

ADDENDUM NO. 2

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

**George Washington Carver State Office Bldg.,
Replace Multiple Electronic Systems
1616 Missouri Blvd.,
Jefferson City, MO 65109
PROJECT NO. 02427-01**

Bid Opening Date: 1:30 PM, August 19, 2025 (Not Changed)

Bidders are hereby informed of the following:

SPECIFICATION CHANGES:

Specification 283111 – Digital, Addressable Fire-Alarm System; add approved manufacturer to 2.1(A)(6):

6. Potter Electric Signal Company, LLC.

DRAWING CHANGES:

Drawing FA101 – Fire Alarm Plans, Level 1; added ceiling-mounted horn/strobe in Conference Room 137. Added

Drawing FA111 – Fire Alarm Plans, Warehouse; relocated fire alarm control unit and dialer to west portion of building and revised power circuiting accordingly. Added note clarifying fire watch requirements.

BIDDER QUESTIONS AND RESPONSES:

Question 1: Please clarify how the fire watch is to work. Are we responsible for the fire watch or if the state is going to take care of that?

Response 1: A note clarifying fire watch requirements in the warehouse which will be continuously occupied during construction has been added to revised drawing FA111.

Question 2: We believe a strobe is needed in the conference room on the first floor.

Response 2: A strobe has been added to revised drawing FA101.

Question 3: Will the state provide a phone line for the Area of Refuge system to call out to the fire department?

Response 3: Keynote FA13 on revised drawing FA101 was modified to provide additional information about phone line work by contractor and by owner.

GENERAL:

1. A non-mandatory pre-bid meeting was held at 10:00 AM, August 1, 2025, at Harry S. Truman Building, Conference Room 750 followed by a site visit that concluded at approximately 11:30 AM.
2. Please contact Paul Girouard, Contract Specialist, at 573-751-4797 or

Paul.Girouard@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.

3. The deadline for technical questions was August 11, 2025, at Noon.
4. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
5. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
6. Current Plan Holders list available online at: [Bid Listing/ Electronic Plans \(Projects Currently Bidding\) | Office of Administration \(mo.gov\)](#) O242701 – George Washington Carver State Office Building.
7. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 7A, Columbia MO 65203, 573-446-7768 to order official plans and specifications.
8. All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled including a bid amount for the alternates. Failure to do so will result in rejection of the bid.
9. MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.

ATTACHMENTS:

1. Specification Section – 283111 Digital, Addressable Fire-Alarm System
2. Revised Drawing FA101 – Fire Alarm Plans, Level 1
3. Revised Drawing FA111 – Fire Alarm Plans, Warehouse
4. Pre-bid meeting attendance sheet.

By the Order of:

Fred L. Decker Jr., Project Manager
Division of Facilities Management,
Design and Construction
August 12, 2025

END ADDENDUM NO. 2

SECTION 283111 - DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEM**PART 1 - GENERAL****1.1 SUMMARY****A. Section Includes:**

1. Fire-alarm control unit.
2. Manual fire-alarm boxes.
3. System smoke detectors.
4. Heat detectors.
5. Notification appliances.
6. Remote annunciator.
7. Addressable interface device.

1.2 SYSTEM DESCRIPTION

- A. Noncoded, addressable system, with multiplexed signal transmission, dedicated to fire-alarm service only.

1.3 SUBMITTALS**A. General Submittal Requirements:**

1. Shop Drawings shall be prepared by persons with the following qualifications:
 - a. Trained and certified by manufacturer in fire-alarm system design.
 - b. NICET-certified fire-alarm technician, Level III minimum.

B. Product Data: For each type of product indicated.**C. Shop Drawings:** For fire-alarm system. Include plans, elevations, sections, details, and attachments to other work.

1. Comply with recommendations in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter in NFPA 72.
2. Include voltage drop calculations for notification appliance circuits.
3. Include battery-size calculations.
4. Include performance parameters and installation details for each detector, verifying that each detector is listed for complete range of air velocity, temperature, and humidity possible when air-handling system is operating.
5. Include plans, sections, and elevations of heating, ventilating, and air-conditioning ducts, drawn to scale and coordinating installation of duct smoke detectors and access to them. Show critical dimensions that relate to placement and support of sampling tubes, detector housing, and remote status and alarm indicators. Locate detectors according to manufacturer's written recommendations.
6. Include floor plans to indicate final outlet locations showing address of each addressable device. Show size and route of cable and conduits.

D. Qualification Data: For qualified Installer.

- E. Field quality-control reports.
- F. Operation and Maintenance Data: For fire-alarm systems and components to include in emergency, operation, and maintenance manuals. Include the following:
 - 1. Comply with the "Records" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72.
 - 2. Provide "Record of Completion Documents" according to NFPA 72 article "Permanent Records" in the "Records" Section of the "Inspection, Testing and Maintenance" Chapter.
 - 3. Record copy of site-specific software.
 - 4. Provide "Maintenance, Inspection and Testing Records" according to NFPA 72 article of the same name and include the following:
 - a. Frequency of testing of installed components.
 - b. Frequency of inspection of installed components.
 - c. Requirements and recommendations related to results of maintenance.
 - d. Manufacturer's user training manuals.
 - 5. Manufacturer's required maintenance related to system warranty requirements.
 - 6. Abbreviated operating instructions for mounting at fire-alarm control unit.
- G. Software and Firmware Operational Documentation:
 - 1. Software operating and upgrade manuals.
 - 2. Program Software Backup: On magnetic media or compact disk, complete with data files.
 - 3. Device address list.
 - 4. Printout of software application and graphic screens.

