

HARRY S. TRUMAN STATE OFFICE BUILDING FIRE ALARM AND SMOKE DETECTION REPLACEMENT PROJECT JEFFERSON CITY, MO 65102

OWNER: STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

DEPARTMENT OF
OFFICE OF ADMINISTRATION

**PROJECT
MANAGEMENT:** OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN, AND CONSTRUCTION

ENGINEER OF RECORD:



SUB-CONSULTANT:



PROJECT NUMBER: O2001-01

SITE NUMBER: 1001
FACILITY NUMBER: 3101001050

ISSUE: BID DOCUMENTS

DATE: MARCH 22, 2024

DRAWING INDEX

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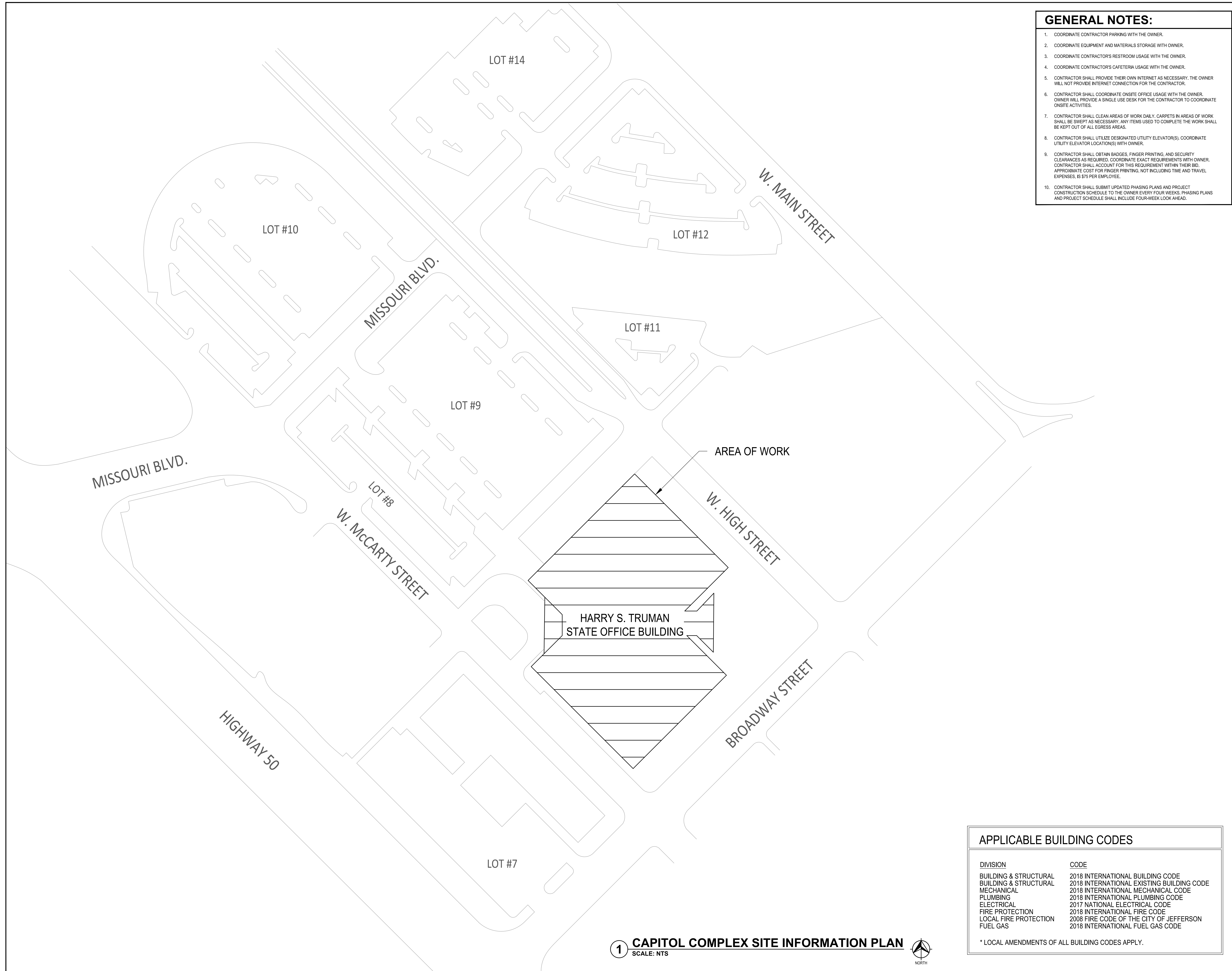
FIRE ALARM SYSTEM

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SHEET DESCRIPTION

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- GENERAL NOTES:**
1. COORDINATE CONTRACTOR PARKING WITH THE OWNER.
 2. COORDINATE EQUIPMENT AND MATERIALS STORAGE WITH OWNER.
 3. COORDINATE CONTRACTOR'S RESTROOM USAGE WITH THE OWNER.
 4. COORDINATE CONTRACTOR'S CAFETERIA USAGE WITH THE OWNER.
 5. CONTRACTOR SHALL PROVIDE THEIR OWN INTERNET AS NECESSARY. THE OWNER WILL NOT PROVIDE INTERNET CONNECTION FOR THE CONTRACTOR.
 6. CONTRACTOR SHALL COORDINATE ONSITE OFFICE USAGE WITH THE OWNER. OWNER WILL PROVIDE A SINGLE USE DESK FOR THE CONTRACTOR TO COORDINATE ONSITE ACTIVITIES.
 7. CONTRACTOR SHALL CLEAN AREAS OF WORK DAILY. CARPETS IN AREAS OF WORK SHALL BE SWEEPED AS NECESSARY. ANY ITEMS USED TO COMPLETE THE WORK SHALL BE KEPT OUT OF ALL EGRESS AREAS.
 8. CONTRACTOR SHALL UTILIZE DESIGNATED UTILITY ELEVATOR(S). COORDINATE UTILITY ELEVATOR LOCATION(S) WITH OWNER.
 9. CONTRACTOR SHALL OBTAIN BADGES, FINGER PRINTING, AND SECURITY CLEARANCES AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH OWNER. CONTRACTOR SHALL ACCOUNT FOR THIS REQUIREMENT WITHIN THEIR BID. APPROXIMATE COST FOR FINGER PRINTING, NOT INCLUDING TIME AND TRAVEL EXPENSES, IS \$75 PER EMPLOYEE.
 10. CONTRACTOR SHALL SUBMIT UPDATED PHASING PLANS AND PROJECT CONSTRUCTION SCHEDULE TO THE OWNER EVERY FOUR WEEKS. PHASING PLANS AND PROJECT SCHEDULE SHALL INCLUDE FOUR-WEEK LOOK AHEAD.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



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MO CCA 2002050563 - Curtis L. Brungardt, P.E. 2003016698
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DIVISION OF FACILITIES
MANAGEMENT,
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DEPARTMENT OF
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FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
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DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: G002
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
SITE INFORMATION

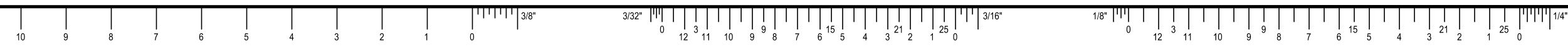
SHEET NUMBER:
G002
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APPLICABLE BUILDING CODES

DIVISION	CODE
BUILDING & STRUCTURAL	2018 INTERNATIONAL BUILDING CODE
BUILDING & STRUCTURAL	2018 INTERNATIONAL EXISTING BUILDING CODE
MECHANICAL	2018 INTERNATIONAL MECHANICAL CODE
PLUMBING	2018 INTERNATIONAL PLUMBING CODE
ELECTRICAL	2017 NATIONAL ELECTRICAL CODE
FIRE PROTECTION	2018 INTERNATIONAL FIRE CODE
LOCAL FIRE PROTECTION	2008 FIRE CODE OF THE CITY OF JEFFERSON
FUEL GAS	2018 INTERNATIONAL FUEL GAS CODE

* LOCAL AMENDMENTS OF ALL BUILDING CODES APPLY.

1 CAPITOL COMPLEX SITE INFORMATION PLAN
SCALE: NTS





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PROFESSIONAL NUMBER: 2003016693
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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
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DATE: _____
ISSUE DATE: 03/22/2024
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CAD DWG FILE: G003
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
PHASING
INFORMATION

SHEET NUMBER:

G003

03 OF 53 SHEETS

GENERAL PHASING NOTES:

- THE CURRENT BUILDING IS A FULLY OPERATIONAL BUILDING AND A MAJORITY OF THE OCCUPANTS ARE IN THE BUILDING BETWEEN THE HOURS OF 7AM - 6PM. AFTER HOURS WORK ALSO OCCURS IN THE BUILDING. THIS MAKING THE BUILDING A 24HR/7DAYS OPERATIONAL BUILDING. CONTRACTOR SHALL ASSUME IN THEIR BID THAT WORK IN SOME AREAS MIGHT BE RESTRICTED AT TIMES DUE TO NORMAL BUILDING OPERATIONS. THE FACILITY WILL DO THEIR BEST TO ACCOMMODATE ALL WORK BASED ON CONTRACTOR'S FOUR-WEEK LOOK AHEAD SCHEDULE AND PHASING PLANS.
- FOR THIS PROJECT, A MAJORITY OF THE WORK IS INTENDED TO OCCUR DURING NORMAL WORK HOURS. HOWEVER, SOME CUT-OVERS AND TESTING WILL NEED TO OCCUR OFF HOURS. THE CONTRACTOR SHALL ASSUME THE FOLLOWING TASKS WILL BE COMPLETED AFTER HOURS:
 - REPLACEMENT OF THE EXISTING FIRE ALARM PANELS AND INSTALLATION OF THE NEW PANELS. THIS WILL INCLUDE THE FIRE ALARM PANEL IN THE MAIN FIRE ALARM ROOM AND THE PANEL NEAR THE CAPITAL POLICE ROOM.
 - INTERCONNECTION BETWEEN THE FIRE ALARM PANEL IN THE DATA CENTER AND THE NEW FIRE ALARM SYSTEM.
 - ACCOUNT FOR WORK IN TWO SUITES TO BE DONE AFTER HOURS. THOSE SUITES TO BE DETERMINED.
 - ALL COMMISSIONING SERVICES, START-UP, AND MISCELLANEOUS SPOT TESTING.
 - TESTING WITH THE MANUFACTURER, TESTING WITH ENGINEER, TESTING WITH FACILITIES, AND TESTING WITH FIRE DEPARTMENT. TESTING INTERCONNECTION OF THE SMOKE EVACUATION SYSTEM.
- THE BUILDING IS CURRENTLY PROTECTED BY A ZONED FIRE ALARM SYSTEM. THIS SYSTEM SHALL REMAIN IN PLACE AND OPERATIONAL DURING THE INSTALLATION OF THE NEW FIRE ALARM SYSTEM.
- ALL AREAS SHALL BE PROVIDED WITH AN OPERATING FIRE ALARM SYSTEM. DURING WORK HOURS, THE CONTRACTOR CAN BE PART OF THE NOTIFICATION SYSTEM. BUT AT THE END OF EACH WORK DAY, THE FIRE ALARM SYSTEM ON ALL FLOORS SHALL BE OPERATIONAL VIA AUTOMATIC MEANS.
- ALL WORK SHALL BE COORDINATED WITH THE OWNER AND ENGINEER. AN UPDATED WORK SCHEDULE SHALL BE PRESENTED TO THE OWNER EVERY FOUR WEEKS. THAT UPDATED SCHEDULE SHALL INDICATE WHERE AND WHAT WORK WILL OCCUR. THIS SCHEDULE SHALL BE ORGANIZED IN A MANNER WHERE THE OWNER IS AWARE OF WORK TO BE COMPLETED IN A PARTICULAR AREA WITH A FOUR WEEK NOTIFICATION. THESE AREAS MIGHT NEED TO BE ADJUSTED BASED ON TASK. THE OWNER SHALL PROVIDE AN AREA FOR THE CONTRACTOR TO WORK IN AT ALL TIMES, BUT THOSE AREAS MIGHT REQUIRE RESTAGING OF WORK EFFORTS.
- CONTRACTOR SHALL DISTRIBUTE THE FOUR-WEEK LOOK AHEAD IN A MANNER THAT CAN BE DISTRIBUTED TO CAPITAL POLICE AND THE LOCAL FIRE DEPARTMENT. THE FOUR-WEEK LOOK AHEAD SHALL INCLUDE THE TASK TO BE COMPLETED, A MAP OF THE AREAS WHERE WORK WILL OCCUR, ANTICIPATED DISRUPTIONS TO BUILDING OCCUPANTS, LOUD WORK, AND ANTICIPATED AREAS THAT MIGHT LACK FIRE ALARM COVERAGE DURING THE DAY AND/OR AFTER HOURS. THE FIRST FOUR-WEEK LOOK AHEAD SHALL BE SUBMITTED TO THE OWNER/ENGINEER FOR APPROVAL, AND THEN MODIFIED AS REQUESTED. ONCE A TEMPLATE HAS BEEN ESTABLISHED, IT SHALL BE USED FOR THE REMAINDER OF THE PROJECT.
- CONTRACTOR SHALL PROVIDE PROPER VENTILATION IN ALL AREAS WHERE NEW WORK MIGHT CAUSE EXCESSIVE DUST. THIS COULD INCLUDE PARTITIONS TO BE CONSTRUCTED AND EXHAUST FANS TO BE OPERATING.
- REFER TO SPECIFICATION SECTION 013513 AS IT RELATES TO ASBESTOS EVALUATION.
- CONTRACTOR SHALL INSTALL PROTECTIONS FOR FLOORS, WALLS, CEILINGS, EQUIPMENT, AND WORK SURFACES. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM WORK.
- ANY CORE DRILLING OR HAMMER DRILLING DEBRIS OR DUST SHALL BE CLEANED UP IMMEDIATELY AFTER THE TASK IS COMPLETE.
- LOUD OR DISTRACTING CONSTRUCTION WORK MAY BE REQUIRED TO BE POSTPONED IN SOME AREAS TO ACCOMMODATE THE OCCUPANTS, WITH NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL MAKE ALL EFFORTS TO ISOLATE OCCUPANTS IN THE BUILDING FROM CONSTRUCTION DEBRIS. CONTRACTOR SHALL INSTALL PLASTIC BARRIERS, PROTECTION TAPE, CONES, SIGNS, AND OTHER BARRIERS AS REQUIRED BY THE OWNER.
- AT THE END OF EACH SHIFT, ALL CONSTRUCTION MESSSES SHALL BE CLEANED. THIS SHALL INCLUDE VACUUMING CARPETS, WIPING DOWN WALLS, AND SWEEPING UP MESSSES. WHERE WORK MESS AND CLUTTER BECOMES AN ISSUE, THE OWNER WILL REQUIRE SKILLED WORK TO STOP UNTIL MESS AND CLUTTER ARE CLEANED/ORGANIZED. THIS STOP OF WORK WILL BE REQUIRED WITH NO ADDITIONAL COST TO THE OWNER. ABUSES OF LEAVING MESSSES AND CLUTTER IN AREAS WILL NOT BE TOLERATED ON THIS PROJECT. THE CONTRACTOR SHALL ASSUME DAILY CLEANING IN THEIR BID, AS THIS ITEM WILL BE STRICTLY ENFORCED ON THIS PROJECT.

PHASING GUIDELINES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE PHASING FOR THE PROJECT USING THE GUIDELINES NOTED BELOW.
- CONTRACTOR SHALL PROVIDE A PHASING PLAN IN THEIR PROJECT SCHEDULE SUBMITTED AFTER BIDDING AND BEFORE WORK BEGINS. THIS PHASING PLAN SHALL ILLUSTRATE THE PROPOSED WORK AREAS (USING HIGHLIGHTED FLOOR PLANS AND SCHEDULES) AND TIME FRAMES REQUIRED FOR EACH WORK AREA. THAT PLAN SHALL BE ISSUED AS A SUBMITTAL TO THE ENGINEER AND OWNER, AND WILL BE REVIEWED BY THE ENGINEER AND OWNER. MODIFICATIONS WILL LIKELY BE MADE, AND THE PLAN WILL NEED TO BE UPDATED AND RESUBMITTED BASED ON COMMENTS. THE OWNER SHALL PROVIDE WORK AREAS AT ALL TIMES FOR THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.
- IDENTIFY AFTER-HOURS WORK AS SOON AS POSSIBLE, SO THAT THE OWNER WILL BE ABLE TO PROVIDE COVERAGE FOR THOSE HOURS. NO AFTER-HOURS WORK WILL BE ALLOWED WITHOUT 14 DAYS ADVANCE NOTICE.
- THE INTENT IS THAT THE CONTRACTOR WILL WORK ON EACH FLOORING SEPARATELY AND WORK WILL BE NEARLY COMPLETE ON THAT FLOORING PRIOR TO MOVING TO THE NEXT FLOOR. THE VERTICAL COMPONENTS OF THE PROJECT WILL OCCUR THE ENTIRE DURATION OF THE PROJECT, BUT SHALL BE LIMITED TO MECHANICAL/ELECTRICAL/JANITORIAL SPACES WHERE POSSIBLE. A VERTICAL ROUTE HAS NOT BEEN DETERMINED, NOR SHOWN IN THE PLANS, AND WILL HAVE TO BE COORDINATED IN THE FIELD. VERTICAL ROUTING SHALL BE COORDINATED AND REPRESENTED WITH SHOP DRAWING SUBMITTALS. DETERMINE EXACT ROUTING IN THE FIELD AND DEPICT ON SHOP DRAWING PLANS.
- SOME WORK AREAS MIGHT NOT BE ABLE TO BE COMPLETED PER THE CONTRACTOR'S PHASING PLANS AND SCHEDULE. WHERE THAT CONDITION OCCURS, THE CONTRACTOR SHALL PROPOSE ANOTHER LOCATION FOR WORK WITHIN THAT PHASE. CHANGES REQUIRED SHALL NOT ADD ANY ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL ASSUME IN THEIR BID, THAT WORK AREAS MIGHT NEED TO SHIFT FROM ONE AREA TO ANOTHER BASED ON THE OWNER'S OPERATING NEEDS. ANY RE-MOBILIZATION COST SHALL BE AT THE CONTRACTOR'S EXPENSE. THE INTENT IS TO KEEP THIS AT A MINIMUM, BUT CONTRACTOR SHALL ASSUME THERE WILL BE SOME CHANGES IN THE ALLOWED WORK AREAS.
- AS THE PROJECT PROGRESSES, THE CONTRACTOR IS LIKELY TO EXPERIENCE MODIFICATIONS TO THE ORIGINAL PHASING PLAN DUE TO WORK DISCOVERIES OR OWNER'S OPERATION. AS SUCH, THE CONTRACTOR SHALL UPDATE PHASING PLANS AND WORK SCHEDULES AT FOUR WEEK INTERVALS.
- THE CONTRACTOR, ENGINEER, AND OWNER'S REPRESENTATIVES SHALL REVIEW CONSTRUCTION PROGRESS AT FOUR-WEEK INTERVALS. DURING THOSE MEETINGS, THE CONTRACTOR SHALL PROVIDE UPDATED PHASING PLANS AND SCHEDULES FOR THE PROJECT TO THE ENTIRE TEAM. SHOULD THE OWNER DETERMINE THAT WORK CANNOT PROCEED IN SOME AREAS, THOSE PHASING PLANS AND SCHEDULES SHALL BE UPDATED AND REISSUED TO THE TEAM WITHIN 72 HOURS.
- SOME AREAS OF WORK ARE TO BE COMPLETED IN SENSITIVE AND CONFIDENTIAL AREAS. THOSE AREAS WILL BE IDENTIFIED TO THE CONTRACTOR AT THE BEGINNING OF THE PROJECT. WHERE WORK IS DONE IN THOSE AREAS, ALL WORKERS WILL BE RESPONSIBLE FOR SIGNING AND AGREEING TO A NON-DISCLOSURE AGREEMENT (NDA). NO CONTRACTOR SHALL BE IN SUCH AREAS WITHOUT SIGNING AND AGREEING TO THE TERMS AND CONDITIONS OF THE NDA.
- AN EXAMPLE PHASING PLAN IS SHOWN ON THIS SHEET FOR REFERENCE. PROVIDE SOMETHING SIMILAR FOR REVIEW. ELECTRONIC FLOOR PLANS WILL BE MADE AVAILABLE TO THE CONTRACTOR.

SCHEDULE OF TASKS

WEEK 1: (8/5/2024 - 8/19/2024)

TASKS:

- STAGE ALL EQUIPMENT IN THE AREA FOR DEMOLITION AND NEW WORK.
- REMOVE CEILING TILES IN THE AREA OF WORK. LABEL AND STACK TILES SO THEY ARE RETURNED TO THE SAME LOCATION.
- DISCONNECT AND REMOVE ALL EXISTING FIRE ALARM DEVICES IN THE AREA.
- REMOVE ALL EXISTING FIRE ALARM AND CONDUIT NOT REQUIRED TO REMAIN.

WEEK 2: (8/12/2023 - 8/16/2024)

TASKS:

- INSTALL ALL NEW BACK BOXES FOR NEW FIRE ALARM EQUIPMENT.
- DETERMINE CONDUIT ROUTING AND INSTALL ALL HANGERS AND SUPPORTS FOR CONDUIT.
- INSTALL FIRE ALARM CONDUIT AND JUNCTION BOXES FOR NEW FIRE ALARM DEVICES.

WEEK 3: (8/19/2023 - 8/23/2024)

TASKS:

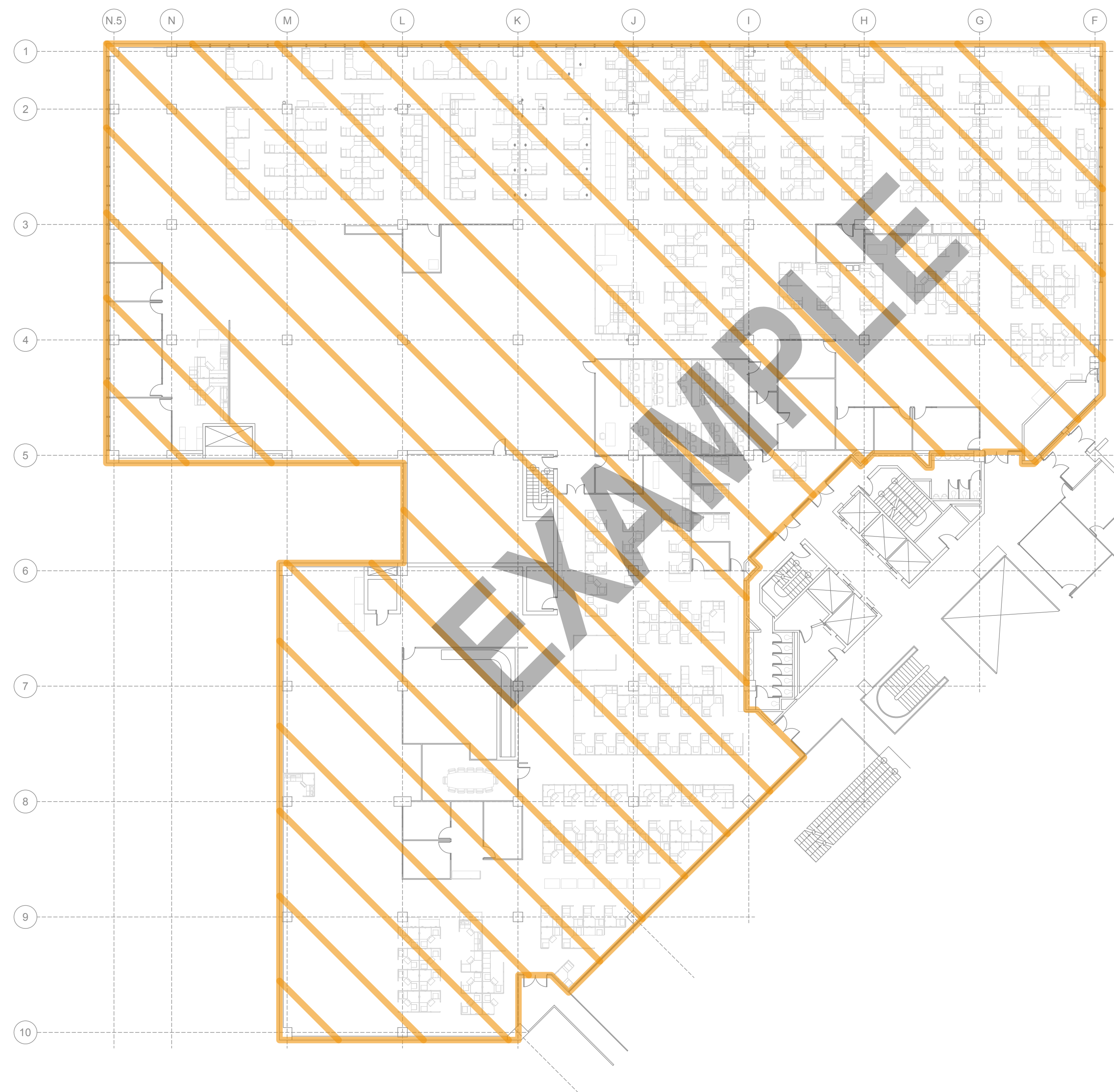
- INSTALL ALL HANGERS AND SUPPORTS FOR CONDUIT.
- INSTALL FIRE ALARM CONDUIT AND JUNCTION BOXES FOR NEW FIRE ALARM DEVICES.

WEEK 4: (8/26/2023 - 8/30/2024)

TASKS:

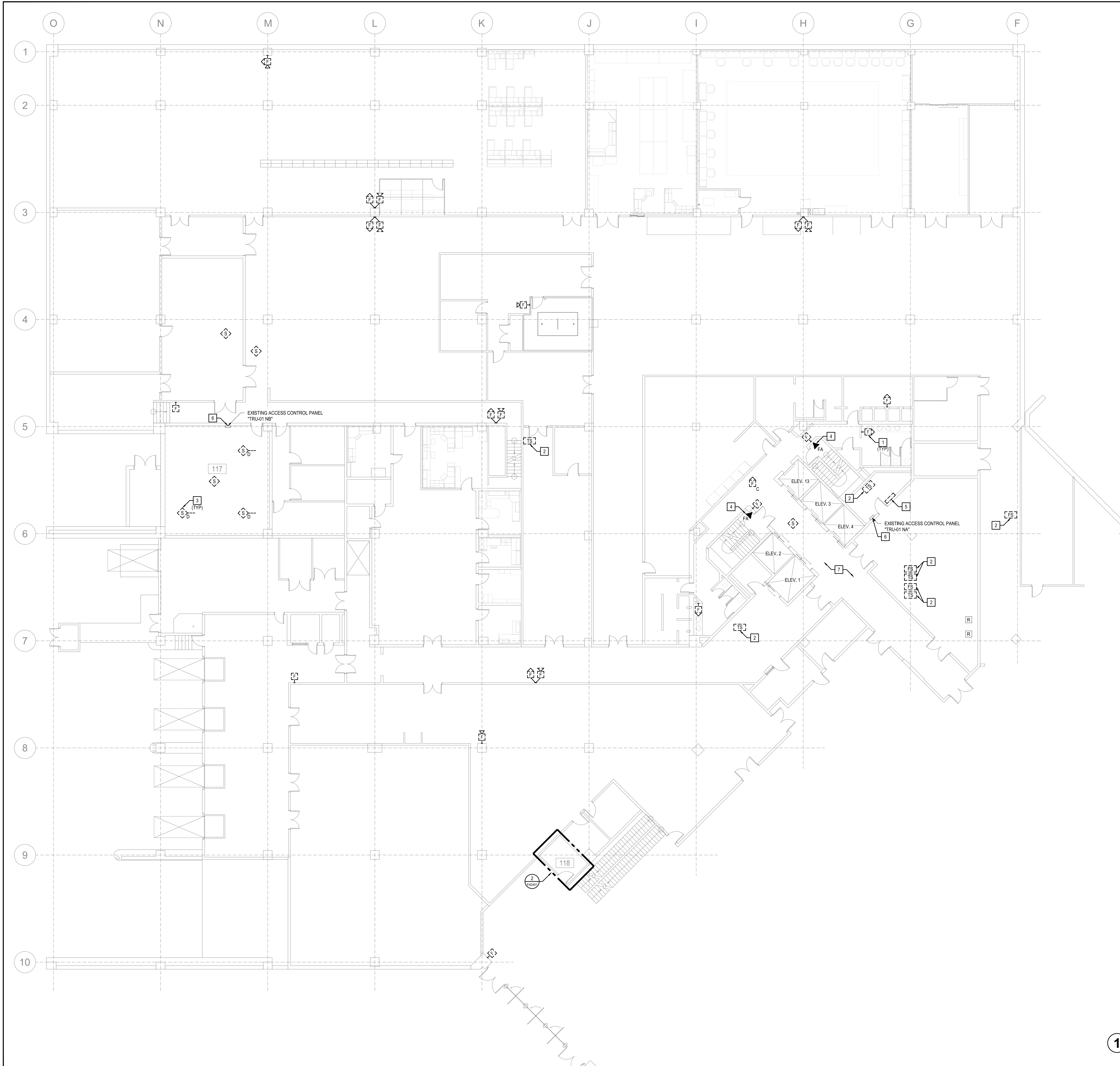
- COMPLETE ALL CONDUIT INSTALLATIONS.
- INSTALL ALL CONDUCTORS AND MAKE CONNECTIONS TO ALL DEVICES.
- TEST OUT ALL CONDUCTORS IN THE AREA.
- LABEL ALL CONDUCTORS.
- INSTALL ALL NEW FIRE ALARM DEVICES AND PROGRAM.
- LABEL ALL CONDUCTORS, CONDUIT, AND JUNCTION BOXES.

- HATCHING INDICATES THE AREAS TO BE AFFECTED AS A PART OF THIS WORK PHASE.



1 EXAMPLE PROJECT PHASING PLAN (LEVEL 3 PHASING PLAN)





GENERAL NOTES:

1. REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
2. ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
3. CONTRACTOR SHALL ATTEMPT TO SALVAGE ALL EXISTING CONDUIT AND REUSE WHERE POSSIBLE. ALL EXISTING CONDUIT NOT PROPERLY SUPPORTED, NOT CODE COMPLIANT, OR NOT COMPLIANT WITH THE SPECIFICATIONS SHALL BE REWORKED AS REQUIRED.
4. ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY. THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS.

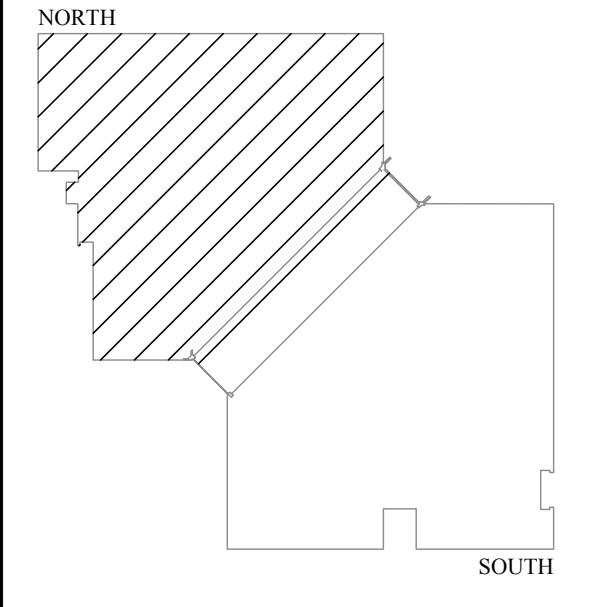
KEYED NOTES:

1. EXISTING FIRE ALARM DEVICE TO BE REMOVED. WHERE REMOVAL IMPACTS EXISTING WALLS, CEILING TILES, OR OTHER ARCHITECTURAL ELEMENTS, THOSE ELEMENTS SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. THOSE REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, NEW CEILING TILES, WALL REPAIRS, PAINTING, ETC. WHERE A SINGLE GANG BOX REMAINS IN A WALL, AND ONLY A WALL, A BLANK COVER PLATE CAN BE PLACED OVER THAT SINGLE GANG BOX TO MATCH EXISTING WALL PLATES IN THE AREA. ANYTHING OTHER THAN A SINGLE GANG BOX WILL REQUIRE REMOVAL AND REPAIR OF THE ARCHITECTURAL ELEMENT.
2. EXISTING FLOW SWITCH AND TAMPER SWITCH SHALL BE REMOVED AND REPLACED. COORDINATE REMOVAL AND REPLACEMENT WITH THE SPRINKLER MANUFACTURER, INSTALLER, OR SERVICE REPRESENTATIVE.
3. EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED WITH NEW. COORDINATE REMOVAL AND REINSTALLATION WITH THE UNIT MANUFACTURER.
4. EXISTING FIREMAN PHONE SYSTEM TO BE ABANDONED IN PLACE. EXISTING BACKBOXES BEHIND EITHER JACKS OR PHONES SHALL BE ABANDONED IN PLACE. WHERE A JACK IS LOCATED, REMOVE THE JACK AND PROVIDE A BLANK WALL PLATE TO MATCH THE EXISTING COVER PLATES IN THAT AREA. WHERE A PHONE IS LOCATED, REMOVE THE PHONE AND INSTALL A BLANK PLATE WITH A MINIMUM THICKNESS OF 1/8" AND PAINTED TO MATCH THE WALL.
5. EXISTING FIRE ALARM PANEL EQUIPMENT TO BE REMOVED. COORDINATE REMOVAL WITH ALL WORK OCCURRING ON THIS FLOOR. ABANDONED CONDUIT AND WIRING SHALL BE REMOVED IF NOT REQUIRED TO REMAIN.
6. EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
7. CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING. ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 1



KEY PLAN



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MO CCA 200205563 - Curtis L. Brungardt, P.E. 2003016695

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
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CAD DWG FILE: FAD111
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DESIGNED BY: JGR

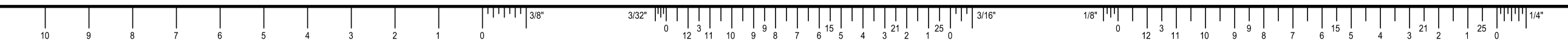
SHEET TITLE:

LEVEL 1
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD111

05 OF 53 SHEETS

**LEVEL 1 FIRE ALARM PLAN -
DEMOLITION (NORTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

- REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
- ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED EXCEPT AS EXPLICITLY STATED OTHERWISE ON THIS SHEET. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN, EXCEPT AS EXPLICITLY STATED OTHERWISE ON THIS SHEET.
- CONTRACTOR SHALL ATTEMPT TO SALVAGE ALL EXISTING CONDUIT AND REUSE WHERE POSSIBLE. ALL EXISTING CONDUIT NOT PROPERLY SUPPORTED, NOT CODE COMPLIANT, OR NOT COMPLIANT WITH THE SPECIFICATIONS SHALL BE REWORKED AS REQUIRED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY. THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS.

KEYED NOTES:

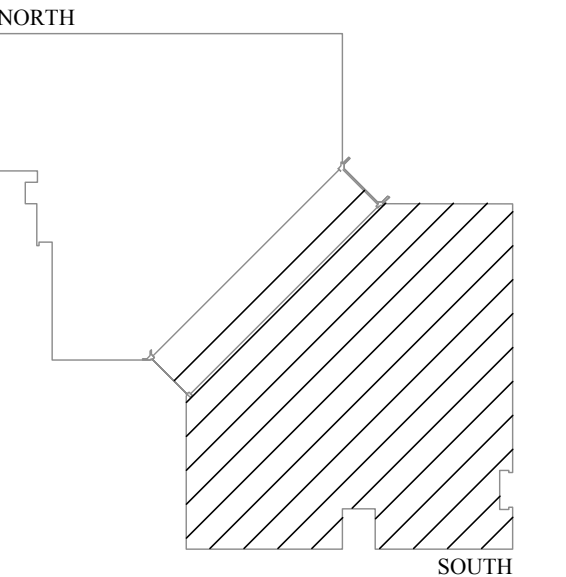
- EXISTING FIRE ALARM DEVICE TO BE REMOVED. WHERE REMOVAL IMPACTS EXISTING WALLS, CEILING TILES, OR OTHER ARCHITECTURAL ELEMENTS, THOSE ELEMENTS SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. THOSE REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, NEW CEILING TILES, WALL REPAIRS, PAINTING, ETC. WHERE A SINGLE GANG BOX REMAINS IN A WALL AND ONLY A WALL, A BLANK COVER PLATE CAN BE PLACED OVER THAT SINGLE GANG BOX TO MATCH EXISTING WALL PLATES IN THE AREA. ANYTHING OTHER THAN A SINGLE GANG BOX WILL REQUIRE REMOVAL AND REPAIR OF THE ARCHITECTURAL ELEMENT.
- EXISTING FLOW SWITCH AND TAMPER SWITCH SHALL BE REMOVED AND REPLACED. COORDINATE REMOVAL AND REPLACEMENT WITH THE SPRINKLER MANUFACTURER, INSTALLER, OR SERVICE REPRESENTATIVE.
- EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED WITH NEW. COORDINATE REMOVAL AND REINSTALLATION WITH THE UNIT MANUFACTURER.
- EXISTING FIREMAN PHONE SYSTEM TO BE ABANDONED IN PLACE. EXISTING BACK-BOXES BEHIND EITHER JACKS OR PHONES SHALL BE ABANDONED IN PLACE. WHERE A JACK IS LOCATED, REMOVE THE JACK AND PROVIDE A BLANK WALL PLATE TO MATCH THE EXISTING COVER PLATES IN THAT AREA. WHERE A PHONE IS LOCATED, REMOVE THE PHONE AND INSTALL A BLANK PLATE WITH A MINIMUM THICKNESS OF 1/8" AND PAINTED TO MATCH THE WALL.
- EXISTING FIRE ALARM PANEL EQUIPMENT TO BE REMOVED. COORDINATE REMOVAL WITH ALL WORK OCCURRING ON THIS FLOOR. ABANDONED CONDUIT AND WIRING SHALL BE REMOVED IF NOT REQUIRED TO REMAIN.
- THE EXISTING FIRE ALARM SYSTEM IN THE DATA CENTER AREA IS TO REMAIN. ALL DEVICES IN THIS AREA ARE SHOWN FOR REFERENCE ONLY. THIS LOCATION HAS A NEWER FIRE ALARM SYSTEM AND DOES NOT NEED TO BE UPDATED AS PART OF THIS PROJECT. THE NEW FIRE ALARM PANEL FOR THE BUILDING SHALL INTERFERE WITH THE DATA CENTER FIRE ALARM SYSTEM. REFER TO NEW WORK PLANS FOR INTERCONNECTION REQUIREMENTS.
- EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING, ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.
- REMOVE EXISTING MAGNETIC DOOR HOLD-OPENS. REMOVE ANY CONDUITS OR CONDUCTORS THAT CANNOT BE REUSED IN NEW WORK. WHERE REMOVAL IMPACTS EXISTING WALLS, CEILING TILES, OR OTHER ARCHITECTURAL ELEMENTS, THOSE ELEMENTS SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.
- DISCONNECT AND REMOVE ALL SMOKE AND HEAT DETECTORS IN THE ELEVATOR PIT(S).

LEVEL 1 FIRE ALARM PLAN - DEMOLITION (SOUTH)
SCALE: 3/32" = 1'-0"

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 1
KEY PLAN



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PROFESSIONAL ENGINEER
M.O. CEA 00305653 - Curtis L. Brungardt, P.E. 00305653

ENGINEER OF RECORD



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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING
JEFFERSON CITY, MO 65102

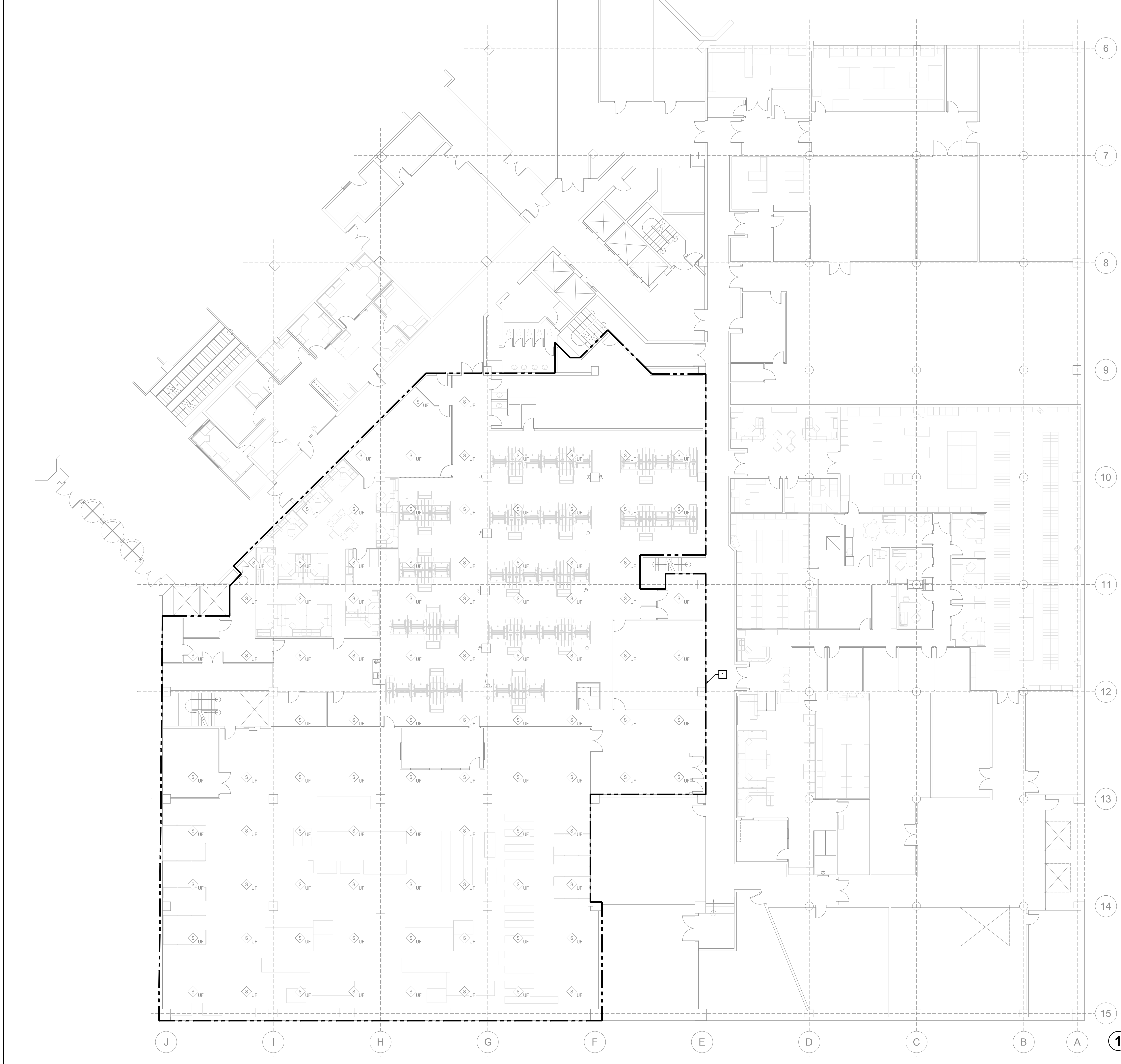
PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD112
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 1
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD112
06 OF 53 SHEETS



GENERAL NOTES:

1. REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
2. ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED EXCEPT AS EXPLICITLY STATED OTHERWISE ON THIS SHEET. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN, EXCEPT AS EXPLICITLY STATED OTHERWISE ON THIS SHEET.
3. CONTRACTOR SHALL ATTEMPT TO SALVAGE ALL EXISTING CONDUIT AND REUSE WHERE POSSIBLE. ALL EXISTING CONDUIT NOT PROPERLY SUPPORTED, NOT CODE COMPLIANT, OR NOT COMPLIANT WITH THE SPECIFICATIONS SHALL BE REWORKED AS REQUIRED.
4. ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY. THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS.

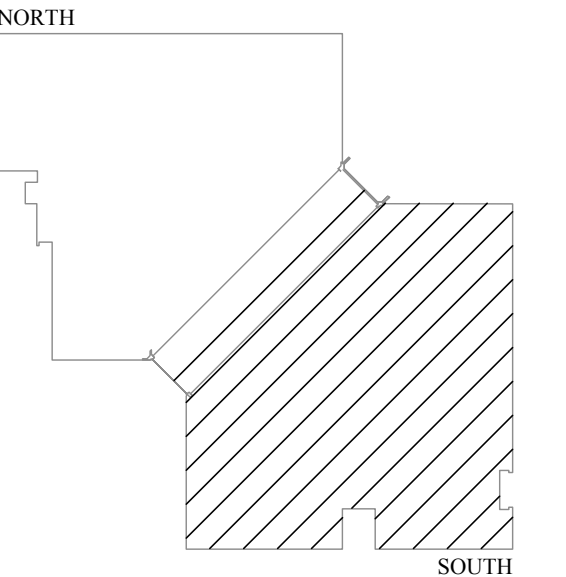
KEYED NOTES:

1. THE EXISTING UNDER-FLOOR FIRE ALARM SYSTEM DEVICES IN THE DATA CENTER AREA ARE TO REMAIN. THIS AREA CONTAINS NEVER FIRE ALARM SYSTEMS AND DOES NOT NEED TO BE UPDATED AS PART OF THIS PROJECT. THE NEW FIRE ALARM PANEL FOR THE BUILDING SHALL INTERFACE WITH THE DATA CENTER FIRE ALARM SYSTEM DEVICES. REFER TO NEW WORK PLANS FOR INTERCONNECTION REQUIREMENTS.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 1



KEY PLAN



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FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD113
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 1
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD113

07 OF 53 SHEETS

**LEVEL 1 FIRE ALARM PLAN -
DEMOLITION
(SOUTH UNDERFLOOR)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

1. REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
2. ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
3. CONTRACTOR SHALL ATTEMPT TO SALVAGE ALL EXISTING CONDUIT AND REUSE WHERE POSSIBLE. ALL EXISTING CONDUIT NOT PROPERLY SUPPORTED, NOT CODE COMPLIANT, OR NOT COMPLIANT WITH THE SPECIFICATIONS SHALL BE REWORKED AS REQUIRED.
4. ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY. THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS.

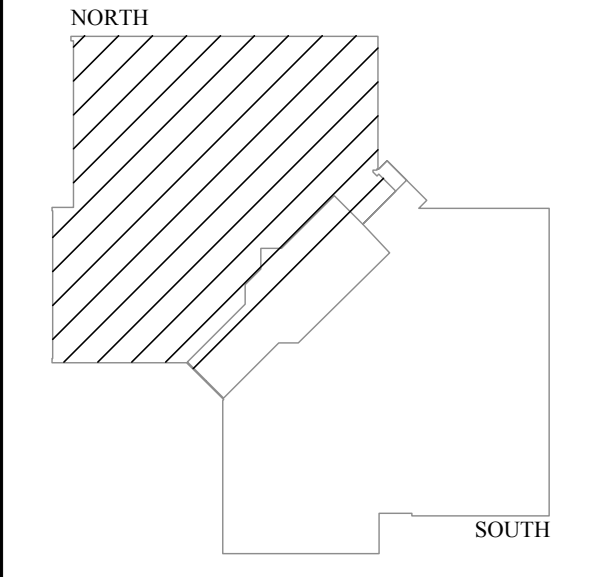
KEYED NOTES:

1. EXISTING FIRE ALARM DEVICE TO BE REMOVED. WHERE REMOVAL IMPACTS EXISTING WALLS, CEILING TILES, OR OTHER ARCHITECTURAL ELEMENTS, THOSE ELEMENTS SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. THOSE REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, NEW CEILING TILES, WALL REPAIRS, PAINTING, ETC. WHERE A SINGLE GANG BOX REMAINS IN A WALL, AND ONLY A WALL, A BLANK COVER PLATE CAN BE PLACED OVER THAT SINGLE GANG BOX TO MATCH EXISTING WALL PLATES IN THE AREA. ANYTHING OTHER THAN A SINGLE GANG BOX WILL REQUIRE REMOVAL AND REPAIR OF THE ARCHITECTURAL ELEMENT.
2. EXISTING FLOW SWITCH AND TAMPER SWITCH SHALL BE REMOVED AND REPLACED. COORDINATE REMOVAL AND REPLACEMENT WITH THE SPRINKLER MANUFACTURER, INSTALLER, OR SERVICE REPRESENTATIVE.
3. EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED WITH NEW. COORDINATE REMOVAL AND REINSTALLATION WITH THE UNIT MANUFACTURER.
4. EXISTING FIREMAN PHONE SYSTEM TO BE ABANDONED IN PLACE. EXISTING BACK-BOXES BEHIND EITHER JACKS OR PHONES SHALL BE ABANDONED IN PLACE. WHERE A JACK IS LOCATED, REMOVE THE JACK AND PROVIDE A BLANK WALL PLATE TO MATCH THE EXISTING COVER PLATES IN THAT AREA. WHERE A PHONE IS LOCATED, REMOVE THE PHONE AND INSTALL A BLANK PLATE WITH A MINIMUM THICKNESS OF 1/8" AND PAINTED TO MATCH THE WALL.
5. EXISTING FIRE ALARM PANEL EQUIPMENT TO BE REMOVED. COORDINATE REMOVAL WITH ALL WORK OCCURRING ON THIS FLOOR. ABANDONED CONDUIT AND WIRING SHALL BE REMOVED IF NOT REQUIRED TO REMAIN.
6. EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
7. CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING. ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
8. EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 2



KEY PLAN



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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING
JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD 121
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 2
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD121
08 OF 53 SHEETS

**LEVEL 2 FIRE ALARM PLAN -
DEMOLITION (NORTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

1. REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
2. ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
3. CONTRACTOR SHALL ATTEMPT TO SALVAGE ALL EXISTING CONDUIT AND REUSE WHERE POSSIBLE. ALL EXISTING CONDUIT NOT PROPERLY SUPPORTED, NOT CODE COMPLIANT, OR NOT COMPLIANT WITH THE SPECIFICATIONS SHALL BE REWORKED AS REQUIRED.
4. ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY. THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS.

