REPLACE FIRE ALARM PANELS, INFRASTRUCTURE EASTERN RECEPTION, DIAGNOSTIC AND CORRECTIONAL CENTER (Bonne Terre, Missouri)

OWNER:

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR

DEPARTMENT OF CORRECTIONS

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



8675 West 96th Street Overland Park, KS 66212 Phone: 816.333.4373 Fax: 913.722.3484

DESIGNER: FSC Inc

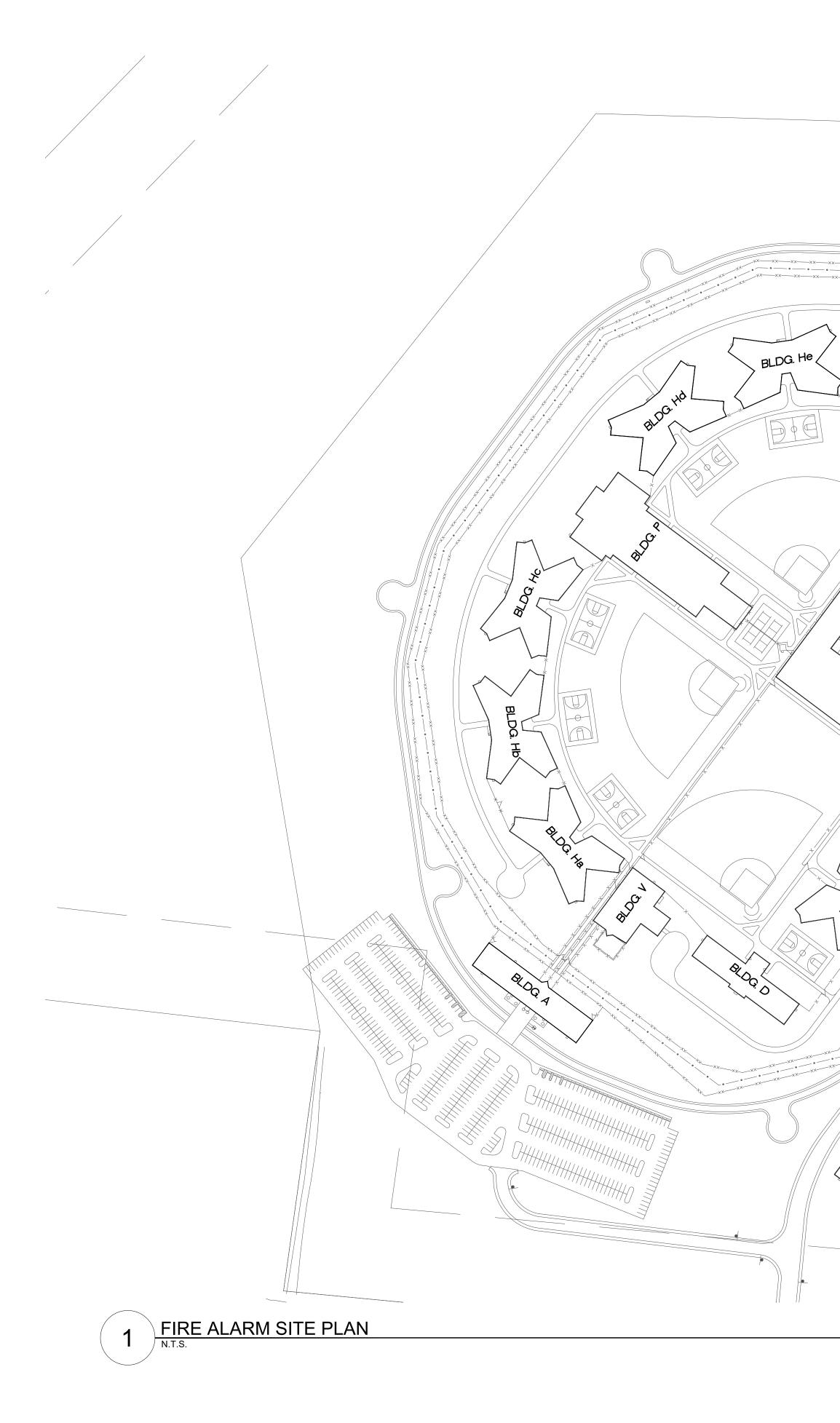
PROJECT NUMBER: C2405-01

SITE NUMBER:7021ASSET NUMBER:9327021031

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SHEET NUMBER: FA-000 AUGUST 08, 2024 1 OF 29 SHEETS

EASTERN RECEPTION, DIAGNOSTIC AND CORRECTIONAL CENTER



BONNE TERRE, MISSOURI



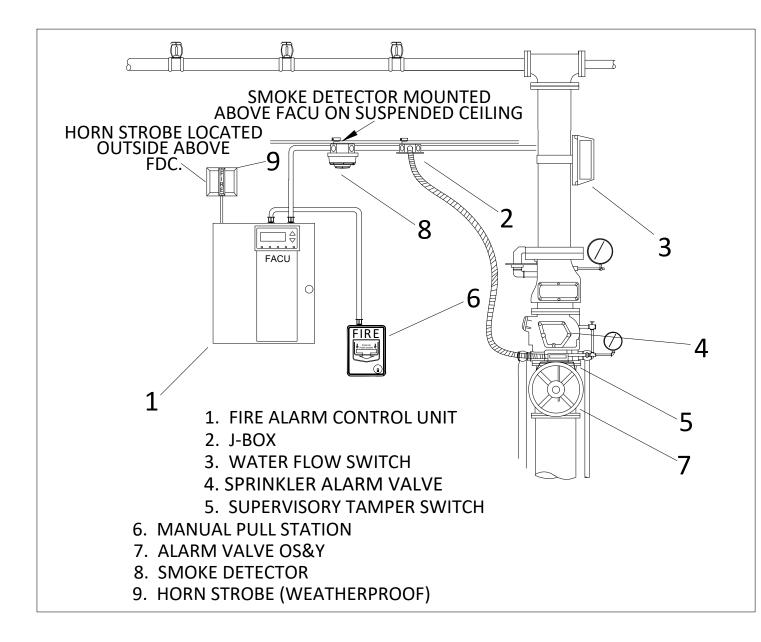
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	STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
	JAIME MARIE ABSHIER NUMBER PE-2020010419
	REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.
	FSC INC. BRGINEERS, LLC B675 W 96TH STREET OVERLAND PARK, KS. 66212 PHONE: 816.33.4373 FAX: 913.722.3484
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	OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
	DEPARTMENT OF CORRECTIONS
PLAN	Replace Fire Alarm System, Infrastructure
 2	Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628
LAN MO PLAN	PROJECT #C2405-01SITE #7021ASSET #9327021031
	REVISION: DATE: REVISION: DATE: REVISION: DATE: DATE: ISSUE DATE: 08/08/2024
	CAD DWG FILE:C2405-01-FA-SIT-002 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>
	SHEET TITLE: FIRE ALARM SITE PLAN
	SHEET NUMBER: FA-001

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- 2. 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.
- 3. 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.
- 4. 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
- 5. 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.
- 6. 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.
- 7. FIRE ALARM SYSTEMS AND NETWORK SHALL BE NON-PROPRIETARY.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONDUITS, BOXES, ETC. AND FIBER FROM THE FACU TO EACH BUILDING'S FIBER PATCH PANEL.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TERMINATIONS AND PROGRAMMING, INCLUDING FIBER MODULES (SINGLE MODE OR MULTIMODE) AND PROGRAMMING.
- 10. FIRE ALARM SEQUENCE OF OPERATION SHALL BE APPROVED BY THE STATE OF MO PRIOR TO CONFIGURATION.
- 11. 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.

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	CONDITIONS	AREA HEAT DETECTOR DETECTOR						•																AS INDICATED ON PLANS
		MANUAL PULL STATION						•																DUAL ACTION TYPE WITH STOPPER
	CON	DUCT SMOKE DETECTOR (HVAC)					•	•																GLOBAL HVAC SHUTDOWN
	ARM	DUCT SMOKE DETECTOR (CELL)					•																	
	AL	1ST FLOOR ELEVATOR LOBBY SMOKE																						PRIMARY RECALL
	GENERAL	2ND FLOOR ELEVATOR LOBBY SMOKE																						ALTERNATE RECALL
		ELEVATOR SHAFT/EQUIP ROOM SMOKE																						FIREMAN'S HAT
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		SPRINKLER TAMPER SWITCH			•																			SPRINKLER TAMPER SWITCH
		KITCHEN HOOD SUPPRESSION SYSTEM																						KITCHEN HOOD SUPPRESSION SYS
AL		AC POWER FAILURE)															AUTOMATIC DOOR RELEASE
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		INITIATING DEVICE CIRCUIT (HTRI) SINGLE OPEN, GROUND, OR SHORT							•															(IDC) – CLASS B/STYLE B
	PWR. & WIRE CONDITIONS	NOTIFICATION APPLIANCE CIRCUIT (NAC) SINGLE OPEN, GROUND, OR SHORT		•																				(NAC) – CLASS B/STYLE Y
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		LOW BATTERY					•)															
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1. ALL NOTES IN THIS DRAWINGS ARE INTEGRAL PART OF THE CONTRACT DOCUMENT AND MUST READ IN CONJUNCTION WITH ALL PACKAGE ELEMENTS (SPECIFICATIONS, LAYOUTS,...ETC.)

- 12. 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.
- 13. ENGAGE SPRINKLER CONTRACTOR AS NECESSARY TO REPLACE SPRINKLER MONITORING EQUIPMENT.
- 14. 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.
- 15. THE LOCATION OF THE DEDICATED BRANCH CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE CONTROL UNIT.
- 16. 120VAC CIRCUITS SHALL BE RUN IN SEPARATE CONDUIT.
- 17. ALL NON-POWER LIMITED WIRING SHALL HAVE A MINIMUM OF A 1/4" SEPARATION FROM POWER LIMITED WIRING.
- 18. ALL WIRING AND/OR CABLES SHALL BE ROUTED IN CONDUIT AND FIRE ALARM RATED.
- 19. TEE-TAPPING IS ONLY PERMISSIBLE ON CLASS 'B' SLC CIRCUITS.
- 20. 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.
- 21. 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.
- 22. SET STROBES TO CANDELA NOTED ON PLAN SHEET.
- 23. REFER TO DEVICE INSTALLATION SHEETS FOR BACK BOX REQUIREMENTS.
- 24. REFER TO DEVICE INSTALLATION SHEETS FOR REQUIREMENTS ON INSTALLING ALL EQUIPMENT.
- 25. ALL CIRCUITS SHALL BE IDENTIFIED AT TERMINAL AND JUNCTION LOCATIONS WHICH WILL HELP PREVENT UNINTENTIONAL SIGNALS TO OCCUR ON THE SYSTEM.
- 26. 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.
- 27. INTEGRITY OF CIRCUIT SHALL BE TESTED TO VERIFY THAT WHEN THE SYSTEM IS IN AN ENERGIZED STATE THE SYSTEM WILL FUNCTION PROPERLY.

- 28. 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.
- 29. 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.
- 30. 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.
- 31. FIRE SPRINKLER WATER FLOW AND VALVE TAMPER SWITCHES SHALL BE MONITORED BY THE FIRE ALARM SYSTEM (IF APPLICABLE).
- 32. 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.
- 33. 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.
- 34. 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.
- 35. AUDIO CIRCUITS ARE TO BE 14 AWG 2 CONDUCTOR SOLID SHIELDED TWISTED PAIR FPLR OR FPLP (PLENUM RATED) AS REQUIRED.
- 36. LIMIT NOTIFICATION APPLIANCE CIRCUIT WIRING TO THE SHORTEST POSSIBLE DISTANCE TO ACHIEVE CIRCUIT OPERATION.
- 37. ALL FIRE ALARM CABLE SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 760 OF NFPA 70 NATIONAL ELECTRICAL CODE.
- 38. PLENUM RATED CABLE MUST BE INSTALLED IN ALL PLENUM AREAS. RISERS NOT IN CONDUIT MUST USE FPLP CABLE WHEN PENETRATING MORE THAN ONE FLOOR.
- 39. INPUT MODULE END OF LINE RESISTORS ARE BY MANUFACTURER INSTRUCTIONS.
- 40. 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.

- 41. A SMOKE DETECTOR SHALL BE PROVIDED ABOVE ALL FIRE ALARM CONTROL UNITS.
- 42. WALL MOUNT NOTIFICATION DEVICES SHALL BE INSTALLED AT 80" A.F.F. TO THE BOTTOM OF THE BOX.
- MECHANISM.
- SYNCHRONIZED.
- SUPPORTS.
- 46. PROVIDE AUDIBILITY SOUND LEVEL OF 70 dBA THROUGHOUT THE AREA OF WORK.
- 47. CONTRACTOR SHALL COORDINATE WITH ALL OTHER MEP TRADES AND EXISTING CONDITIONS (MECHANICAL/ELECTRICAL/PLUMBING) FOR EXACT LOCATION OF CEILING / WALL MOUNTING OF FIRE ALARM DEVICES.
- 48. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM SPACES FOR SUSPENDED CEILINGS, DETECTORS ABOVE SUSPENDED CEILINGS SHALL CONFORM TO NFPA 72.
- VERIFY EXISTING WIRING.
- ROUTING TO BE VERIFIED BY THE CONTRACTOR. 52. FSC, INC. SHALL BE NOTIFIED OF COMMISSIONING OF THE SYSTEM AND SHALL BE PROVIDED ALL DOCUMENTATION WITH RESPECT TO SYSTEM COMMISSIONING AND AHJ
- ACCEPTANCE. 53. DESIGN IS IN ACCORDANCE WITH CODES AND STANDARDS LISTED AND THE AHJ OF THE STATE OF MISSOURI. a. NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE -
- 2022
- b. UL STANDARD 864 STANDARD FOR CONTROL UNITS AND ACCESSORIES FOR FIRE ALARM SYSTEMS c. UL STANDARD 268 - STANDARD FOR SMOKE DETECTORS FOR FIRE ALARM SYSTEMS d. NEC 70 - NATIONAL ELECTRICAL CODE

- 54. WIRE GUARDS REQUIRED FOR SMOKE DETECTORS / OR NOTIFICATION APPLIANCES SHALL BE U.L LISTED, NON UL-LISTED GUARDS SHALL BE REMOVED AND REPLACED.
- 55. MONITOR AND CONTROL MODULES SHALL BE PROVIDED BY THE CONTRACTOR WHENEVER REQUIRED

- 43. MANUAL PULL STATIONS SHALL BE INSTALLED AT A MINIMUN 42" A.F.F. AND NOT GREATER THAN 48" TO THE OPERATING
- 44. WHERE (2) OR MORE STROBES ARE VISIBLE THEY WILL BE
- 45. ALL NEW REQUIRED CABLING SHALL HAVE INDEPENDENT
- 49. 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.
- 50. 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
- 51. WIRING NOT PROVIDED ON NEW WORK DRAWINGS FOR CLARITY. PLEASE REFER TO DEMO DRAWINGS FOR REFERENCE ASBUILT WIRE ROUTING INFORMATION PROVIDED BY THE OWNER.

SYMBOL	DESCRIPTION
	ADDRESSABLE FIRE ALARM CONTROL PANEL
FACU	12V 7AH BATTERY
NAC	INTELLIGENT NOTIFICATION POWER SUPPLY
ANN	FIRE ALARM ANNUNCIATOR
PAD	FIRE ALARM REMOTE EXTENDER PANEL
[VDU]	VIDEO DISPLAY UNIT WITH LCD MONITOR, KEYBOARD, AND PRINTER
DBOX	FIRE ALARM DOCUMENT BOX
	MANUAL PULL STATION
3	ADDRESSABLE SMOKE DETECTOR
\odot	ADDRESSABLE CARBON MONOXIDE DETECTOR
D(S)	ADDRESSABLE SMOKE DETECTOR
Ð	ADDRESSABLE HEAT DETECTOR
Ô	DUCT SMOKE DETECTOR
RT	REMOTE TEST STATION
MM	DUEL OR SINGLE INPUT MODULE(S)
CM	CONTROL MODULE
J	FIRE ALARM JUNCTION BOX
\succ	FIRE ALARM STROBE
Π	FIRE ALARM HORN / STROBE
B	FIRE ALARM WATERFLOW BELL
	FIRE SPRINKLER RISER
دې ج	WATERFLOW SWITCH
Ŗ	TAMPER SWITCH
	END OF LINE RESISTOR
X#Y	X: NO.OF WIRES , Y: AWG. SIZE

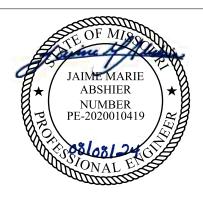
FIRE ALARM SYMBOL

-	IRE ALARM
ABBREVIATION	DESCRIPTION
EX	EXISTING DEVICE
BAS	BUILDING AUTOMATION SYSTEM
R	RELOCATION OF EXISTING DEVICE
С	CEILING MOUNTED DEVICE
WG	END OF LINE
PC	PULL STATION COVER
WP	WEATHERPROOF DEVICE
EP	EXPLOSION PROOF DEVICE
dB	DECIBLE (UNIT FOR SOUND PRESSURE)
LF	LOW FREQUENCY
SB	SOUNDER BASE
НТ	HIGH TEMPERATURE
AHU	AIR HANDLING UNIT
RTU	ROOF TOP UNIT
TVSS	TRANSIENT VOLTAGE SURGE SURPRESSO
UNO	UNLESS NOTED OTHERWISE
NIC	NOT IN CONTRACT
HVLS	HIGH VOLUME LOW SPEED
HVAC	HIGH VOLTAGE AIR CONDITIONER
AFF	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
1410	

WIRE GUARD

WG

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR



REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.