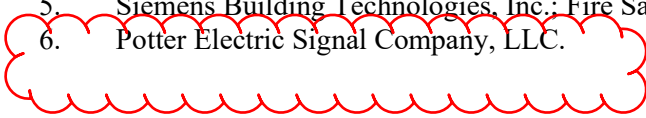
1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Personnel shall be trained and certified by manufacturer for installation of units required for this Project.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.5 SOFTWARE SERVICE AGREEMENT

- A. Comply with UL 864.
- B. Technical Support: Beginning with Substantial Completion, provide software support for two years.
- C. Upgrade Service: Update software to latest version at Project completion. Install and program software upgrades that become available within two years from date of Substantial Completion. Upgrading software shall include operating system. Upgrade shall include new or revised licenses for use of software.
 - 1. Provide 30 days' notice to Owner to allow scheduling and access to system and to allow Owner to upgrade computer equipment if necessary.

PART 2 - PRODUCTS**2.1 MANUFACTURERS**

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. Fire Control Instruments, Inc.; a Honeywell company.
 2. Gamewell; a Honeywell company.
 3. Gentex Corporation.
 4. NOTIFIER; a Honeywell company.
 5. Siemens Building Technologies, Inc.; Fire Safety Division.
 6. Potter Electric Signal Company, LLC.
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2.2 SYSTEMS OPERATIONAL DESCRIPTION

- A. Fire-alarm signal initiation shall be by one or more of the following devices and systems:
1. Manual stations.
 2. Heat detectors.
 3. Smoke detectors.
 4. Duct smoke detectors.
 5. Automatic sprinkler system water flow.
- B. Fire-alarm signal shall initiate the following actions:
1. Continuously operate alarm-notification appliances.
 2. Identify alarm at the fire-alarm control unit and remote annunciators.
 3. Transmit an alarm signal to the remote alarm receiving station.
 4. Release fire and smoke doors held open by magnetic door holders.
 5. Switch heating, ventilating, and air-conditioning equipment controls to fire-alarm mode.
 6. Recall elevators to primary or alternate recall floors.
 7. Record events in the system memory.
- C. Supervisory signal initiation shall be by one or more of the following devices and actions:
1. Valve supervisory switch.
 2. Elevator shunt-trip supervision.
- D. System trouble signal initiation shall be by one or more of the following devices and actions:
1. Open circuits, shorts, and grounds in designated circuits.
 2. Opening, tampering with, or removing alarm-initiating and supervisory signal-initiating devices.
 3. Loss of primary power at fire-alarm control unit.
 4. Ground or a single break in fire-alarm control unit internal circuits.
 5. Abnormal ac voltage at fire-alarm control unit.
 6. Break in standby battery circuitry.
 7. Failure of battery charging.
 8. Abnormal position of any switch at fire-alarm control unit or annunciator.
- E. System Trouble and Supervisory Signal Actions: Initiate notification appliance and annunciate at fire-alarm control unit and remote annunciators.

2.3 FIRE-ALARM CONTROL UNIT

- A. General Requirements for Fire-Alarm Control Unit:
 - 1. Field-programmable, microprocessor-based, modular, power-limited design with electronic modules, complying with UL 864 and listed and labeled by an NRTL.
 - a. System software and programs shall be held in flash electrically erasable programmable read-only memory (EEPROM), retaining the information through failure of primary and secondary power supplies.
 - b. Include a real-time clock for time annotation of events on the event recorder and printer.
 - 2. Addressable control circuits for operation of mechanical equipment.
- B. Alphanumeric Display and System Controls: Arranged for interface between human operator at fire-alarm control unit and addressable system components including annunciation and supervision. Display alarm, supervisory, and component status messages and the programming and control menu.
 - 1. Annunciator and Display: Liquid-crystal type, 2 line(s) of 40 characters, minimum.
 - 2. Keypad: Arranged to permit entry and execution of programming, display, and control commands.
- C. Circuits:
 - 1. Initiating Device, Notification Appliance, and Signaling Line Circuits: NFPA 72, Class B.
 - a. Install no more than 50 addressable devices on each signaling line circuit.
- D. Notification Appliance Circuit: Operation shall sound in a temporal three.
- E. Elevator Recall:
 - 1. Smoke detectors at the following locations shall initiate automatic elevator recall.
 - a. Elevator lobby detectors except the lobby detector on the designated floor.
 - b. Smoke detector in elevator machine room.
 - 2. Elevator lobby detectors located on the designated recall floors shall be programmed to move the cars to the alternate recall floor.
 - a. delay to allow elevators to move to the designated floor.
- F. Door Controls: Door hold-open devices that are controlled by smoke detectors at doors in smoke barrier walls shall be connected to fire-alarm system.
- G. Transmission to Remote Alarm Receiving Station: Automatically transmit alarm, supervisory, and trouble signals to owner's remote alarm station. Coordinate configuration of dialers and/or relays for such transmission with Capitol Police.
- H. Primary Power: 24-V dc obtained from 120-V ac service and a power-supply module. Initiating devices, notification appliances, signaling lines, trouble signals, supervisory signals and interface with owner's remote alarm station shall be powered by 24-V dc source.

1. Alarm current draw of entire fire-alarm system shall not exceed 80 percent of the power-supply module rating.
- I. Secondary Power: 24-V dc supply system with batteries, automatic battery charger, and automatic transfer switch.
 1. Batteries: Sealed, valve-regulated, recombinant lead acid.
- J. Instructions: Computer printout or typewritten instruction card mounted behind a plastic or glass cover in a stainless-steel or aluminum frame. Include interpretation and describe appropriate response for displays and signals. Briefly describe the functional operation of the system under normal, alarm, and trouble conditions.

2.4 MANUAL FIRE-ALARM BOXES

- A. General Requirements for Manual Fire-Alarm Boxes: Comply with UL 38. Boxes shall be finished in red with molded, raised-letter operating instructions in contrasting color; shall show visible indication of operation; and shall be mounted on recessed outlet box. If indicated as surface mounted, provide manufacturer's surface back box.
 1. Double-action mechanism requiring two actions to initiate an alarm, pull-lever type; with integral addressable module arranged to communicate manual-station status (normal, alarm, or trouble) to fire-alarm control unit.
 2. Station Reset: Key- or wrench-operated switch.

