

# REPLACE FIRE ALARM SYSTEM, INFRASTRUCTURE

## NORTHEAST CORRECTIONAL CENTER

### (Bowling Green, Missouri)

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8675 West 96th Street  
Overland Park, KS 66212  
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OWNER: STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR  
  
DEPARTMENT OF  
CORRECTIONS

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

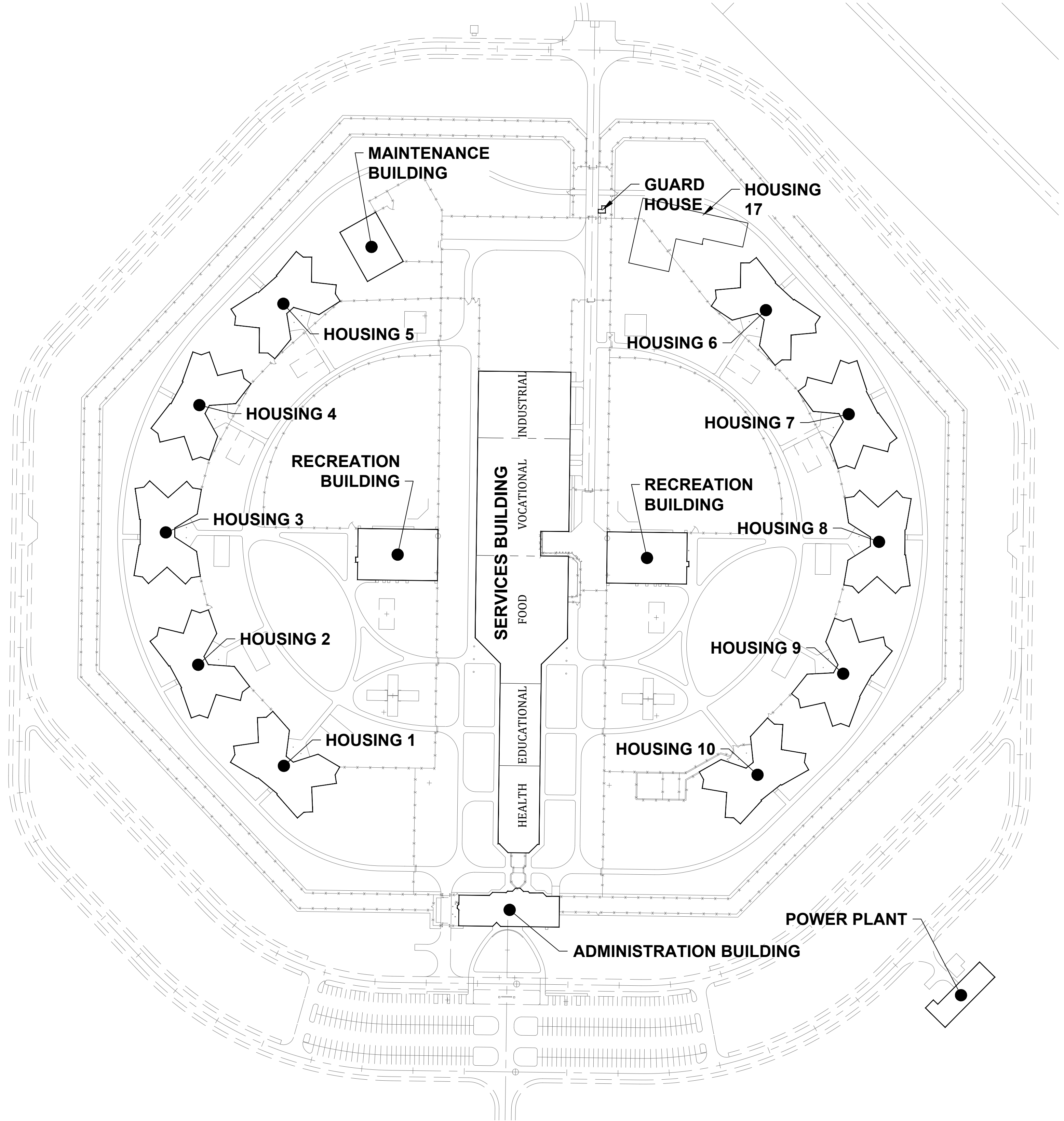
DESIGNER: FSC Inc

PROJECT NUMBER: C2314-01

SITE NUMBER: 7017  
INFRASTRUCTURE NUMBER: 9327017049

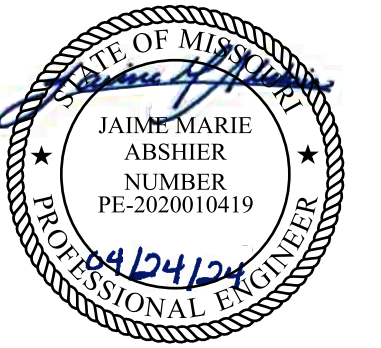
# NE CORRECTIONAL CENTER

## BOWLING GREEN, MISSOURI



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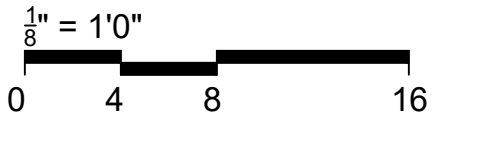
STATE OF MISSOURI  
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PROFESSIONAL SEAL



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ISSUE DATE: 04/24/2024

CAD DWG FILE: FSC  
DRAWN BY: FSC  
CHECKED BY: HDD  
DESIGNED BY: FSC

SHEET TITLE:  
**FIRE ALARM SITE  
PLAN**

SHEET NUMBER:  
**FA-001**

GENERAL NOTES

- ALL NOTES IN THIS DRAWINGS ARE INTEGRAL PART OF THE CONTRACT DOCUMENT AND MUST READ IN CONJUNCTION WITH ALL PACKAGE ELEMENTS (SPECIFICATIONS, LAYOUTS... ETC.)
- INSTALLATION CONTRACTOR SHALL MAINTAIN A LEGIBLE AND ACCURATE SET OF AS-BUILT (MARKED-UP) DRAWINGS FOR RECORD DRAWING PURPOSES AND PROVIDE AS-BUILT PLANS TO FSC, INC. TO ALLOW PROPER RECORD KEEPING BY FSC INC. ENGINEERING DEPARTMENT.
- INSTALLATION CONTRACTOR SHOULD BE FAMILIAR WITH CURRENT STANDARDS OF NFPA 72, NFPA 70, IBC, AND LOCAL CODE REQUIREMENTS. THIS INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE CODES, STANDARDS, LOCAL AMENDMENTS AND MANUFACTURER'S SPECIFICATIONS.
- THE FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE AND SHOW A MINIMAL QUANTITY OF DEVICES. DETERMINE THE FINAL QUANTITY AND LOCATION OF ALL DEVICES IN ACCORDANCE WITH THE SPECIFICATIONS, CONTRACT DRAWINGS, AND MANUFACTURER'S WRITTEN RECOMMENDATIONS TO BE COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS. PROVIDE ADDITIONAL DEVICES WHEN REQUIRED FOR A FULLY FUNCTIONING FIRE ALARM SYSTEM AS REQUIRED BY NFPA 72
- THE INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BEGIN UNTIL THE DRAWINGS HAVE BEEN REVIEWED AND APPROVED BY THE ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK LOCATIONS, DEPTHS, ELEVATIONS, AND SIZES OF THE EXISTING SYSTEMS THAT SHALL BE REPLACED. THE CONTRACTOR SHALL ASSUME SOME DEVIATIONS AND INCLUDE OFFSETS, ADDITIONAL WIRING, ETC. AT THE TIME OF BID. ALSO CONTRACTOR SHALL BE AWARE OF THE FULL EXISTING PROJECT / SYSTEM CONDITIONS AT TIME OF BID.
- FIRE ALARM SYSTEMS AND NETWORK SHALL BE NON-PROPRIETARY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONDUITS, BOXES, ETC. AND FIBER FROM THE FACU TO EACH BUILDING'S FIBER PATCH PANEL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TERMINATIONS AND PROGRAMMING, INCLUDING FIBER MODULES (SINGLE MODE OR MULTIMODE) AND PROGRAMMING.
- FIRE ALARM SEQUENCE OF OPERATION SHALL BE APPROVED BY THE STATE OF MO PRIOR TO CONFIGURATION.
- A MONITOR SHALL BE LOCATED IN THE MAIN GUARD STATION, DEDICATED TO THE FA SYSTEM THAT ALLOWS SECURITY TO MONITOR EACH BUILDING AT A GLANCE. A TROUBLE OR ALARM IN ANY BUILDING OR FACU WILL ACTIVE A NONFICTION ON THE SCREEN AND PROVIDE AUDIBLE NOTIFICATION (SONALERT OR SIMILAR) THAT THERE IS AN ISSUE AT XX BUILDING.
- THE CONTRACTOR IS RESPONSIBLE FOR CONNECTING AND INTEGRATING ALL FIRE ALARM UNITS INTO THE CAMPUS NETWORK. THE CONTRACTOR SHALL COORDINATE WITH THE INTERNAL SITE IT REPRESENTATIVES TO OBTAIN IP ADDRESSES AND OTHER REQUIRED INFORMATION FOR NETWORK PROGRAMMING. THE CONTRACTOR SHALL PROGRAM OR ENGAGE A SUBCONTRACTOR TO PROGRAM THE CAMPUS NETWORK SO ALL NEW FACUS REPORT THE MAIN FACU THAT IS TO BE LOCATED IN THE ADMINISTRATIVE BUILDING'S MAIN SECURITY OFFICE WHERE INDICATED ON THE DRAWINGS.
- ENGAGE SPRINKLER CONTRACTOR AS NECESSARY TO REPLACE SPRINKLER MONITORING EQUIPMENT.
- AC POWER FOR ALL FIRE ALARM CONTROL PANELS SHALL BE 120VAC, 50/60 HZ, 20 AMPS. WIRE SHALL BE MINIMUM 12 AWG WITH 600V INSULATION.
- THE LOCATION OF THE DEDICATED BRANCH CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE CONTROL UNIT.
- 120VAC CIRCUITS SHALL BE RUN IN SEPARATE CONDUIT.
- ALL NON-POWER LIMITED WIRING SHALL HAVE A MINIMUM OF A 1/4" SEPARATION FROM POWER LIMITED WIRING.
- ALL WIRING AND/OR CABLES SHALL BE ROUTED IN CONDUIT AND FIRE ALARM RATED.
- TEE-TAPPING IS ONLY PERMISSIBLE ON CLASS 'B' SLC CIRCUITS.
- ALL FIRE ALARM DEVICES AND WIRING SHALL BE PROPERLY LABELED WITH DEVICE AND WIRING IDENTIFICATION. RECOMMEND LABELING ALL DEVICES WITH A GOOD LABEL MAKER PRODUCT.
- A BREAKER LOCK SHOULD BE INSTALLED AT THE ELECTRICAL PANEL ON THE BRANCH CIRCUIT FEEDING ANY FIRE ALARM PANEL. MUST BE IDENTIFIED BY RED AND LABELED AS SERVING THE FIRE ALARM SYSTEM.
- SET STROBES TO CANDELA NOTED ON PLAN SHEET.
- REFER TO DEVICE INSTALLATION SHEETS FOR BACK BOX REQUIREMENTS.
- REFER TO DEVICE INSTALLATION SHEETS FOR REQUIREMENTS ON INSTALLING ALL EQUIPMENT.
- ALL CIRCUITS SHALL BE IDENTIFIED AT TERMINAL AND JUNCTION LOCATIONS WHICH WILL HELP PREVENT UNINTENTIONAL SIGNALS TO OCCUR ON THE SYSTEM.
- ALL WIRING CIRCUITS TO BE CHECKED FOR PROPER ELRD (END OF LINE RESISTOR DEVICE) READINGS. ALL GROUND FAULTS AND AND SHORTS SHALL BE ELIMINATED PRIOR TO FINAL ACCEPTANCE TESTING.
- INTEGRITY OF CIRCUIT SHALL BE TESTED TO VERIFY THAT WHEN THE SYSTEM IS IN AN ENERGIZED STATE THE SYSTEM WILL FUNCTION PROPERLY.
- ANY MODIFICATION MADE TO THE DEVICE LAYOUT, WIRING LAYOUT OR CONFIGURATION OF WIRING TO NOTIFICATION OR INITIATING DEVICES SHALL BE REVIEWED AND APPROVED BY AN FSC, INC. REPRESENTATIVE WHOSE DIRECT RESPONSIBILITY INCLUDES DESIGN AND ENGINEERING.
- SMOKE DETECTORS SHALL NOT BE LOCATED IN A DIRECT AIR FLOW OR CLOSER THAN 3 FEET FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. SMOKE DETECTORS SHOULD BE LOCATED FARTHER AWAY FROM HIGH VELOCITY AIR SUPPLIES.
- SMOKE DETECTORS SHALL BE SPACED AS INDICATED ON THE DRAWINGS AND FOLLOW THE SPACING REQUIREMENTS SPECIFIED IN NFPA 72. ANY CHANGES IN SMOKE DETECTOR LAYOUT DUE TO OBSTRUCTIONS IN THE CEILING SHALL BE REVIEWED AND APPROVED BY AN FSC, INC. REPRESENTATIVE WHOSE DIRECT RESPONSIBILITY INCLUDES DESIGN AND ENGINEERING.
- FIRE SPRINKLER WATER FLOW AND VALVE TAMPER SWITCHES SHALL BE MONITORED BY THE FIRE ALARM SYSTEM (IF APPLICABLE).
- AIR HANDLER UNITS THAT ARE GREATER THAN 2000 CFM SHALL BE EQUIPPED WITH A DUCT SMOKE DETECTOR IN THE RETURN DUCT. VERIFY LOCATION IN FIELD.
- NOTIFICATION APPLIANCE CIRCUITS ARE TO BE 16 AWG 2 CONDUCTOR SOLID FPLR, FPLP, OR THHN WITH A MINIMUM OF 19 STRANDS AS REQUIRED. THHN WIRE MUST BE INSTALLED IN CONDUIT.
- SIGNALING LINE CIRCUITS ARE TO BE 18AWG 2 CONDUCTOR SOLID FPLR, FPLP (PLENUM RATED) CABLE OR 16AWG OR 18AWG THHN WIRE (MUST BE 7 STRAND OR LESS) AS REQUIRED. THHN WIRE MUST BE INSTALLED IN CONDUIT.
- AUDIO CIRCUITS ARE TO BE 14 AWG 2 CONDUCTOR SOLID SHIELDED TWISTED PAIR FPLR OR FPLP (PLENUM RATED) AS REQUIRED.
- LIMIT NOTIFICATION APPLIANCE CIRCUIT WIRING TO THE SHORTEST POSSIBLE DISTANCE TO ACHIEVE CIRCUIT OPERATION.
- ALL FIRE ALARM CABLE SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 760 OF NFPA 70 NATIONAL ELECTRICAL CODE.
- PLENUM RATED CABLE MUST BE INSTALLED IN ALL PLENUM AREAS. RISERS NOT IN CONDUIT MUST USE FPLP CABLE WHEN PENETRATING MORE THAN ONE FLOOR.
- INPUT MODULE END OF LINE RESISTORS ARE BY MANUFACTURER INSTRUCTIONS.
- NOTIFICATION APPLIANCE END OF LINE RESISTORS ARE BY MANUFACTURER INSTRUCTIONS. WHERE POSSIBLE, ALWAYS USE OEM SUPPLIED RESISTORS. WHERE OEM SUPPLIED RESISTORS ARE NOT AVAILABLE, USE RESISTOR COLOR CODE TO SELECT THE PROPER RESISTOR, MATCHING VALUES TO OEM SUPPLIED RESISTOR.
- A SMOKE DETECTOR SHALL BE PROVIDED ABOVE ALL FIRE ALARM CONTROL UNITS.
- WALL MOUNT NOTIFICATION DEVICES SHALL BE INSTALLED AT 80" A.F.F. TO THE BOTTOM OF THE BOX.
- MANUAL PULL STATIONS SHALL BE INSTALLED AT A MINIMUM 42" A.F.F. AND NOT GREATER THAN 48" TO THE OPERATING MECHANISM.
- WHERE (2) OR MORE STROBES ARE VISIBLE THEY WILL BE SYNCHRONIZED.
- ALL NEW REQUIRED CABLING SHALL HAVE INDEPENDENT SUPPORTS.
- PROVIDE AUDIBILITY SOUND LEVEL OF 70 dBA THROUGHOUT THE AREA OF WORK.
- CONTRACTOR SHALL COORDINATE WITH ALL OTHER MEP TRADES (MECHANICAL/ELECTRICAL/PLUMBING) FOR EXACT LOCATION OF CEILING / WALL MOUNTING OF FIRE ALARM DEVICES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM SPACES FOR SUSPENDED CEILINGS. DETECTORS ABOVE SUSPENDED CEILINGS SHALL CONFORM TO NFPA 72
- EXISTING DEVICES NOT REQUIRED BY THE APPLICABLE CODE WILL BE REPLACED AT A ONE-TO-ONE RATIO IN THEIR EXISTING LOCATIONS TO MAINTAIN THE EXISTING LEVEL OF PROTECTION THE SYSTEM WAS ORIGINALLY DESIGNED FOR.
- EXISTING WIRING SHOWN IN THE DRAWINGS WAS PROVIDED BY THE STATE OF MISSOURI IN THE FORM OF AS BUILT DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING WIRING.
- WIRING NOT PROVIDED ON NEW WORK DRAWINGS FOR CLARITY. PLEASE REFER TO DEMO DRAWINGS FOR REFERENCE ASBUILT WIRE ROUTING INFORMATION PROVIDED BY OWNER. ROUTING TO BE VERIFIED BY THE CONTRACTOR.
- FSC, INC. SHALL BE NOTIFIED OF COMMISSIONING OF THE SYSTEM AND SHALL BE PROVIDED ALL DOCUMENTATION WITH RESPECT TO SYSTEM COMMISSIONING AND AHJ ACCEPTANCE.
- DESIGN IS IN ACCORDANCE WITH CODES AND STANDARDS LISTED AND THE AHJ OF THE STATE OF MISSOURI. NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE - 2022 UL STANDARD 864 - STANDARD FOR CONTROL UNITS AND ACCESSORIES FOR FIRE ALARM SYSTEMS UL STANDARD 268 - STANDARD FOR SMOKE DETECTORS FOR FIRE ALARM SYSTEMS NEC 70 - NATIONAL ELECTRICAL CODE
- WIRE GUARDS REQUIRED FOR SMOKE DETECTORS / OR NOTIFICATION APPLIANCES SHALL BE U.L LISTED, NON U.L-LISTED GUARDS SHALL BE REMOVED AND REPLACED.

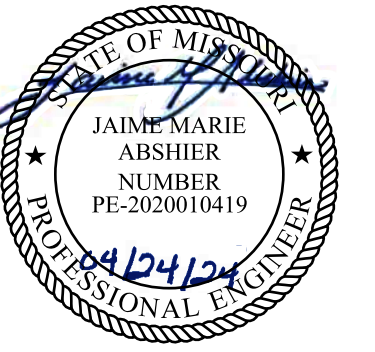
FIRE ALARM SYMBOL LEGEND

SYMBOL	DESCRIPTION
[FACP]	ADDRESSABLE FIRE ALARM CONTROL PANEL
[12V]	12V 7AH BATTERY
[NAC]	INTELLIGENT NOTIFICATION POWER SUPPLY
[ANN]	FIRE ALARM ANNUNCIATOR
[VDU]	VIDEO DISPLAY UNIT WITH LCD MONITOR, KEYBOARD, AND PRINTER
[DBOX]	FIRE ALARM DOCUMENT BOX
[MPS]	MANUAL PULL STATION
[ASD]	ADDRESSABLE SMOKE DETECTOR
[ACMD]	ADDRESSABLE CARBON MONOXIDE DETECTOR
[AHD]	ADDRESSABLE HEAT DETECTOR
[DSM]	DUCT SMOKE DETECTOR
[RT]	REMOTE TEST STATION
[CT]	DUPEL OR SINGLE INPUT MODULE(S)
[CR]	CONTROL MODULE
[J]	FIRE ALARM JUNCTION BOX
[HST]	FIRE ALARM HORN STROBE
[H]	FIRE ALARM STROBE
[H]	FIRE ALARM HORN
[B]	FIRE ALARM WATERFLOW BELL
[S]	FIRE SPRINKLER RISER
[WS]	WATERFLOW SWITCH
[EOL]	END OF LINE RESISTOR
[XFC]	X: NO. OF WIRES, Y: AWG. SIZE

FIRE ALARM ABBREVIATIONS LEGEND

ABBREVIATION	DESCRIPTION
EX	EXISTING DEVICE
BAS	BUILDING AUTOMATION SYSTEM
R	RELOCATION OF EXISTING DEVICE
C	CEILING MOUNTED DEVICE
WG	END OF LINE
PC	PULL STATION COVER
WP	WEATHERPROOF DEVICE
EP	EXPLOSION PROOF DEVICE
dB	DECIBEL (UNIT FOR SOUND PRESSURE)
LF	LOW FREQUENCY
SB	SOUNDER BASE
HT	HIGH TEMPERATURE
AHU	AIR HANDLING UNIT
RTU	ROOF TOP UNIT
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UNO	UNLESS NOTED OTHERWISE
NIC	NOT IN CONTRACT
HVLS	HIGH VOLUME LOW SPEED
HVAC	HIGH VOLTAGE AIR CONDITIONER
AFP	ABOVE FINISHED FLOOR
NAC	NOTIFICATION APPLIANCE CIRCUIT
SLC	SIGNALING LINE CIRCUIT
SBUS	SERIAL BUS
RDP	REMOTE DISPLAY
SPK	SPEAKER CIRCUIT
PWR	AUXILIARY POWER
FBUS	VOICE BUS
FDC	FIRE DEPARTMENT CONNECTION
NTS	NOT TO SCALE
EOL	END OF LINE
UG	UNDERGROUND
VAC	ALTERNATING CURRENT VOLTAGE
VDC	DIRECT CURRENT VOLTAGE
EMT	ELECTRICAL METALLIC TUBING
WG	WIRE GUARD

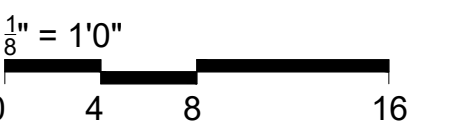
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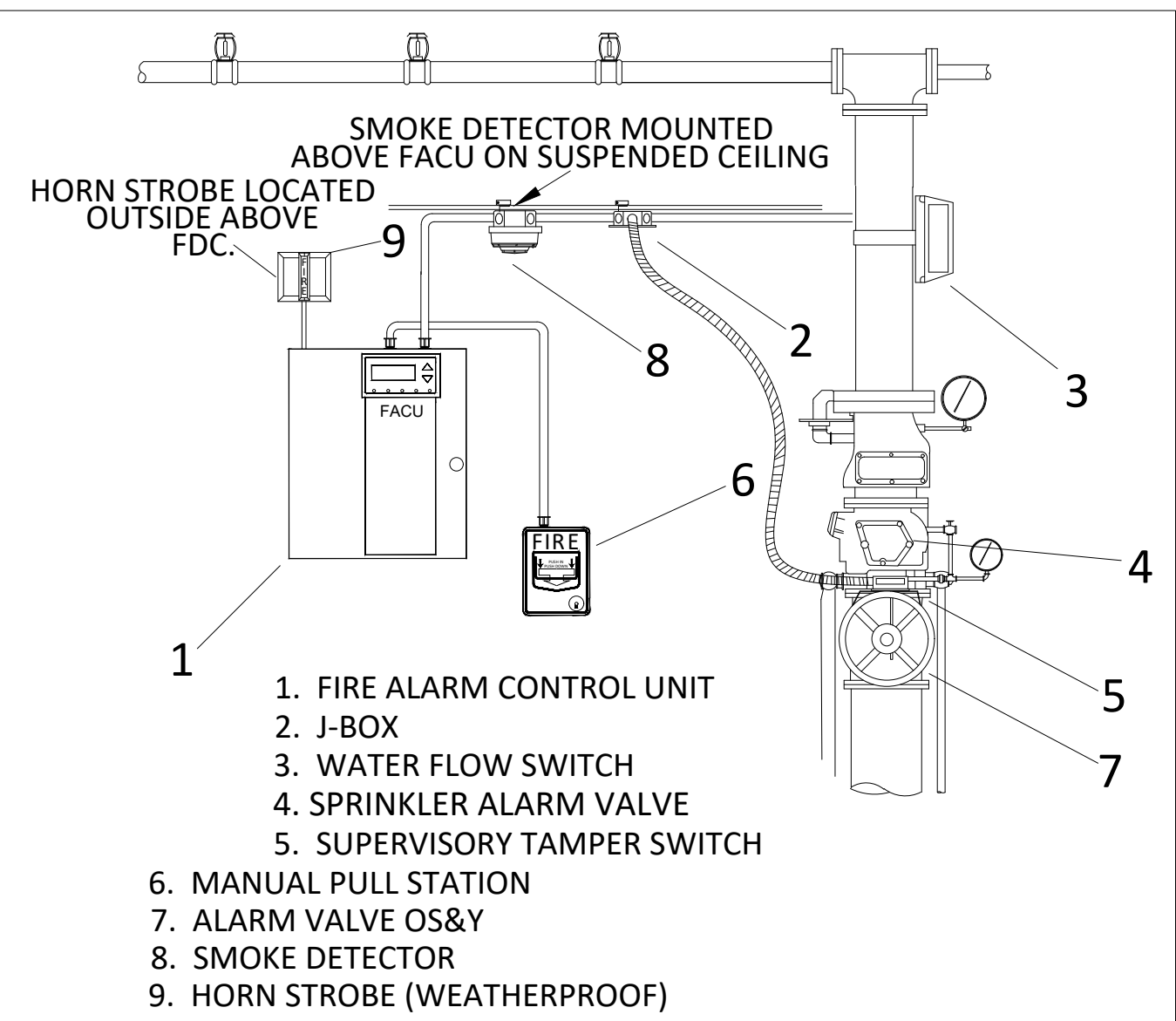
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FIRE ALARM GENERAL  
NOTES,  
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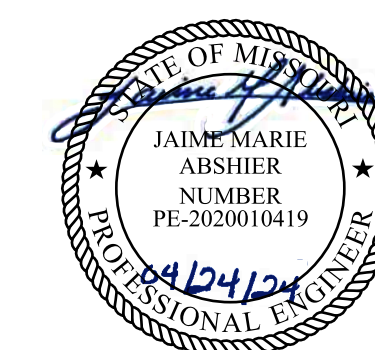
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FA-002