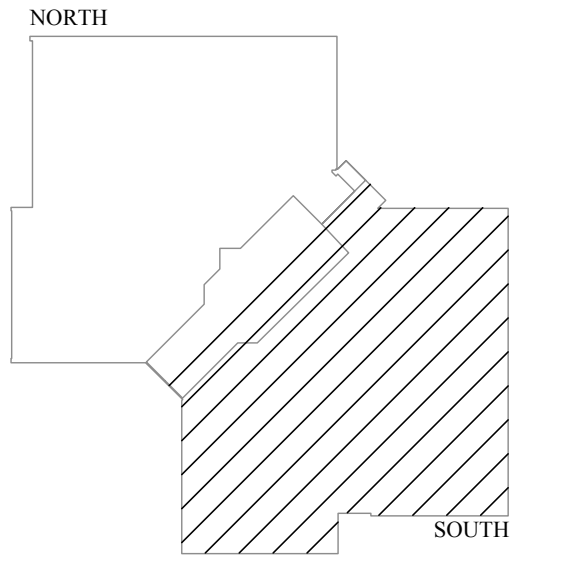
KEYED NOTES:

1. EXISTING FIRE ALARM DEVICE TO BE REMOVED. WHERE REMOVAL IMPACTS EXISTING WALLS, CEILING TILES, OR OTHER ARCHITECTURAL ELEMENTS, THOSE ELEMENTS SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. THOSE REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, NEW CEILING TILES, WALL REPAIRS, PAINTING, ETC. WHERE A SINGLE GANG BOX REMAINS IN A WALL, AND ONLY A WALL, A BLANK COVER PLATE CAN BE PLACED OVER THAT SINGLE GANG BOX TO MATCH EXISTING WALL PLATES IN THE AREA. ANYTHING OTHER THAN A SINGLE GANG BOX WILL REQUIRE REMOVAL AND REPAIR OF THE ARCHITECTURAL ELEMENT.
2. EXISTING FLOW SWITCH AND TAMPER SWITCH SHALL BE REMOVED AND REPLACED. COORDINATE REMOVAL AND REPLACEMENT WITH THE SPRINKLER MANUFACTURER, INSTALLER, OR SERVICE REPRESENTATIVE.
3. EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED WITH NEW. COORDINATE REMOVAL AND REINSTALLATION WITH THE UNIT MANUFACTURER.
4. EXISTING FIREMAN PHONE SYSTEM TO BE ABANDONED IN PLACE. EXISTING BACKBOXES BEHIND EITHER JACKS OR PHONES SHALL BE ABANDONED IN PLACE. WHERE A JACK IS LOCATED, REMOVE THE JACK AND PROVIDE A BLANK WALL PLATE TO MATCH THE EXISTING COVER PLATES IN THAT AREA. WHERE A PHONE IS LOCATED, REMOVE THE PHONE AND INSTALL A BLANK PLATE WITH A MINIMUM THICKNESS OF 1/8" AND PAINTED TO MATCH THE WALL.
5. EXISTING FIRE ALARM PANEL EQUIPMENT TO BE REMOVED. COORDINATE REMOVAL WITH ALL WORK OCCURRING ON THIS FLOOR. ABANDONED CONDUIT AND WIRING SHALL BE REMOVED IF NOT REQUIRED TO REMAIN.
6. EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
7. CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING. ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
8. EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.
9. REMOVE HEAT DETECTOR LOCATED AT THE TOP OF THE ELEVATOR SHAFT.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 2



KEY PLAN



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02 PROJECT NUMBER: 03-0000-01
MO CCA 200200563 - Curtis L. Brungardt, P.E. 2003016693

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FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

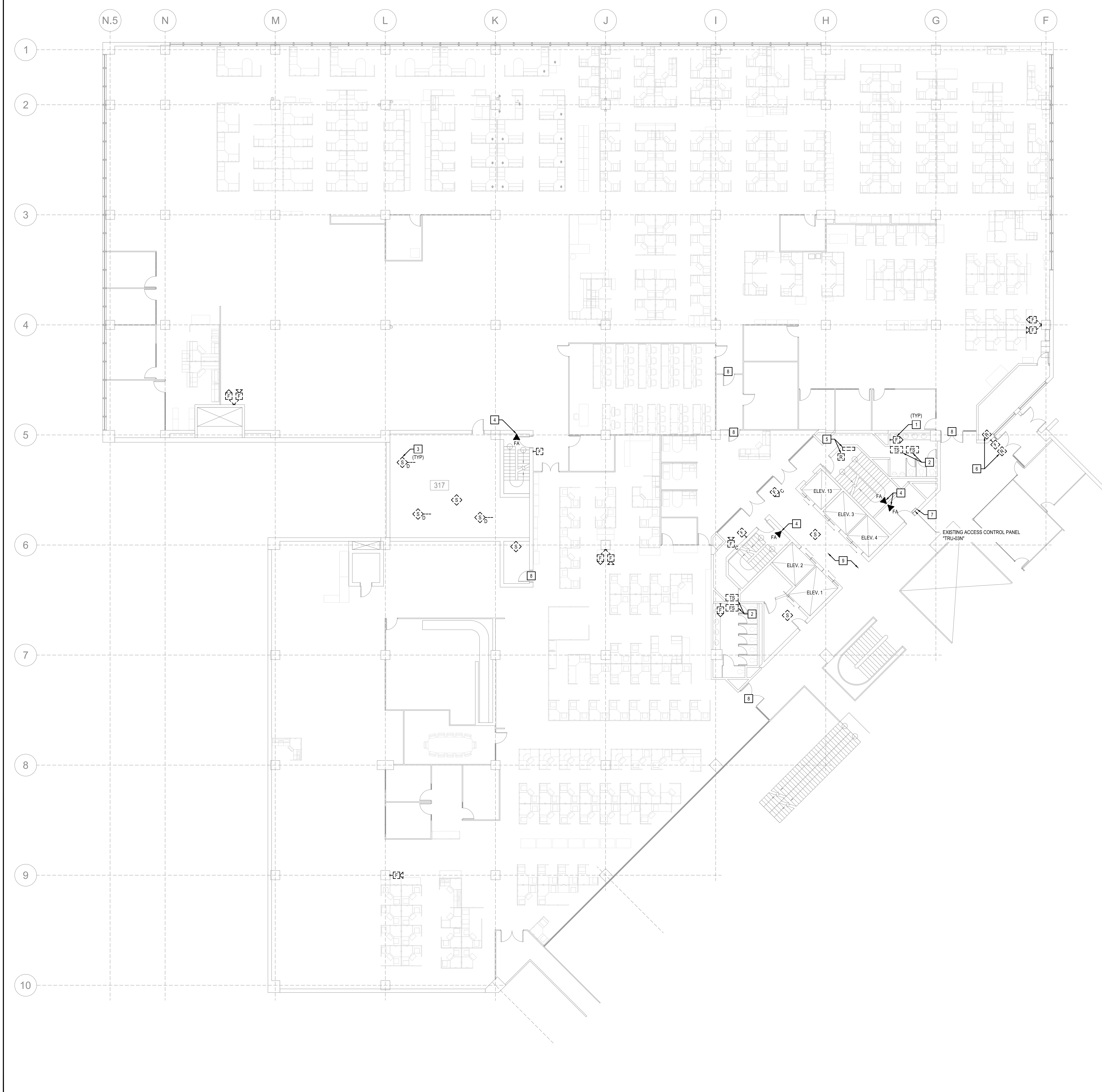
CAD DWG FILE: FAD122
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 2
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD122
09 OF 53 SHEETS

**LEVEL 2 FIRE ALARM PLAN -
DEMOLITION (SOUTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

- REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
- ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
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- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY. THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS.

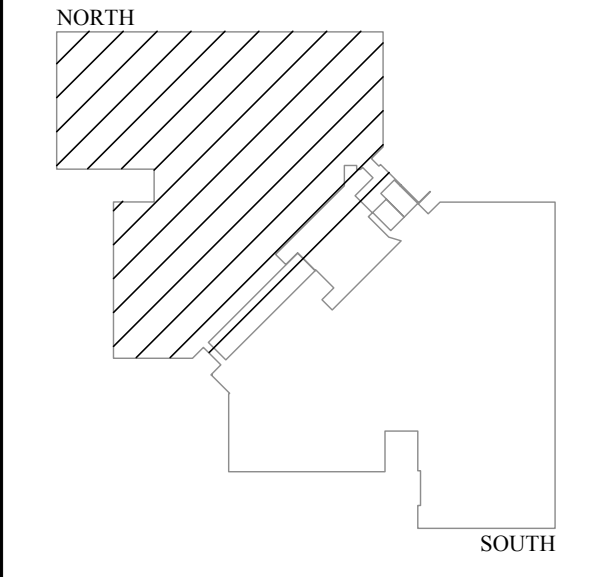
KEYED NOTES:

- EXISTING FIRE ALARM DEVICE TO BE REMOVED. WHERE REMOVAL IMPACTS EXISTING WALLS, CEILING TILES, OR OTHER ARCHITECTURAL ELEMENTS, THOSE ELEMENTS SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. THOSE REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, NEW CEILING TILES, WALL REPAIRS, PAINTING, ETC. WHERE A SINGLE GANG BOX REMAINS IN A WALL, AND ONLY A WALL, A BLANK COVER PLATE CAN BE PLACED OVER THAT SINGLE GANG BOX TO MATCH EXISTING WALL PLATES IN THE AREA. ANYTHING OTHER THAN A SINGLE GANG BOX WILL REQUIRE REMOVAL AND REPAIR OF THE ARCHITECTURAL ELEMENT.
- EXISTING FLOW SWITCH AND TAMPER SWITCH SHALL BE REMOVED AND REPLACED. COORDINATE REMOVAL AND REPLACEMENT WITH THE SPRINKLER MANUFACTURER, INSTALLER, OR SERVICE REPRESENTATIVE.
- EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED WITH NEW. COORDINATE REMOVAL AND REINSTALLATION WITH THE UNIT MANUFACTURER.
- EXISTING FIREMAN PHONE SYSTEM TO BE ABANDONED IN PLACE. EXISTING BACKBOXES BEHIND EITHER JACKS OR PHONES SHALL BE ABANDONED IN PLACE. WHERE A JACK IS LOCATED, REMOVE THE JACK AND PROVIDE A BLANK WALL PLATE TO MATCH THE EXISTING COVER PLATES IN THAT AREA. WHERE A PHONE IS LOCATED, REMOVE THE PHONE AND INSTALL A BLANK PLATE WITH A MINIMUM THICKNESS OF 1/8" AND PAINTED TO MATCH THE WALL.
- EXISTING FIRE ALARM PANEL EQUIPMENT TO BE REMOVED. COORDINATE REMOVAL WITH ALL WORK OCCURRING ON THIS FLOOR. ABANDONED CONDUIT AND WIRING SHALL BE REMOVED IF NOT REQUIRED TO REMAIN.
- EXISTING FIRE ALARM RELAY INTERLOCKED WITH SMOKE EVACUATION SYSTEM AND FIRE ALARM SYSTEM. WHEN THE FIRE ALARM SYSTEM IS IN ALARM, THE EXISTING FRESH AIR DAMPERS AND OCCUPANT DOORS SHALL OPEN. REMOVE THE EXISTING FIRE ALARM CONNECTION, INCLUDING ALL CONDUIT, WIRING, AND TRANSducers FOR INSTALLATION OF NEW.
- EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
- EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILING TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING, ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 3



KEY PLAN



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PROFESSIONAL NUMBER: 034888-0
MO CCA 20230563 - Curtis L. Brungardt, P.E. 200301669

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DEPARTMENT OF
ADMINISTRATION
FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

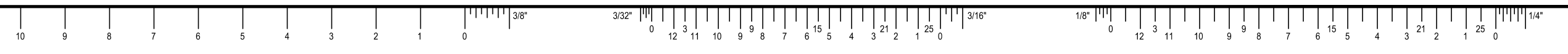
CAD DWG FILE: FAD131
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

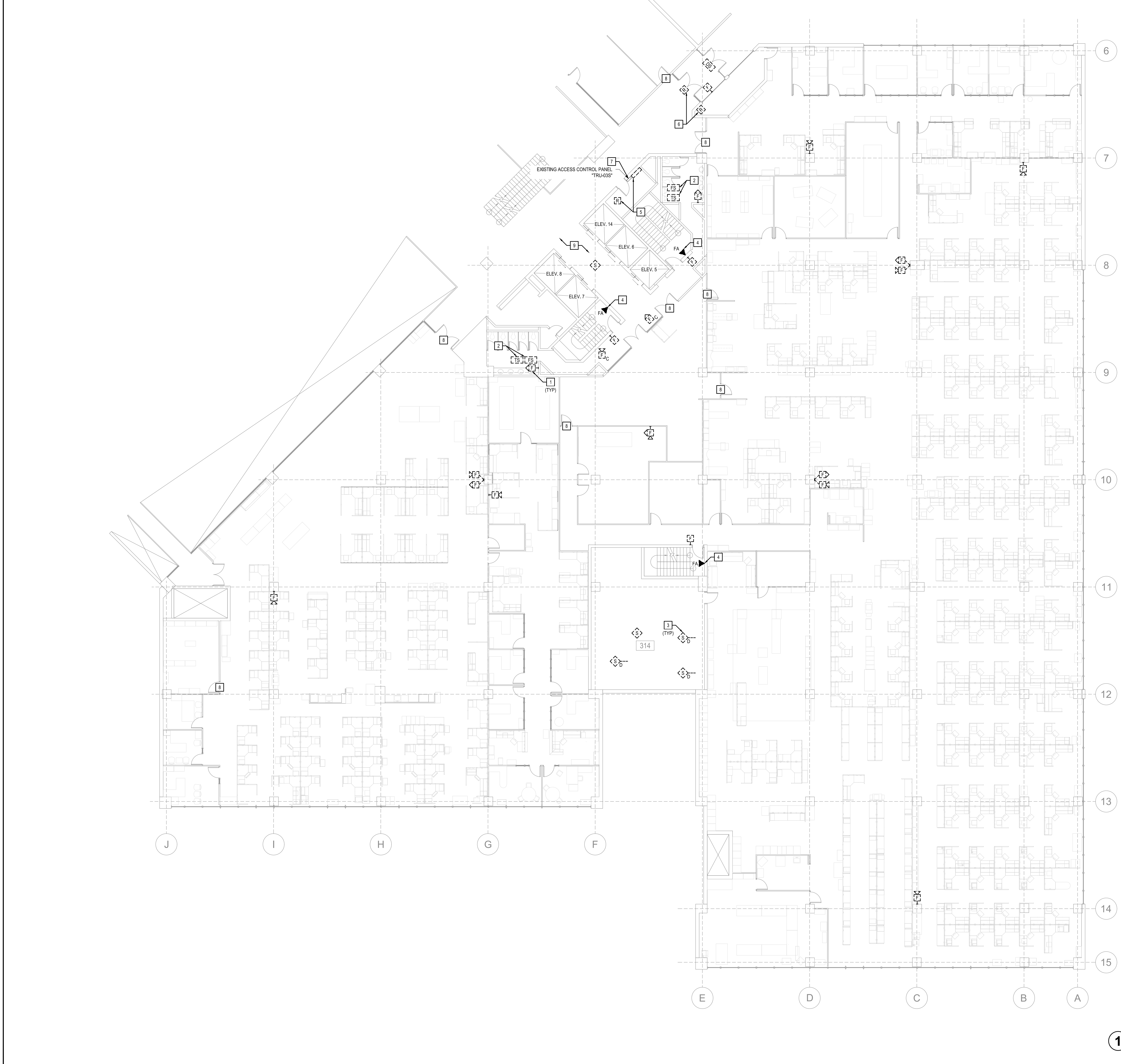
SHEET TITLE:
LEVEL 3
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD131

10 OF 53 SHEETS

**LEVEL 3 FIRE ALARM PLAN -
DEMOLITION (NORTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

1. REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
2. ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
3. CONTRACTOR SHALL ATTEMPT TO SALVAGE ALL EXISTING CONDUIT AND REUSE WHERE POSSIBLE. ALL EXISTING CONDUIT NOT PROPERLY SUPPORTED, NOT CODE COMPLIANT, OR NOT COMPLIANT WITH THE SPECIFICATIONS SHALL BE REWORKED AS REQUIRED.
4. ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY. THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS.

KEYED NOTES:

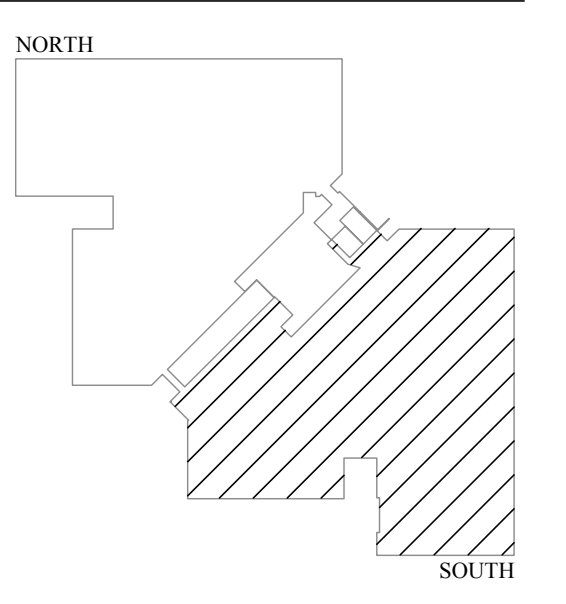
1. EXISTING FIRE ALARM DEVICE TO BE REMOVED. WHERE REMOVAL IMPACTS EXISTING WALLS, CEILING TILES, OR OTHER ARCHITECTURAL ELEMENTS, THOSE ELEMENTS SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. THOSE REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, NEW CEILING TILES, WALL REPAIRS, PAINTING, ETC. WHERE A SINGLE GANG BOX REMAINS IN A WALL, AND ONLY A WALL, A BLANK COVERPLATE CAN BE PLACED OVER THAT SINGLE GANG BOX TO MATCH EXISTING WALL PLATES IN THE AREA. ANYTHING OTHER THAN A SINGLE GANG BOX WILL REQUIRE REMOVAL AND REPAIR OF THE ARCHITECTURAL ELEMENT.
2. EXISTING FLOW SWITCH AND TAMPER SWITCH SHALL BE REMOVED AND REPLACED. COORDINATE REMOVAL AND REPLACEMENT WITH THE SPRINKLER MANUFACTURER, INSTALLER, OR SERVICE REPRESENTATIVE.
3. EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED WITH NEW. COORDINATE REMOVAL AND REINSTALLATION WITH THE UNIT MANUFACTURER.
4. EXISTING FIREMAN PHONE SYSTEM TO BE ABANDONED IN PLACE. EXISTING BACKBOXES BEHIND EITHER JACKS OR PHONES SHALL BE ABANDONED IN PLACE. WHERE A JACK IS LOCATED, REMOVE THE JACK AND PROVIDE A BLANK WALL PLATE TO MATCH THE EXISTING COVER PLATES IN THAT AREA. WHERE A PHONE IS LOCATED, REMOVE THE PHONE AND INSTALL A BLANK PLATE WITH A MINIMUM THICKNESS OF 1/8" AND PAINTED TO MATCH THE WALL.
5. EXISTING FIRE ALARM PANEL EQUIPMENT TO BE REMOVED. COORDINATE REMOVAL WITH ALL WORK OCCURRING ON THIS FLOOR. ABANDONED CONDUIT AND WIRING SHALL BE REMOVED IF NOT REQUIRED TO REMAIN.
6. EXISTING FIRE ALARM RELAY INTERLOCKED WITH SMOKE EVACUATION SYSTEM AND FIRE ALARM SYSTEM. WHEN THE FIRE ALARM SYSTEM IS IN ALARM, THE EXISTING FRESH AIR DAMPERS AND OCCUPANT DOORS SHALL OPEN. REMOVE THE EXISTING FIRE ALARM CONNECTION, INCLUDING ALL CONDUIT, WIRING, AND TRANSDUCERS FOR INSTALLATION OF NEW.
7. EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
8. EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.
9. CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING, ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.

1 LEVEL 3 FIRE ALARM PLAN - DEMOLITION (SOUTH)
SCALE: 3/32" = 1'-0"

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 3



KEY PLAN



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PROJECT NUMBER: 2048850
MO CCA 20220563 - Curt L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION:
DATE: _____
REVISION:
DATE: _____
REVISION:
DATE: _____

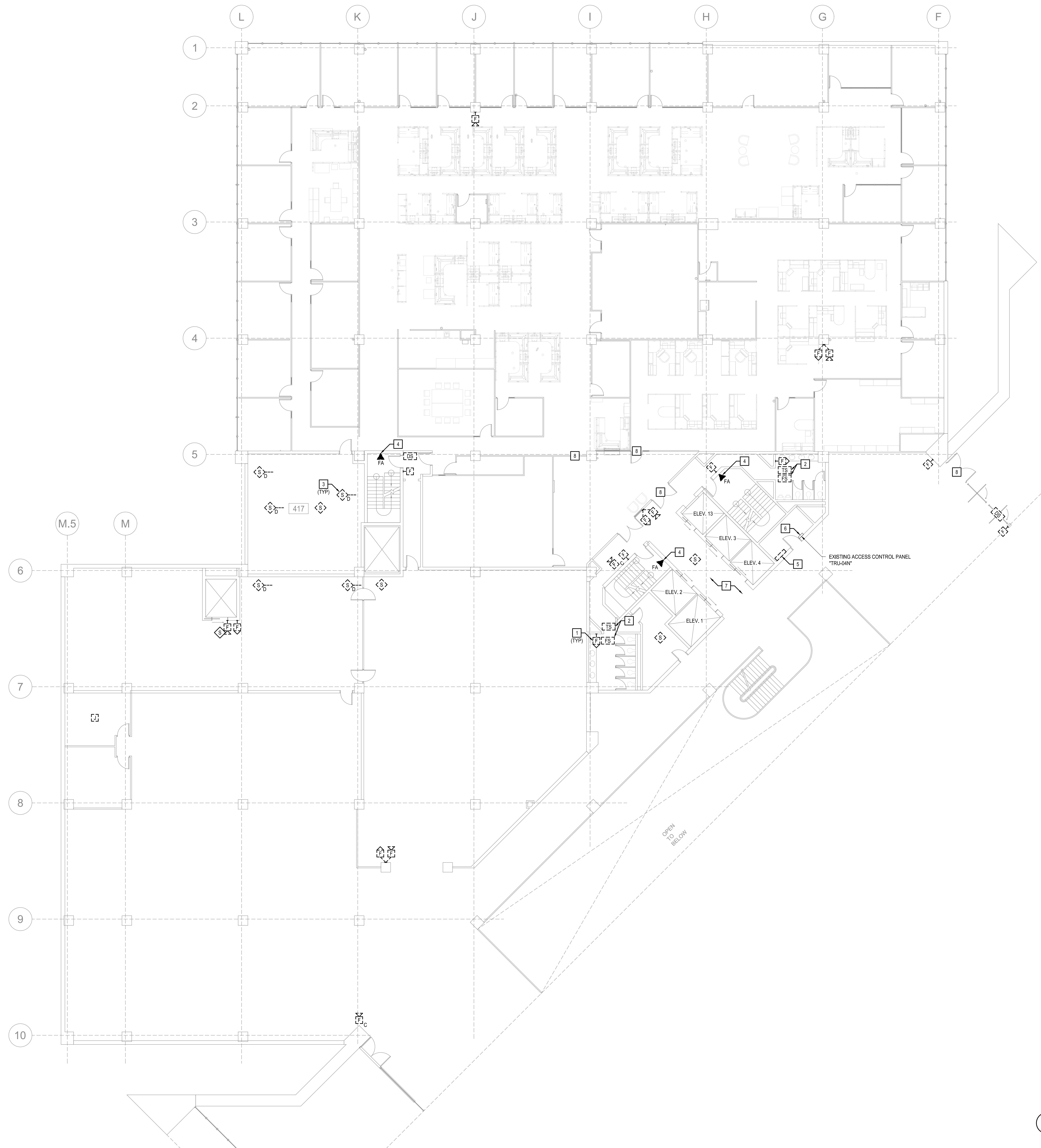
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD132
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 3
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD132
11 OF 53 SHEETS





GENERAL NOTES:

- REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
- ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
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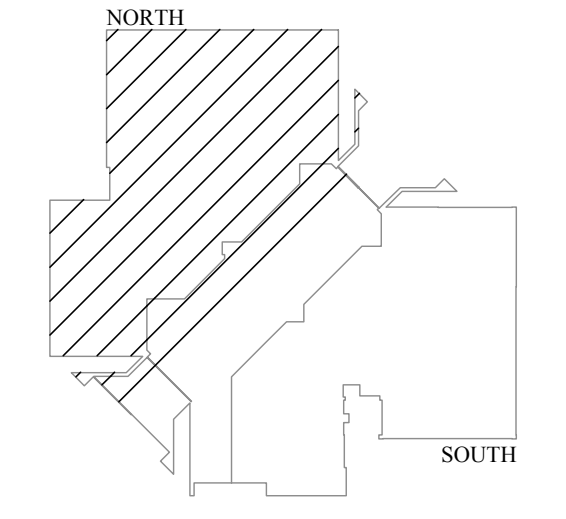
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- EXISTING FIRE ALARM PANEL/EQUIPMENT TO BE REMOVED. COORDINATE REMOVAL WITH ALL WORK OCCURRING ON THIS FLOOR. ABANDONED CONDUIT AND WIRING SHALL BE REMOVED IF NOT REQUIRED TO REMAIN.
- EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING. ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 4



KEY PLAN



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ISS PROJECT NUMBER: 20400000
MO CCA 200200563 - Curtis L. Brungardt, P.E. 2003016699
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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
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DATE: _____

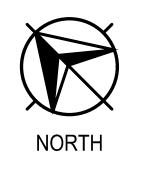
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD141
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 4
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD141
12 OF 53 SHEETS

**LEVEL 4 FIRE ALARM PLAN -
DEMOLITION (NORTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

1. REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
2. ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
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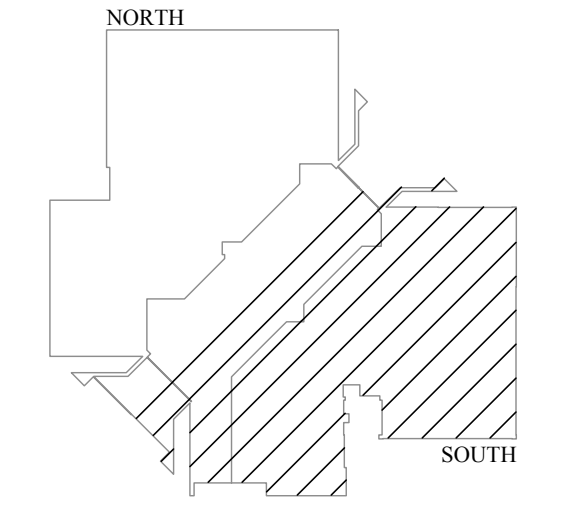
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1. EXISTING FIRE ALARM DEVICE TO BE REMOVED. WHERE REMOVAL IMPACTS EXISTING WALLS, CEILING TILES, OR OTHER ARCHITECTURAL ELEMENTS, THOSE ELEMENTS SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. THOSE REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, NEW CEILING TILES, WALL REPAIRS, PAINTING, ETC. WHERE A SINGLE GANG BOX REMAINS IN A WALL, AND ONLY A WALL, A BLANK COVERPLATE CAN BE PLACED OVER THAT SINGLE GANG BOX TO MATCH EXISTING WALL PLATES IN THE AREA. ANYTHING OTHER THAN A SINGLE GANG BOX WILL REQUIRE REMOVAL AND REPAIR OF THE ARCHITECTURAL ELEMENT.
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3. EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED WITH NEW. COORDINATE REMOVAL AND REINSTALLATION WITH THE UNIT MANUFACTURER.
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6. EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
7. CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING. ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
8. EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 4



KEY PLAN



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MO PROJECT NUMBER: 2048858-0
MO CCA: 200205563 - Curtis L. Brungardt, P.E. 2003016693
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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION:
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD142
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 4
FIRE ALARM PLAN -
DEMOLITION

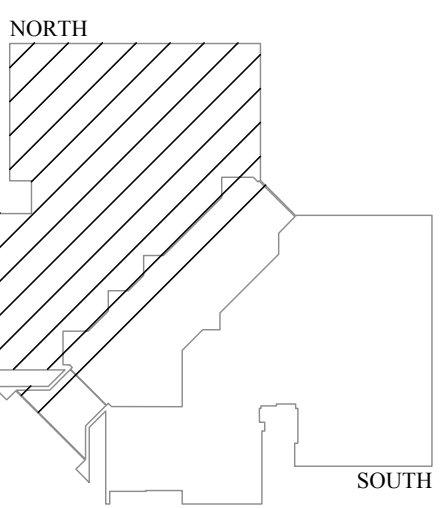
SHEET NUMBER:
FAD142
13 OF 53 SHEETS

**LEVEL 4 FIRE ALARM PLAN -
DEMOLITION (SOUTH)**
1 SCALE: 3/32" = 1'-0"





PROFESSIONAL SEAL



LEVEL 5



KEY PLAN



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PROJECT PHASE: CD

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD151
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 5
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD151

14 OF 53 SHEETS

GENERAL NOTES:

- REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
- ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
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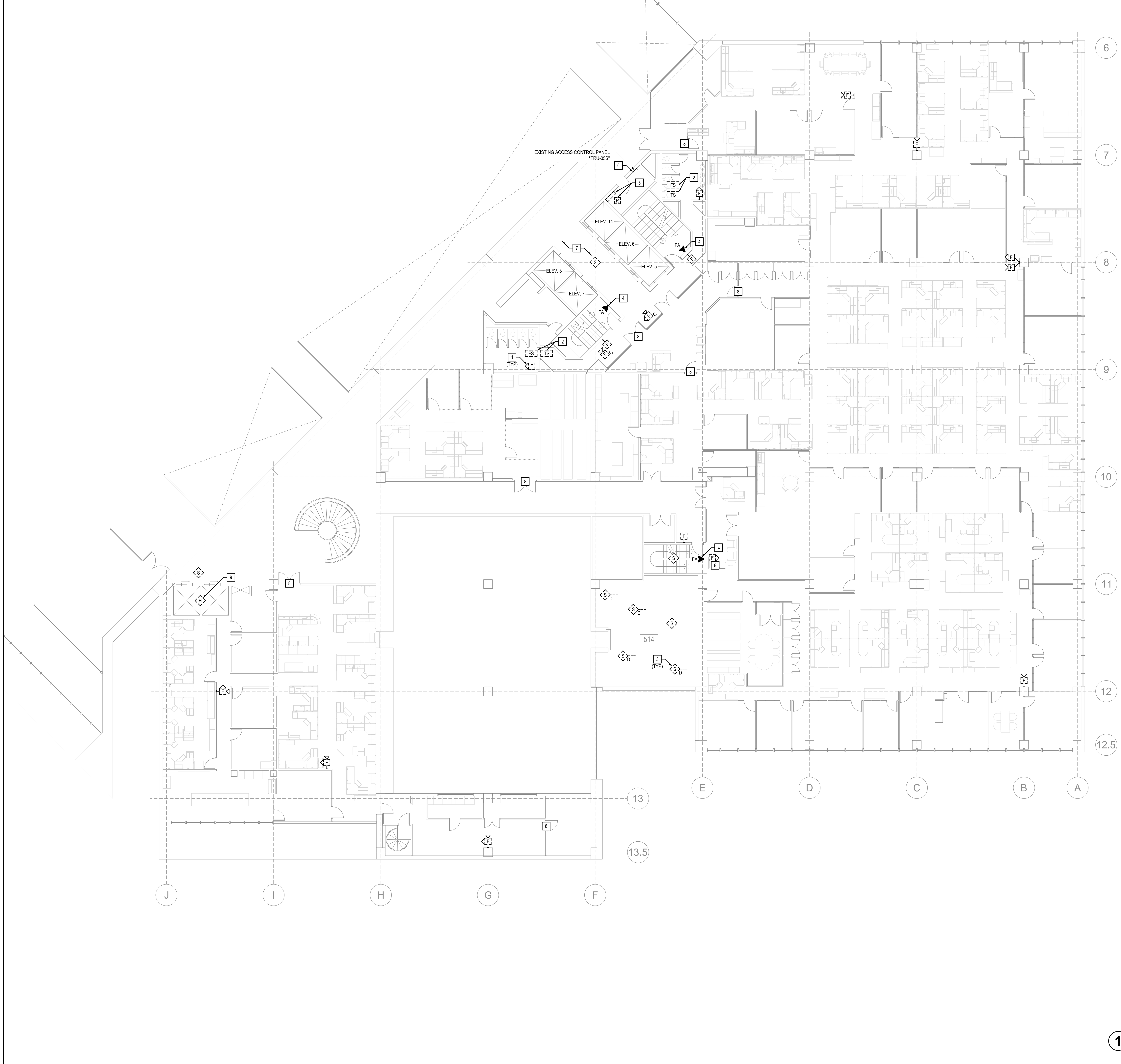
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**LEVEL 5 FIRE ALARM PLAN -
DEMOLITION (NORTH)**
SCALE: 3/32" = 1'-0"





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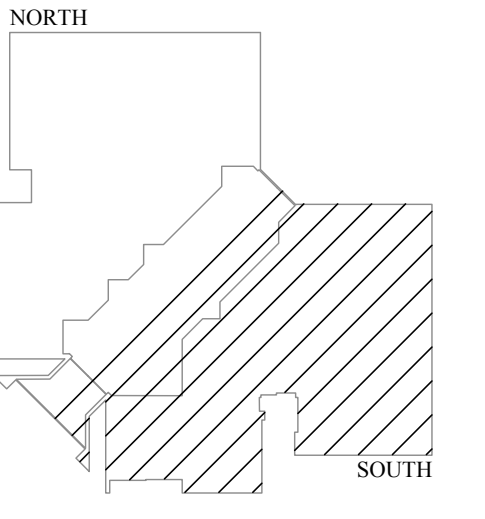
KEYED NOTES:

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6. EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
7. CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING, ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
8. EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.
9. REMOVE HEAT DETECTOR LOCATED AT THE TOP OF THE ELEVATOR SHAFT.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 5



KEY PLAN



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PROJ. NO. 20240563 - Curtis L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION:
DATE: _____
REVISION:
DATE: _____
REVISION:
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

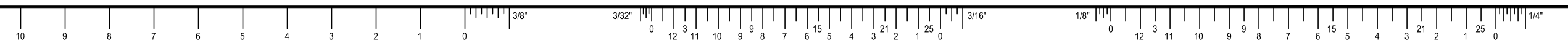
CAD DWG FILE: FAD152
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 5
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD152

15 OF 53 SHEETS

**LEVEL 5 FIRE ALARM PLAN -
DEMOLITION (SOUTH)**
SCALE: 3/32" = 1'-0"





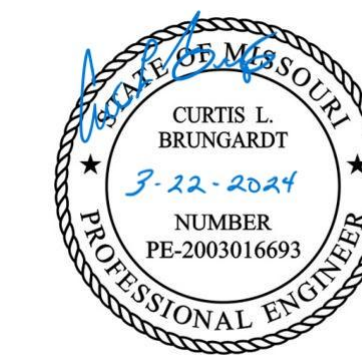
GENERAL NOTES:

1. REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
2. ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
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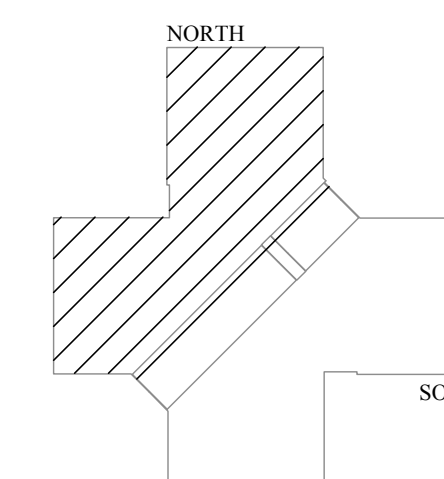
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8. EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 6



KEY PLAN



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MO PROJECT NUMBER: 20A00000
MO CCA: 200200563 - Curtis L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION:
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD161
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 6
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD161

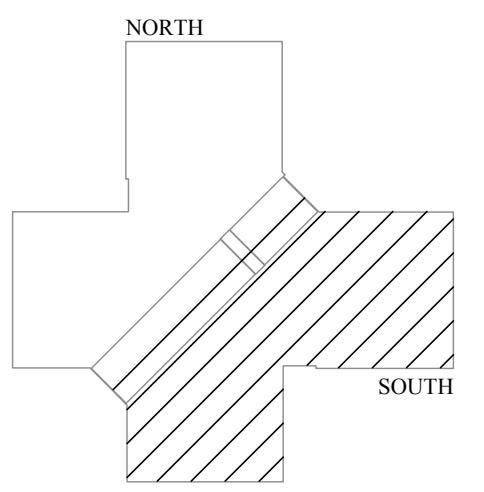
16 OF 53 SHEETS

**LEVEL 6 FIRE ALARM PLAN -
DEMOLITION (NORTH)**
SCALE: 3/32" = 1'-0"





PROFESSIONAL SEAL



LEVEL 6



KEY PLAN



InSite Group
DESIGNATION: DESIRE, INTEGRITY

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MO CCA: 202200563 - Curtis L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
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DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD162
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 6
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD162

17 OF 53 SHEETS

GENERAL NOTES:

- REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
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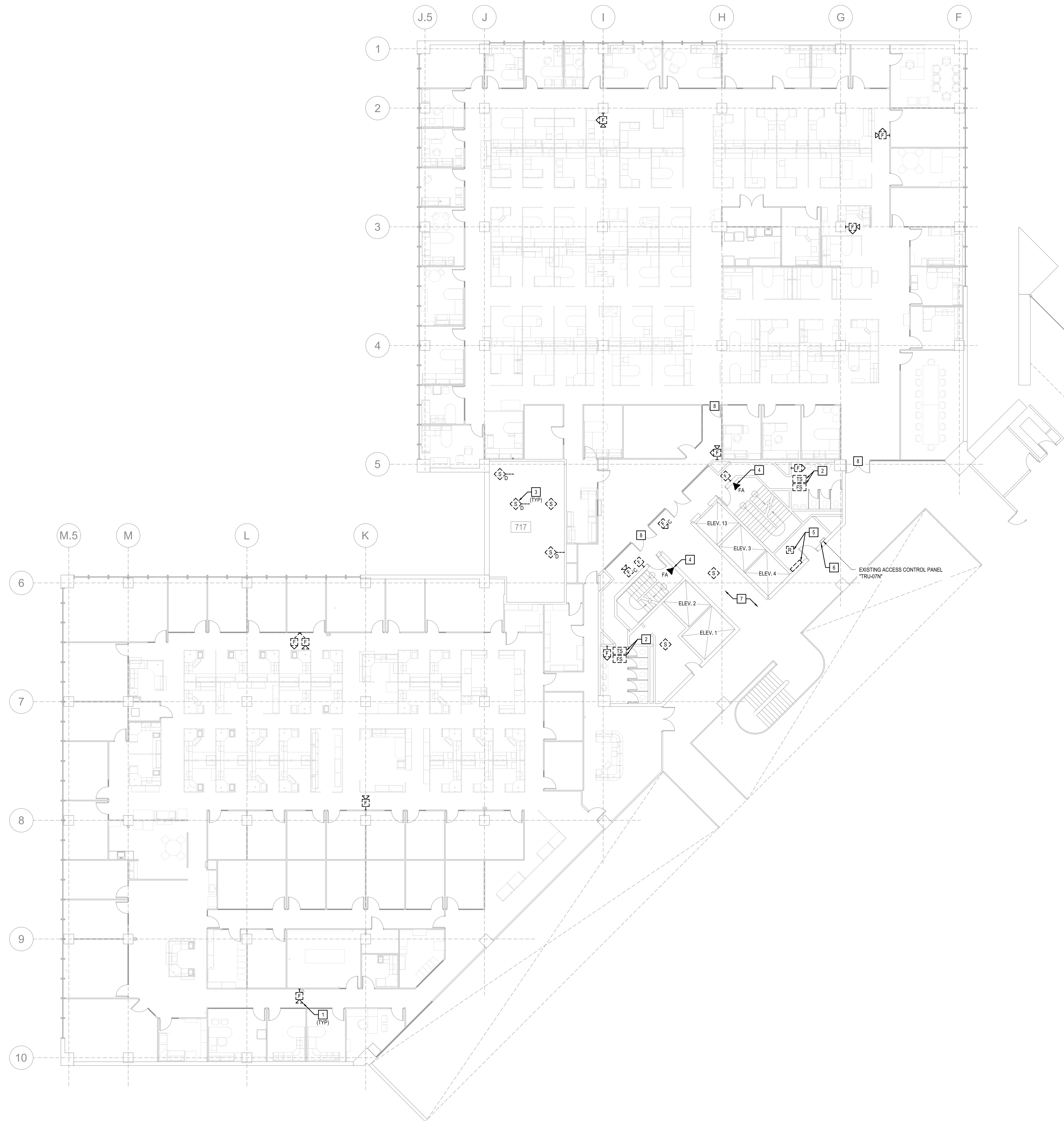
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- EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.



**LEVEL 6 FIRE ALARM PLAN -
DEMOLITION (SOUTH)**
SCALE: 3/32" = 1'-0"





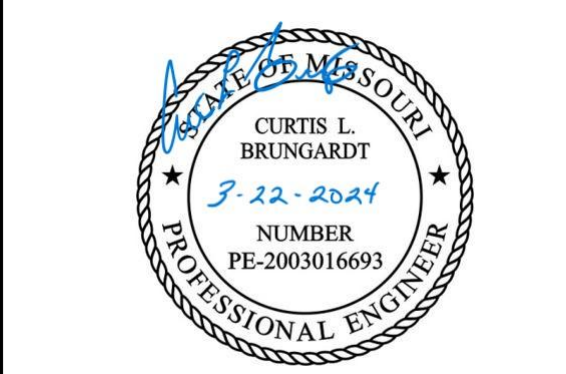
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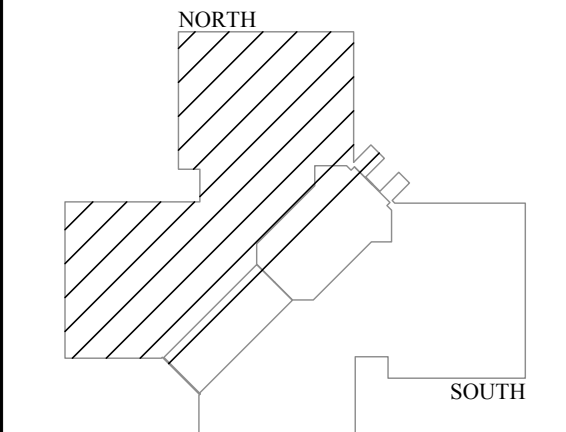
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- EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 7



KEY PLAN



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ISS PROJECT NUMBER: 204088-01
MO OCA 2022050563 - Curtis L. Brungardt, P.E. 2003016698
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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION:
DATE: _____
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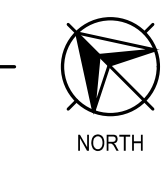
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD171
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 7
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD171
18 OF 53 SHEETS

**LEVEL 7 FIRE ALARM PLAN -
DEMOLITION (NORTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

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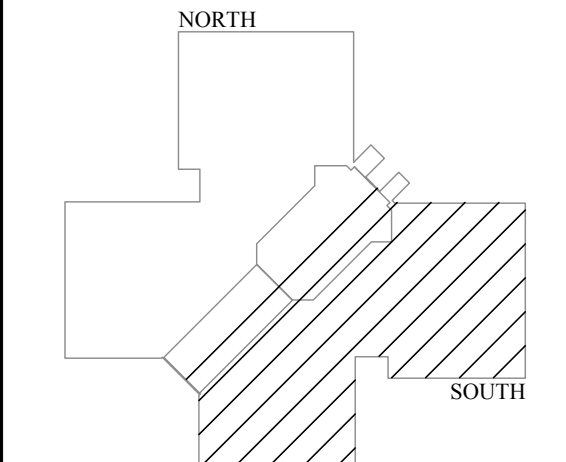
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- EXISTING FIREMAN PHONE SYSTEM TO BE ABANDONED IN PLACE. EXISTING BACKBOXES BEHIND EITHER JACKS OR PHONES SHALL BE ABANDONED IN PLACE. WHERE A JACK IS LOCATED, REMOVE THE JACK AND PROVIDE A BLANK WALL PLATE TO MATCH THE EXISTING COVER PLATES IN THAT AREA. WHERE A PHONE IS LOCATED, REMOVE THE PHONE AND INSTALL A BLANK PLATE WITH A MINIMUM THICKNESS OF 1/8" AND PAINTED TO MATCH THE WALL.
- EXISTING FIRE ALARM PANEL/EQUIPMENT TO BE REMOVED. COORDINATE REMOVAL WITH ALL WORK OCCURRING ON THIS FLOOR. ABANDONED CONDUIT AND WIRING SHALL BE REMOVED IF NOT REQUIRED TO REMAIN.
- EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING. ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 7



KEY PLAN



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ADMINISTRATION
FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD172
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:

LEVEL 7
FIRE ALARM PLAN -
DEMOLITION

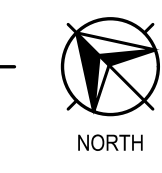
SHEET NUMBER:

FAD172

19 OF 53 SHEETS

**LEVEL 7 FIRE ALARM PLAN -
DEMOLITION (SOUTH)**
SCALE: 3/32" = 1'-0"

1





GENERAL NOTES:

1. REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
2. ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
3. CONTRACTOR SHALL ATTEMPT TO SALVAGE ALL EXISTING CONDUIT AND REUSE WHERE POSSIBLE. ALL EXISTING CONDUIT NOT PROPERLY SUPPORTED, NOT CODE COMPLIANT, OR NOT COMPLIANT WITH THE SPECIFICATIONS SHALL BE REWORKED AS REQUIRED.
4. ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY. THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS.

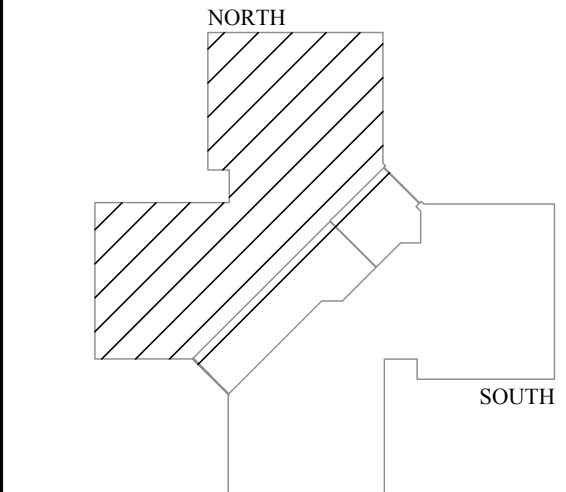
KEYED NOTES:

1. EXISTING FIRE ALARM DEVICE TO BE REMOVED. WHERE REMOVAL IMPACTS EXISTING WALLS, CEILING TILES, OR OTHER ARCHITECTURAL ELEMENTS, THOSE ELEMENTS SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. THOSE REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, NEW CEILING TILES, WALL REPAIRS, PAINTING, ETC. WHERE A SINGLE GANG BOX REMAINS IN A WALL, AND ONLY A WALL, A BLANK COVERPLATE CAN BE PLACED OVER THAT SINGLE GANG BOX TO MATCH EXISTING WALL PLATES IN THE AREA. ANYTHING OTHER THAN A SINGLE GANG BOX WILL REQUIRE REMOVAL AND REPAIR OF THE ARCHITECTURAL ELEMENT.
2. EXISTING FLOW SWITCH AND TAMPER SWITCH SHALL BE REMOVED AND REPLACED. COORDINATE REMOVAL AND REPLACEMENT WITH THE SPRINKLER MANUFACTURER, INSTALLER, OR SERVICE REPRESENTATIVE.
3. EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED WITH NEW. COORDINATE REMOVAL AND REINSTALLATION WITH THE UNIT MANUFACTURER.
4. EXISTING FIREMAN PHONE SYSTEM TO BE ABANDONED IN PLACE. EXISTING JACK-BOXES BEHIND EITHER JACKS OR PHONES SHALL BE ABANDONED IN PLACE. WHERE A JACK IS LOCATED, REMOVE THE JACK AND PROVIDE A BLANK WALL PLATE TO MATCH THE EXISTING COVER PLATES IN THAT AREA. WHERE A PHONE IS LOCATED, REMOVE THE PHONE AND INSTALL A BLANK PLATE WITH A MINIMUM THICKNESS OF 1/8" AND PAINTED TO MATCH THE WALL.
5. EXISTING FIRE ALARM PANEL/EQUIPMENT TO BE REMOVED. COORDINATE REMOVAL WITH ALL WORK OCCURRING ON THIS FLOOR. ABANDONED CONDUIT AND WIRING SHALL BE REMOVED IF NOT REQUIRED TO REMAIN.
6. EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
7. CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING. ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
8. EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.
9. REMOVE HEAT DETECTOR LOCATED AT THE TOP OF THE ELEVATOR SHAFT.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 8



KEY PLAN



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MO CCA 200200563 - Curtis L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING
JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

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DATE: _____

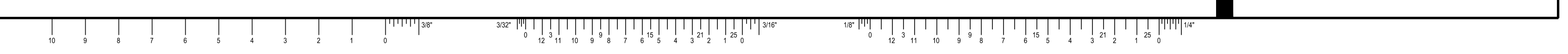
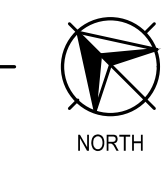
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD181
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 8
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD181
20 OF 53 SHEETS

**LEVEL 8 FIRE ALARM PLAN -
DEMOLITION (NORTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

1. REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
2. ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
3. CONTRACTOR SHALL ATTEMPT TO SALVAGE ALL EXISTING CONDUIT AND REUSE WHERE POSSIBLE. ALL EXISTING CONDUIT NOT PROPERLY SUPPORTED, NOT CODE COMPLIANT, OR NOT COMPLIANT WITH THE SPECIFICATIONS SHALL BE REWORKED AS REQUIRED.
4. ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY. THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS.