2.5 SYSTEM SMOKE DETECTORS

- A. General Requirements for System Smoke Detectors:
 1. Comply with UL 268; operating at 24-V dc, nominal.
 2. Detectors shall be two-wire type.
 3. Integral Addressable Module: Arranged to communicate detector status (normal, alarm, or trouble) to fire-alarm control unit.
 4. Base Mounting: Detector and associated electronic components shall be mounted in a twist-lock module that connects to a fixed base. Provide terminals in the fixed base for connection to building wiring.
 5. Self-Restoring: Detectors do not require resetting or readjustment after actuation to restore them to normal operation.
 6. Integral Visual-Indicating Light: LED type indicating detector has operated and power-on status.
- B. Photoelectric Smoke Detectors:
 1. Detector address shall be accessible from fire-alarm control unit and shall be able to identify the detector's location within the system and its sensitivity setting.
 2. An operator at fire-alarm control unit, having the designated access level, shall be able to manually access the following for each detector:
 - a. Primary status.
 - b. Device type.
 - c. Present average value.
 - d. Present sensitivity selected.
 - e. Sensor range (normal, dirty, etc.).

C. Duct Smoke Detectors: Photoelectric type complying with UL 268A.

1. Detector address shall be accessible from fire-alarm control unit and shall be able to identify the detector's location within the system and its sensitivity setting.
2. An operator at fire-alarm control unit, having the designated access level, shall be able to manually access the following for each detector:
 - a. Primary status.
 - b. Device type.
 - c. Present average value.
 - d. Present sensitivity selected.
 - e. Sensor range (normal, dirty, etc.).
3. Weatherproof Duct Housing Enclosure: NEMA 250, Type 4X; NRTL listed for use with the supplied detector.
4. Each sensor shall have multiple levels of detection sensitivity.
5. Sampling Tubes: Design and dimensions as recommended by manufacturer for specific duct size, air velocity, and installation conditions where applied.
6. Relay Fan Shutdown: Rated to interrupt fan motor-control circuit.

2.6 HEAT DETECTORS

- A. General Requirements for Heat Detectors: Comply with UL 521.
- B. Heat Detector, Fixed Temperature Type: Actuated by a fixed temperature of 135 deg unless otherwise indicated.
1. Mounting: Twist-lock base interchangeable with smoke-detector bases.
 2. Integral Addressable Module: Arranged to communicate detector status (normal, alarm, or trouble) to fire-alarm control unit.
- C. Heat Detector, Combination Type: Actuated by either a fixed temperature of 135 deg F or a rate of rise that exceeds 15 deg F per minute unless otherwise indicated.
1. Mounting: Twist-lock base interchangeable with smoke-detector bases.
 2. Integral Addressable Module: Arranged to communicate detector status (normal, alarm, or trouble) to fire-alarm control unit.

2.7 NOTIFICATION APPLIANCES

- A. General Requirements for Notification Appliances: Connected to notification appliance signal circuits, zoned as indicated, equipped for mounting as indicated and with screw terminals for system connections.
1. Combination Devices: Factory-integrated audible and visible devices in a single-mounting assembly, equipped for mounting as indicated and with screw terminals for system connections.
- B. Horns: Electric-vibrating-polarized type, 24-V dc; with provision for housing the operating mechanism behind a grille. Comply with UL 464. Horns shall produce a sound-pressure level of 90 dBA, measured 10 feet (3 m) from the horn, using the coded signal prescribed in UL 464 test protocol.

- C. Visible Notification Appliances: Xenon or LED strobe lights comply with UL 1971, with clear or nominal white polycarbonate lens mounted on an aluminum faceplate. The word "FIRE" is engraved in minimum 1-inch- (25-mm-) high letters on the lens.
 - 1. Rated Light Output:
 - a. 15/30/75/110 cd, selectable in the field.
 - 2. Mounting: Wall mounted unless otherwise indicated.
 - 3. Flashing shall be in a temporal pattern, synchronized with other units.
 - 4. Strobe Leads: Factory connected to screw terminals.
 - 5. Mounting Faceplate: Factory finished, red.

2.8 REMOTE ANNUNCIATOR

- A. Description: Annunciator functions shall match those of fire-alarm control unit for alarm, supervisory, and trouble indications. Manual switching functions shall match those of fire-alarm control unit, including acknowledging, silencing, resetting, and testing.
 - 1. Mounting: Flush cabinet, NEMA 250, Type 1.
- B. Display Type and Functional Performance: Alphanumeric display and LED indicating lights shall match those of fire-alarm control unit. Provide controls to acknowledge, silence, reset, and test functions for alarm, supervisory, and trouble signals.

2.9 ADDRESSABLE INTERFACE DEVICE

- A. Description: Microelectronic monitor module, NRTL listed for use in providing a system address for alarm-initiating devices for wired applications with normally open contacts.
- B. Integral Relay: Capable of providing a direct signal to elevator controller to initiate elevator recall or to release door holders.

PART 3 - EXECUTION

3.1 EQUIPMENT INSTALLATION

- A. Comply with NFPA 72 for installation of fire-alarm equipment.
- B. Connecting to Existing Equipment: Verify that existing fire-alarm system is operational before making changes or connections.
 - 1. Connect new equipment to existing control panel in existing part of the building.
 - 2. Connect new equipment to existing monitoring equipment at the supervising station.
 - 3. Expand, modify, and supplement existing monitoring equipment as necessary to extend existing monitoring functions to the new points. New components shall be capable of merging with existing configuration without degrading the performance of either system.
- C. Smoke- or Heat-Detector Spacing:
 - 1. Comply with NFPA 72, "Smoke-Sensing Fire Detectors" Section in the "Initiating Devices" Chapter, for smoke-detector spacing.