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

DEPARTMENT OF CORRECTIONS

Replace Fire Alarm System, Infrastructure

Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628

PROJECT #	C2405-01
SITE #	7021
ASSET #	932702103

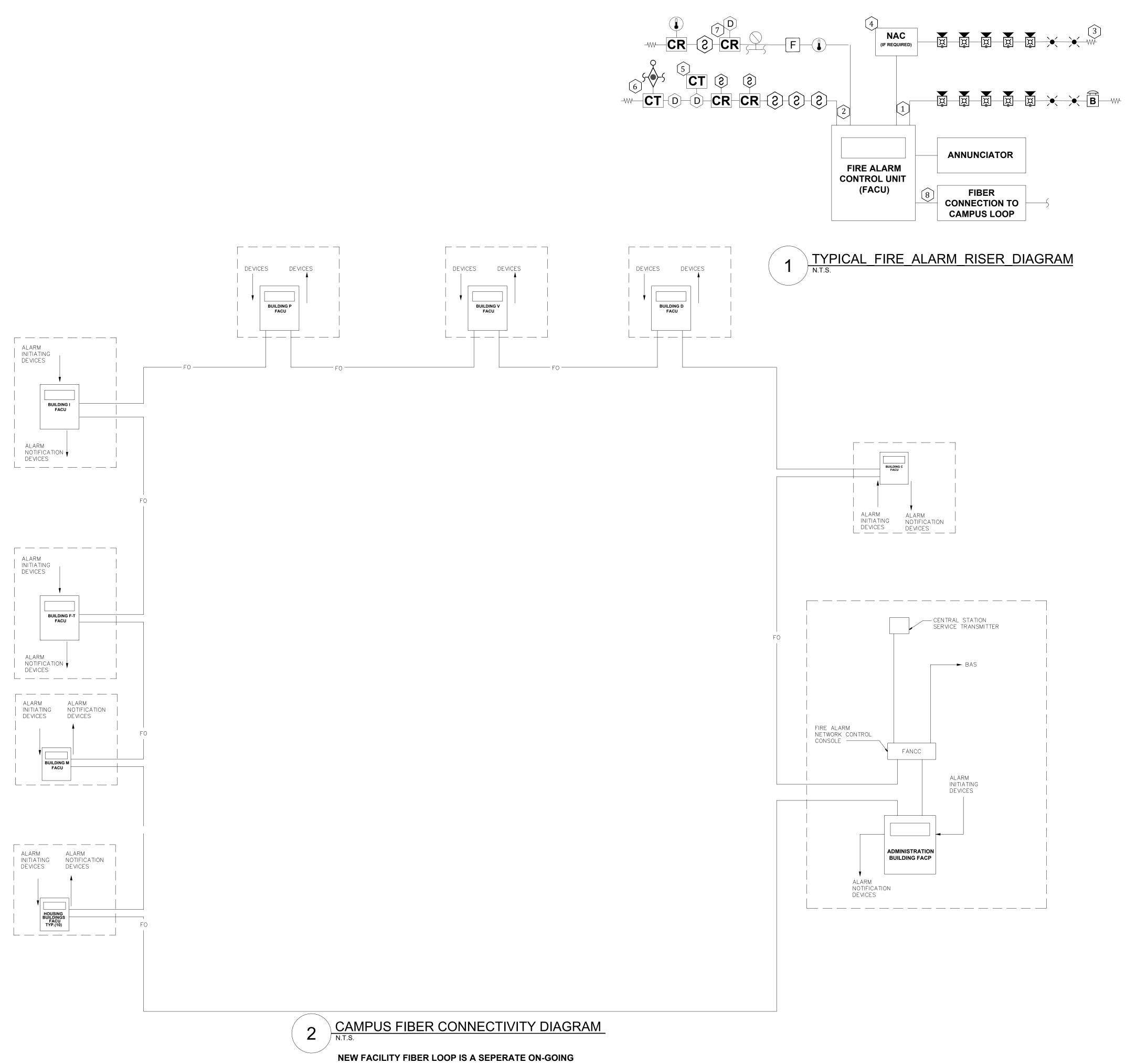
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SHEET TITLE:

FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS

SHEET NUMBER: FA-002

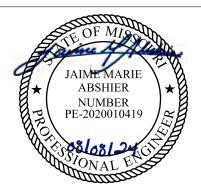


PROJECT. COORDINATE WITH FACILITY STAFF TO VERIFY TIE-IN POINT AT THE TIME OF FIRE ALARM INSTALLATION.

FIRE ALARM RISER KEYED NOTES

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

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR



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DEPARTMENT OF CORRECTIONS

Replace Fire Alarm System, Infrastructure

Eastern Reception, Diagnostic and **Correctional Center** 2727 Highway K Bonne Terre, MO 63628

PROJECT # C2405-01 SITE # ASSET #

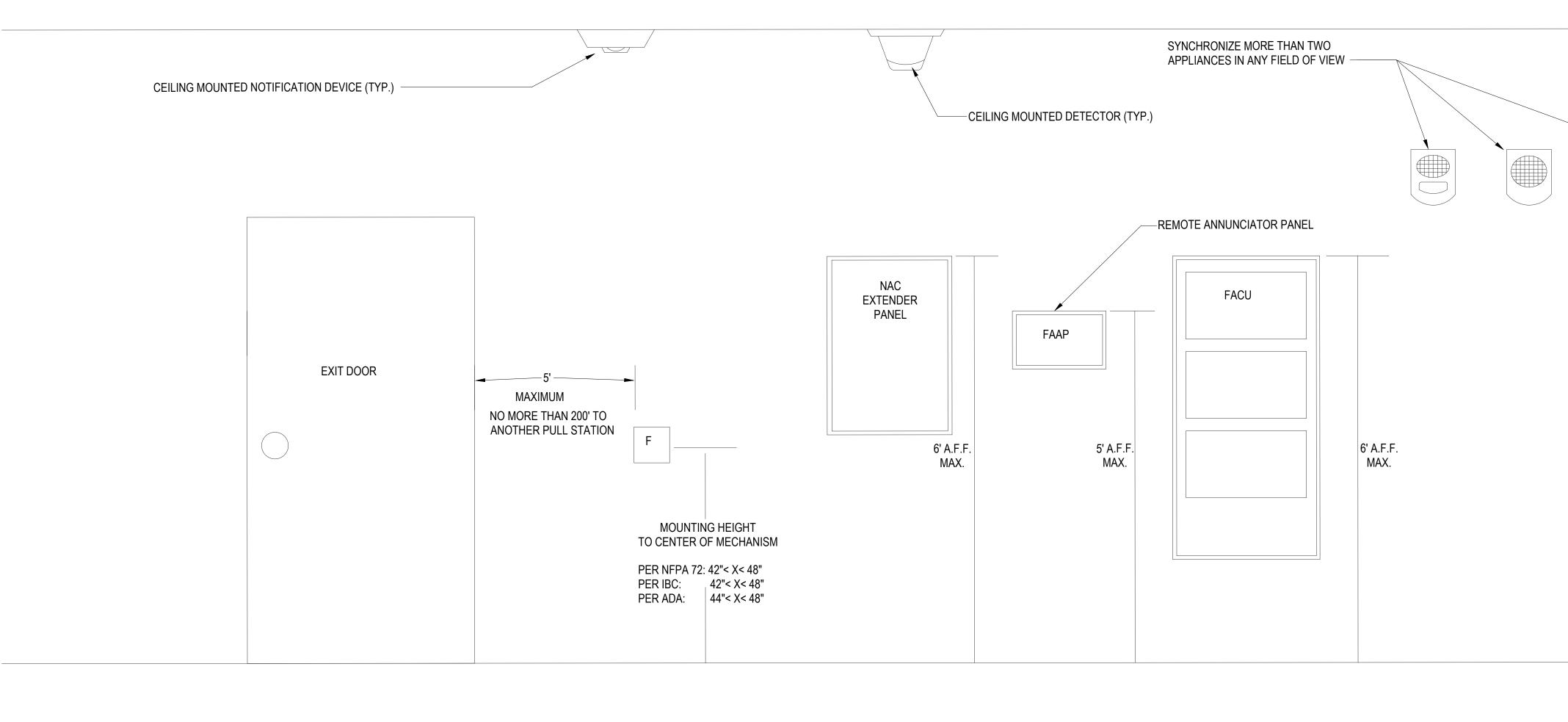
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CAD DWG FILE: <u>C2405-01-FA-FP</u>-004 DRAWN BY: DP CHECKED BY: JMA DESIGNED BY: FSC

SHEET TITLE: FIRE ALARM SCHEMATIC DETAILS

SHEET NUMBER: FA-003



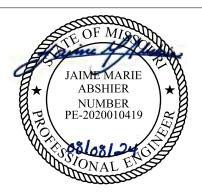


NOTES:

- 1. 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.
- 3. ALL DEVICES AND APPLIANCE HEIGHTS SHOULD BE CONSISTENT FOR THE ENTIRE PROJECT.
- 4. 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.
- 5. 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.

TO CENTER OF LENS OR WITHIN 6" BELOW THE CEILING **OFFICE OF ADMINISTRATION** WHICHEVER IS LOWER **DIVISION OF FACILITIES** MANAGEMENT, **DESIGN AND CONSTRUCTION** DEPARTMENT OF CORRECTIONS Replace Fire Alarm System, Infrastructure WALL-MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE Eastern Reception, Diagnostic and ENTIRE LENS 80" TO 96" A.F.F. Correctional Center 2727 Highway K Bonne Terre, MO 63628 PROJECT # C2405-01 SITE # 7021 9327021031 ASSET # **REVISION:** DATE: **REVISION:** DATE: **REVISION**: DATE: ISSUE DATE: 08/08/2024 CAD DWG FILE:<u>C2405-01-FA-FP</u>-105 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: FSC SHEET TITLE: TYPICAL EQUIPMENT MOUNTING GUIDELINES SHEET NUMBER: FA-004 5 OF 29 SHEETS 08/08/2024

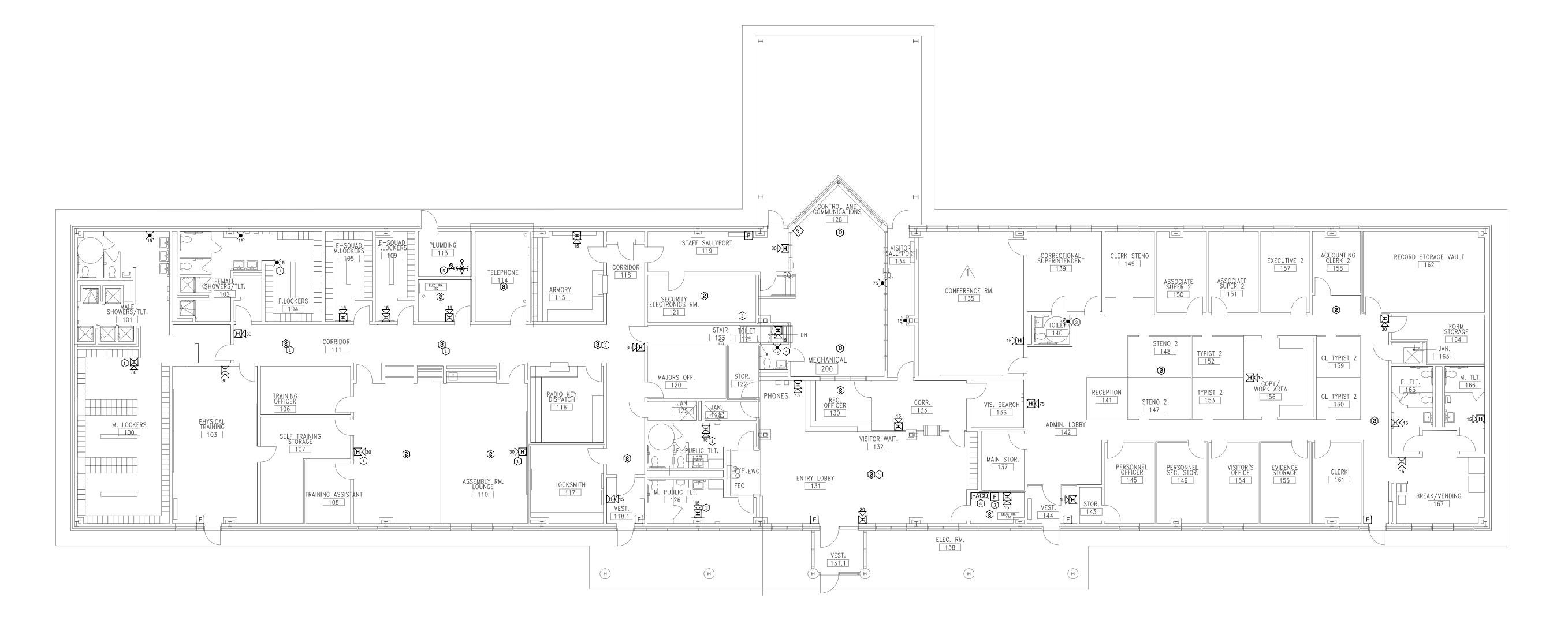
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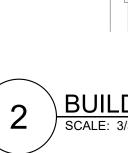
REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.



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

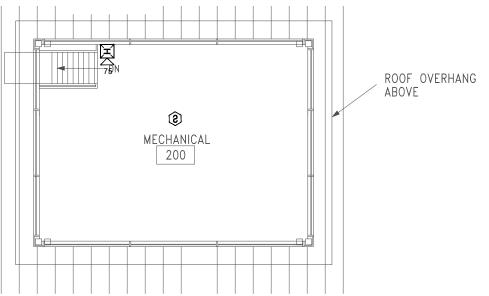


1 BUILI SCALE: 3



BUILDING #A- FIRST FLOOR FIRE ALARM PLAN SCALE: 3/32" = 1'-0"



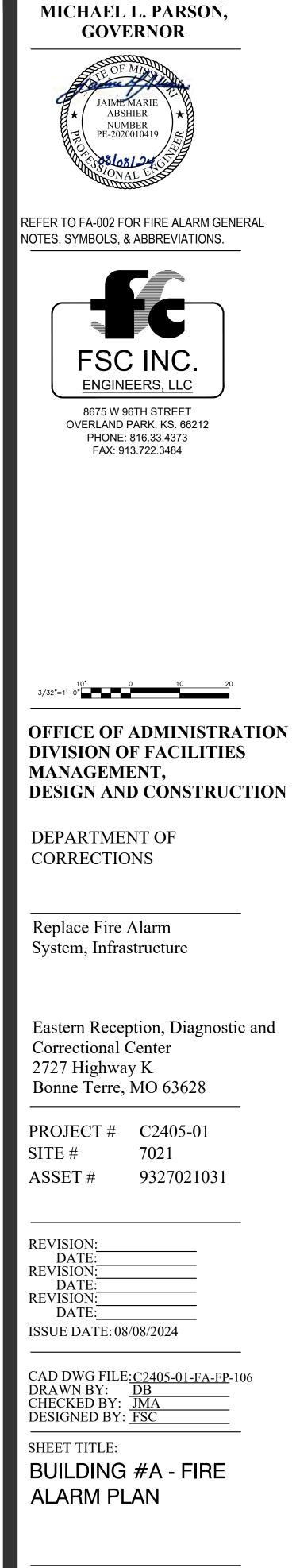


) BUILDING #A- MEZZANINE FLOOR FIRE ALARM PLAN SCALE: 3/32" = 1'-0"



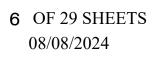
KEY NOTES:

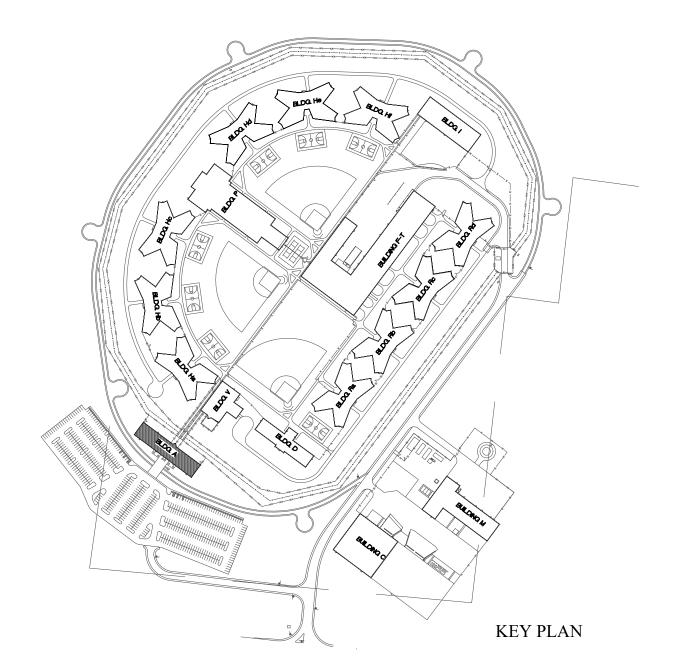
- 1 RELOCATED DEVICE TO MEET COVERAGE REQUIREMENTS OF NFPA 72.
- (2) REQUIRED CONNECTION TO FIBER LOOP / FACU NETWORKING.
- (3) ADDED NOTIFICATION APPLIANCE / INITIATING DEVICES TO MEET THE REQUIREMENTS OF NFPA 72.
- 4
 FACU RELOCATED INSIDE SECURE ROOM.
- 5 CONTRACTOR TO VERIFY QUANTITIES, ASSUMING THIS AS THE ENTRY POINT FOR THE SPRINKLER MAIN INTO THE BUILDING.