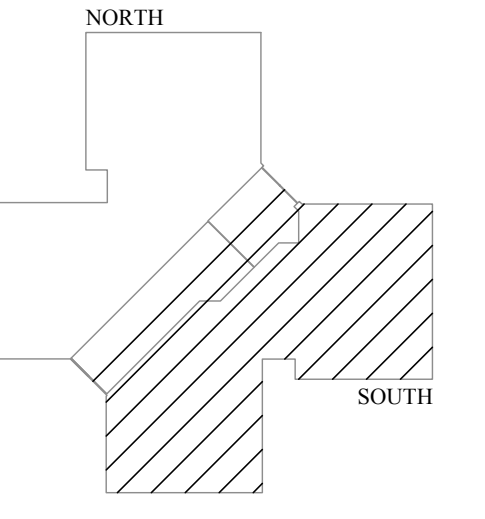
KEYED NOTES:

1. EXISTING FIRE ALARM DEVICE TO BE REMOVED. WHERE REMOVAL IMPACTS EXISTING WALLS, CEILING TILES, OR OTHER ARCHITECTURAL ELEMENTS, THOSE ELEMENTS SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. THOSE REPAIRS INCLUDE, BUT ARE NOT LIMITED TO, NEW CEILING TILES, WALL REPAIRS, PAINTING, ETC. WHERE A SINGLE GANG BOX REMAINS IN A WALL, AND ONLY A WALL, A BLANK COVER PLATE CAN BE PLACED OVER THAT SINGLE GANG BOX TO MATCH EXISTING WALL PLATES IN THE AREA. ANYTHING OTHER THAN A SINGLE GANG BOX WILL REQUIRE REMOVAL AND REPAIR OF THE ARCHITECTURAL ELEMENT.
2. EXISTING FLOW SWITCH AND TAMPER SWITCH SHALL BE REMOVED AND REPLACED. COORDINATE REMOVAL AND REPLACEMENT WITH THE SPRINKLER MANUFACTURER, INSTALLER, OR SERVICE REPRESENTATIVE.
3. EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED WITH NEW. COORDINATE REMOVAL AND REINSTALLATION WITH THE UNIT MANUFACTURER.
4. EXISTING FIREMAN PHONE SYSTEM TO BE ABANDONED IN PLACE. EXISTING BACKBOXES BEHIND EITHER JACKS OR PHONES SHALL BE ABANDONED IN PLACE. WHERE A JACK IS LOCATED, REMOVE THE JACK AND PROVIDE A BLANK WALL PLATE TO MATCH THE EXISTING COVER PLATES IN THAT AREA. WHERE A PHONE IS LOCATED, REMOVE THE PHONE AND INSTALL A BLANK PLATE WITH A MINIMUM THICKNESS OF 1/8" AND PAINTED TO MATCH THE WALL.
5. EXISTING FIRE ALARM PANEL EQUIPMENT TO BE REMOVED. COORDINATE REMOVAL WITH ALL WORK OCCURRING ON THIS FLOOR. ABANDONED CONDUIT AND WIRING SHALL BE REMOVED IF NOT REQUIRED TO REMAIN.
6. EXISTING ACCESS CONTROL PANEL TO REMAIN. REMOVE ANY EXISTING CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM.
7. CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING. ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
8. EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.
9. REMOVE HEAT DETECTOR LOCATED AT THE TOP OF THE ELEVATOR SHAFT.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 8



KEY PLAN



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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

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ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

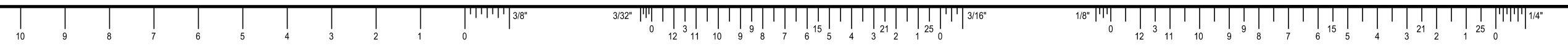
CAD DWG FILE: FAD182
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

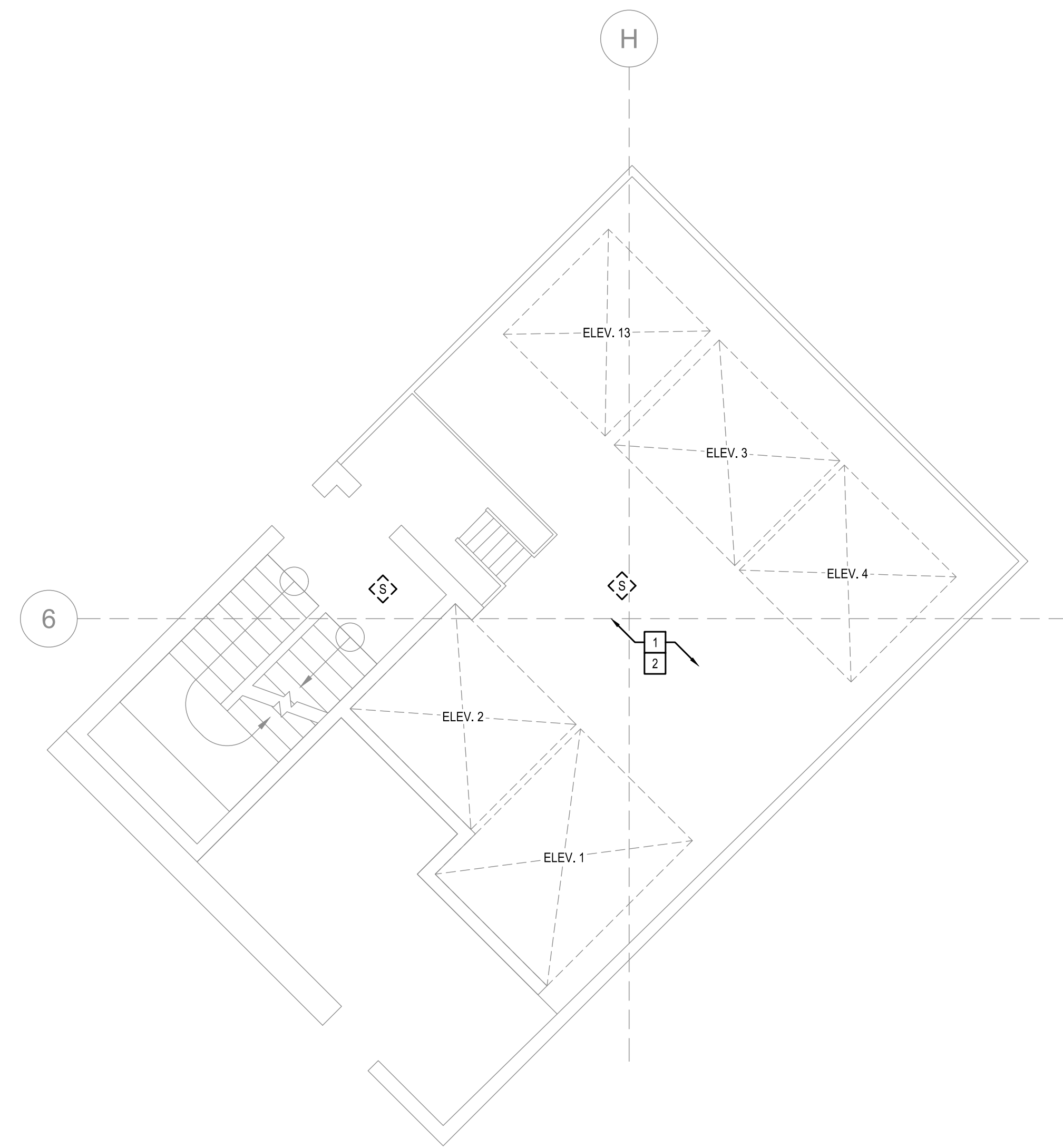
SHEET TITLE:
LEVEL 8
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD182

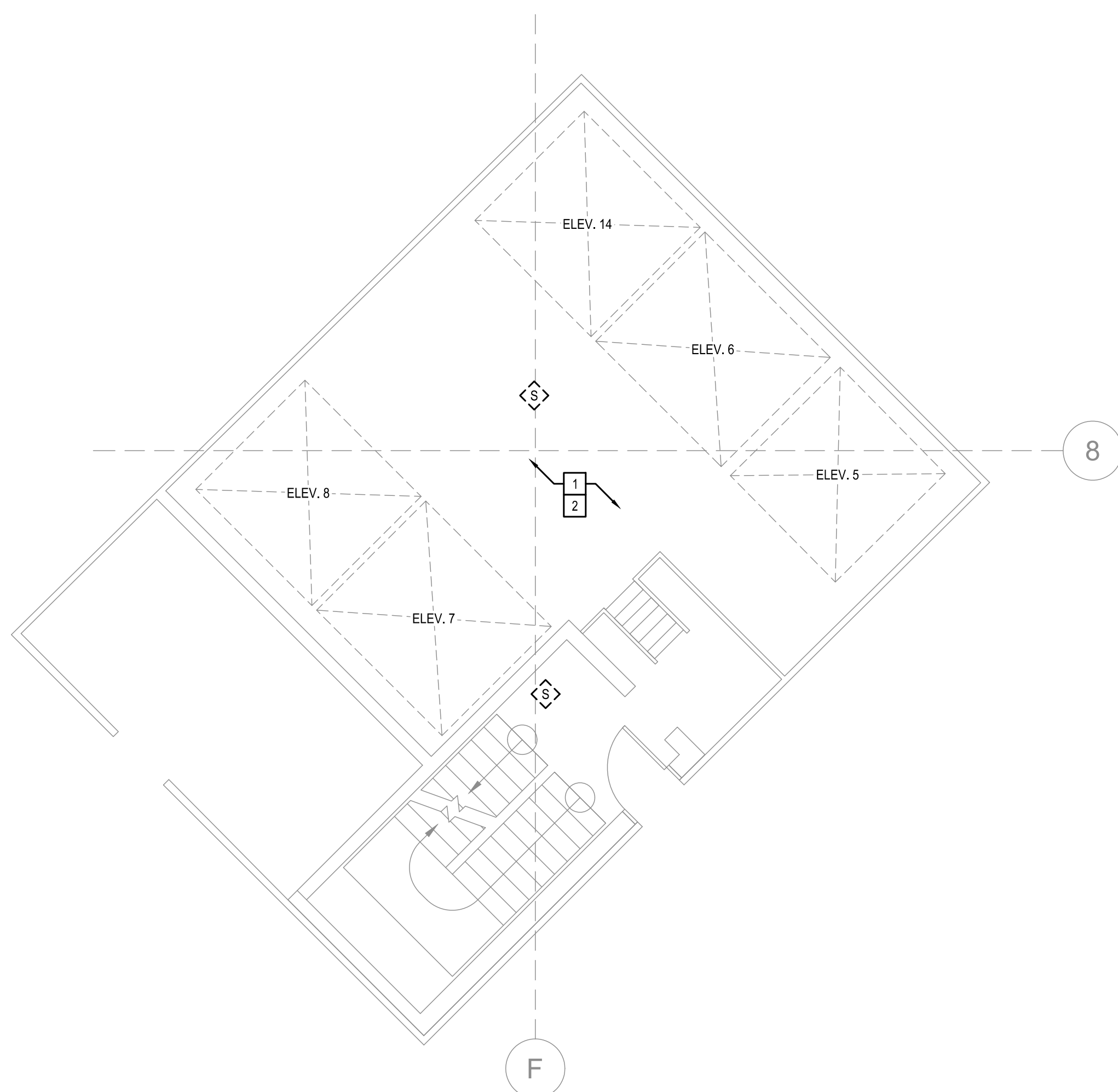
21 OF 53 SHEETS

**LEVEL 8 FIRE ALARM PLAN -
DEMOLITION (SOUTH)**
SCALE: 3/32" = 1'-0"





1 PENTHOUSE FIRE ALARM PLAN - DEMOLITION (NORTH)
SCALE: 3/16" = 1'-0"



2 PENTHOUSE FIRE ALARM PLAN - DEMOLITION (SOUTH)
SCALE: 3/16" = 1'-0"

GENERAL NOTES:

- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
- ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
- CONTRACTOR SHALL ATTEMPT TO SALVAGE ALL EXISTING CONDUIT AND REUSE WHERE POSSIBLE. ALL EXISTING CONDUIT NOT PROPERLY SUPPORTED, NOT CODE COMPLIANT, OR NOT COMPLIANT WITH THE SPECIFICATIONS SHALL BE REWORKED AS REQUIRED.

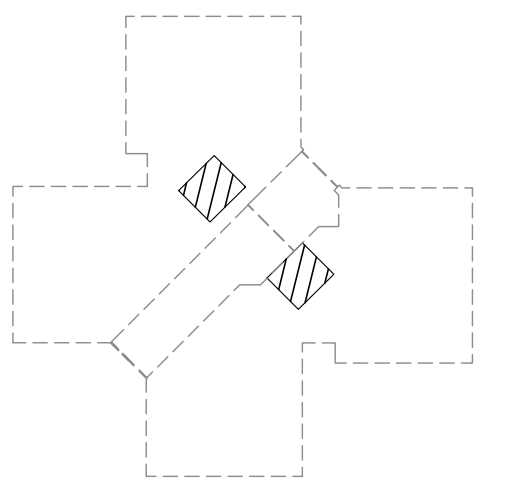
KEYED NOTES:

- THE EXISTING ELEVATORS ARE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM. THOSE CONNECTIONS ARE PUTTING THE ELEVATOR INTO RECALL MODE. THE CONNECTION METHOD HAS NOT BEEN IDENTIFIED, BUT SHALL BE COORDINATED WITH THE ELEVATOR SUPPLIER, MANUFACTURER, AND/OR THE SERVICE REPRESENTATIVE. THAT EXISTING CONNECTION SHALL BE REMOVED FROM THE ELEVATOR CONTROLLERS AND REINSTALLED WITH NEW DEVICES. COORDINATE EXACT WIRING AND REQUIREMENTS IN THE FIELD. REMOVE ALL CONDUIT, WIRING, FASTENERS, HANGERS, AND SUPPORTS NOT REQUIRED. PATCH, PAINT, AND SEAL ALL PENETRATIONS FROM REMOVED CONDUITS. ALL FIRE RATINGS SHALL BE MAINTAINED.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. REMOVE ANY CONNECTIONS TO THE EXISTING FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME TWO (2) LOCATIONS IN THIS AREA IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



PENTHOUSE



KEY PLAN



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ISS PROJECT NUMBER: 204888-0
MO CCA 200200563 - Curtis L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

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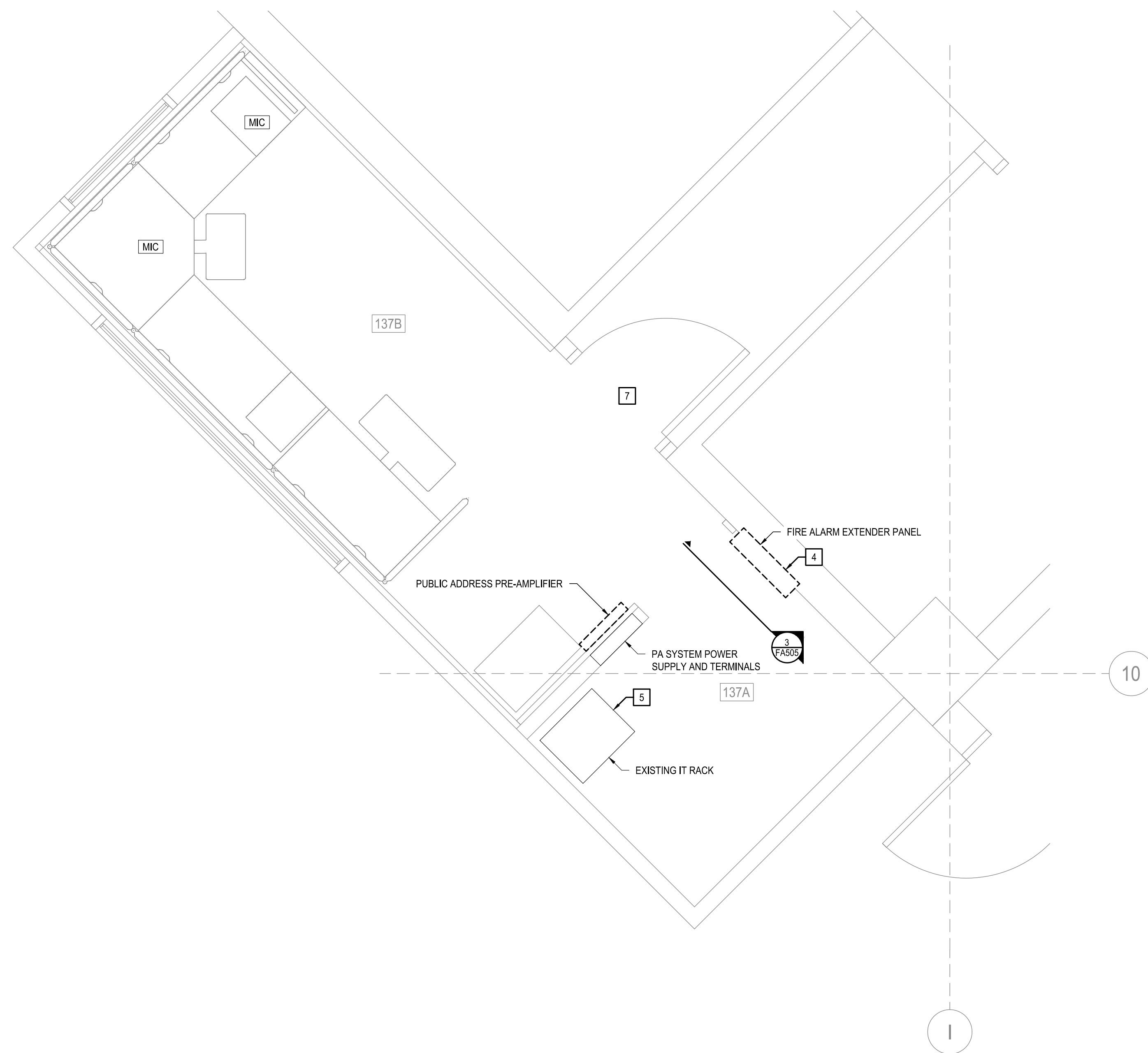
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ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD191
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

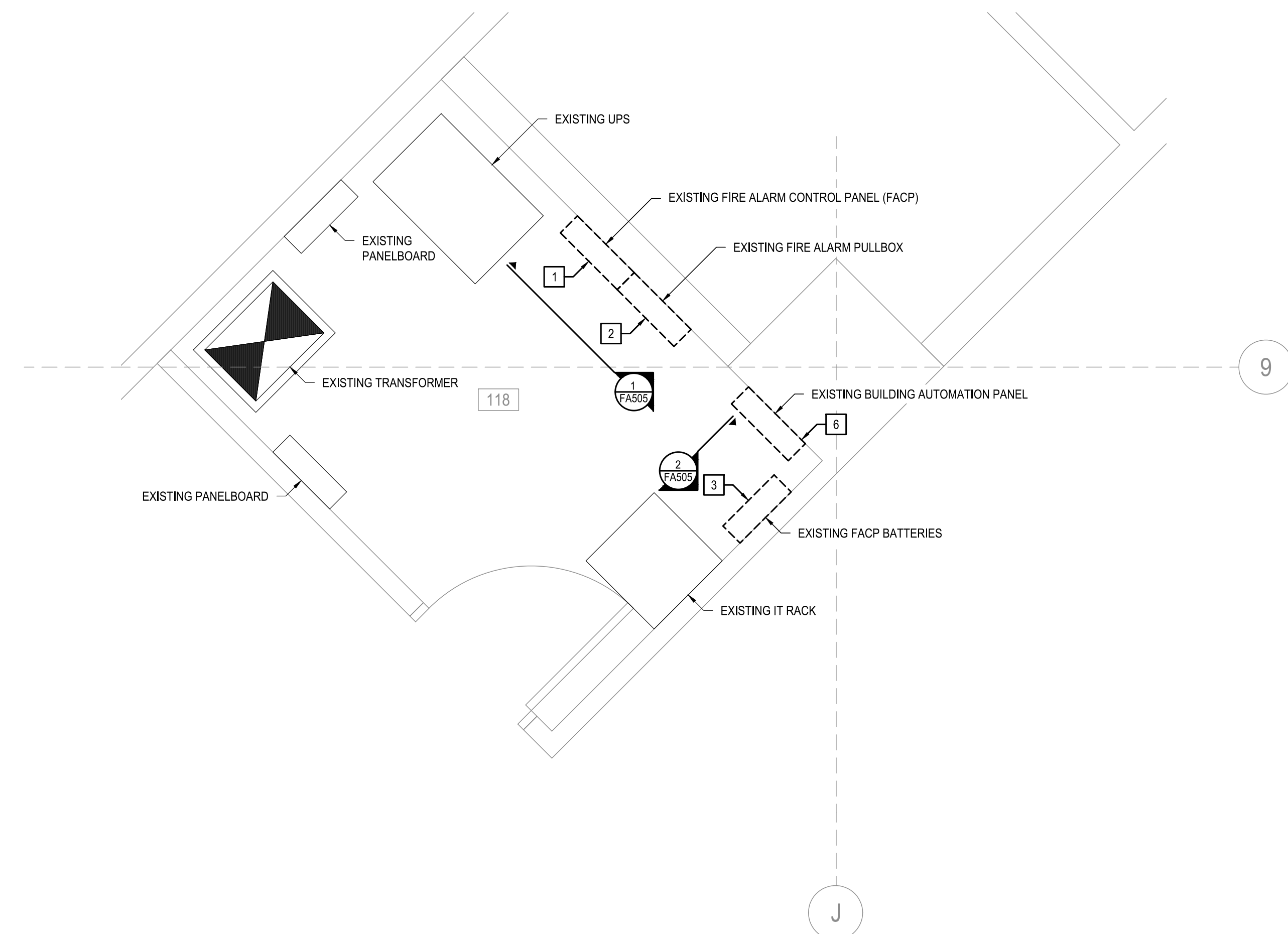
SHEET TITLE:
PENTHOUSE
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD191

22 OF 53 SHEETS



1 LEVEL 1 ENLARGED FIRE ALARM PLAN - DEMOLITION (CAPITOL POLICE)
SCALE: 1/2" = 1'-0"



2 LEVEL 1 ENLARGED FIRE ALARM PLAN - DEMOLITION (FACP CLOSET)
SCALE: 1/2" = 1'-0"

GENERAL NOTES:

- REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
- ALL EXISTING FIRE ALARM EQUIPMENT AND DEVICES ON THIS FLOOR SHALL BE REMOVED. THE PLANS HAVE DEPICTED ALL VISIBLE AND KNOWN DEVICES, BUT MAY NOT INCLUDE ALL DEVICES ON THIS FLOOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND REMOVAL OF ALL EQUIPMENT AND DEVICES, REGARDLESS IF SHOWN ON THE PLAN.
- CONTRACTOR SHALL ATTEMPT TO SALVAGE ALL EXISTING CONDUIT AND REUSE WHERE POSSIBLE. ALL EXISTING CONDUIT NOT PROPERLY SUPPORTED, NOT CODE COMPLIANT, OR NOT COMPLIANT WITH THE SPECIFICATIONS SHALL BE REWORKED AS REQUIRED.
- WHERE WALL MOUNTED EQUIPMENT IS SHOWN IN THIS ROOM TO BE REMOVED, THE AFFECTED ARCHITECTURAL ELEMENTS SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT SURFACES. BLANK PLATES, PLYWOOD, BOARDING, ETC. ARE NOT ACCEPTABLE. REFRAME THE WALL, DRYWALL, PLASTER, TRIM OUT, AND PAINT AS REQUIRED TO MATCH ADJACENT WALLS. ALL HOLES IN WALLS AND CEILINGS SHALL BE REPAIRED. ALL NON-USED CABLING CONNECTED TO REMOVED EQUIPMENT AND NOT REQUIRED TO REMAIN SHALL BE REMOVED. REMOVE ALL HANGERS AND SUPPORT STRUCTURES NOT REQUIRED TO REMAIN.
- WORK IN THE CAPITAL POLICE AREA SHALL BE COORDINATED WITH THE OWNER. ANY WORK PERFORMED IN THIS AREA MAY REQUIRE SPECIAL ACCOMMODATIONS. WORK IN THIS AREA SHALL BE ASSUMED AS AFTER HOURS WORK.

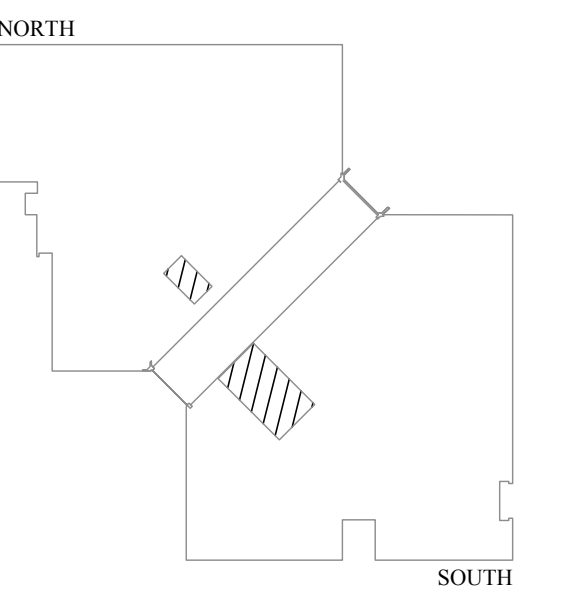
KEYED NOTES:

- REMOVE THE EXISTING FIRE ALARM CONTROL PANEL. DISCONNECT ALL CONDUIT AND WIRING. CONTRACTOR SHALL TRACE OUT AND LABEL ALL EXISTING WIRING BEFORE REMOVING. IDENTIFY ALL EXISTING ZONES AND LABEL THOSE CONDUCTORS. THE FIRE ALARM PANEL IS TO BE REPLACED WITH A NEW FIRE ALARM CONTROL PANEL.
- THE EXISTING FIRE ALARM PULL-BOX SHALL REMAIN IN PLACE DURING THE CONSTRUCTION PROCESS. THE PULL-BOX SHALL HOUSE ALL RELAYS AS REQUIRED TO KEEP THE EXISTING ZONED FIRE ALARM SYSTEM OPERATIONAL. THIS LOCATION WILL BECOME THE LOCATION FOR THE NEW FIRE ALARM TERMINAL CABINET. COORDINATE NEW WORK AS REQUIRED TO REMOVE THIS PANEL.
- EXISTING BATTERY BACK-UP PANEL TO BE REMOVED. REMOVE ALL ASSOCIATED CONDUIT, HANGERS, AND SUPPORTS. THE WALL BEHIND THE CABINET SHALL BE PATCHED, PAINTED, AND REPAIRED PRIOR. COORDINATE REMOVAL WITH THE INSTALLATION OF THE NEW FIRE ALARM CONTROL PANEL.
- EXISTING FIRE ALARM EXTENDER PANEL. THIS PANEL CONTAINS POWER SUPPLIES, AMPLIFIERS, AND ZONE CONTROL MODULES. THIS PANEL SHALL BE REMOVED AND REPLACED WITH NEW. REFER TO NEW WORK PLANS AND RISER DIAGRAM FOR NEW REQUIREMENTS. THIS PANEL SHALL REMAIN IN PLACE AS REQUIRED TO MAINTAIN A WORKING SYSTEM DURING REPLACEMENT. COORDINATE CUT-OVER WITH THE OWNER AND FIELD CONDITIONS.
- EXISTING IT RACK AND EQUIPMENT TO REMAIN. DISCONNECT ANY ITEMS CONNECTED TO THE FIRE ALARM SYSTEM.
- EXISTING ENCLOSURE IS USED AS AN INTERFACE PANEL BETWEEN THE EXISTING FIRE ALARM CONTROL PANEL AND THE EXISTING BUILDING AUTOMATION SYSTEM. REFER TO SHEET FAS05 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR. REFER TO NEW WORK SHEETS FOR ADDITIONAL INFORMATION.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 1



KEY PLAN



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MO PROJECT NUMBER: 20-0888-01
MO CCA: 2022050563 - Curtis L. Brungardt, P.E. 2003016693
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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
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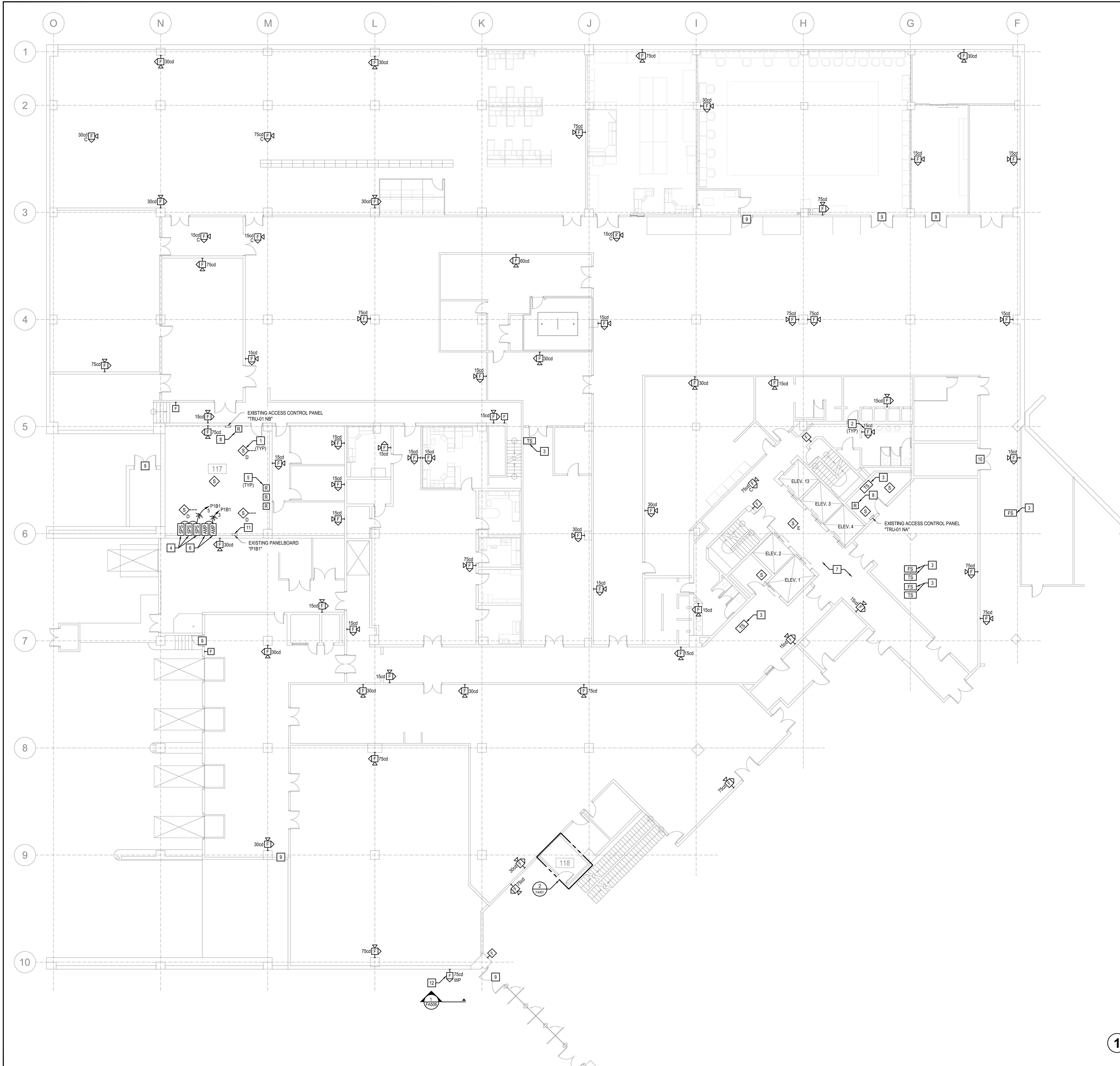
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FAD401
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 1 ENLARGED
FIRE ALARM PLAN -
DEMOLITION

SHEET NUMBER:
FAD401

23 OF 53 SHEETS



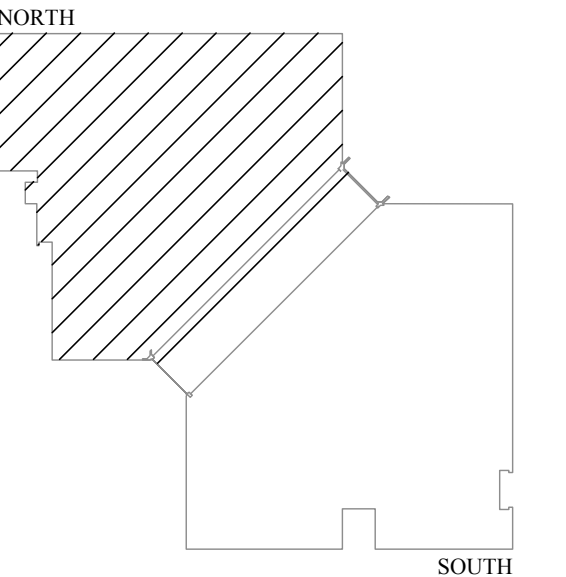
- GENERAL NOTES:**
- REFER TO F401 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
 - WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1/2" OF COILED CABLE AND FLEMBLE ARMORED CABLE. SO THE DEVICE CAN BE MOVED SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
 - ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.
- KEYED NOTES:**
- EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED. INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED. COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
 - WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, ENSURE THAT THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER. REPLACE BACK-BOX WHERE REQUIRED.
 - NEW FLOW SWITCH AND TAMPER SWITCH CONNECTIONS INSTALLED IN THE AREA OF THE EXISTING. COORDINATE LOCATIONS IN THE FIELD. PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL. REFER TO SYMBOLS LIST FOR FURTHER EXPLANATION OF THIS SYMBOL AND THE WORK REQUIRED.
 - NEW FIRE ALARM STROBE PANEL POWER SUPPLY. EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD. PROVIDE NEW POWER CONNECTION AS SHOWN. PROVIDE WITH 90 MINUTE BATTERY BACK-UP. REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
 - PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE FIRE ALARM SYSTEM IS IN ALARM. COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
 - NEW FIRE ALARM HORN AMPLIFIER PANEL. EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD. PROVIDE NEW POWER CONNECTION AS SHOWN. PROVIDE WITH 90 MINUTE BATTERY BACK-UP. REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
 - PROVIDE NEW FIRE ALARM RELAY(S) IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY. PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS. PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN. PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY. REFER TO DETAIL ON SHEET F403 FOR ADDITIONAL INFORMATION.
 - EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
 - EXISTING ACCESS CONTROL DOOR SHALL REMAIN LOCKED WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
 - CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE. WHERE NOT POSSIBLE, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS STYLE AND AIC RATING. PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES. LOCKOUT DEVICES SHALL BE PAINTED RED AND LABELED "FIRE ALARM". PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.
 - EXTERIOR FIRE ALARM STROBE. THE PURPOSE OF THIS STROBE IS TO PROVIDE A VISUAL INDICATION OF WHETHER THE BUILDING IS IN ALARM FROM THE OUTSIDE TO ASSIST THE LOCAL FIRE DEPARTMENT. REFER TO SHEET F406 FOR ADDITIONAL INFORMATION.

LEVEL 1 FIRE ALARM PLAN - NEW WORK (NORTH)
 SCALE: 3/32" = 1'-0"

STATE OF MISSOURI
 MICHAEL L. PARSON,
 GOVERNOR



PROFESSIONAL SEAL



LEVEL 1



KEY PLAN



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PROFESSIONAL NUMBER: 034888-0
 MO CCA 202205263 - Curtis L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
 SMOKE DETECTION
 REPLACEMENT PROJECT

HARRY S. TRUMAN
 STATE OFFICE BUILDING
 JEFFERSON CITY, MO 65102

PROJECT # O2001-01
 SITE # 1001
 FACILITY # 3101001050

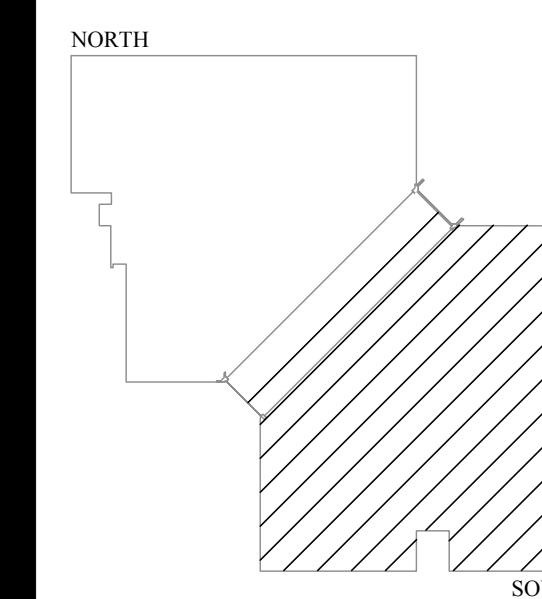
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ISSUE DATE:	03/22/2024
ISSUE REASON:	BID DOCUMENTS
PROJECT PHASE:	CD
CAD DWG FILE:	FA111
DRAWN BY:	KAN
CHECKED BY:	JGR
DESIGNED BY:	JGR

SHEET TITLE:
 LEVEL 1
 FIRE ALARM PLAN -
 NEW WORK

SHEET NUMBER:
FA111
 24 OF 53 SHEETS



PROFESSIONAL SEAL



LEVEL 1



KEY PLAN



InSite Group
DESIGNATION: SECURE, INTEGRITY
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ISSUE PROJECT NUMBER: 020001-01
MO CCA 20020563 - Curtis L. Brungardt, P.E. 2003016699

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FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION:
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA112
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:

LEVEL 1
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:

FA112

25 OF 53 SHEETS

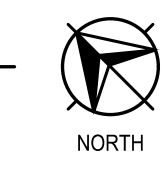
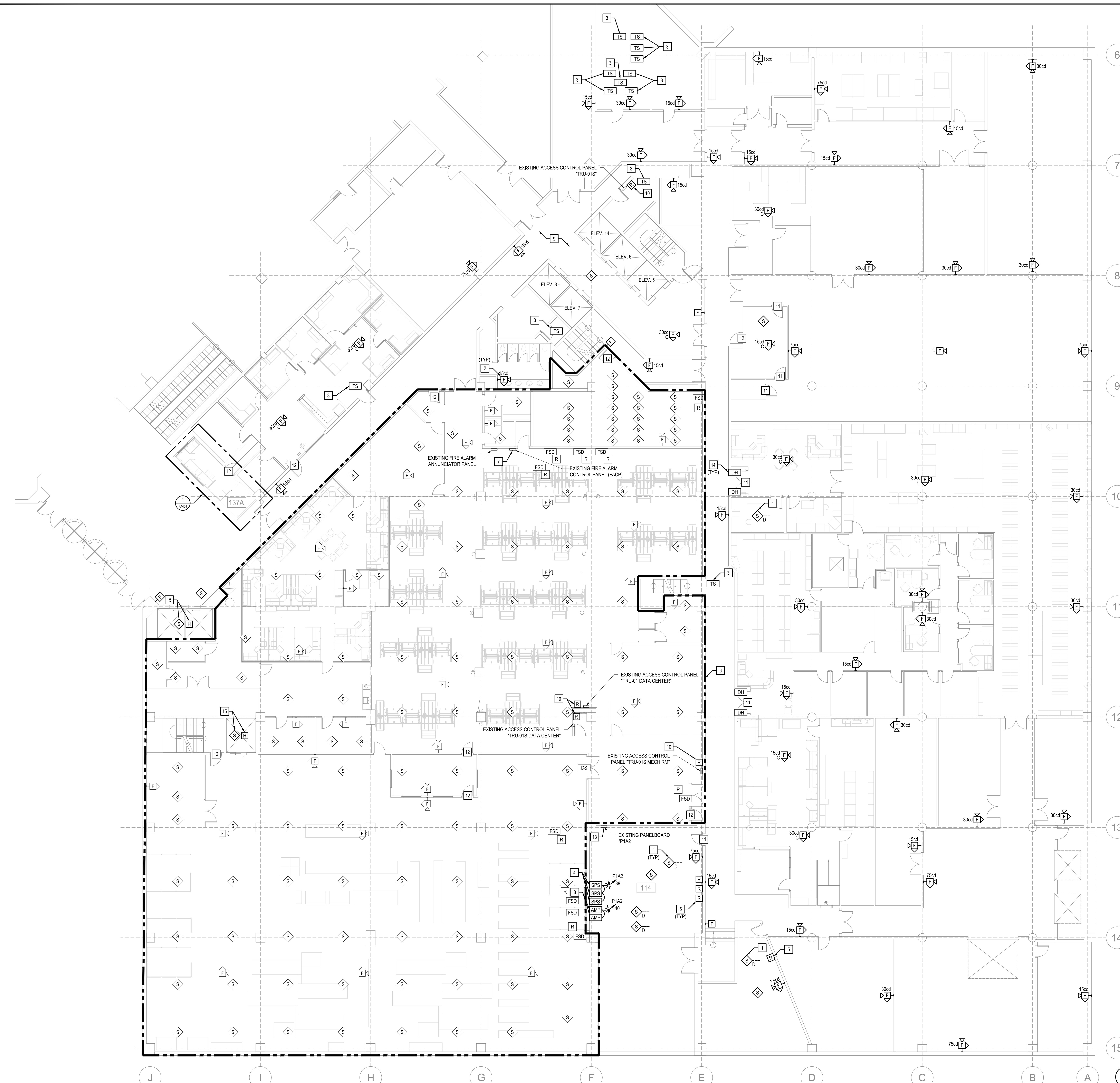
GENERAL NOTES:

- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1" OF COILED CABLE AND FLEXIBLE ARMORED CABLE. SO THE DEVICE CAN BE MOVED SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

KEYED NOTES: #

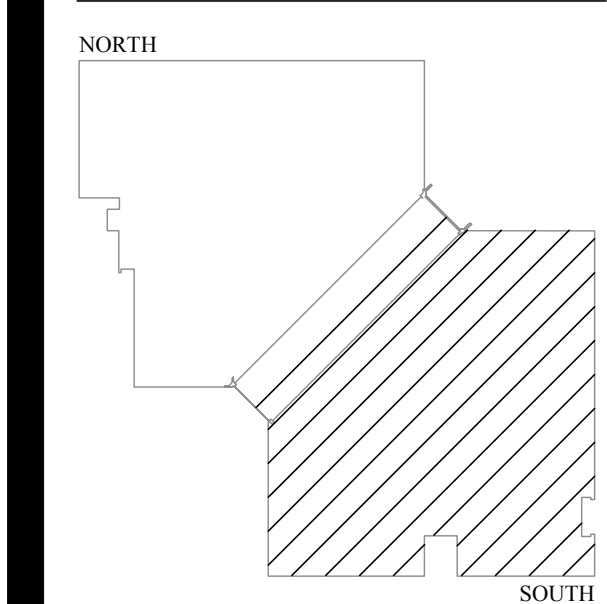
- EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED. INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED. COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
- WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, ENSURE THAT THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER. REPLACE BACK-BOX WHERE REQUIRED.
- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING. COORDINATE LOCATIONS IN THE FIELD. PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM STROBE PANEL POWER SUPPLY. EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD. PROVIDE NEW POWER CONNECTION AS SHOWN. PROVIDE WITH 90 MINUTE BATTERY BACK-UP. REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE FIRE ALARM SYSTEM IS IN ALARM. COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
- THE EXISTING FIRE ALARM SYSTEM IN THE DATA CENTER AREA IS TO REMAIN. THIS LOCATION HAS A NEWER FIRE ALARM SYSTEM AND NEWER DEVICES AND DOES NOT NEED UPDATED AS PART OF THIS PROJECT. THE NEW FIRE ALARM PANEL FOR THE BUILDING SHALL INTERFACE WITH THE DATA CENTER FIRE ALARM SYSTEM. PROVIDE ADDRESSABLE RELAY, SO THAT THE EXISTING FIRE ALARM SYSTEM IN THE DATA CENTER IS CONNECTED TO THE NEW BUILDING FIRE ALARM SYSTEM. THE EXISTING DATA CENTER FIRE ALARM PANEL SHALL BE A SINGLE ADDRESSABLE DEVICE ON THE NEW. THE TWO FIRE ALARM CONTROL PANELS SHALL INTERFACE SO THAT AN INITIATION ON ONE FIRE ALARM CONTROL PANEL INITIATES BOTH FIRE ALARM CONTROL PANELS. PROVIDE ALL CONDUIT, WIRING, AND OTHER EQUIPMENT TO MAKE THOSE CONNECTIONS.
- PROVIDE CONNECTION BETWEEN THE NEW BUILDING FIRE ALARM CONTROL PANEL AND THE EXISTING FIRE ALARM CONTROL PANEL IN THE EXISTING DATA CENTER. CONNECT THE FIRE ALARM PANELS SO THAT AN ALARM ON ONE PANEL PUTS BOTH SYSTEMS INTO ALARM. PROVIDE ALL REQUIRED CONDUIT, WIRING, CONNECTIONS, AND PROGRAMMING.
- NEW FIRE ALARM HORN AMPLIFIER PANEL. EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD. PROVIDE NEW POWER CONNECTION AS SHOWN. PROVIDE WITH 90 MINUTE BATTERY BACK-UP. REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS CONTRACTOR SHALL ASSUME SIK (B) LOCATIONS PER WING. ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- PROVIDE NEW FIRE ALARM RELAY(S) IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL. AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS. PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN. PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY. REFER TO DETAIL ON SHEET FA503 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- EXISTING ACCESS CONTROL DOOR SHALL REMAIN LOCKED WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE. WHERE NOT POSSIBLE OR WHERE NO BREAKER IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS STYLE AND RATING. PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH THE NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES. LOCKOUT DEVICE SHALL BE PAINTED RED AND LABELED "FIRE ALARM". PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.
- PROVIDE NEW MAGNETIC DOOR HOLD-OPENS. MAGNETIC DOOR HOLD-OPENS SHALL RELEASE THE DOORS AND ALLOW THEM TO CLOSE WHILE THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- PROVIDE NEW SMOKE DETECTORS AND/OR HEAT DETECTORS LOCATED IN THE ELEVATOR PIT. MAKE ALL OTHER FIRE ALARM CONNECTIONS TO THE ELEVATOR CONTROLLERS TO PUT THE ELEVATOR INTO RECALL MODE.

**LEVEL 1 FIRE ALARM PLAN -
NEW WORK (SOUTH)**
SCALE: 3/32" = 1'-0"

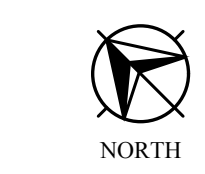




PROFESSIONAL SEAL



LEVEL 1



KEY PLAN



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ISS PROJECT NUMBER: 20400000
MO CCA 200200563 - Curtis L. Brungardt, P.E. 2003016693
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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA113
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 1
FIRE ALARM PLAN -
NEW WORK

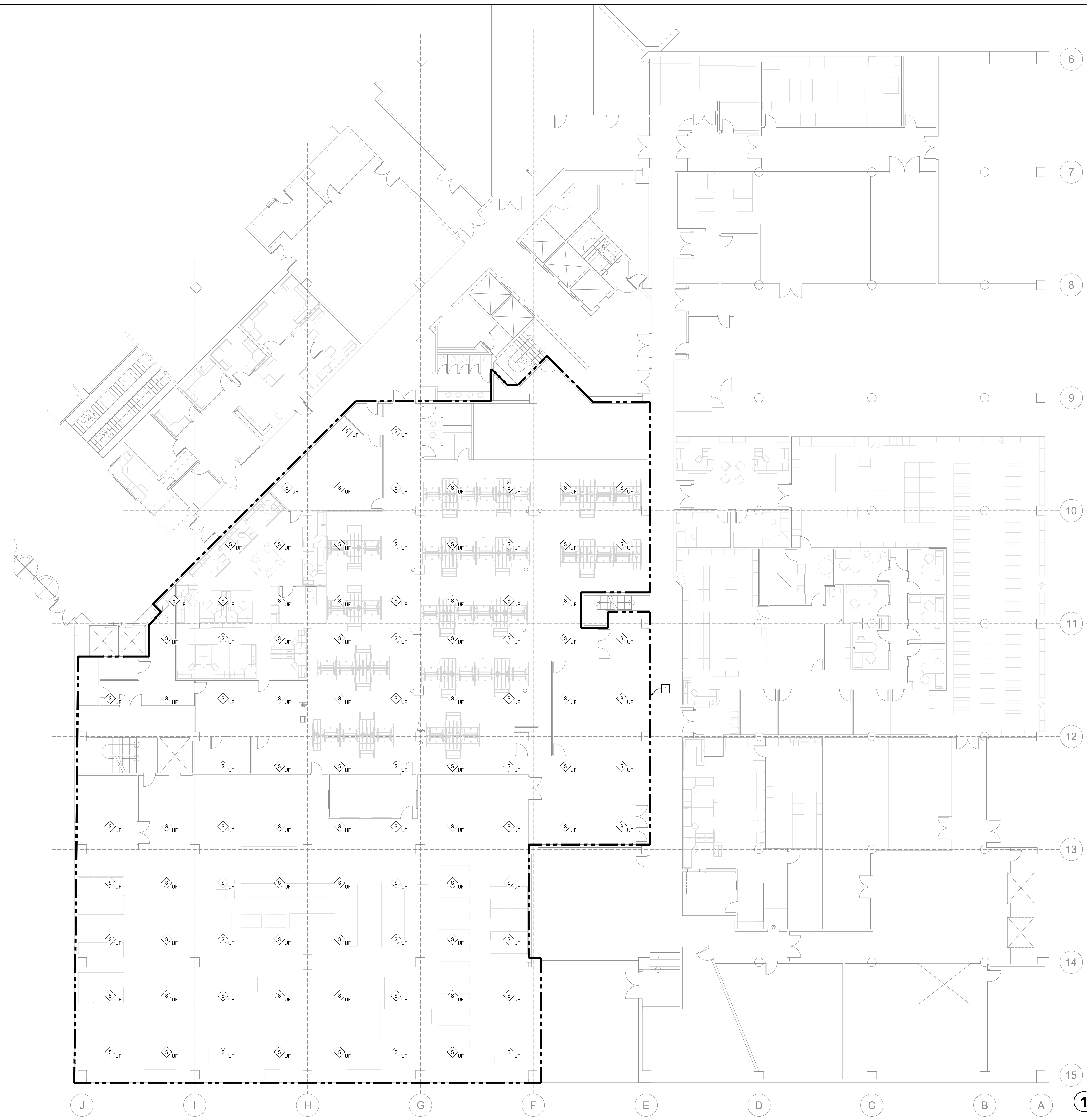
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FA113
26 OF 53 SHEETS

GENERAL NOTES:

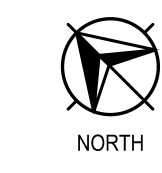
- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1/2" OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

KEYED NOTES: #

- THE EXISTING UNDER-FLOOR FIRE ALARM SYSTEM DEVICES IN THE DATA CENTER AREA ARE TO REMAIN, THIS LOCATION HAS A NEWER FIRE ALARM SYSTEM AND NEWER DEVICES AND DOES NOT NEED UPDATED AS PART OF THIS PROJECT. THE NEW FIRE ALARM PANEL FOR THE BUILDING SHALL INTERFACE WITH THE DATA CENTER FIRE ALARM SYSTEM DEVICES, REFER TO SHEET FA112 AND THE RISER DIAGRAM FOR ADDITIONAL INFORMATION ON THE FIRE ALARM SYSTEM.