2. Comply with NFPA 72, "Heat-Sensing Fire Detectors" Section in the "Initiating Devices" Chapter, for heat-detector spacing.
 3. HVAC: Locate detectors not closer than 3 feet from air-supply diffuser or return-air opening.
 4. Lighting Fixtures: Locate detectors not closer than 12 inches (300 mm) from any part of a lighting fixture.
 5. Elevator Lobby Smoke Detectors: Locate detectors within 21 feet of center line of elevator door opening.
 6. Fire/smoke door Smoke and Heat Detectors: Locate detectors within 21 feet of center line of magnetically held doors.
- D. Duct Smoke Detectors: Comply with NFPA 72 and NFPA 90A. Install sampling tubes so they extend the full width of duct.
 - E. Remote Status and Alarm Indicators: Install near each smoke detector and each sprinkler water-flow switch and valve-tamper switch that is not readily visible from normal viewing position.
 - F. Audible Alarm-Indicating Devices: Install not less than 6 inches (150 mm) below the ceiling. Install bells and horns on flush-mounted back boxes with the device-operating mechanism concealed behind a grille.
 - G. Visible Alarm-Indicating Devices: Install adjacent to each alarm bell or alarm horn and at least 6 inches (150 mm) below the ceiling.
 - H. Device Location-Indicating Lights: Locate in public space near the device they monitor.
 - I. Fire-Alarm Control Unit: Surface mounted, with tops of cabinets not more than 72 inches (1830 mm) above the finished floor.
 - J. Annunciator: Install with top of panel not more than 72 inches (1830 mm) above the finished floor.

3.2 CONNECTIONS

- A. For fire-protection systems related to doors in fire-rated walls and partitions and to doors in smoke partitions, connect existing magnetic hold-open devices to new fire-alarm system.
 1. Verify that hardware and devices are NRTL listed for use with fire-alarm system in this Section before making connections.
- B. Make addressable connections with a supervised interface device to the following devices and systems. Install the interface device less than 3 feet (1 m) from the device controlled. Make an addressable confirmation connection when such feedback is available at the device or system being controlled.
 1. Alarm-initiating connection to elevator recall system and components.
 2. Supervisory connections at valve supervisory switches.

3.3 IDENTIFICATION

- A. Identify system components, wiring, cabling, and terminals
- B. Install framed instructions in a location visible from fire-alarm control unit.

3.4 GROUNDING

- A. Ground fire-alarm control unit and associated circuits; comply with IEEE 1100. Install a ground wire from main service ground to fire-alarm control unit.

3.5 FIELD QUALITY CONTROL

- A. Field tests shall be witnessed by authorities having jurisdiction.
- B. Tests and Inspections:
 - 1. Visual Inspection: Conduct visual inspection prior to testing.
 - a. Inspection shall be based on completed Record Drawings and system documentation that is required by NFPA 72 in its "Completion Documents, Preparation" Table in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter.
 - b. Comply with "Visual Inspection Frequencies" Table in the "Inspection" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72; retain the "Initial/Reacceptance" column and list only the installed components.
 - 2. System Testing: Comply with "Test Methods" Table in the "Testing" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72.
 - 3. Test audible appliances for the public operating mode according to manufacturer's written instructions. Perform the test using a portable sound-level meter complying with Type 2 requirements in ANSI S1.4.
 - 4. Test audible appliances for the private operating mode according to manufacturer's written instructions.
 - 5. Test visible appliances for the public operating mode according to manufacturer's written instructions.
 - 6. Factory-authorized service representative shall prepare the "Fire Alarm System Record of Completion" in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter in NFPA 72 and the "Inspection and Testing Form" in the "Records" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72.
- C. Reacceptance Testing: Perform reacceptance testing to verify the proper operation of added or replaced devices and appliances.
- D. Fire-alarm system will be considered defective if it does not pass tests and inspections.
- E. Prepare test and inspection reports.
- F. Maintenance Test and Inspection: Perform tests and inspections listed for weekly, monthly, quarterly, and semiannual periods. Use forms developed for initial tests and inspections.
- G. Annual Test and Inspection: One year after date of Substantial Completion, test fire-alarm system complying with visual and testing inspection requirements in NFPA 72. Use forms developed for initial tests and inspections.

END OF SECTION 283111

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



RYAN M. STONECIPHER
MO # PE-2013000634

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& ASSOCIATES, P.C.