3 OF 31 SHEETS  
04/24/2024

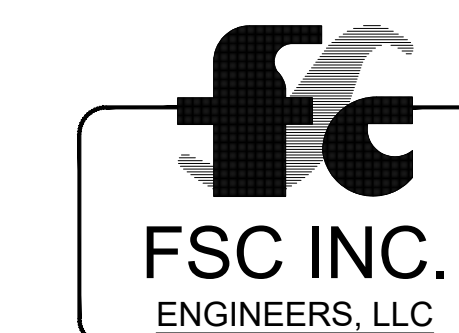
SYSTEM ANNUNCIATION AND RESPONSES TO ALARMS

ALARM CAUSE	GENERAL ALARM CONDITIONS	SYSTEM ANNUNCIATION AND RESPONSES TO ALARMS																NOTES:					
		FIRE ALARM CONTROL UNIT			REMOTE ANNUNCIATOR			NOTIFY MONITORING STATION			PUBLIC VISUALS		PUBLIC AUDIBLES		HVAC		ELEVATOR CONTROL AND EMERGENCY OPERATION						
		ALM	TRB	SUP	RECORD EVENT IN SYSTEM MEMORY	RECORD EVENT IN SYSTEM PRINTER	ALM	TRB	SUP	ALM	TRB	SUP	ON	OFF	ON	OFF	ACTIVATE HVAC SHUT DOWN		CLOSE ASSOCIATED SMOKE DAMPERS	RECALL ELEVATOR TO 1ST FLOOR	RECALL ELEVATOR TO 2ND FLOOR	ACTIVATE FLASHING HAT	ELEVATOR SHUNT TRIP
AREA SMOKE DETECTOR	●			●	●				●			●		●									AS INDICATED ON PLANS
AREA HEAT DETECTOR DETECTOR	●			●	●				●			●		●									AS INDICATED ON PLANS
MANUAL PULL STATION	●			●	●				●			●		●									DUAL ACTION TYPE WITH STOPPER II
DUCT SMOKE DETECTOR (HVAC)	●			●	●				●			●		●		●	●						GLOBAL HVAC SHUTDOWN
DUCT SMOKE DETECTOR (CELL)	●			●	●				●			●		●		●	●						
1ST FLOOR ELEVATOR LOBBY SMOKE	●			●	●				●			●		●					●				PRIMARY RECALL
2ND FLOOR ELEVATOR LOBBY SMOKE	●			●	●				●			●		●					●				ALTERNATE RECALL
ELEVATOR SHAFT/EQUIP ROOM SMOKE	●			●	●				●			●		●						●			FIREMAN'S HAT
ELEVATOR SHAFT/EQUIP ROOM HEAT	●			●	●				●			●		●							●		ELEVATOR SHUNT TRIP - SUPERVISED
SPRINKLER WATERFLOW	●			●	●				●			●		●									SPRINKLER WATERFLOW
SPRINKLER TAMPER SWITCH		●		●	●				●			●		●									SPRINKLER TAMPER SWITCH
KITCHEN HOOD SUPPRESSION SYSTEM	●			●	●				●			●		●									KITCHEN HOOD SUPPRESSION SYSTEM
AC POWER FAILURE		●		●	●				●														AUTOMATIC DOOR RELEASE
SINGLE LINE CIRCUIT (SLC) SINGLE OPEN, GROUND, OR SHORT		●		●	●				●														(SLC) - CLASS B/STYLE 4
INITIATING DEVICE CIRCUIT (HTRI) SINGLE OPEN, GROUND, OR SHORT		●		●	●				●														(IDC) - CLASS B/STYLE B
NOTIFICATION APPLIANCE CIRCUIT (NAC) SINGLE OPEN, GROUND, OR SHORT		●		●	●				●														(NAC) - CLASS B/STYLE Y
COMM. FAULT		●		●	●				●														
LOW BATTERY		●		●	●				●														
SIGNAL SILENCE (AUDIBLES OFF)					●							●		●									
SYSTEM RESET					●							●		●									



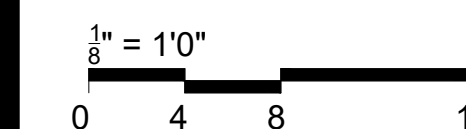


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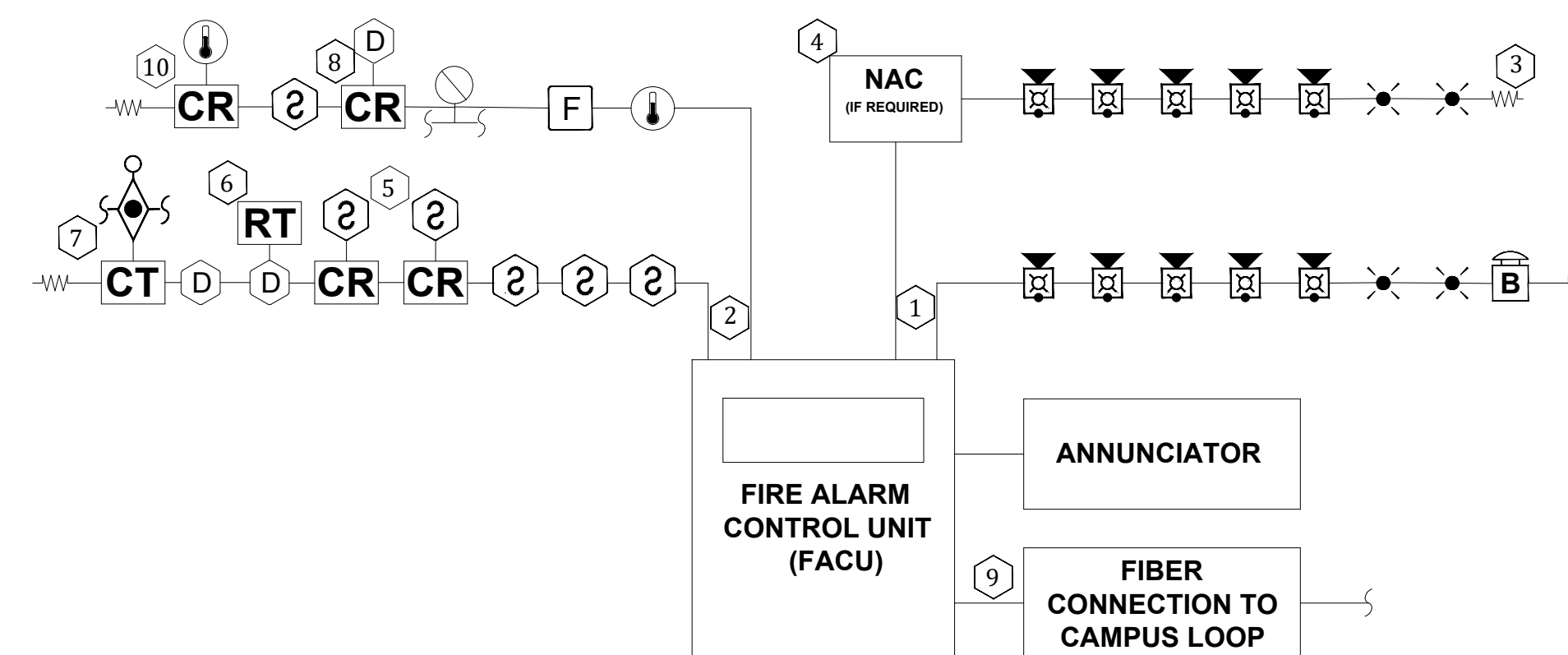
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DESIGNED BY: FSC

SHEET TITLE:  
**FIRE ALARM FIBER  
LOOP AND  
SCHEMATIC RISER**

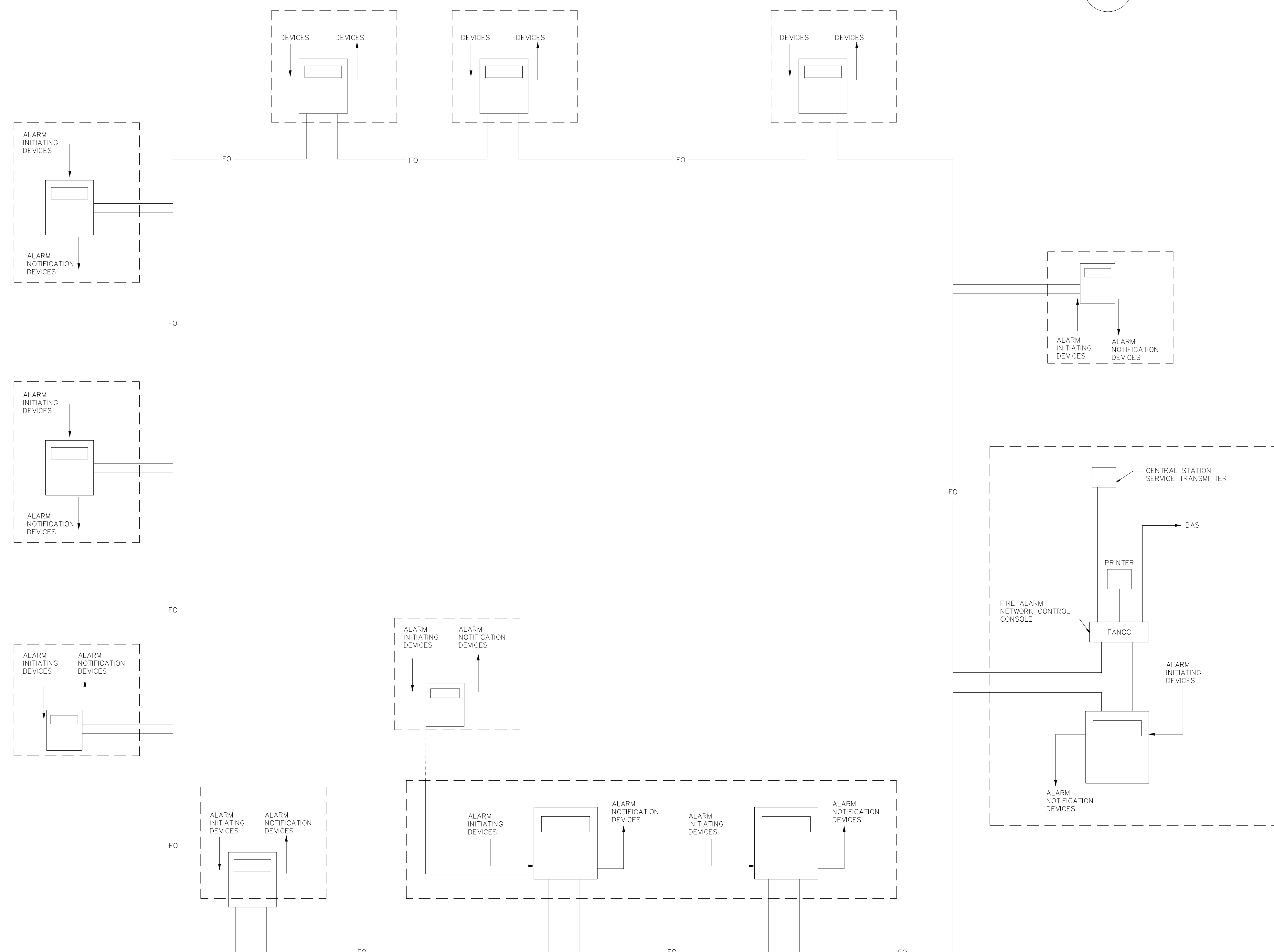
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FA-003

**FIRE ALARM RISER KEYED NOTES**

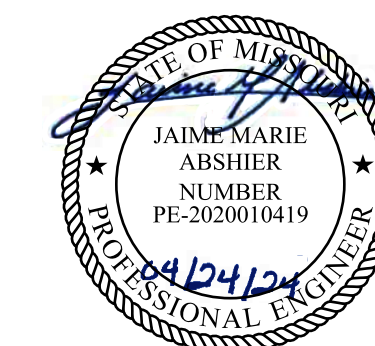
- 1 TYPICAL NAC CIRCUITS.
- 2 TYPICAL INITIATION DEVICE CIRCUITS.
- 3 TYPICAL END OF LINE RESISTOR.
- 4 NOTIFICATION APPLIANCE CIRCUIT EXPANDER PANEL. PROVIDE QUANTITY AS NECESSARY. VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.
- 5 WIRING TO ELEVATOR CONTROL.
- 6 PROVIDE A REMOTE TEST STATION FOR DUCT MOUNTED SMOKE DETECTORS NOT ACCESSIBLE FROM THE FINISHED FLOOR IN A SECURE LOCATION. VERIFY FINAL LOCATION WITH OWNER.
- 7 MONITOR MODULES FOR WATER FLOW SWITCH ON FIRE PROTECTION SYSTEM.
- 8 WIRING TO SMOKE DAMPER CONTROL.
- 9 CONNECT FACU TO FIBER BACKBONE OF CAMPUS NETWORK AT LOCATION PROVIDED WITHIN BUILDING.
- 10 WIRING TO ELEVATOR SHUNT TRIP.



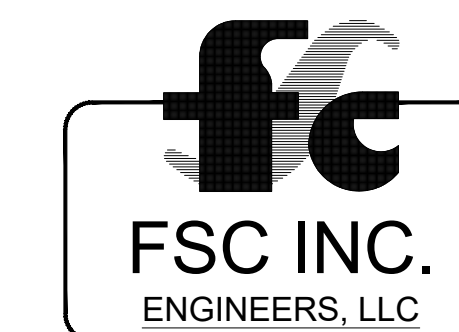
**1 SCHEMATIC RISER DIAGRAM**  
SCALE: NTS



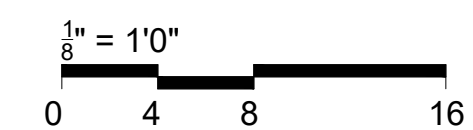
**2 CAMPUS FIBER RISER DIAGRAM**  
SCALE: NTS



PROFESSIONAL SEAL



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OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484



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DESIGN AND  
CONSTRUCTION

Replace Fire Alarm  
System, Infrastructure

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13698 Airport Rd,  
Bowling Green, MO 63334

PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

CAD DWG FILE: FSC  
DRAWN BY: FSC  
CHECKED BY: HDD  
DESIGNED BY: FSC

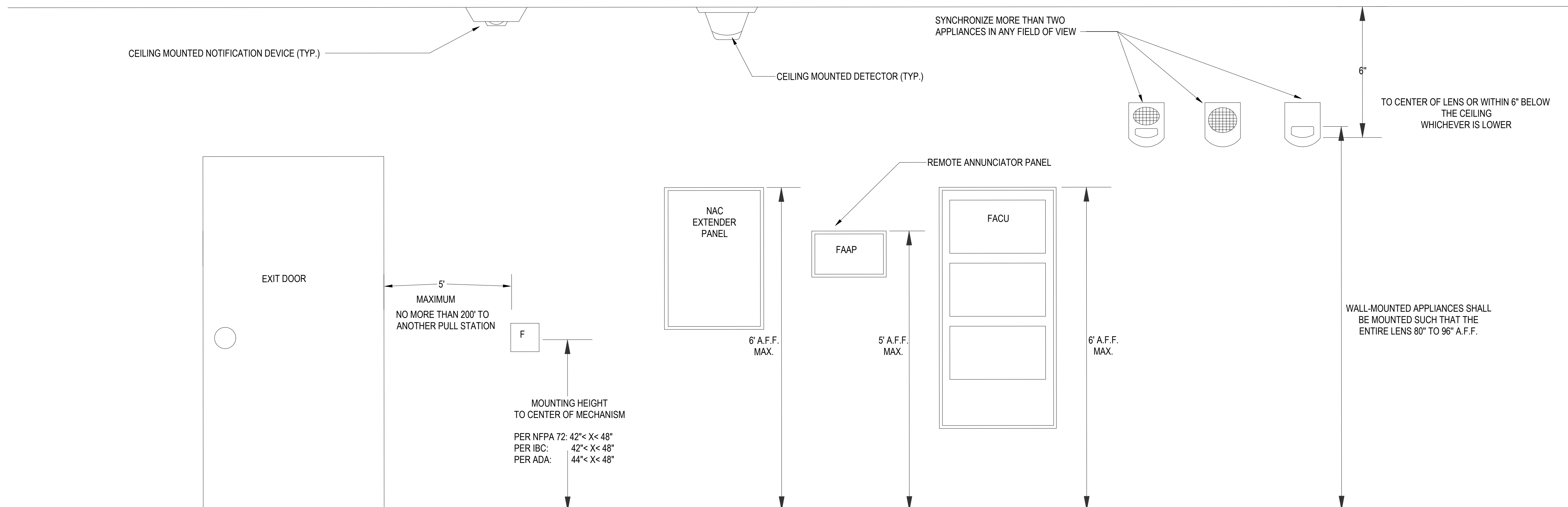
SHEET TITLE:  
**TYPICAL EQUIPMENT  
MOUNTING GUIDELINES**

SHEET NUMBER:  
**FA-004**

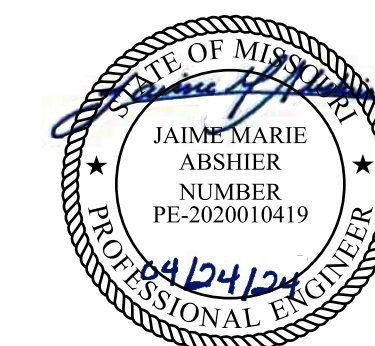
5 OF 31 SHEETS  
04/24/2024

NOTES:

- DO NOT INSTALL ANY EQUIPMENT OUTSIDE UNLESS IT IS LISTED FOR OUTDOOR USE.
- FOR LOW CEILINGS WHERE THE MOUNTING HEIGHTS CAN NOT BE MET MOUNT THE INDICATED APPLIANCE (EX. HORN STROBES) 6" FROM THE CEILING.
- ALL DEVICES AND APPLIANCE HEIGHTS SHOULD BE CONSISTENT FOR THE ENTIRE PROJECT.
- THE FIRE PANEL SHALL HAVE A MINIMUM OF 3 FT CLEARANCE FROM THE FRONT OF THE CONTROL EQUIPMENT AND BE LOCATED IN A CLIMATE CONTROLLED AREA.
- VERIFY ALL DIMENSIONS PROVIDED PER THE APPLICABLE STANDARDS AND SPECIFICATIONS FOR THE PROJECT. INSTALLATION MUST COMPLY WITH LOCAL REQUIREMENTS GOVERNING MINIMUM STANDARDS FOR THIS SYSTEM.



**1** TYPICAL EQUIPMENT MOUNTING GUIDELINES  
SCALE: NTS



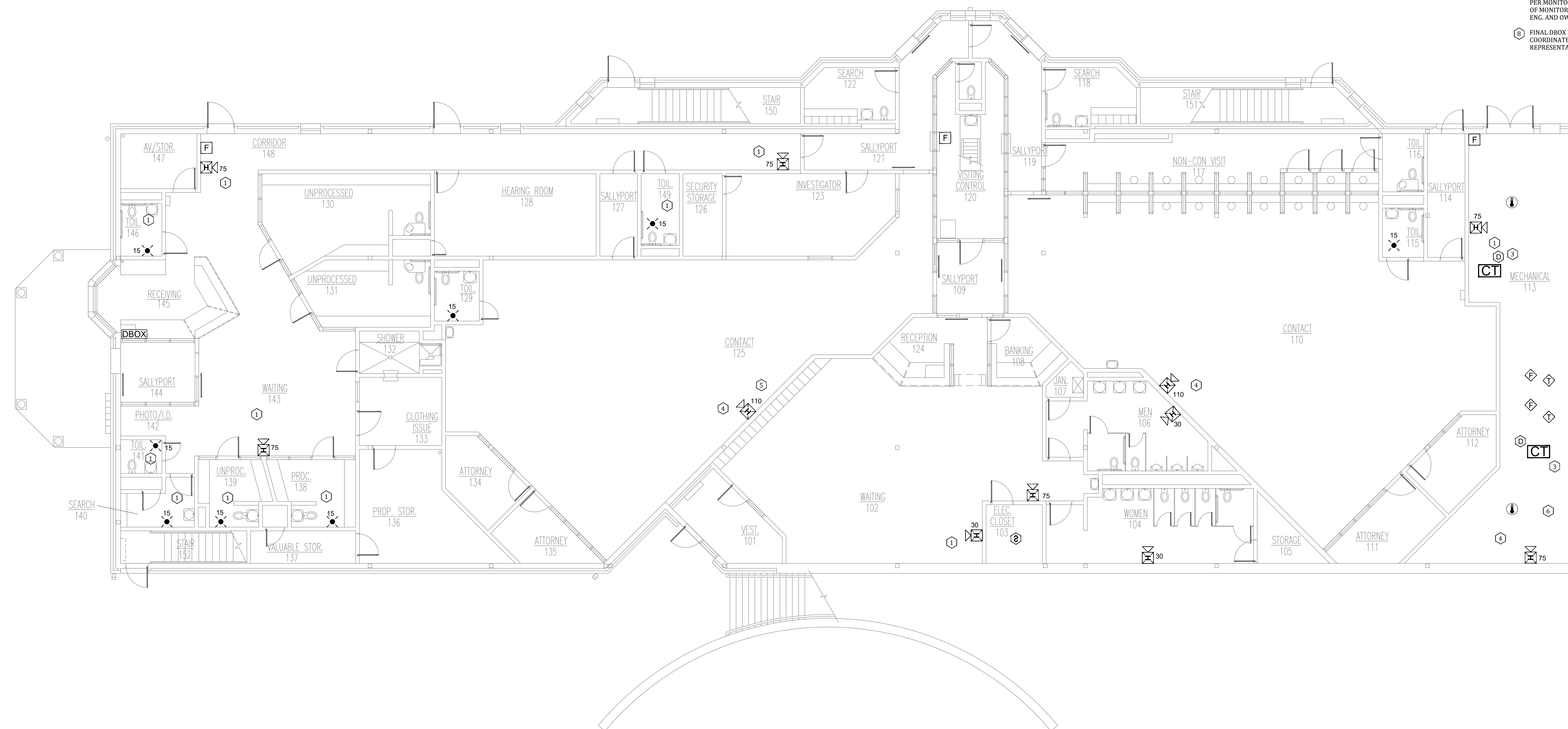
PROFESSIONAL SEAL



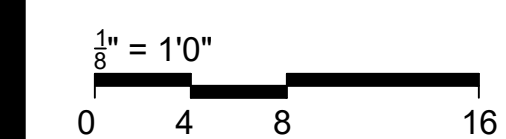
8675 W 96TH STREET  
OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

ADMIN BUILDING PLAN NOTES:

- ① ADDED NOTIFICATION APPLIANCE TO MEET THE REQUIREMENTS OF NFPA 72.
- ② FIRE ALARM CONTROL UNIT: TIE INTO CAMPUS FIBER NETWORK TO REPORT BACK TO ADMIN FACU.
- ③ ADDED CONTROL RELAY MODULE FOR HVAC SHUTDOWN.
- ④ DEVICE REQUIRES CANDELA INCREASE OR RELOCATION.
- ⑤ RELOCATED DEVICE TO MEET COVERAGE REQUIREMENTS OF NFPA 72.
- ⑥ FIBER LOOP BUILDING ENTRANCE.
- ⑦ CONTRACTOR TO COORDINATE ON SITE FOR VDU/ MONITOR MOUNTING AND AS PER MONITOR MOUNTING DETAILS. SIZE OF MONITOR SHALL BE APPROVED BY FSC. ENG. AND OWNER REPRESENTATIVE.
- ⑧ FINAL DBOX LOCATION TO BE COORDINATED WITH THE OWNER REPRESENTATIVE.



NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

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REVISION: \_\_\_\_\_  
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ISSUE DATE: 04/24/2024

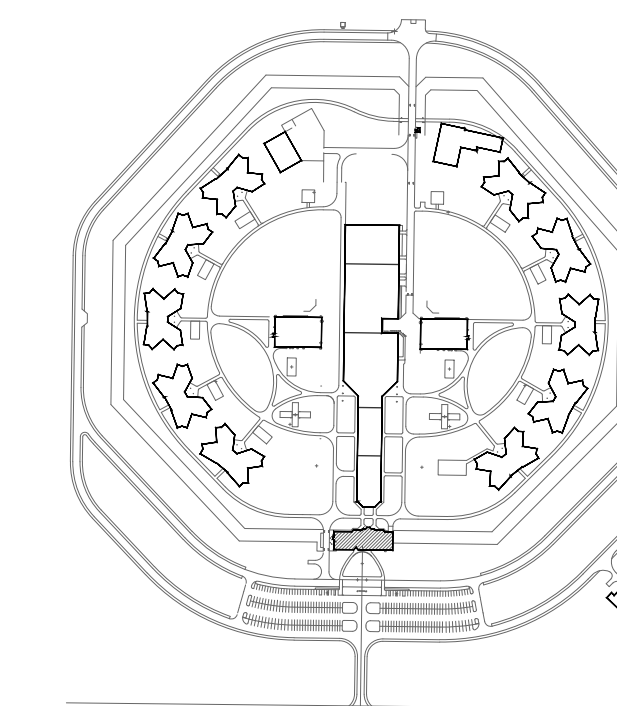
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DRAWN BY: FSC  
CHECKED BY: HDD  
DESIGNED BY: FSC

SHEET TITLE:  
ADMINISTRATION  
BUILDING - FIRST  
FLOOR FIRE ALARM  
PLAN

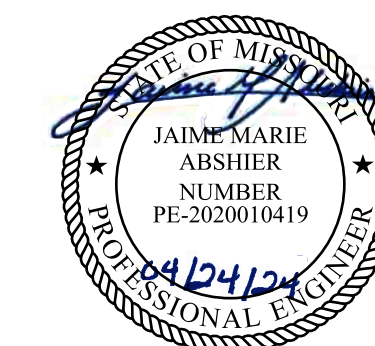
SHEET NUMBER:  
FA-100

6 OF 31 SHEETS  
04/24/2024

**1** ADMINISTRATION BUILDING - FIRST FLOOR FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"



KEY PLAN

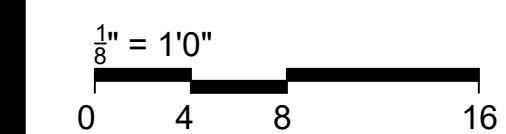


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FAX: 913.722.3484

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

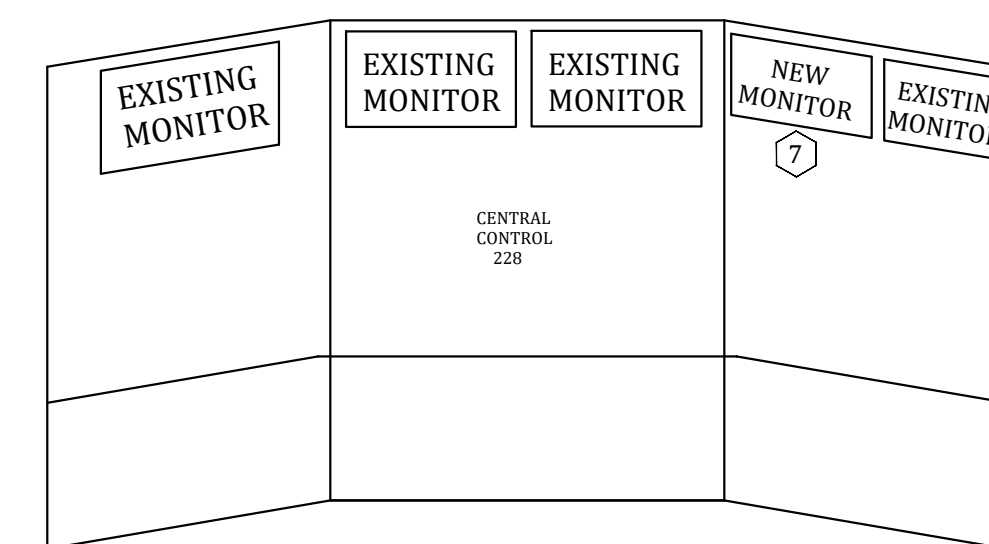
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DESIGNED BY: FSC

SHEET TITLE:  
ADMINISTRATION  
BUILDING -  
SECOND FLOOR  
FIRE ALARM PLAN

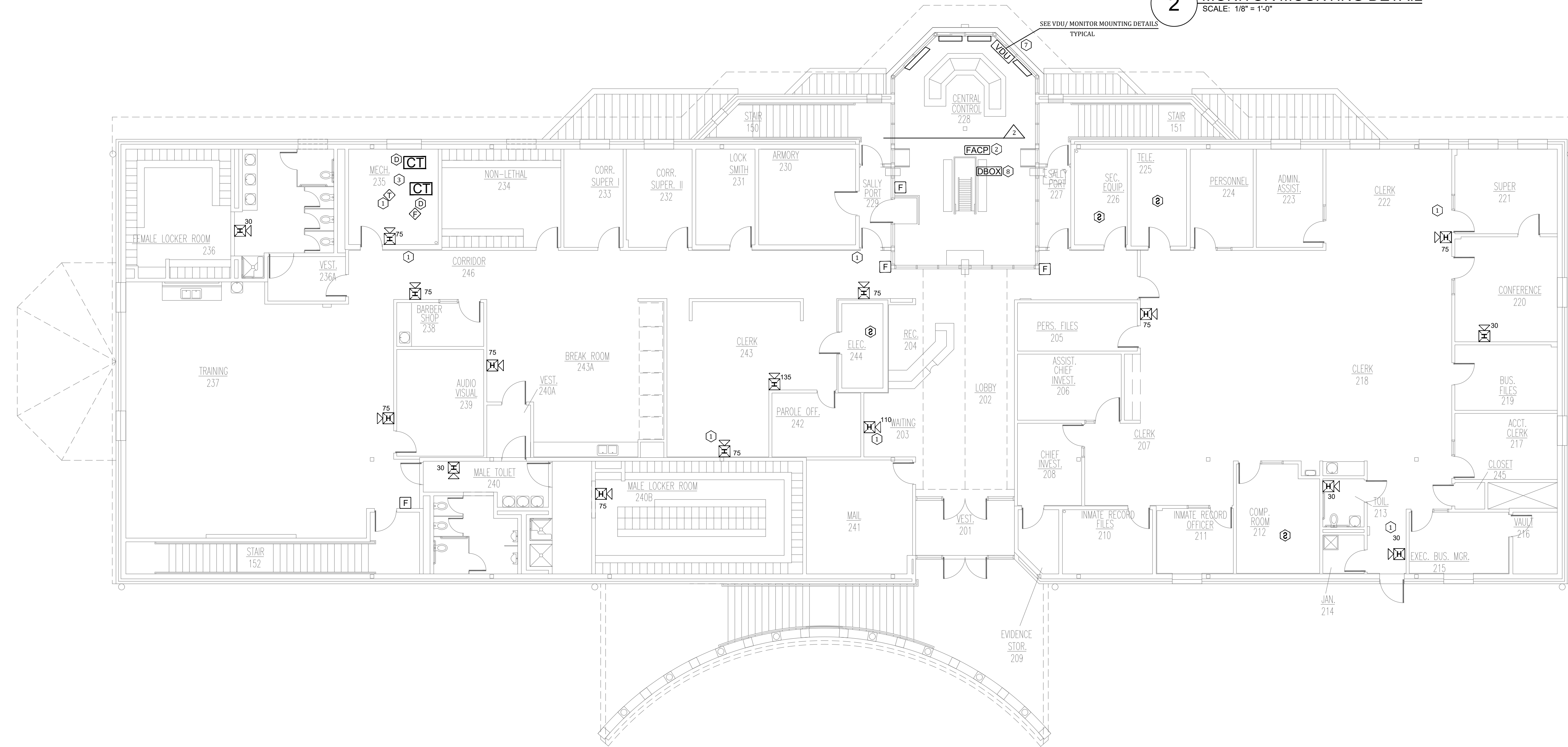
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FA-101

7 OF 31 SHEETS  
04/24/2024

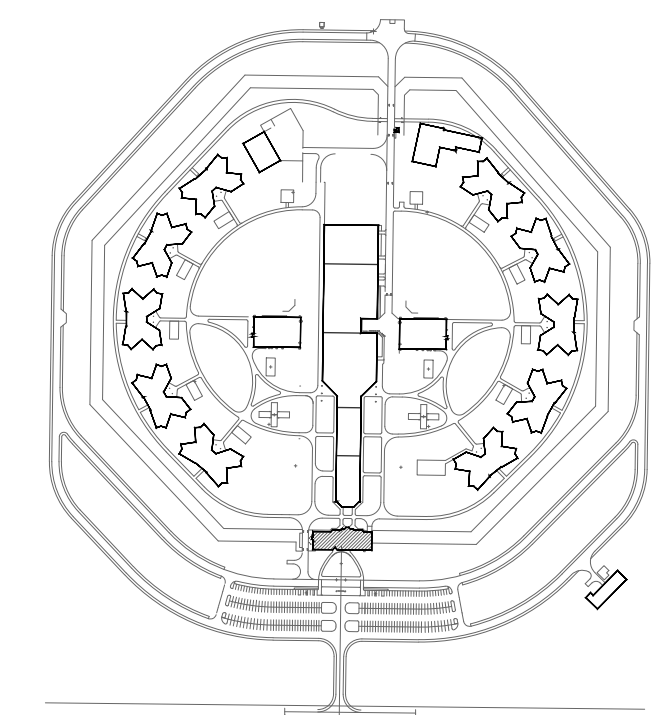
- ADMIN BUILDING PLAN NOTES:
- ① ADDED NOTIFICATION APPLIANCE TO MEET THE REQUIREMENTS OF NFPA 72.
  - ② FIRE ALARM CONTROL UNIT: TIE INTO CAMPUS FIBER NETWORK TO REPORT BACK TO ADMIN FACU.
  - ③ ADDED CONTROL RELAY MODULE FOR HVAC SHUTDOWN.
  - ④ DEVICE REQUIRES CANDELA INCREASE OR RELOCATION.
  - ⑤ RELOCATED DEVICE TO MEET COVERAGE REQUIREMENTS OF NFPA 72.
  - ⑥ FIBER LOOP BUILDING ENTRANCE.
  - ⑦ CONTRACTOR TO COORDINATE ON SITE FOR VDU/ MONITOR MOUNTING AND AS PER MONITOR MOUNTING DETAILS. SIZE OF MONITOR SHALL BE APPROVE BY FSC. ENG. AND OWNER REPRESENTATIVE.
  - ⑧ FINAL DBOX LOCATION TO BE COORDINATED WITH THE OWNER REPRESENTATIVE.



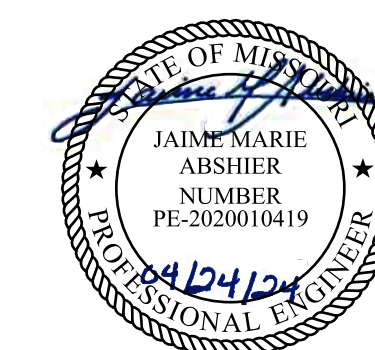
2 MONITOR MOUNTING DETAIL  
SCALE: 1/8" = 1'-0"



1 ADMINISTRATION BUILDING -SECOND FLOOR FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"



KEY PLAN



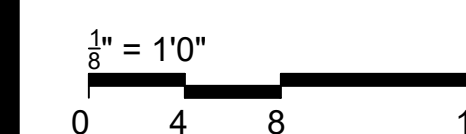
PROFESSIONAL SEAL



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OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

- SERVICES BUILDING PLAN NOTES:
- ADDED NOTIFICATION APPLIANCE TO MEET THE REQUIREMENTS OF NFPA 72.
  - FIRE ALARM CONTROL UNIT. TIE INTO CAMPUS FIBER NETWORK TO REPORT BACK TO ADMIN FACIL.
  - ADDED CONTROL RELAY MODULE FOR HVAC SHUTDOWN.
  - DEVICE REQUIRES RELOCATION AND / OR CANDELA (CD) INCREASE TO MEET COVERAGE REQUIREMENTS OF NFPA 72. LOCATE DEVICE AS SHOWN AND ADJUST CANDELA AS NECESSARY.
  - FIBER LOOP BUILDING ENTRANCE.
  - PRE-ENGINEERED UL 300 KITCHEN HOOD SUPPRESSION SYSTEM, BASIS OF DESIGN CAPTIVE/ARE CORE FIRE PROTECTION SYSTEM. KITCHEN HOOD SUPPRESSION SYSTEM SHALL BE MONITORED BY THE FIRE ALARM SYSTEM. REPRESENTATIVE FROM HOOD SUPPRESSION MANUFACTURER SHALL BE PRESENT AT SYSTEM TESTING AND PROVIDE TRAINING TO STATE OF MISSOURI STAFF.

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

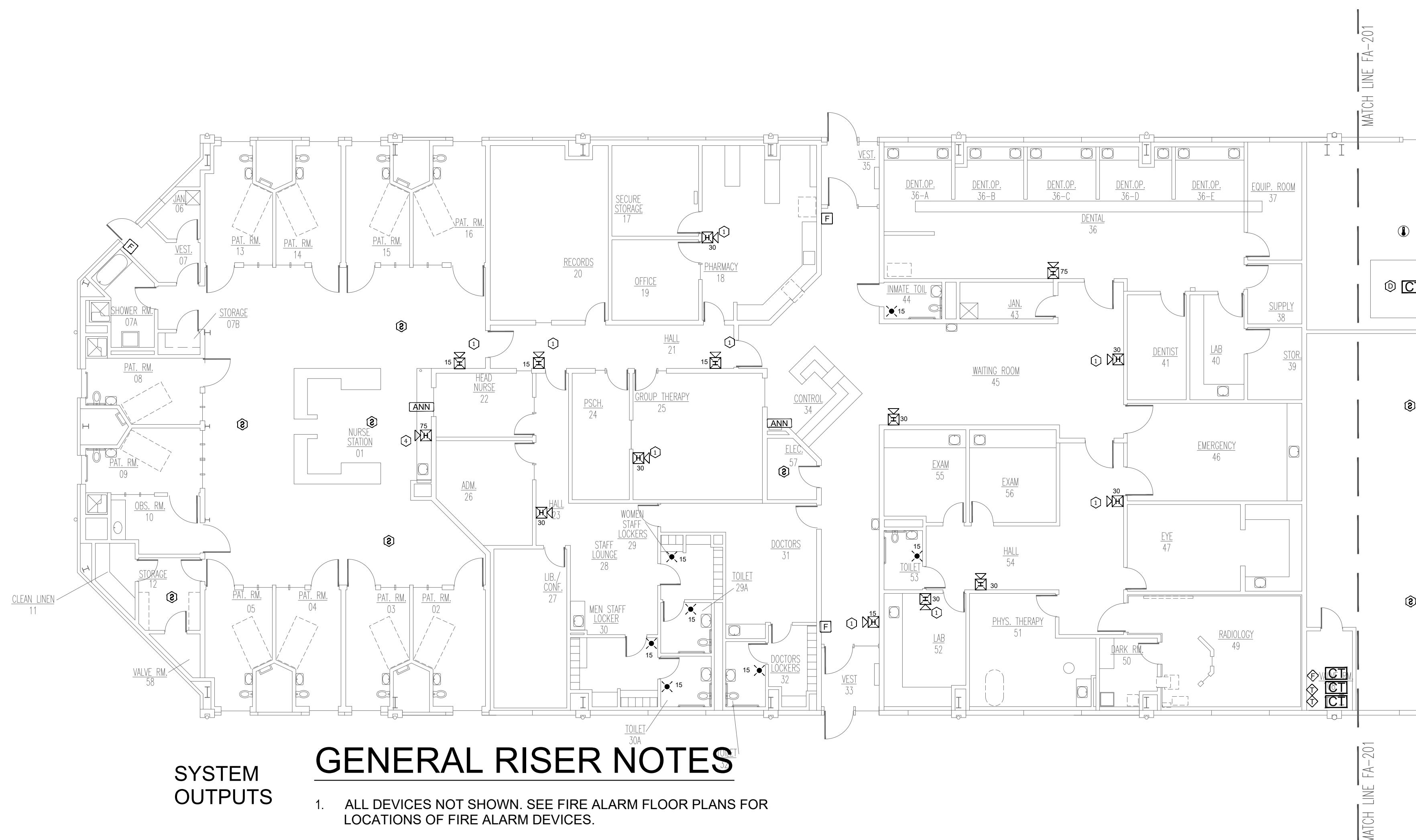
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

CAD DWG FILE: FSC  
DRAWN BY: FSC  
CHECKED BY: HDD  
DESIGNED BY: FSC

SHEET TITLE:  
SERVICES BUILDING  
- HEALTH - FIRE  
ALARM PLAN

SHEET NUMBER:  
FA-200

8 OF 31 SHEETS  
04/24/2024

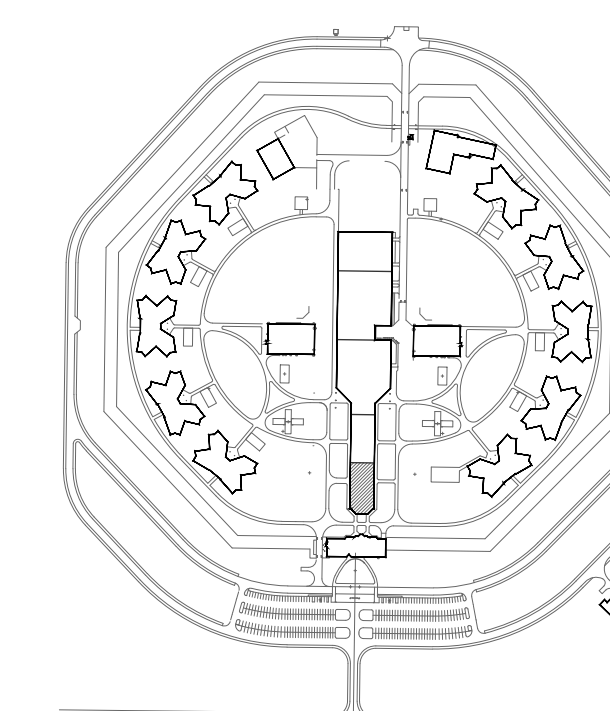


SYSTEM  
OUTPUTS

### GENERAL RISER NOTES

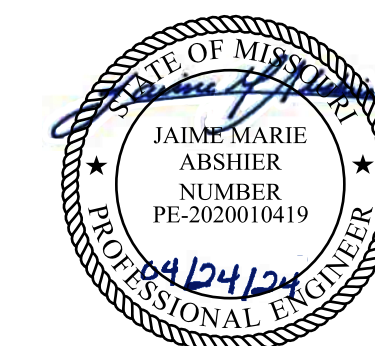
- ALL DEVICES NOT SHOWN. SEE FIRE ALARM FLOOR PLANS FOR LOCATIONS OF FIRE ALARM DEVICES.

1 SERVICES BUILDING - HEALTH - FIRE ALARM PLAN  
SCALE: 3/32" = 1'-0"



KEY PLAN





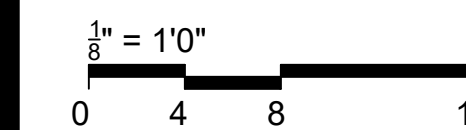
PROFESSIONAL SEAL



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FAX: 913.722.3484

- SERVICES BUILDING PLAN NOTES:
- ① ADDED NOTIFICATION APPLIANCE TO MEET THE REQUIREMENTS OF NFPA 72.
  - ② FIRE ALARM CONTROL UNIT. TIE INTO CAMPUS FIBER NETWORK TO REPORT BACK TO ADMIN FACIL.
  - ③ ADDED CONTROL RELAY MODULE FOR HVAC SHUTDOWN.
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NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

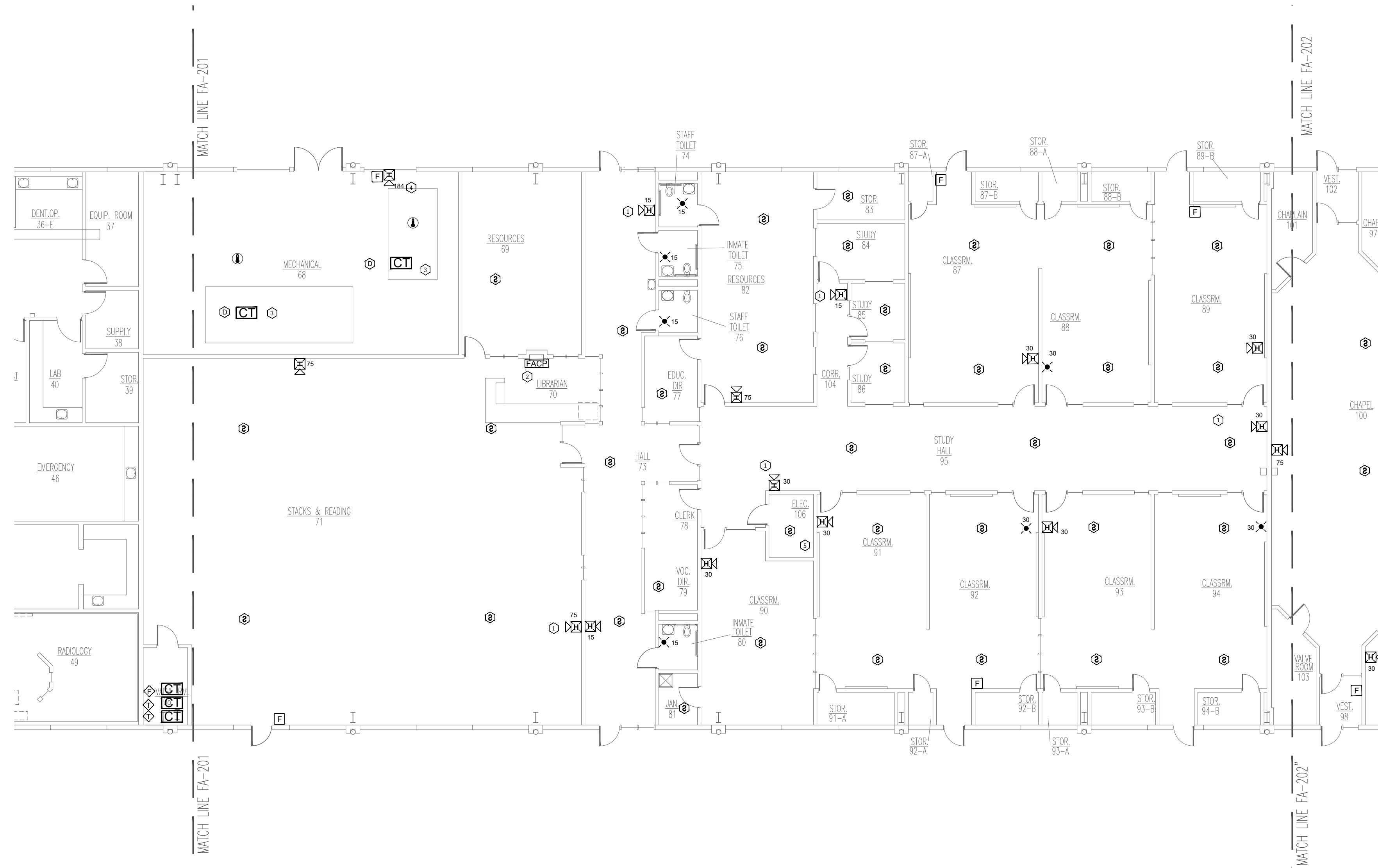
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REVISION: \_\_\_\_\_  
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CHECKED BY: HDD  
DESIGNED BY: FSC

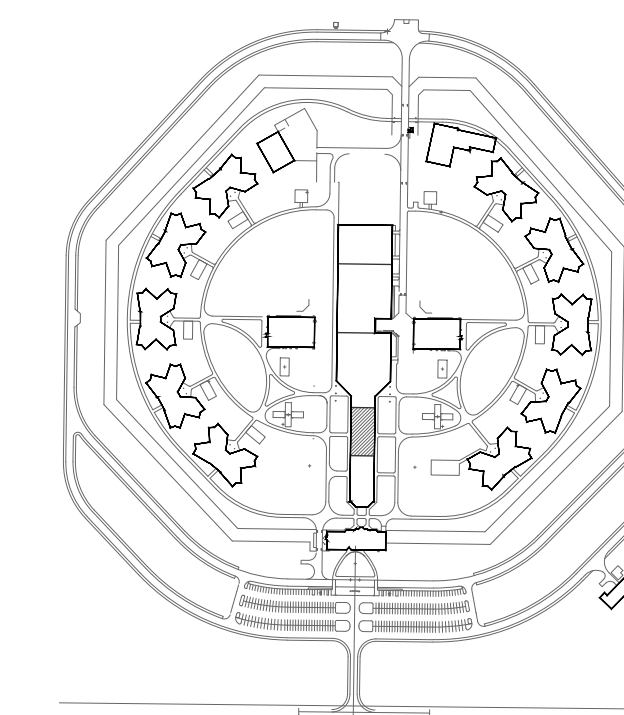
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**SERVICES BUILDING  
- EDUCATIONAL -  
FIRE ALARM PLAN**

SHEET NUMBER:  
**FA-201**

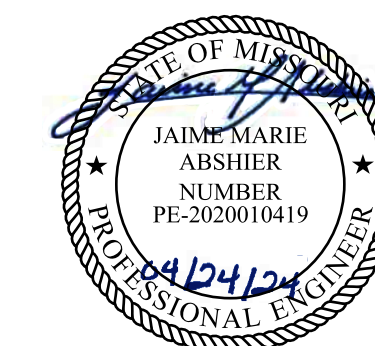
9 OF 31 SHEETS  
04/24/2024



**1 SERVICES BUILDING - EDUCATIONAL - FIRE ALARM PLAN**  
SCALE: 3/32" = 1'-0"



KEY PLAN

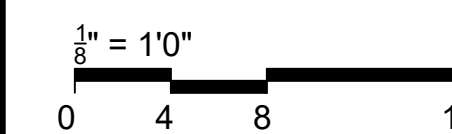


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FAX: 913.722.3484

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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FACILITY # 9327017049