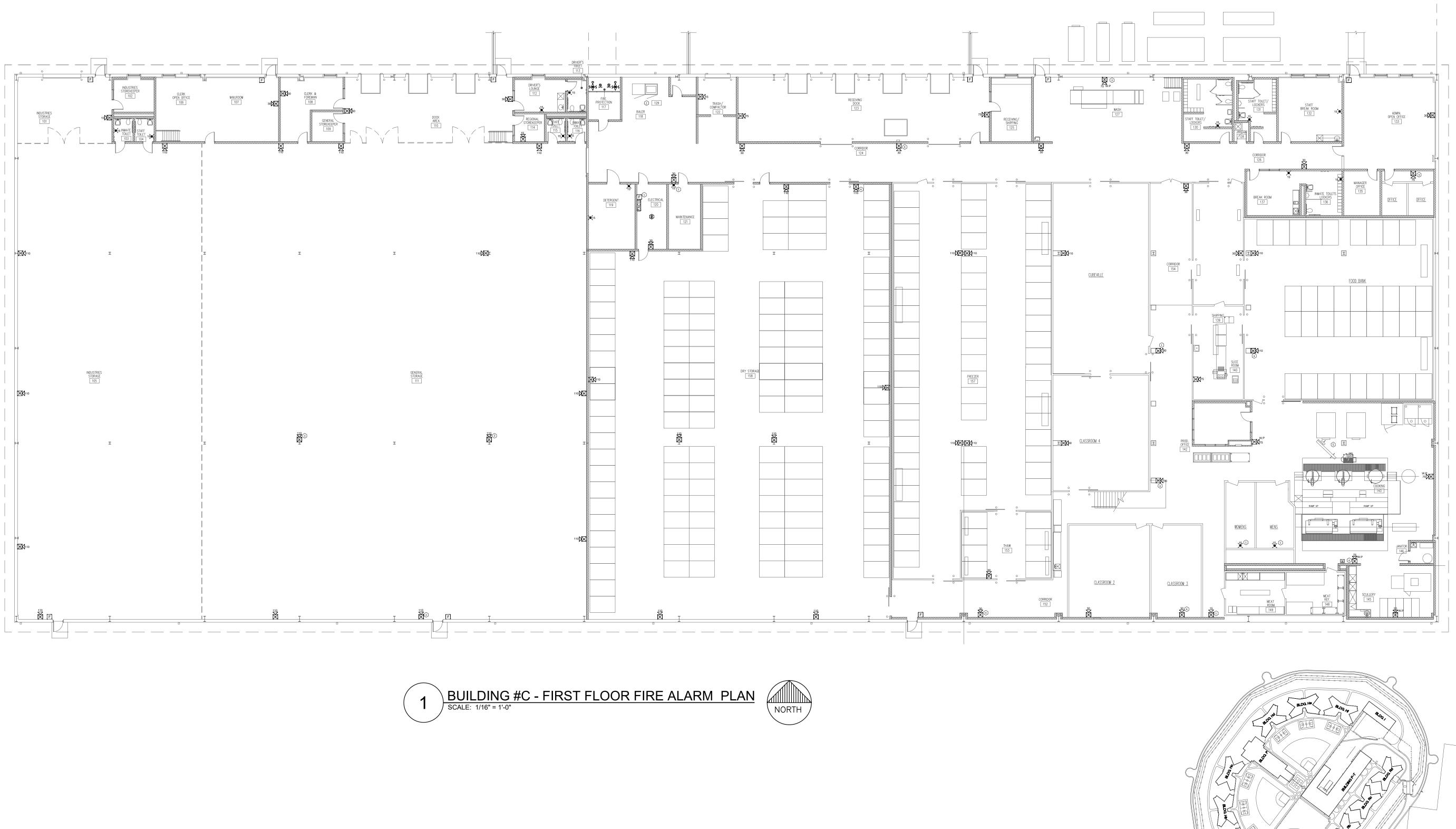


STATE OF MISSOURI

SHEET NUMBER:
FA-100









- KEY NOTES: ADDED NOTIFICATION APPLIANCE / INITIATING DEVICES TO MEET THE REQUIREMENTS OF NFPA 72.
- 2 REQUIRED CONNECTION TO FIBER LOOP / FACU NETWORKING.

(3) STROBE NOTIFICATION DEVICE REPLACED WITH HORN/STROBE DUE TO ENVIRONMENTAL CONDITIONS.

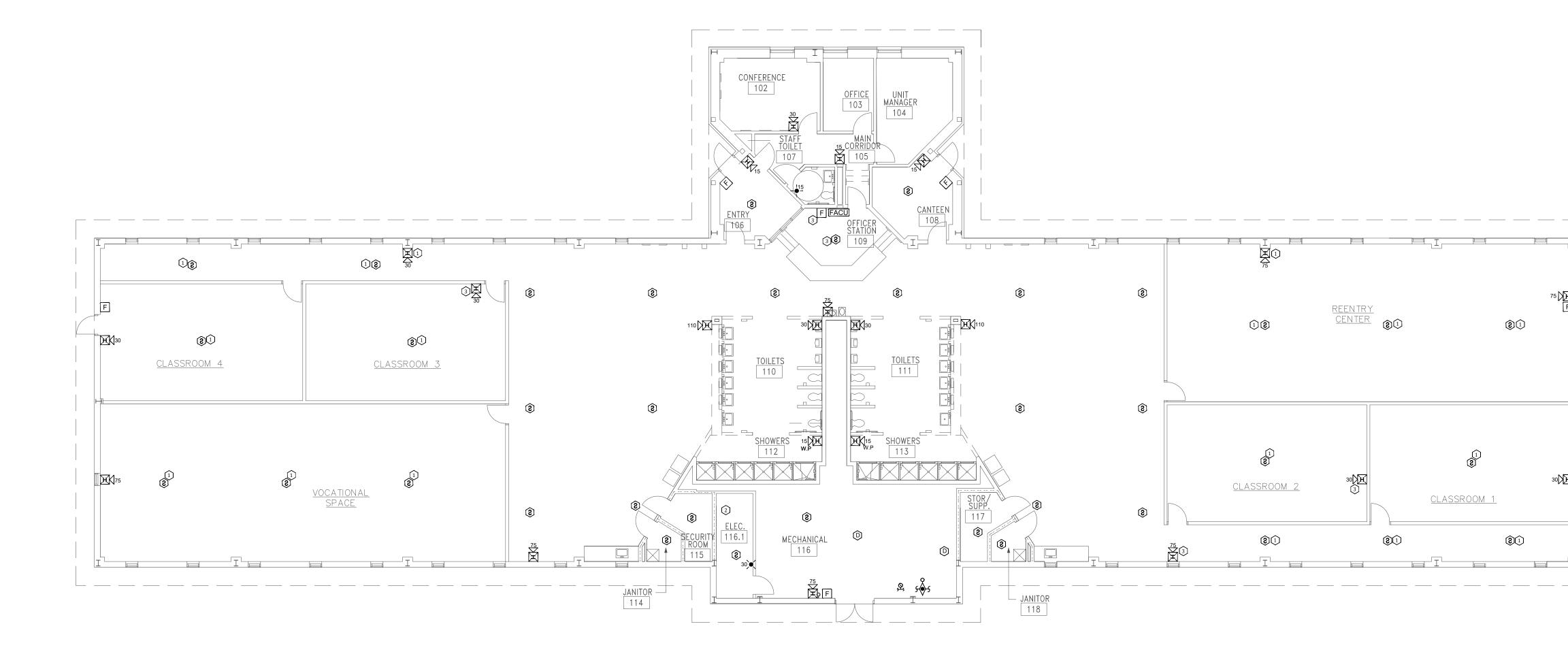
(4) RELOCATED DEVICE TO MEET COVERAGE REQUIREMENTS OF NFPA 72.

5 PROVIDE MODULE AS NECESSARY TO MONITOR KITCHEN HOOD SUPPRESSION SYSTEM(S).

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
JAIME MARIE ABSHIER NUMBER PE-2020010419
REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.
FSCINC. FSCINC. ENGINEERS, LLC S675 W 96TH STREET OVERLAND PARK, KS. 66212 PHONE: 816.33.4373 FAX: 913.722.3484
15' 0 15 30 1/16"=1'-0"
OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF CORRECTIONS
Replace Fire Alarm System, Infrastructure
Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628
PROJECT #C2405-01SITE #7021ASSET #9327021031
REVISION: DATE: REVISION: DATE: REVISION: DATE: DATE: ISSUE DATE: 08/08/2024
CAD DWG FILE <u>:C2405-01-FA-FP</u> -107 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>
SHEET TITLE: BUILDING #C - FIRE ALARM PLAN
SHEET NUMBER: FA-200

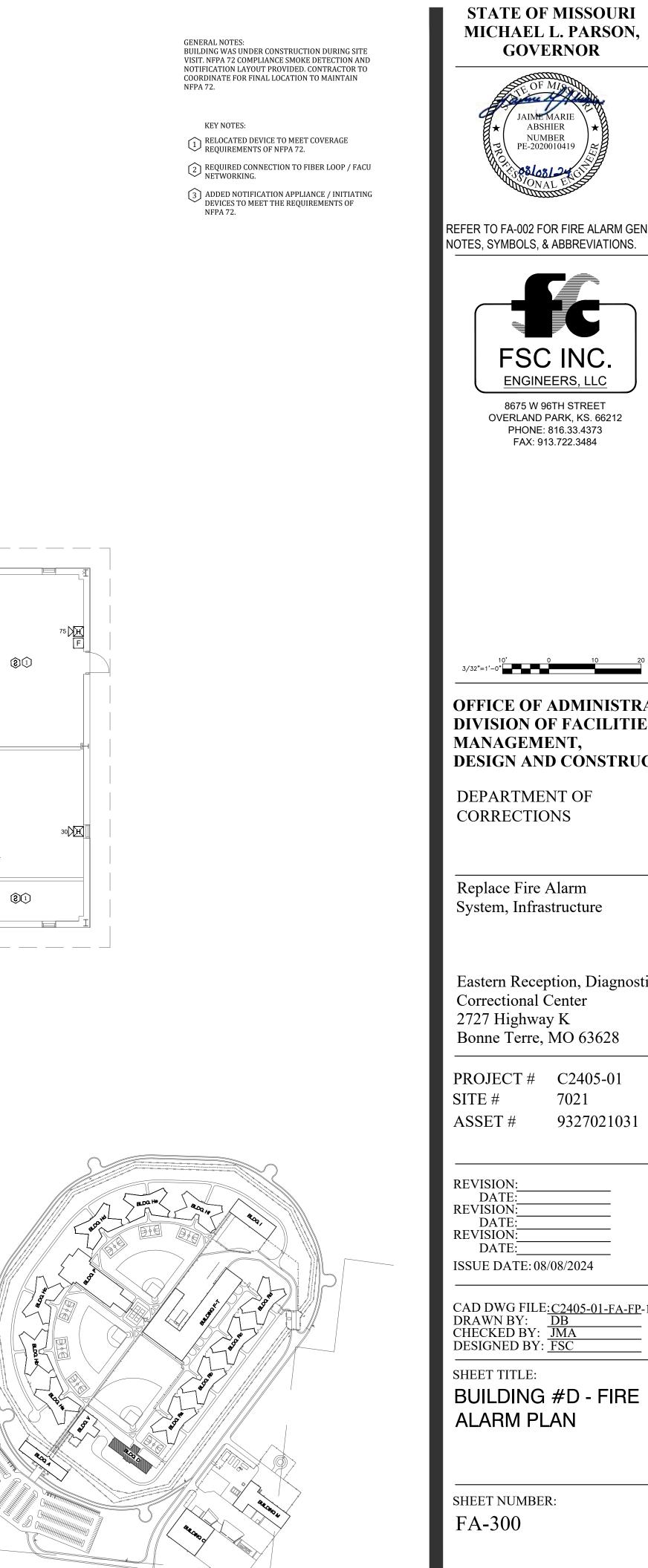
7 OF 29 SHEETS 08/08/2024

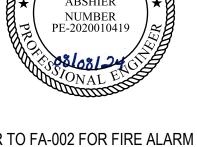
KEY PLAN



BUILDING #D - FIRE ALARM PLAN SCALE: 3/32" = 1'-0"







REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.



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



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

DEPARTMENT OF CORRECTIONS

Replace Fire Alarm System, Infrastructure

Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628

PROJECT # C2405-01

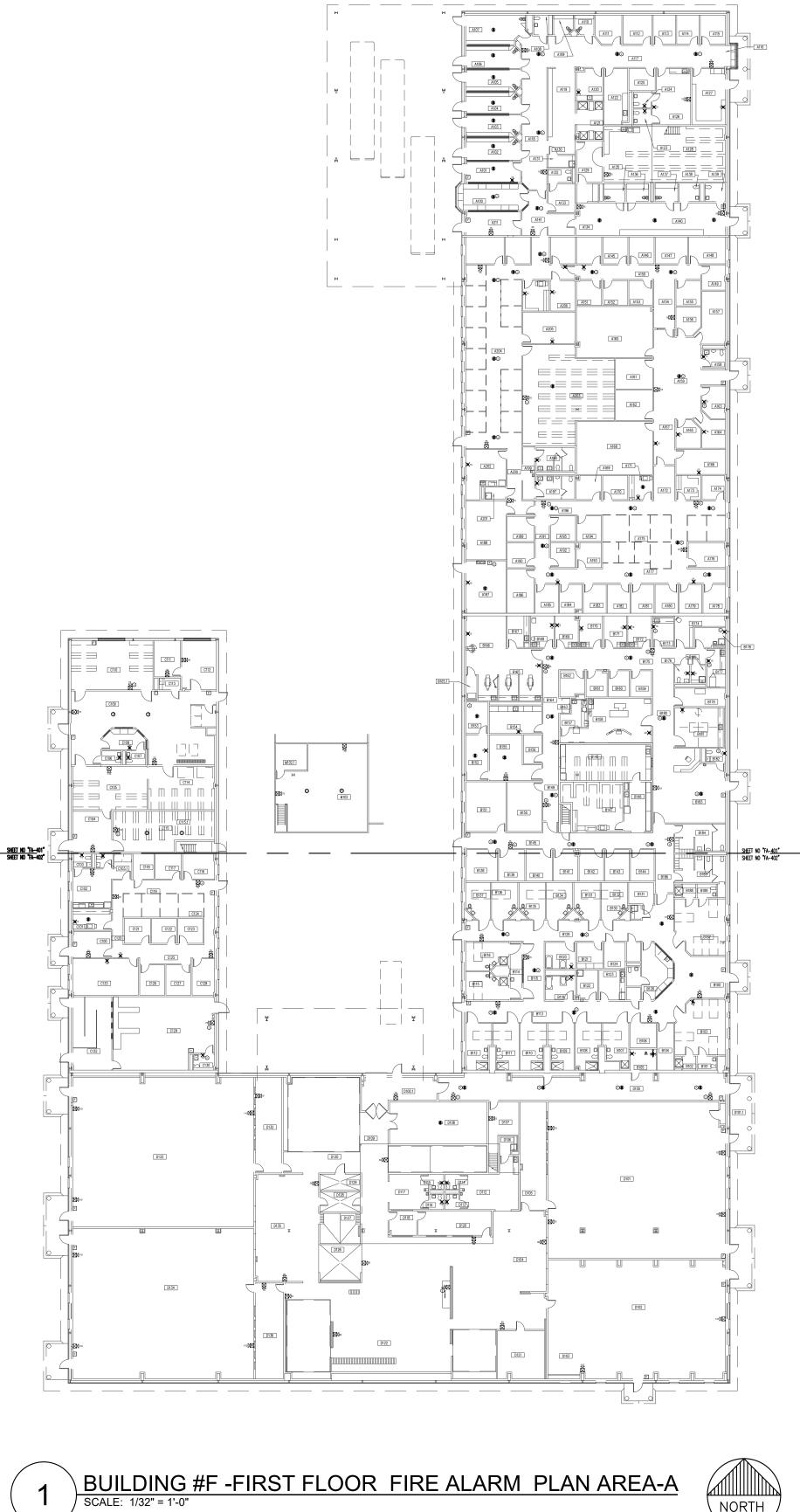
7021 9327021031

REVISION:
DATE:
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REVISION:
DATE:
ISSUE DATE: 08/08/2024

CAD DWG FILE:<u>C2405-01-FA-FP</u>-108 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>

BUILDING #D - FIRE ALARM PLAN

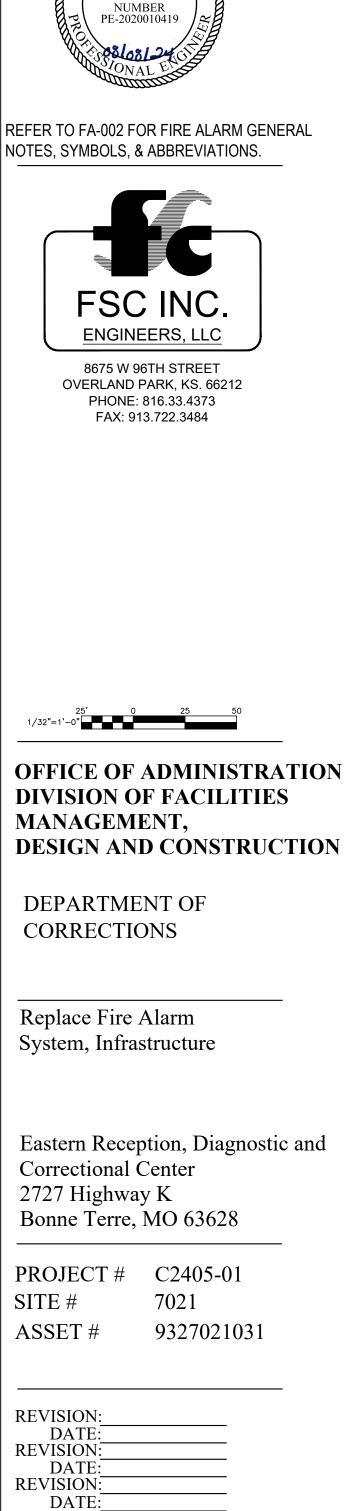
SHEET NUMBER:





KEY NOTES:

- 1 RELOCATED DEVICE TO MEET COVERAGE REQUIREMENTS OF NFPA 72.
- 2 REQUIRED CONNECTION TO FIBER LOOP / FACU NETWORKING.
- (3) ADDED NOTIFICATION APPLIANCE / INITIATING DEVICES TO MEET THE REQUIREMENTS OF NFPA
- 4 STROBE NOTIFICATION DEVICE REPLACED WITH HORN/STROBE DUE TO ENVIRONMENTAL CONDITIONS.
- 5 CONTRACTOR TO CONFIRM EXACT LOCATIONS FOR NOTIFICATION DEVICES AND DUCT DETECTORS ON SITE.