**LEVEL 1 FIRE ALARM PLAN -
NEW WORK
(SOUTH UNDERFLOOR)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

- REFER TO F401 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1" OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

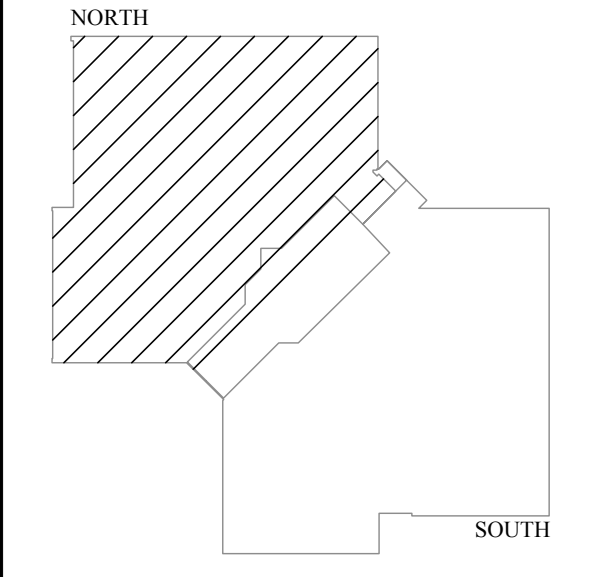
KEYED NOTES: #

- EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED, INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED, COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
- WHERE NEW FIRE ALARM DEVICES MOUNTED OVER THE EXISTING DEVICE, ENSURE THAT THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER, REPLACE BACK-BOX WHERE REQUIRED.
- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING, COORDINATE LOCATIONS IN THE FIELD, PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM STROBE PANEL, POWER SUPPLY, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE FIRE ALARM SYSTEM IS IN ALARM, COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
- NEW FIRE ALARM HORN AMPLIFIER PANEL, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR, CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM, NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS, CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT, CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS, ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- PROVIDE NEW FIRE ALARM RELAYS IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS, PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN, PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY, REFER TO DETAIL ON SHEET F403 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL, WHERE POSSIBLE, WHERE NOT POSSIBLE OR WHERE NO BREAKERS IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS' STYLE AND AIC RATING, PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES, LOCKOUT DEVICES SHALL BE PAINTED RED AND LABELED "FIRE ALARM", PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.
- PROVIDE CEILING-MOUNTED HORN/STROBE IN APPROXIMATE LOCATION SHOWN, HORN/STROBE IS MOUNTED ABOVE WALKWAY BETWEEN NORTH 2ND FLOOR OFFICES.
- PROVIDE CEILING-MOUNTED HORN/STROBE IN APPROXIMATE LOCATION SHOWN, HORN/STROBE IS MOUNTED UNDER 3RD FLOOR ATRIUM WALKWAY, REFER TO SHEET F411 FOR WALKWAY LOCATION.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 2



KEY PLAN



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PROFESSIONAL NUMBER: 030888-0
MO CCA 20020563 - Curtis L. Brungardt, P.E. 2003016699

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

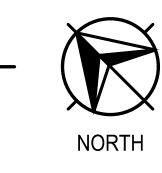
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REVISION: _____
DATE: _____
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA121
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 2
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA121
27 OF 53 SHEETS

**LEVEL 2 FIRE ALARM PLAN -
NEW WORK (NORTH)**
SCALE: 3/32" = 1'-0"





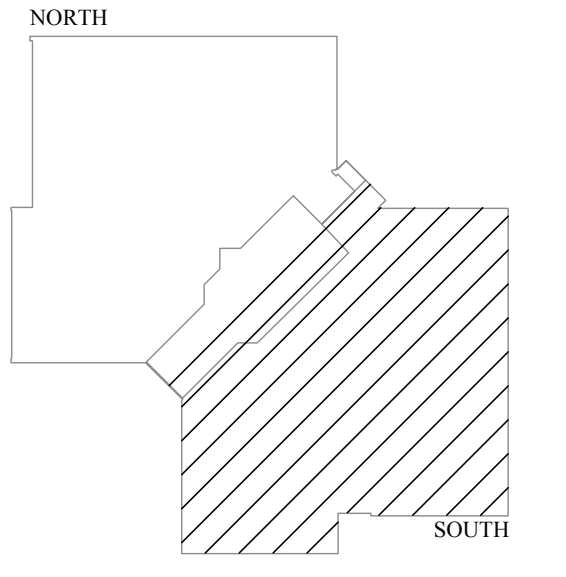
- GENERAL NOTES:**
- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
 - WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 15' OF COILED CABLE AND FLEXIBLE ARMORED CABLE. SO THE DEVICE CAN BE MOVED SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
 - ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.
- KEYED NOTES:**
- EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED. INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED. COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
 - WHERE NEW FIRE ALARM DEVICES MOUNTS OVER THE EXISTING DEVICE, ENSURE THAT THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER. REPLACE BACK-BOX WHERE REQUIRED.
 - NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING. COORDINATE LOCATIONS IN THE FIELD. PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
 - NEW FIRE ALARM STROBE PANEL POWER SUPPLY. EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD. PROVIDE NEW POWER CONNECTION AS SHOWN. PROVIDE WITH 90 MINUTE BATTERY BACK-UP. REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
 - PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE FIRE ALARM SYSTEM IS IN ALARM. COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
 - NEW FIRE ALARM HORN AMPLIFIER PANEL. EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD. PROVIDE NEW POWER CONNECTION AS SHOWN. PROVIDE WITH 90 MINUTE BATTERY BACK-UP. REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING. ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
 - PROVIDE NEW FIRE ALARM RELAY(S) IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY. PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS. PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN. PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY. REFER TO DETAIL ON SHEET FA003 FOR ADDITIONAL INFORMATION.
 - EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
 - CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE. WHERE NOT POSSIBLE OR WHERE NO BREAKER IS CURRENTLY INSTALLED. PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS STYLE AND IFC RATING. PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES. LOCKOUT DEVICES SHALL BE PAINTED RED AND LABELED "FIRE ALARM". PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.
 - PROVIDE HEAT DETECTOR AT TOP OF ELEVATOR SHAFT. IF ANY SPRINKLER IS PRESENT IN THE ELEVATOR SHAFT, THE HEAT DETECTOR SHALL GO INTO ALARM AT A LOWER TEMPERATURE THAN THE TEMPERATURE AT WHICH THE SPRINKLER IS ACTIVATED.
 - PROVIDE SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT. THE ELEVATOR SHALL RECALL TO THE LOWEST FLOOR WHICH IT SERVES WHEN THE FIRE ALARM SYSTEM IS IN ALARM.
 - PROVIDE NEW FIRE ALARM RELAY TO CONNECT TO PRESSURIZATION FAN AT TOP OF ELEVATOR SHAFT OR STAIRCASE AS NECESSARY. COORDINATE CONNECTIONS WITH THE FAN CONTROLLER, VFD, OR STARTER REQUIRED FOR ACTIVATION.

LEVEL 2 FIRE ALARM PLAN - NEW WORK (SOUTH)
 SCALE: 3/32" = 1'-0"

STATE OF MISSOURI
 MICHAEL L. PARSON,
 GOVERNOR



PROFESSIONAL SEAL



LEVEL 2



KEY PLAN



InSite Group
 DESIGNATION: SECURE, INTEGRITY
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ISS PROJECT NUMBER: 03-0888-0
 MO CCA 200205053 - Curtis L. Brungardt, P.E. 200301669

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DEPARTMENT OF
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FIRE ALARM AND
 SMOKE DETECTION
 REPLACEMENT PROJECT

HARRY S. TRUMAN
 STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
 SITE # 1001
 FACILITY # 3101001050

REVISION:
 DATE: _____
 REVISION:
 DATE: _____
 REVISION:
 DATE: _____

ISSUE DATE: 03/22/2024
 ISSUE REASON: BID DOCUMENTS
 PROJECT PHASE: CD

CAD DWG FILE: FA122
 DRAWN BY: KAN
 CHECKED BY: JGR
 DESIGNED BY: JGR

SHEET TITLE:
 LEVEL 2
 FIRE ALARM PLAN -
 NEW WORK

SHEET NUMBER:
FA122
 28 OF 53 SHEETS





GENERAL NOTES:

- REFER TO F401 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1/2" OF COILED CABLE AND FLEXIBLE ARMORED CABLE. SO THE DEVICE CAN BE MOVED SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

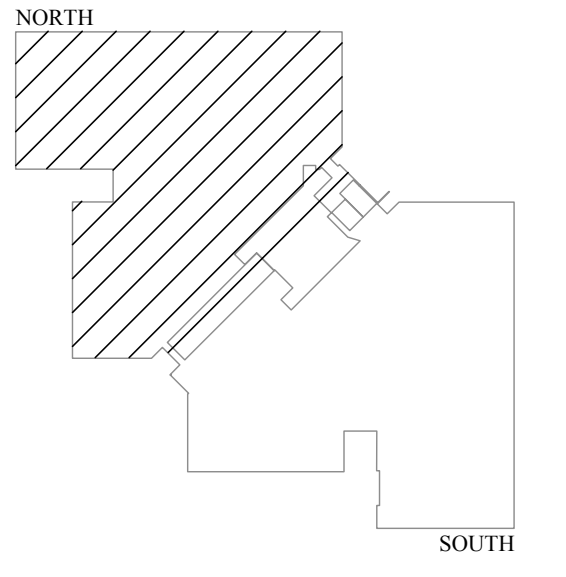
KEYED NOTES: #

- EXISTING DUCT-MOUNTED SMOKE DETECTOR TO BE REPLACED. INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED. COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
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- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING. COORDINATE LOCATIONS IN THE FIELD. PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
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- PROVIDE NEW FIRE ALARM SYSTEM RELAY TO OPERATE THE EXISTING FRESH AIR DAMPERS AND THE INTERNAL SET OF OCCUPANT ENTRY DOORS. PROVIDE ALL NECESSARY CONNECTIONS SO THAT THE DAMPERS AND DOORS OPERATING AN ALARM CONDITION. REPLACE ALL AIR PRESSURE SENSORS AND TRANSDUCERS. PROVIDE ALL ADDITIONAL CONDUIT, WIRING, AND EQUIPMENT DEVICES TO ENSURE THE DOORS AND DAMPERS OPEN IN A FIRE ALARM CONDITION. ANY ISSUES WITH EXISTING AIR LINES, AIR COMPRESSORS, OR OTHER AIR-RELATED MECHANISMS REQUIRED TO MECHANICALLY OPERATE THE DAMPERS AND/OR THE DOORS SHALL BE THE RESPONSIBILITY OF OTHERS. THIS CONTRACT INCLUDES THE FIRE ALARM SYSTEM SIGNAL CONNECTIONS AND THE DEVICE EQUIPMENT TO CONVERT THAT CONNECTIONSIGNAL TO AN AIR-OPERATED SYSTEM. COORDINATE CONNECTIONS WITH DAMPERS AND DOORS AS REQUIRED.
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- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- ROUTE CIRCUIT TO PANELBOARD ON LEVEL 2 AS SHOWN. CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE. WHERE NOT POSSIBLE OR WHERE NO BREAKER IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS STYLE AND AIC RATING. PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES. LOCKOUT DEVICE SHALL BE PAINTED RED AND LABELED "FIRE ALARM". PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE. COORDINATE ANY NECESSARY CONDUIT PENETRATIONS WITH ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, CONDUIT, ELECTRICAL EQUIPMENT, ETC.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 3
NORTH
KEY PLAN



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PROFESSIONAL ENGINEER
Curtis L. Brungardt, P.E. 2003016699

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DEPARTMENT OF
ADMINISTRATION
FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

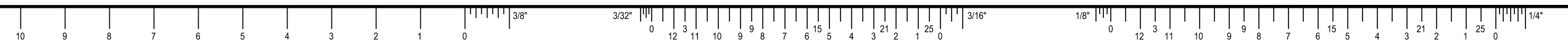
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REVISION: _____
DATE: _____
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA131
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 3
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA131
29 OF 53 SHEETS

**LEVEL 3 FIRE ALARM PLAN -
NEW WORK (NORTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

- REFER TO F401 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
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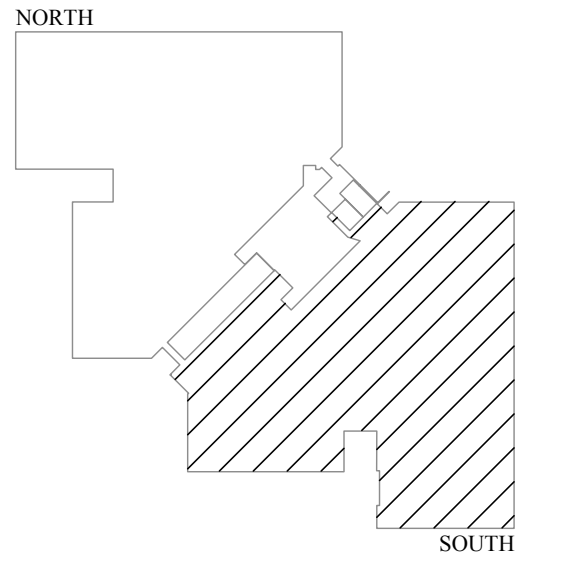
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- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- ROUTE CIRCUIT TO PANELBOARD ON LEVEL 4 AS SHOWN. CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE. WHERE NOT POSSIBLE OR WHERE NO BREAKERS ARE CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS STYLE AND AIC RATING. PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES. LOCKOUT DEVICE SHALL BE PAINTED RED AND LABELED "FIRE ALARM". PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE. COORDINATE ANY NECESSARY CONDUIT PENETRATIONS WITH ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, CONDUIT, ELECTRICAL EQUIPMENT, ETC.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 3



KEY PLAN



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00-PROJECT NUMBER: 03-0000-01
MO-COA-20020505-01 - Curis L. Brungardt, P.E. 2003016693

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DEPARTMENT OF
ADMINISTRATION
FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

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DATE: _____
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DATE: _____
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ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA132
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

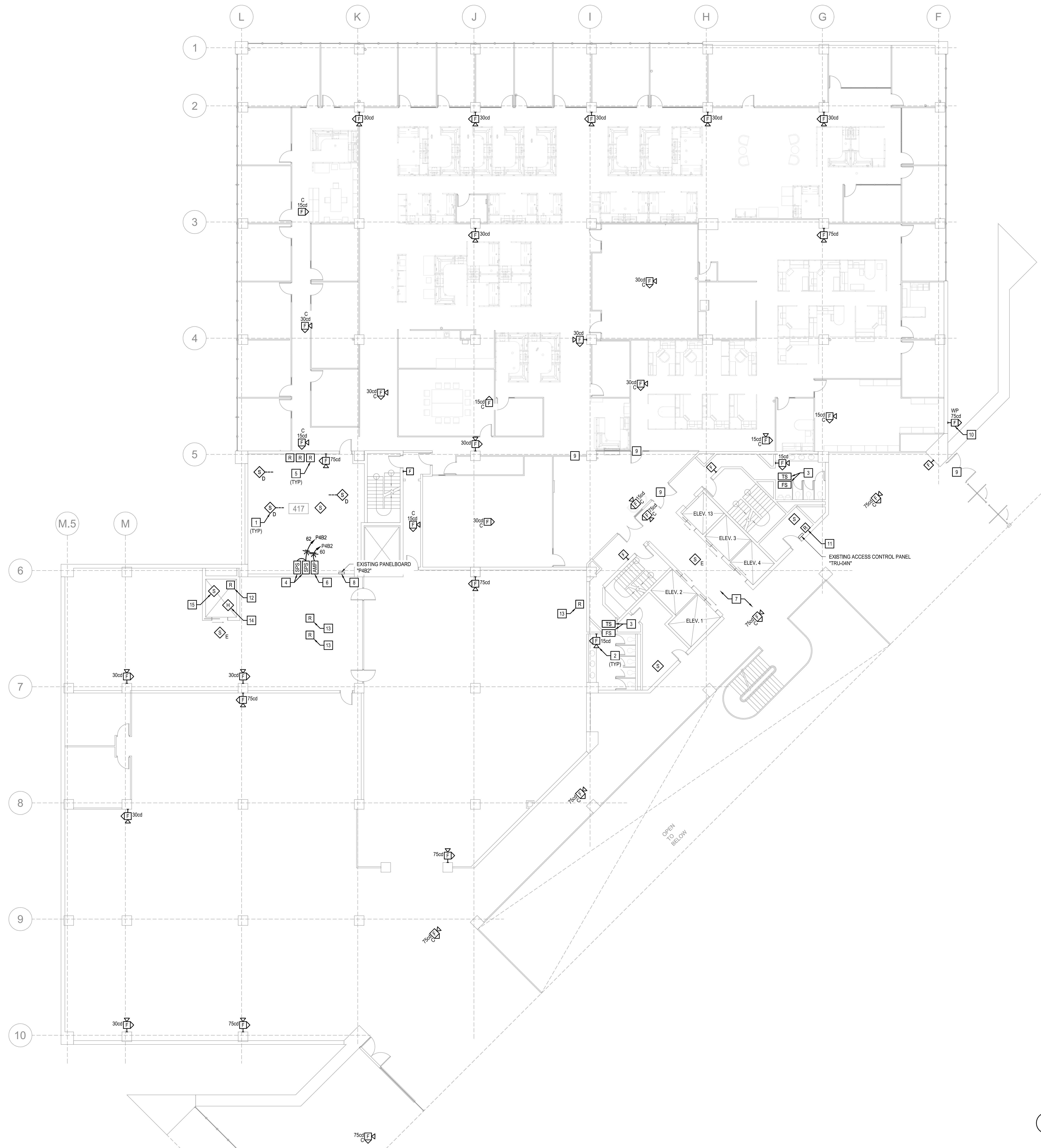
SHEET TITLE:
LEVEL 3
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA132

30 OF 53 SHEETS

**LEVEL 3 FIRE ALARM PLAN -
NEW WORK (SOUTH)**
SCALE: 3/32" = 1'-0"





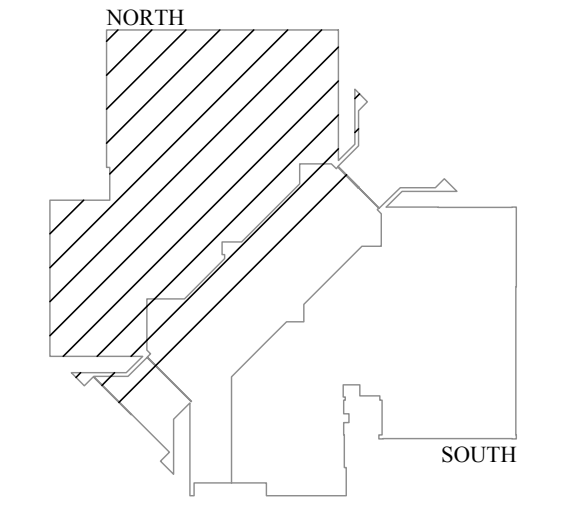
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 - EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
 - EXTERIOR FIRE ALARM STROBE, THE PURPOSE OF THIS STROBE IS TO PROVIDE A VISUAL INDICATION OF WHETHER THE BUILDING IS IN ALARM FROM THE OUTSIDE TO ASSIST THE LOCAL FIRE DEPARTMENT, REFER TO SHEET F406 FOR ADDITIONAL INFORMATION.
 - PROVIDE NEW FIRE ALARM RELAY(S) IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS, PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN, PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY, REFER TO DETAIL ON SHEET F403 FOR ADDITIONAL INFORMATION.
 - PROVIDE NEW FIRE ALARM RELAY TO CONNECT TO PRESSURIZATION FAN AT TOP OF ELEVATOR SHAFT OR STAIRCASE AS NECESSARY, COORDINATE CONNECTIONS WITH THE FAN CONTROLLER, VFD, OR STARTER REQUIRED FOR ACTIVATION.
 - PROVIDE NEW FIRE ALARM RELAY TO CONNECT TO EXISTING KITCHEN HOOD FIRE SUPPRESSION SYSTEM IN APPROXIMATE LOCATION SHOWN.
 - PROVIDE HEAT DETECTOR AT TOP OF ELEVATOR SHAFT, IF ANY SPRINKLER IS PRESENT IN THE ELEVATOR SHAFT, THE HEAT DETECTOR SHALL GO INTO ALARM AT A LOWER TEMPERATURE THAN THE TEMPERATURE AT WHICH THE SPRINKLER IS ACTIVATED.
 - PROVIDE SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT, THE ELEVATOR SHALL RECALL TO THE LOWEST FLOOR WHICH IT SERVES WHEN THE FIRE ALARM SYSTEM IS IN ALARM.

LEVEL 4 FIRE ALARM PLAN - NEW WORK (NORTH)
 SCALE: 3/32" = 1'-0"

STATE OF MISSOURI
 MICHAEL L. PARSON,
 GOVERNOR



PROFESSIONAL SEAL



LEVEL 4



KEY PLAN



PROJECT NUMBER: 204888-0
 MO CCA 202005653 - Curtis L. Brungardt, P.E. 2003016699
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FIRE ALARM AND
 SMOKE DETECTION
 REPLACEMENT PROJECT

HARRY S. TRUMAN
 STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
 SITE # 1001
 FACILITY # 3101001050

REVISION: _____
 DATE: _____
 REVISION: _____
 DATE: _____
 REVISION: _____
 DATE: _____
 ISSUE DATE: 03/22/2024
 ISSUE REASON: BID DOCUMENTS
 PROJECT PHASE: CD

CAD DWG FILE: FA141
 DRAWN BY: KAN
 CHECKED BY: JGR
 DESIGNED BY: JGR

SHEET TITLE:
 LEVEL 4
 FIRE ALARM PLAN -
 NEW WORK

SHEET NUMBER:
FA141
 31 OF 53 SHEETS



GENERAL NOTES:

- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 15' OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED, SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOTABLE TO BE INSTALLED AS DEPICTED IN PLANS.

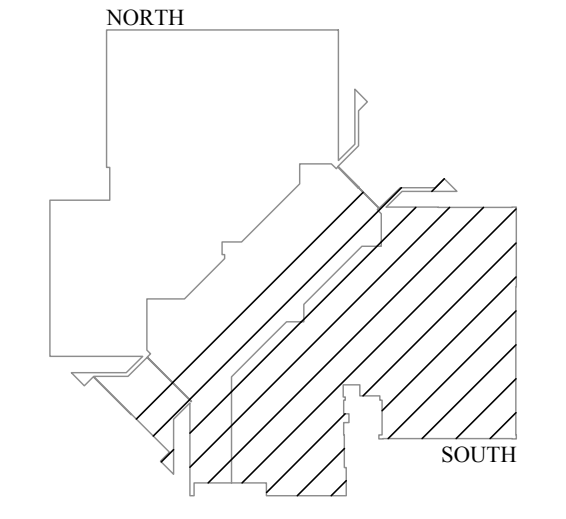
KEYED NOTES: #

- EXISTING DUCT MOUNTED SMOKE DETECTOR TO BE REPLACED, INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED, COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
- WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, COORDINATE THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER, REPLACE BACK-BOX WHERE REQUIRED.
- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING, COORDINATE LOCATIONS IN THE FIELD, PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM STROBE PANEL POWER SUPPLY, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE SYSTEM IS IN ALARM, COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
- NEW FIRE ALARM HORN AMPLIFIER PANEL, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR, CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM, NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS, CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING, ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT, CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS, ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- PROVIDE NEW FIRE ALARM RELAYS IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS, PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN, PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY, REFER TO DETAIL ON SHEET FA503 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE, WHERE NOT POSSIBLE OR WHERE NO BREAKER IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS' STYLE AND AIC RATING, PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT 'LOOKOUT' DEVICES, 'LOOKOUT' DEVICE SHALL BE PAINTED RED AND LABELED 'FIRE ALARM', PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.
- LECTURE HALL EXTENDS BETWEEN 4TH AND 5TH LEVELS, REFER TO SHEET FA152 FOR FIRE ALARM DEVICES IN THIS ROOM.
- NEW FIRE ALARM ANNUNCIATOR PANEL, THIS PANEL SHALL BE FLUSH-MOUNTED, COORDINATE BEST PLACEMENT IN THE FIELD.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 4



KEY PLAN



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PROJ. NUMBER: 03-0000-01
MO. REG. NO. 00000563 - Curtis L. Brungardt, P.E. 000005630
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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA142
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 4
FIRE ALARM PLAN -
NEW WORK

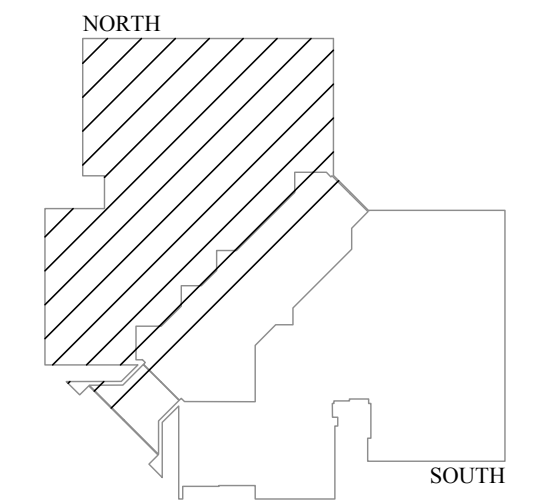
SHEET NUMBER:
FA142
32 OF 53 SHEETS

**LEVEL 4 FIRE ALARM PLAN -
NEW WORK (SOUTH)**
SCALE: 3/32" = 1'-0"





PROFESSIONAL SEAL



LEVEL 5



KEY PLAN



InSite Group
SPECIALTY IN ELECTRICAL, INTERIORITY

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PROFESSIONAL NUMBER: 034888-0
MO CCA 200205653 - Curtis L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
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REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA151
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 5
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA151
33 OF 53 SHEETS

GENERAL NOTES:

- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1/2" OF COILED CABLE AND FLEXIBLE ARMORED CABLE. SO THE DEVICE CAN BE MOVED, SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

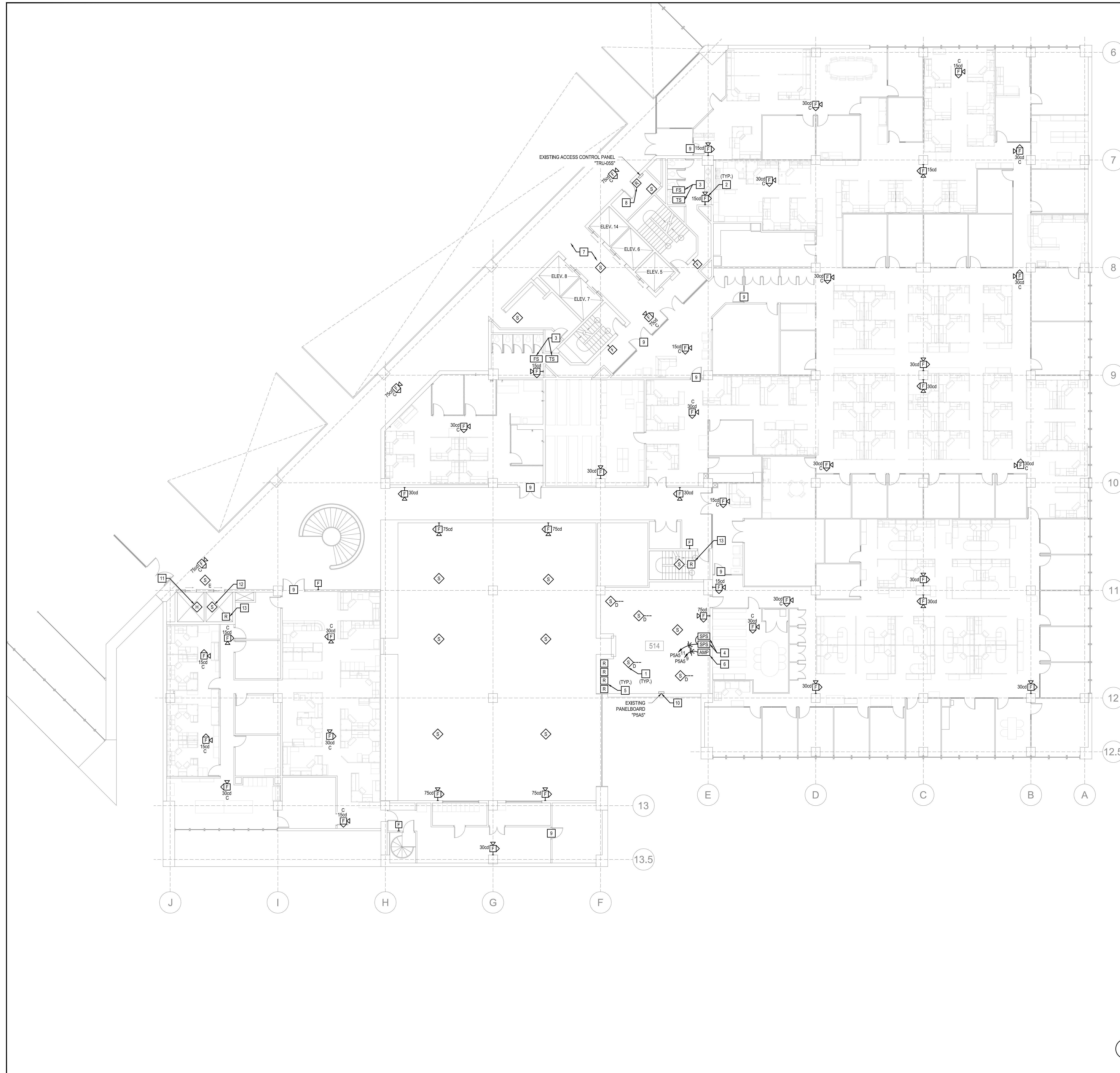
KEYED NOTES:

- EXISTING DUCT MOUNTED SMOKE DETECTOR TO BE REPLACED, INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED, COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
- WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, COORDINATE THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER, REPLACE BACK-BOX WHERE REQUIRED.
- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING, COORDINATE LOCATIONS IN THE FIELD, PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM STROBE PANEL POWER SUPPLY, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE SYSTEM IS IN ALARM, COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
- NEW FIRE ALARM HORN AMPLIFIER PANEL, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR, CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM, NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS, CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT, CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS, ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- PROVIDE NEW FIRE ALARM RELAY(S) IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS, PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN, PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY, REFER TO DETAIL ON SHEET FA503 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- ROUTE CIRCUIT TO PANELBOARD ON LEVEL 5 AS SHOWN, CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE, WHERE NOT POSSIBLE OR WHERE NO BREAKER IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS STYLE AND AIC RATING, PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES, LOCKOUT DEVICE SHALL BE PAINTED RED AND LABELED "FIRE ALARM", PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE, COORDINATE ANY NECESSARY CONDUIT PENETRATIONS WITH ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, CONDUIT, ELECTRICAL EQUIPMENT, ETC.
- PROVIDE NEW FIRE ALARM RELAY TO CONNECT TO PRESSURIZATION FAN AT TOP OF ELEVATOR SHAFT OR STAIRCASE AS NECESSARY, COORDINATE CONNECTIONS WITH THE FAN CONTROLLER, VFD, OR STARTER REQUIRED FOR ACTIVATION.



**LEVEL 5 FIRE ALARM PLAN -
NEW WORK (NORTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

- REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1" OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED, SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

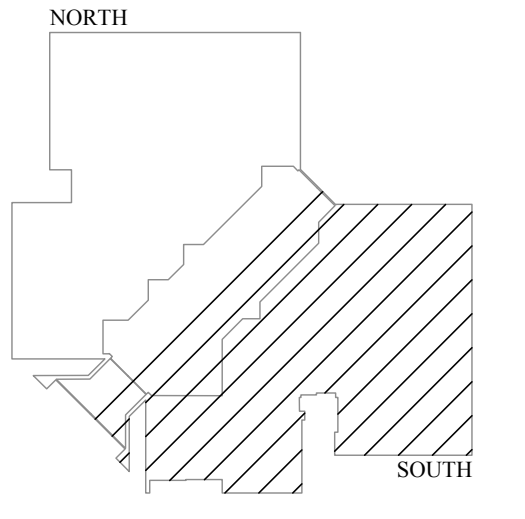
KEYED NOTES:

- EXISTING DUCT MOUNTED SMOKE DETECTOR TO BE REPLACED, INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED, COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
- WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, COORDINATE THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER, REPLACE BACK-BOX WHERE REQUIRED.
- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING, COORDINATE LOCATIONS IN THE FIELD, PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM STROBE PANEL POWER SUPPLY, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE SYSTEM IS IN ALARM, COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
- NEW FIRE ALARM HORN AMPLIFIER PANEL, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR, CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM, NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS, CONTRACTOR SHALL ASSUME 8"(6) LOCATIONS PER WING, ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT, CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS, ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- PROVIDE NEW FIRE ALARM RELAY(S) IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS, PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN, PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY, REFER TO DETAIL ON SHEET FAS03 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL, WHERE POSSIBLE, WHERE NOT POSSIBLE OR WHERE NO BREAKER IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS' STYLE AND AIC RATING, PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT 'LOOKOUT' DEVICES, 'LOOKOUT' DEVICE SHALL BE PAINTED RED AND LABELED 'FIRE ALARM', PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.
- PROVIDE HEAT DETECTOR AT TOP OF ELEVATOR SHAFT, IF ANY SPRINKLER IS PRESENT IN THE ELEVATOR SHAFT, THE HEAT DETECTOR SHALL GO INTO ALARM AT A LOWER TEMPERATURE THAN THE TEMPERATURE AT WHICH THE SPRINKLER IS ACTIVATED.
- PROVIDE SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT, THE ELEVATOR SHALL RECALL TO THE LOWEST FLOOR WHICH IT SERVES WHEN THE FIRE ALARM SYSTEM IS IN ALARM.
- PROVIDE NEW FIRE ALARM RELAY TO CONNECT TO PRESSURIZATION FAN AT TOP OF ELEVATOR SHAFT OR STAIRCASE AS NECESSARY, COORDINATE CONNECTIONS WITH THE FAN CONTROLLER, VFD, OR STARTER REQUIRED FOR ACTIVATION.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 5



KEY PLAN



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PROJ. NO. 20200563 - Curtis L. Brungardt, P.E. 2003016693
MO CEA 20020563 - Curtis L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA152
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 5
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA152

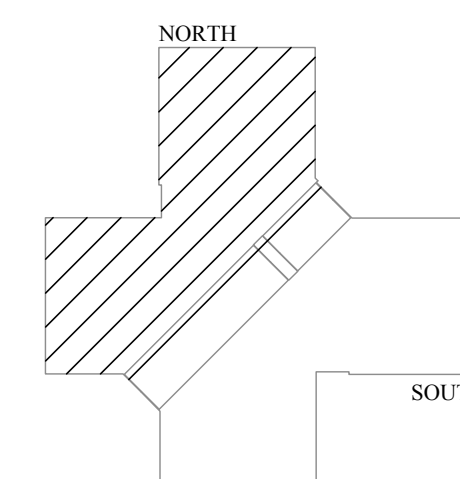
34 OF 53 SHEETS

**LEVEL 5 FIRE ALARM PLAN -
NEW WORK (SOUTH)**
1 SCALE: 3/32" = 1'-0"





PROFESSIONAL SEAL



LEVEL 6



KEY PLAN



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PROJ. NO. 20200563 - Curtis L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
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DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA161
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:

LEVEL 6
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA161

35 OF 53 SHEETS

GENERAL NOTES:

- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1/2" OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED, SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

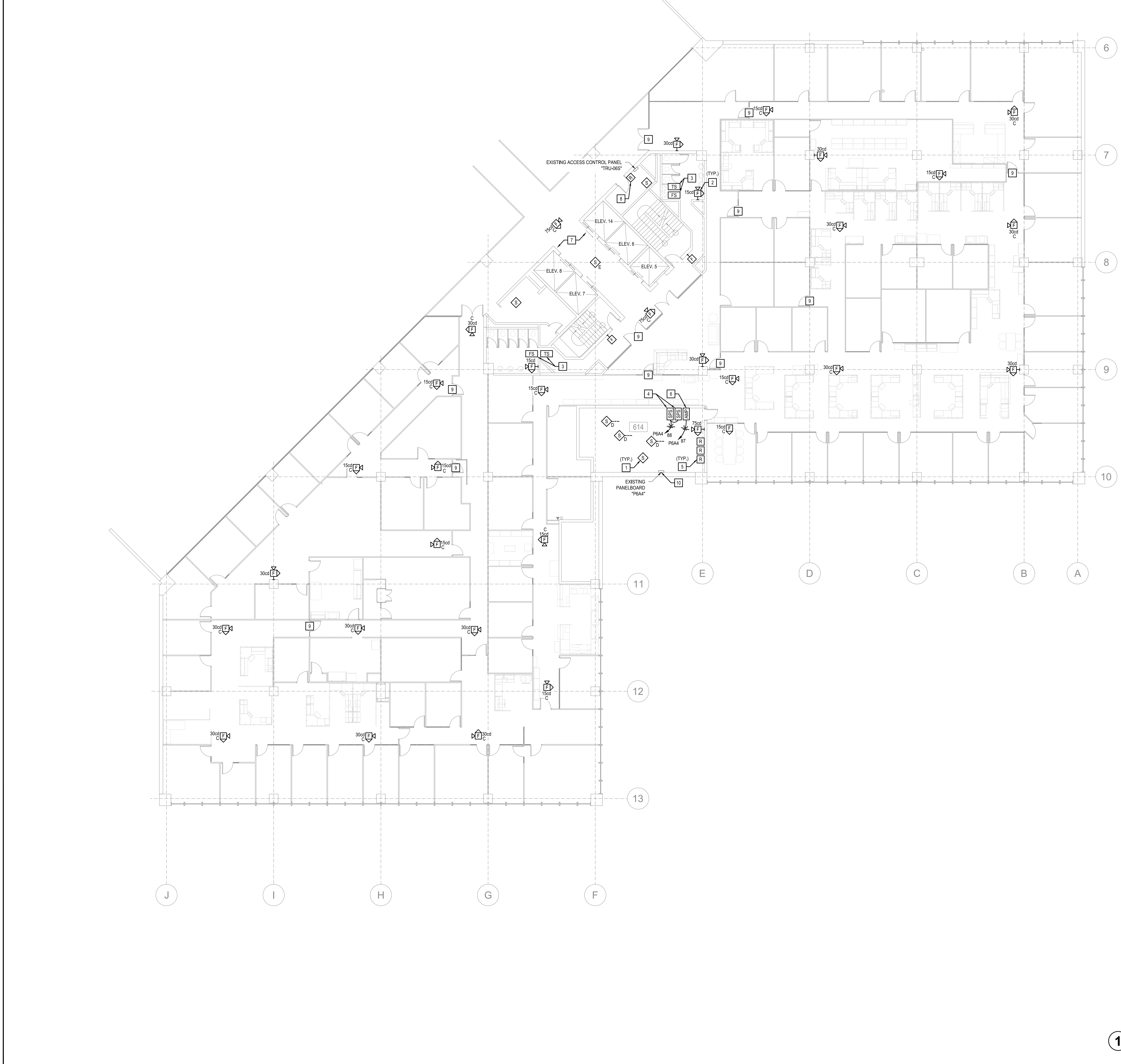
KEYED NOTES:

- EXISTING DUCT MOUNTED SMOKE DETECTOR TO BE REPLACED, INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED, COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
- WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, COORDINATE THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER, REPLACE BACK-BOX WHERE REQUIRED.
- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING, COORDINATE LOCATIONS IN THE FIELD, PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM STROBE PANEL POWER SUPPLY, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE SYSTEM IS IN ALARM, COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
- NEW FIRE ALARM HORN AMPLIFIER PANEL, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR, CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM, NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS, CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING, ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT, CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS, ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- PROVIDE NEW FIRE ALARM RELAYS IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS, PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN, PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY, REFER TO DETAIL ON SHEET FA503 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- CONNECT THE NEW CIRCUITS TO THE EXISTING SPARE BREAKERS IN THE PANEL, WHERE POSSIBLE, WHERE NOT POSSIBLE OR WHERE NO BREAKER IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS' STYLE AND AIC RATING, PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES, LOCKOUT DEVICE SHALL BE PAINTED RED AND LABELED "FIRE ALARM", PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.



**LEVEL 6 FIRE ALARM PLAN -
NEW WORK (NORTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1/2" OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED, SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

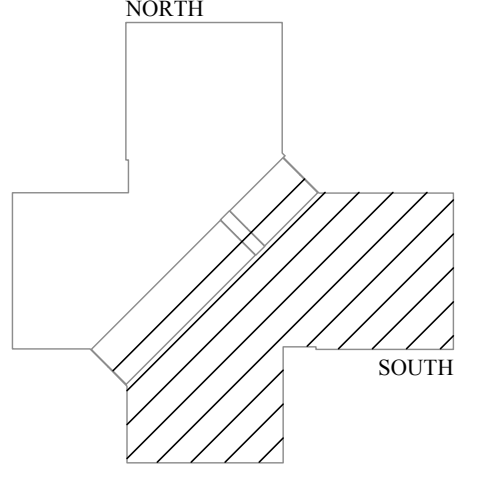
KEYED NOTES:

- EXISTING DUCT MOUNTED SMOKE DETECTOR TO BE REPLACED, INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED, COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
- WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, COORDINATE THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER, REPLACE BACK-BOX WHERE REQUIRED.
- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING, COORDINATE LOCATIONS IN THE FIELD, PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM STROBE PANEL POWER SUPPLY, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE SYSTEM IS IN ALARM, COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
- NEW FIRE ALARM HORN AMPLIFIER PANEL, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR, CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM, NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS, CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING, ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT, CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS, ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- PROVIDE NEW FIRE ALARM RELAY(S) IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS, PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN, PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY, REFER TO DETAIL ON SHEET FA03 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL, WHERE POSSIBLE, WHERE NOT POSSIBLE OR WHERE NO BREAKER IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS' STYLE AND AIC RATING, PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES, LOCKOUT DEVICES SHALL BE PAINTED RED AND LABELED "FIRE ALARM", PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 6



KEY PLAN



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PROJ. NO. 20200563 - Curtis L. Brungardt, P.E. 2003016699
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DEPARTMENT OF
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FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

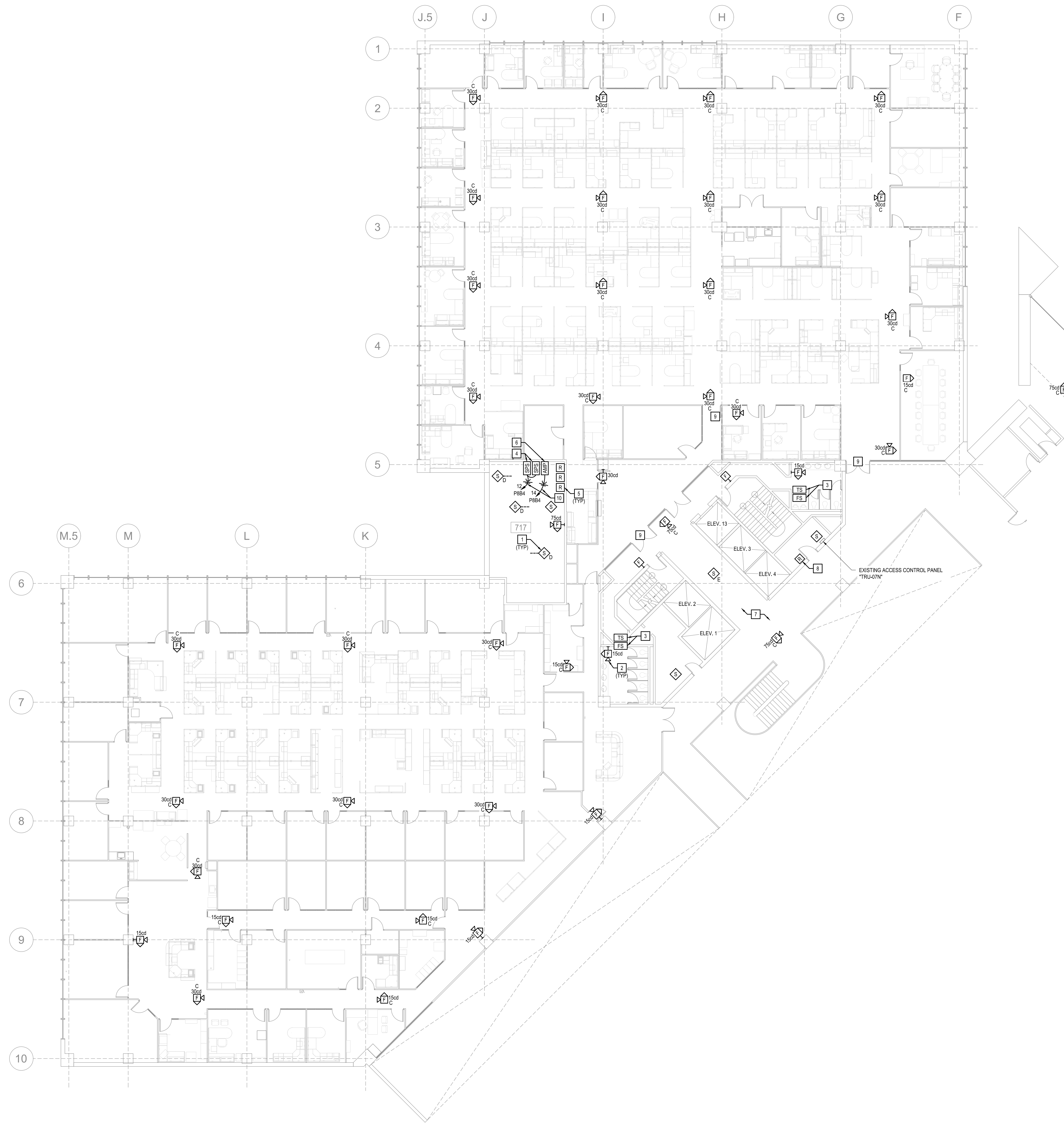
CAD DWG FILE: FA162
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 6
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA162
36 OF 53 SHEETS

**LEVEL 6 FIRE ALARM PLAN -
NEW WORK (SOUTH)**
SCALE: 3/32" = 1'-0"





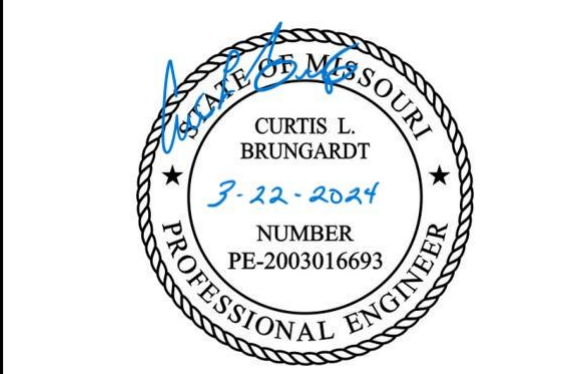
GENERAL NOTES:

- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1/2" OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED, SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

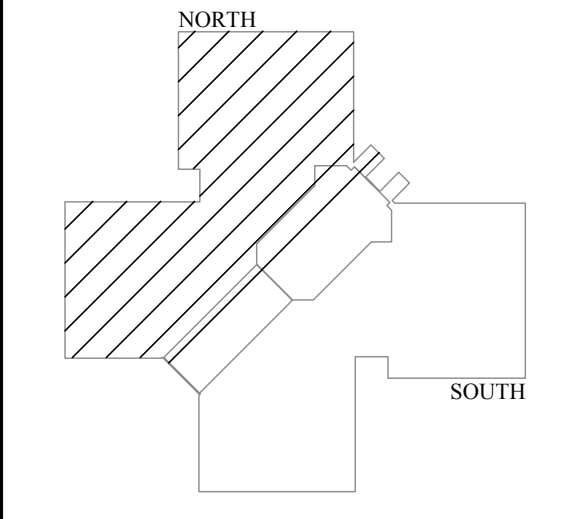
KEYED NOTES:

- EXISTING DUCT MOUNTED SMOKE DETECTOR TO BE REPLACED, INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED, COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
- WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, COORDINATE THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER, REPLACE BACK-BOX WHERE REQUIRED.
- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING, COORDINATE LOCATIONS IN THE FIELD, PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM STROBE PANEL POWER SUPPLY, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE SYSTEM IS IN ALARM, COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
- NEW FIRE ALARM HORN AMPLIFIER PANEL, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR, CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM, NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS, CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT, CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS, ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- PROVIDE NEW FIRE ALARM RELAY(S) IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS, PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN, PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY, REFER TO DETAIL ON SHEET FA503 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- ROUTE CIRCUIT TO PANELBOARD ON LEVEL 6 AS SHOWN, CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE, WHERE NOT POSSIBLE OR WHERE NO BREAKER IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS STYLE AND AIC RATING, PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES, LOCKOUT DEVICE SHALL BE PAINTED RED AND LABELED "FIRE ALARM", PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE, COORDINATE ANY NECESSARY CONDUIT PENETRATIONS WITH ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, CONDUIT, ELECTRICAL EQUIPMENT, ETC.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 7



KEY PLAN



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PROFESSIONAL ENGINEER
Curtis L. Brungardt, No. 2003016699
MISSOURI PROFESSIONAL ENGINEER

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

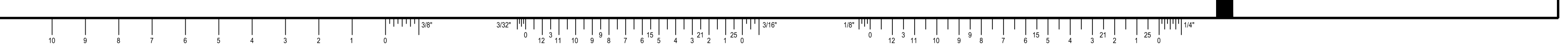
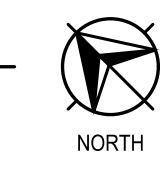
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA171
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 7
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA171
37 OF 53 SHEETS

**LEVEL 7 FIRE ALARM PLAN -
NEW WORK (NORTH)**
SCALE: 3/32" = 1'-0"





GENERAL NOTES:

- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 15' OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED, SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

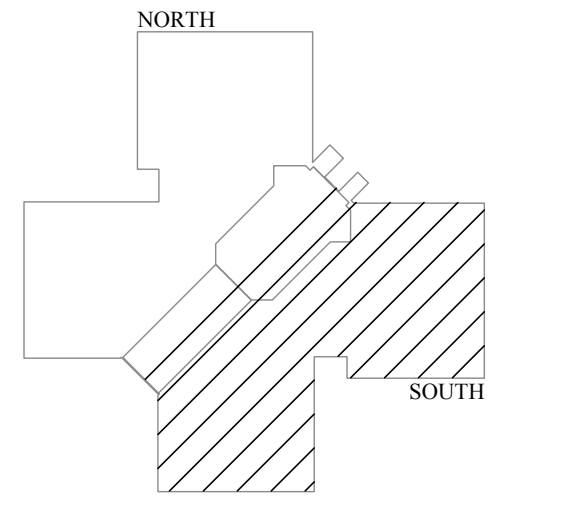
KEYED NOTES:

- EXISTING DUCT MOUNTED SMOKE DETECTOR TO BE REPLACED. INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED. COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
- WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, COORDINATE THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER, REPLACE BACK-BOX WHERE REQUIRED.
- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING, COORDINATE LOCATIONS IN THE FIELD. PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM STROBE PANEL POWER SUPPLY. EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD. PROVIDE NEW POWER CONNECTION AS SHOWN. PROVIDE WITH 90 MINUTE BATTERY BACK-UP. REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE SYSTEM IS IN ALARM. COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
- NEW FIRE ALARM HORN AMPLIFIER PANEL. EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD. PROVIDE NEW POWER CONNECTION AS SHOWN. PROVIDE WITH 90 MINUTE BATTERY BACK-UP. REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- PROVIDE NEW FIRE ALARM RELAYS IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY. PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS. PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN. PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY. REFER TO DETAIL ON SHEET FA503 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE. WHERE NOT POSSIBLE OR WHERE NO BREAKERS IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS' STYLE AND AIC RATING. PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES. LOCKOUT DEVICES SHALL BE PAINTED RED AND LABELED "FIRE ALARM". PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 7



KEY PLAN



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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
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DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

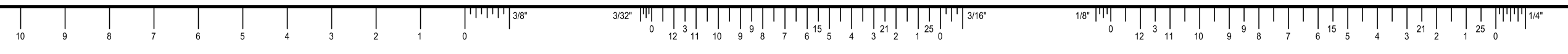
CAD DWG FILE: FA172
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 7
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA172

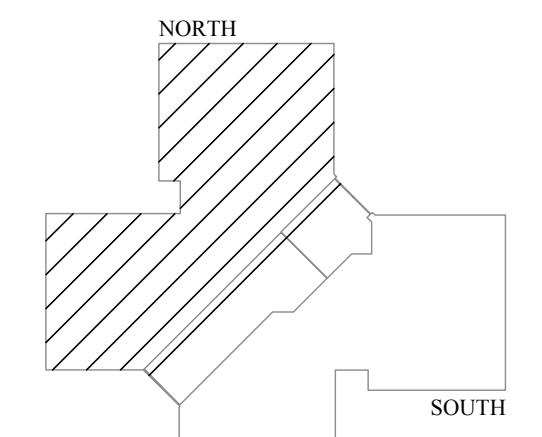
38 OF 53 SHEETS

**LEVEL 7 FIRE ALARM PLAN -
NEW WORK (SOUTH)**
SCALE: 3/32" = 1'-0"





PROFESSIONAL SEAL



LEVEL 8



KEY PLAN



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MO CCA 20020563 - Curtis L. Brungardt, P.E. 2003016699
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FIRE ALARM AND
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REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION:
DATE: _____
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DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA181
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 8
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA181

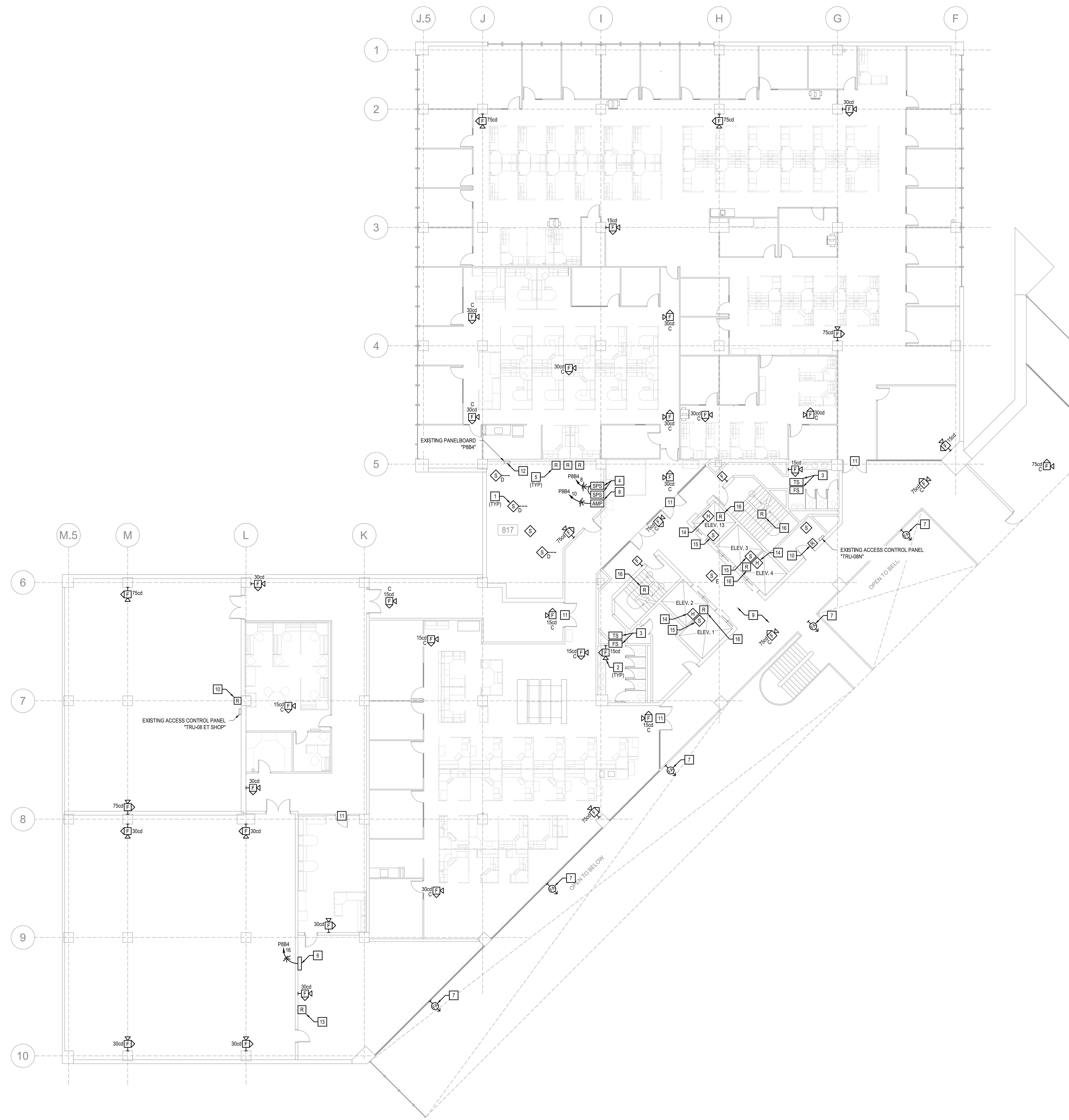
39 OF 53 SHEETS

GENERAL NOTES:

- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1/2" OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED, SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
- ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.

KEYED NOTES: #

- EXISTING DUCT MOUNTED SMOKE DETECTOR TO BE REPLACED, INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED, COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
- WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, COORDINATE THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER, REPLACE BACK-BOX WHERE REQUIRED.
- NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING, COORDINATE LOCATIONS IN THE FIELD, PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM STROBE PANEL, POWER SUPPLY, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAILS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE SYSTEM IS IN ALARM, COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
- PROVIDE 120 VOLT TO 24 VDC POWER SUPPLY FOR THE BEAM DETECTOR SYSTEM, COORDINATE EXACT LOCATION WITH ACTUAL FIELD CONDITIONS, MODIFY LOCATIONS AS NEEDED, PROVIDE POWER SUPPLY WITH BACK-UP BATTERY POWER, ROUTE LOW VOLTAGE CABLING TO EACH BEAM DETECTOR TRANSMITTER, PROVIDE 120 VOLT CIRCUIT TO THE POWER SUPPLY.
- PROVIDE BEAM DETECTOR TRANSMITTER MOUNTED 24" BELOW THE EXISTING SERVICE TROLLEY RAIL, INSTALL 50 AS NOT TO INTERFERE WITH THE TRAM OPERATION, ALONG BEAM DETECTOR DURING INITIAL INSTALLATION AND THEN AT SIX MONTH AND ONE YEAR INTERVALS, PROPERLY LABEL THE DETECTOR, CONNECT TO THE FIRE ALARM SYSTEM AND THE POWER SUPPLY, TEST THE BEAM DETECTOR SYSTEM DURING ROUTINE FIRE ALARM SYSTEM TESTING.
- NEW FIRE ALARM HORN AMPLIFIER PANEL, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR, CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM, NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS, CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT, CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS, ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
- PROVIDE NEW FIRE ALARM RELAY(S) IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS, PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN, PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANEL AS NECESSARY, REFER TO DETAIL ON SHEET FA003 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE, WHERE NOT POSSIBLE OR WHERE NO BREAKERS CURRENTLY IS INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS STYLE AND AIC RATING, PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES, LOCKOUT DEVICES SHALL BE PAINTED RED AND LABELED "FIRE ALARM", PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.
- PROVIDE NEW FIRE ALARM RELAY TO ACTIVATE THE ATRIUM SMOKE EVACUATION FAN WHEN THE FIRE ALARM SYSTEM IS IN ALARM, COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR ACTIVATION.
- PROVIDE HEAT DETECTOR AT TOP OF ELEVATOR SHAFT, IF ANY SPRINKLER IS PRESENT IN THE ELEVATOR SHAFT, THE HEAT DETECTOR SHALL GO INTO ALARM AT A LOWER TEMPERATURE THAN THE TEMPERATURE AT WHICH THE SPRINKLER IS ACTIVATED.
- PROVIDE SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT, THE ELEVATOR SHALL RECALL TO THE LOWEST FLOOR WHICH IT SERVES WHEN THE FIRE ALARM SYSTEM IS IN ALARM.
- PROVIDE NEW FIRE ALARM RELAY TO CONNECT TO PRESSURIZATION FAN AT TOP OF ELEVATOR SHAFT OR STAIRCASE AS NECESSARY, COORDINATE CONNECTIONS WITH THE FAN CONTROLLER, VFD, OR STARTER REQUIRED FOR ACTIVATION.



**LEVEL 8 FIRE ALARM PLAN -
NEW WORK (NORTH)**
SCALE: 3/32" = 1'-0"



1

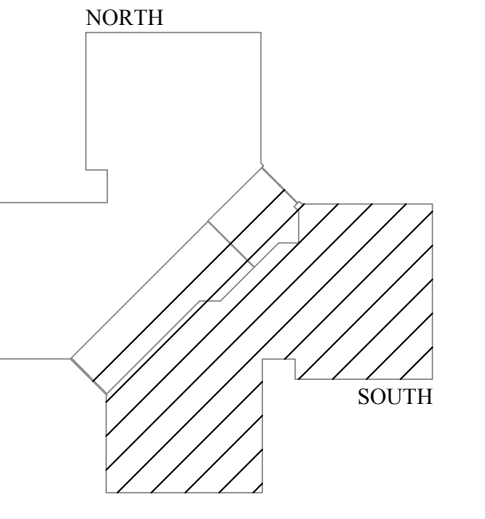


- GENERAL NOTES:**
- REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.
 - WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING, THE CONTRACTOR SHALL INSTALL 1/2" OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED, SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.
 - ARCHITECTURAL WALL LAYOUT AND FURNITURE LAYOUT MAY NOT BE DEPICTED ACCURATELY, THE WALLS AND OFFICE SPACES IN THIS BUILDING ARE MODULAR AND ARE SOMETIMES ADJUSTED BY BUILDING OCCUPANTS, COORDINATE WITH ENGINEER AND OWNER WHERE DEVICES OR EQUIPMENT ARE NOT ABLE TO BE INSTALLED AS DEPICTED IN PLANS.
- KEYED NOTES:**
- EXISTING DUCT MOUNTED SMOKE DETECTOR TO BE REPLACED, INSTALL NEW DETECTOR IN THE RETURN AIR DUCT AS REQUIRED, COORDINATE SAMPLING TUBE LENGTH WITH THE EXISTING CONDITIONS.
 - WHERE NEW FIRE ALARM DEVICE MOUNTS OVER THE EXISTING DEVICE, COORDINATE THE BACK BOX HAS ADEQUATE SPACE PER FIRE ALARM MANUFACTURER, REPLACE BACK-BOX WHERE REQUIRED.
 - NEW FLOW SWITCH AND TAMPER SWITCH INSTALLED IN THE AREA OF THE EXISTING, COORDINATE LOCATIONS IN THE FIELD, PROVIDE ALL ADDITIONAL DEVICES, HARDWARE, AND EQUIPMENT AS REQUIRED FOR CONNECTION TO THE EXISTING FLOW AND TAMPER SWITCH, ALONG WITH CONNECTION TO THE FIRE ALARM CONTROL PANEL.
 - NEW FIRE ALARM STROBE PANEL POWER SUPPLY, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
 - PROVIDE NEW FIRE ALARM RELAY TO SHUT DOWN THE HVAC UNIT WHEN THE SYSTEM IS IN ALARM, COORDINATE CONNECTIONS WITH THE HVAC CONTROLLER, VFD, OR STARTER AS REQUIRED FOR SHUT-DOWN.
 - PROVIDE 120 VOLT TO 24 VDC POWER SUPPLY FOR THE BEAM DETECTOR SYSTEM, COORDINATE EXACT LOCATION WITH ACTUAL FIELD CONDITIONS, MODIFY LOCATIONS AS NEEDED, PROVIDE POWER SUPPLY WITH BACK-UP BATTERY POWER, ROUTE LOW VOLTAGE CABLING TO EACH BEAM DETECTOR TRANSMITTER, PROVIDE 120 VOLT CIRCUIT TO THE POWER SUPPLY.
 - PROVIDE BEAM DETECTOR RECEIVER MOUNTED 24" BELOW THE EXISTING SERVICE 'TROLLEY' RAIL, INSTALL SO AS NOT TO INTERFERE WITH THE TRAM OPERATION, ALIGN BEAM DETECTOR DURING INITIAL INSTALLATION AND THEN AT SIX MONTH AND ONE YEAR INTERVALS, PROPERLY LABEL THE DETECTOR, CONNECT TO THE FIRE ALARM SYSTEM AND THE POWER SUPPLY, TEST THE BEAM DETECTOR SYSTEM DURING ROUTINE FIRE ALARM SYSTEM TESTING.
 - NEW FIRE ALARM HORN AMPLIFIER PANEL, EXACT LOCATION FOR INSTALLATION SHALL BE COORDINATED IN THE FIELD, PROVIDE NEW POWER CONNECTION AS SHOWN, PROVIDE WITH 90 MINUTE BATTERY BACK-UP, REFER TO DETAIL SHEETS AND ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR, CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM, NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEDUCT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS, CONTRACTOR SHALL ASSUME SIX (6) LOCATIONS PER WING ON EACH FLOOR IN THEIR BID AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT, CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS, ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.
 - PROVIDE NEW FIRE ALARM RELAY(S) IN APPROXIMATE LOCATION SHOWN TO CONNECT THE FIRE ALARM SYSTEM TO THE ACCESS CONTROL PANEL, AS NECESSARY, PROVIDE ADDITIONAL CONDUIT AND WIRE AS NECESSARY TO MAKE PROPER CONNECTIONS, PROVIDE ACCESS CONTROL PANEL PROGRAMMING AS NECESSARY TO LOCK OR UNLOCK ACCESS CONTROL DOORS WHEN THE FIRE ALARM SYSTEM IS IN ALARM AS INDICATED ON PLAN, PROVIDE ADDITIONAL RELAYS TO CONNECT THE FIRE ALARM SYSTEM AND THE ACCESS CONTROL PANELS AS NECESSARY, REFER TO DETAIL ON SHEET FA503 FOR ADDITIONAL INFORMATION.
 - EXISTING ACCESS CONTROL DOOR SHALL UNLOCK WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
 - CONNECT THE NEW CIRCUIT(S) TO THE EXISTING SPARE BREAKERS IN THE PANEL WHERE POSSIBLE, WHERE NOT POSSIBLE OR WHERE NO BREAKER IS CURRENTLY INSTALLED, PROVIDE NEW BREAKERS WHICH MATCH THE EXISTING BREAKERS' STYLE AND AIC RATING, PROVIDE ALL BREAKERS RELATED TO THE NEW FIRE ALARM SYSTEM WITH NEW FIRE ALARM CIRCUIT LOCKOUT DEVICES, LOCKOUT DEVICES SHALL BE PAINTED RED AND LABELED "FIRE ALARM", PROVIDE AN UPDATED TYPED PANELBOARD SCHEDULE.
 - PROVIDE HEAT DETECTOR AT TOP OF ELEVATOR SHAFT, IF ANY SPRINKLER IS PRESENT IN THE ELEVATOR SHAFT, THE HEAT DETECTOR SHALL GO INTO ALARM AT A LOWER TEMPERATURE THAN THE TEMPERATURE AT WHICH THE SPRINKLER IS ACTIVATED.
 - PROVIDE SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT, THE ELEVATOR SHALL RECALL TO THE LOWEST FLOOR WHICH IT SERVES WHEN THE FIRE ALARM SYSTEM IS IN ALARM.
 - PROVIDE NEW FIRE ALARM RELAY TO CONNECT TO PRESSURIZATION FAN AT THE TOP OF THE ELEVATOR SHAFT OR STAIRCASE AS NECESSARY, COORDINATE CONNECTIONS WITH THE FAN CONTROLLER, VFD, OR STARTER REQUIRED FOR ACTIVATION.

LEVEL 8 FIRE ALARM PLAN - NEW WORK (SOUTH)
 SCALE: 3/32" = 1'-0"



PROFESSIONAL SEAL



LEVEL 8
 NORTH
 KEY PLAN



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FIRE ALARM AND
 SMOKE DETECTION
 REPLACEMENT PROJECT

HARRY S. TRUMAN
 STATE OFFICE BUILDING
 JEFFERSON CITY, MO 65102

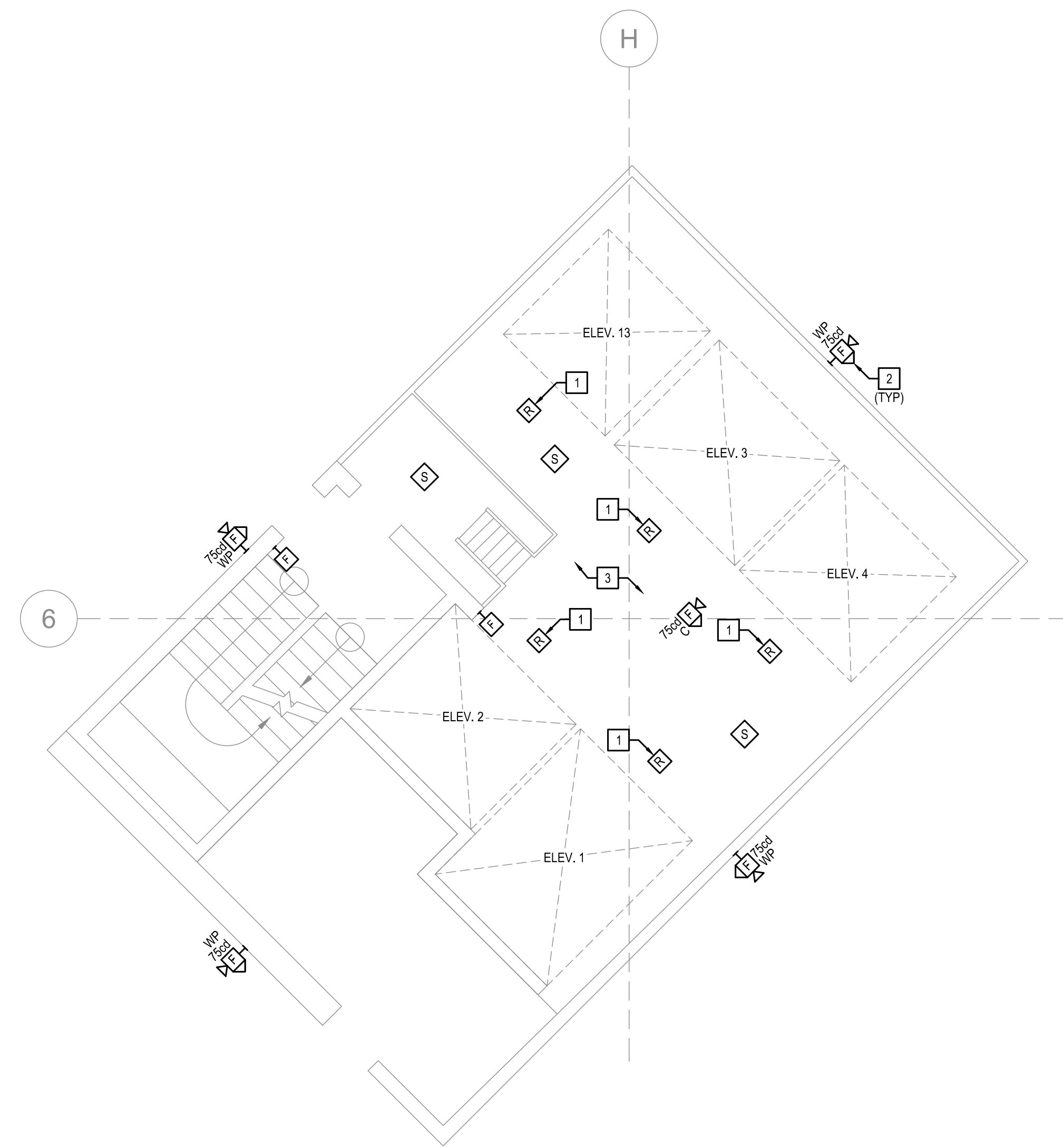
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 SITE # 1001
 FACILITY # 3101001050

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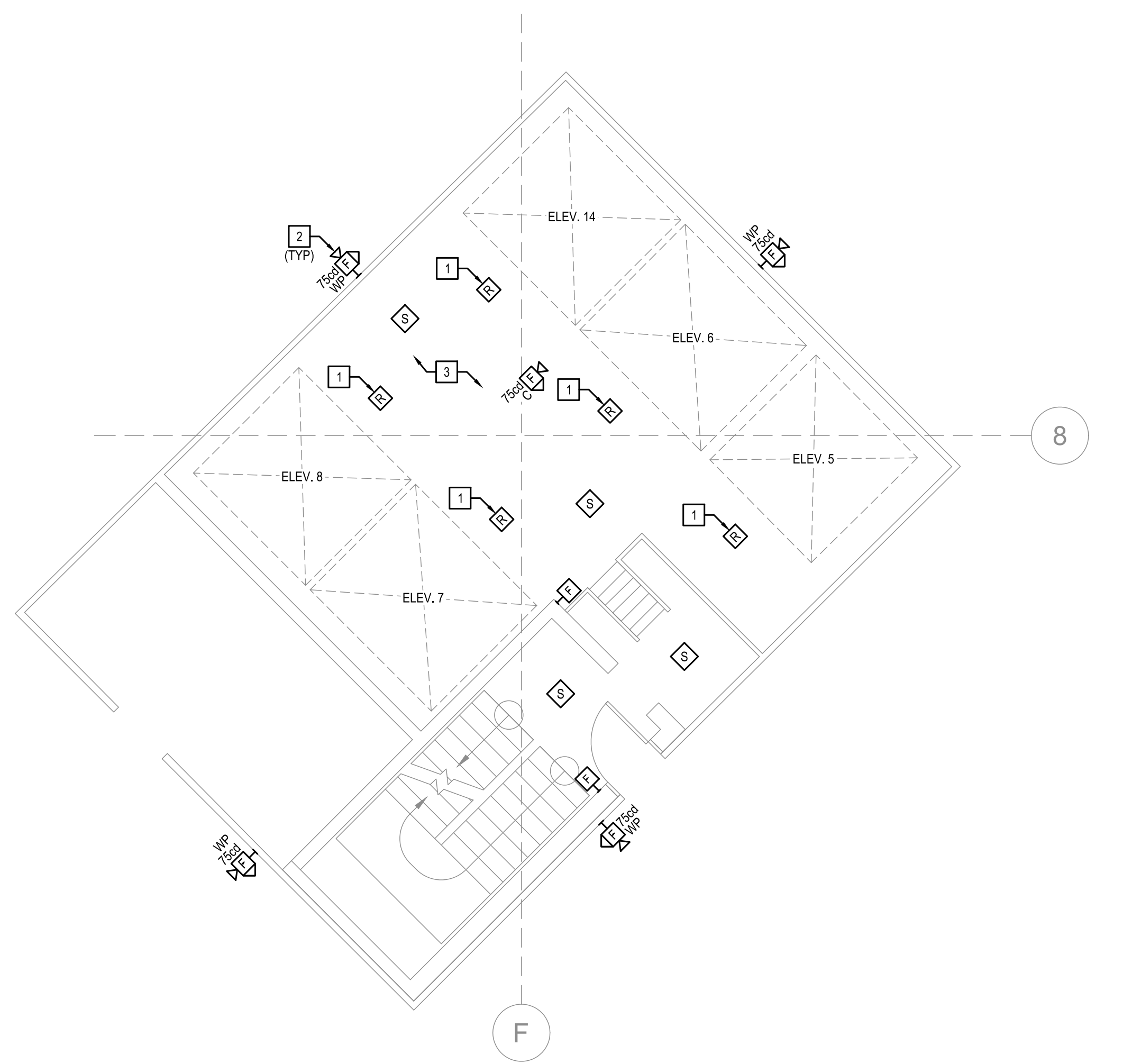
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 DRAWN BY: KAN
 CHECKED BY: JGR
 DESIGNED BY: JGR

SHEET TITLE:
 LEVEL 8
 FIRE ALARM PLAN -
 NEW WORK

SHEET NUMBER:
FA182
 40 OF 53 SHEETS



1 PENTHOUSE FIRE ALARM PLAN - NEW WORK (NORTH)
SCALE: 3/16" = 1'-0" 



2 PENTHOUSE FIRE ALARM PLAN - NEW WORK (SOUTH)
SCALE: 3/16" = 1'-0" 

GENERAL NOTES:

- REFER TO FAD01 FOR A LIST OF ALL FIRE ALARM GENERAL NOTES.
- WHERE NEW FIRE ALARM DEVICES ARE SHOWN TO BE MOUNTED IN THE CEILING THE CONTRACTOR SHALL INSTALL 15' OF COILED CABLE AND FLEXIBLE ARMORED CABLE, SO THE DEVICE CAN BE MOVED, SHOULD THE FURNITURE ARRANGEMENT BE MODIFIED.

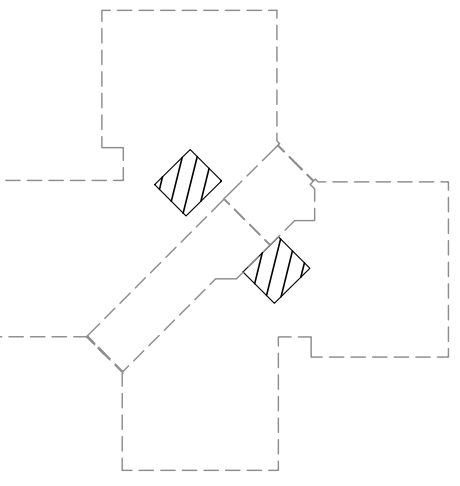
KEYED NOTES: 

- PROVIDE RELAY AND CONNECTION TO THE EXISTING ELEVATOR CONTROLLER. UPON FIRE ALARM INITIATION, THE FIRE ALARM SHALL INITIATE ELEVATOR RECALL. CONNECT TO THE ELEVATOR CONTROLLER AS REQUIRED. COORDINATE ELEVATOR RECALL SCENARIO WITH THE OWNER AND ELEVATOR SUPPLIER. CONTRACTOR SHALL COORDINATE ALL ELEVATOR CONNECTIONS WITH THE ELEVATOR MANUFACTURER FOR PROPER CONNECTIONS AND CONTROL. PROVIDE ALL ADDITIONAL RELAYS, CONNECTION, CONDUIT, WIRING, AND PROGRAMMING.
- PROVIDE WEATHER-PROOF DEVICE IN THIS LOCATION. ALL CONDUIT AND WIRING PENETRATING THE WALL SHALL BE RATED FOR OUTDOOR USE. ALL WALL PENETRATIONS SHALL BE MADE WEATHER TIGHT.
- CONTRACTOR SHALL INVESTIGATE ALL FIRE-RATED WALLS, FLOORS, AND CEILINGS TO LOCATE ALL EXISTING FIRE SMOKE DAMPERS IN EVERY SPACE ON THIS FLOOR. CONNECT EXISTING FIRE SMOKE DAMPERS TO THE NEW FIRE ALARM SYSTEM. NO ATTEMPT HAS BEEN MADE IN THESE PLANS TO LOCATE OR DEPICT THE LOCATIONS OF EXISTING FIRE SMOKE DAMPERS. CONTRACTOR SHALL ASSUME TWO (2) LOCATIONS IN THIS AREA WITHIN THEIR BID, AND PROVIDE UNIT PRICES FOR ANYTHING ABOVE THAT. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL AND REPLACING ALL FIRE ALARM CONNECTIONS. ADDITIONAL DEVICES SHALL BE A CHANGE TO THE CONTRACT.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



PENTHOUSE



KEY PLAN



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MO CCA 2002050563 - Curtis L. Brungardt, P.E. 2003016693

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

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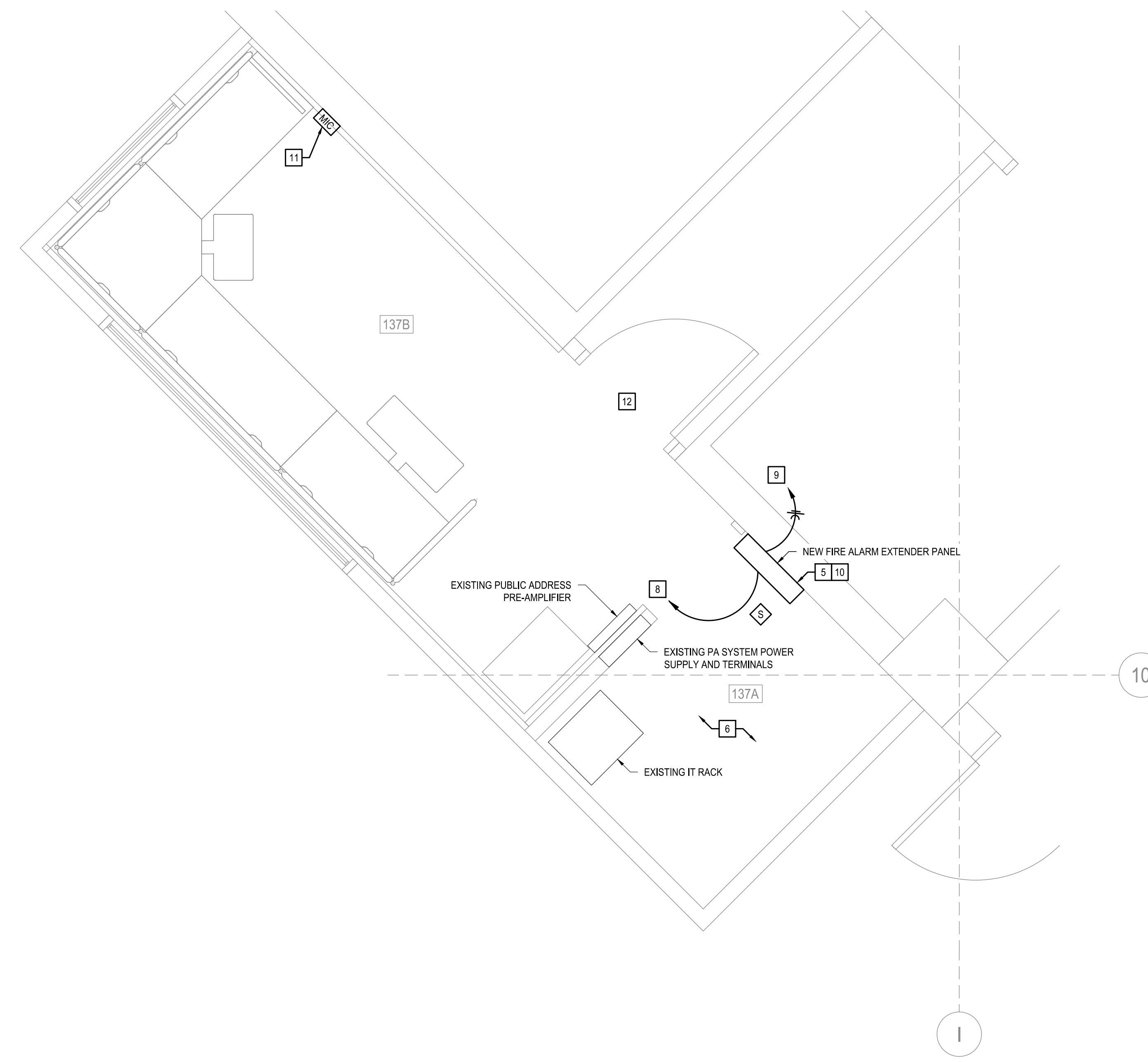
ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA191
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

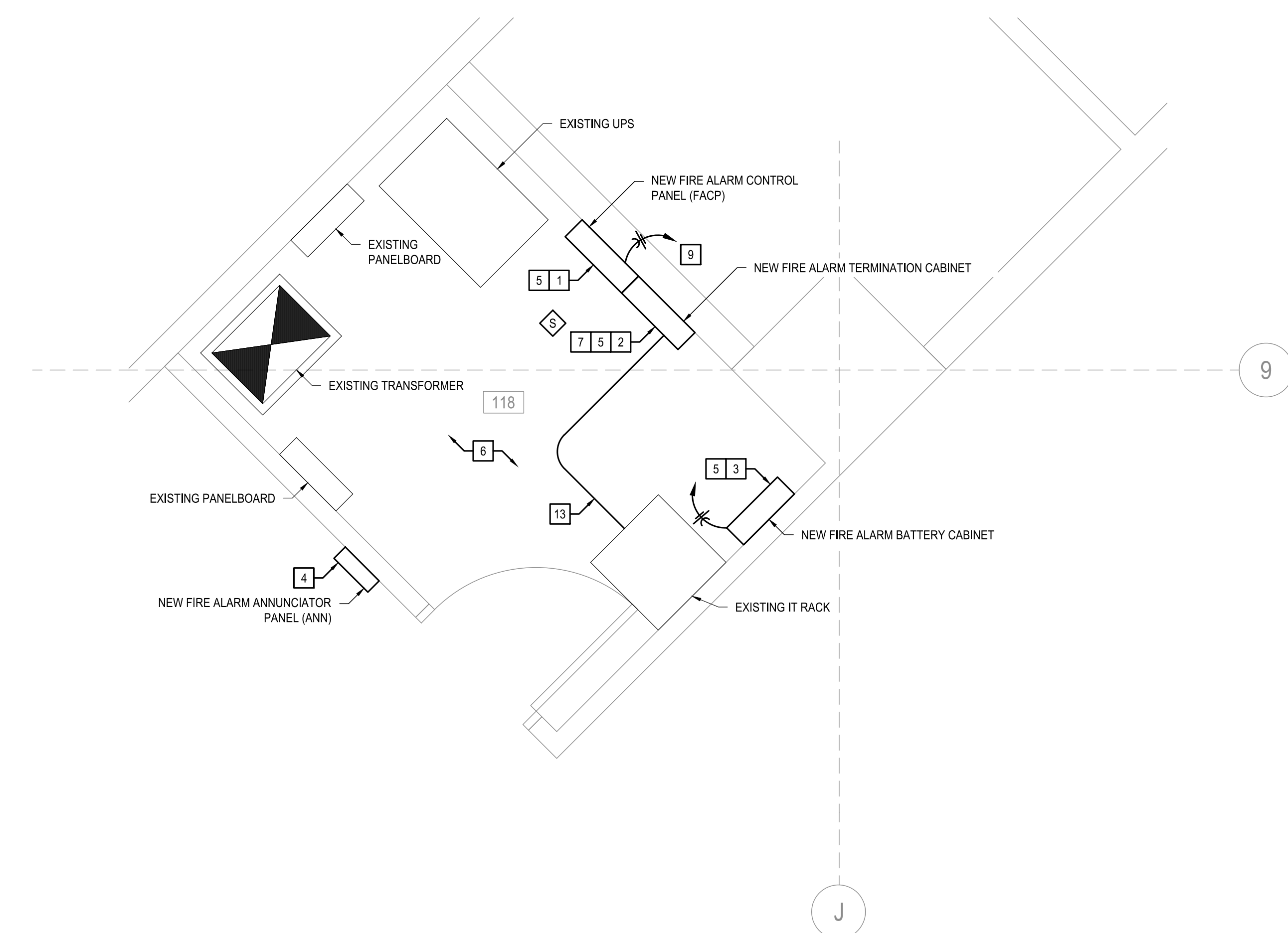
SHEET TITLE:
PENTHOUSE
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA191

41 OF 53 SHEETS



1 LEVEL 1 ENLARGED FIRE ALARM PLAN - NEW WORK (CAPITOL POLICE)
SCALE: 1/2" = 1'-0"



2 LEVEL 1 ENLARGED FIRE ALARM PLAN - NEW WORK (FA CLOSET)
SCALE: 1/2" = 1'-0"

GENERAL NOTES:

1. REFER TO FA001 FOR A LIST OF ALL FIRE ALARM AND PUBLIC ANNOUNCEMENT GENERAL NOTES.

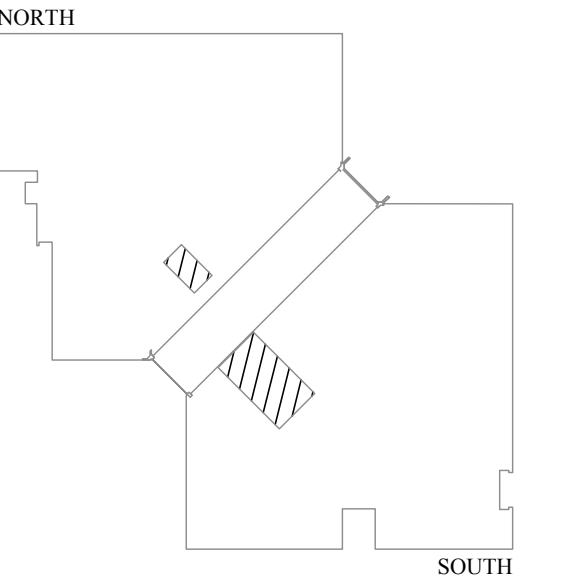
KEYED NOTES:

- INSTALL THE NEW FIRE ALARM CONTROL PANEL IN THIS LOCATION. ALL OF THE EXISTING ZONED CIRCUITS SHALL BE TEMPORARILY CONNECTED TO THIS PANEL. ALL NEW CONDUCTORS INTO THE PANEL SHALL BE NEATLY BUNDLED AND LABELED. LOOSE OR UNBONDED WIRE AT JOB COMPLETION WILL REQUIRE DISCONNECTION AND CLEAN UP. REFER TO THE SPECIFICATIONS AND ONE-LINE DIAGRAMS FOR SPECIFIC REQUIREMENTS OF THE NEW FIRE ALARM CONTROL PANEL.
- NEW FIRE ALARM TERMINATION CABINET. THE NEW CABINET SHALL BE INSTALLED ADJACENT TO THE NEW FIRE ALARM CABINET. CAREFULLY COORDINATE ALL NEW CONNECTIONS AS REQUIRED.
- NEW FIRE ALARM CONTROL PANEL BATTERY BACK-UP. THE PANEL SHALL BE MOUNTED WHERE THE EXISTING IS LOCATED.
- NEW FIRE ALARM ANNUNCIATOR PANEL. THIS PANEL SHALL BE FLUSH-MOUNTED. COORDINATE BEST PLACEMENT IN THE FIELD.
- ALL NEW WIRING AND CONDUIT TO THIS EQUIPMENT SHALL BE INSTALLED IN A NEAT AND ORDERLY FASHION. ALL CONDUCTORS SHALL BE NEATLY BUNDLED WITH VELCRO FASTENERS. THE CONDUCTORS SHALL BE LABELED WHERE THEY ENTER THE PANEL AND WHERE THEY TERMINATE WITHIN THE PANEL. ALL CONDUCTORS SHALL BE HELD TIGHT AND SECURED TO THE BACK PLATE OF THE ENCLOSURE. ALL CONDUITS INTO THE PANEL SHALL BE LABELED. LABELS THAT DO NOT ADHERE TO THE CONDUIT WILL REQUIRE CLEAR ADHESIVE AROUND THE ENTIRE CONDUIT. LOOSE LABELS WILL NOT BE ACCEPTABLE. CONDUITS FOR NEW CIRCUITS SHALL BE CAREFULLY COORDINATED. THE CURRENT INSTALLATION OF UNBUNDLED CABLES, CLUTTERED GUTTERS, AND GENERALLY MESSY WIRING WILL NOT BE ACCEPTABLE. CAREFULLY COORDINATE THE NEW WORK WITH THE EXISTING.
- THE CONTRACTOR SHALL SUBMIT A DETAILED METHOD OF PROCEDURE (MOP) FOR WORK IN THIS ROOM TO THE OWNER AND ENGINEER. THIS SHALL INCLUDE A COLORED PHASING PLAN SHOWING HOW THE EXISTING PANEL(S) WILL BE REMOVED AND THE NEW INSTALLED. INDICATE THE GENERAL APPROACH FOR REPLACING THE PANELS IN THIS ROOM. THE CONTRACTOR SHALL OBTAIN AN APPROVED MOP FROM THE ENGINEER AND OWNER PRIOR TO PROCEEDING WITH THE WORK. BELOW IS A LIST OF WHAT SHALL BE INCLUDED IN THE MOP:
 - DATE AND TIME OF THE WORK. THIS WORK WILL NEED TO BE DONE AFTER-HOURS OR ON A WEEKEND.
 - ANTICIPATED LENGTH OF THE WORK AND DOWN TIME FOR THE FIRE ALARM SYSTEM.
 - A LIST OF THOSE THAT WILL NEED TO BE NOTIFIED.
 - WHAT FLOORS AND AREAS WILL BE IMPACTED.
 - STEP-BY-STEP PROCESS OF THE WORK.
 - LIST OF ITEMS THAT HAVE BEEN PROCURED FOR THE WORK.
 - WHAT OTHER SYSTEM WILL BE AFFECTED BY THE WORK.
 - NAMES, TITLES, CELLULAR PHONE NUMBERS OF ALL PARTIES INVOLVED. THIS INCLUDES THE CONTRACTOR, FOREMANS, FMDC STAFF, AND ALL OTHER PARTIES THAT MIGHT BE AFFECTED BY THIS WORK.
- INSTALL THE NEW FIRE ALARM TERMINAL CABINET IN THIS LOCATION. ALL OF THE EXISTING ZONED CIRCUITS SHALL BE TEMPORARILY CONNECTED TO THIS PANEL. ALL NEW CONDUCTORS INTO THE PANEL SHALL BE NEATLY BUNDLED AND LABELED. LOOSE OR UNBONDED WIRE AT JOB COMPLETION WILL REQUIRE DISCONNECTION AND CLEAN UP. REFER TO THE SPECIFICATIONS AND ONE-LINE DIAGRAMS FOR SPECIFIC REQUIREMENTS OF THE NEW FIRE ALARM CONTROL PANEL.
- CONNECT TO THE MAIN FIRE ALARM CONTROL PANEL IN THE FIRE ALARM CLOSET NEAR THE WEST DOORS. REFER TO THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION. INSTALL MINIMUM 1" CONDUIT.
- UTILIZE THE EXISTING 120 VOLT POWER CIRCUIT TO FEED THE NEW PANEL.
- INSTALL THE NEW FIRE ALARM CONTROL PANEL IN THIS LOCATION. ALL OF THE EXISTING ZONED CIRCUITS SHALL BE TEMPORARILY CONNECTED TO THIS PANEL. ALL NEW CONDUCTORS INTO THE PANEL SHALL BE NEATLY BUNDLED AND LABELED. LOOSE OR UNBONDED WIRE AT JOB COMPLETION WILL REQUIRE DISCONNECTION AND CLEAN UP. REFER TO THE SPECIFICATIONS AND ONE-LINE DIAGRAMS FOR SPECIFIC REQUIREMENTS OF THE NEW FIRE ALARM CONTROL PANEL. THE COMPLEXITY OF REPLACING THIS PANEL AT IS CURRENT LOCATION COULD PRESENT ISSUES FOR THE CONTRACTOR BASED ON FINAL EQUIPMENT SIZES. WHERE THIS LOCATION CREATES ISSUES WITH INSTALLING NEW EQUIPMENT, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR AN ALTERNATE LOCATION. THAT ALTERNATE LOCATION SHALL BE MADE WITH NO ADDITIONAL COST TO THE OWNER. THE PREFERENCE IS TO KEEP THE PANEL IN THIS LOCATION. IF TEMPORARILY SUPPORTING THIS NEW EQUIPMENT IS REQUIRED, THEN MAKE ADJUSTMENTS AS NEEDED.
- PROVIDE NEW MICROPHONE IN APPROXIMATE LOCATION SHOWN. MICROPHONE IS INTENDED TO BE USED FOR EMERGENCY ANNOUNCEMENTS, AND SHALL BE CONNECTED TO THE NEW FIRE ALARM SYSTEM.
- EXISTING ACCESS CONTROL DOOR SHALL REMAIN LOCKED WHEN THE NEW FIRE ALARM SYSTEM IS IN ALARM.
- CONNECT NEW FIRE ALARM CONTROL PANEL TO EXISTING IT RACK. COORDINATE CONNECTION WITH OWNER. PROVIDE ALL PROGRAMMING NECESSARY TO MAKE PROPER CONNECTION. REFER TO ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



LEVEL 1



KEY PLAN



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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

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PROJECT PHASE: CD

CAD DWG FILE: FA401
DRAWN BY: KAN
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
LEVEL 1 ENLARGED
FIRE ALARM PLAN -
NEW WORK

SHEET NUMBER:
FA401
42 OF 53 SHEETS



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FIRE ALARM AND
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REPLACEMENT PROJECT

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STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