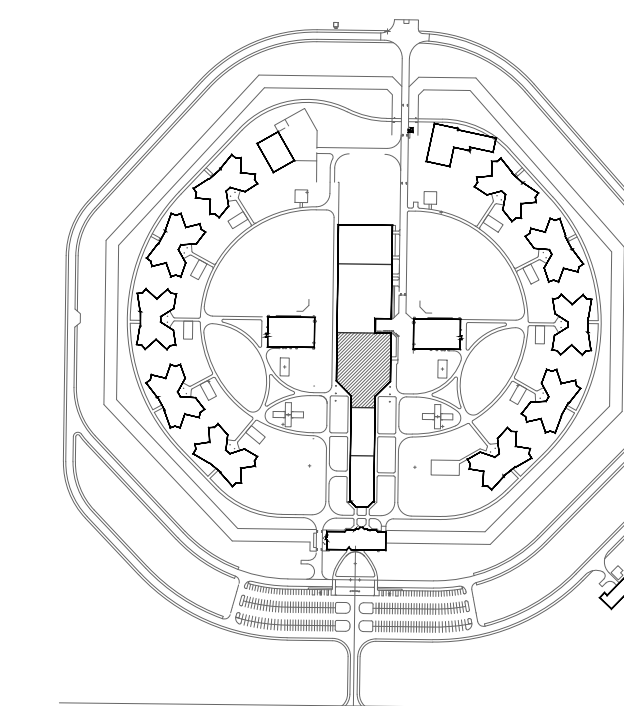
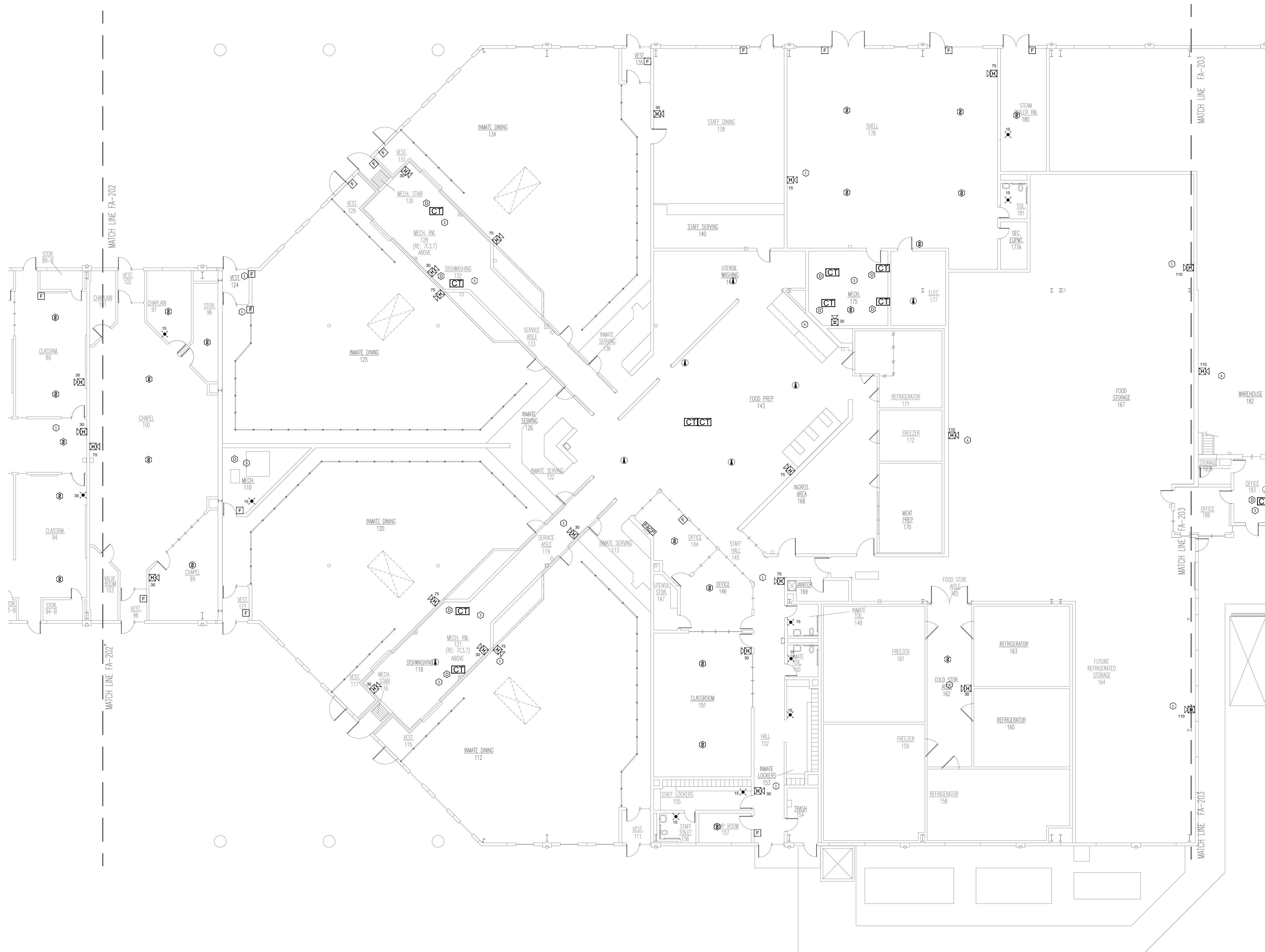
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DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

CAD DWG FILE: FSC  
DRAWN BY: FSC  
CHECKED BY: HDD  
DESIGNED BY: FSC

SHEET TITLE:  
**SERVICES BUILDING  
- FOOD - FIRE  
ALARM PLAN**

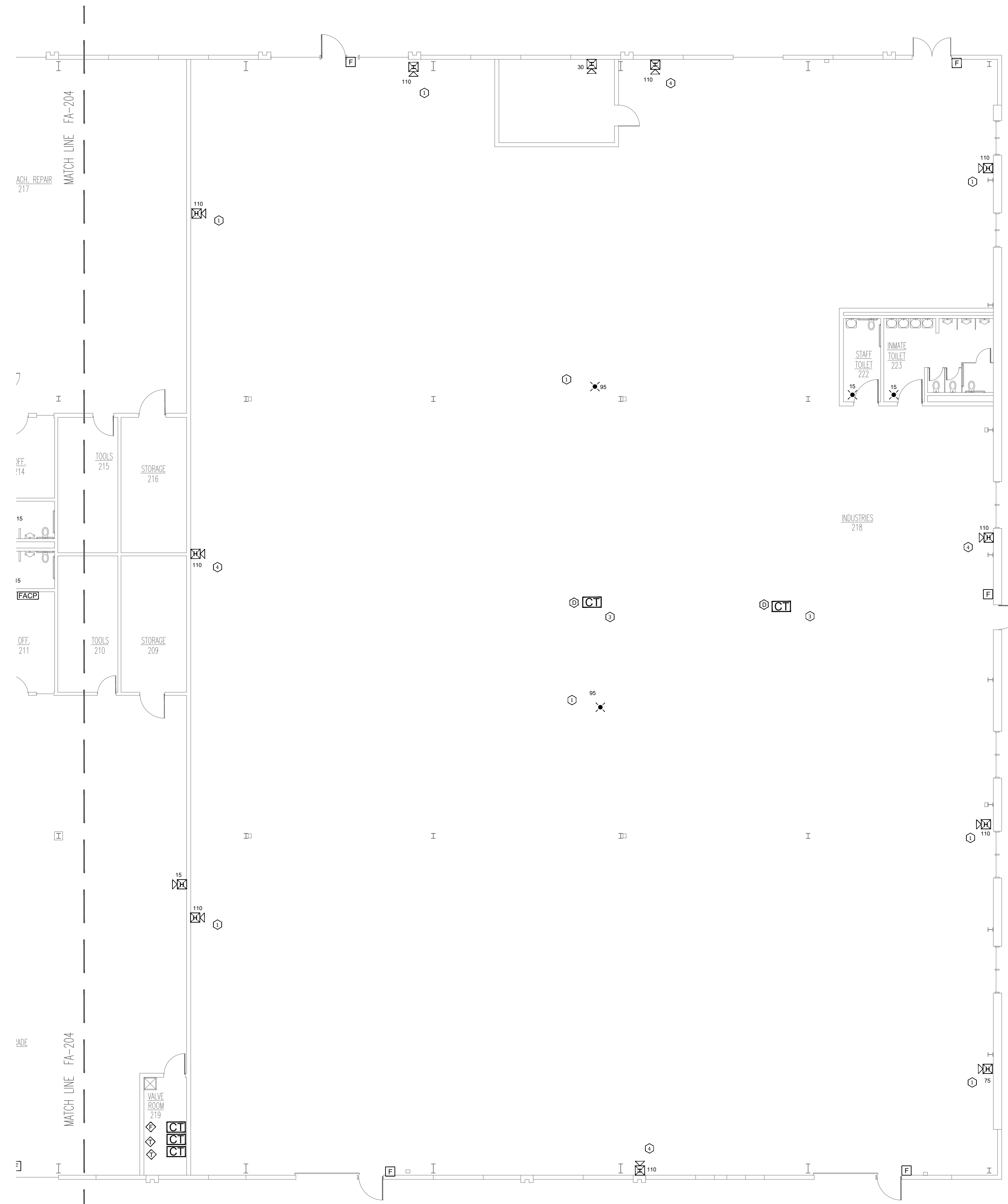
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10 OF 31 SHEETS  
04/24/2024



**1 SERVICES BUILDING - FOOD - FIRE ALARM PLAN**  
SCALE: 3/32" = 1'-0"



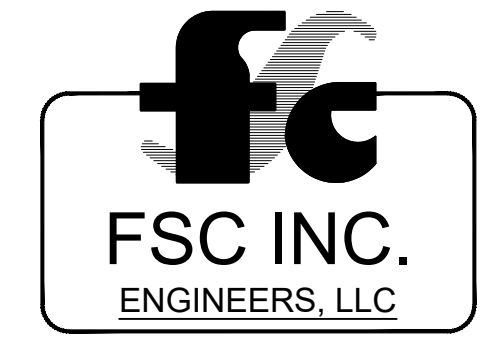


**1 SERVICES BUILDING - INDUSTRIAL - FIRE ALARM PLAN**  
SCALE: 3/32" = 1'-0"

- SERVICES BUILDING PLAN NOTES:
- ① ADDED NOTIFICATION APPLIANCE TO MEET THE REQUIREMENTS OF NFPA 72.
  - ② FIRE ALARM CONTROL UNIT. TIE INTO CAMPUS FIBER NETWORK TO REPORT BACK TO ADMIN FACIL.
  - ③ ADDED CONTROL RELAY MODULE FOR HVAC SHUTDOWN.
  - ④ DEVICE REQUIRES RELOCATION AND / OR CANDELA (CD) INCREASE TO MEET COVERAGE REQUIREMENTS OF NFPA 72. LOCATE DEVICE AS SHOWN AND ADJUST CANDELA AS NECESSARY.
  - ⑤ FIBER LOOP BUILDING ENTRANCE
  - ⑥ PRE-ENGINEERED UL 300 KITCHEN HOOD SUPPRESSION SYSTEM, BASIS OF DESIGN CAPTIVE/ARE CORE FIRE PROTECTION SYSTEM. KITCHEN HOOD SUPPRESSION SYSTEM SHALL BE MONITORED BY THE FIRE ALARM SYSTEM. REPRESENTATIVE FROM HOOD SUPPRESSION MANUFACTURER SHALL BE PRESENT AT SYSTEM TESTING AND PROVIDE TRAINING TO STATE OF MISSOURI STAFF.

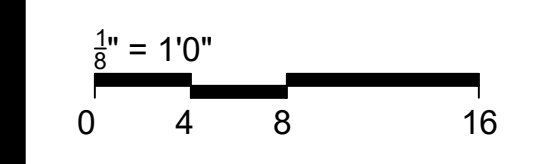


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**FSC INC.**  
ENGINEERS, LLC  
8675 W 96TH STREET  
OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

**NOTES:**  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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SITE # 7017  
FACILITY # 9327017049

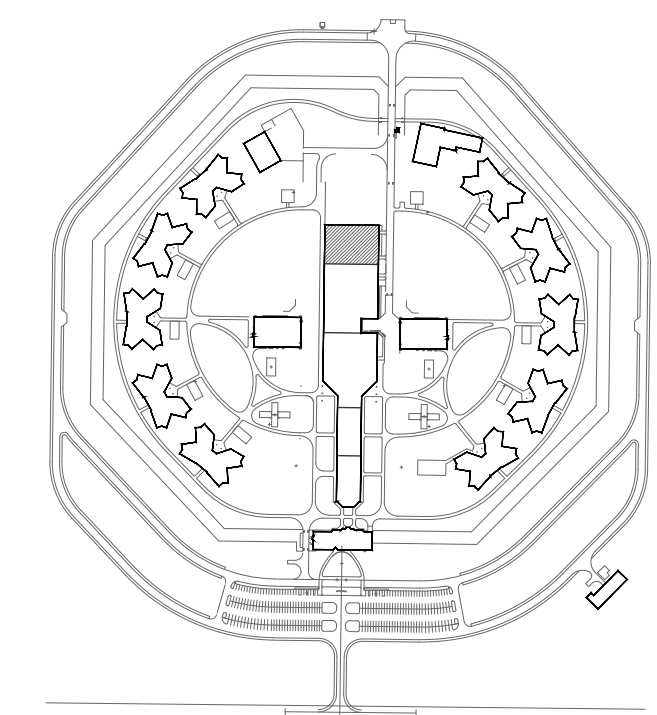
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DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

CAD DWG FILE: FSC  
DRAWN BY: FSC  
CHECKED BY: HDD  
DESIGNED BY: FSC

SHEET TITLE:  
**SERVICES BUILDING  
- INDUSTRIAL -  
FIRE ALARM PLAN**

SHEET NUMBER:  
**FA-204**

12 OF 31 SHEETS  
04/24/2024



KEY PLAN

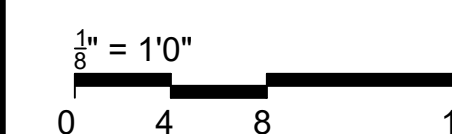


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FAX: 913.722.3484

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DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

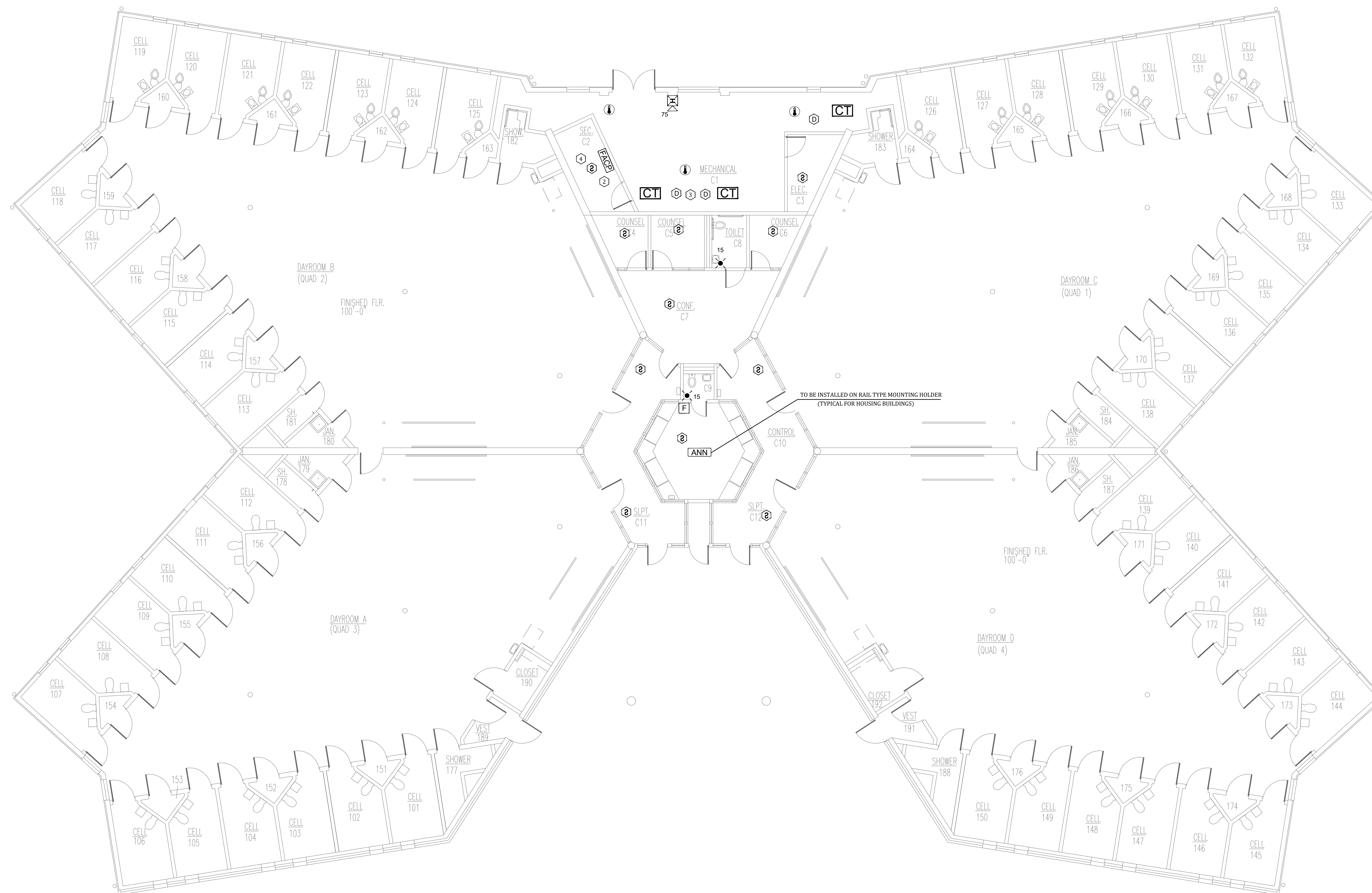
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DESIGNED BY: FSC

SHEET TITLE:  
HOUSING 1-10 -  
FIRST FLOOR FIRE  
ALARM PLAN

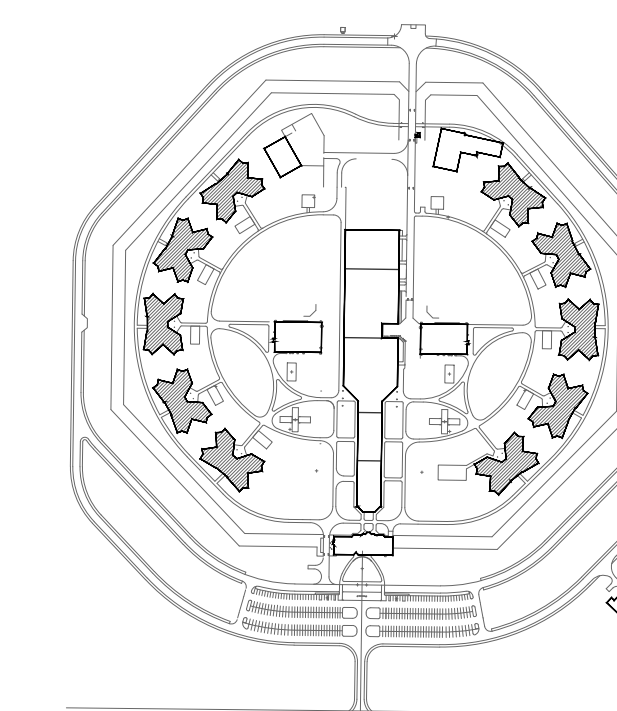
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FA-300

13 OF 31 SHEETS  
04/24/2024

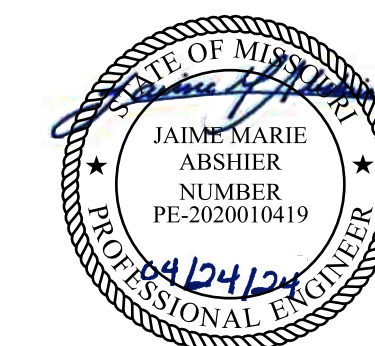
- HOUSING BUILDING PLAN NOTES:
- 1 ADDED NOTIFICATION APPLIANCE TO MEET THE REQUIREMENTS OF NFPA 72.
  - 2 FIRE ALARM CONTROL UNIT. TIE INTO CAMPUS FIBER NETWORK TO REPORT BACK TO ADMIN FACU.
  - 3 ADDED CONTROL RELAY MODULE FOR HVAC SHUTDOWN.
  - 4 FIBER LOOP BUILDING ENTRANCE.



1 HOUSING 1-6 - FIRST FLOOR FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"



KEY PLAN

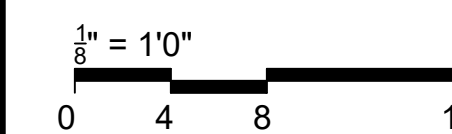


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NOTES:  
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System, Infrastructure

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13698 Airport Rd,  
Bowling Green, MO 63334

PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

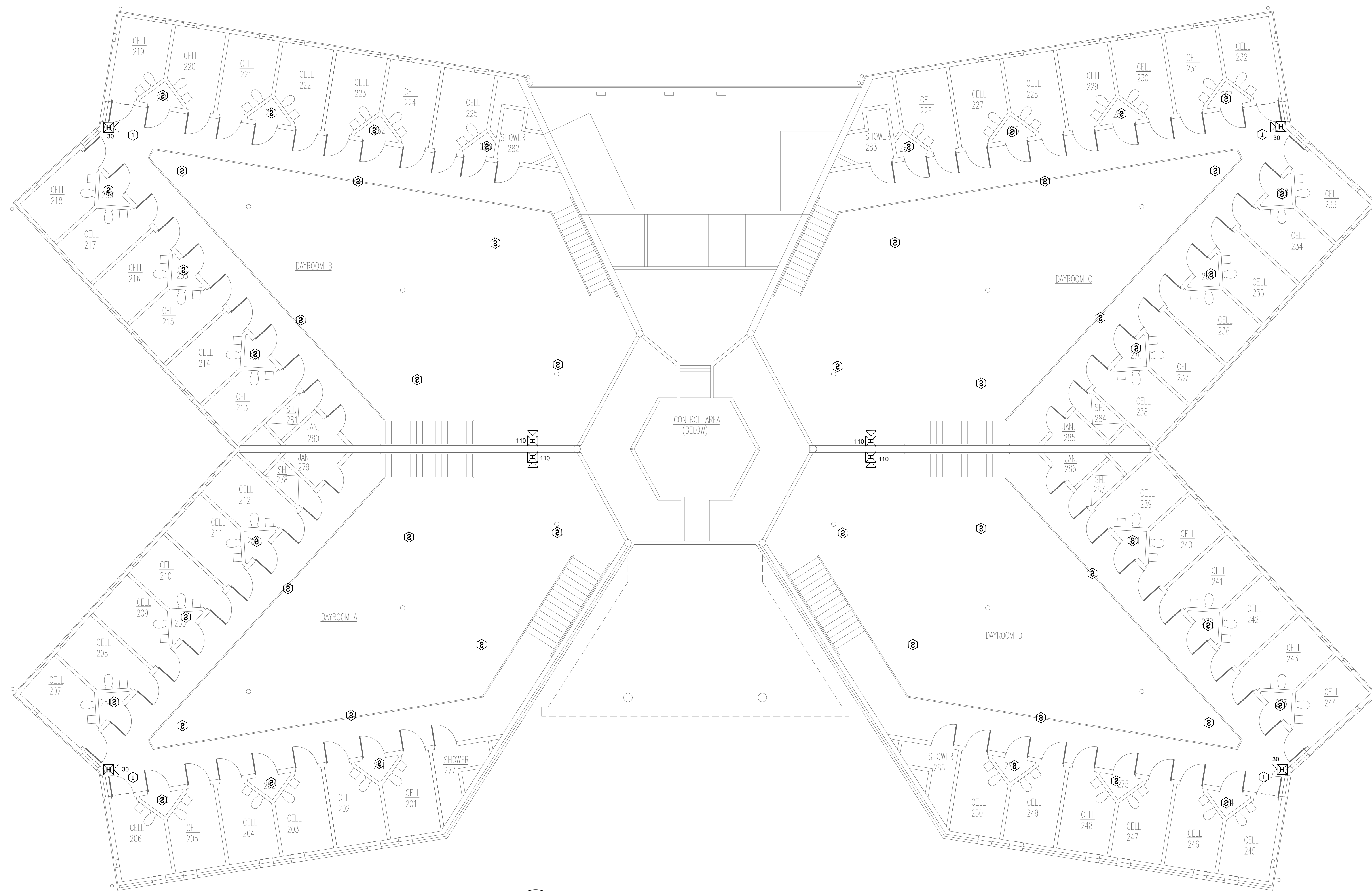
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SHEET TITLE:  
HOUSING 1-10  
SECOND FLOOR  
FIRE ALARM PLAN

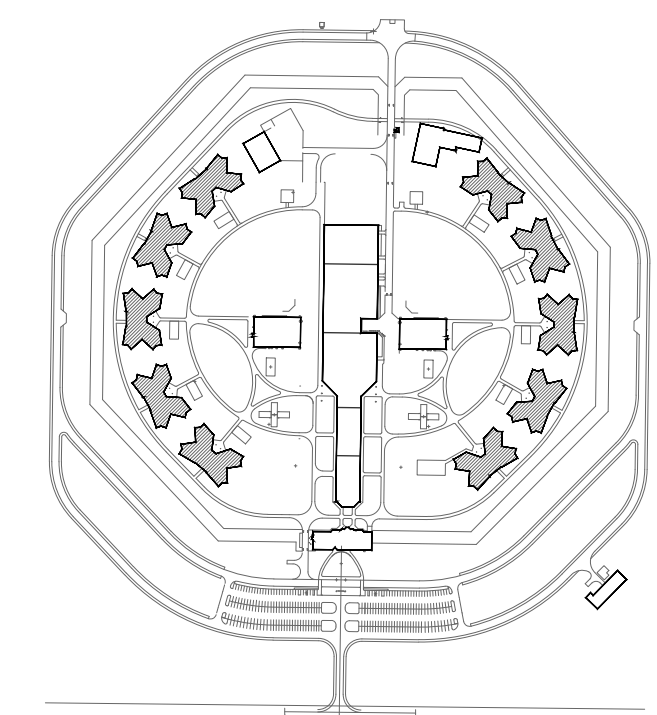
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FA-301

14 OF 31 SHEETS  
04/24/2024

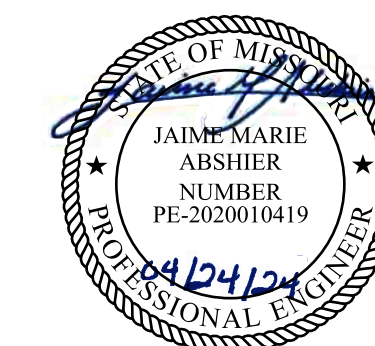
- HOUSING BUILDING PLAN NOTES:
- ① ADDED NOTIFICATION APPLIANCE TO MEET THE REQUIREMENTS OF NFPA 72.
  - ② FIRE ALARM CONTROL UNIT. TIE INTO CAMPUS FIBER NETWORK TO REPORT BACK TO ADMIN FACU.
  - ③ ADDED CONTROL RELAY MODULE FOR HVAC SHUTDOWN.
  - ④ FIBER LOOP BUILDING ENTRANCE.