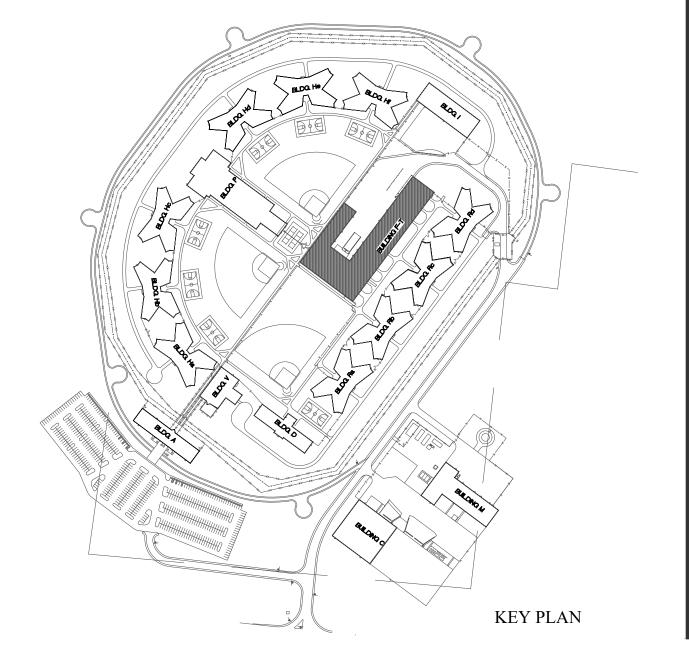
ISSUE DATE: 08/08/2024

CAD DWG FILE:<u>C2405-01-FA-FP</u>-109 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>

SHEET TITLE: BUILDING #F - FIRE ALARM PLAN

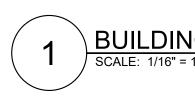
SHEET NUMBER: FA-400

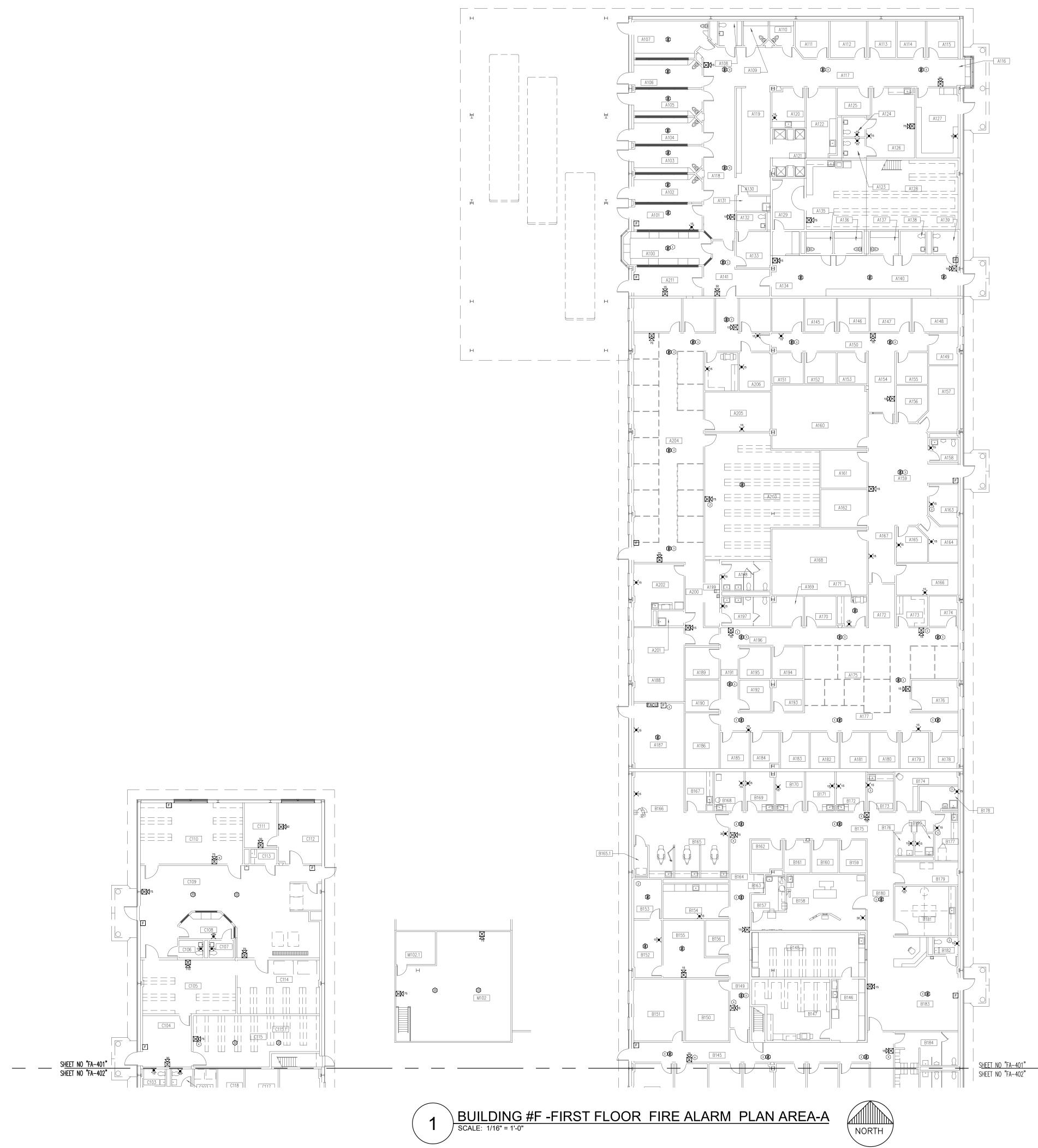
9 OF 29 SHEETS 08/08/2024



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR

> AIME MARI ABSHIER











KEY NOTES:	STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
REQUIREMENTS OF NFPA 72.	
2 REQUIRED CONNECTION TO FIBER LOOP / FACU NETWORKING.	OF MISSION

AIME MAR ABSHIER

NUMBER

PE-2020010419

REFER TO FA-002 FOR FIRE ALARM GENERAL

FSC INC.

ENGINEERS, LLC

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

FAX: 913.722.3484

1/16"=

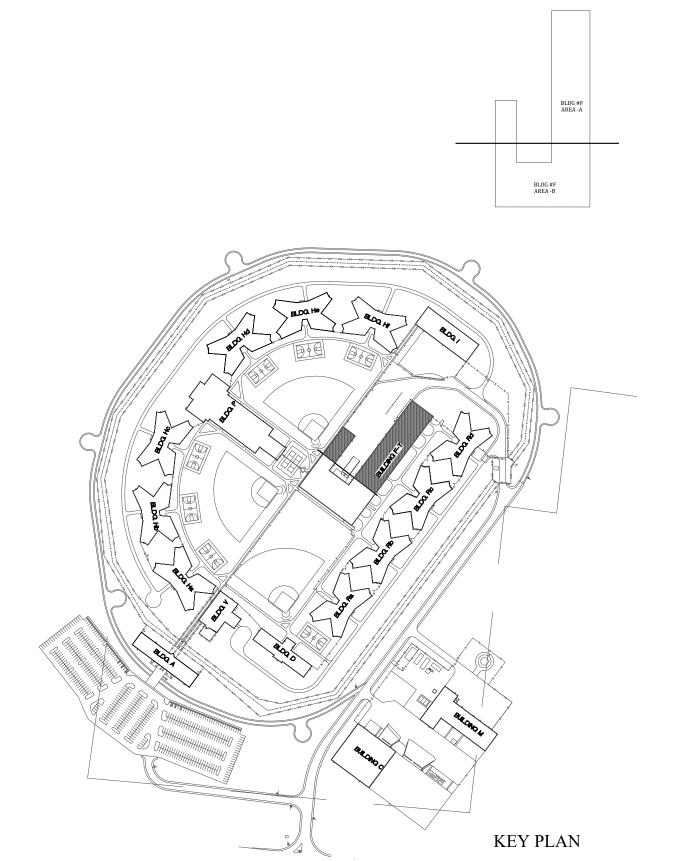
NOTES, SYMBOLS, & ABBREVIATIONS.

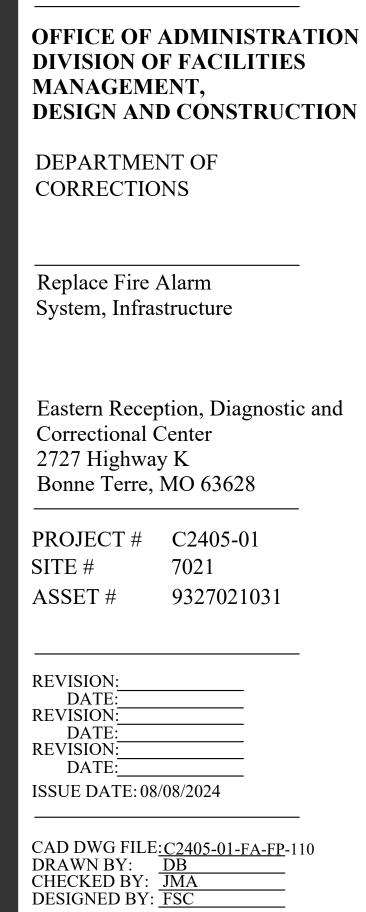
CONDITIONS.

(3) ADDED NOTIFICATION APPLIANCE / INITIATING DEVICES TO MEET THE REQUIREMENTS OF NFPA

4 STROBE NOTIFICATION DEVICE REPLACED WITH HORN/STROBE DUE TO ENVIRONMENTAL

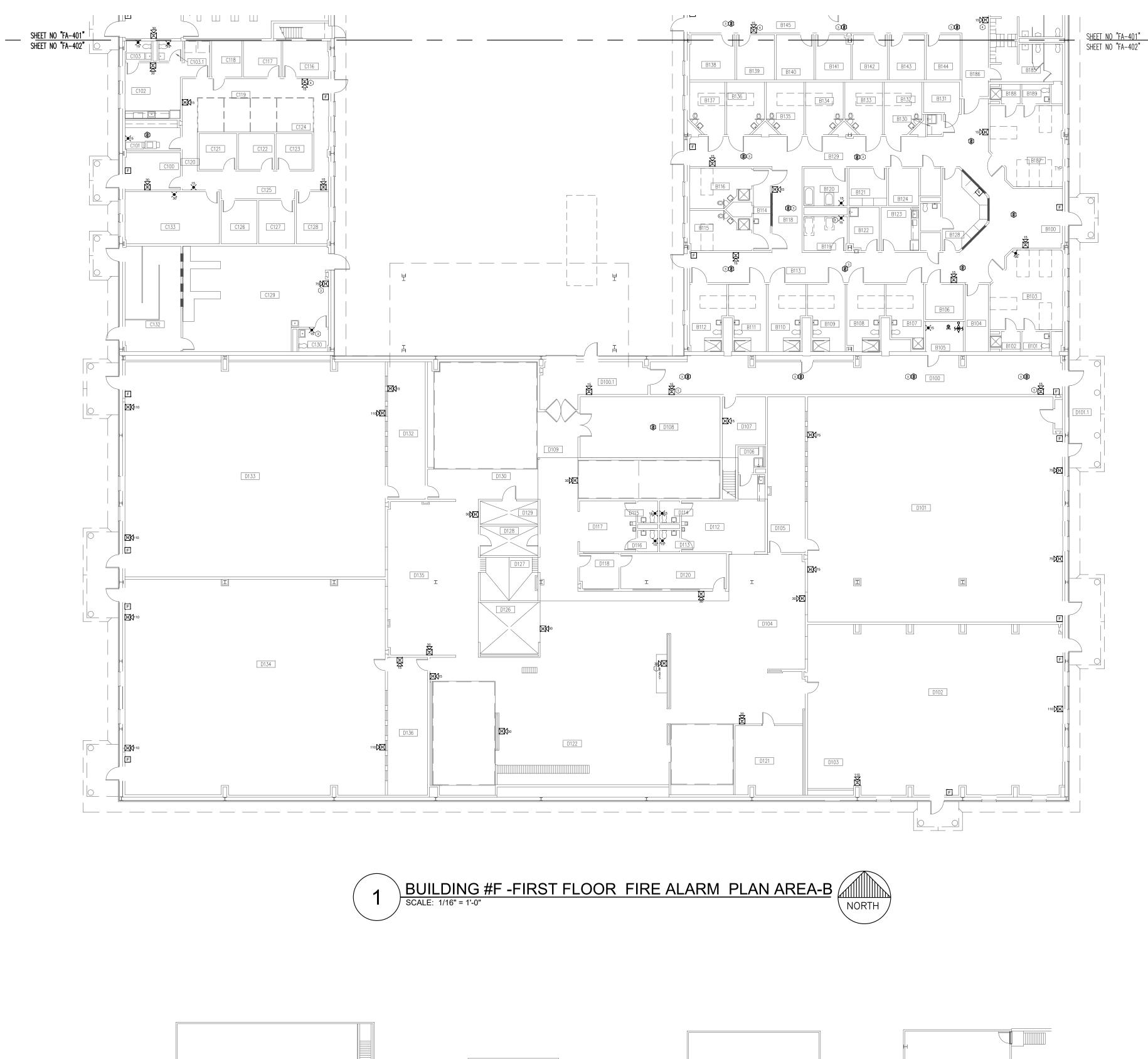
5 CONTRACTOR TO CONFIRM EXACT LOCATIONS FOR NOTIFICATION DEVICES AND DUCT DETECTORS ON SITE.

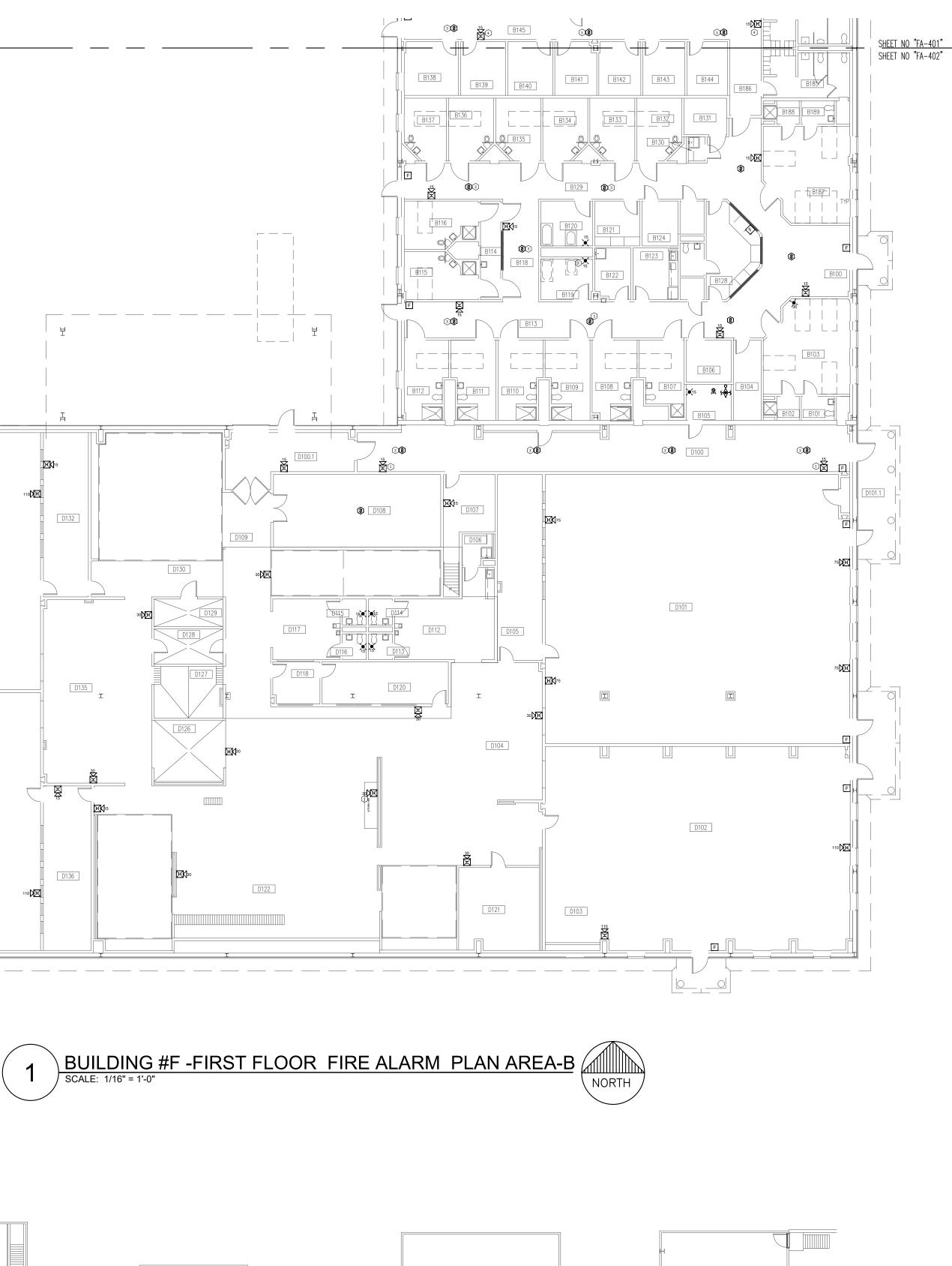




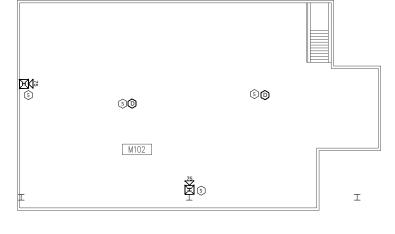
SHEET TITLE: BUILDING #F - FIRE ALARM PLAN PART #1

SHEET NUMBER: FA-401





M102





M103





M101

KEY NOTES:	STATE OF MISSOURI
(1) RELOCATED DEVICE TO MEET COVERAGE	MICHAEL L. PARSON,
REQUIREMENTS OF NFPA 72.	GOVERNOR
 REQUIREMENTS OF NFPA 72. REQUIRED CONNECTION TO FIBER LOOP / FACU NETWORKING. 	OF MISSON

JAIME MARIE

ABSHIER NUMBER

PE-2020010419

REFER TO FA-002 FOR FIRE ALARM GENERAL

FSC INC.

ENGINEERS, LLC

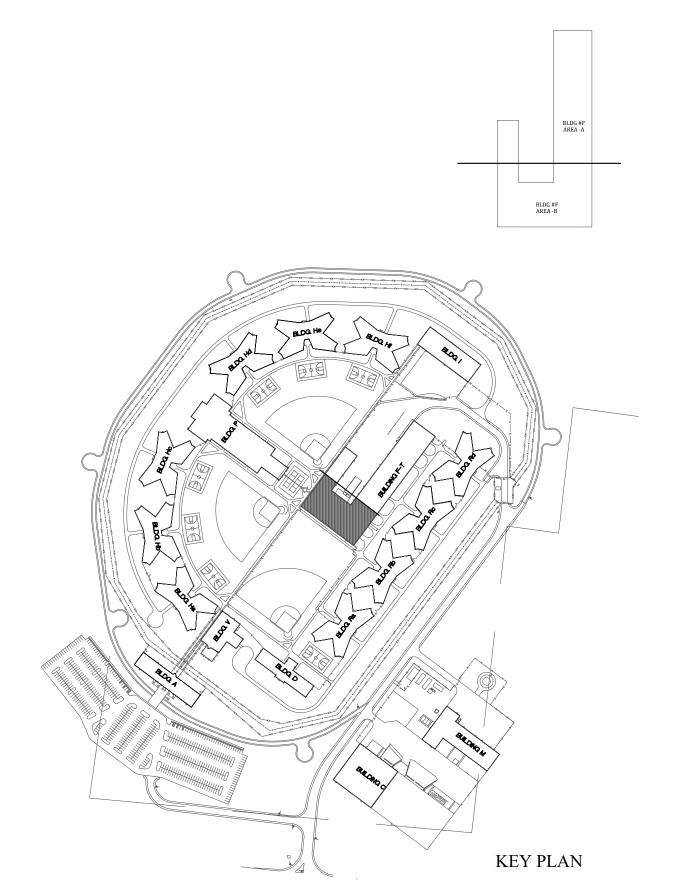
8675 W 96TH STREET OVERLAND PARK, KS. 66212 PHONE: 816.33.4373 FAX: 913.722.3484

NOTES, SYMBOLS, & ABBREVIATIONS.