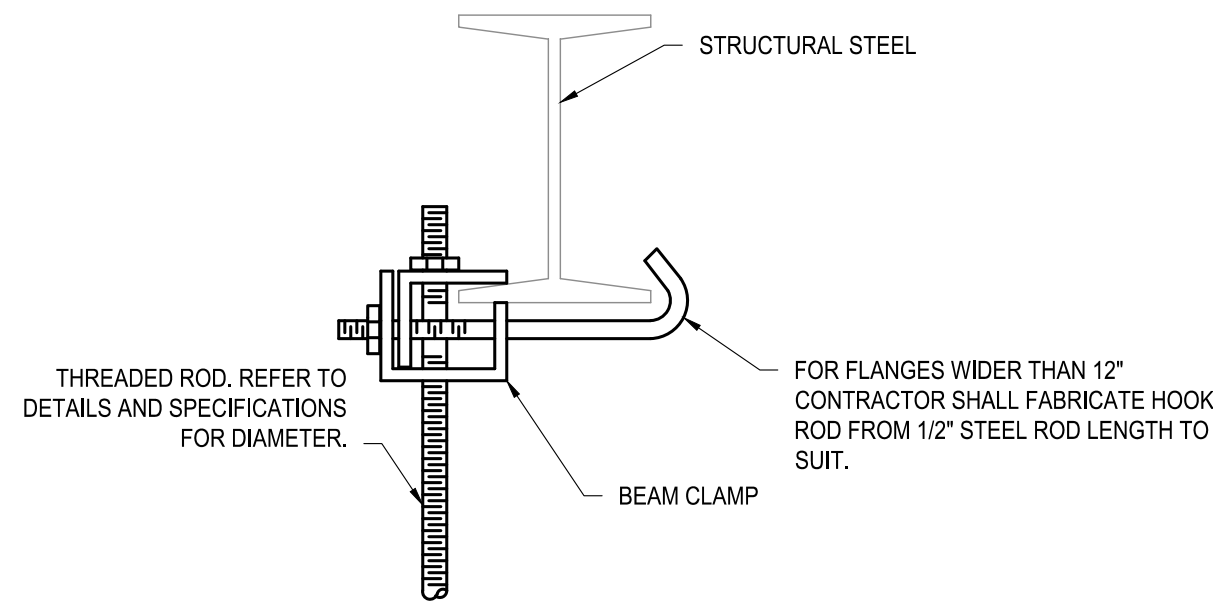
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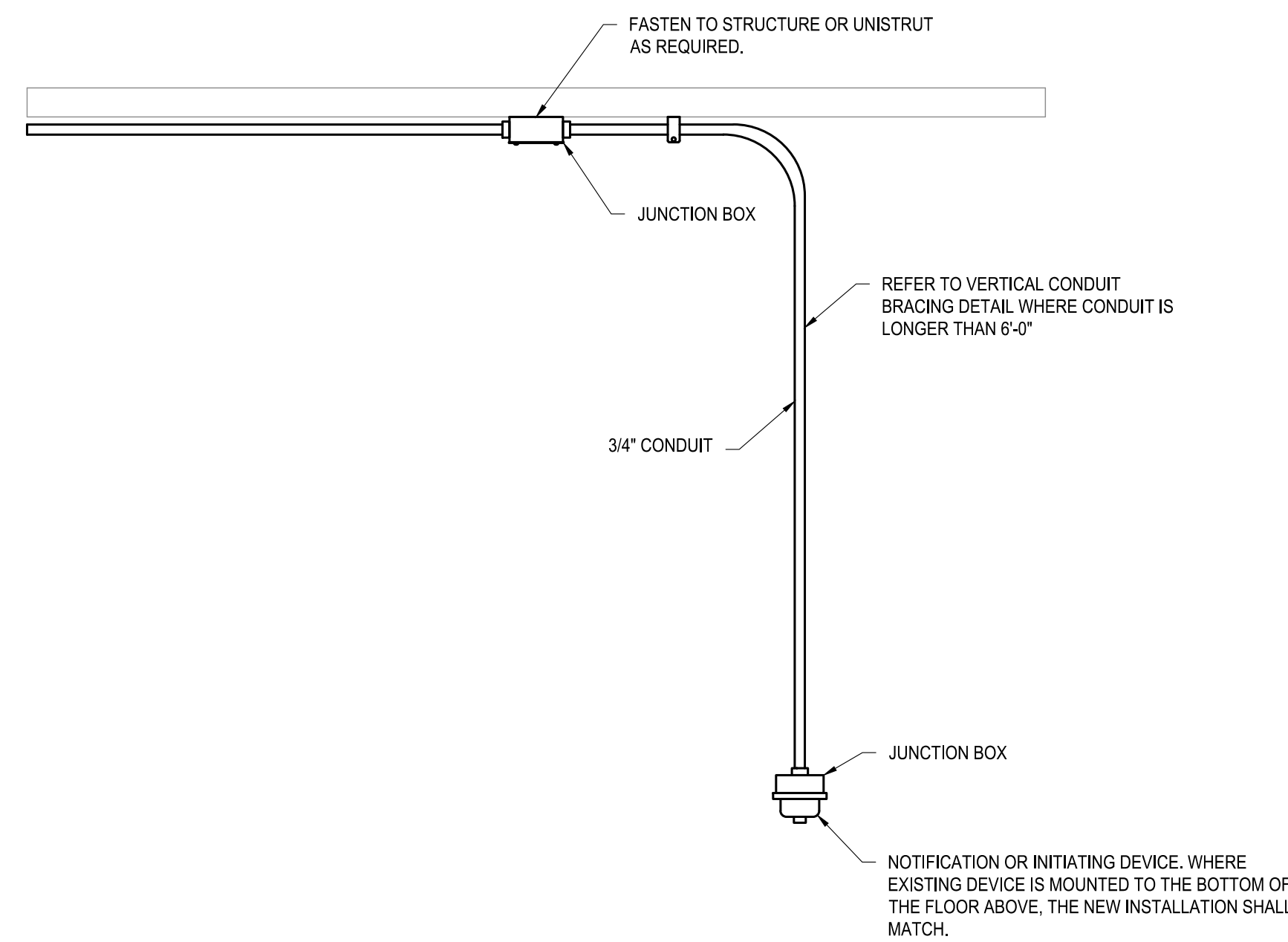
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DETAILS

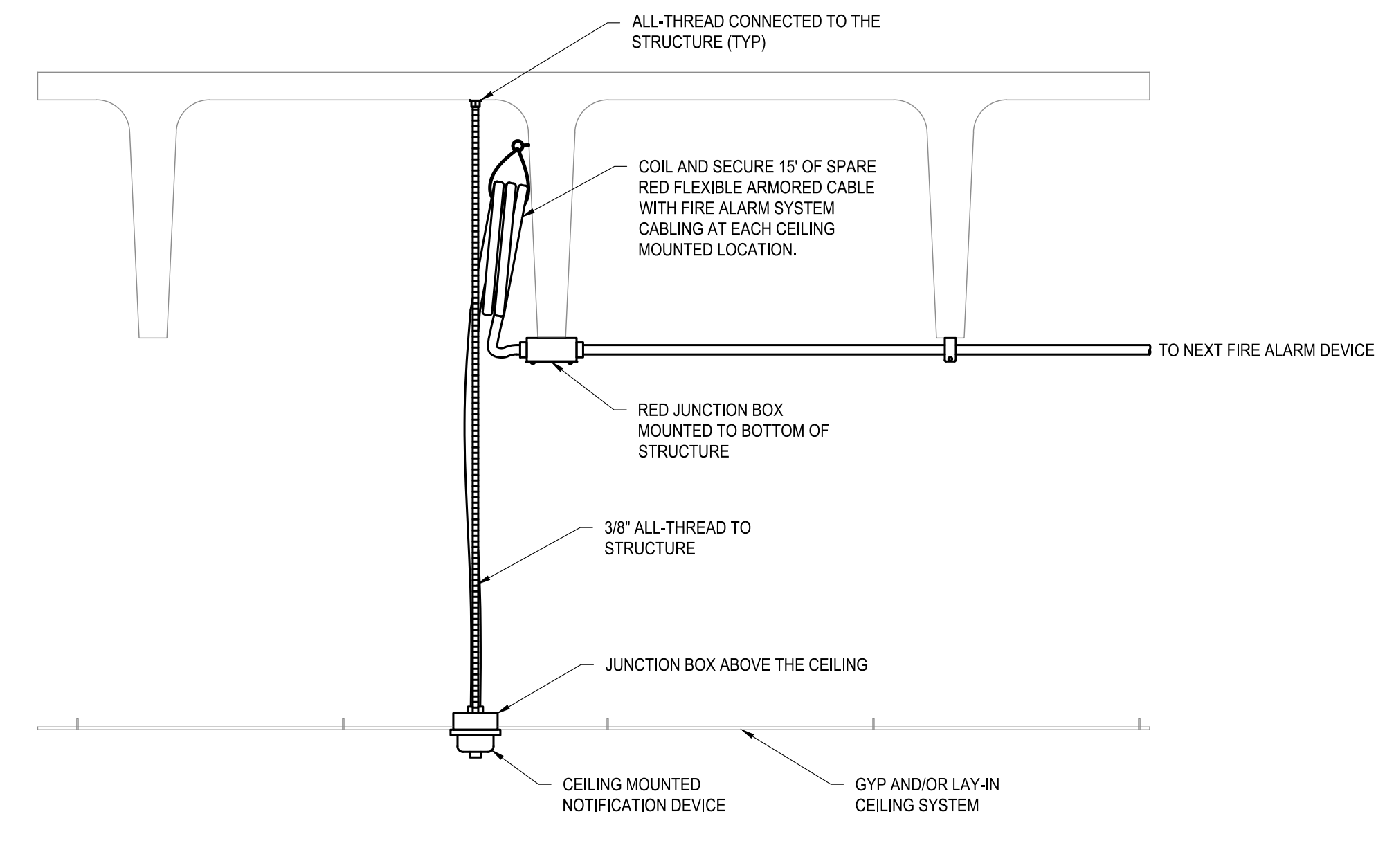
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FA501
43 OF 53 SHEETS



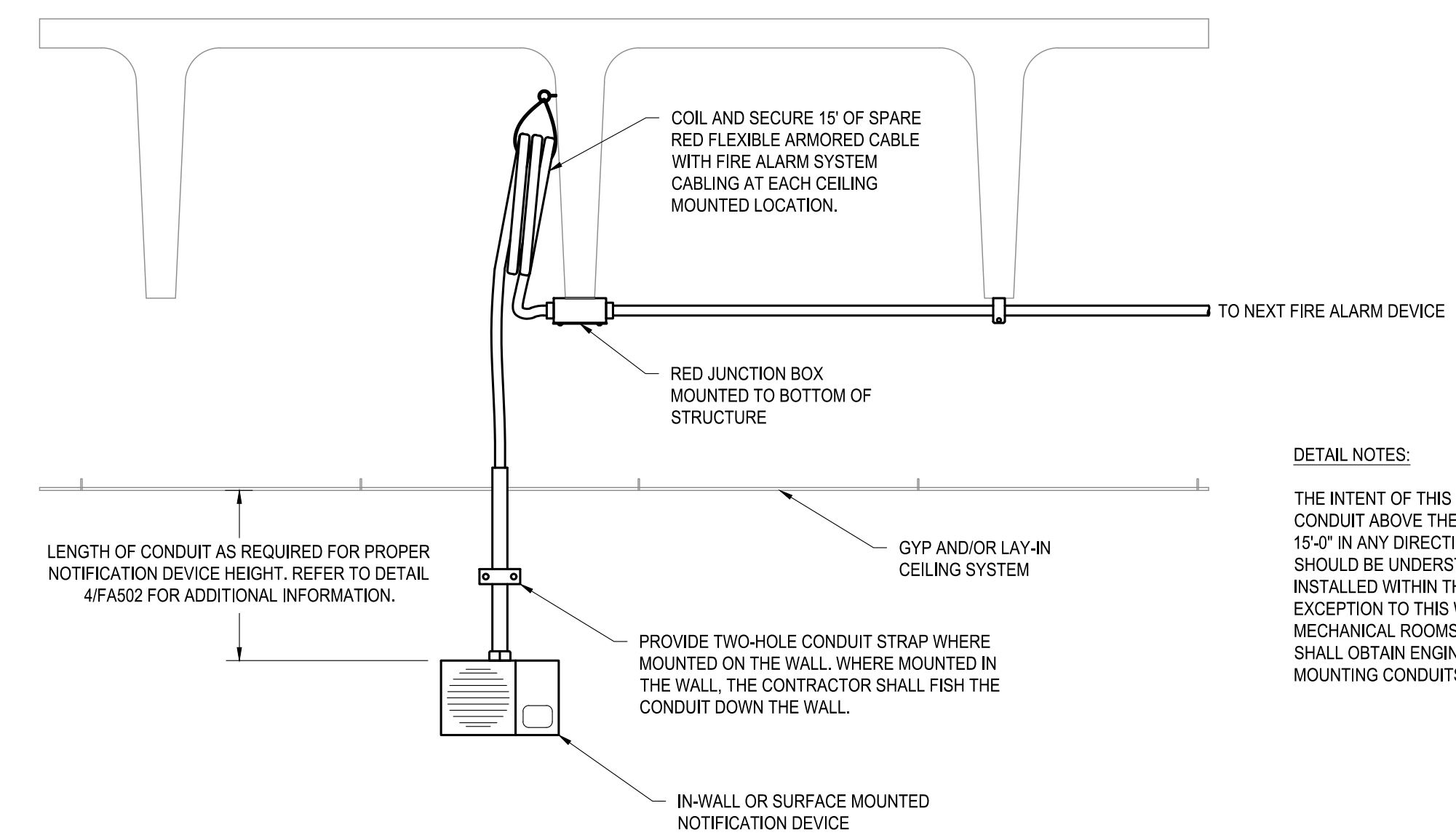
5 TYPICAL BEAM CLAMP DETAIL
SCALE: N.T.S.



4 OPEN CEILING DEVICE SUPPORT DETAIL
SCALE: N.T.S.

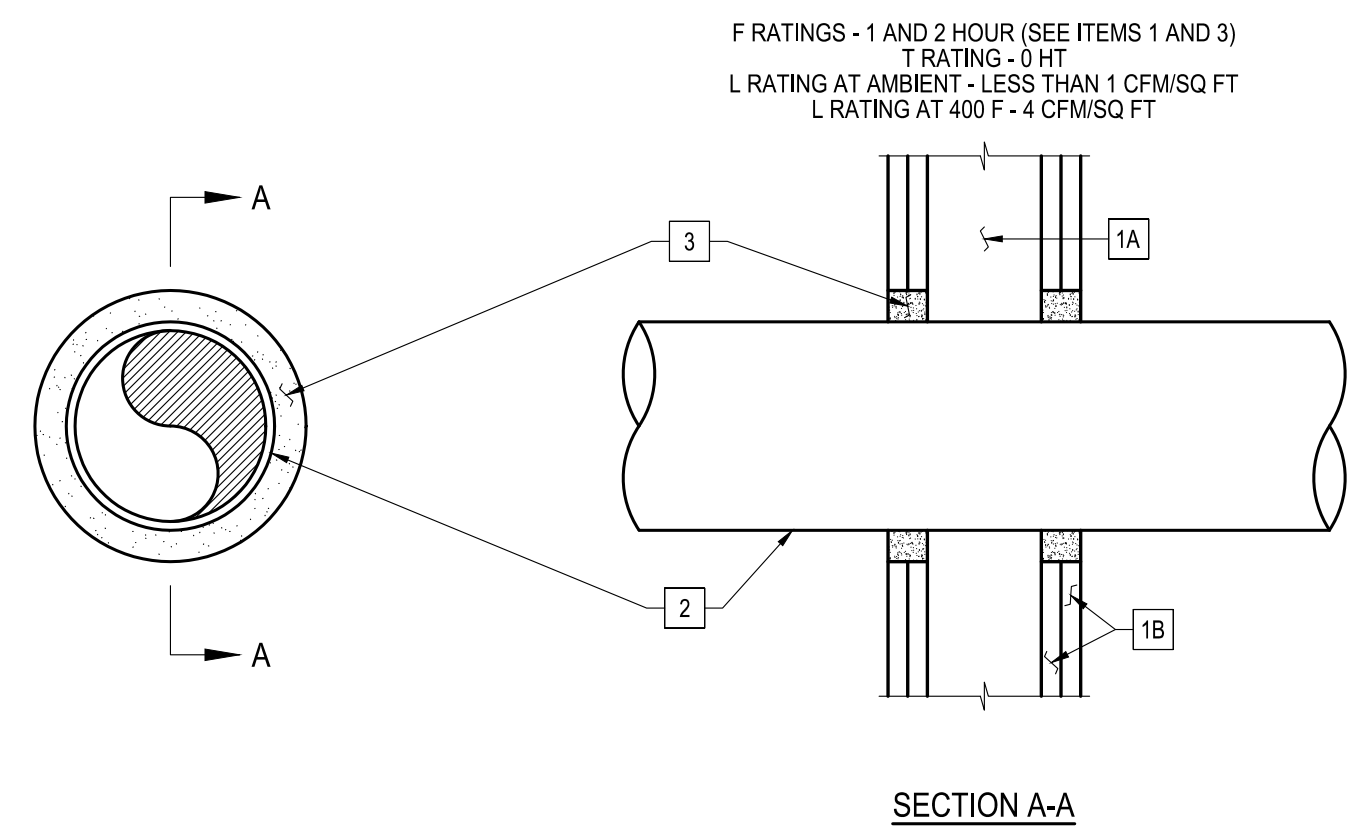


1 TYPICAL CEILING MOUNTED NOTIFICATION DEVICE
SCALE: N.T.S.



2 TYPICAL IN-WALL OR WALL-MOUNTED NOTIFICATION DEVICE
SCALE: N.T.S.

DETAIL NOTES:
THE INTENT OF THIS DETAIL IS TO DEPICT THE COILED CONDUIT ABOVE THE CEILING. SO DEVICES CAN BE MOVED 15'-0" IN ANY DIRECTION IN FINISHED OFFICE AREAS. IT SHOULD BE UNDERSTOOD THAT ALL DEVICES SHALL BE INSTALLED WITHIN THE WALL WHERE POSSIBLE. THE EXCEPTION TO THIS WOULD BE AN INTERIOR BLOCK WALL OR MECHANICAL ROOMS. ANY OTHER LOCATION NOT NOTED SHALL OBTAIN ENGINEER'S APPROVAL BEFORE SURFACE MOUNTING CONDUITS OR DEVICES.

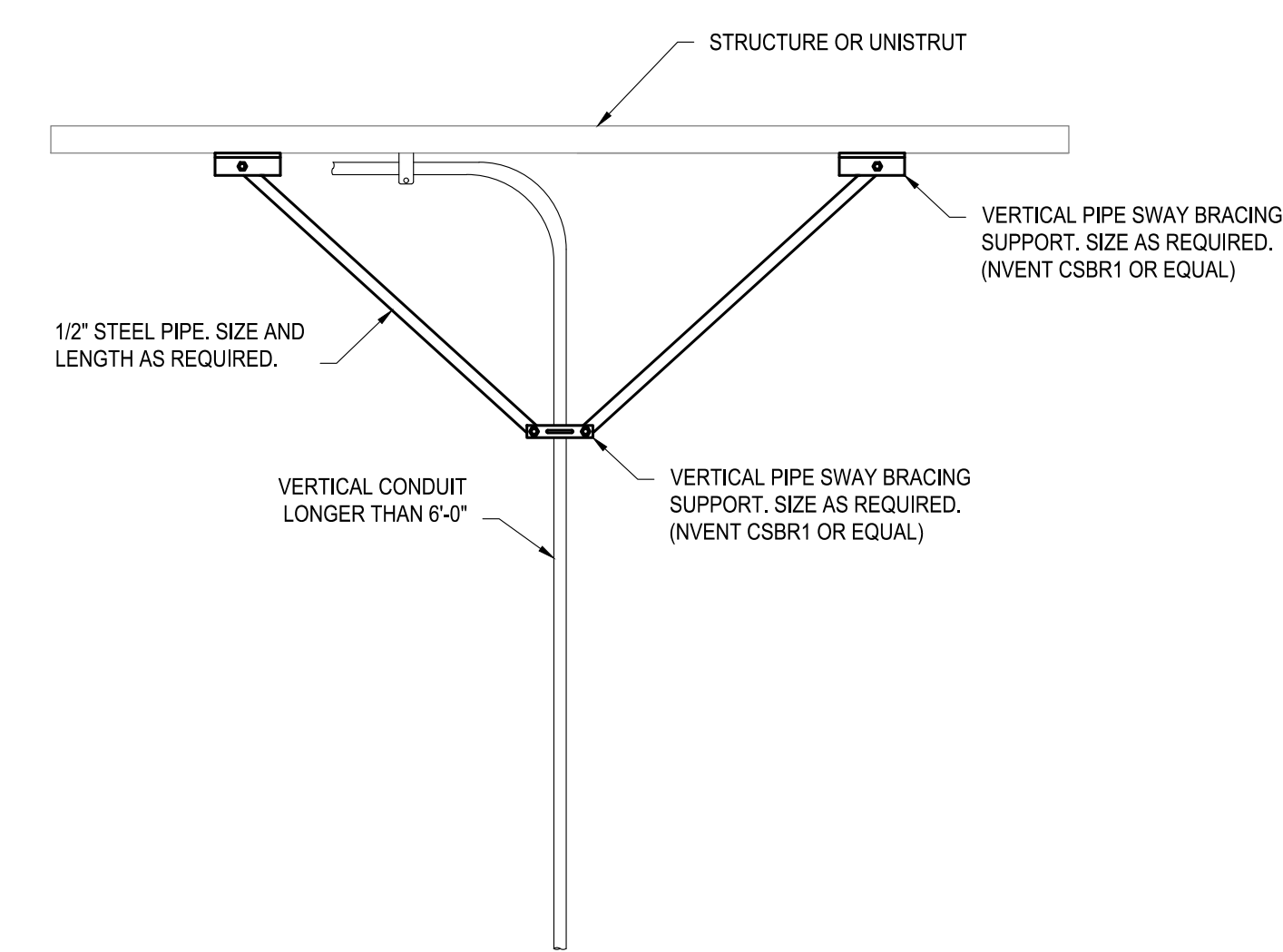


DETAIL NOTES:

- WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER SPACED 16" O.C. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE AND SPACED A MAXIMUM 24" O.C. WHEN STEEL STUDS ARE USED AND THE DIAMETER OF OPENING EXCEEDS THE WIDTH OF STUD GAUITY. THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4" TO 6" WIDER AND 4" TO 6" HIGHER THAN THE DIAMETER OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2" TO 3" CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
 - GYPSUM BOARD - 5/8" THICK, 4'-0" WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAXIMUM DIAMETER OF OPENING IS 32-1/4" FOR STEEL STUD WALLS. MAX DIAMETER OF OPENING IS 14-1/2" FOR WOOD STUD WALLS. THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.
- THROUGH-PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE (MIN) 1/2" - (MAX) 2-1/4" PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDERS OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
 - STEEL PIPE - NOMINAL 30" DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
 - IRON PIPE - NOMINAL 30" DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE.
 - CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. DIAMETER STEEL CONDUIT.
 - COPPER TUBING - NOMINAL 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 - COPPER PIPE - NOMINAL 6" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
- FILL, VOID OR CAVITY MATERIAL - SEALANT - MIN 5/8" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS. FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2" DIAMETER BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL CERTIFICATION.

6 ELECTRICAL CONDUIT FIRESTOP WALL PENETRATION DETAIL
SCALE: N.T.S.



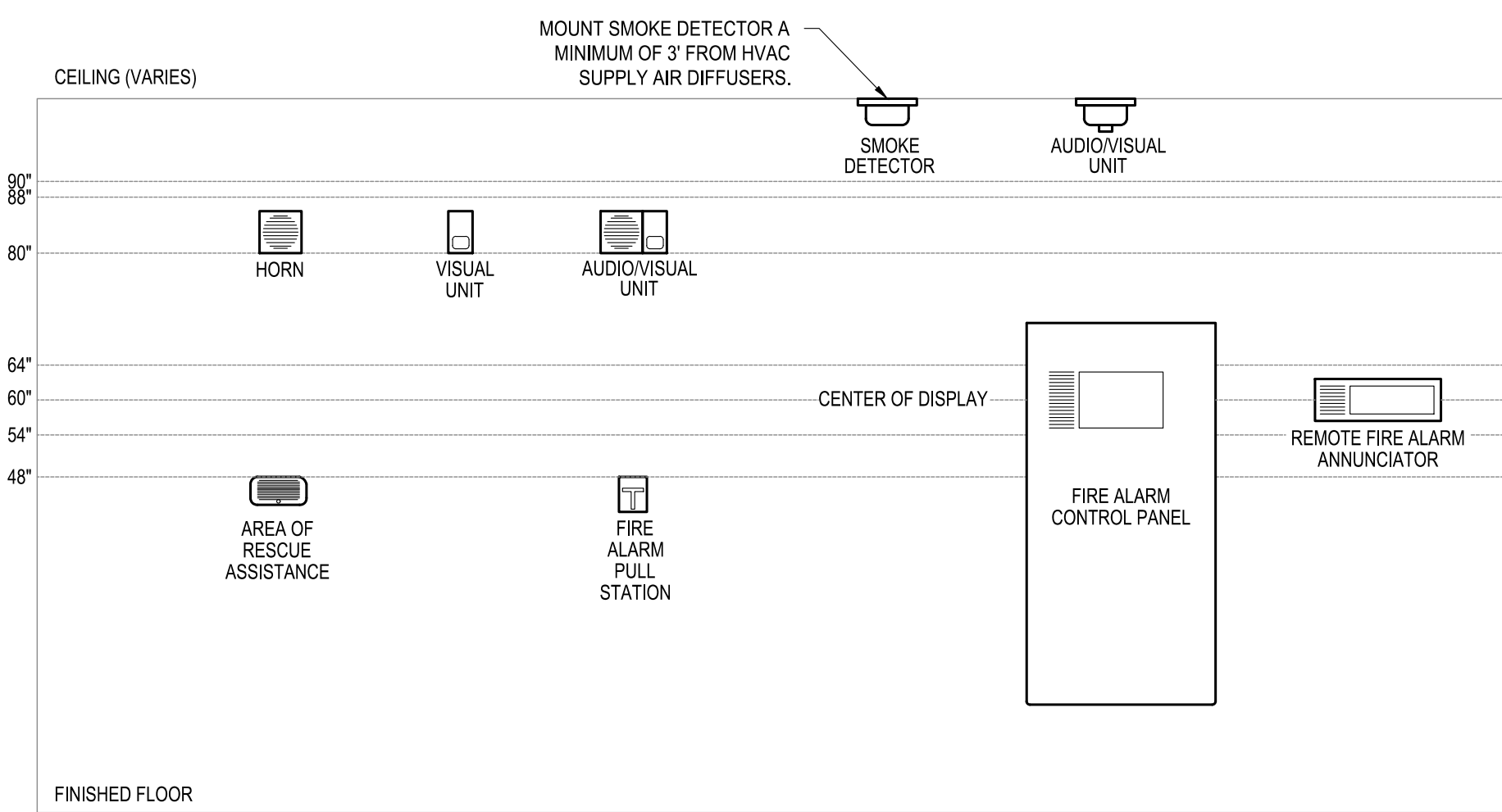
3 VERTICAL CONDUIT BRACING DETAIL
SCALE: N.T.S.



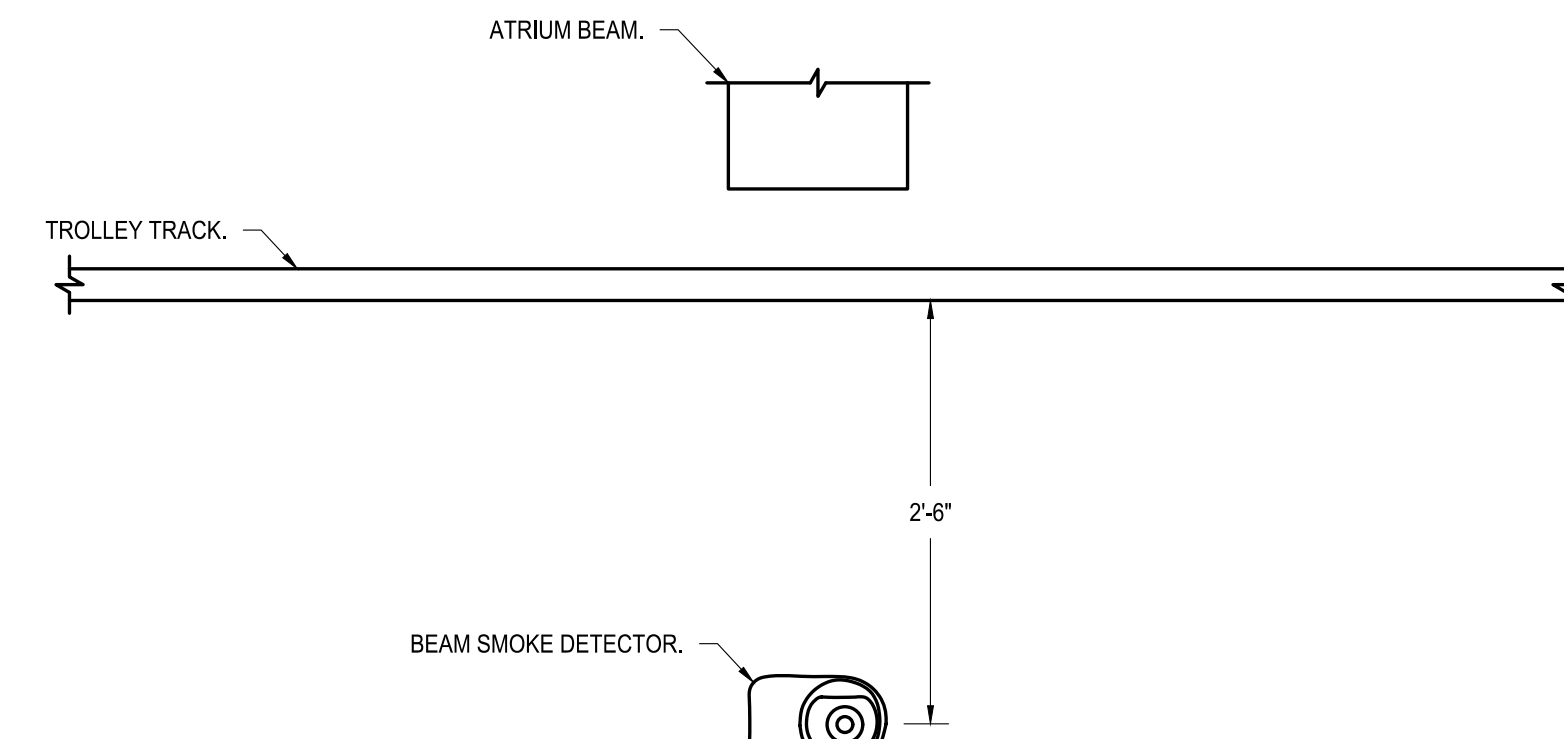
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GENERAL LABELING NOTES:

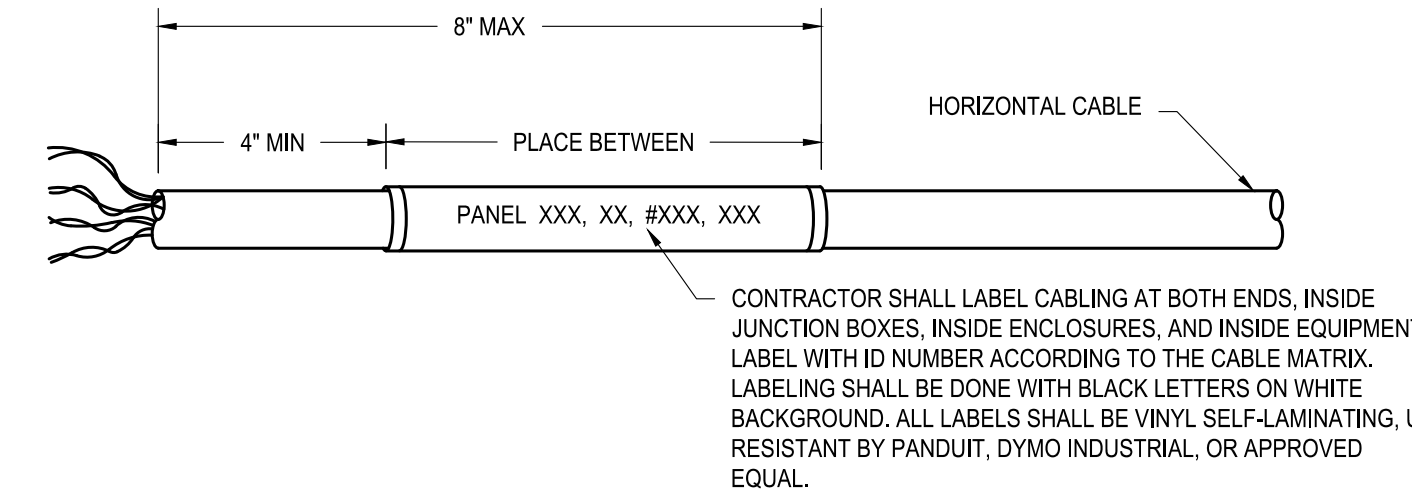
1. ALL NEW EQUIPMENT SHALL BE LABELED. THIS WOULD INCLUDE ALL NEW CONDUIT, CONDUIT BODY COVER PLATES, POWER SUPPLIES, AMPLIFIERS, EXTENSION PANELS, BATTERY CABINETS, DEVICES, RELAYS, ETC. ALL NEW ITEMS SHALL BE LABELED IN SOME MANNER.
2. WHERE NEW FIRE ALARM DEVICES CONNECT TO THE EXISTING PANELBOARDS, THE CONDUIT SHALL BE LABELED. THE PANELBOARD SHALL BE LABELED, AND A NEW LAMINATED PANELBOARD SCHEDULE SHALL BE PROVIDED. WHERE EXISTING CIRCUITS OR CONDUITS ARE USED, THE SAME SHALL BE LABELED. IF EXISTING CONDUIT IS CURRENTLY LABELED, THE EXISTING LABEL SHALL BE REMOVED AND REPLACED TO MATCH NEW LABELS.
3. WHERE FIRE SMOKE DAMPERS ARE LOCATED, THE CEILING TILE GRID SUPPORT SYSTEM SHALL BE LABELED, SO THAT THE OWNER CAN FIND THE DAMPERS IN THE FUTURE.
4. LABELS FOR EQUIPMENT SHALL BE HARD PHENOLIC STYLE LABELS AND SHALL BE ATTACHED TO EQUIPMENT WITH A MECHANICAL FASTENER. ADHESIVE LABELS ARE NOT ACCEPTABLE FOR EQUIPMENT. EQUIPMENT WOULD INCLUDE PANELBOARDS, FIRE ALARM PANELS, FIRE ALARM TERMINATION PANELS, AMPLIFIER PANELS, POWER SUPPLIES, BATTERY CABINETS, OR ANYTHING WITHIN AN ENCLOSURE LARGER.
5. LABELS FOR DEVICES (RELAYS, STROBES, SPEAKERS, HORNS, PULL STATIONS, ETC), CONDUIT, JUNCTION BOXES, AND CONDUIT BODIES SHALL BE ADHESIVE STYLE LABELS. LABELS SHALL BE BLACK WITH WHITE LETTERS. LABELS SHALL BE INSTALLED STRAIGHT, PLUMB AND LEVEL. LABELS SHALL USE A COMMON FONT. LABELS SHALL BE SIZED FOR THE DEVICE INSTALLED ON. WHERE AN ADHESIVE LABEL IS INSTALLED, THE EXISTING EQUIPMENT SHALL BE CLEANED AND PREPARED FOR A LABEL. LOOSE LABELS WILL HAVE TO BE REPLACED. DO NOT INSTALL LABELS ON CONDUIT ELBOWS.



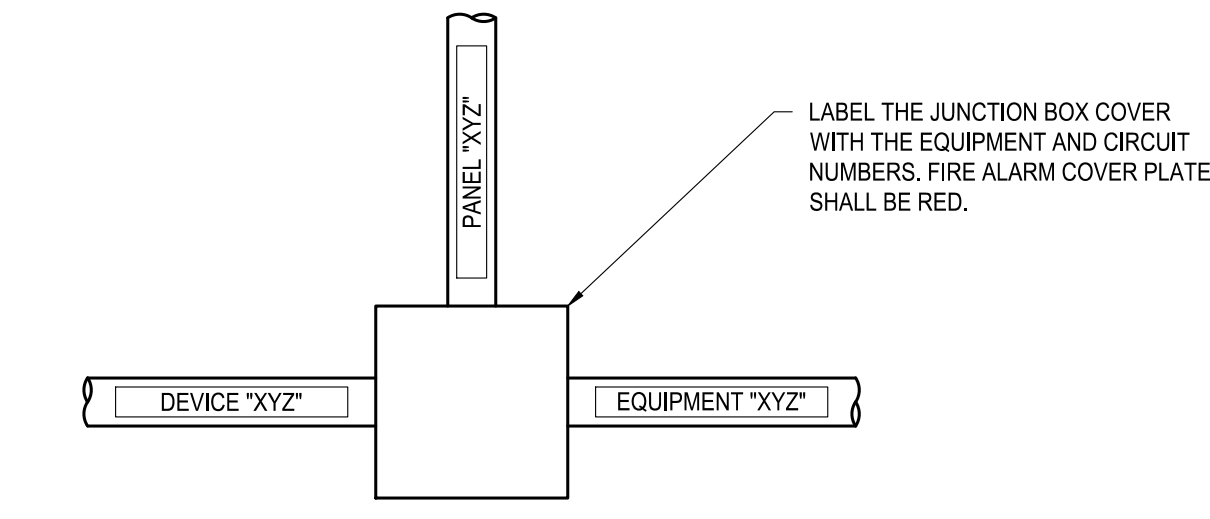
3 TYPICAL ELECTRICAL DEVICE MOUNTING HEIGHTS
SCALE: N.T.S.



6 ATRIUM BEAM DETECTOR MOUNTING DETAIL
SCALE: N.T.S.

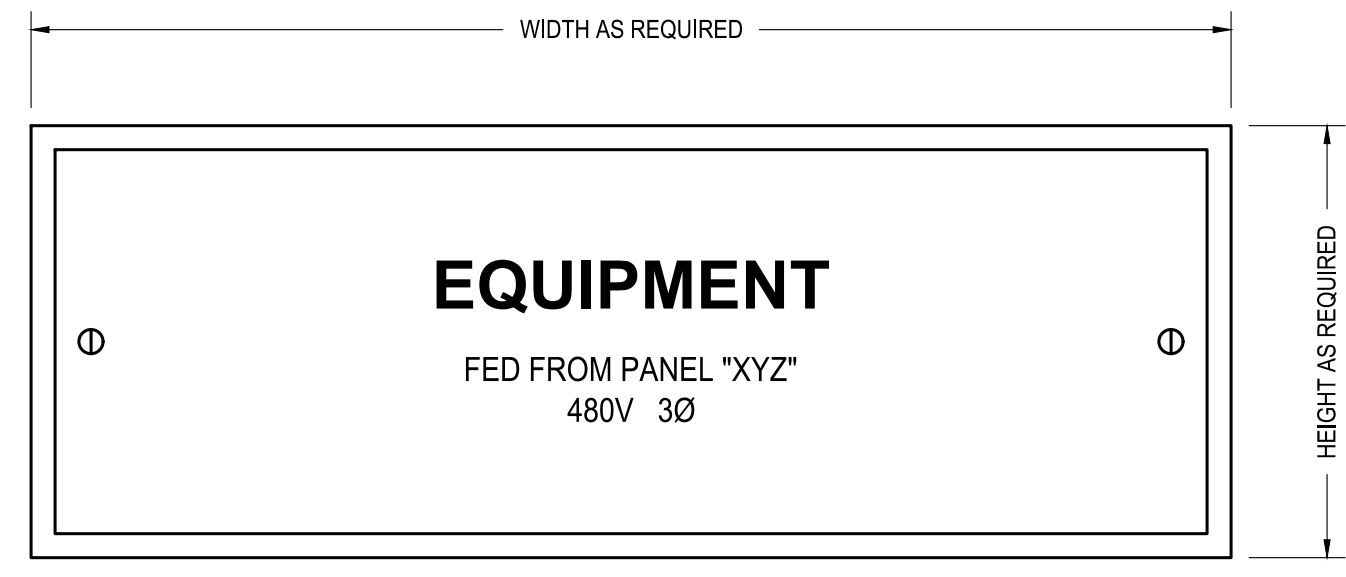


4 TYPICAL LOW VOLTAGE IDENTIFICATION DETAIL
SCALE: N.T.S.



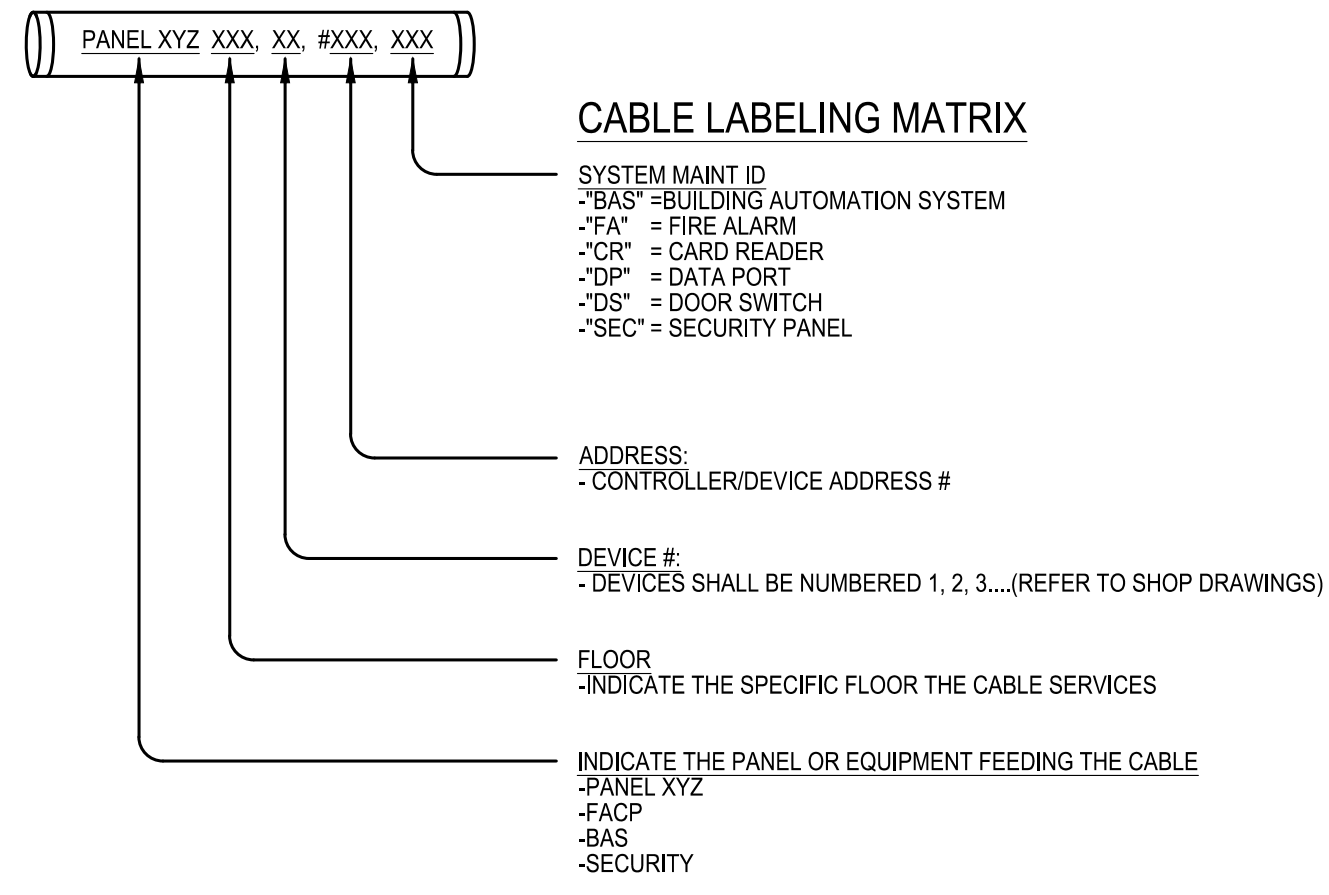
DETAIL NOTE:
ALL POWER, SECURITY, FIRE ALARM, BAS AND OTHER CONTROL WIRING SHALL BE INSTALLED IN CONDUIT. PROVIDE CONDUIT LABELING AT ALL LOCATIONS WHERE CONDUITS ENTER OR LEAVE JUNCTION BOXES, PULL BOXES, CONTROL PANELS, CONTROL DEVICES, WALLS, FLOORS, ELECTRICAL EQUIPMENT, MECHANICAL EQUIPMENT, ETC. AND AT MAXIMUM 90' INTERVALS IN BETWEEN BOXES AND DEVICES. PROVIDE EQUIPMENT NAME, AND CIRCUIT NAME/NUMBER. LABELS SHALL BE VISIBLE FROM THE FLOOR WHERE POSSIBLE. TEXT SIZE SHALL BE 1/2" MINIMUM. CONTRACTOR SHALL SUBMIT LABEL SAMPLE FOR APPROVAL PRIOR TO INSTALLATION.

1 CONDUIT LABEL DETAIL
SCALE: N.T.S.

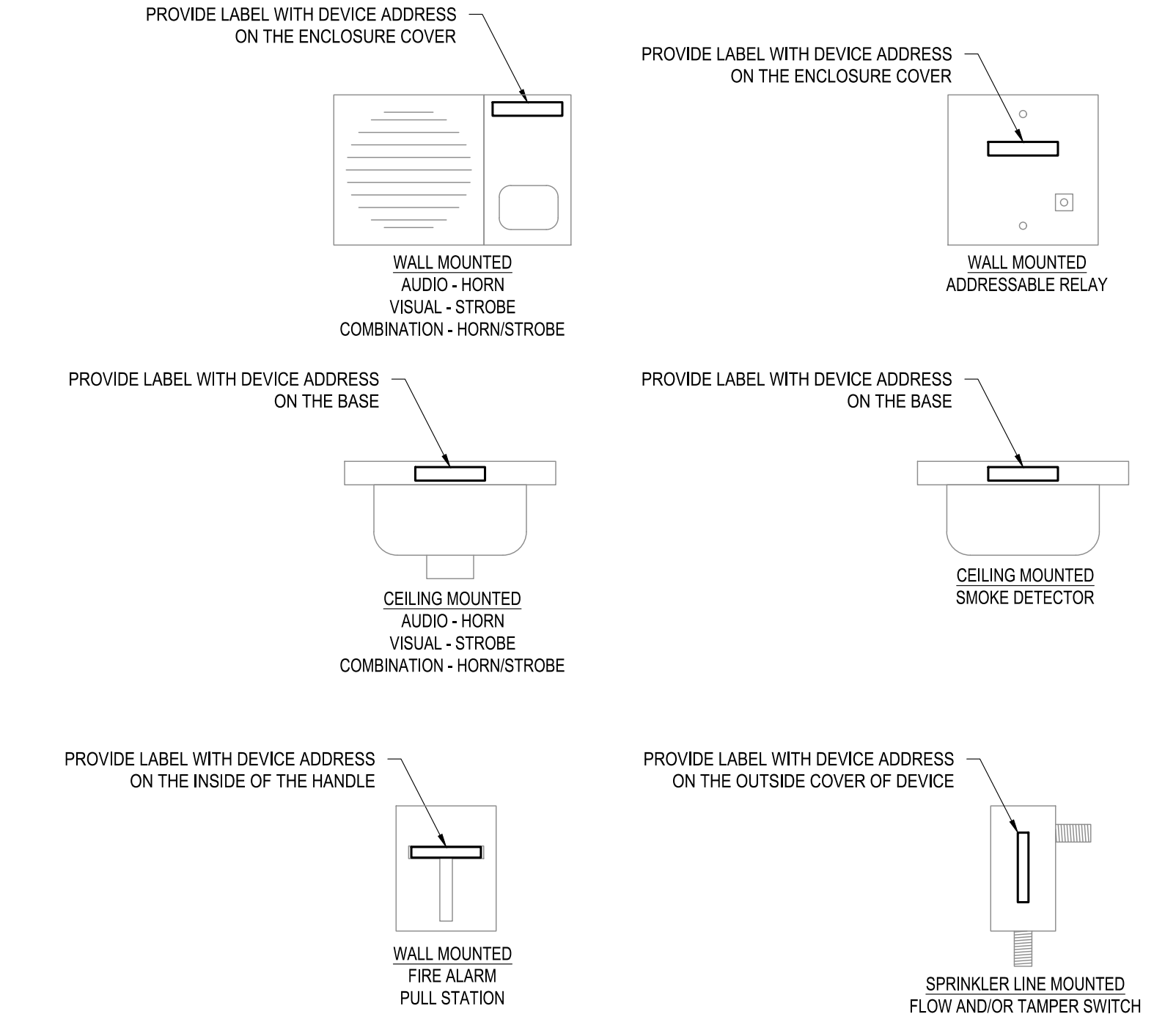


- DETAIL NOTES:**
1. REFER TO SPECIFICATIONS FOR ADDITIONAL LABEL INFORMATION.
 2. REWORD LABEL FOR FIELD CONDITIONS.
 3. PROVIDE SIMILAR LABEL ON ALL MECHANICAL, SPRINKLER SYSTEMS, ELECTRICAL, FIRE ALARM, ACCESS CONTROL SYSTEMS, ETC. ALL NEW EQUIPMENT OR EQUIPMENT INTERFACING WITH THE NEW FIRE ALARM SYSTEM SHALL BE LABELED.
 4. LABEL SIZE SHOULD BE COORDINATED WITH THE EQUIPMENT DIMENSIONS. UTILIZE A COMMON FONT AND FONT SIZE ON ALL LABELS.
 5. CONTRACTOR SHALL SUBMIT LABEL SAMPLE FOR APPROVAL PRIOR TO INSTALLATION.

7 EQUIPMENT LABEL DETAIL
SCALE: N.T.S.



5 TYPICAL LOW VOLTAGE CABLE LABELING MATRIX
SCALE: N.T.S.



- DETAIL NOTES:**
1. PROVIDE LABELS AS NECESSARY TO INDICATE ADDRESS SERVING THE NOTIFICATION OR INITIATING DEVICE. PROVIDE ON ALL NEW AND EXISTING EQUIPMENT.
 2. PROVIDE BLACK LABELS WITH WHITE TEXT.
 3. TEXT SHALL BE EASILY VISIBLE. SUBMIT SAMPLES PRIOR TO INSTALLING.
 4. CLEAN ALL DEVICES PRIOR TO LABELING. NON-ADHERED LABELS WILL NEED TO BE REDONE.
 5. NO ATTEMPT HAS BEEN MADE TO SHOW ALL FIRE ALARM DEVICES IN THIS DETAIL, BUT ALL DEVICES SHALL BE LABELED WITH THE SPECIFIC ADDRESS, THE CONDUIT FEEDING THE DEVICE, AND THE WIRING FEEDING THE DEVICE SHALL ALSO BE LABELED.