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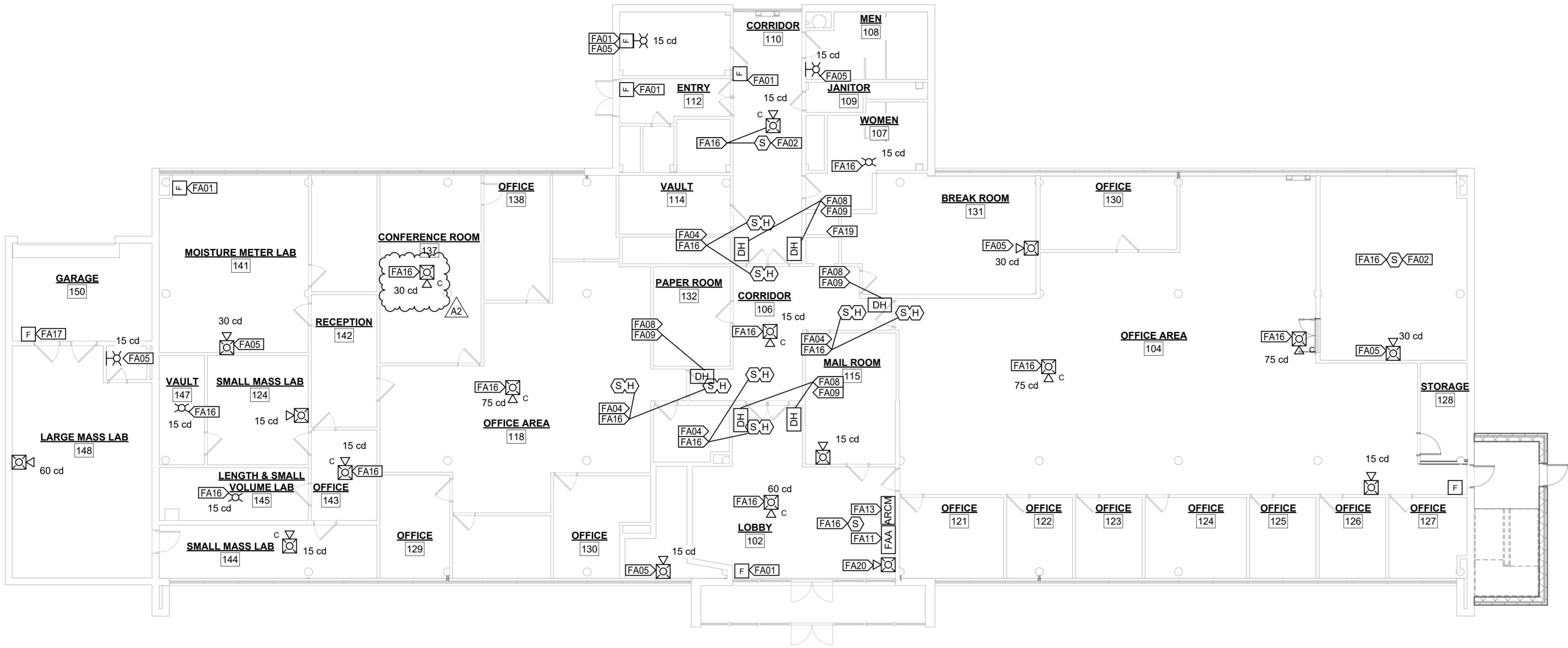
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MISSOURI STATE CERTIFICATE OF AUTHORITY #000866

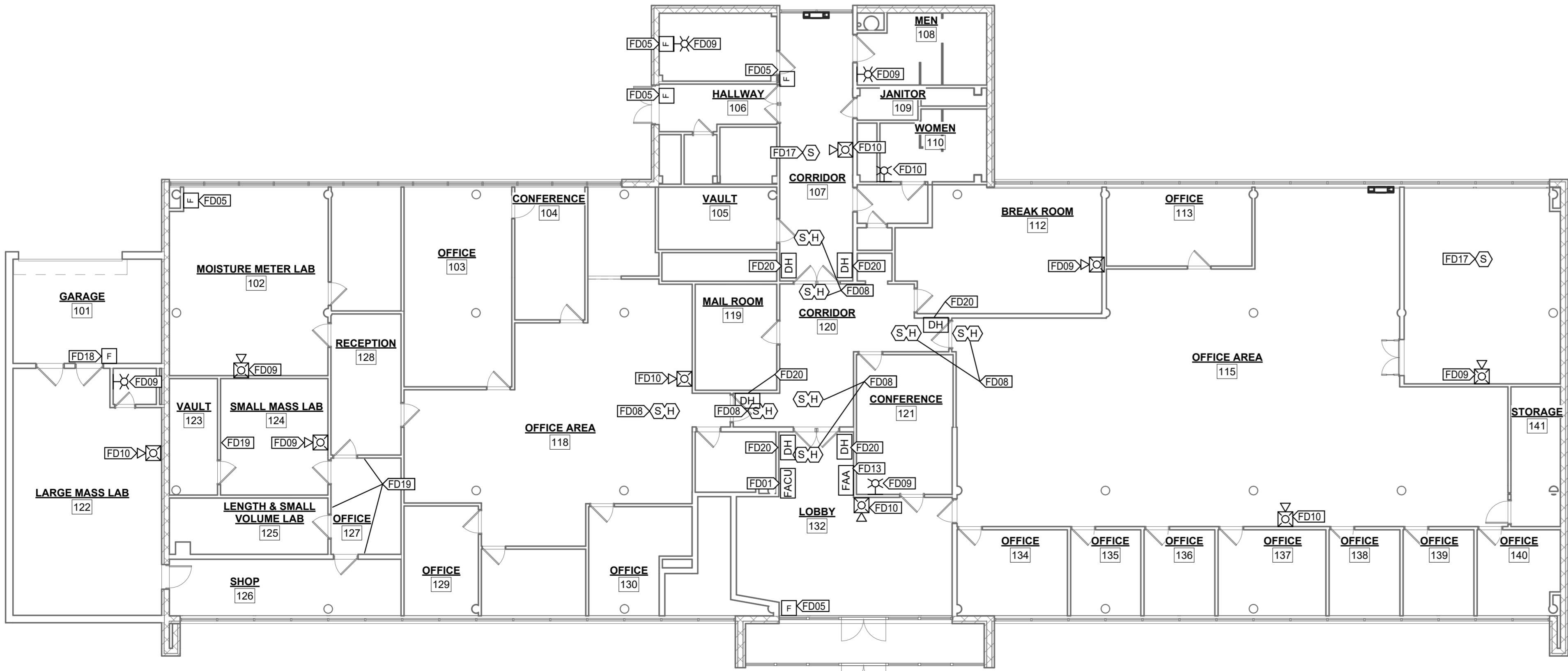
NEW WORK KEYNOTES LEGEND	
VALUE	DESCRIPTION
FA01	PROVIDE AND INSTALL MANUAL FIRE ALARM BOX IN LOCATION OF DEMOLISHED MANUAL FIRE ALARM BOX.
FA02	PROVIDE AND INSTALL SMOKE DETECTOR IN LOCATION OF DEMOLISHED SMOKE DETECTOR.
FA04	PROVIDE AND INSTALL COMBINATION SMOKE/HEAT DETECTOR FOR SMOKE DOOR CONTROL.
FA05	PROVIDE AND INSTALL NEW NOTIFICATION APPLIANCE IN LOCATION OF DEMOLISHED NOTIFICATION APPLIANCE.
FA08	PROVIDE AND INSTALL NEW OUTPUT MODULE IN LOCATION OF DEMOLISHED OUTPUT MODULE.
FA09	CONNECT NEW FIRE ALARM SYSTEM TO EXISTING DOOR HOLDER.
FA11	PROVIDE AND INSTALL NEW FIRE ALARM ANNUNCIATOR.
FA13	PROVIDE AND INSTALL NEW AREA OF REFUGE COMMUNICATION MASTER PANEL ADJACENT TO FIRE ALARM ANNUNCIATOR. PROVIDE AND INSTALL TELEPHONE CABLE FROM AREA OF REFUGE COMMUNICATION MASTER PANEL TO PHONE BOARD IN ROOM BETWEEN BREAK ROOM 131 AND CORRIDOR 110 AND LEAVE 10 FT OF CABLE COILED FOR FINAL TERMINATION AND CONNECTION BY OWNER.
FA16	PROVIDE 4 FT OF EXTRA WIRING, COILED ABOVE CEILING, FOR FUTURE RELOCATION OF CEILING MOUNTED FIRE ALARM DEVICES DUE TO CEILING CHANGES IN SEPARATE PROJECT BY OTHERS.
FA17	PROVIDE AND INSTALL NEW SURFACE-MOUNTED MANUAL FIRE ALARM BOX. ROUTE NEW CONDUIT AND CONDUCTORS UP WALL AND EXTEND TO EXISTING JUNCTION BOX SERVING DEMOLISHED, INACCESSIBLE MANUAL FIRE ALARM BOX.
FA19	ROUTE WIRING BETWEEN FLOORS THROUGH EXISTING DATA CONDUITS IN TELECOMMUNICATIONS CLOSETS IN THIS AREA.
FA20	PROVIDE AND INSTALL NEW STROBE FOR NOTIFICATION OF ALARM, TROUBLE, OR SUPERVISORY SIGNAL FROM WAREHOUSE. THIS DEVICE SHALL BE WHITE INSTEAD OF RED. SHALL NOT BEAR THE LABEL "FIRE", AND SHALL HAVE A PLACARD MOUNTED AT 54" AFF READING: "WAREHOUSE FIRE ALARM SYSTEM". ROUTE WIRING FOR NOTIFICATION APPLIANCE CIRCUIT DOWN INTO BASEMENT, THROUGH EXISTING CONDUIT TO WAREHOUSE, AND CONNECT TO NOTIFICATION APPLIANCE CIRCUIT IN WAREHOUSE.