(3) ADDED NOTIFICATION APPLIANCE / INITIATING DEVICES TO MEET THE REQUIREMENTS OF NFPA

4 STROBE NOTIFICATION DEVICE REPLACED WITH HORN/STROBE DUE TO ENVIRONMENTAL CONDITIONS.

5 CONTRACTOR TO CONFIRM EXACT LOCATIONS FOR NOTIFICATION DEVICES AND DUCT DETECTORS ON SITE.



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

DEPARTMENT OF CORRECTIONS

1/16"=

Replace Fire Alarm System, Infrastructure

Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628

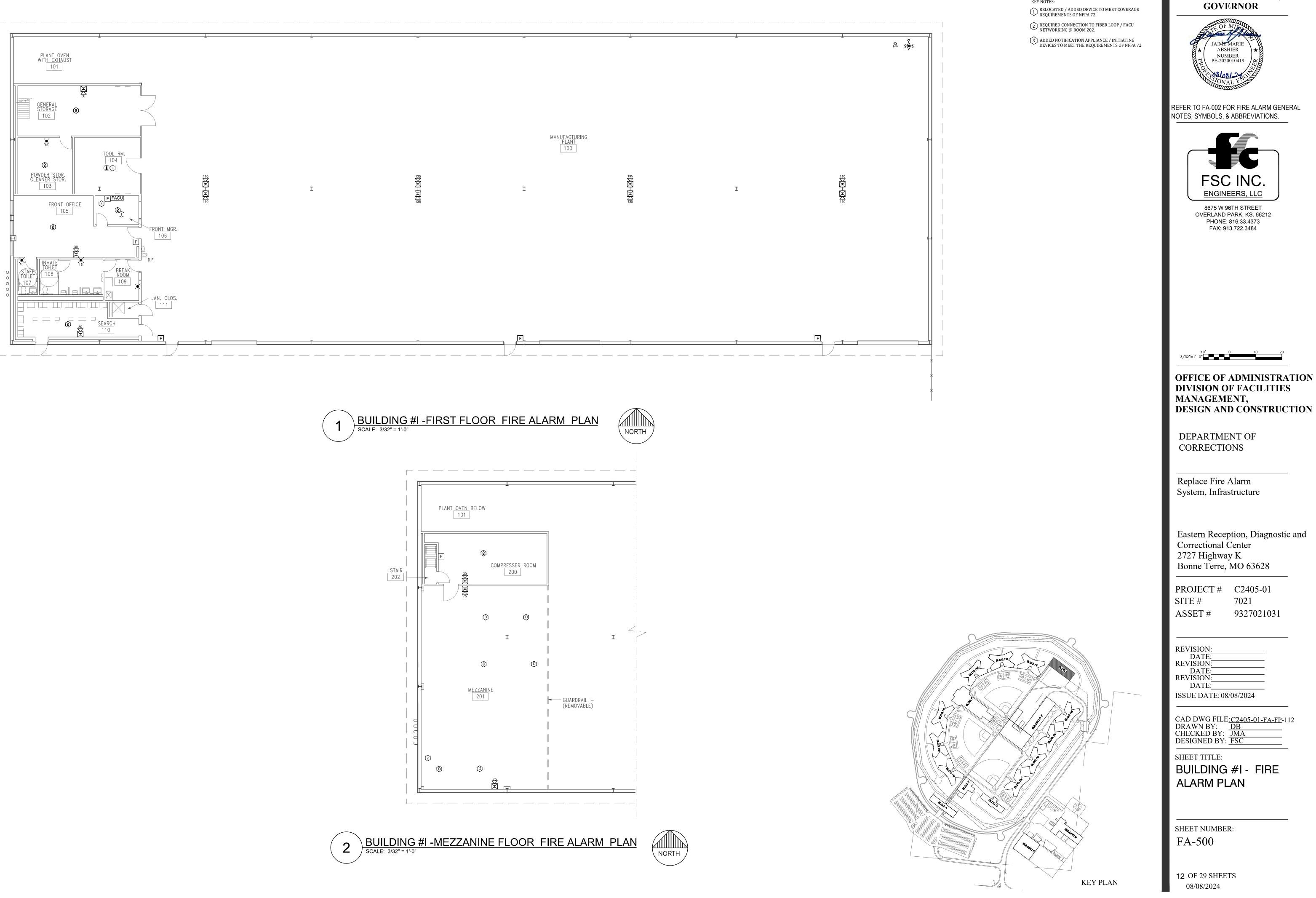
PROJECT # C2405-01 7021 SITE # ASSET # 9327021031

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 08/08/2024

CAD DWG FILE:<u>C2405-01-FA-FP</u>-111 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>

SHEET TITLE: BUILDING #F - FIRE ALARM PLAN PART #2

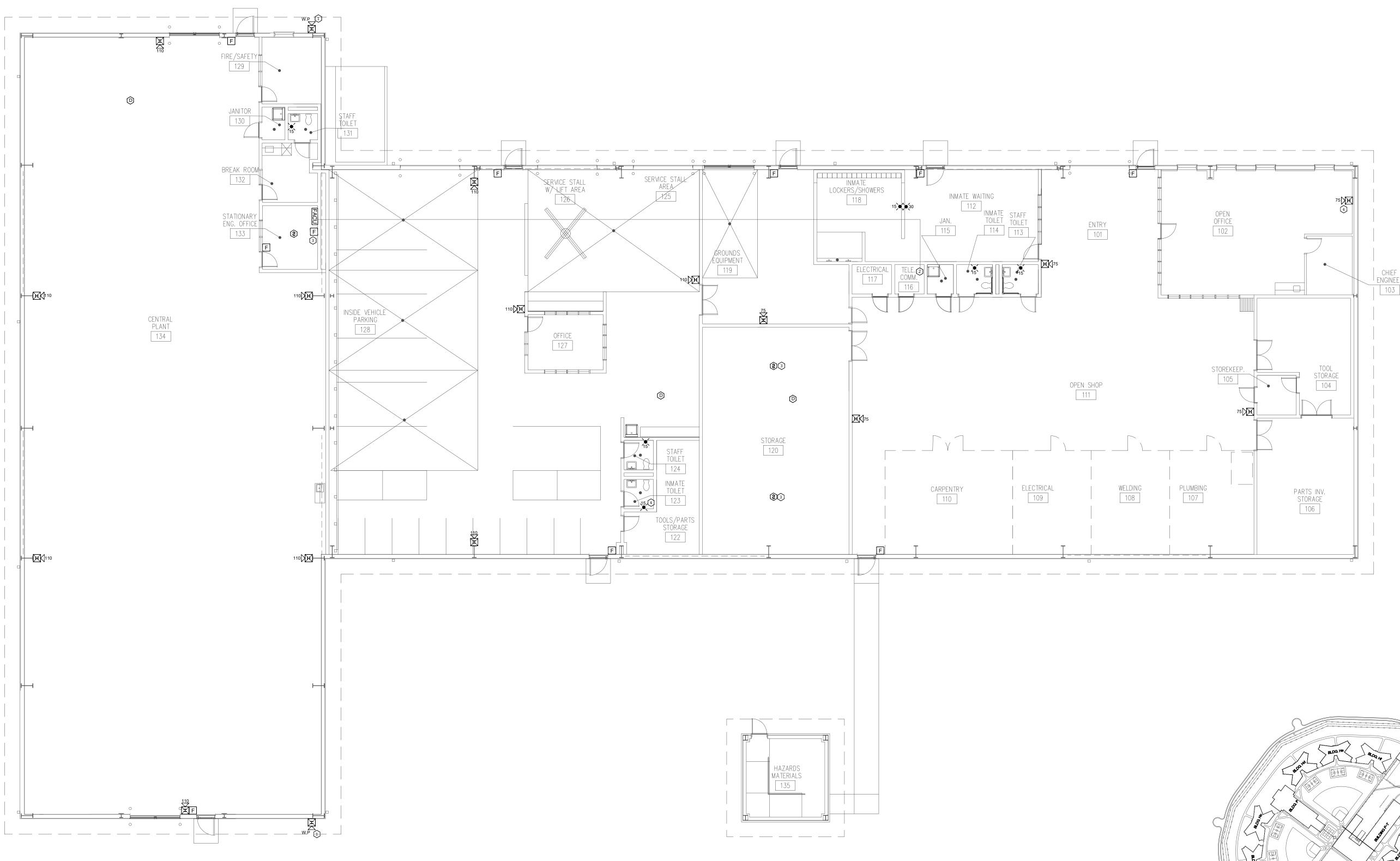
SHEET NUMBER: FA-402



STATE OF MISSOURI MICHAEL L. PARSON,

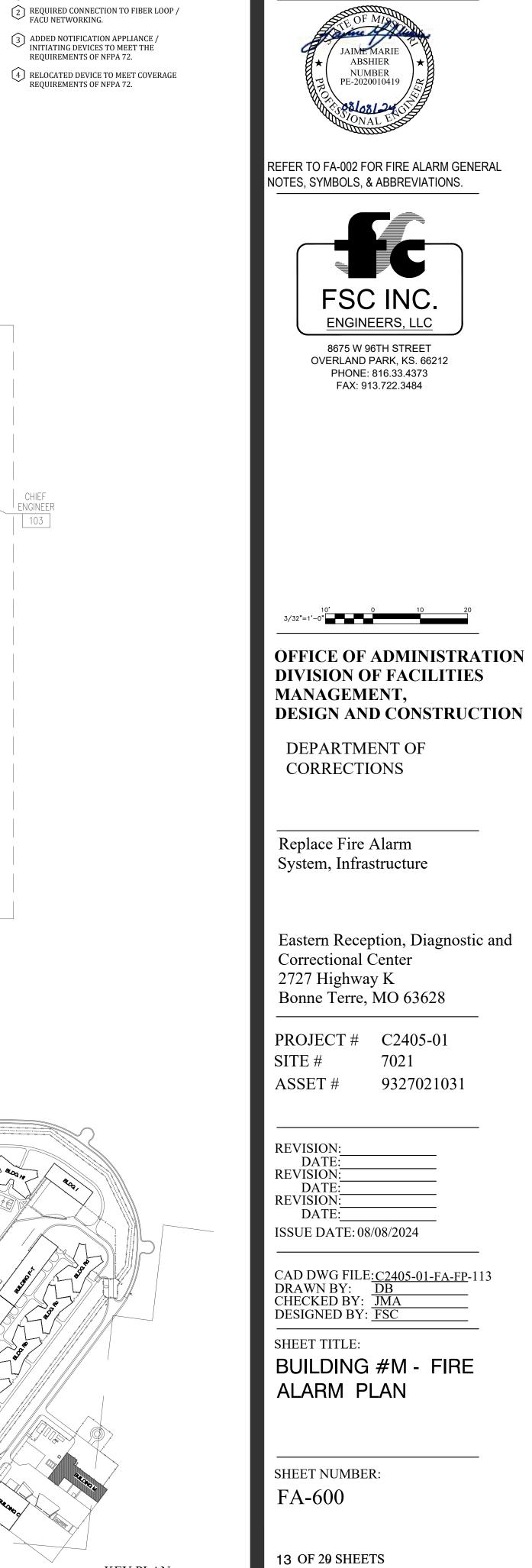
KEY NOTES:





BUILDING #M - FIRE ALARM PLAN SCALE: 3/32" = 1'-0"

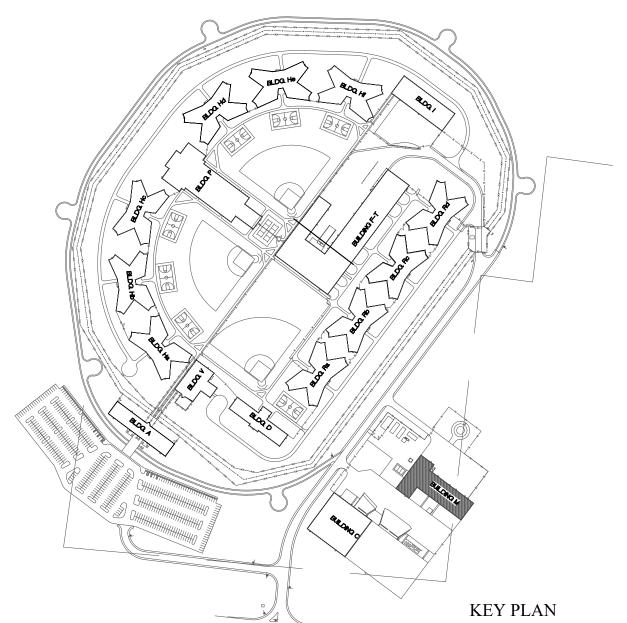




08/08/2024

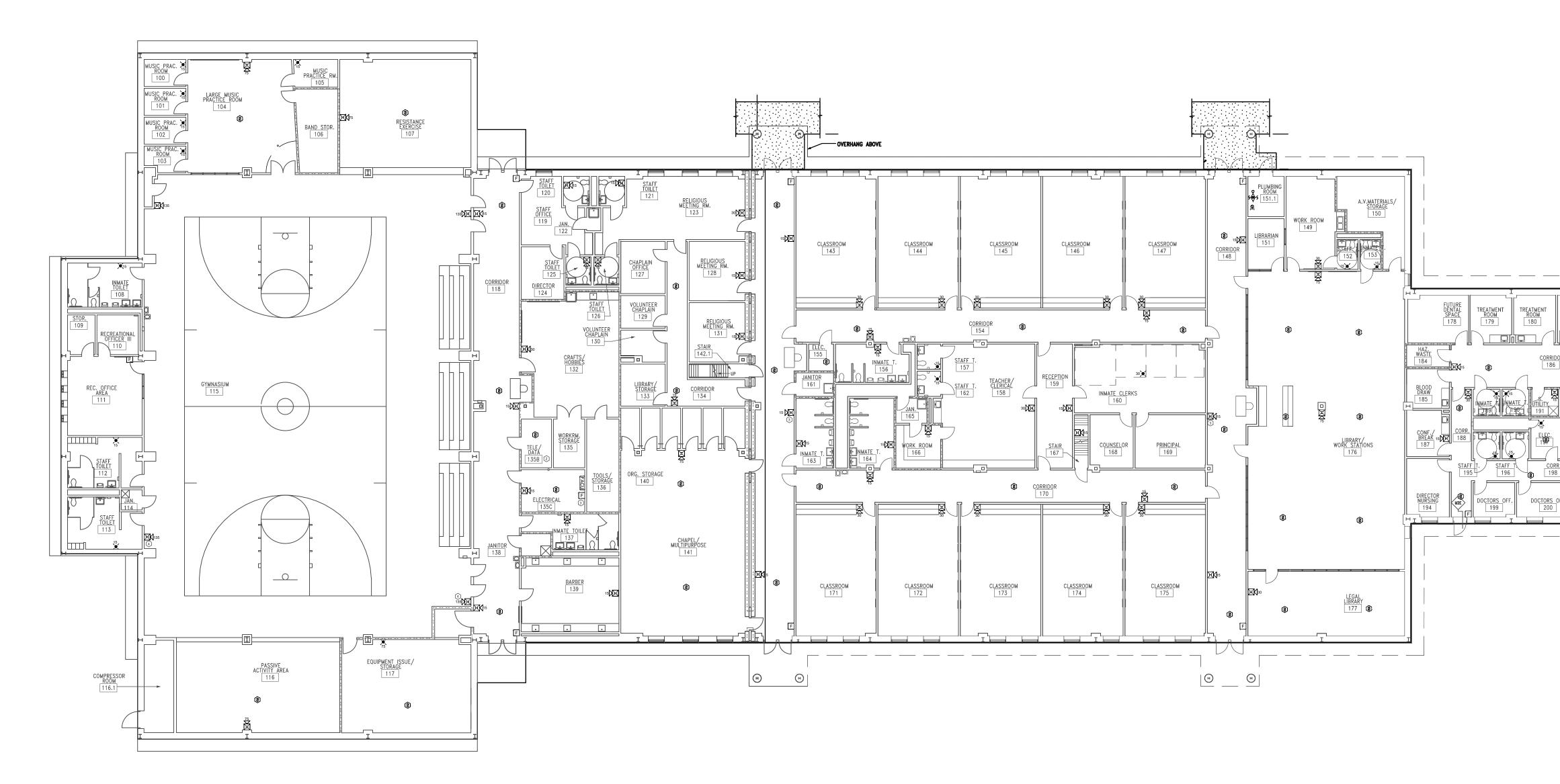
STATE OF MISSOURI MICHAEL L. PARSON,

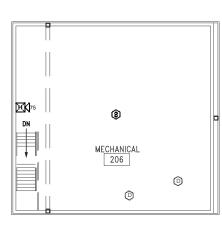
GOVERNOR

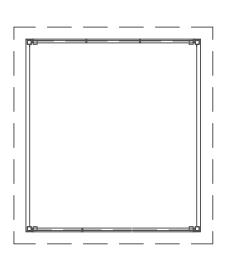


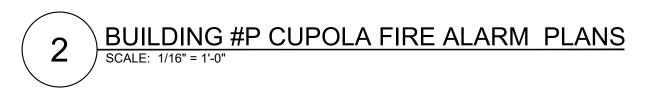
KEY NOTES:

1 OUTDOOR HORN / STROBE.



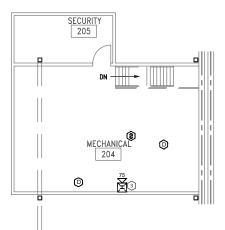


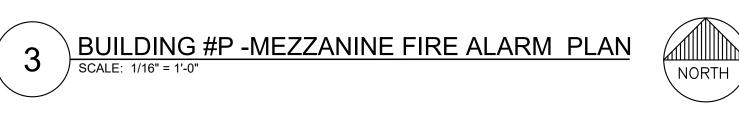


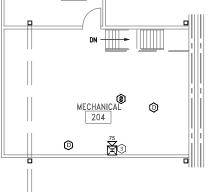












KEY NOTES:

TREATMENT ROOM 180

199

STAFF T. CORR. 196 **(3)** 198

DOCTORS OFF

CORRIDOF

TREATMENT ROOM 181

CLERKS/ COPY 201

TRIAG

(2)