2 DEVICE LABELING DETAIL
SCALE: N.T.S.



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MO CCA: 200200563 - Curtis L. Brungardt, P.E. 2003016699

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DEPARTMENT OF
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FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION:
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA502
DRAWN BY: JGR
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
FIRE ALARM
DETAILS

SHEET NUMBER:
FA502
44 OF 53 SHEETS



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CAD DWG FILE: FA503
DRAWN BY: JGR
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
FIRE ALARM
DETAILS

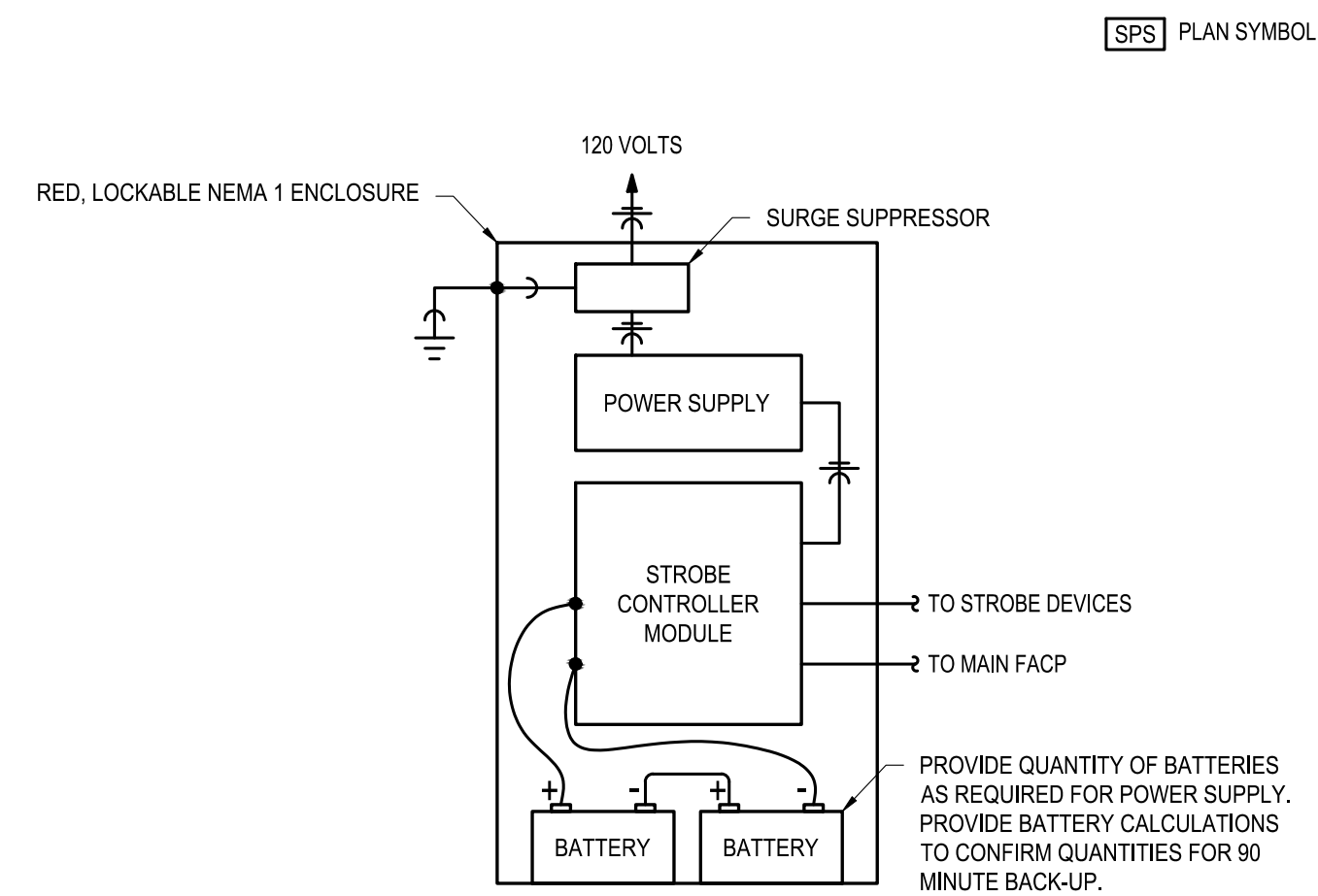
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FA503

45 OF 53 SHEETS

FIRE ALARM SYSTEM WIRING SCHEDULE		
NOITPIRCSED	EPYT	EZIS MUMINIM
STROBE CIRCUIT	SOLID FPLP	14 AWG
HORN/SPEAKER CIRCUIT	TWISTED PAIR SOLID FPLP WITH TRACER	14 AWG
RELAY CIRCUIT	SOLID FPLP	14 AWG
DETECTION CIRCUIT	SOLID FPLP	14 AWG
24 VDC POWER SUPPLY	SOLID FPLP	14 AWG
VOICE NETWORK	TWISTED SHIELDED PAIR SOLID FPLR	14 AWG
NETWORK/COMMUNICATIONS	CAT 6 CABLE	-

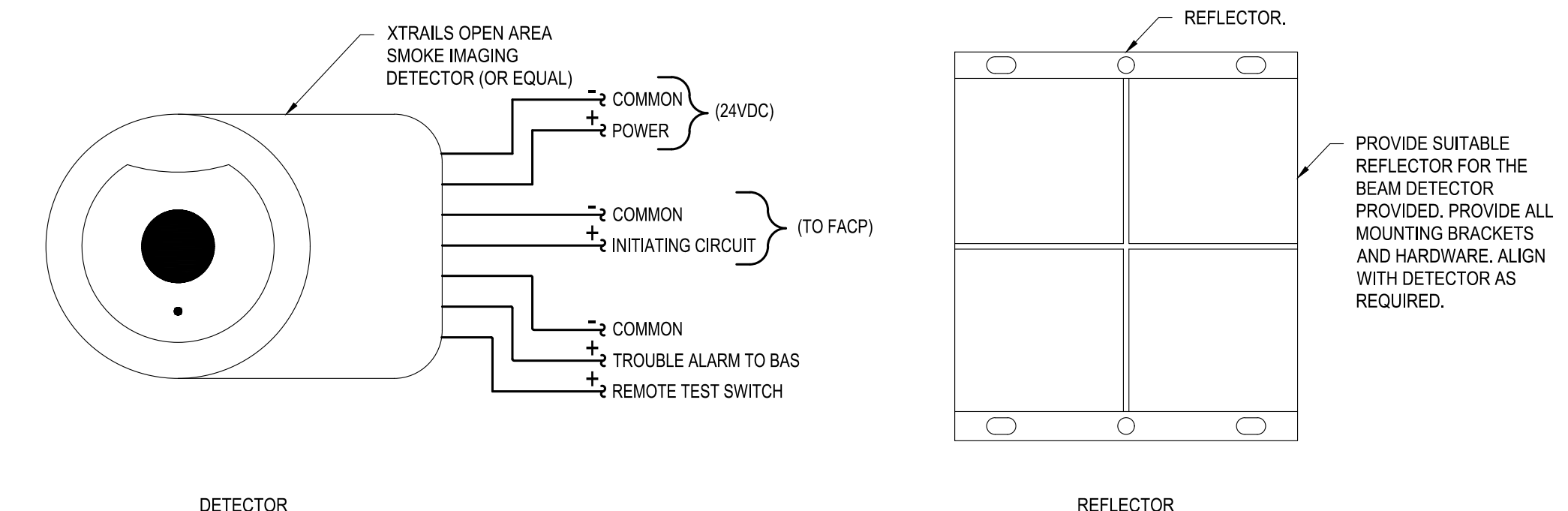
NOTES:
1. CONTRACTOR SHALL ADJUST ALL CONDUCTOR SIZES PER MANUFACTURER REQUIREMENTS AND FOR VOLTAGE DROP REQUIREMENTS.
2. SUBMIT CONDUCTORS FOR ALL CIRCUITS, BASIS OF SOUTHWIRE, BELDEN, OR EQUAL.
3. ALL CONDUCTORS SHALL BE PLENIUM-RATED REGARDLESS IF INSTALLED IN PLENIUM.
4. ALL CONDUCTORS SHALL BE INSTALLED IN CONDUITS.

7 FIRE ALARM SYSTEM WIRING SCHEDULE
SCALE: N.T.S.



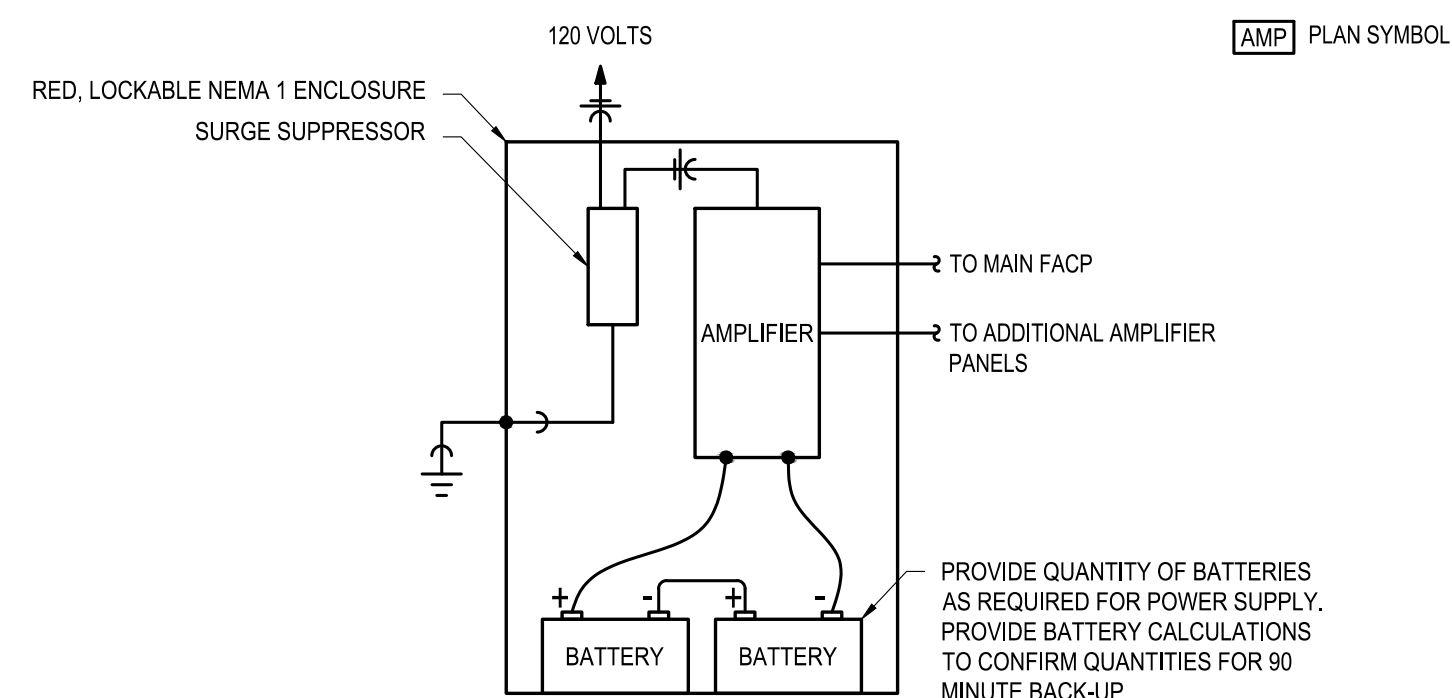
- DETAIL NOTE:
1. REFER TO PLANS AND ONE-LINE DIAGRAMS FOR STROBE PANEL LOCATIONS.
2. PROVIDE QUANTITY OF PANELS AS REQUIRED FOR THE SYSTEM.
3. PROVIDE LABELS ON ALL STROBE PANELS.
4. ALL STROBE PANELS MAY NOT BE SHOWN ON PLANS, BUT CONTRACTOR SHALL PROVIDE QUANTITIES AS REQUIRED FOR FIRE ALARM SYSTEM.
5. PROVIDE END OF LINE RESISTORS AS REQUIRED.

4 STROBE PANEL POWER SUPPLY DETAIL
SCALE: N.T.S.



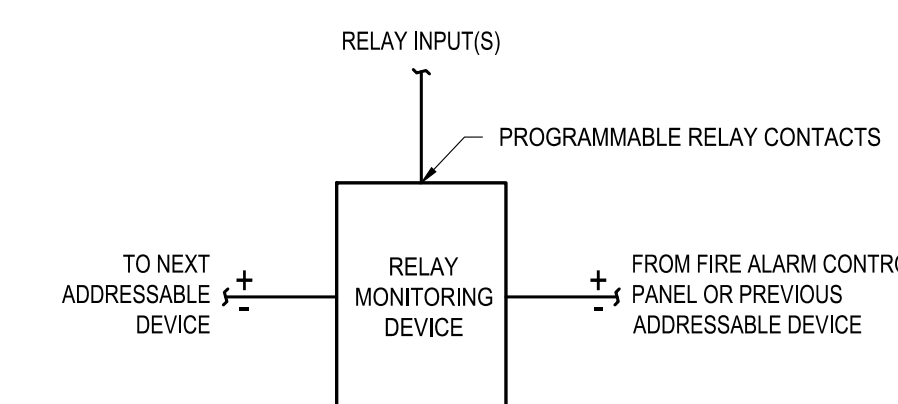
- DETAIL NOTE:
1. REFER TO FLOOR PLANS AND ONE-LINE DIAGRAMS FOR LOCATIONS OF BEAM DETECTORS.
2. MOUNT ASSOCIATED REFLECTOR OPPOSITE OF THE BEAM DETECTOR WHERE SHOWN ON PLANS.
3. CONTRACTOR SHALL ALIGN THE BEAM DETECTOR DURING INITIAL INSTALLATION, AND THEN AT 6 MONTH AND ONE YEAR INTERVALS.
4. BEAM DETECTOR TROUBLE ALARM SHALL BE CONNECTED TO THE FIRE ALARM CONTROL PANEL AND THE BUILDING AUTOMATION SYSTEM.
5. MOUNT BEAM DETECTOR CLEAR OF EXISTING SERVICE TROLLEY.

1 BEAM SMOKE DETECTION WIRING DETAIL
SCALE: N.T.S.



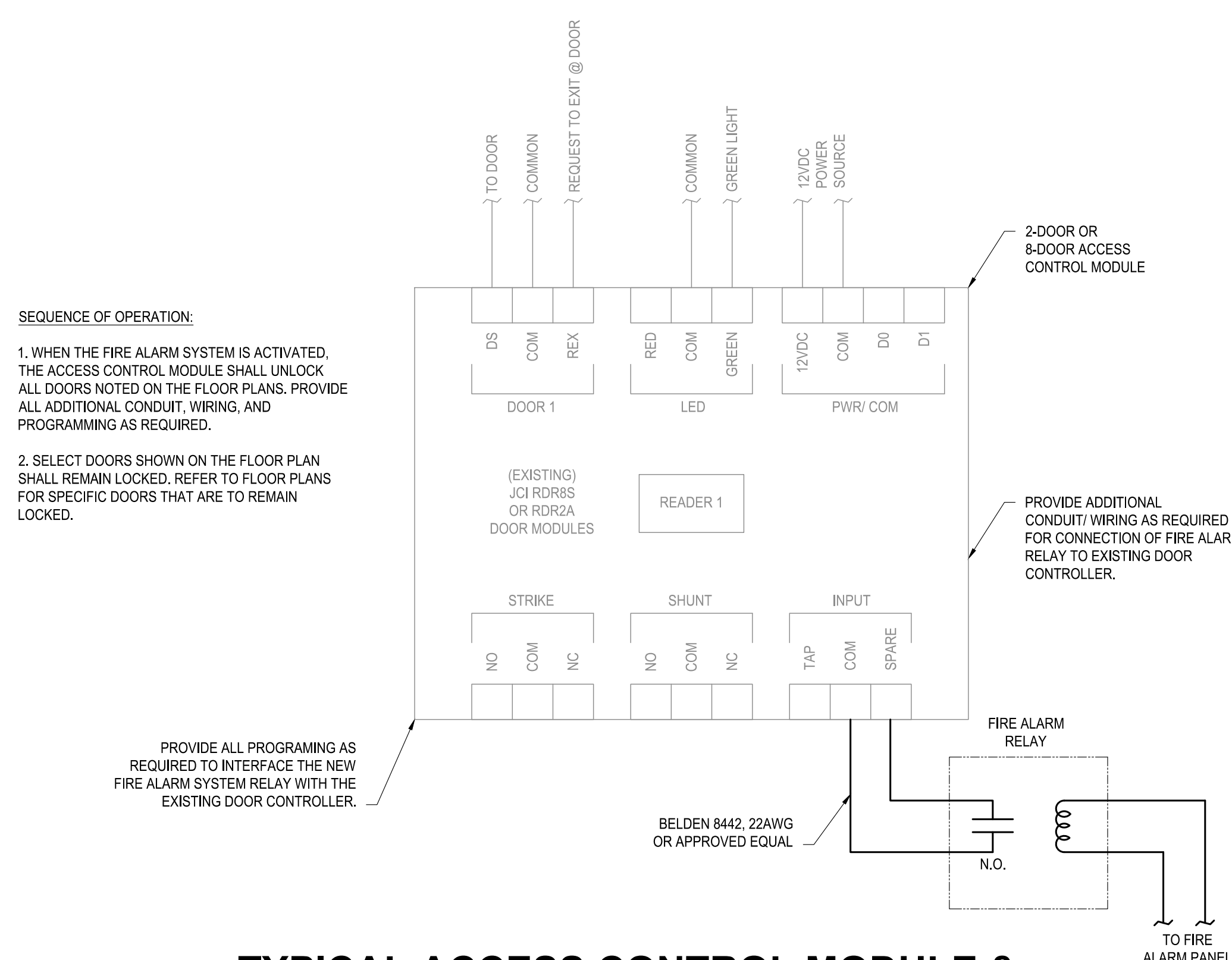
- DETAIL NOTE:
1. REFER TO PLANS AND ONE-LINE DIAGRAMS FOR AMPLIFIER LOCATIONS.
2. PROVIDE QUANTITY OF PANELS AS REQUIRED FOR THE SYSTEM.
3. PROVIDE LABELS ON ALL AMPLIFIER PANELS.
4. ALL AMPLIFIER PANELS MAY NOT BE SHOWN ON PLANS, BUT CONTRACTOR SHALL PROVIDE QUANTITIES AS REQUIRED FOR FIRE ALARM SYSTEM.
5. PROVIDE END OF LINE RESISTORS AS REQUIRED.

5 AMPLIFIER PANEL WIRING DETAIL
SCALE: N.T.S.



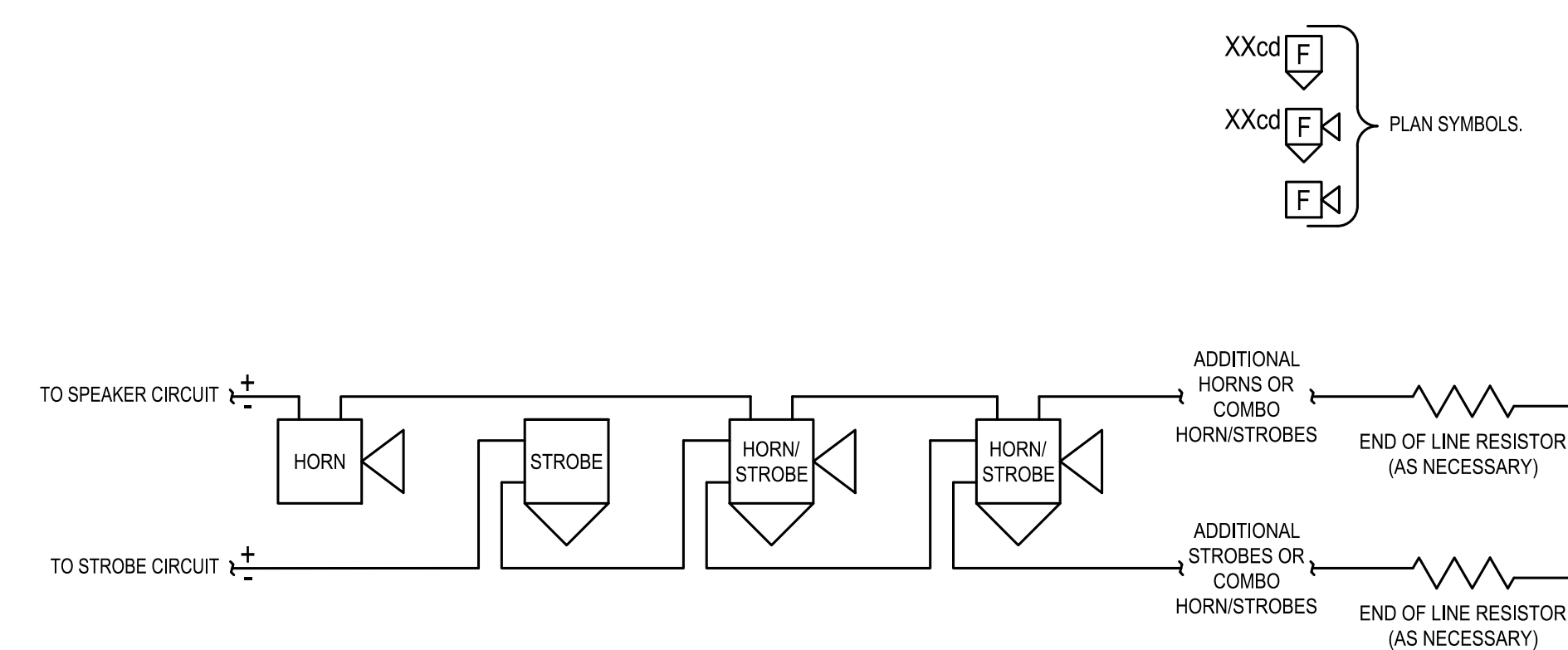
- DETAIL NOTE:
1. REFER TO PLANS AND ONE-LINE DIAGRAMS FOR RELAY LOCATIONS.
2. PROVIDE CONTACT RATED FOR VOLTAGE AND AMPACITY FOR DEVICE BEING MONITORED. COORDINATE IN THE FIELD.

2 ADDRESSABLE RELAY WIRING DETAIL
SCALE: N.T.S.



- SEQUENCE OF OPERATION:
1. WHEN THE FIRE ALARM SYSTEM IS ACTIVATED, THE ACCESS CONTROL MODULE SHALL UNLOCK ALL DOORS NOTED ON THE FLOOR PLANS. PROVIDE ALL ADDITIONAL CONDUIT, WIRING, AND PROGRAMMING AS REQUIRED.
2. SELECT DOORS SHOWN ON THE FLOOR PLAN SHALL REMAIN LOCKED. REFER TO FLOOR PLANS FOR SPECIFIC DOORS THAT ARE TO REMAIN LOCKED.

6 TYPICAL ACCESS CONTROL MODULE & FIRE ALARM INTERFACE WIRING DIAGRAM
SCALE: N.T.S.



- DETAIL NOTE:
1. REFER TO PLANS AND ONE-LINE DIAGRAMS FOR ADDRESSABLE HORN, STROBE, OR COMBINATION HORN/STROBE LOCATIONS.
2. STROBE SHALL BE SET FOR THE CANDLE-A LEVEL AS INDICATED ON PLANS.
3. PROVIDE NUMBER OF POWER SUPPLIES AS REQUIRED FOR QUANTITY OF DEVICES SHOWN.
4. ALL DEVICES SHALL BE LABELED WITH DEVICE ADDRESS.

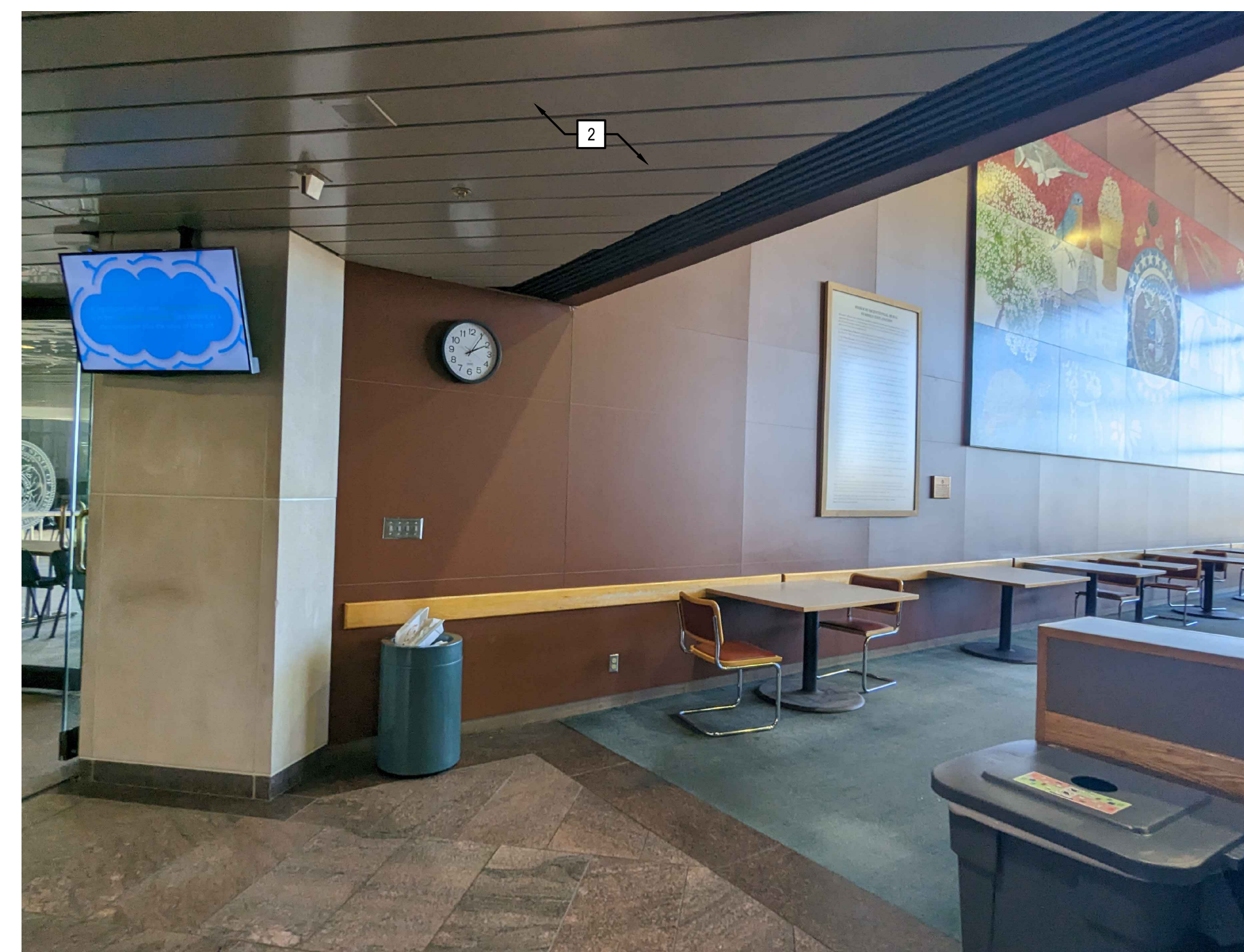
3 ADDRESSABLE HORN, STROBE, AND HORN/STROBE WIRING DETAIL
SCALE: N.T.S.



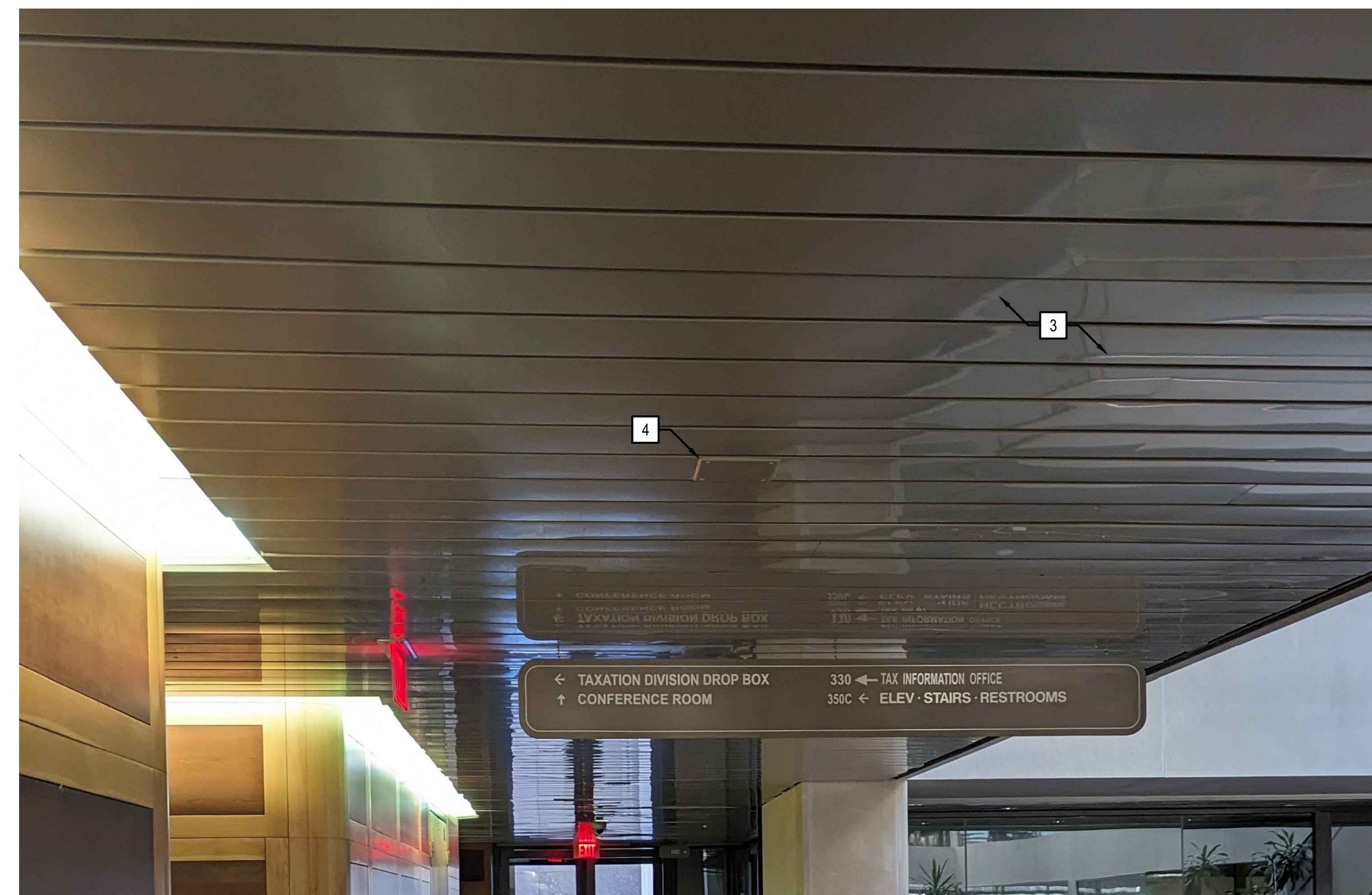
4 ATRIUM FACING WEST
SCALE: N.T.S.



1 EXAMPLES OF DEVICES IN SUSPENDED CEILING SYSTEM
SCALE: N.T.S.



2 NON-UNIFORM SUSPENDED CEILING PANELS
SCALE: N.T.S.



3 UNIFORM SUSPENDED CEILING PANELS
SCALE: N.T.S.

GENERAL NOTES:

1. THE SUSPENDED CEILING SYSTEM PRESENT IN MOST COMMON AREAS IN THIS BUILDING IS UNIQUE AND WAS CUSTOM-DESIGNED FOR THIS BUILDING. THE SYSTEM CONSISTS OF LONG METAL PANELS SUSPENDED ON METAL CHANNELS. IN MANY AREAS, THERE ARE LAYERS OF FIBERGLASS INSULATION RESTING ON TOP OF THE METAL CHANNELS.
2. ANY DAMAGE TO THE SUSPENDED CEILING SYSTEM WILL REQUIRE CUSTOM FABRICATION OF REPLACEMENT CEILING SYSTEM COMPONENTS BY THE CONTRACTOR. REPLACEMENT CEILING SYSTEM COMPONENTS SHALL MATCH EXISTING CEILING SYSTEM.
3. WHERE WORK ABOVE THE CUSTOM SUSPENDED CEILING SYSTEM IS REQUIRED, CONTRACTOR SHALL CAREFULLY LABEL METAL PANELS PRIOR TO REMOVING THEM FROM THE CEILING SYSTEM. THE CONTRACTOR'S LABELING CONVENTION MUST ALLOW CONTRACTOR TO REPLACE METAL PANELS IN THE ORDER AND ORIENTATIONS IN WHICH THEY WERE REMOVED.
4. CONTRACTOR SHALL STORE METAL PANELS CAREFULLY AFTER THEY ARE REMOVED FROM THE CEILING TO AVOID DAMAGE.
5. WHERE METAL PANELS IN THE CUSTOM SUSPENDED CEILING SYSTEM MUST BE REMOVED, COORDINATE PANEL REMOVAL WITH ALL OTHER DEVICES MOUNTED TO PANEL. ANY DEVICES MOUNTED TO, UNDER, OR OVER THE METAL PANELS WHICH ARE NOT RELATED TO THE FIRE ALARM SYSTEM SHALL RETAIN THEIR CURRENT FUNCTIONALITY.
6. WHERE EXISTING FIRE ALARM DEVICES ARE REMOVED FROM THE SUSPENDED CEILING SYSTEM AND NOT REPLACED WITH NEW FIRE ALARM DEVICES, CONTRACTOR SHALL INSTALL A BLANK METAL PLATE TO PATCH THE HOLE LEFT BY THE EXISTING DEVICE. PAINT BLANK METAL PLATE TO MATCH THE EXISTING SUSPENDED CEILING SYSTEM COLOR AND MATERIAL.
7. CONTRACTOR SHALL PHOTOGRAPH EXISTING DAMAGE TO THE EXISTING SUSPENDED CEILING SYSTEM PRIOR TO BEGINNING WORK IN ANY AREA. DAMAGE TO THE EXISTING SUSPENDED CEILING SYSTEM WITHOUT PRIOR PHOTOGRAPHIC CONFIRMATION OF THE EXISTING DAMAGE SHALL BE ASSUMED TO HAVE BEEN CAUSED BY THE CONTRACTOR.

KEYED NOTES:

1. DEVICES INCLUDING BUT NOT LIMITED TO SPRINKLER HEADS, CAMERAS, STROBES, AND SPEAKER PLATES MAY BE PRESENT IN THE CUSTOM SUSPENDED CEILING SYSTEM.
2. WHERE SUSPENDED CEILING METAL PANEL LENGTHS VARY, PANELS MUST BE REPLACED IN THE EXACT LOCATIONS AND ORIENTATIONS FROM WHICH THEY WERE REMOVED.
3. WHERE SUSPENDED CEILING METAL PANEL LENGTHS ARE UNIFORM, PANELS MAY BE REPLACED IN LOCATIONS FROM WHICH OTHER PANELS OF THE SAME SIZE WERE REMOVED. THIS IS ONLY ACCEPTABLE WHERE FIRE ALARM DEVICES ARE REMOVED FROM UNIFORM-LENGTH SUSPENDED CEILING PANELS AND NOT REPLACED, AND WHERE THE SUSPENDED CEILING PANEL HAS NO OTHER DEVICES OR METAL PLATES MOUNTED TO IT.
4. SUSPENDED CEILING METAL PANELS USED TO MOUNT DEVICES THAT ARE NOT RELATED TO THE FIRE ALARM SYSTEM, SUCH AS SPRINKLER HEADS OR CAMERAS, MUST BE REPLACED IN THE EXACT LOCATIONS AND ORIENTATIONS FROM WHICH THEY WERE REMOVED.
5. SUSPENDED CEILING SYSTEM UNDER ATRIUM WALKWAYS.
6. SUSPENDED CEILING SYSTEM UNDER ATRIUM STAIRCASE.
7. BEAM DETECTOR LOCATION SHALL BE COORDINATED WITH THE EXISTING MAINTENANCE TROLLEY SYSTEM.

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR



PROFESSIONAL SEAL



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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

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DATE: _____

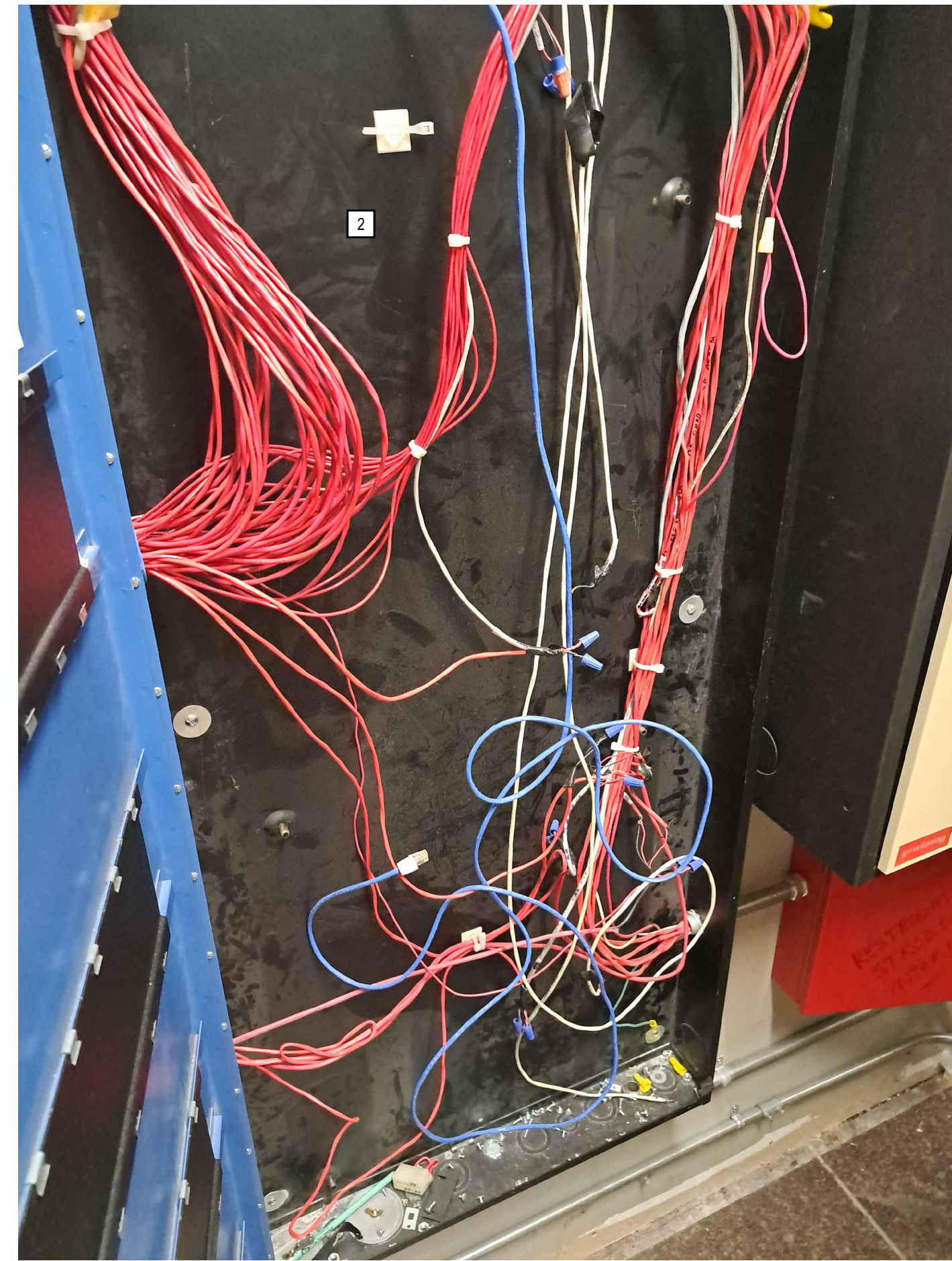
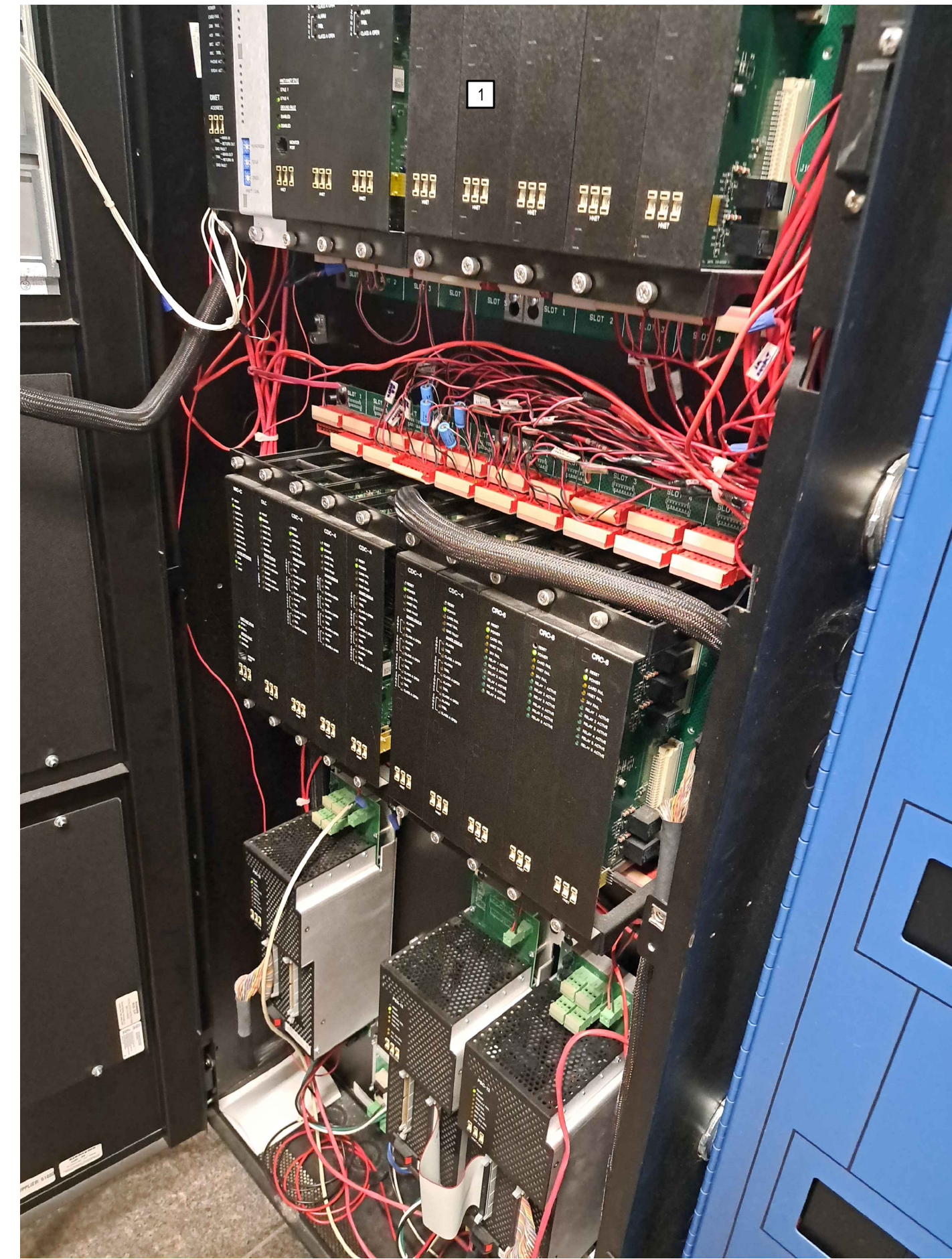
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PROJECT PHASE: CD

CAD DWG FILE: FA504
DRAWN BY: JGR
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
**FIRE ALARM
DETAILS**

SHEET NUMBER:
FA504

46 OF 53 SHEETS



1 LEVEL 1 - FIRE ALARM CLOSET ROOM (EXISTING CONDITIONS)
SCALE: N.T.S.

GENERAL NOTES:

1. THE EXISTING FIRE ALARM CONTROL PANEL SHALL BE REPLACED WITH NEW. THIS WORK SHALL OCCUR PRIOR TO ANY NEW WORK BEING INSTALLED. THE EXISTING FIRE ALARM COMPONENTS SHALL BE CONNECTED TO THE NEW FIRE ALARM PANEL VIA A NEW TERMINAL CABINET INSTALLED ADJACENT TO THE NEW FIRE ALARM CONTROL PANEL. INSTALL ALL RELAYS AND DEVICES IN THE ROOM IN A TEMPORARY MANNER AS REQUIRED TO KEEP THE EXISTING SYSTEM OPERATIONAL. PROVIDE ALL ADDITIONAL ADDRESSABLE RELAYS AS REQUIRED. RELAYS MAY BE INSTALLED IN TEMPORARY LOCATIONS AS REQUIRED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR TOUCH-UP OF ALL WALLS AND CEILING TILES IN THESE ROOMS RESULTING FROM DEMOLITION OF EQUIPMENT AND INSTALLATION OF NEW. HOLES FROM CONDUITS SHALL BE PATCHED. WALLS SHALL BE PAINTED, AND FLOOR SHALL BE CLEANED AND MOPPED WHEN COMPLETE. EXISTING HOLES IN THE AREA OF WORK SHALL BE PATCHED AND PAINTED, EVEN IF HOLES EXISTED PRIOR TO THE BEGINNING OF THIS PROJECT.
3. NO CONDUCTORS SHALL BE REMOVED FROM ANY EXISTING EQUIPMENT UNTIL LABELED. ALL CONDUCTORS SHALL BE LABELED WITH TERMINAL NUMBERS AND IDENTIFIERS PRIOR TO REMOVAL. DO NOT BEGIN DISCONNECTING ANY CONDUCTORS UNTIL FMDC HAS CONFIRMED ALL CONDUCTORS HAVE BEEN LABELED.
4. EXISTING EQUIPMENT ENCLOSURES AND BACK-BOXES SHALL NOT BE REUSED, UNLESS AUTHORIZED BY THE ENGINEER.

KEYED NOTES:

1. EXISTING FIRE ALARM CONTROL PANEL. THIS PANEL IS LOCATED IN THE CLOSET NEAR THE 1ST FLOOR ENTRANCE, AND IS ADJACENT TO THE ESCALATOR. THIS PANEL SHALL BE REMOVED AND REPLACED WITH A NEW FIRE ALARM CONTROL PANEL. THE EXISTING 120 VOLT CIRCUIT FEEDING THIS PANEL SHALL BE REUSED.
2. EXISTING SPARE ENCLOSURE LOCATED ADJACENT TO THE EXISTING FIRE ALARM CABINET. THIS PANEL SHALL BE REMOVED TO MAKE ROOM FOR A NEW TERMINAL CABINET.
3. EXISTING ENCLOSURE IS USED AS AN INTERFACE PANEL BETWEEN THE EXISTING FIRE ALARM CONTROL PANEL AND THE EXISTING BUILDING AUTOMATION SYSTEM. IT CONTAINS TWENTY (20) RELAYS TO INTERFACE THE ALARM ZONES TO THE JOHNSON CONTROL SYSTEM. THIS PANEL SHALL BE REMOVED ONCE THE NEW SYSTEM IS IN PLACE. ALL NEW ADDRESSABLE DEVICES SHALL BE LINKED TO THE BUILDING AUTOMATION SYSTEM SUCH THAT EACH ADDRESSABLE DEVICE IS IDENTIFIED ON THE EXISTING JOHNSON CONTROLS SYSTEM. THIS PANEL SHALL REMAIN IN PLACE UNTIL THAT INTERFACE HAS BEEN MADE. ONCE MADE, THE PANEL SHALL BE REMOVED, AND THE WIRING SHALL BE PULLED BACK TO ALL SOURCES. ALL ASSOCIATED CONDUIT AND WIRING SHALL BE REMOVED. THE WALL BEHIND THE PANEL SHALL BE PATCHED AND REPAIRED. ALL CONDUIT PENETRATIONS RESULTING FROM REMOVAL SHALL BE PATCHED TO MATCH EXISTING SURFACES.
4. EXISTING STROBE PANEL TO BE REMOVED AND REPLACED WITH NEW.
5. EXISTING BATTERY CABINET TO BE REMOVED AND REPLACED WITH NEW.
6. EXISTING FIRE ALARM EXTENSION PANEL FOR THE SOUTH SIDE OF THE BUILDING. THIS PANEL CONTAINS AMPLIFIERS, POWER SUPPLIES, ZONE INDICATION CARDS, COMMUNICATIONS CARDS, AND OTHER MODULES. THIS PANEL SHALL BE REPLACED WITH NEW AND SHALL ACT AS THE VERTICAL RISER PANEL FOR THE SOUTH SIDE OF THE BUILDING.
7. GUTTERS AND ENCLOSURE MAY BE REUSED, BUT ALL WIRING SHALL BE REMOVED AND REPLACED. ALL NEW WIRING SHALL BE NEATLY BUNDLED IN THE EXISTING GUTTER ENCLOSURE. PREFERENCE IS THAT ALL GUTTERS BE REMOVED WHERE POSSIBLE. DO NOT BUNDLE LOW-VOLTAGE AND POWER FEEDS IN COMMON GUTTERS WITHOUT ISOLATION BARRIERS.
8. CONTRACTOR SHALL RELOCATE THESE CONDUITS AS NEEDED FOR NEW WORK. CONTRACTOR SHALL NOT BEND NEW CONDUITS AROUND THESE RACEWAYS, RATHER MOVE TO MAKE ROOM FOR NEW.