- GENERAL DEMOLITION NOTES:**
- DEMOLISH ALL SIGNALING LINE CIRCUIT AND NOTIFICATION APPLIANCE CIRCUIT WIRING ASSOCIATED WITH FIRE ALARM SYSTEM BEING DEMOLISHED.
 - FIRE ALARM RACEWAYS AND BOXES MAY REMAIN FOR REUSE WITH NEW FIRE ALARM WIRING.
 - FIRE ALARM RACEWAYS AND BOXES NOT BEING REUSED SHALL BE DEMOLISHED.

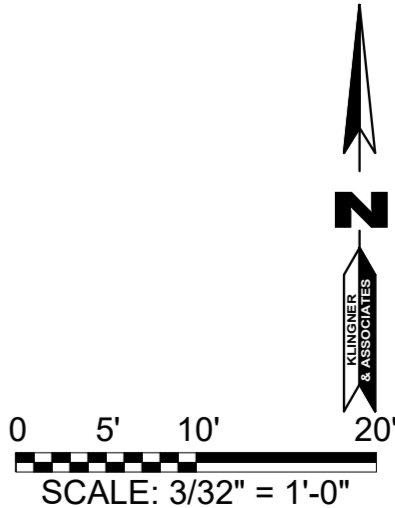
DEMOLITION KEYNOTES LEGEND	
VALUE	DESCRIPTION
FD01	DEMOLISH EXISTING FIRE ALARM CONTROL PANEL. REFER TO PHASING PLAN ON SHEET G002.
FD05	DEMOLISH MANUAL FIRE ALARM BOX. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD08	DEMOLISH COMBINATION SMOKE/HEAT DETECTOR.
FD09	DEMOLISH NOTIFICATION APPLIANCE. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD10	DEMOLISH NOTIFICATION APPLIANCE. PROVIDE AND INSTALL BLANK PLATE TO COVER BOX.
FD13	DEMOLISH FIRE ALARM ANNUNCIATOR PANEL.
FD17	DEMOLISH SMOKE DETECTOR.
FD18	DEMOLISH MANUAL FIRE ALARM BOX. PROVIDE AND INSTALL BLANK PLATE TO COVER BOX.
FD19	CREATE NEW OPENING IN WALL FOR WIRING. REFER TO FIRESTOP DETAILS ON SHEET FA500.
FD20	DEMOLISH DOOR HOLDER OUTPUT MODULE. DOOR HOLDER, BOX AND RACEWAY SHALL REMAIN FOR REUSE.