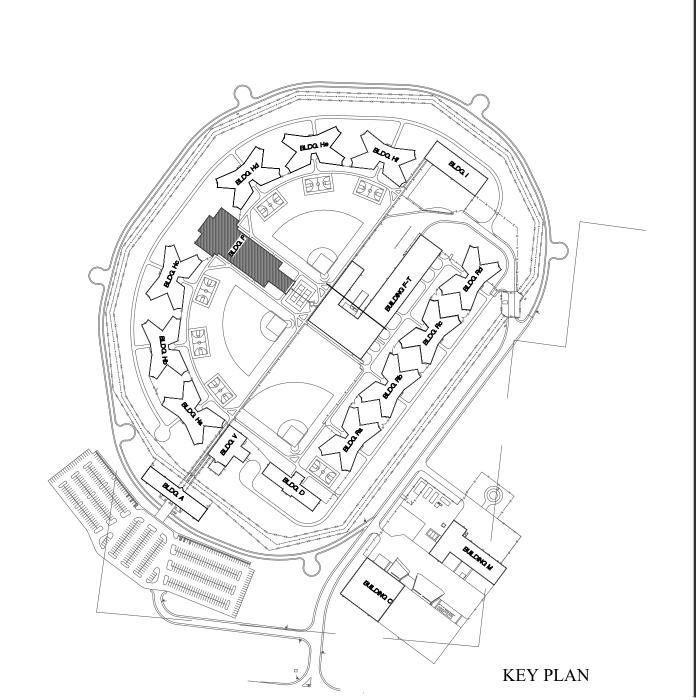
۳N°

30 **)<u>H</u>**

RECEPTION/ WAITING 202

RECORDS 3

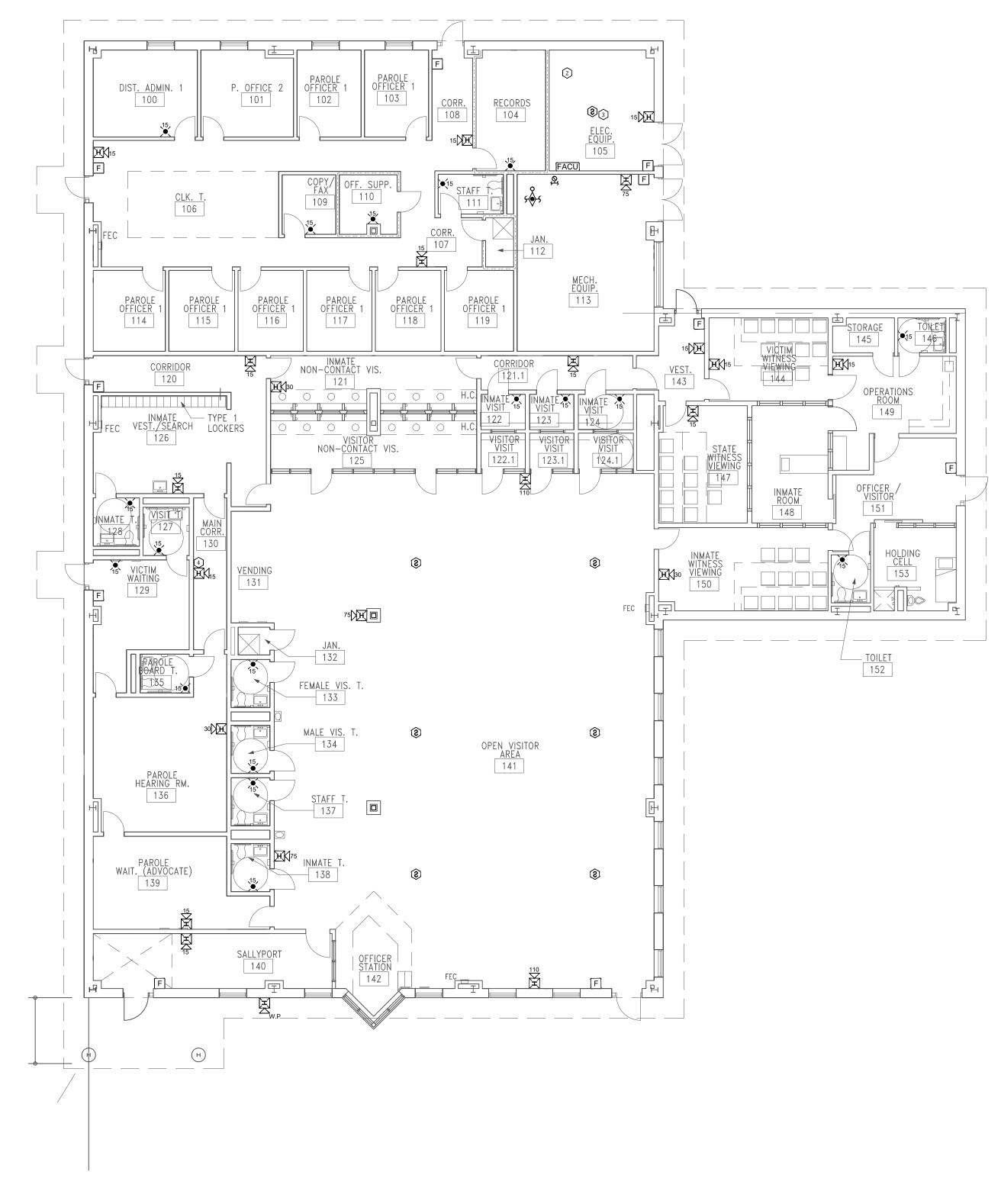
- 1 RELOCATED / ADDED DEVICE TO MEET COVERAGE REQUIREMENTS OF NFPA 72.
- 2 REQUIRED CONNECTION TO FIBER LOOP / FACU NETWORKING.
- 3 ADDED NOTIFICATION APPLIANCE / INITIATING DEVICES TO MEET THE REQUIREMENTS OF NFPA 72.
- (4) UL LISTED GUARDS TO BE PROVIDED FOR THE NOTIFICATION DEVICES IN GYM AREA.



OF MISSIE
JAIME MARIE ABSHIER
NUMBER PE-2020010419
Conductorial Condu
REFER TO FA-002 FOR FIRE ALARM GENERAL
NOTES, SYMBOLS, & ABBREVIATIONS.
FSC INC.
ENGINEERS, LLC
8675 W 96TH STREET OVERLAND PARK, KS. 66212
PHONE: 816.33.4373 FAX: 913.722.3484
15' 0 15 30 1/16"=1'-0"
OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF CORRECTIONS
CONTRECTIONS
Replace Fire Alarm
System, Infrastructure
Eastern Reception, Diagnostic and
Correctional Center
2727 Highway K Bonne Terre, MO 63628
PROJECT # C2405-01
SITE # 7021
ASSET # 9327021031
REVISION: DATE:
REVISION: DATE:
REVISION: DATE:
ISSUE DATE: 08/08/2024
CAD DWG FILE <u>:C2405-01-FA-FP</u> -114 DRAWN BY: DB
CHECKED BY: JMA DESIGNED BY: FSC
SHEET TITLE:
BUILDING #P - FIRE
ALARM PLAN
SHEET NUMBER:
FA-700

STATE OF MISSOURI MICHAEL L. PARSON,

GOVERNOR



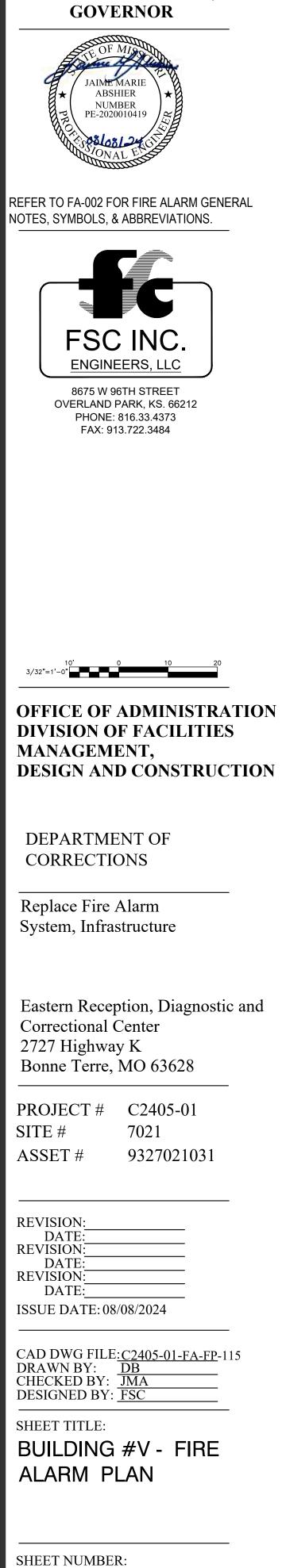
1 BUILDIN SCALE: 3/32" =

BUILDING #V - FIRE ALARM PLAN SCALE: 3/32" = 1'-0"

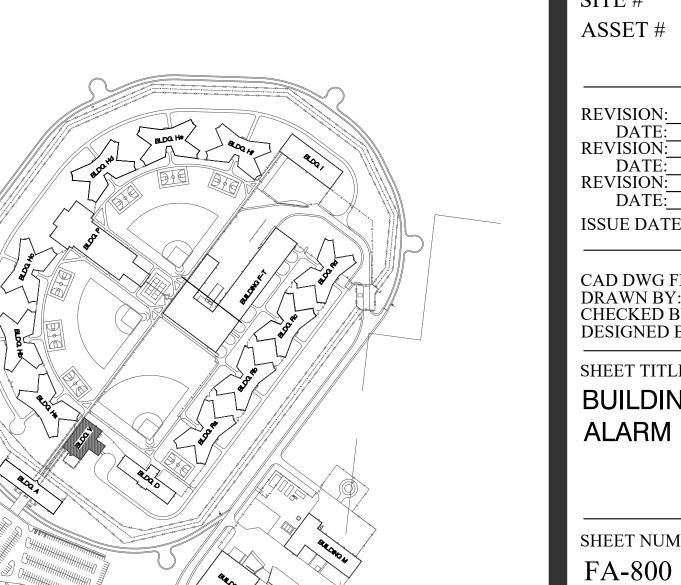


KEY NOTES:

- 1 RELOCATED / ADDED DEVICE TO MEET COVERAGE REQUIREMENTS OF NFPA 72.
- 2 REQUIRED CONNECTION TO FIBER LOOP / FACU NETWORKING.
- (3) ADDED NOTIFICATION APPLIANCE / INITIATING DEVICES TO MEET THE REQUIREMENTS OF NFPA 72.
- 4 STROBE NOTIFICATION DEVICE REPLACED WITH HORN/STROBE DUE TO ENVIRONMENTAL CONDITIONS.

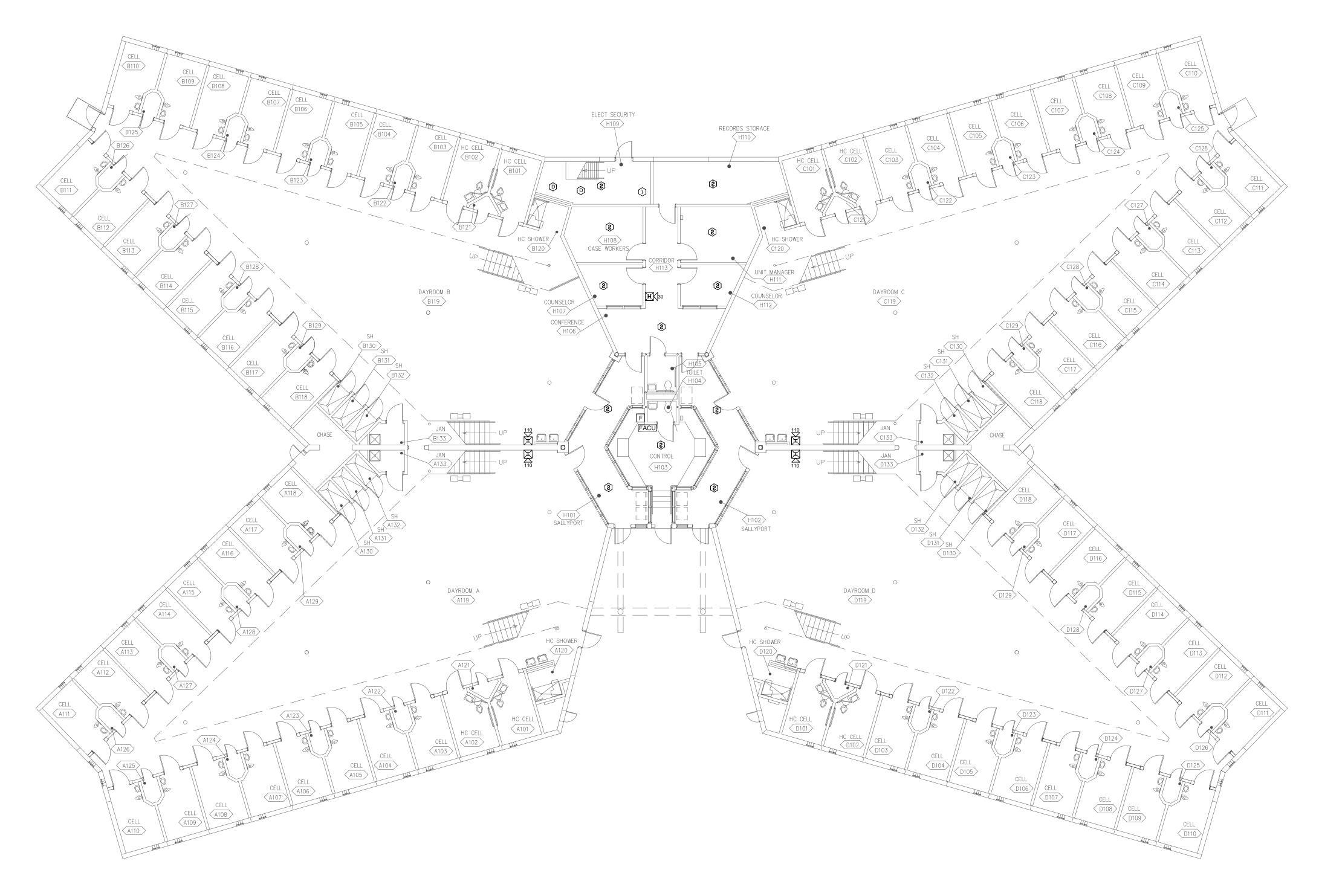


STATE OF MISSOURI MICHAEL L. PARSON,



15 OF 29 SHEETS

08/08/2024





STANDARD HOUSING LEVEL 1 - FIRE ALARM PLAN SCALE: 3/32" = 1'-0"









REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.



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

DEPARTMENT OF CORRECTIONS

Replace Fire Alarm System, Infrastructure

Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628

PROJECT # C2405-01 SITE # ASSET #

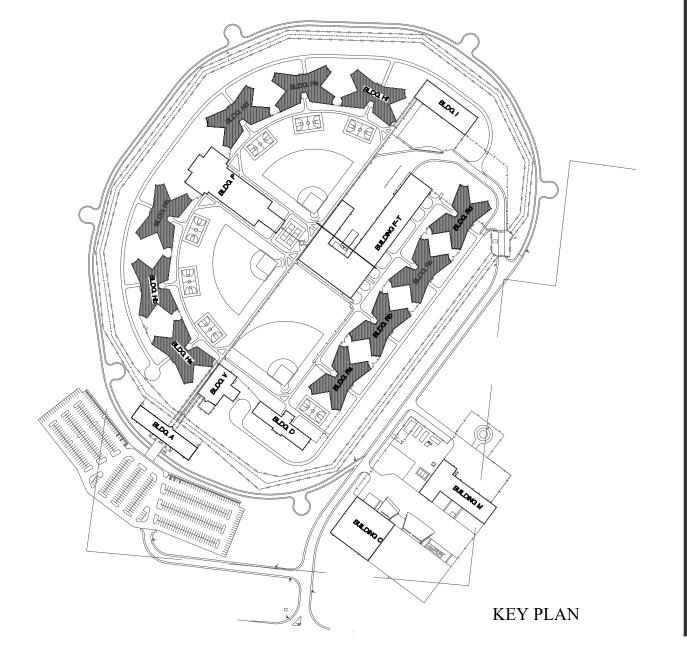
7021 9327021031

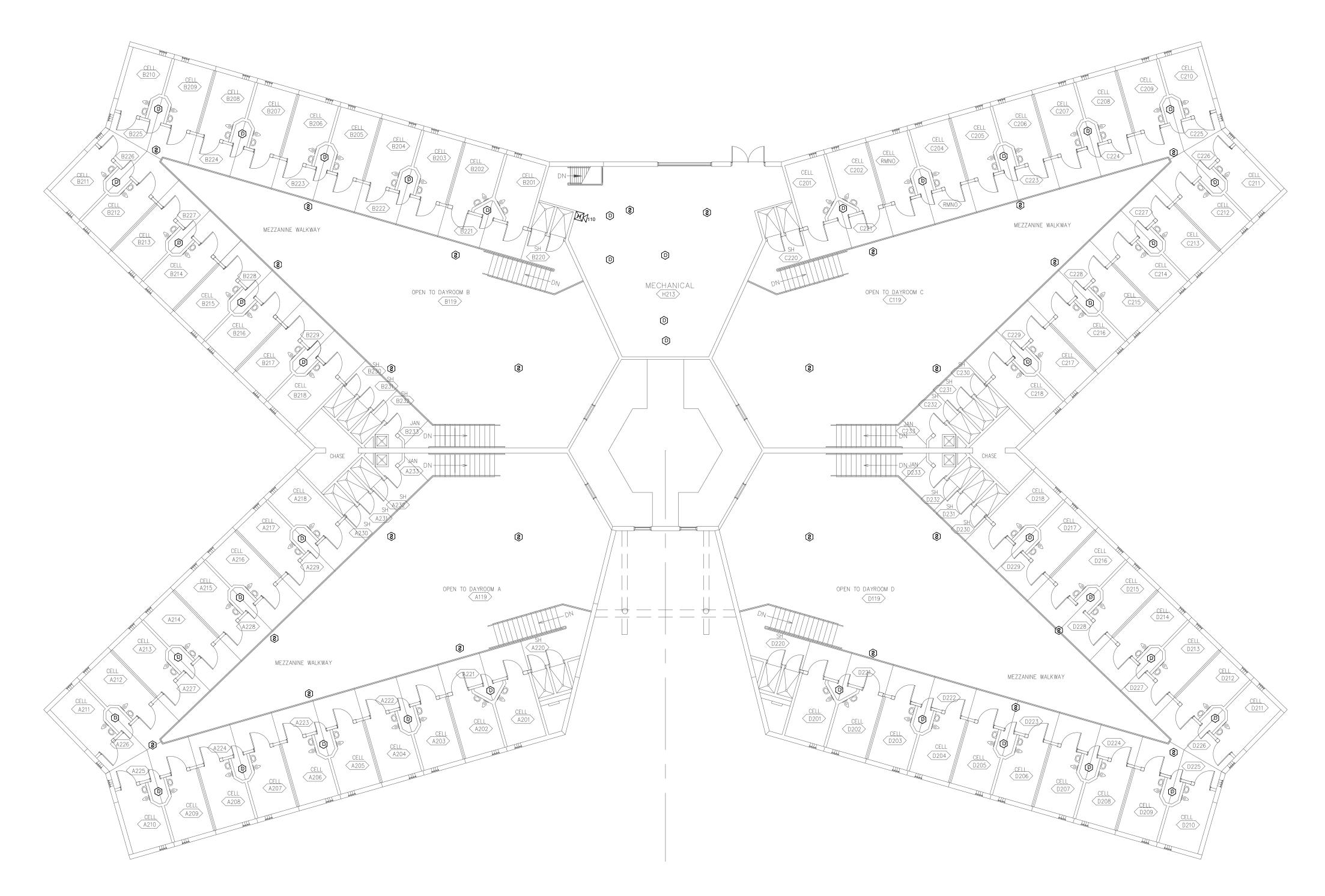
REVISION:
DATE:
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REVISION:
DATE:
ISSUE DATE: 08/08/2024

CAD DWG FILE:<u>C2405-01-FA-FP</u>-116 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>

SHEET TITLE: STANDARD HOUSING LEVEL 1 -FIRE ALARM PLAN

SHEET NUMBER: FA-900





STANDARD HOUSING MEZZANINE LEVEL - FIRE ALARM PLAN SCALE: 3/32" = 1'-0"









REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.