**1 HOUSING 1-6 - SECOND FLOOR FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"



KEY PLAN

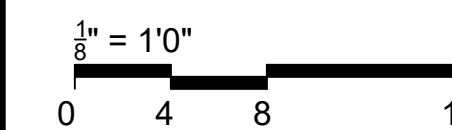


PROFESSIONAL SEAL



8675 W 96TH STREET  
OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



OFFICE OF  
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MANAGEMENT,  
DESIGN AND  
CONSTRUCTION

Replace Fire Alarm  
System, Infrastructure

Northeast Correctional center  
13698 Airport Rd,  
Bowling Green, MO 63334

PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

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SHEET TITLE:  
**RECREATION  
BUILDING - FIRE  
ALARM PLAN**

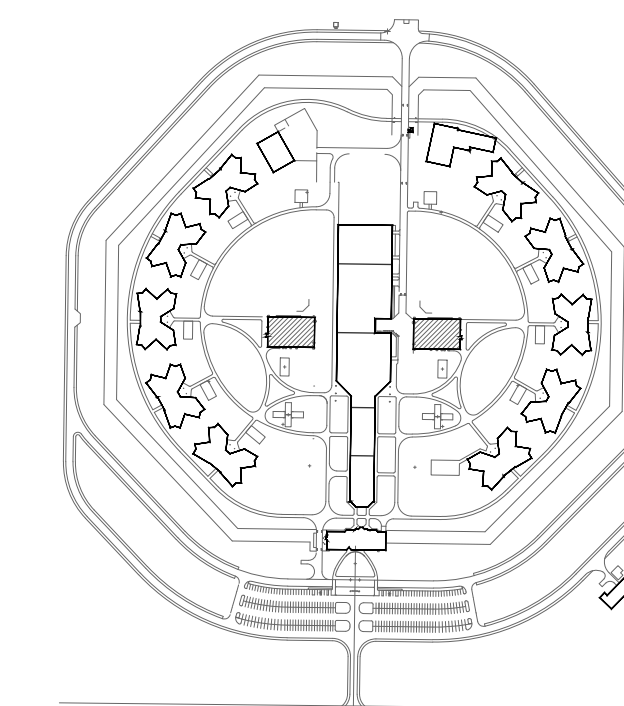
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**FA-400**

15 OF 31 SHEETS  
04/24/2024

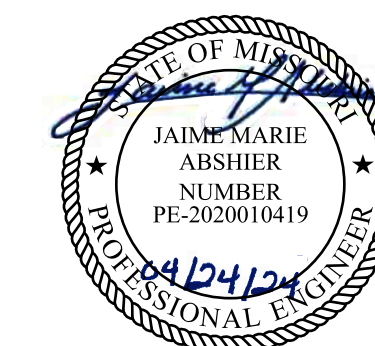
- RECREATION BUILDING PLAN NOTES:
- ① ADDED NOTIFICATION APPLIANCE TO MEET THE REQUIREMENTS OF NFPA 72.
  - ② FIRE ALARM CONTROL UNIT. TIE INTO CAMPUS FIBER NETWORK TO REPORT BACK TO ADMIN FACU.
  - ③ ADDED CONTROL RELAY MODULE FOR HVAC SHUTDOWN.
  - ④ FIBER LOOP BUILDING ENTRANCE.



**1 RECREATION BUILDING - FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"



KEY PLAN

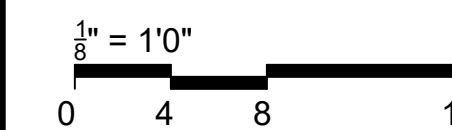


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PROJECT # C2314-01  
SITE # 7017  
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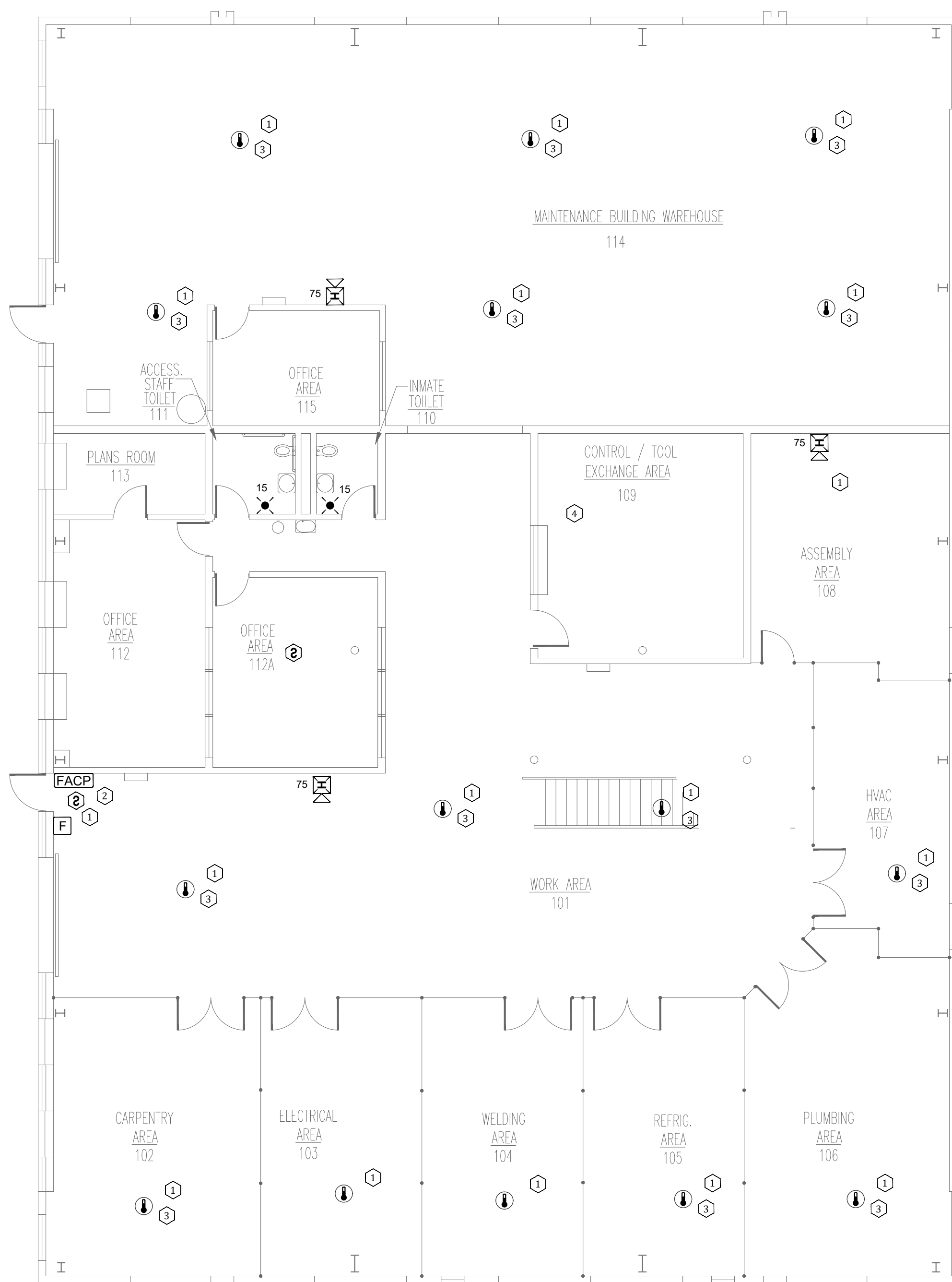
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ISSUE DATE: 04/24/2024

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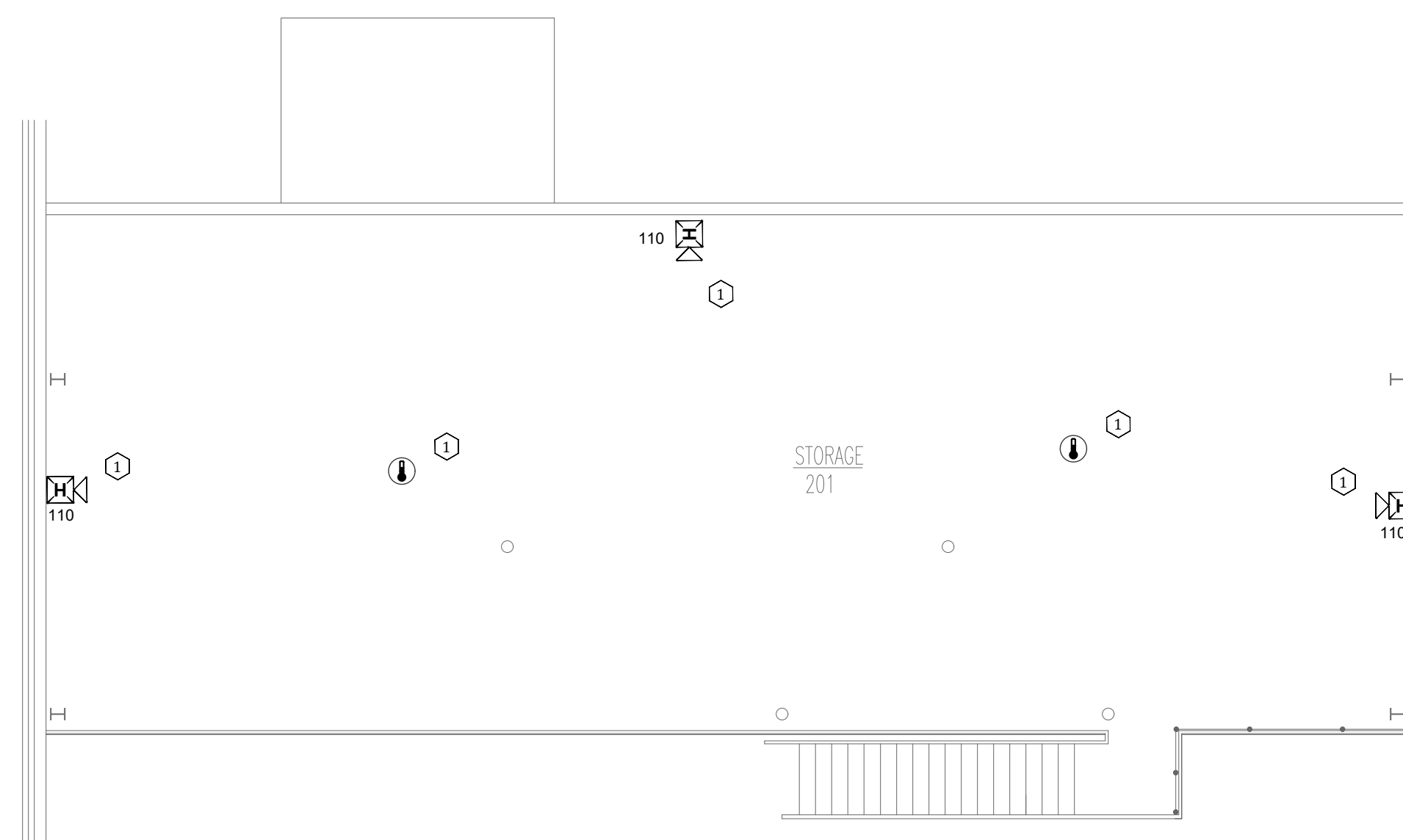
SHEET TITLE:  
MAINTENANCE  
BUILDING-FIRST  
AND SECOND FLOOR  
FIRE ALARM PLANS

SHEET NUMBER:  
FA-500

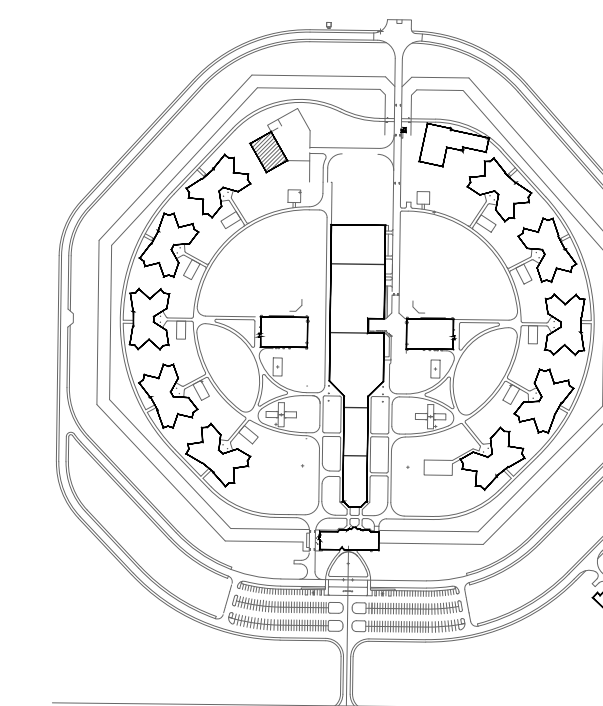
16 OF 31 SHEETS  
04/24/2024



**1** MAINTENANCE BUILDING - FIRST FLOOR FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"

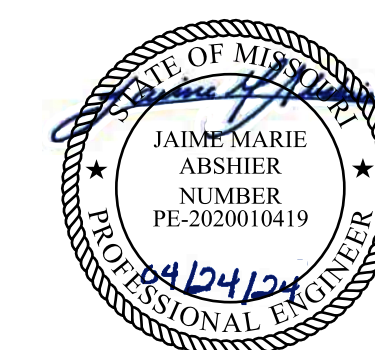


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SCALE: 1/8" = 1'-0"



KEY PLAN



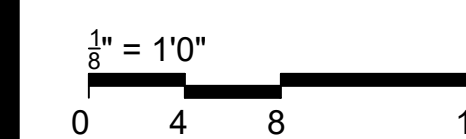


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OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_

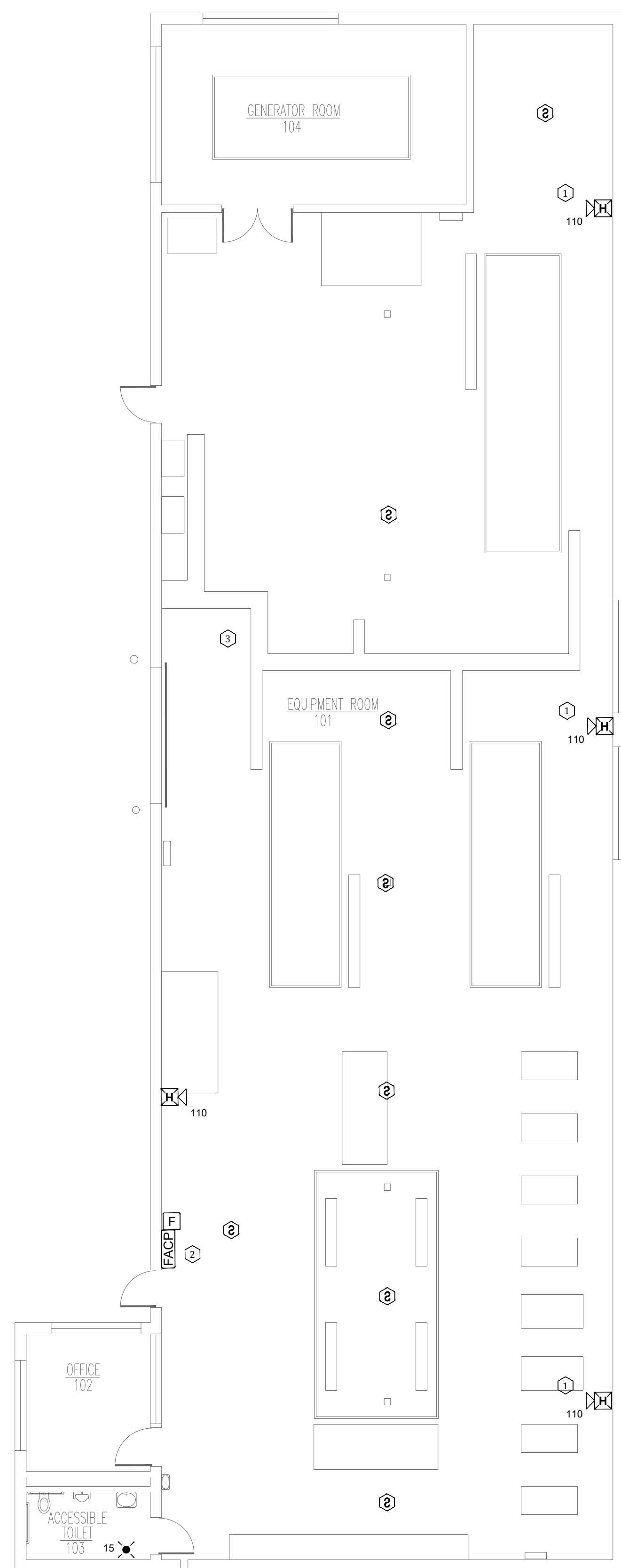
ISSUE DATE: 04/24/2024

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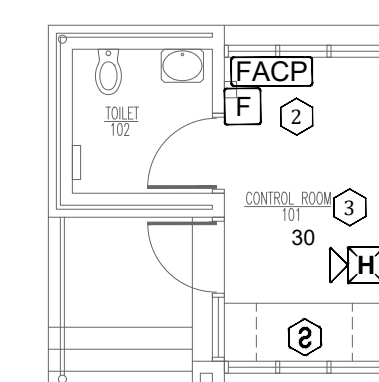
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**POWER PLANT AND  
GUARD HOUSE -  
FIRE ALARM PLANS**

SHEET NUMBER:  
**FA-600**

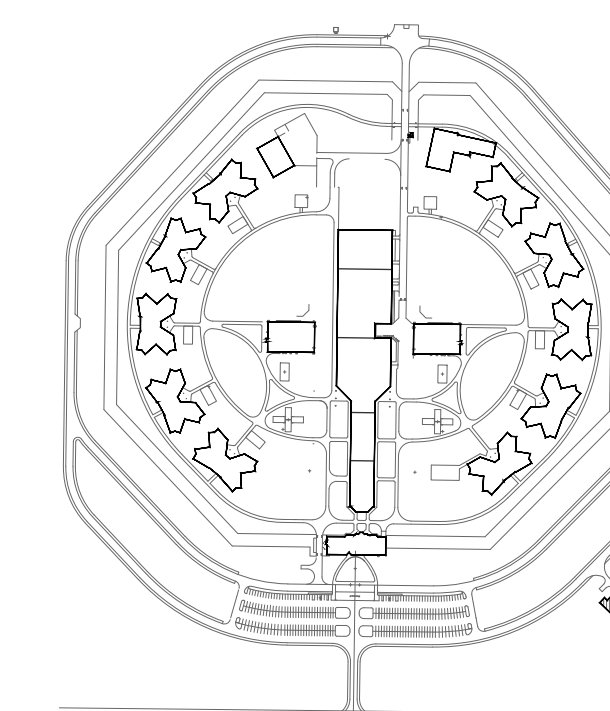
17 OF 31 SHEETS  
04/24/2024



**1** POWER PLANT FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"



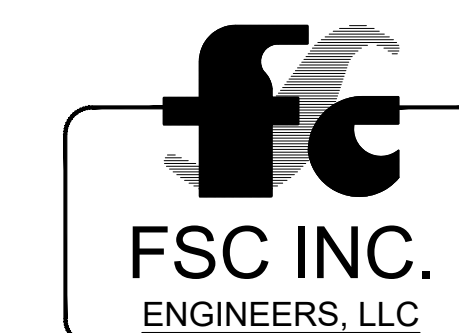
**2** GUARD HOUSE FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"



KEY PLAN

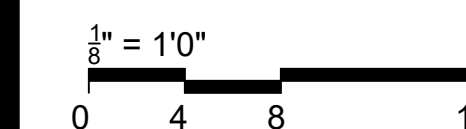


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OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

NOTES:  
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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

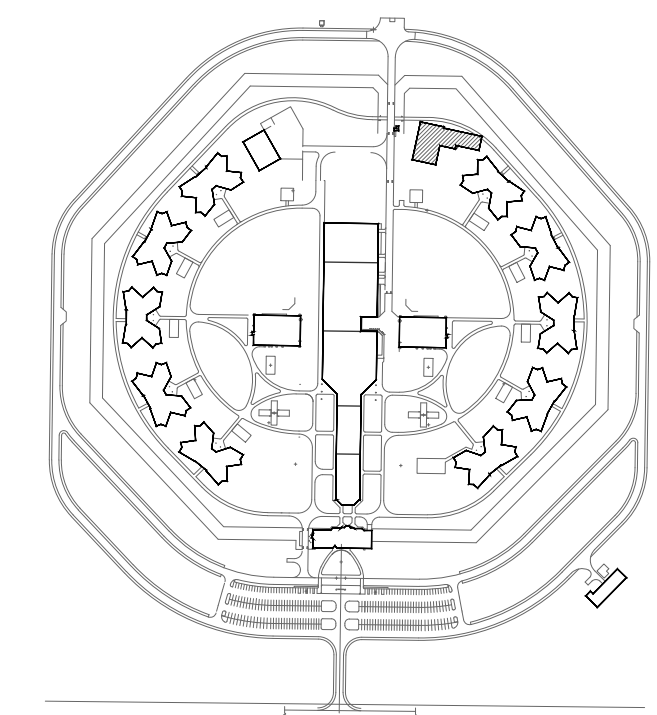
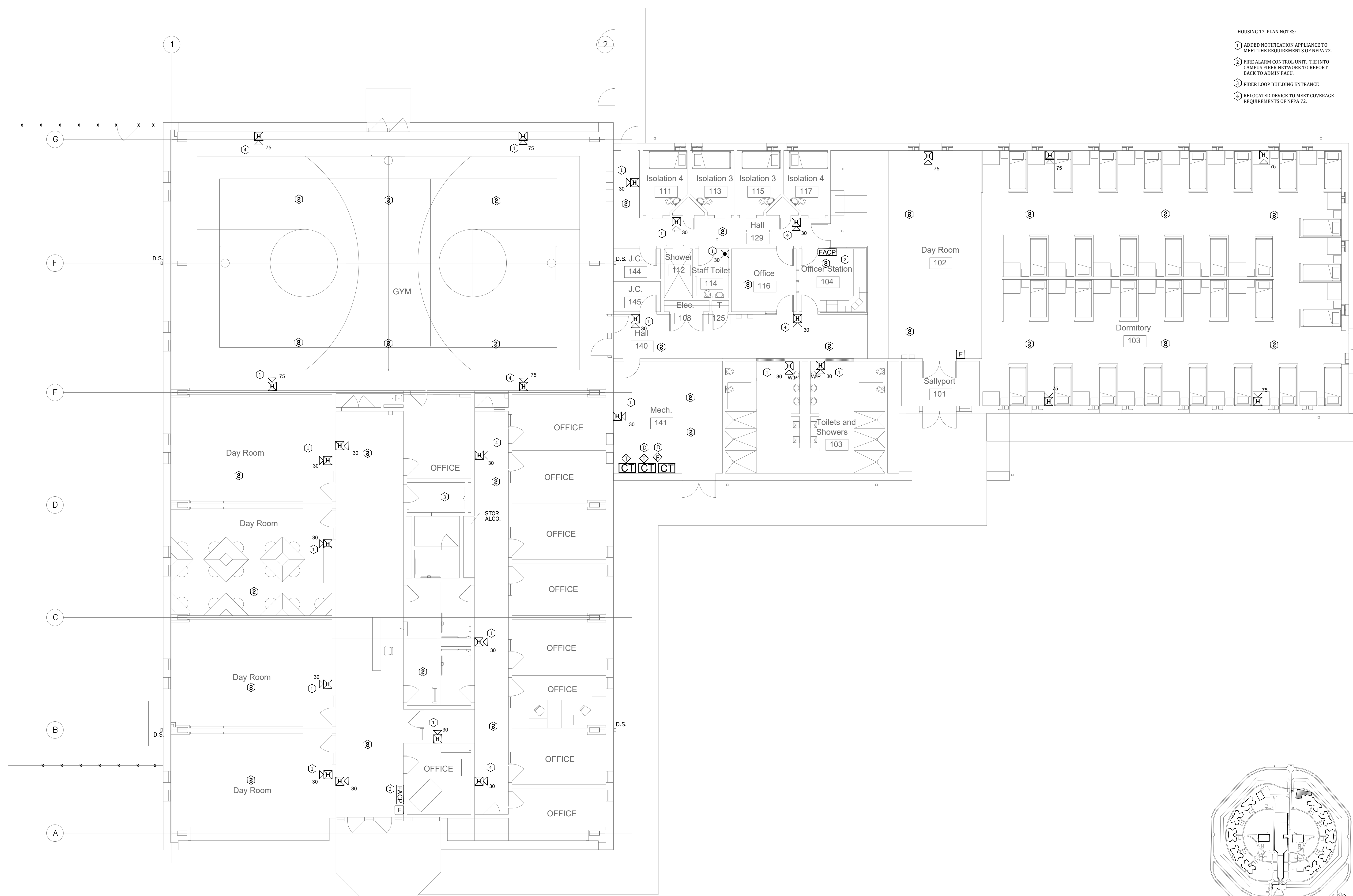
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

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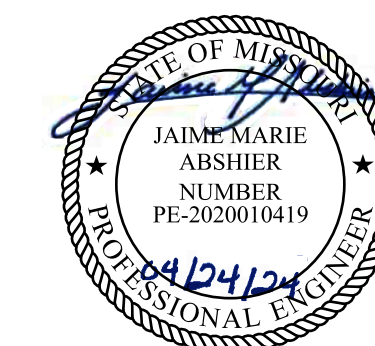
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**HOUSING 17 -  
FIRE ALARM PLANS**

SHEET NUMBER:  
**FA-700**

18 OF 31 SHEETS  
04/24/2024



**1 HOUSING 17 FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"



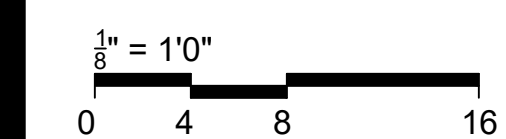
PROFESSIONAL SEAL



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OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

- PLAN NOTES
1. DEMO ALL EXISTING FIRE ALARM DEVICES
  2. KEEP EXISTING FIRE ALARM WIRING AND CONDUIT. FIRE ALARM CONTRACTOR TO VERIFY INTEGRITY OF WIRE AND CONDUIT.

