF TOP A/C UNIT	480/3		63.2	70	10.0	TON	MHDP-3	(3)-#4, (1)-#8(G)	(1)-1 1/4"	W/EQUIP	ROOF

PANEL "HC" SECT. #1

VOLTS: 480Y/277 PHASE: 3 MOUNTING: SURFACE
MAIN: 225A WIRE: 4 K.A.I.C: 22
NEUTRAL: 100% FED FROM: ELEC. SVCE. PANEL "MHDP" MAIN BREAKER: 225A3P

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
1	WAITING LTG.	0.90			20	1	A	3	50	9.00			PANELBOARD "LC"	14
2	CORR./MISC./TLT. LTG.		1.40		20	1	B				9.00		VIA 30KVA XFMR.	
3	OFFICE LTG.			1.20	20	1	C					9.00		
4	SPARE				20	1	A	3	50	12.00			ROOF-TOP-UNIT	15
5	SPARE				20	1	B				12.00		RTU-2	
6	SPARE				20	1	C					12.00		
7	VAV TERM. UNIT 2.06	1.50			20	1	A	3	20	1.67			ELEC. WATER HEATER	16
8	SPARE				20	1	B				1.67		EWH-3	
9	SPARE				20	1	C					1.67		
10	VAV TERM. UNITS	3.67			20	3	A	3	50				SPARE	17
	2.01, 2.03		3.67				B							
				3.67			C							
11	VAV TERM. UNITS	3.33			20	3	A	3	20				SPARE	18
	2.02, 2.04		3.33				B							
				3.33			C							
12	VAV TERM. UNITS	3.33			20	3	A	3					SPACE	19
	2.07, 2.08, 2.09		3.33				B							
				3.33			C							
13	VAV TERM. UNITS	2.83			20	3	A	3					SPACE	20
	2.10, 2.11, 2.12		2.83				B							
				2.83			C							

REMARKS:

PANEL "HC"

TOTAL CONNECTED LOAD - KVA:
PHASE A: 38.2
PHASE B: 37.2
PHASE C: 37.0
TOTAL CONNECTED LOAD: 112.5
TOTAL DEMAND - KVA: 102.2
TOTAL DEMAND - AMPS: 123.1
SPARE CAPACITY - %: 25%
TOTAL LOAD - KVA: 127.8
TOTAL LOAD - AMPS: 153.9

PANEL "XLAC" SECT. #1

VOLTS: 208Y/120 PHASE: 3 MOUNTING: SURFACE
MAIN: 225A WIRE: 4 K.A.I.C: 22
NEUTRAL: 100% FED FROM: PANELBOARD "XLDPA" MAIN BREAKER: NONE

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
1	SHELL SPC. RECEPT.	1.00			20	1	A	1	20				SPARE	22
2	SHELL SPC. RECEPT.		1.00		20	1	B	1	20				SPARE	23
3	SHELL SPC. RECEPT.			1.00	20	1	C	1	20				SPARE	24
4	TRAINING RM. RECEPT.	1.00			20	1	A	1	20				SPARE	25
5	TRAINING RM. RECEPT.		1.00		20	1	B	1	20				SPARE	26
6	TRAINING RM. RECEPT.			1.00	20	1	C	1	20				SPARE	27
7	TRAINING RM. RECEPT.	1.00			20	1	A	1	20				SPARE	28
8	TRAINING RM. RECEPT.		1.00		20	1	B	1	20				SPARE	29
9	TRAINING RM. RECEPT.			1.00	20	1	C	1	20				SPARE	30
10	TRAINING RM. RECEPT.	1.00			20	1	A	1	20				SPARE	31
11	TRAINING RM. RECEPT.		1.00		20	1	B	1	20				SPARE	32
12	SPARE				20	1	C	1	20				SPARE	33
13	TRAINING RM. RECEPT.	1.00			20	1	A	1	20				SPARE	34
14	TRAINING RM. RECEPT.		1.00		20	1	B	1	20				SPARE	35
15	TRAINING RM. RECEPT.			1.00	20	1	C	1	20				SPARE	36
16	TRAINING RM. RECEPT.	1.00			20	1	A	1	20				SPARE	37
17	TRAINING RM. RECEPT.		1.00		20	1	B	1	20				SPARE	38
18	TRAINING RM. RECEPT.			1.00	20	1	C	1	20				SPARE	39
19	TRAINING RM. RECEPT.	1.00			20	1	A	1	20				SPARE	40
20	TRAINING RM. RECEPT.		1.00		20	1	B	1	20				SPARE	41
21	SPARE			1.00	20	1	C	1	20				SPARE	42

REMARKS: PANELBOARD ADDED UNDER ALTERNATE BID #4.