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MO CCA 200205631 - Curtis L. Brungardt, P.E. 2003016699

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
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DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA505
DRAWN BY: JGR
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
**FIRE ALARM
DETAILS**

SHEET NUMBER:
FA505

47 OF 53 SHEETS



3 LEVEL 1 - CAPITOL POLICE IT CLOSET (EXISTING CONDITIONS)
SCALE: N.T.S.

2 LEVEL 1 - FIRE ALARM CLOSET (EXISTING CONDITIONS)
SCALE: N.T.S.

KEYED NOTES: [A]

1. EXTERIOR FIRE ALARM STROBE. MOUNT WEATHERPROOF STROBE 18" ABOVE EXISTING SECURITY STATION. AVOID MOUNTING STROBE OVER JOINT IN STONE MASONRY WALL.
2. EXISTING SECURITY STATION. ANY DAMAGE TO THE EXISTING SECURITY STATION WHICH OCCURS DURING CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL CONDITION.
3. JOINT IN STONE MASONRY WALL.

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

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SITE # 1001
FACILITY # 3101001050

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DESIGNED BY: JGR

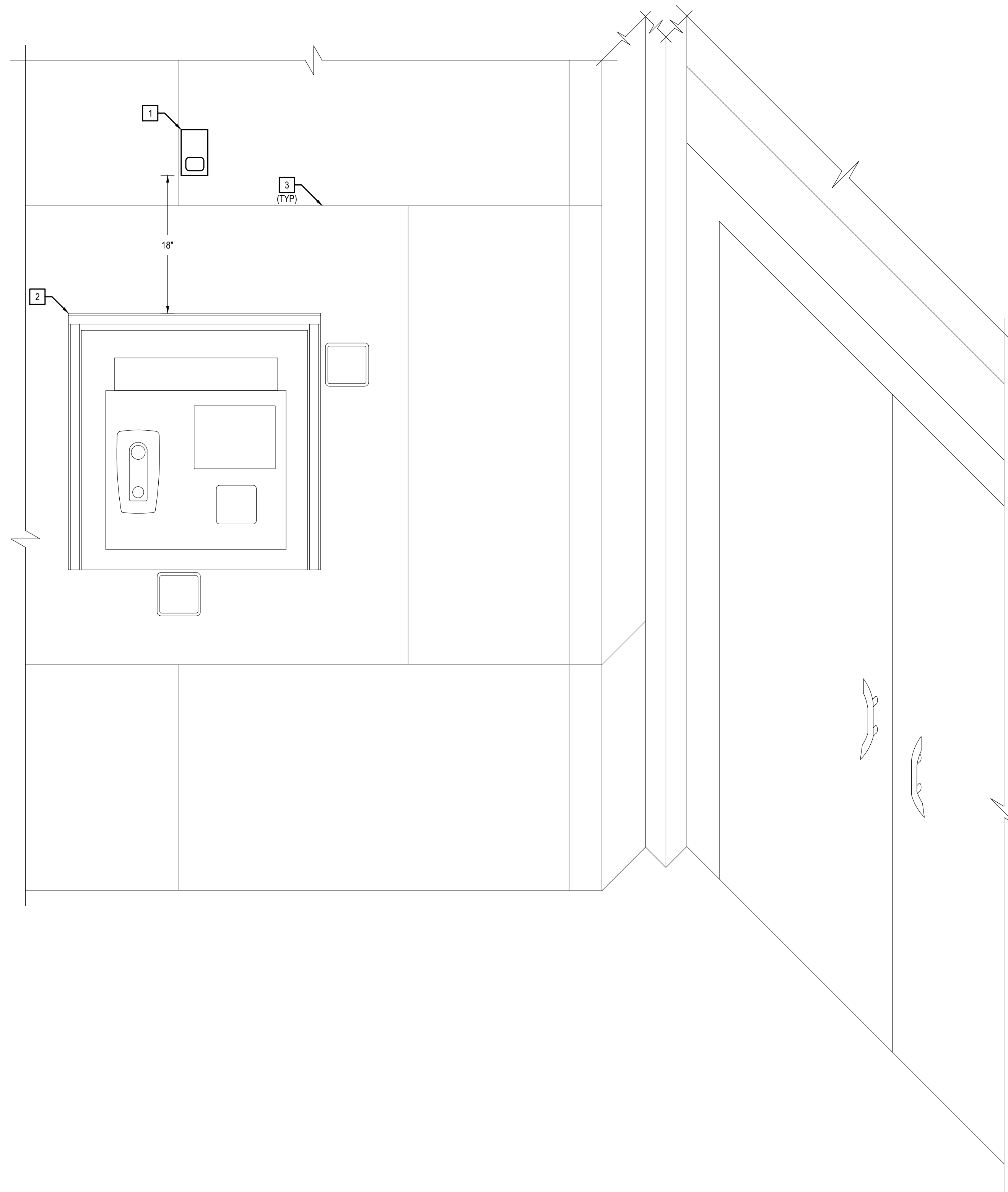
SHEET TITLE:

FIRE ALARM
DETAILS

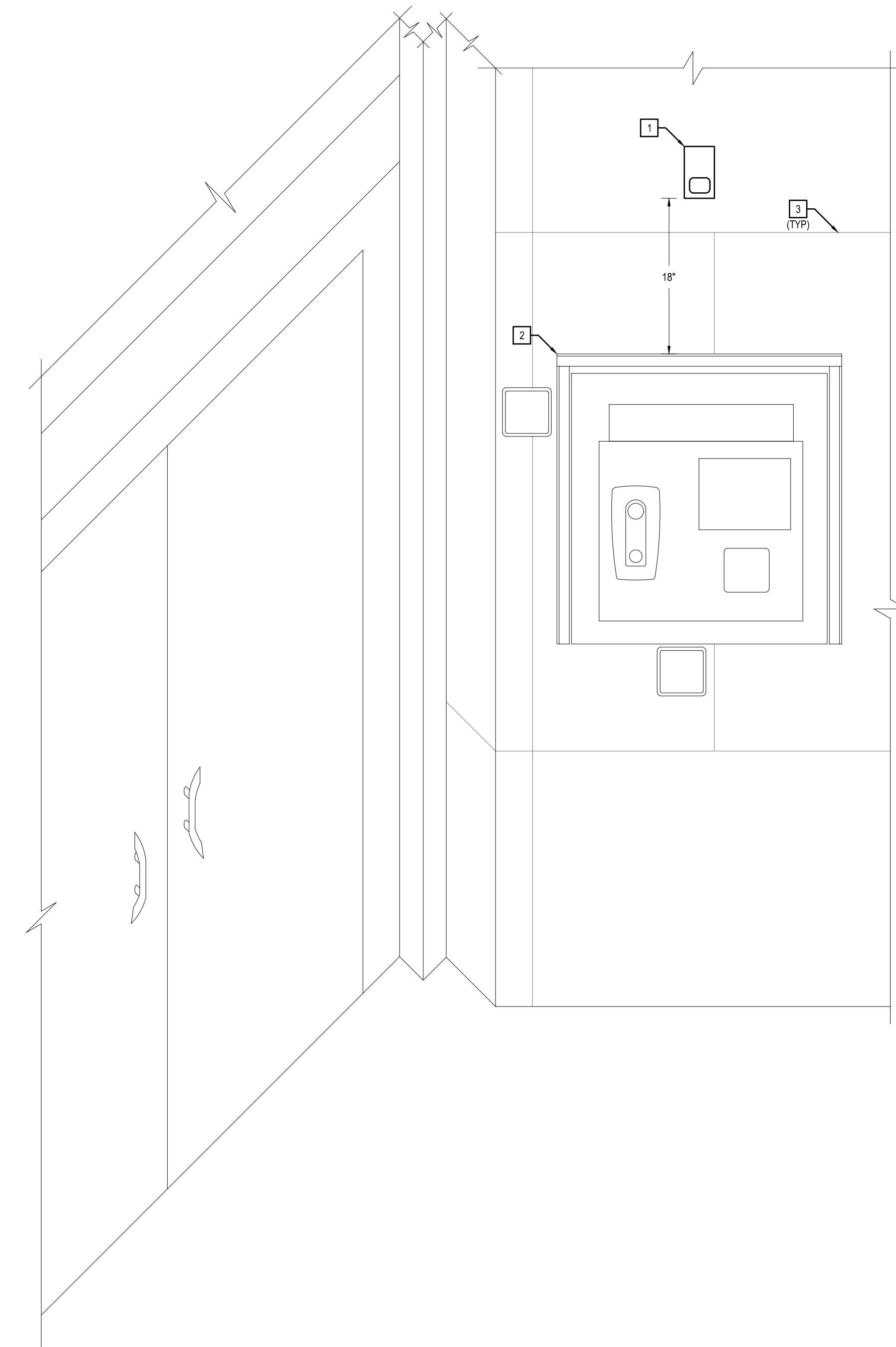
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48 OF 53 SHEETS

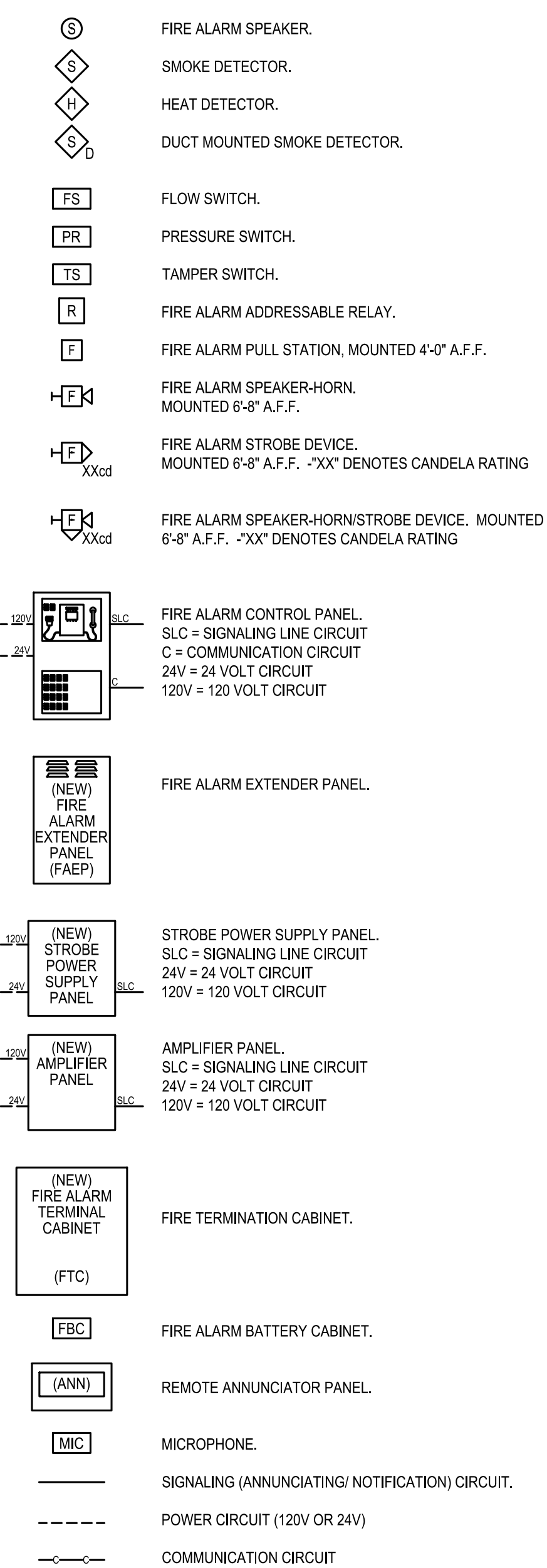


2 EXTERIOR ELEVATION - LEVEL 1
SCALE: N.T.S.

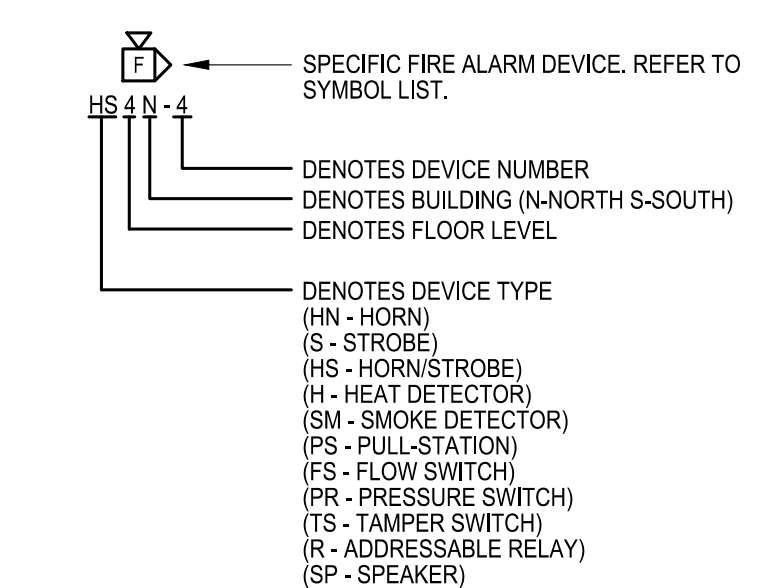


1 EXTERIOR ELEVATION - LEVEL 4
SCALE: N.T.S.

FIRE ALARM RISER DIAGRAM SYMBOLS



DEVICE NOMENCLATURE



NOTES:

- STROBES AND HORN STROBES WILL HAVE A CANDELA RATING LISTED NEXT TO THE DEVICE (EXAMPLE: 15cd). THAT VALUE INDICATES THE SPECIFIC RATING FOR THAT DEVICE. ALL STROBES SHALL BE ADJUSTABLE FROM 15 - 135 CANDELA.
- ALL DEVICES SHALL BE LABELED WITH THE SPECIFIC ADDRESS AS INDICATED ON THE FIRE ALARM CONTROL PANEL. PROVIDE A WHITE LABEL WITH BLACK LETTERING. PROVIDE WITH ARIAL FONT AND MINIMUM 3/16" TALL LETTERING.
- SMOKE AND HEAT DETECTOR SHALL BE LABELED ON THE BASE, DUCT DETECTORS ON THE HOUSING, ADDRESSABLE DEVICES ON THE COVER, AND PULL STATIONS ON THE INSIDE OF THE PULL HANDLE.
- ALL DEVICES SHALL BE ADDRESSABLE AND PROGRAMMED PRIOR TO INSTALLATION.

GENERAL RISER DIAGRAM NOTES:

- THE NOMENCLATURE FOR DEVICES SHOWN ON THE RISER DIAGRAM ARE DEFINED ON THIS SHEET. REFER TO DEVICE NOMENCLATURE FOR ADDITIONAL INFORMATION.
- ALL DETECTOR AND AUDIBLE CIRCUITING SHALL BE OBSERVED FOR ALL DEVICES. COORDINATE WITH MANUFACTURER AND INSTALLATION MANUAL FOR ADDITIONAL INFORMATION.
- ALL AUDIBLE/USUAL CIRCUITING SHALL BE SUPERVISED.
- WIRING IS NOT DEPICTED ON THE RISER DIAGRAM, BUT RATHER IS SHOWN AS AN OVERALL DEPICTION OF THE SYSTEM, LABELING, ADDRESSES, AND SPECIFIC WIRING SHALL BE INCLUDED IN SHOP DRAWINGS.
- DETECTORS SHALL BE AVOIDED AROUND AIR SUPPLY DIFFUSERS WHERE POSSIBLE.
- 120 VOLT CIRCUITING IS SHOWN ON THE ONE-LINE DIAGRAM AND PLANS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
- PULL STATIONS SHALL BE MOUNTED WITHIN 5' OF EACH EXIT OF THE BUILDING OR FLOOR LEVEL.
- SMOKE DUCT DETECTORS SHALL BE COORDINATED WITH THE UNIT MANUFACTURER. CONTRACTOR SHALL NOT ASSUME THE EXISTING LOCATION IS CORRECT. WHERE LOCATION CHANGE IS REQUIRED, THE OPENING IN THE DUCT SHALL BE PATCHED, REPAIRED, AND INSULATED TO MATCH ADJACENT DUCTWORK.
- ALL FIRE ALARM CIRCUITING SHALL BE INSTALLED IN CONDUIT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL FIRE ALARM CABLING SHALL BE PLENUM RATED, EVEN THOUGH ALL IS IN CONDUIT.
- THE RISER DIAGRAM IS A GENERAL DEPICTION OF THE SYSTEM. ALL ADDITIONAL CONDUIT, WIRING, AMPLIFIERS, OR OTHER EQUIPMENT REQUIRED SHALL BE INCLUDED FOR A FULLY FUNCTIONING SYSTEM.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PROGRAMMING. THIS INCLUDES THE FIRE ALARM SYSTEM INTEGRATION TO THE JOHNSON CONTROLS SYSTEM. INTEGRATION TO THE BUILDING ACCESS CONTROL SYSTEM, AND OTHER SYSTEMS AS REQUIRED TO WORK WITH THE MULTI-BUILDING COMMUNICATION SYSTEM.
- CONTRACTOR SHALL VERIFY THE EXISTING CATEGORY RATED CABLE TERMINATIONS USED IN THE BUILDING, WHERE THE EXISTING PATCH PANELS, SWITCHES, OR FIRE ALARM EQUIPMENT WILL NOT ACCEPT A CATEGORY 6 CABLE TERMINATION. THE CONTRACTOR SHALL USE A TERMINAL DEVICE TO MATCH UP WITH THE EXISTING EQUIPMENT AND DE-RATE THE CABLING AS REQUIRED. TEST CABLING TO THE LOWEST RATED TERMINATION TYPE. NOTE ALL DE-RATED TERMINALS/CABLES IN THE TESTING REPORTS.
- THE TERM "HORN" IS USED INTERCHANGEABLY WITH THE TERM "SPEAKER" IN THESE DRAWINGS. ANY DEVICE DESCRIBED AS A "HORN" OR "SPEAKER" SHALL BE CAPABLE OF BROADCASTING BOTH AN AUDIBLE TONE AND A VOICE MESSAGE AS NECESSARY.
- THE NEW WORK PLANS AND NEW WORK ONE-LINES ARE COMPLEMENTARY OF ONE ANOTHER. IN THE EVENT OF CONFLICT BETWEEN ANY PORTION OF THESE DOCUMENTS, THE ENGINEER SHALL BE CONTACTED FOR FORMAL INTERPRETATION OF THE REQUIREMENTS. THE CONTRACTOR SHALL BE DEEMED TO HAVE PROVIDED THE MOST DETAILED AND EXPENSIVE INTERPRETATION OF THE REQUIREMENT IN BID. ANY WORK INSTALLED IN CONFLICT WITH THE ENGINEER INTERPRETATION SHALL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE OWNER.

FIRE ALARM SEQUENCE OF OPERATION:

THE FOLLOWING SEQUENCE SHALL BE USED AS A GUIDE FOR DEVELOPING A SYSTEM INPUT/OUTPUT ALARM MATRIX. CONTRACTOR SHALL INCLUDE AN INPUT/OUTPUT MATRIX WITH THEIR SUBMITTAL.

ADDRESSABLE ANNUNCIATION DEVICES:

- THE ACTIVATION OF ANY ANNUNCIATING DEVICE (SMOKE DETECTOR, DUCT MOUNTED DETECTOR, ELEVATOR LOBBY SMOKE DETECTOR, PULL STATION, FLOW SWITCH, TAMPER SWITCH, OR ANY OTHER DEVICE) ON ANY FLOOR OR ANY LEVEL SHALL CAUSE THE FIRE ALARM SYSTEM TO GO INTO ALARM ON ALL FLOORS.

ADDRESSABLE NOTIFICATION DEVICES:

- SHOULD ANY ANNUNCIATION DEVICE CAUSE THE FIRE ALARM SYSTEM TO GO INTO ALARM, ALL NOTIFICATION DEVICES SHALL BE ACTIVATED. THIS WOULD INCLUDE ALL STROBES, ALL HORNS, ALL COMBINATION HORN/STROBES, AND ANY OTHER NOTIFICATION DEVICE. ALL NOTIFICATION DEVICES SHALL REMAIN IN ALARM UNTIL CLEARED AT THE FIRE ALARM PANEL.

ADDRESSABLE RELAYS:

- SHOULD ANY ANNUNCIATION DEVICE CAUSE THE FIRE ALARM SYSTEM TO GO INTO ALARM, ALL NOTIFICATION DEVICES SHALL BE ACTIVATED. THIS WOULD INCLUDE ALL STROBES, ALL HORNS, ALL COMBINATION HORN/STROBES, AND ANY OTHER NOTIFICATION DEVICE. ALL NOTIFICATION DEVICES SHALL REMAIN IN ALARM UNTIL CLEARED AT THE FIRE ALARM PANEL.
 - HVAC UNITS
 - THE HVAC UNITS SHALL DEFAULT TO THEIR CURRENT STATION OF OPERATION PRIOR TO THE PROJECT. THIS COULD INCLUDE SHUTTING THE UNIT DOWN, PUTTING CERTAIN UNITS INTO FRESH AIR INTAKE ONLY, SOFT OPERATION, OR OTHER. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE CURRENT SMOKE EVACUATION SYSTEM PRIOR TO REPLACING. THE CURRENT OPERATION SHALL BE DUPLICATED ON THE NEW SYSTEM. THIS PROJECT DOES NOT INCLUDE ANY MODIFICATIONS TO THE SMOKE EVACUATION SYSTEM, RATHER IT IS A RECONNECTION TO THE CURRENT OPERATION.
 - ACCESS CONTROL
 - THE EXISTING ACCESS-CONTROLLED DOORS SHALL BE UNLOCKED VIA CONNECTION TO THE JOHNSON CONTROLS DOOR ACCESS CONTROLLERS.
 - A GROUP OF DOORS SHALL REMAIN LOCKED DUE TO SECURITY CONCERNS. THOSE DOORS ARE INDICATED ON THE CONSTRUCTION DRAWINGS.
 - ELEVATOR CONTROL
 - ELEVATORS SHALL RECALL TO THE DESIGNATED FLOOR. SHOULD THE ELEVATOR BE LOCATED ABOVE THE FOURTH FLOOR, THE ELEVATOR SHALL RECALL TO THE FOURTH FLOOR. SHOULD THE ELEVATOR BE LOCATED BELOW THE FOURTH FLOOR, THE ELEVATOR SHALL RECALL TO THE FIRST FLOOR.
 - SHOULD THE FIRE ALARM SYSTEM BE ANNUNCIATED BY A DEVICE ON ONE OF THE TWO RECALL FLOORS, THE ELEVATOR SHALL RECALL TO THE OPPOSITE RECALL FLOOR.
 - SMOKE EVACUATION SYSTEM
 - ONCE THE FIRE ALARM SYSTEM HAS BEEN ACTIVATED, THE SMOKE EVACUATION SYSTEM SHALL BE ANNUNCIATED. THIS SHALL INCLUDE STARTING THE SMOKE EVACUATION SYSTEM ON THE EIGHTH FLOOR AND OPENING THE OUTSIDE LOUVERS ON THE NORTH SIDE OF LEVEL 3.
 - FIRE SMOKE DAMPERS
 - FIRE SMOKE DAMPERS INSTALLED AT FIRE RATED WALLS SHALL CLOSE.
 - STAIRS AND ELEVATOR SHAFTS
 - ANY STAIRWELL OR ELEVATOR SHAFT SERVED BY A SUPPLY FAN, TO PRESSURE THE STAIRWELL OR ELEVATOR SHAFT, SHALL BE INITIATED.

DOOR HOLD-OPENS:

- SHOULD ANY ANNUNCIATION DEVICE CAUSE THE FIRE ALARM SYSTEM TO GO INTO ALARM, ANY DOOR BEING HELD IN AN OPEN STATE SHALL BE RELEASED BY THE DOOR HOLD OPEN MAGNETS.

ANNUNCIATOR PANELS:

- SHOULD ANY ANNUNCIATION DEVICE CAUSE THE FIRE ALARM SYSTEM TO GO INTO ALARM, ALL FIRE ALARM ANNUNCIATOR PANELS SHALL TRANSMIT THE DATA TO THE FIRE ALARM ANNUNCIATOR PANELS ON LEVELS 1 AND 4.
- SHOULD ANY COMMON OR TROUBLE ALARM BE INITIATED, THE LOCATION AND ADDRESSABLE OF THE TROUBLE DEVICE SHALL BE INDICATED ON THE ANNUNCIATOR PANELS.

FIRE ALARM PANEL:

- SHOULD ANY ANNUNCIATION DEVICE CAUSE THE FIRE ALARM SYSTEM TO GO INTO ALARM, A GRAPHICAL DISPLAY ON THE FIRE ALARM PANEL SHALL SHOW THE LOCATION AND ADDRESS OF THE DEVICE IN ALARM.
- SHOULD ANY COMMON OR TROUBLE ALARM BE INITIATED, THE LOCATION AND ADDRESSABLE DEVICE SHALL BE INDICATED ON THE FIRE ALARM PANEL.
- AT ANY TIME, THE FIRE ALARM SYSTEM CAN BE ACTIVATED AT THE FIRE ALARM PANEL.
- AT ANY TIME, THE HANDSET IN THE FIRE ALARM PANEL SHALL ALLOW AN OPERATOR TO ANNOUNCE ANY PRE-PROGRAMMED MESSAGE OR ANY CUSTOM MESSAGE OVER THE FIRE ALARM SYSTEM.

EXISTING DATA CENTER FIRE ALARM PANEL:

- SHOULD ANY ANNUNCIATION DEVICE CAUSE THE NEW BUILDING FIRE ALARM SYSTEM TO GO INTO ALARM, THE EXISTING FIRE ALARM SYSTEM IN THE DATA CENTER SHALL ALSO GO INTO ALARM.
- SHOULD THE EXISTING FIRE ALARM SYSTEM IN THE DATA CENTER GO INTO ALARM, THE NEW BUILDING FIRE ALARM SYSTEM SHALL ALSO ALARM.
- THE EXISTING FIRE ALARM SYSTEM IN THE DATA CENTER SHALL BE SHOWN AS A SINGLE DEVICE/POINT. TO DETERMINE THE EXACT LOCATION OF AN ADDRESSABLE FIRE ALARM DEVICE IN THE DATA CENTER SHALL REQUIRE INTERACTION AT THE EXISTING DATA CENTER FIRE ALARM PANEL.

CAPITOL POLICE:

- AT ANY TIME, THE MICROPHONE(S) AT THE CAPITOL POLICE LOCATION SHALL ALLOW AN OPERATOR TO ANNOUNCE ANY PRE-PROGRAMMED MESSAGE OR ANY CUSTOM MESSAGE OVER THE FIRE ALARM SYSTEM.



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MO CCA 202025653 - Curtis L. Brungardt, P.E. 202025653-0

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FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

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CAD DWG FILE: FA701
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CHECKED BY: JGR
DESIGNED BY: JGR

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FIRE ALARM
RISER DIAGRAM

SHEET NUMBER:

FA701

49 OF 53 SHEETS



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PROJECT PHASE: CD

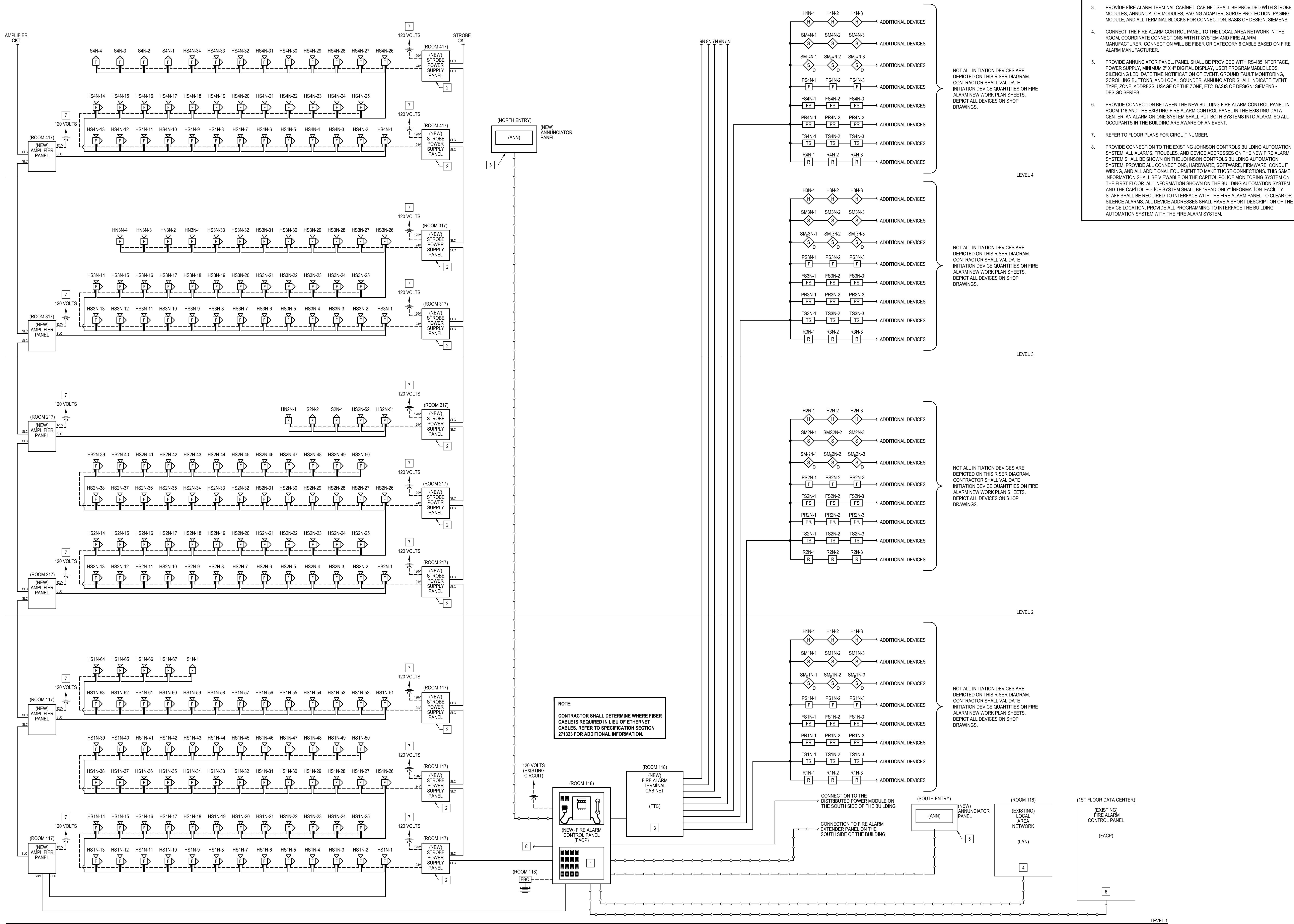
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CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
FIRE ALARM
RISER DIAGRAM

SHEET NUMBER:
FA702
50 OF 53 SHEETS

KEYED NOTES:

- PROVIDE NEW FIRE ALARM CONTROL PANEL, PROVIDE WITH OPERATING UNIT, SWITCH MODULE(S), MICROPHONE MODULE(S), VOICE CPU, VOICE I/O MODULE(S), VOICE AMPLIFIER(S), POWER SUPPLY(S), BACKUP BATTERY(S), SURGE SUPPRESSOR(S), AND ALL ADDITIONAL REQUIREMENTS TO ACCOMMODATE ALL DEVICES SHOWN ON THE PLANS. BASIS OF DESIGN: SIEMENS.
- PROVIDE POWER SUPPLY FOR STROBES, HORNS, COMBINATION HORN-STROBES. PROVIDE WITH CONTROLLER, POWER SUPPLY, AND BATTERY BACK-UP. BASIS OF DESIGN: SIEMENS.
- PROVIDE FIRE ALARM TERMINAL CABINET. CABINET SHALL BE PROVIDED WITH STROBE MODULE(S), ANNUNCIATOR MODULE(S), PAGING ADAPTER, SURGE PROTECTION, PAGING MODULE, AND ALL TERMINAL BLOCKS FOR CONNECTION. BASIS OF DESIGN: SIEMENS.
- CONNECT THE FIRE ALARM CONTROL PANEL TO THE LOCAL AREA NETWORK IN THE ROOM. COORDINATE CONNECTIONS WITH IT SYSTEM AND FIRE ALARM MANUFACTURER. CONNECTION WILL BE FIBER OR CATEGORY 6 CABLE BASED ON FIRE ALARM MANUFACTURER.
- PROVIDE ANNUNCIATOR PANEL. PANEL SHALL BE PROVIDED WITH RS-485 INTERFACE, POWER SUPPLY, MINIMUM 2" X 4" DIGITAL DISPLAY, USER PROGRAMMABLE LEDS, SILENCING LED, DATE TIME NOTIFICATION OF EVENT, GROUND FAULT MONITORING, SCROLLING BUTTONS, AND LOCAL SOUNDER. ANNUNCIATOR SHALL INDICATE EVENT TYPE, ZONE, ADDRESS, USAGE OF THE ZONE, ETC. BASIS OF DESIGN: SIEMENS - DESIGO SERIES.
- PROVIDE CONNECTION BETWEEN THE NEW BUILDING FIRE ALARM CONTROL PANEL IN ROOM 118 AND THE EXISTING FIRE ALARM CONTROL PANEL IN THE EXISTING DATA CENTER. AN ALARM ON ONE SYSTEM SHALL PUT BOTH SYSTEMS INTO ALARM, SO ALL OCCUPANTS IN THE BUILDING ARE AWARE OF AN EVENT.
- REFER TO FLOOR PLANS FOR CIRCUIT NUMBER.
- PROVIDE CONNECTION TO THE EXISTING JOHNSON CONTROLS BUILDING AUTOMATION SYSTEM. ALL ALARMS, TROUBLES, AND DEVICE ADDRESSES ON THE NEW FIRE ALARM SYSTEM SHALL BE SHOWN ON THE JOHNSON CONTROLS BUILDING AUTOMATION SYSTEM. PROVIDE ALL CONNECTIONS, HARDWARE, SOFTWARE, FIRMWARE, CONDUIT, WIRING, AND ALL ADDITIONAL EQUIPMENT TO MAKE THOSE CONNECTIONS. THIS SAME INFORMATION SHALL BE VIEWABLE ON THE CAPITOL POLICE MONITORING SYSTEM ON THE FIRST FLOOR. ALL INFORMATION SHOWN ON THE BUILDING AUTOMATION SYSTEM AND THE CAPITOL POLICE SYSTEM SHALL BE "READ ONLY" INFORMATION. FACILITY STAFF SHALL BE REQUIRED TO INTERFACE WITH THE FIRE ALARM PANEL TO CLEAR OR SILENCE ALARMS. ALL DEVICE ADDRESSES SHALL HAVE A SHORT DESCRIPTION OF THE DEVICE LOCATION. PROVIDE ALL PROGRAMMING TO INTERFACE THE BUILDING AUTOMATION SYSTEM WITH THE FIRE ALARM SYSTEM.



1 PARTIAL FIRE ALARM RISER DIAGRAM - NORTH LEVELS 1 - 4
SCALE: N.T.S



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MO PROJECT NUMBER: 24-0888-0
MO CCA: 2023050563 - Curtis L. Brungardt, P.E. 2023050603

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DEPARTMENT OF
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FACILITIES MANAGEMENT

FIRE ALARM AND
SMOKE DETECTION
REPLACEMENT PROJECT

HARRY S. TRUMAN
STATE OFFICE BUILDING

JEFFERSON CITY, MO 65102

PROJECT # O2001-01
SITE # 1001
FACILITY # 3101001050

REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA703
DRAWN BY: JGR
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
FIRE ALARM
RISER DIAGRAM

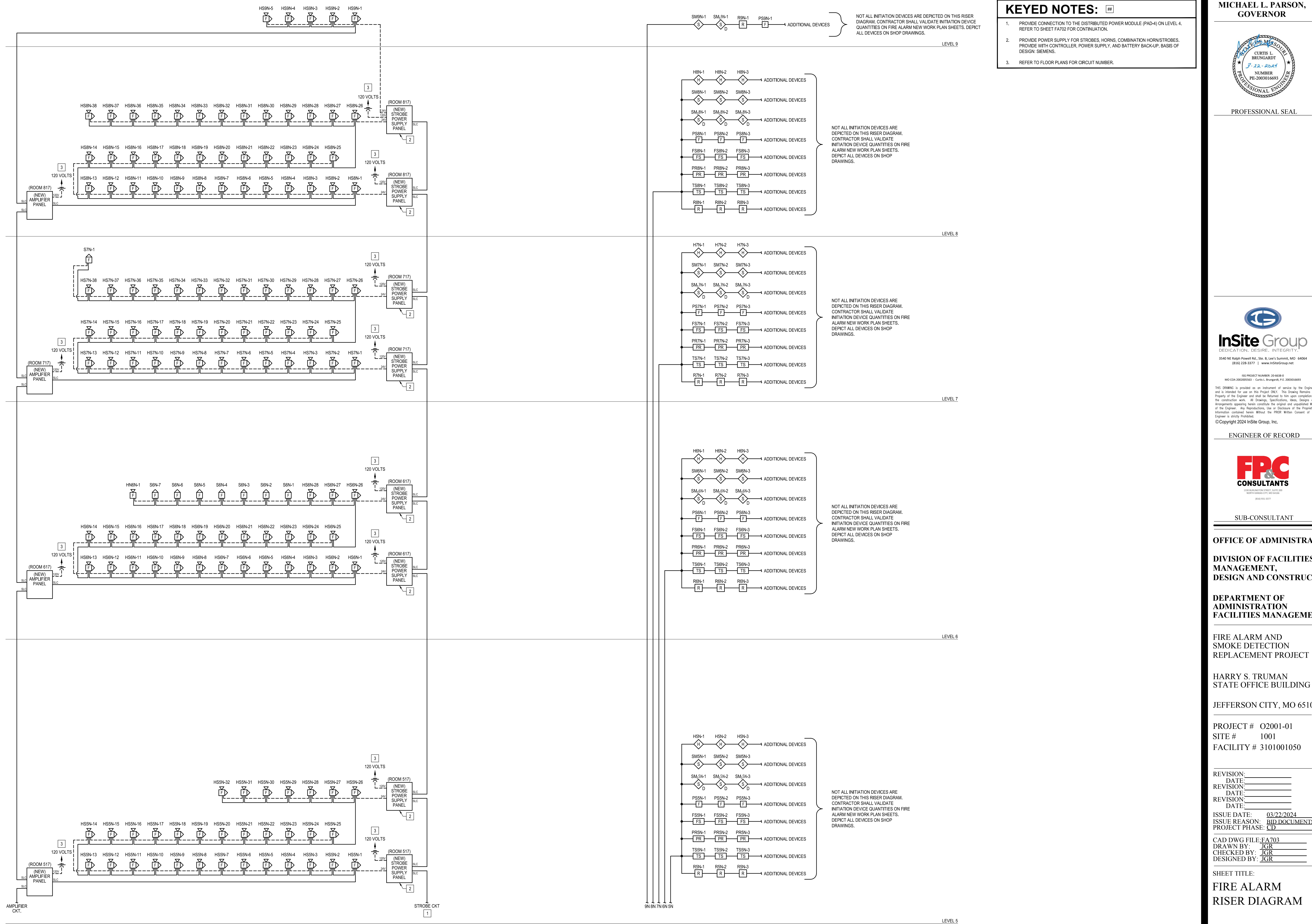
SHEET NUMBER:

FA703

51 OF 53 SHEETS

KEYED NOTES: #

1. PROVIDE CONNECTION TO THE DISTRIBUTED POWER MODULE (PAD-4) ON LEVEL 4. REFER TO SHEET FA702 FOR CONTINUATION.
2. PROVIDE POWER SUPPLY FOR STROBES, HORNS, COMBINATION HORN/STROBES. PROVIDE WITH CONTROLLER, POWER SUPPLY, AND BATTERY BACK-UP, BASIS OF DESIGN: SIEMENS.
3. REFER TO FLOOR PLANS FOR CIRCUIT NUMBER.



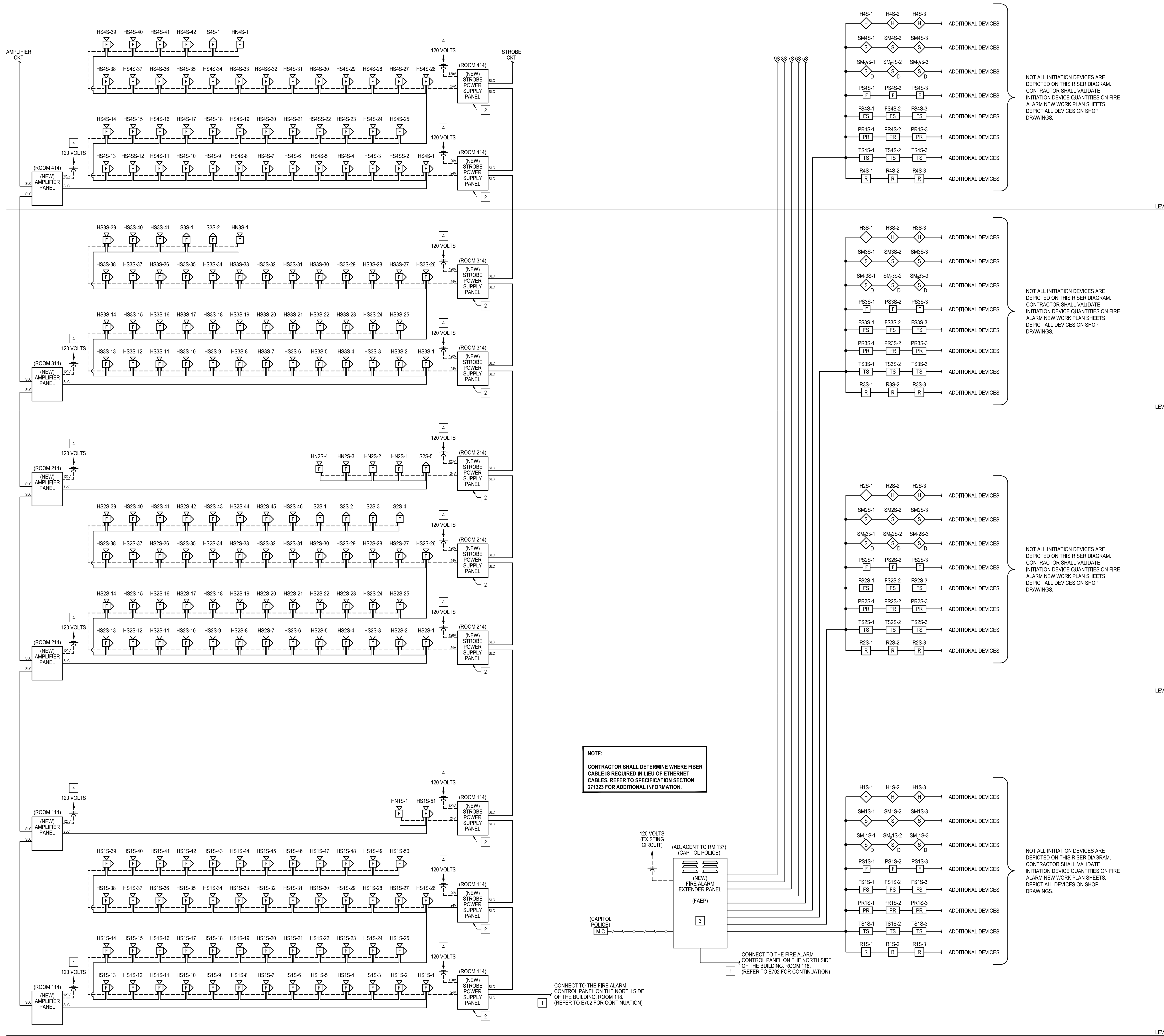
1 PARTIAL FIRE ALARM RISER DIAGRAM - NORTH LEVELS 5 - 9
SCALE: N.T.S



PROFESSIONAL SEAL

KEYED NOTES: #

1. CIRCUITING FROM THE NEW FIRE ALARM CONTROL PANEL, THE NEW PANEL IS LOCATED IN ROOM 118. REFER TO SHEET FA702 FOR CONTINUATION.
2. PROVIDE POWER SUPPLY FOR STROBES, HORNS, COMBINATION HORN/STROBES. PROVIDE WITH CONTROLLER, POWER SUPPLY, AND BATTERY BACK-UP. BASIS OF DESIGN: SIEMENS.
3. PROVIDE FIRE ALARM EXTENDER PANEL. CABINET SHALL BE PROVIDED WITH STROBE MODULES, ANNUNCIATOR MODULES, PAGING ADAPTER, SURGE PROTECTION, PAGING MODULE, AND ALL TERMINAL BLOCKS FOR CONNECTION. BASIS OF DESIGN: SIEMENS.
4. REFER TO FLOOR PLANS FOR CIRCUIT NUMBER.



1 PARTIAL FIRE ALARM RISER DIAGRAM - SOUTH LEVELS 1 - 4
SCALE: N.T.S



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ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD
CAD DWG FILE: FA704
DRAWN BY: JGR
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
**FIRE ALARM
RISER DIAGRAM**

SHEET NUMBER:
FA704
52 OF 53 SHEETS



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InSite Group
DESIGNATION: DESIGN - INTEGRITY
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ISSUE NUMBER: 03-2024-01
MO CEA 200205563 - Curtis L. Brungardt, P.E. 2003016693
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FIRE ALARM AND
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HARRY S. TRUMAN
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JEFFERSON CITY, MO 65102

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ISSUE DATE: 03/22/2024
ISSUE REASON: BID DOCUMENTS
PROJECT PHASE: CD

CAD DWG FILE: FA705
DRAWN BY: JGR
CHECKED BY: JGR
DESIGNED BY: JGR

SHEET TITLE:
**FIRE ALARM
RISER DIAGRAM**

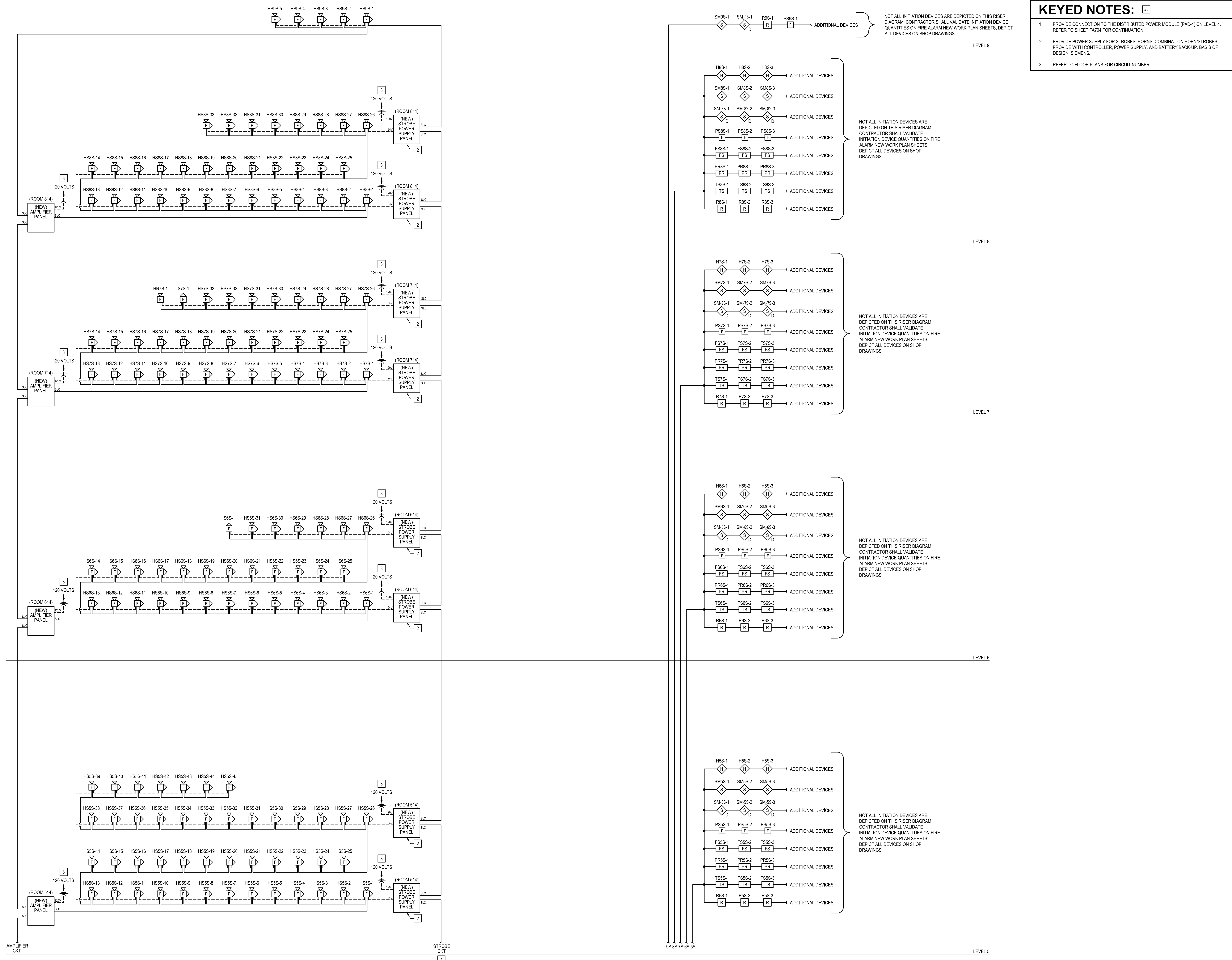
SHEET NUMBER:

FA705

53 OF 53 SHEETS

KEYED NOTES: #

1. PROVIDE CONNECTION TO THE DISTRIBUTED POWER MODULE (PAD-4) ON LEVEL 4. REFER TO SHEET FA704 FOR CONTINUATION.
2. PROVIDE POWER SUPPLY FOR STROBES, HORNS, COMBINATION HORN/STROBES. PROVIDE WITH CONTROLLER, POWER SUPPLY, AND BATTERY BACK-UP, BASIS OF DESIGN: SIEMENS.
3. REFER TO FLOOR PLANS FOR CIRCUIT NUMBER.



1 PARTIAL FIRE ALARM RISER DIAGRAM - SOUTH LEVELS 5 - 9
SCALE: N.T.S