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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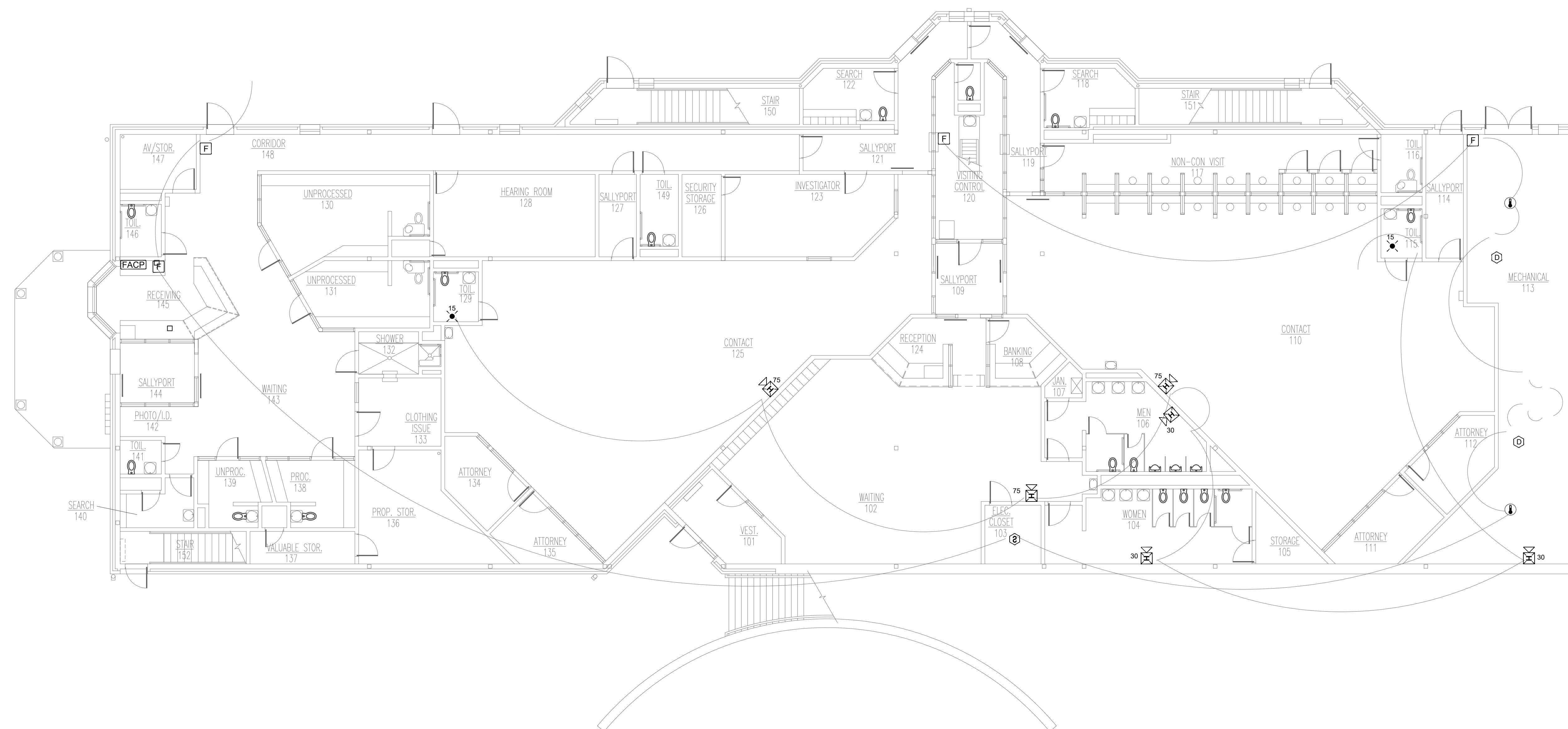
PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

REVISION: \_\_\_\_\_  
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ISSUE DATE: 04/24/2024

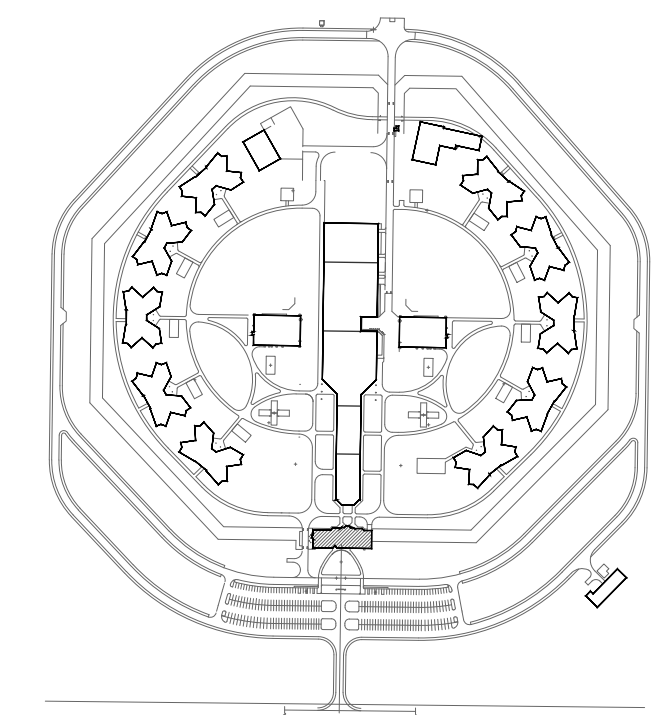
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SHEET TITLE:  
ADMINISTRATION  
BUILDING - FIRST  
FLOOR DEMO FIRE  
ALARM PLAN

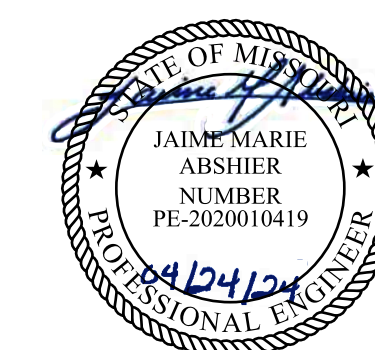
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**1** ADMINISTRATION BUILDING - FIRST FLOOR DEMO FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"



KEY PLAN

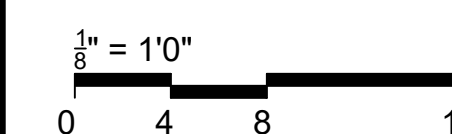


PROFESSIONAL SEAL



8675 W 96TH STREET  
OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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Replace Fire Alarm  
System, Infrastructure

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13698 Airport Rd,  
Bowling Green, MO 63334

PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

REVISION: \_\_\_\_\_  
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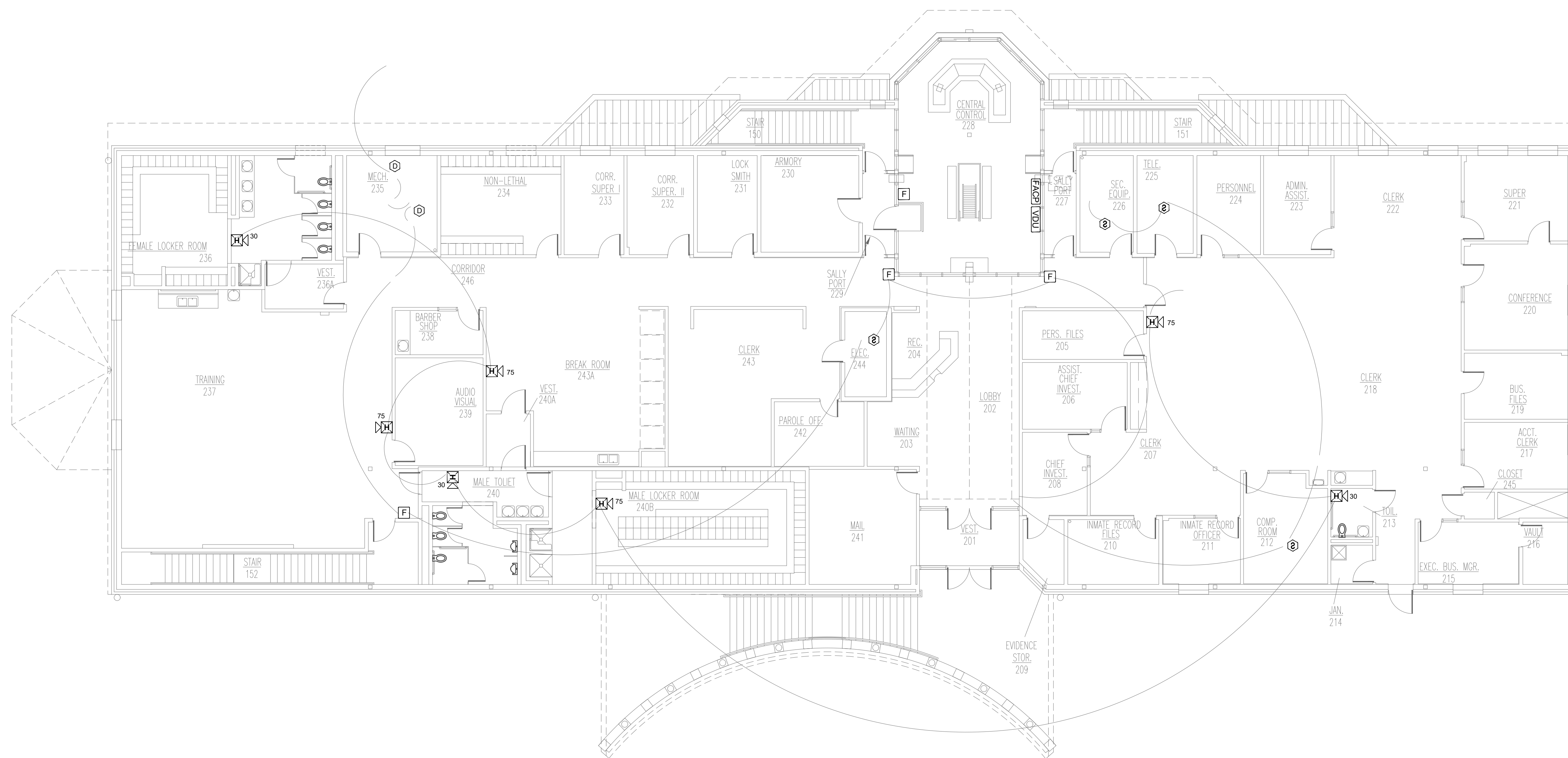
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SHEET TITLE:  
ADMINISTRATION  
BUILDING - SECOND  
FLOOR DEMO FIRE  
ALARM PLAN

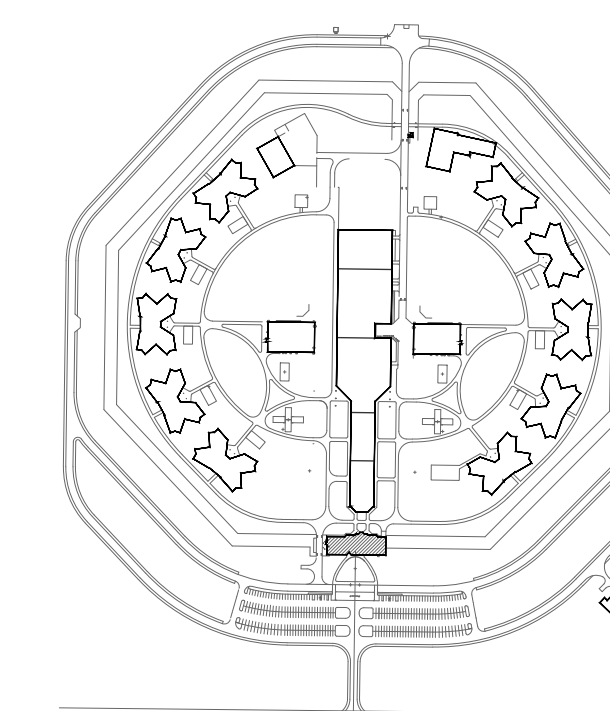
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20 OF 31 SHEETS  
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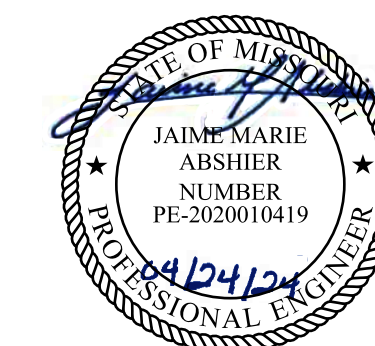
- PLAN NOTES
1. DEMO ALL EXISTING FIRE ALARM DEVICES
  2. KEEP EXISTING FIRE ALARM WIRING AND CONDUIT. FIRE ALARM CONTRACTOR TO VERIFY INTEGRITY OF WIRE AND CONDUIT.



**1** ADMINISTRATION BUILDING - DEMO SECOND FLOOR FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"



KEY PLAN

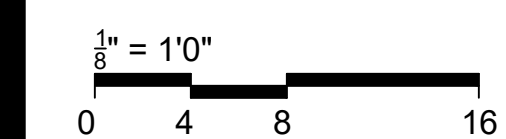


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NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

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ISSUE DATE: 04/24/2024

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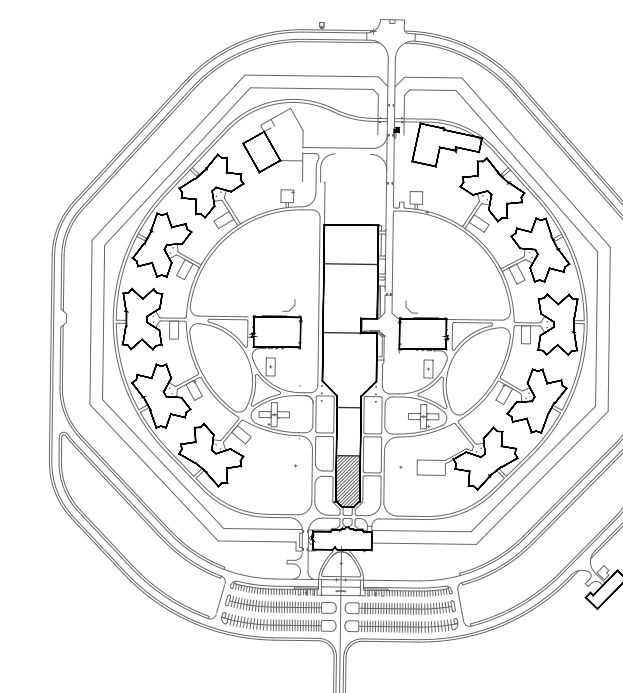
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**SERVICES BUILDING  
- HEALTH - DEMO  
FIRE ALARM PLAN**

SHEET NUMBER:  
**FAD-200**

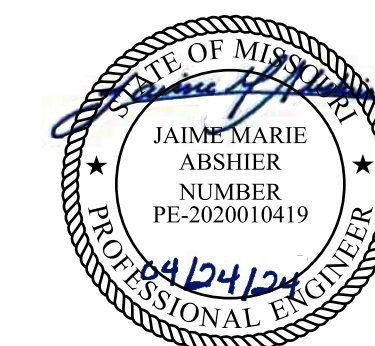
21 OF 31 SHEETS  
04/24/2024



**1 SERVICES BUILDING - HEALTH - DEMO FIRE ALARM PLAN**  
SCALE: 3/32" = 1'-0"



KEY PLAN



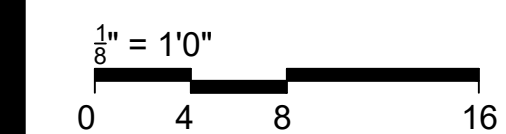
PROFESSIONAL SEAL



8675 W 96TH STREET  
OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

- PLAN NOTES
1. DEMO ALL EXISTING FIRE ALARM DEVICES
  2. KEEP EXISTING FIRE ALARM WIRING AND CONDUIT. FIRE ALARM CONTRACTOR TO VERIFY INTEGRITY OF WIRE AND CONDUIT.

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

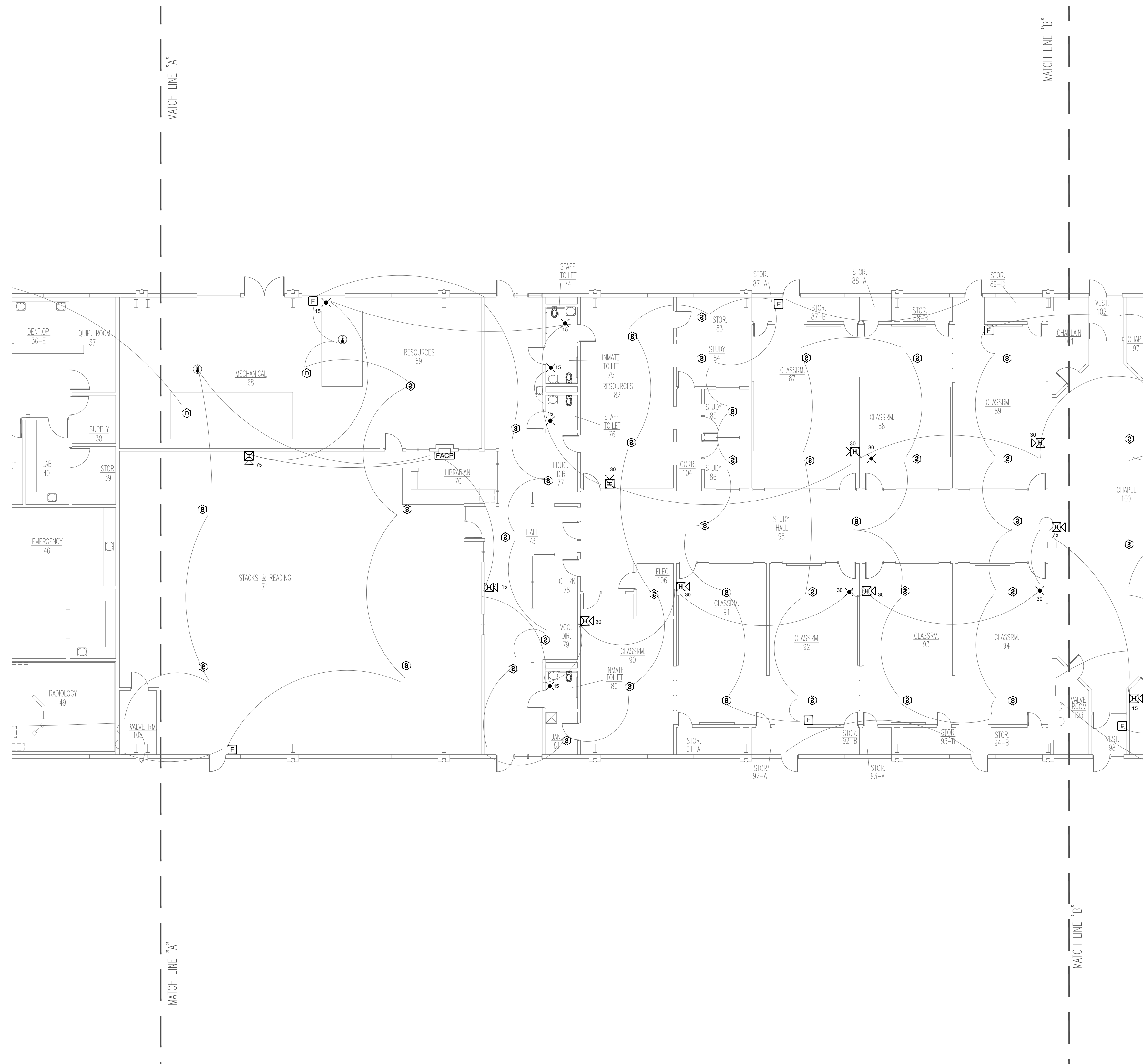
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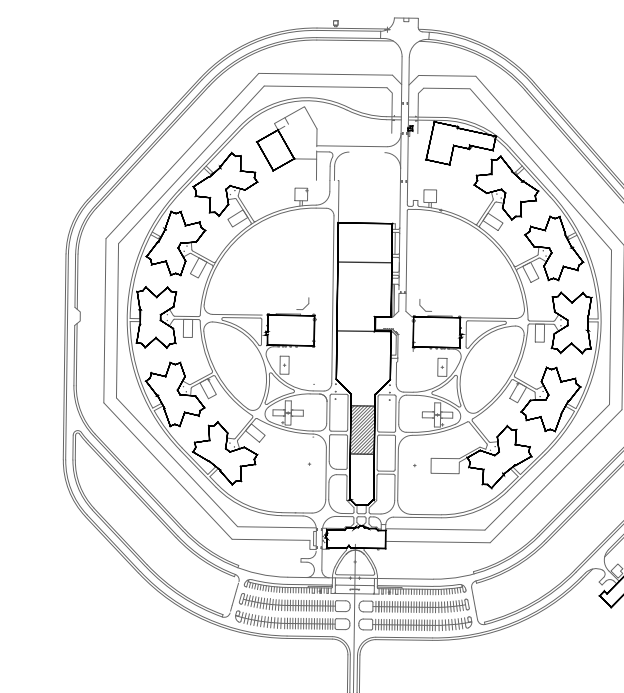
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**SERVICES BUILDING  
- EDUCATIONAL -  
DEMO FIRE ALARM  
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SHEET NUMBER:  
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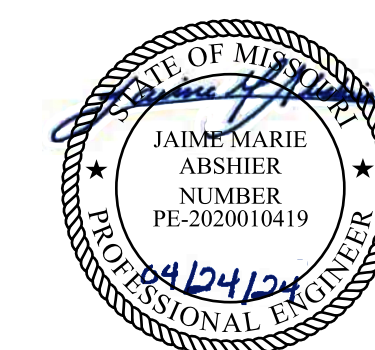
22 OF 31 SHEETS  
04/24/2024



**1 SERVICES BUILDING - EDUCATIONAL - DEMO FIRE ALARM PLAN**  
SCALE: 3/32" = 1'-0"



KEY PLAN

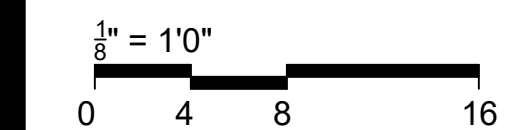


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NOTES:  
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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