2 Level 1 Fire Alarm New Work Plan
3/32" = 1'-0"



1 Level 1 Fire Alarm Demo Plan
3/32" = 1'-0"



OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

REPLACE MULTIPLE
ELECTRONIC SYSTEMS

GEORGE WASHINGTON
CARVER STATE OFFICE
BUILDING

1616 MISSOURI BLVD
JEFFERSON CITY, MO 65109

PROJECT # O2427-01
SITE # 1010
ASSET # 3101010001

REVISION: ADDENDUM 2
DATE: 08/11/25
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/17/25

CAD DWG FILE: _____
DRAWING BY: RMS
CHECKED BY: MHB
DESIGNED BY: RMS

SHEET TITLE:
**FIRE ALARM PLANS -
LEVEL 1**

SHEET NUMBER:
FA101

STATE OF MISSOURI
MIKE KEHOE,
GOVERNOR



RYAN M. STONECIPHER
MO # PE-2013000634

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BUILDING

1616 MISSOURI BLVD
JEFFERSON CITY, MO 65109

PROJECT # O2427-01
SITE # 1010
ASSET # 3101010001

REVISION: _ADDENDUM 2
DATE: 08/11/25
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06/17/25

CAD DWG FILE: _____
DRAWING BY: RMS
CHECKED BY: -GCS-
DESIGNED BY: RMS

SHEET TITLE:
**FIRE ALARM PLANS -
WAREHOUSE**

SHEET NUMBER:

FA111

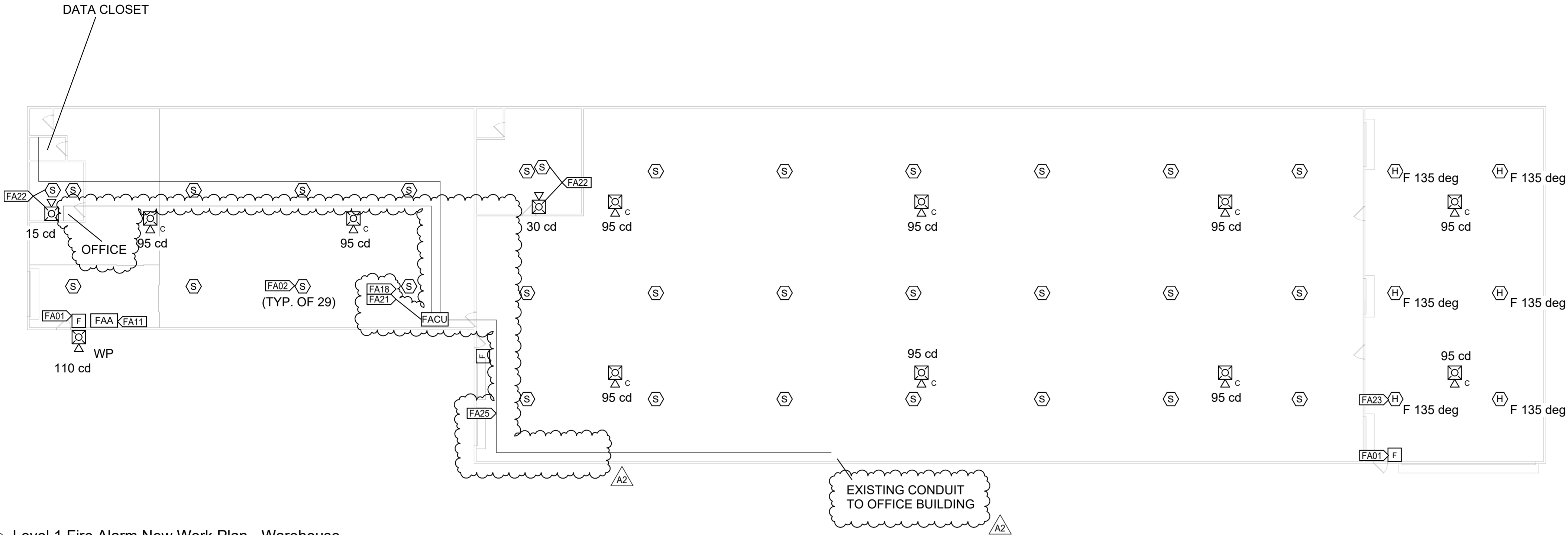
JUNE 17, 2025

NEW WORK KEYNOTES LEGEND	
VALUE	DESCRIPTION
FA01	PROVIDE AND INSTALL MANUAL FIRE ALARM BOX IN LOCATION OF DEMOLISHED MANUAL FIRE ALARM BOX.
FA02	PROVIDE AND INSTALL SMOKE DETECTOR IN LOCATION OF DEMOLISHED SMOKE DETECTOR.
FA11	PROVIDE AND INSTALL NEW FIRE ALARM ANNUNCIATOR.
FA18	NEW DIALER PROVIDED BY CAPITOL POLICE. INSTALLED BY CONTRACTOR. PROVIDE AND INSTALL PLENUM RATED CATSE CABLE IN 1/2" CONDUIT TO DATA CLOSET. PROVIDE AND INSTALL (3) OUTPUT MODULES TO TRANSMIT ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO CAPITOL POLICE CENTRAL STATION MONITORING.
FA21	NEW FIRE ALARM CONTROL PANEL. POWER THROUGH NEW 20-1 BREAKER IN EXISTING 120 V BRANCH CIRCUIT PANEL ON SOUTH WALL OF OFFICE. ROUTE NEW WIRING FOR SIGNALING LINE CIRCUITS AND NOTIFICATION APPLIANCE CIRCUITS UP WALL TO STRUCTURE ABOVE IN CONDUIT.
FA22	PROVIDE AND INSTALL NEW SMOKE DETECTOR AND HORN/STROBE IN OFFICE. ROUTE WIRING UP TO ROOF STRUCTURE ABOVE IN CONDUIT.
FA23	PROVIDE AND INSTALL NEW HEAT DETECTOR IN LOCATION OF DEMOLISHED HEAD DETECTOR.
GENERAL NEW WORK NOTES: 2" CONDUIT TO EXISTING CONDUIT WITH NOTIFICATION (APPLIANCE CIRCUIT TO REMOVE STROBE IN OFFICE BUILDING.	