PANEL "XLAC"

TOTAL CONNECTED LOAD - KVA:
PHASE A: 7.0
PHASE B: 7.0
PHASE C: 6.0
TOTAL CONNECTED LOAD: 20.0
TOTAL DEMAND - KVA: 9.5
TOTAL DEMAND - AMPS: 26.4
SPARE CAPACITY - %: 25%
TOTAL LOAD - KVA: 11.9
TOTAL LOAD - AMPS: 33.0

PANEL "LC" SECT. #1

VOLTS: 208Y/120 PHASE: 3 MOUNTING: SURFACE
MAIN: 125A WIRE: 4 K.A.I.C: 10
NEUTRAL: 100% FED FROM: MAIN BREAKER: NONE

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
1	WAITING RM. RECEPT.	1.00			20	1	A	1	20	1.50			COPIER RECEPT.	16
2	WAITING RM. RECEPT.		1.00		20	1	B	1	20		1.00		WK. CTR. RECEPT.	17
3	WAITING RM. RECEPT.			1.00	20	1	C	1	20			1.00	FILE RM. RECEPT.	18
4	PUBLIC TLT. RECEPT.	1.00			20	1	A	1	20	1.00			OFFICE RECEPT.	19
5	HAND DRYER		1.50		20	1	B	1	20		1.00		CONF. RM. RECEPT.	20
6	HAND DRYER			1.50	20	1	C	1	20			1.00	CONF. RM. RECEPT.	21
7	PUBLIC TLT. RECEPT.	1.00			20	1	A	1	20	1.00			JAN. MISC./RECEPT.	22
8	MOTORIZED DOOR		1.50		20	1	B	1	20		1.00		CORR. RECEPT.	23
9	SPARE				20	1	C	1	20			1.00	STAFF TLT. RECEPT.	24
10	CORR. RECEPT.	1.00			20	1	A	1	20	1.50			HAND DRYER	25
11	REC. OFFICE RECEPT.		1.00		20	1	B	1	20		1.50		HAND DRYER	26
12	REC. OFFICE RECEPT.			1.00	20	1	C	1	20			1.00	STAFF TLT. RECEPT.	27
13	OFFICE RECEPT.	1.00			20	1	A	1	20	1.00			BREAK RM. RECEPT.	28
14	OFFICE RECEPT.		1.00		20	1	B	1	20		1.50		REFRIG. RECEPT.	29
15	MISC./CORR. RECEPT.			1.00	20	1	C	1	20			1.50	BREAK RM. RECEPT.	30

REMARKS:

PANEL "LC" SECT. #2

CKT.		KVA			BREAKER			BREAKER		KVA				CKT.
NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A	PH. B.	PH. C	LOAD DESCRIPTION	NO.
31	BREAK RM. RECEPT.	1.50			20	1	A	1	20	1.00			TLT. MISC./RECEPT.	46
32	T.B.B. RECEPT.		1.00		20	1	B	1	20				SPARE	47
33	T.B.B. RECEPT.			1.00	20	1	C	1	20				SPARE	48
34	OFFICE RECEPT.	1.00			20	1	A	1	20				SPARE	49
35	LAB REFRIG. RECEPT.		1.50		20	1	B	1	20				SPARE	50
36	LAB RECEPT.			1.00	20	1	C	1	20				SPARE	51
37	LAB RECEPT.	1.00			20	1	A	1	20				SPARE	52
38	LAB RECEPT.		1.00		20	1	B	1	20				SPARE	53
39	LAB RECEPT.			1.00	20	1	C	1	20				SPARE	54
40	OFFICE RECEPT.	1.00			20	1	A	2	20	1.00			T.B.B. RECEPT. 6-20R	55
41	OFFICE RECEPT.		1.00		20	1	B				1.00			56
42	CORR. RECEPT.			1.00	20	1	C	1	20				SPACE	57
43	TLT. MISC./RECEPT.	1.00			20	1	A	1	20				SPACE	58
44	HAND DRYER		1.50		20	1	B	1	20				SPACE	59
45	HAND DRYER			1.50	20	1	C	1	20				SPACE	60

REMARKS:

PANEL "LC"

TOTAL CONNECTED LOAD - KVA:
PHASE A: 18.5
PHASE B: 19.0
PHASE C: 15.5
TOTAL CONNECTED LOAD: 53.0
TOTAL DEMAND - KVA: 27.5
TOTAL DEMAND - AMPS: 76.4
SPARE CAPACITY - %: 25%
TOTAL LOAD - KVA: 34.4
TOTAL LOAD - AMPS: 95.5

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LPK
architects

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PROJECT INFORMATION
PROJECT:

Lauderdale County
Public Safety Building

PROJECT ADDRESS:

Village Fair Mall Site
612 22nd Avenue
(Winn-Dixie / LabCorp Building)

YATES
CONSTRUCTION

KEY PLAN

ACTIVE DESIGN PHASE
- ☐ FOR REVIEW ONLY
- ☐ FOR PERMITTING ONLY
- ☐ SCHEMATIC DESIGN
- ☐ DESIGN DEVELOPMENT
- ☐ CONSTRUCTION BIDDING
- ■ CONSTRUCTION DOCUMENTS
- ☐ AS-BUILT RECORD SET

SEAL

JOHN M. WYNNE
#11869
03/18/2021

REVISIONS/SUBMISSIONS

NO.	DATE	DESCRIPTION
1	04/26/2021	ADDENDUM #2
2	04/30/2021	ADDENDUM #3

SHEET TITLE
Electrical Schedules

PROJECT NO.: 19-4894B
SHEET ISSUED:
DRAWN BY:
REVIEWED BY:
SHEET NO.
E-303A