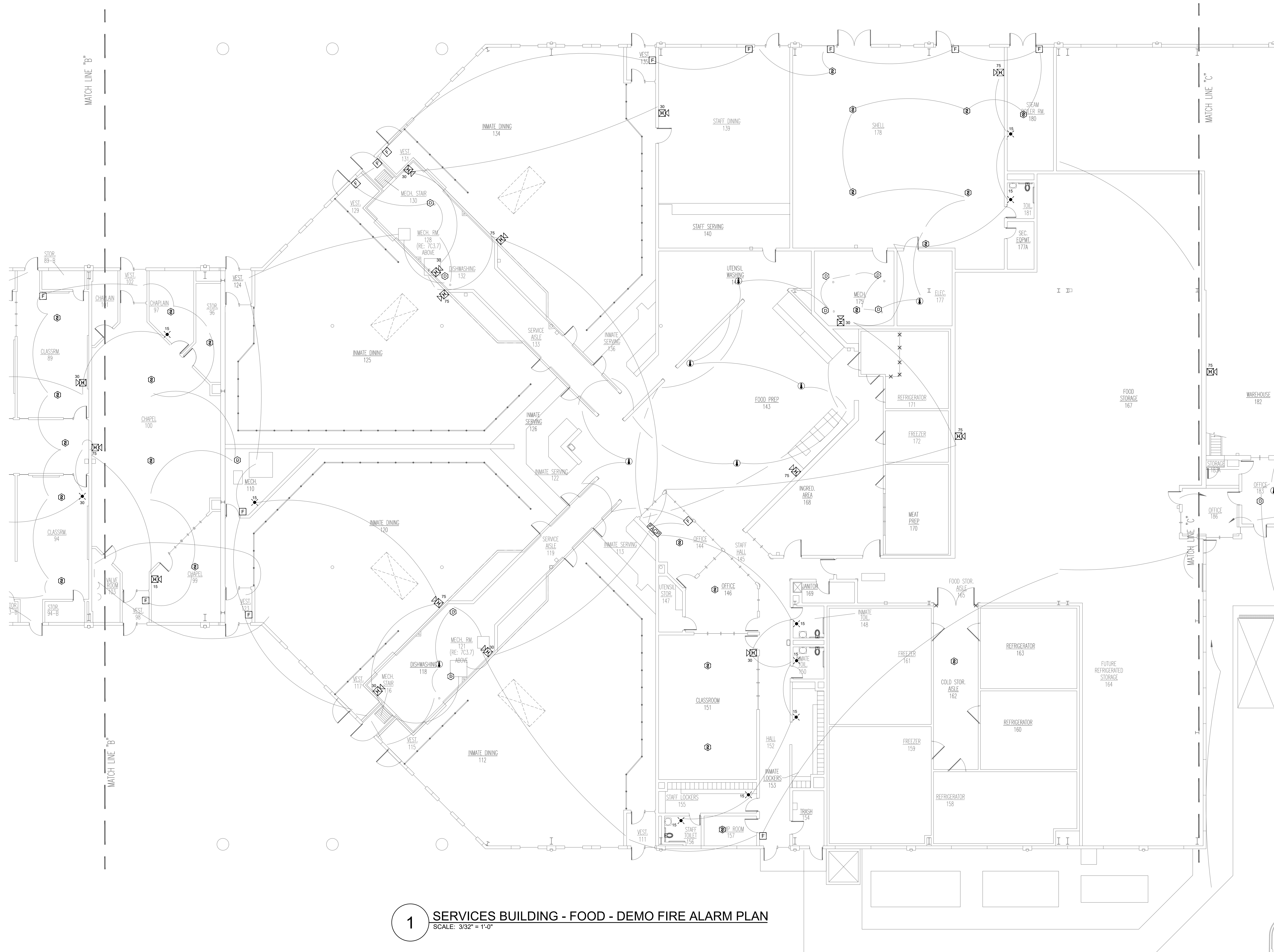
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DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

CAD DWG FILE: FSC  
DRAWN BY: FSC  
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SHEET TITLE:  
**SERVICES BUILDING  
- FOOD - DEMO  
FIRE ALARM PLAN**

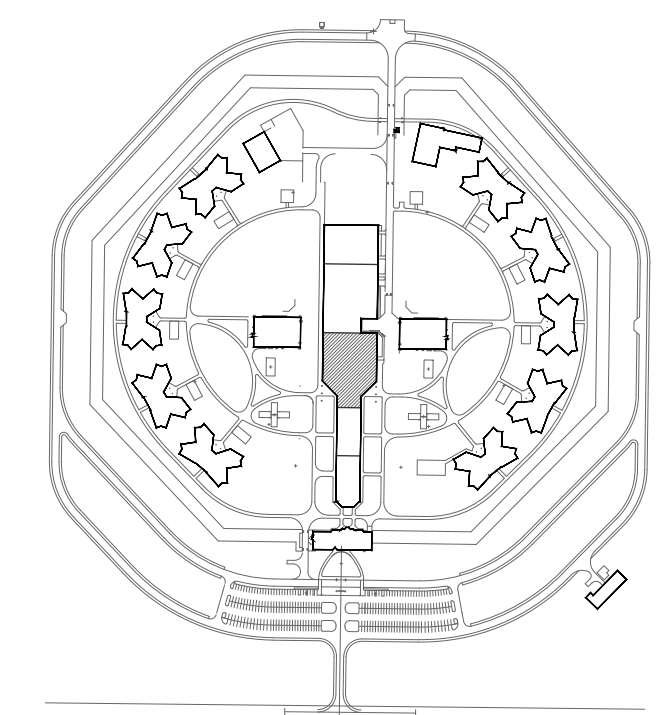
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23 OF 31 SHEETS  
04/24/2024



PLAN NOTES  
1. DEMO ALL EXISTING FIRE ALARM DEVICES  
2. KEEP EXISTING FIRE ALARM WIRING AND CONDUIT. FIRE ALARM CONTRACTOR TO VERIFY INTEGRITY OF WIRE AND CONDUIT.

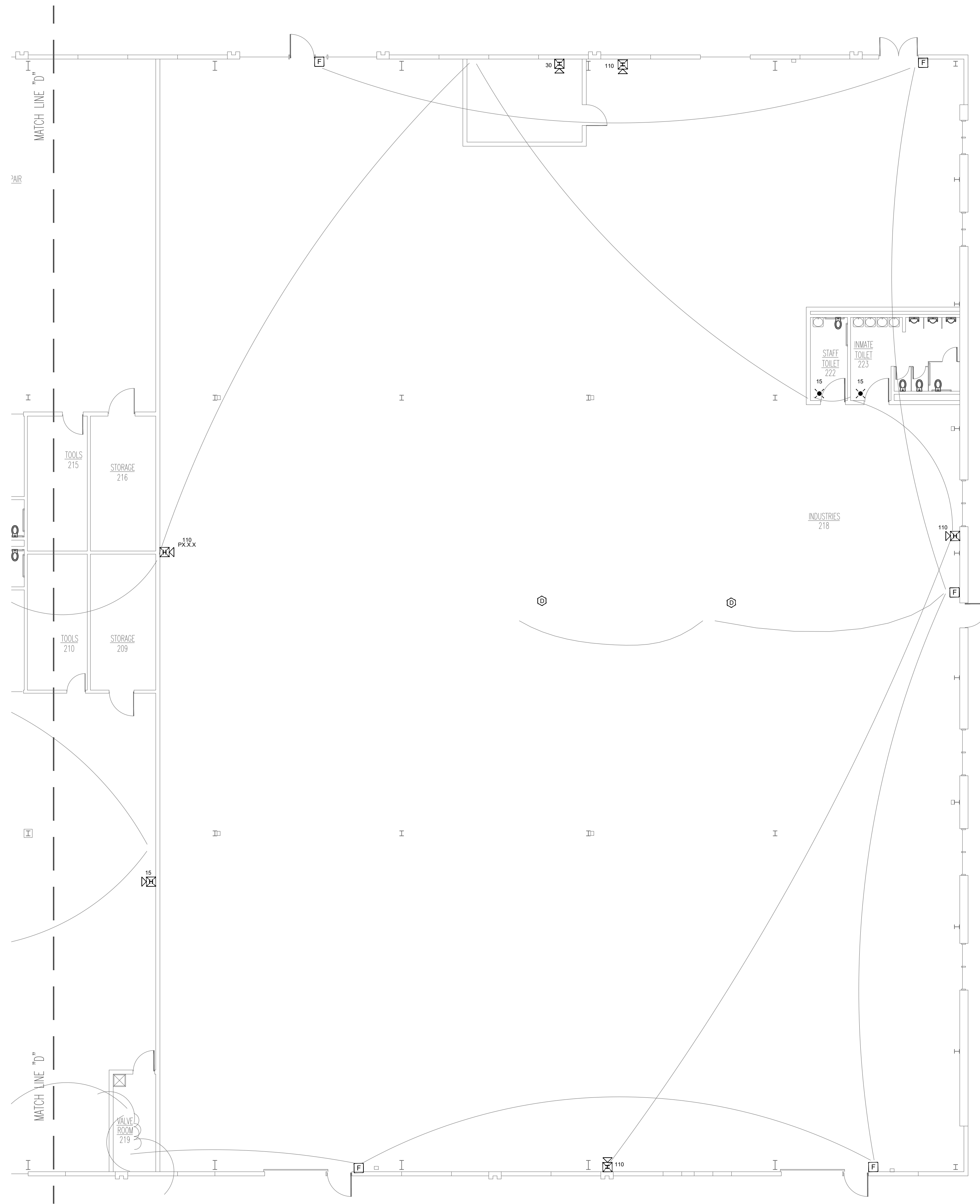
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SCALE: 3/32" = 1'-0"



KEY PLAN

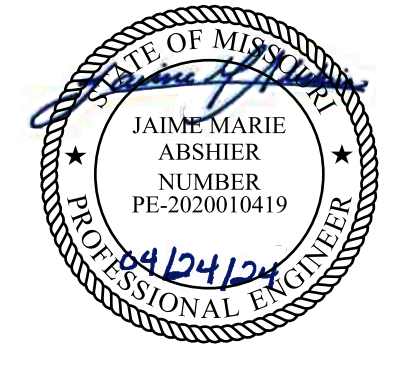






- PLAN NOTES
1. DEMO ALL EXISTING FIRE ALARM DEVICES
  2. KEEP EXISTING FIRE ALARM WIRING AND CONDUIT. FIRE ALARM CONTRACTOR TO VERIFY INTEGRITY OF WIRE AND CONDUIT.

STATE OF MISSOURI  
MICHAEL L. PARSON,  
GOVERNOR

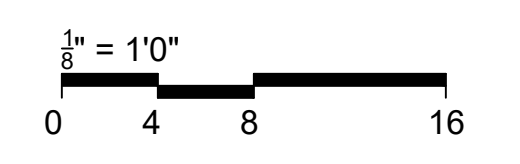


PROFESSIONAL SEAL



8675 W 96TH STREET  
OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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MANAGEMENT,  
DESIGN AND  
CONSTRUCTION

Replace Fire Alarm  
System, Infrastructure

Northeast Correctional center  
13698 Airport Rd,  
Bowling Green, MO 63334

PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

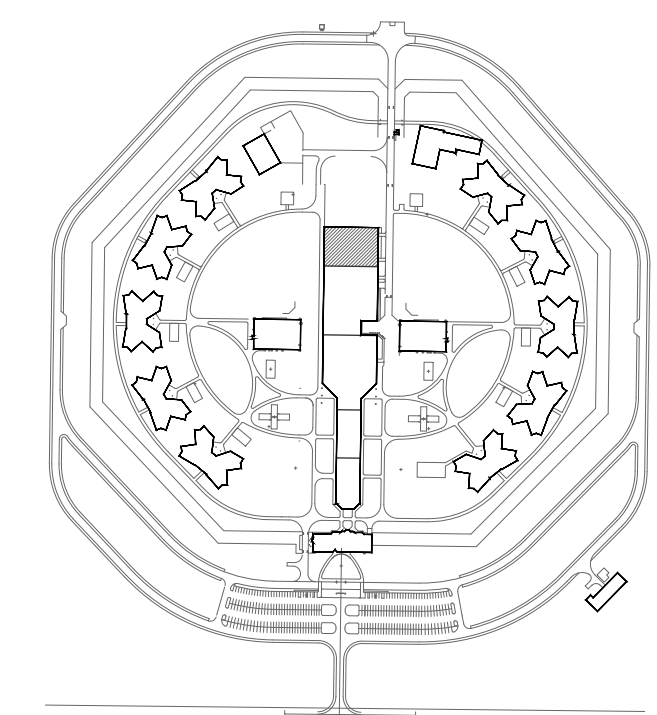
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DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

CAD DWG FILE: FSC  
DRAWN BY: FSC  
CHECKED BY: HDD  
DESIGNED BY: FSC

SHEET TITLE:  
**SERVICES BUILDING  
- INDUSTRIAL -  
DEMO FIRE ALARM  
PLAN**

SHEET NUMBER:  
**FAD-204**

25 OF 31 SHEETS  
04/24/2024



**1 SERVICES BUILDING - INDUSTRIAL - DEMO FIRE ALARM PLAN**  
SCALE: 3/32" = 1'-0"

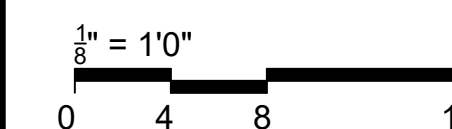


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OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
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System, Infrastructure

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13698 Airport Rd,  
Bowling Green, MO 63334

PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
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DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

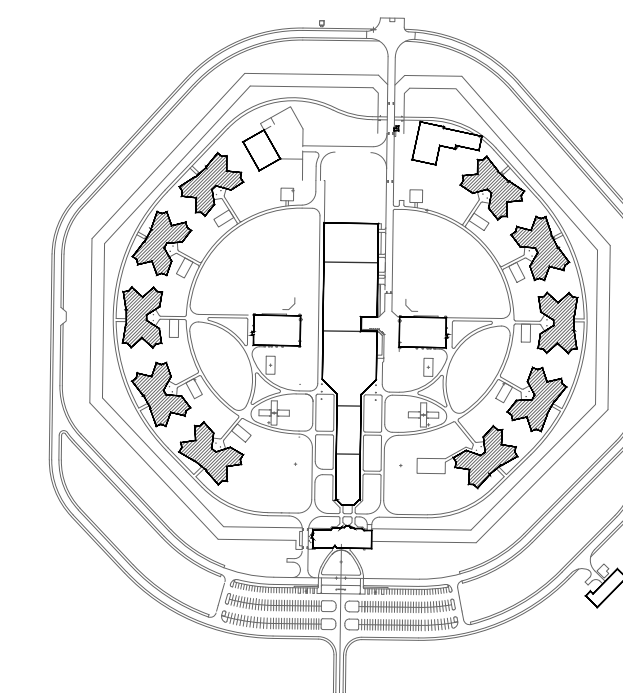
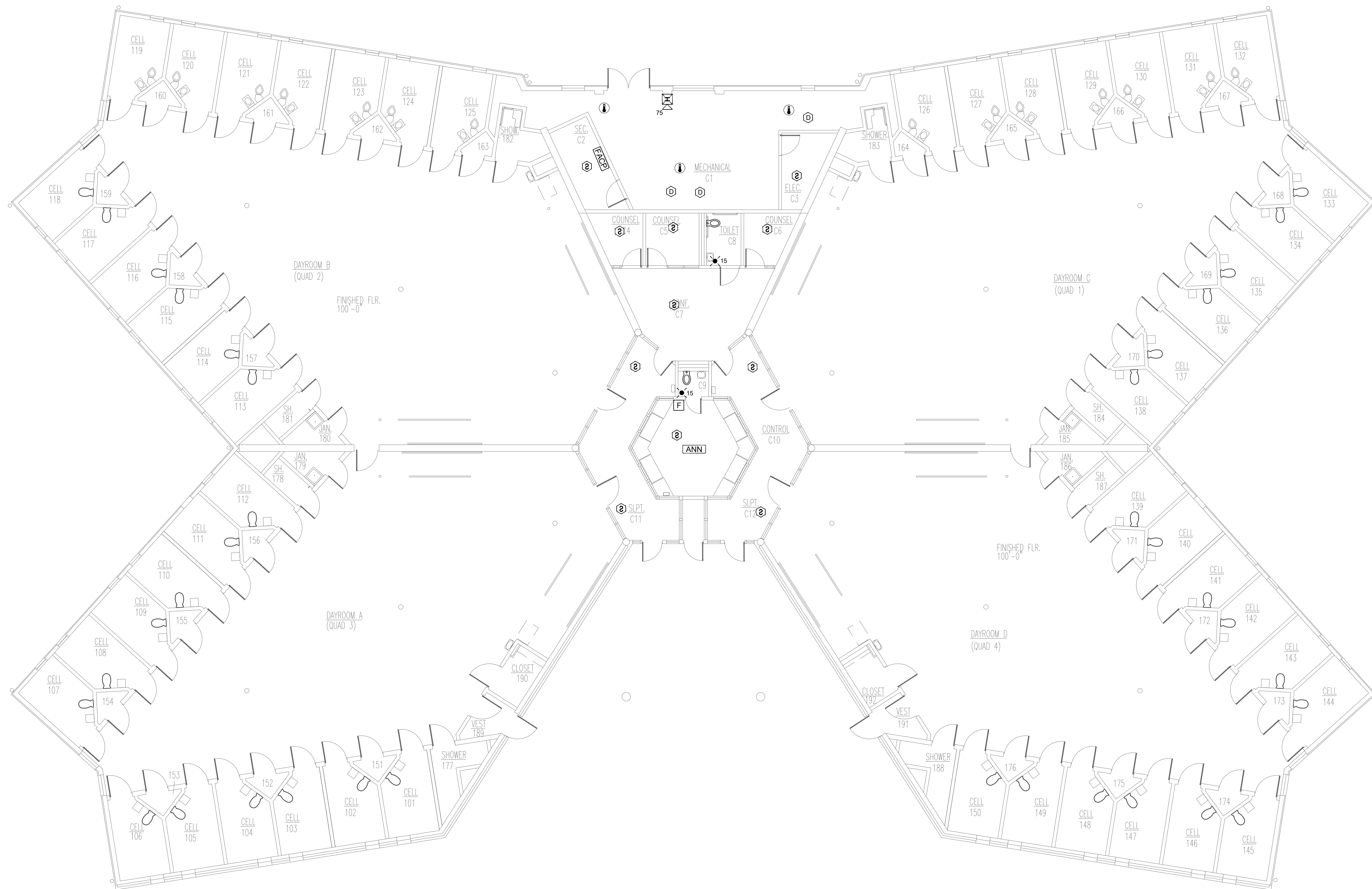
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CHECKED BY: HDD  
DESIGNED BY: FSC

SHEET TITLE:  
HOUSING 1-10 -  
FIRST FLOOR DEMO  
FIRE ALARM PLAN

SHEET NUMBER:  
FAD-300

26 OF 31 SHEETS  
04/24/2024

- PLAN NOTES
1. DEMO ALL EXISTING FIRE ALARM DEVICES
  2. KEEP EXISTING FIRE ALARM WIRING AND CONDUIT. FIRE ALARM CONTRACTOR TO VERIFY INTEGRITY OF WIRE AND CONDUIT.



**1** HOUSING 1-6 - DEMO FIRST FLOOR FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"

KEY PLAN

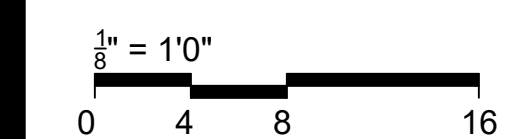


PROFESSIONAL SEAL



8675 W 96TH STREET  
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PHONE: 816.33.4373  
FAX: 913.722.3484

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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Replace Fire Alarm System,  
Infrastructure

Northeast Correctional center  
13698 Airport Rd,  
Bowling Green, MO 63334

PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

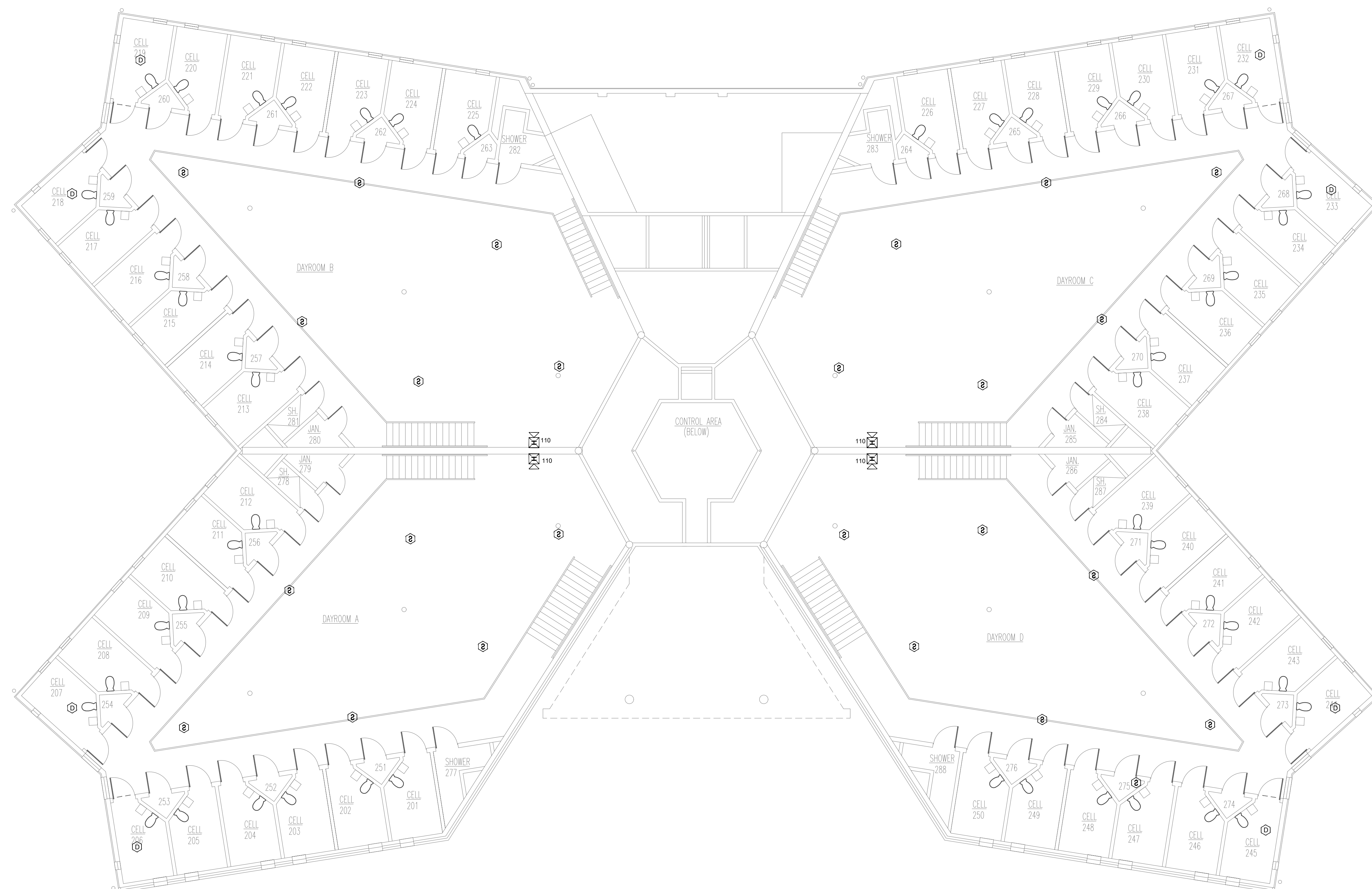
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

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DRAWN BY: FSC  
CHECKED BY: HDD  
DESIGNED BY: FSC

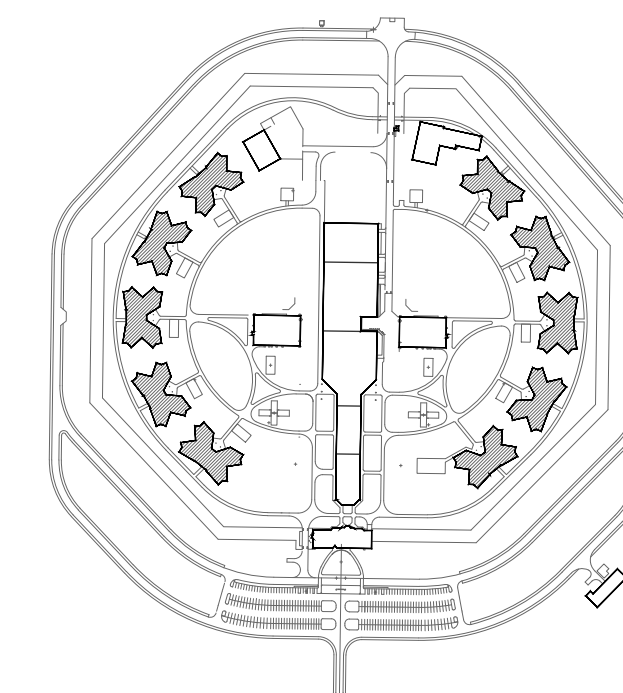
SHEET TITLE:  
HOUSING 1-10 -  
SECOND FLOOR  
DEMO FIRE ALARM  
PLAN

SHEET NUMBER:  
FAD-301

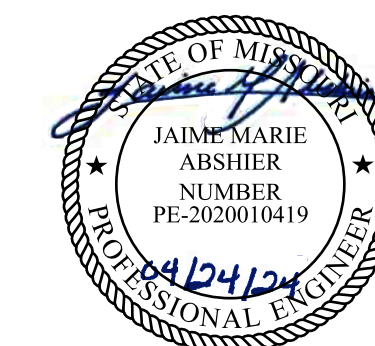
27 OF 31 SHEETS  
04/24/2024



**1** HOUSING 1-6 - DEMO SECOND FLOOR FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"



KEY PLAN

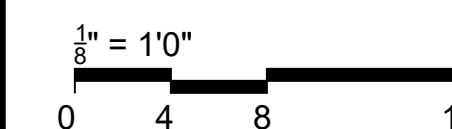


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FAX: 913.722.3484

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
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System, Infrastructure

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Bowling Green, MO 63334

PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
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REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_  
ISSUE DATE: 04/24/2024

CAD DWG FILE: FSC  
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SHEET TITLE:  
**RECREATION  
BUILDING - DEMO  
FIRE ALARM PLAN**

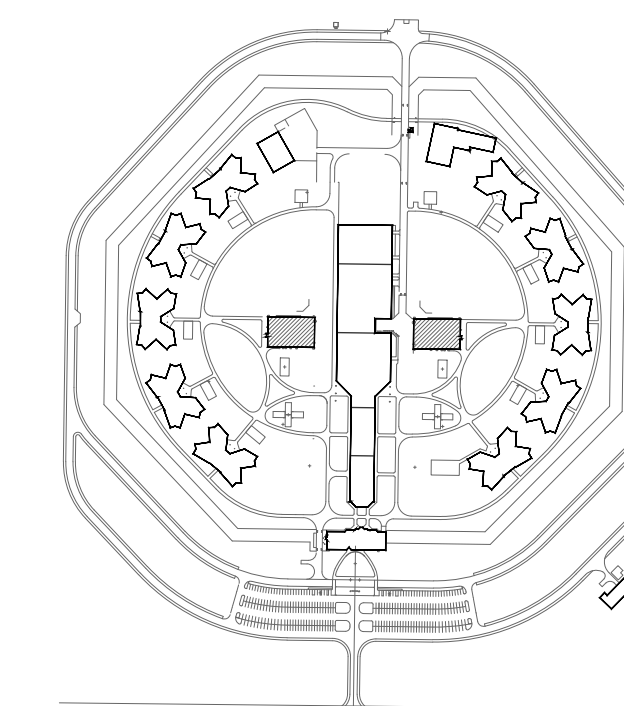
SHEET NUMBER:  
**FAD-400**

28 OF 31 SHEETS  
04/24/2024

- PLAN NOTES
1. DEMO ALL EXISTING FIRE ALARM DEVICES
  2. KEEP EXISTING FIRE ALARM WIRING AND CONDUIT. FIRE ALARM CONTRACTOR TO VERIFY INTEGRITY OF WIRE AND CONDUIT.