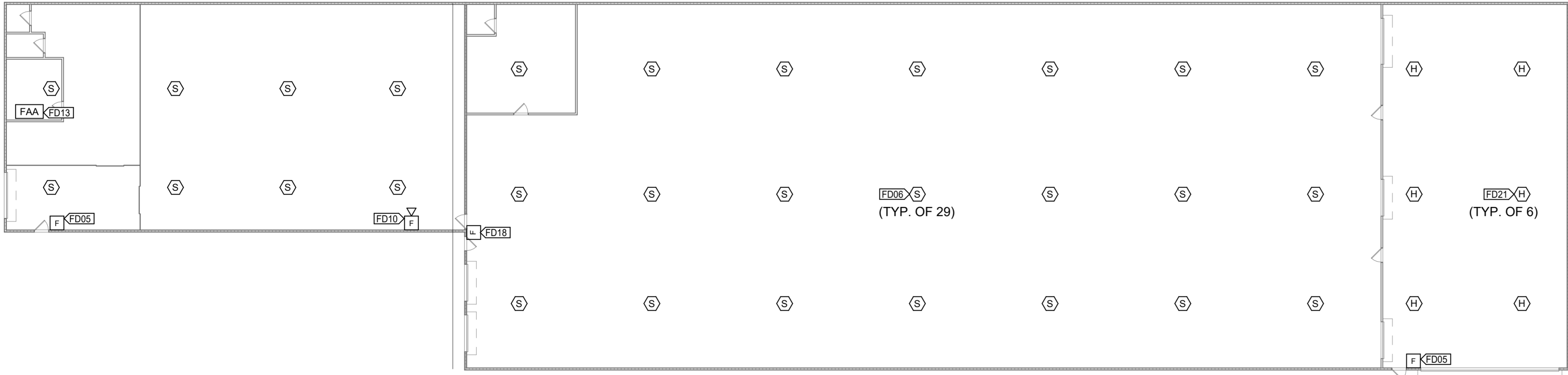
1. NEW NOTIFICATION APPLIANCES IN OPEN WAREHOUSE AREAS AND NEW RACEWAYS FOR ALL SIGNALING LINE CIRCUIT AND NOTIFICATION APPLIANCE CIRCUIT WIRING SHALL BE SURFACE MOUNTED TO THE BOTTOM OF THE EXISTING STRUCTURAL ROOF MEMBERS.
2. DURING CONSTRUCTION THE CONTRACTOR MUST PERFORM FIRE WATCH IN THE WAREHOUSE WHENEVER FIRE ALARM SYSTEMS ARE INACTIVE. THE CONTRACTOR MAY USE A COMBINATION OF THE NEW AND EXISTING SYSTEMS AND TEMPORARY WIRING AS NEEDED TO MINIMIZE SYSTEM DOWNTIME DURING UNOCCUPIED PERIODS.

- GENERAL DEMOLITION NOTES:**
1. DEMOLISH ALL SIGNALING LINE CIRCUIT AND NOTIFICATION APPLIANCE CIRCUIT WIRING ASSOCIATED WITH FIRE ALARM SYSTEM BEING DEMOLISHED.
2. FIRE ALARM RACEWAYS AND BOXES MAY REMAIN FOR REUSE WITH NEW FIRE ALARM WIRING.
3. FIRE ALARM RACEWAYS AND BOXES NOT BEING REUSED SHALL BE DEMOLISHED.

DEMOLITION KEYNOTES LEGEND	
VALUE	DESCRIPTION
FD05	DEMOLISH MANUAL FIRE ALARM BOX. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD06	DEMOLISH SMOKE DETECTOR. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD10	DEMOLISH NOTIFICATION APPLIANCE. PROVIDE AND INSTALL BLANK PLATE TO COVER BOX.
FD13	DEMOLISH FIRE ALARM ANNUNCIATOR PANEL.
FD18	DEMOLISH MANUAL FIRE ALARM BOX. PROVIDE AND INSTALL BLANK PLATE TO COVER BOX.
FD21	DEMOLISH HEAT DETECTOR. BOX AND RACEWAY SHALL REMAIN FOR REUSE.





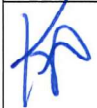
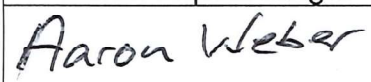
2 Level 1 Fire Alarm New Work Plan - Warehouse
1/16" = 1'-0"



1 Level 1 Fire Alarm Demo Plan - Warehouse
1/16" = 1'-0"

**Pre-Bid Meeting Attendance Sheet
Electrical System/Fire Alarm
George Washington Carver-State Office Bldg.
Jefferson City, Missouri**

**Project No. O2427-01
August 1, 2025, 10:00AM**

Name & Title	Company Name & Type of Contracting	MBE/WBE/SDVE Status	Phone	E-Mail Address of Attendee & E-Mail Address of Individual filling out Bid Documents
 Fred L. Decker Jr. Project Manager	OA-FMDC		573-751-8521	fred.decker@oa.mo.gov
 Ryan M. Stonecipher Engineer	Klinger & Assoc., P. C.		573-355-5988	rstonecipher@klingner.com
Jennifer Hentges	Mo. Dept. Ag.		573-751-1199	Jennifer.Hentges@mda.mo.gov
John Gentges Construction Admin.	OA-FMDC		573-526-5768	John.Gentges@oa.mo.gov
 Keith Arnel Trades Sup./Manager	OA-FMDC		573-508-9867	Keith.Arnel@oa.mo.gov
 Aaron Weber	OA-FMDC		573-508-4247	

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Name & Title	Company Name Type of Contracting	MBE/WBE/ SDVE Status	Phone	E-Mail Address of Attendee and E-Mail Address of Individual filling out Bid Documents
Roger Simpson	LUMIX Electrical		573-220-2232	rsimpson@lunixelectrical.com
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Brandon Korsmeyer Estimator	Korsmeyer Fire Protection		(573) 619-7994	brandonk@korsmeyerfire.com
Ashton Kramme	Prost Builders		573-508-8919	estimating@prostbuilders.com
Craig Linhardt	Meyer Electric		573-843-2335	craig@meyerelectric.net