**1 RECREATION BUILDING - DEMO FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"



KEY PLAN

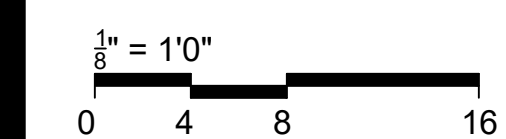


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OVERLAND PARK, KS. 66212  
PHONE: 816.33.4373  
FAX: 913.722.3484

NOTES:  
FOR FIRE ALARM GENERAL NOTES,  
REFER TO DWG# FA-002



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13698 Airport Rd,  
Bowling Green, MO 63334

PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

REVISION: \_\_\_\_\_  
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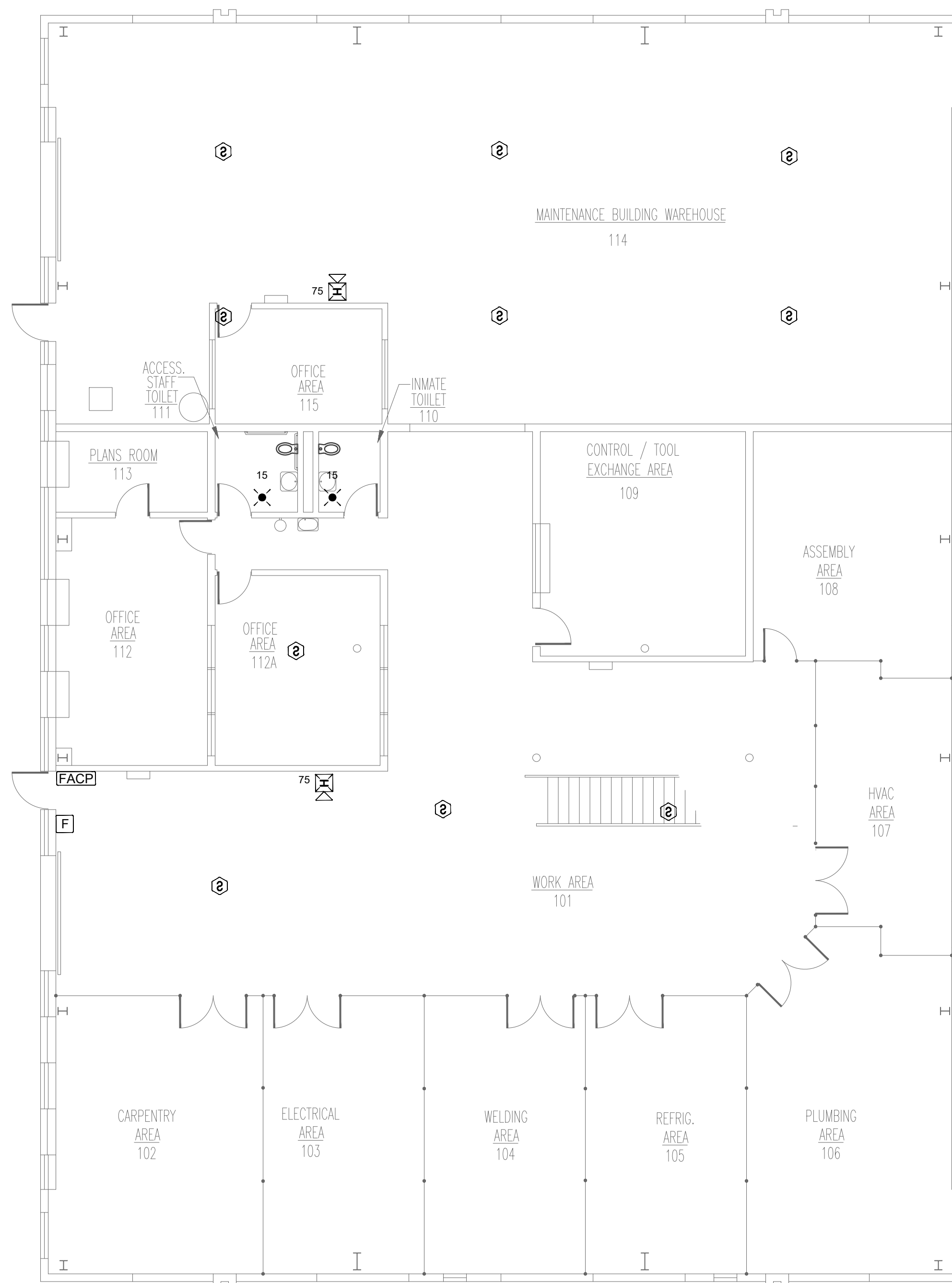
ISSUE DATE: 04/24/2024

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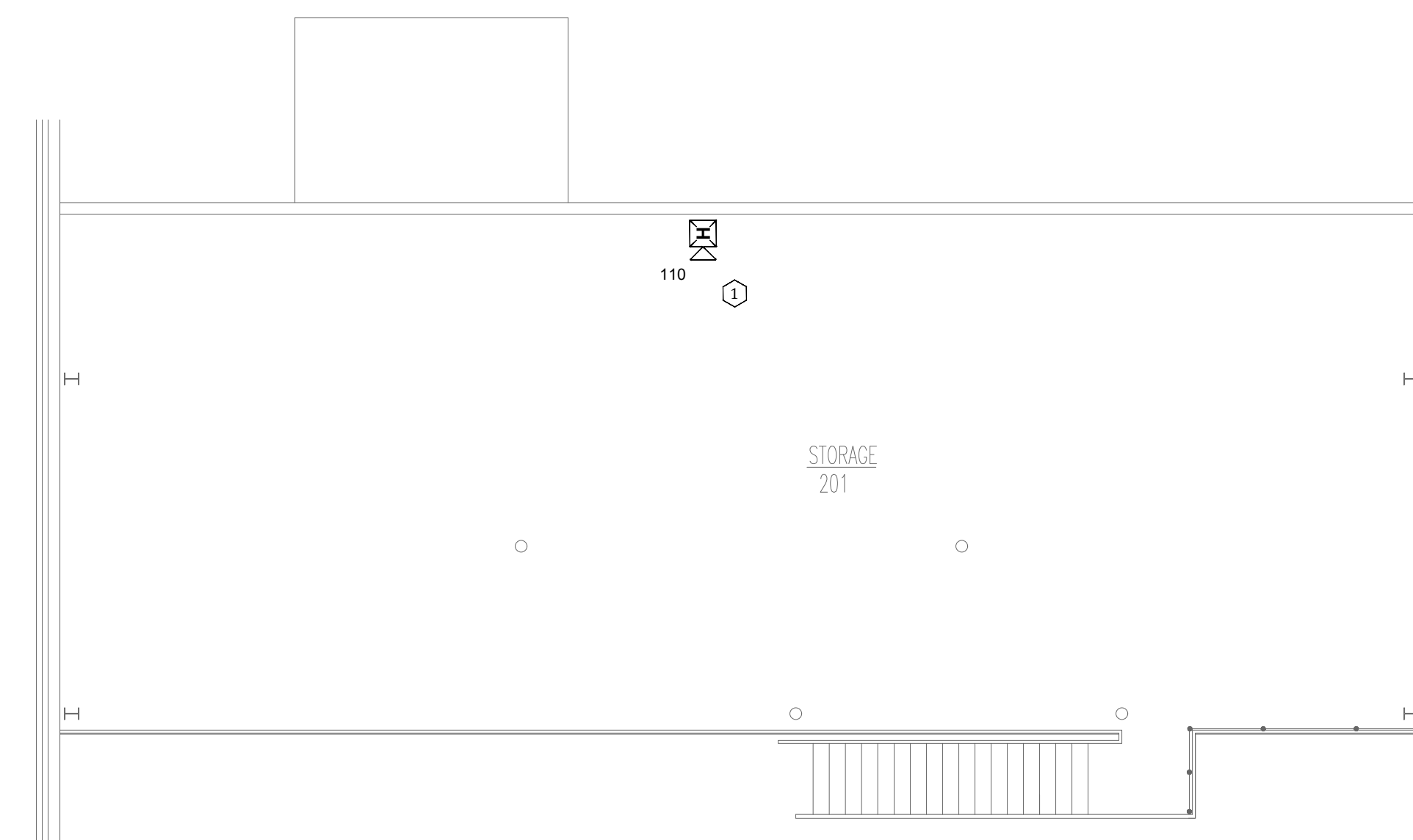
SHEET TITLE:  
MAINTENANCE  
BUILDING-DEMO  
FIRST&SECOND FLOOR  
FIRE ALARM PLAN

SHEET NUMBER:  
FAD-500

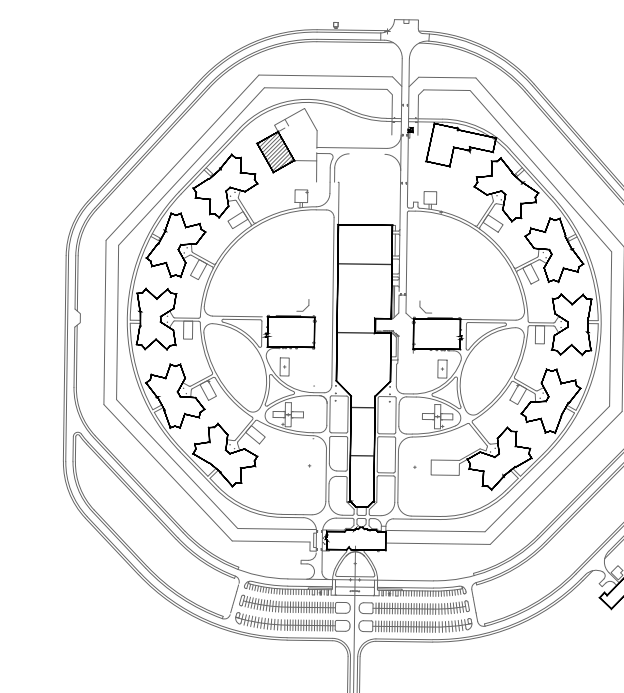
- PLAN NOTES
1. DEMO ALL EXISTING FIRE ALARM DEVICES
  2. KEEP EXISTING FIRE ALARM WIRING AND CONDUIT. FIRE ALARM CONTRACTOR TO VERIFY INTEGRITY OF WIRE AND CONDUIT.



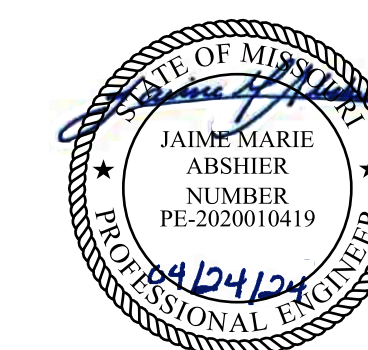
**1** DEMO MAINTENANCE BUILDING - FIRST FLOOR FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"



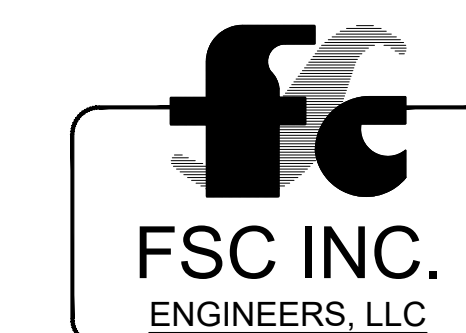
**2** DEMO MAINTENANCE BUILDING - SECOND FLOOR FIRE ALARM PLAN  
SCALE: 1/8" = 1'-0"



KEY PLAN

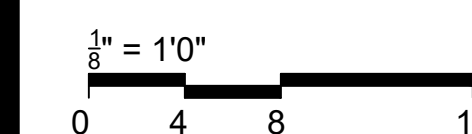


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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

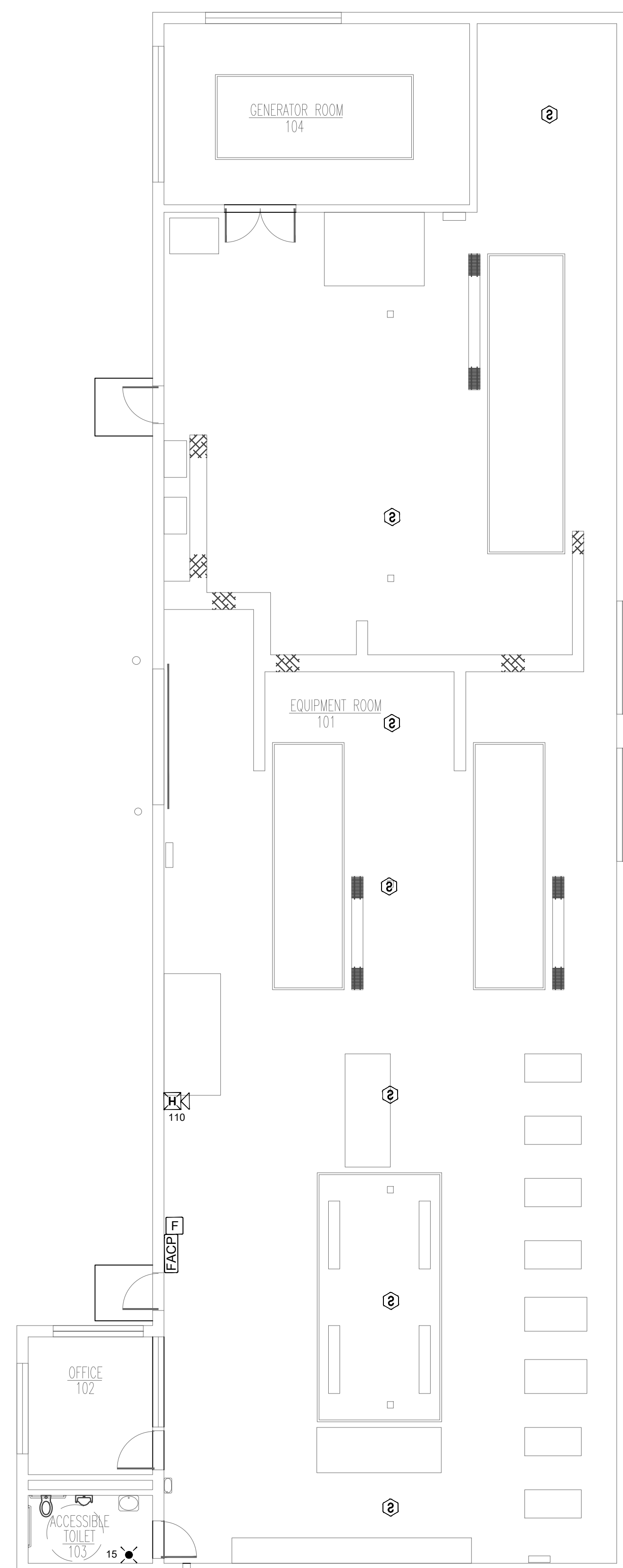
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ISSUE DATE: 04/24/2024

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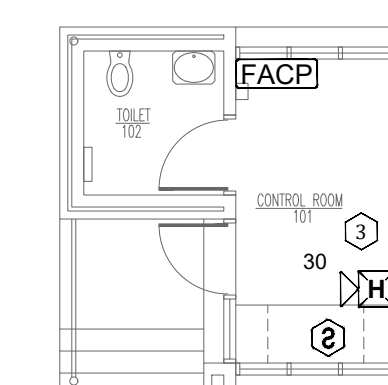
SHEET TITLE:  
POWER PLANT AND  
GUARD HOUSE -  
DEMO FIRE ALARM  
PLANS

SHEET NUMBER:  
FAD-600

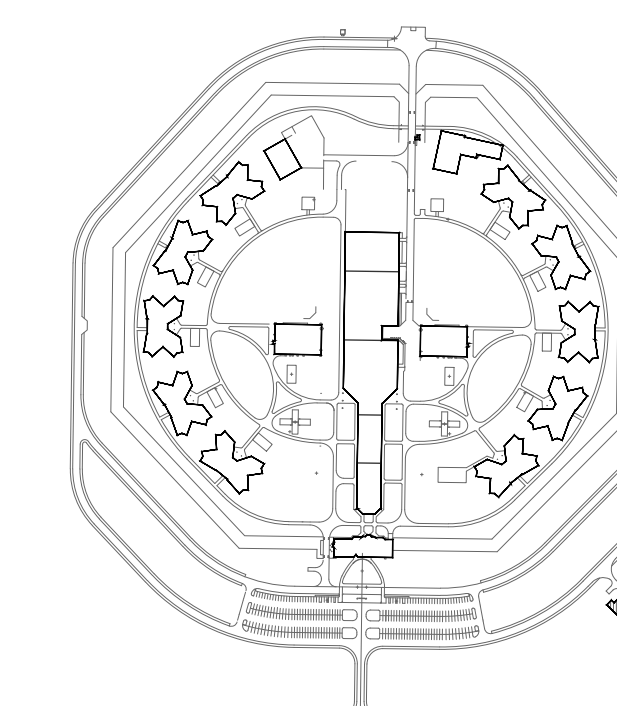
30 OF 31 SHEETS  
04/24/2024



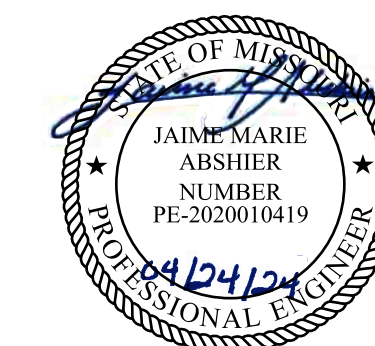
**1 DEMO POWER PLANT FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"



**2 DEMO GUARD HOUSE FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"



KEY PLAN

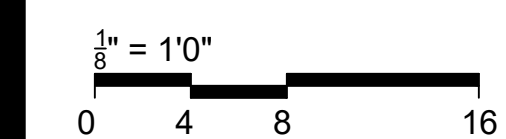


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PROJECT # C2314-01  
SITE # 7017  
FACILITY # 9327017049

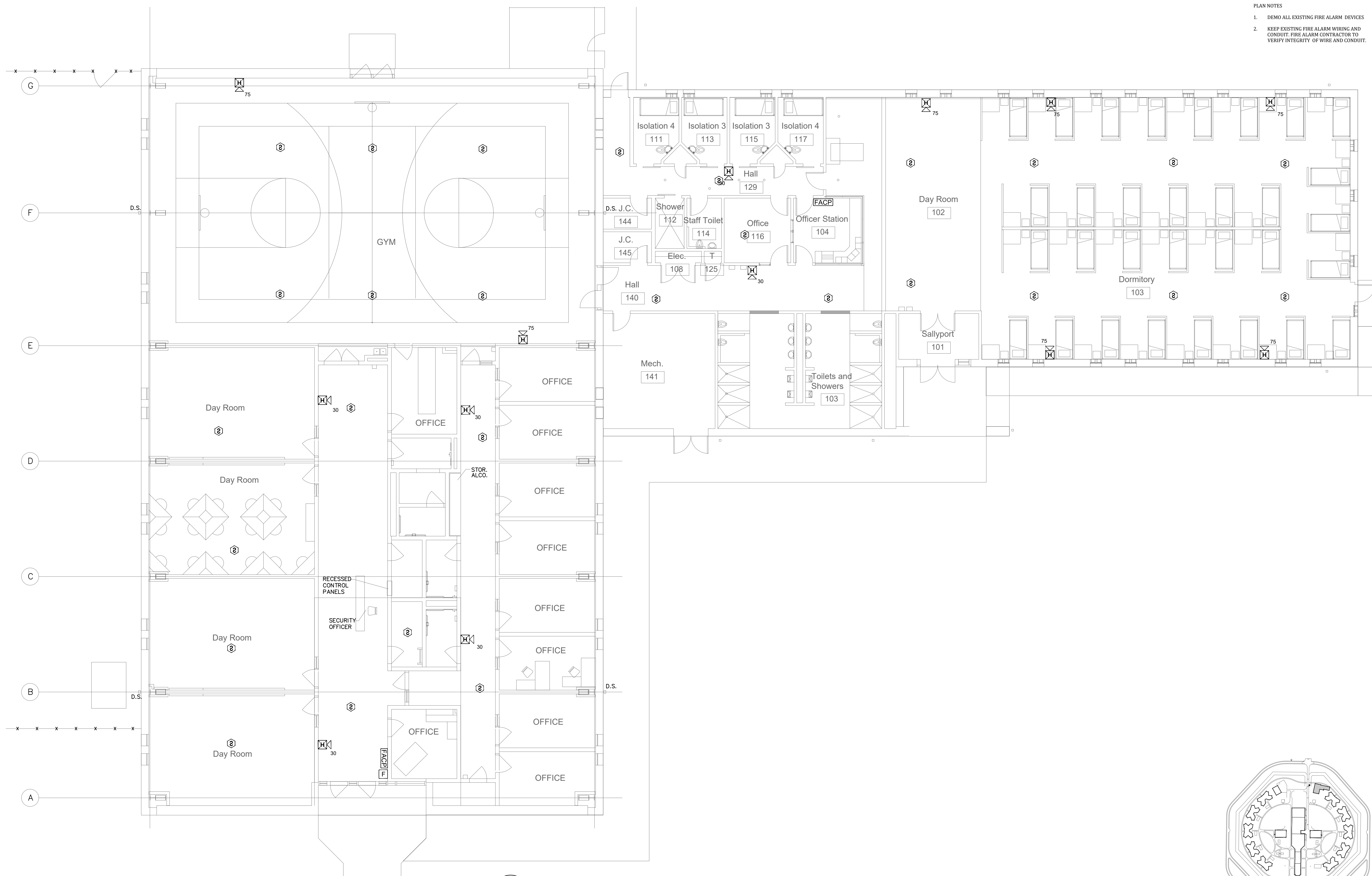
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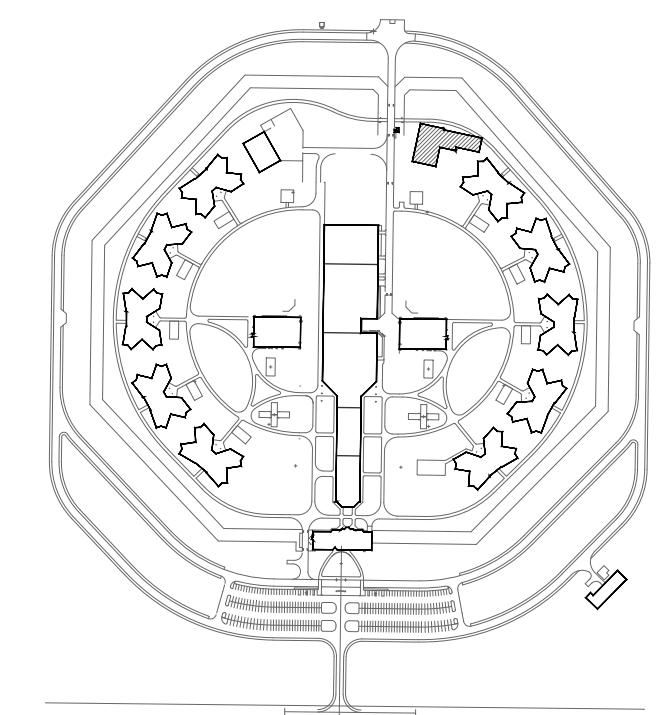
SHEET TITLE:  
**HOUSING 17 -  
DEMO FIRE ALARM  
PLANS**

SHEET NUMBER:  
**FAD-700**

31 OF 31 SHEETS  
04/24/2024



**1 DEMO HOUSING 17 FIRE ALARM PLAN**  
SCALE: 1/8" = 1'-0"



KEY PLAN