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

DEPARTMENT OF CORRECTIONS

Replace Fire Alarm System, Infrastructure

Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628

PROJECT # C2405-01 SITE # ASSET #

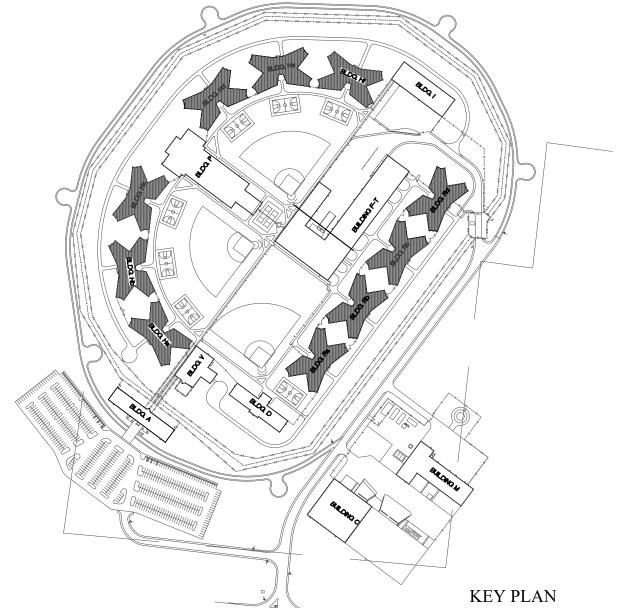
7021 9327021031

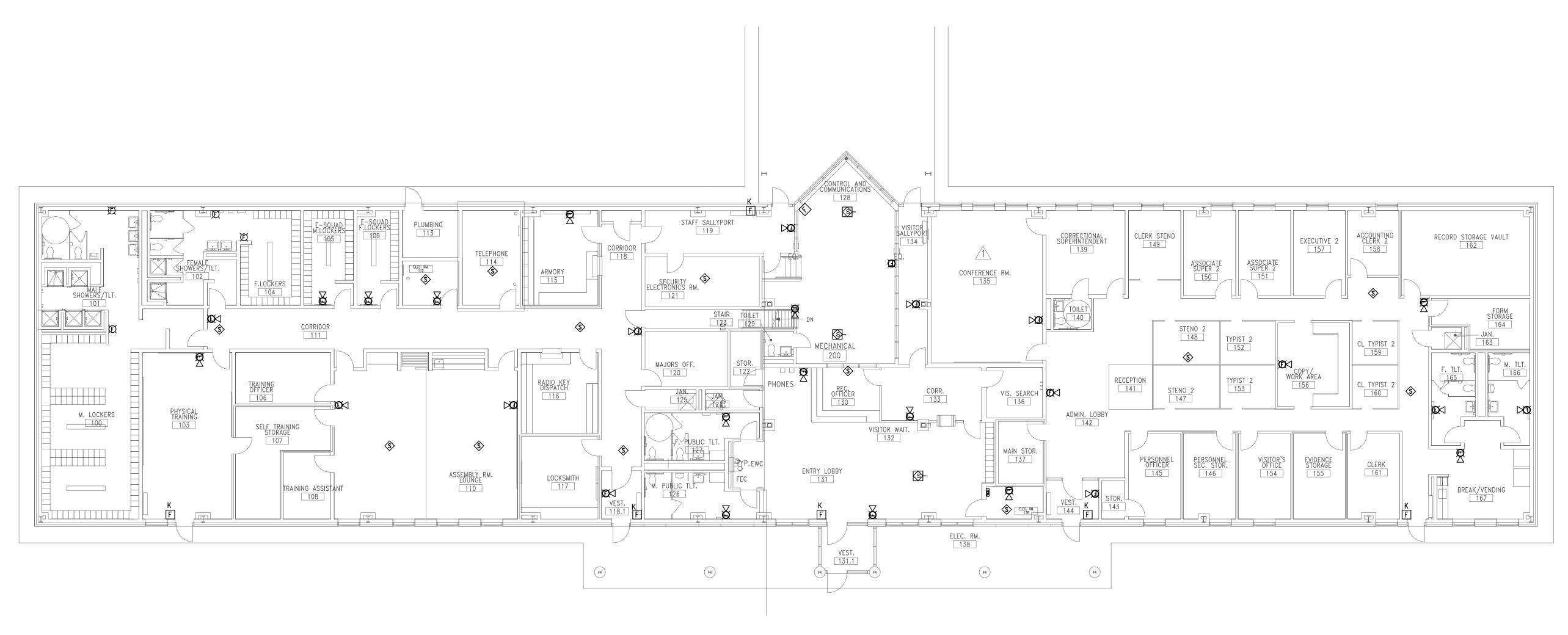
REVISION:
DATE:
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REVISION:
DATE:
ISSUE DATE: 08/08/2024

CAD DWG FILE:<u>C2405-01-FA-FP</u>-117 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>

SHEET TITLE: STANDARD HOUSING MEZZANINE LEVEL -FIRE ALARM PLAN

SHEET NUMBER: FA-901

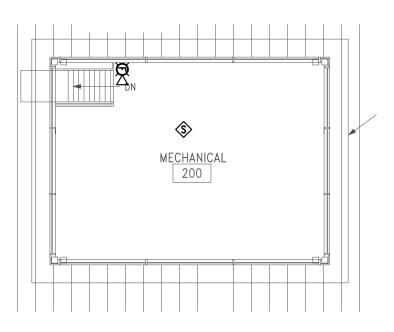








BUILDING #A - FIRST FLOOR FIRE ALARM DEMO PLAN SCALE: 3/32" = 1'-0" NORTH

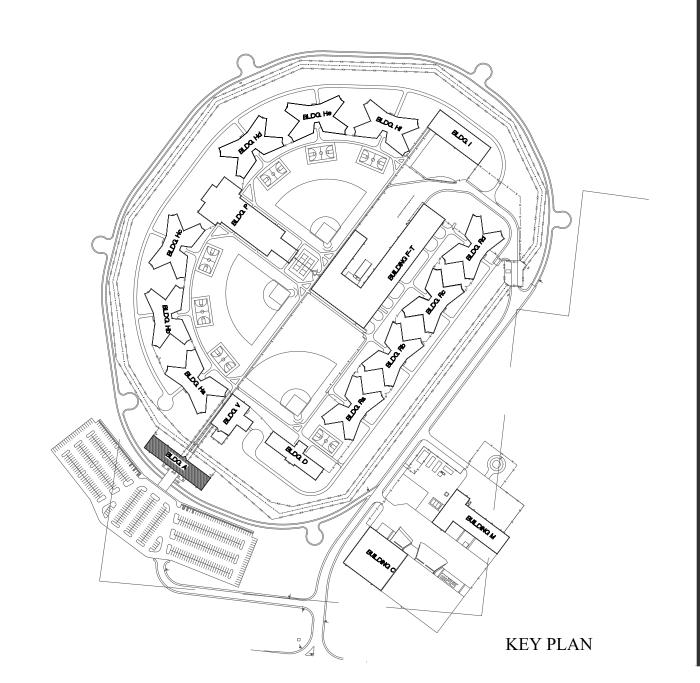


2 BUILDING #A - MEZZANINE FLOOR FIRE ALARM DEMO PLAN SCALE: 3/32" = 1'-0"



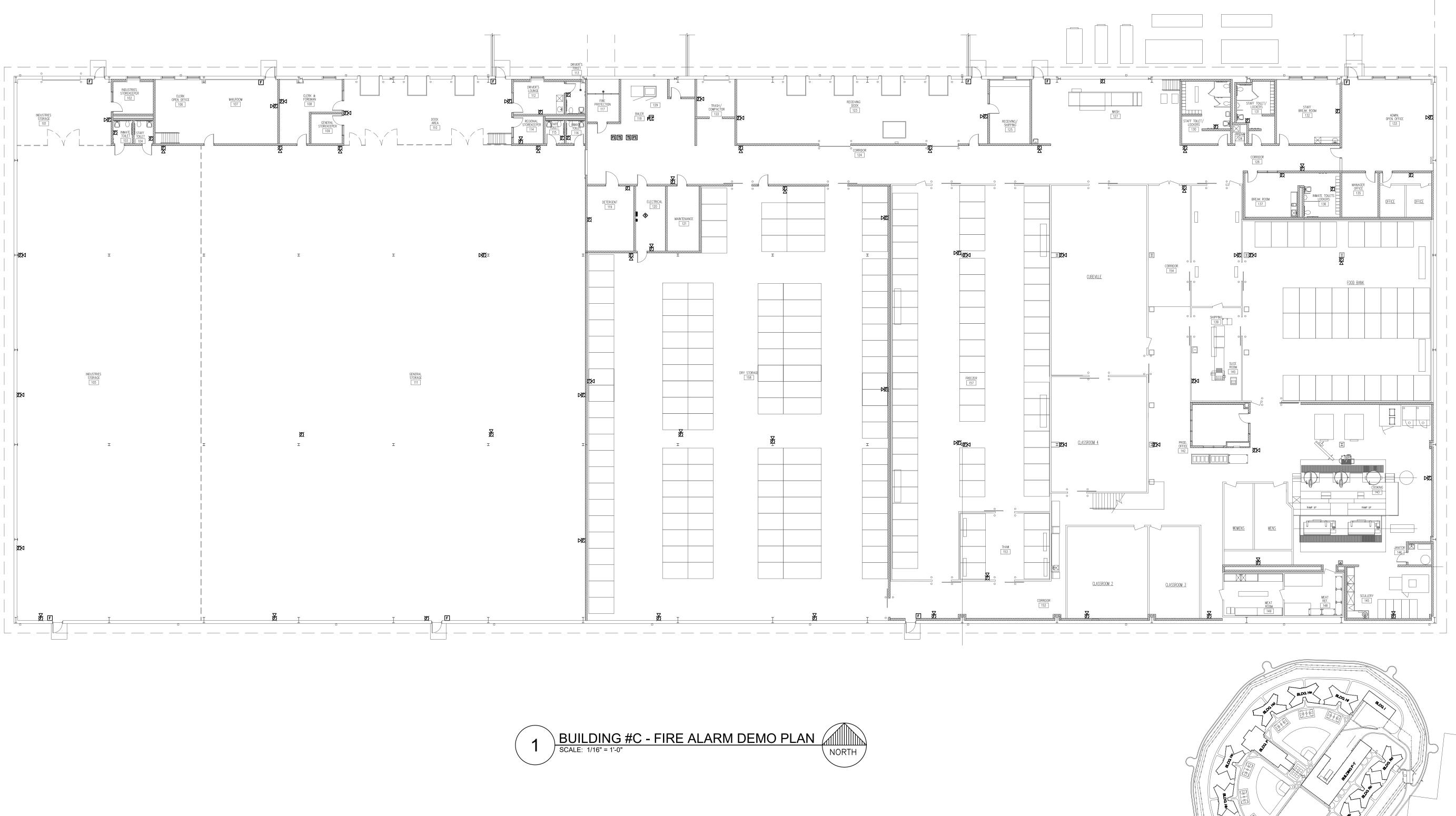
GENERAL NOTES

- 1. ALL NOTIFICATION AND DETECTION DEVICES ARE TO BE REPLACED. LOCATIONS TO BE MODIFIED AS NECESSARY TO MEET THE REQUIREMENTS OF NFPA 72. REFER TO NEW WORK DRAWINGS FOR ADDITIONAL INFORMATION.
- 2. ALL WIRING AND CONDUIT IN GOOD WORKING CONDITION MAY BE RE UTILIZED FOR NEW FIRE ALARM SYSTEM.



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
JAIME MARIE ABSHIER NUMBER PE-2020010419
REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.
FSC INCFSC INCFSC INCENGINEERS, LLCS675 W 96TH STREETOVERLAND PARK, KS. 66212PHONE: 816.33.4373FAX: 913.722.3484
3/32"=1'-0"
OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF CORRECTIONS
Replace Fire Alarm System, Infrastructure
Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628
PROJECT #C2405-01SITE #7021ASSET #9327021031
REVISION: DATE: REVISION: DATE: DATE: REVISION: DATE: ISSUE DATE: 08/08/2024
CAD DWG FILE: <u>C2405-01-FA-FP</u> -118 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>
SHEET TITLE: BUILDING #A - FIRE ALARM DEMO PLAN
SHEET NUMBER: FAD-100
18 OF 29 SHEETS

08/08/2024

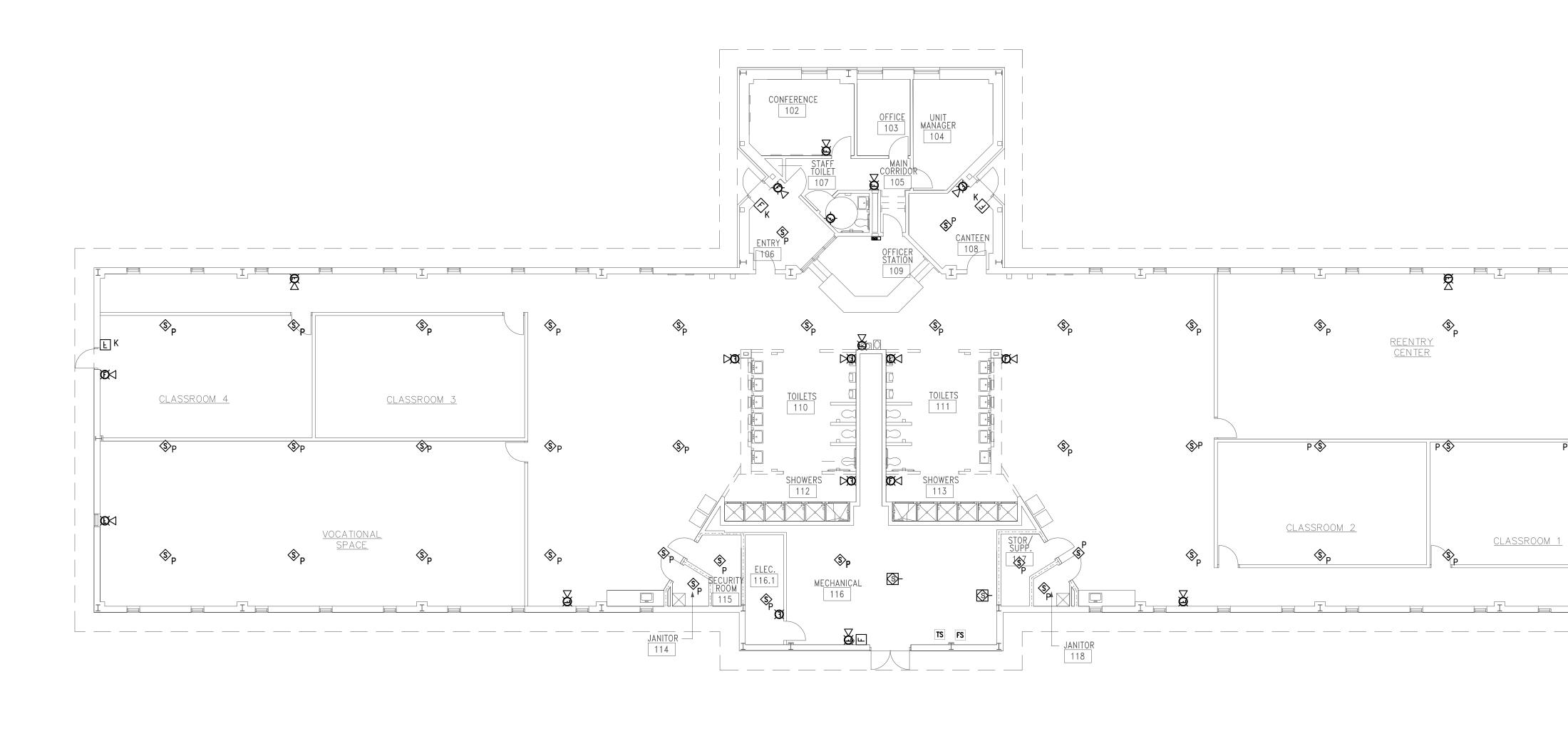




- 1. ALL NOTIFICATION AND DETECTION DEVICES ARE TO BE REPLACED. LOCATIONS TO BE MODIFIED AS NECESSARY TO MEET THE REQUIREMENTS OF NFPA 72. REFER TO NEW WORK DRAWINGS FOR ADDITIONAL INFORMATION.
- 2. ALL WIRING AND CONDUIT IN GOOD WORKING CONDITION MAY BE RE UTILIZED FOR NEW FIRE ALARM SYSTEM.

STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
JAIME MARIE ABSHIER NUMBER PE-2020010419
REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.
FSC INC.ENGINEERS, LLCS675 W 96TH STREETOVERLAND PARK, KS. 66212HONE: 816.33.4373EX: 913.722.3484
15' 0 15 30 1/16"=1'-0"
OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF CORRECTIONS
Replace Fire Alarm System, Infrastructure
Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628
PROJECT #C2405-01SITE #7021ASSET #9327021031
REVISION: DATE: REVISION: DATE: REVISION: DATE: DATE: ISSUE DATE: 08/08/2024
CAD DWG FILE: <u>C2405-01-FA-FP</u> -119 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u> SHEET TITLE:
BUILDING #C - FIRE ALARM DEMO PLAN
SHEET NUMBER: FAD-200
19 OF 29 SHEETS

08/08/2024





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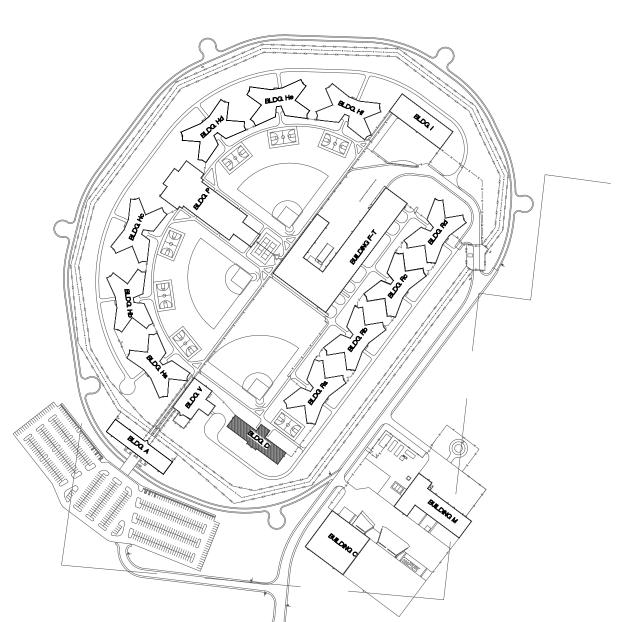
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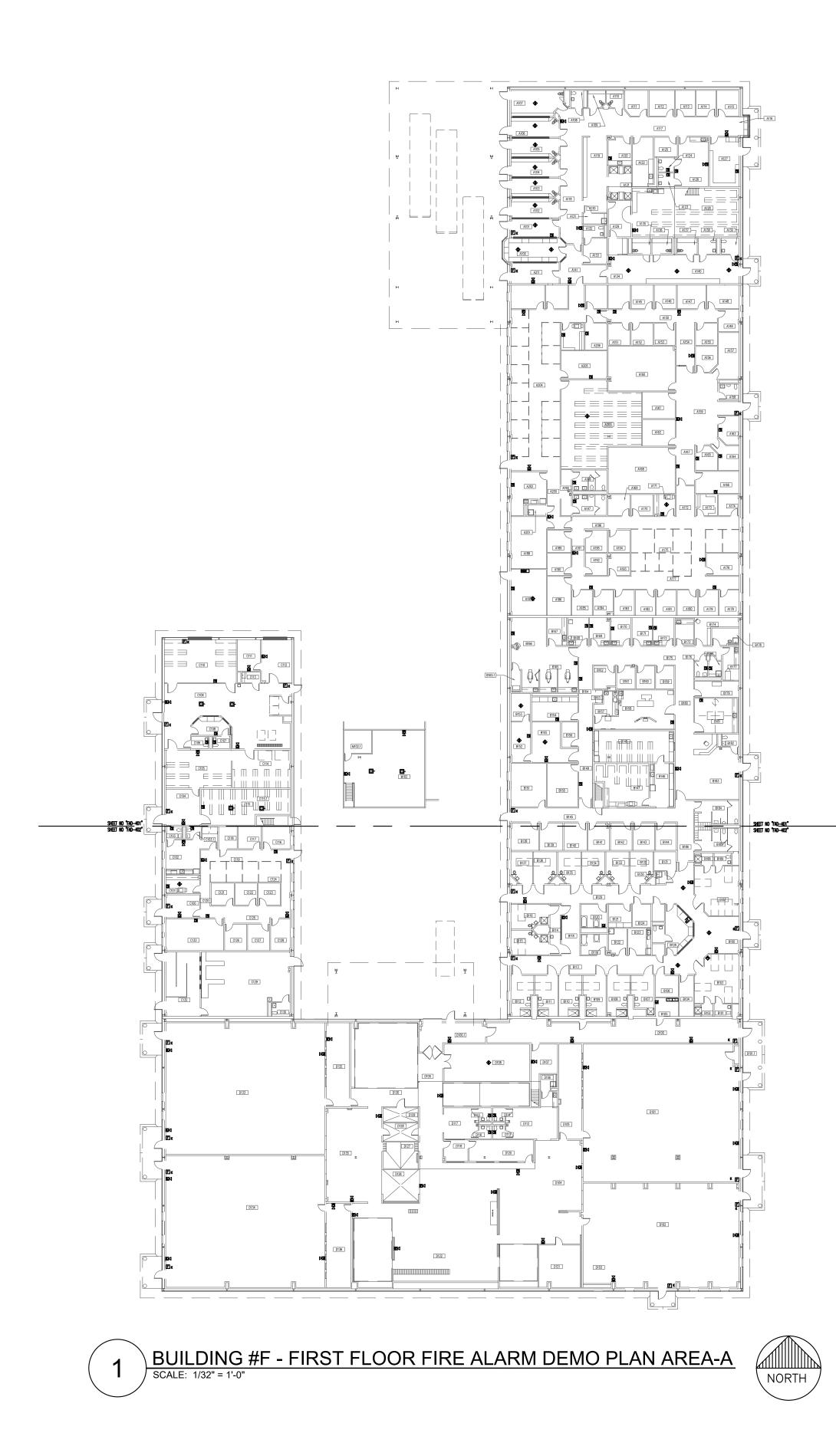
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- 1. ALL NOTIFICATION AND DETECTION DEVICES ARE TO BE REPLACED. LOCATIONS TO BE MODIFIED AS NECESSARY TO MEET THE REQUIREMENTS OF NFPA 72. REFER TO NEW WORK DRAWINGS FOR ADDITIONAL INFORMATION.
- 2. ALL WIRING AND CONDUIT IN GOOD WORKING CONDITION MAY BE RE UTILIZED FOR NEW FIRE ALARM SYSTEM.

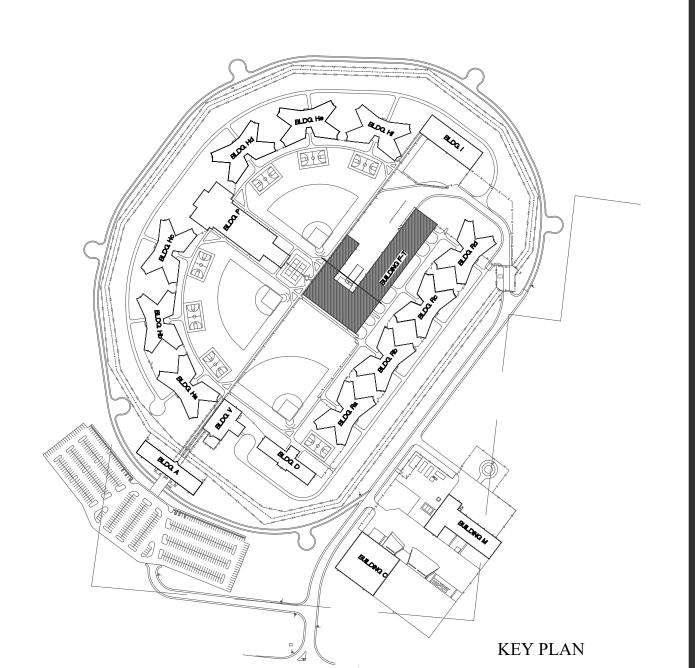


STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
JAIME MARIE ABSHIER NUMBER PE-2020010419
REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.
For the formation of the
$3/32^{*}=1^{*}-0^{*}$
OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF CORRECTIONS
Replace Fire Alarm System, Infrastructure
Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628
PROJECT #C2405-01SITE #7021ASSET #9327021031
REVISION: DATE: REVISION: DATE: REVISION: DATE: DATE: ISSUE DATE: 08/08/2024
CAD DWG FILE: <u>C2405-01-FA-FP</u> -120 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u> SHEET TITLE: BUILDING #D - FIRE ALARM DEMO PLAN
SHEET NUMBER: FAD-300

KEY PLAN



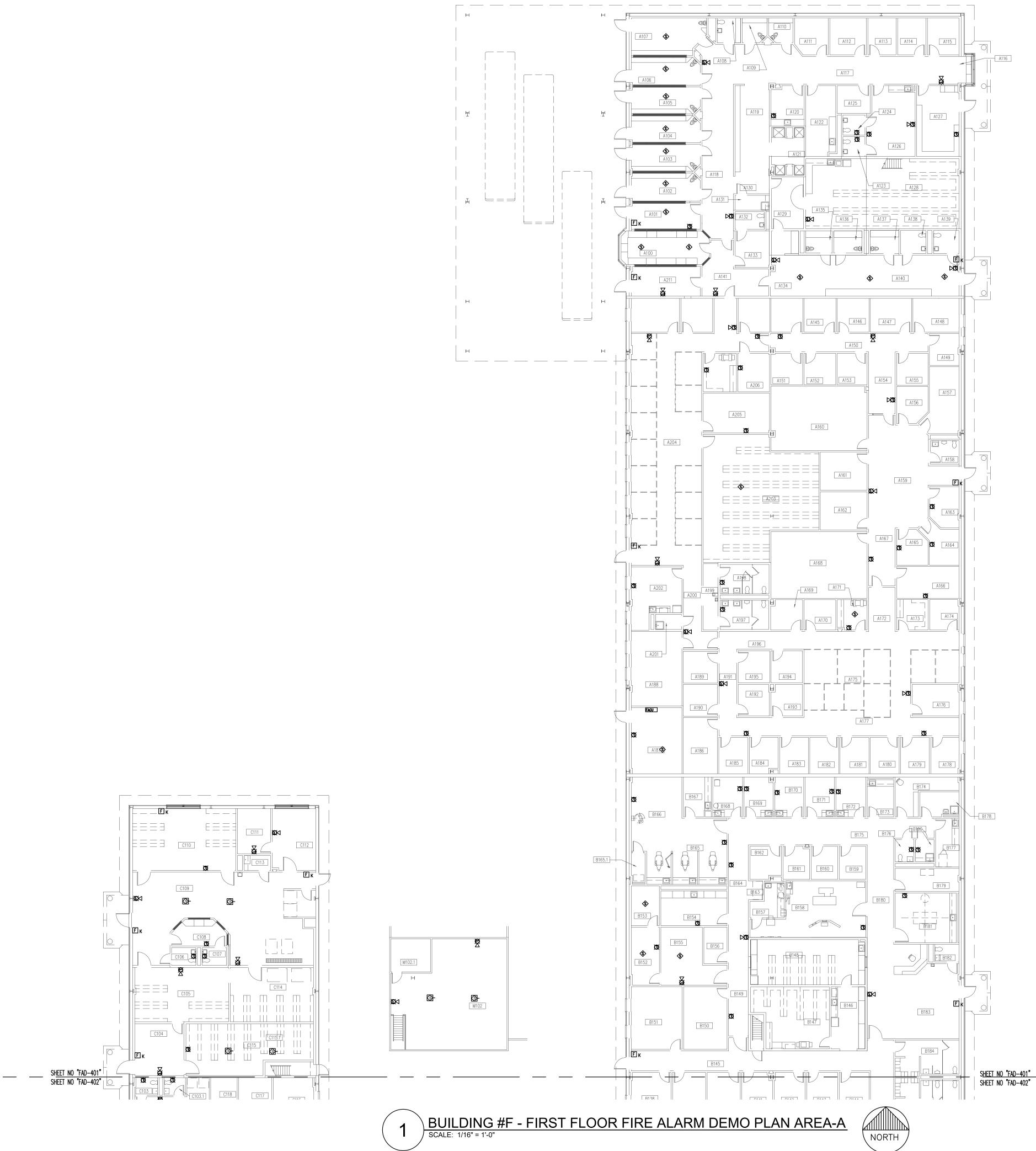
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STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR AIME MARI ABSHIER NUMBER PE-2020010419 REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS. FSC INC. ENGINEERS, LLC 8675 W 96TH STREET OVERLAND PARK, KS. 66212 PHONE: 816.33.4373 FAX: 913.722.3484 1/32"=1'-0" **OFFICE OF ADMINISTRATION DIVISION OF FACILITIES** MANAGEMENT, **DESIGN AND CONSTRUCTION** DEPARTMENT OF CORRECTIONS Replace Fire Alarm System, Infrastructure Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628 PROJECT # C2405-01 7021 SITE # ASSET # 9327021031 **REVISION:** DATE: **REVISION:** DATE: REVISION: DATE: ISSUE DATE: 08/08/2024 CAD DWG FILE:<u>C2405-01-FA-FP</u>-121 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u> SHEET TITLE: BUILDING #F - FIRE ALARM DEMO PLAN

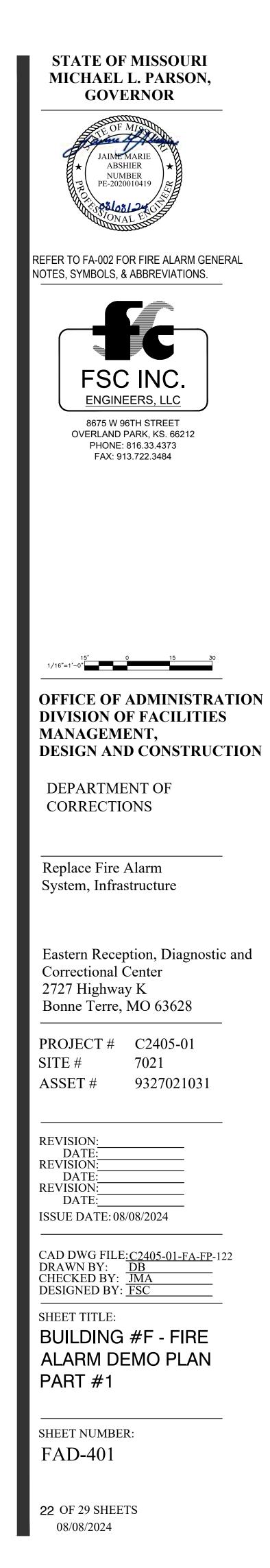
SHEET NUMBER: FAD-400





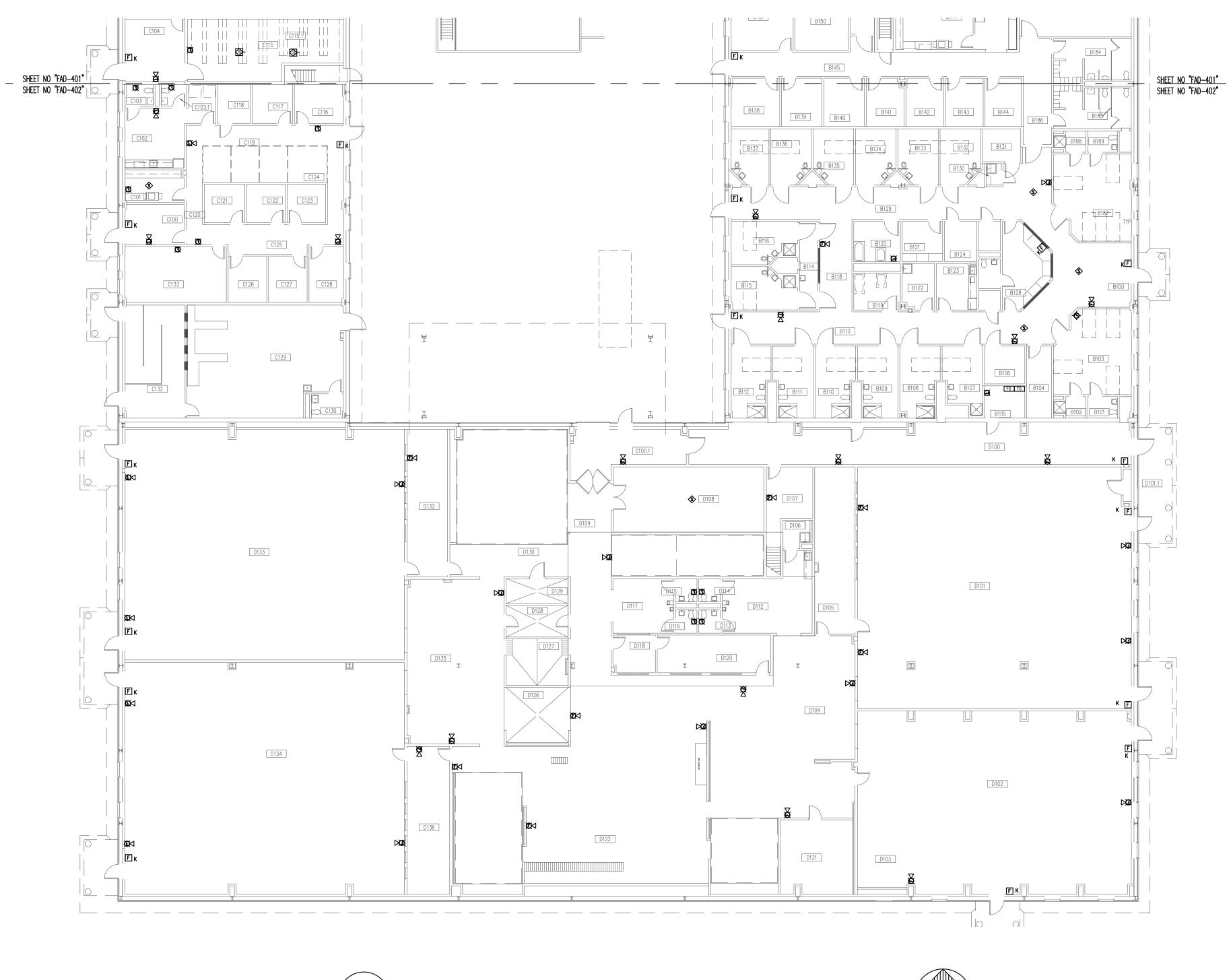


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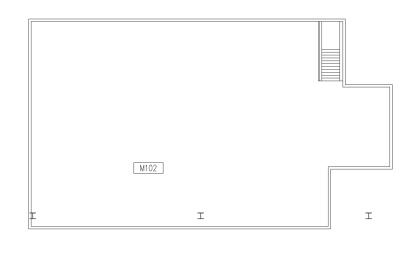


BLDG #F AREA -A

BLDG #F AREA -B









BUILDING #F -FIRST FLOOR FIRE ALARM DEMO PLAN AREA-B

NORTH	

M103	

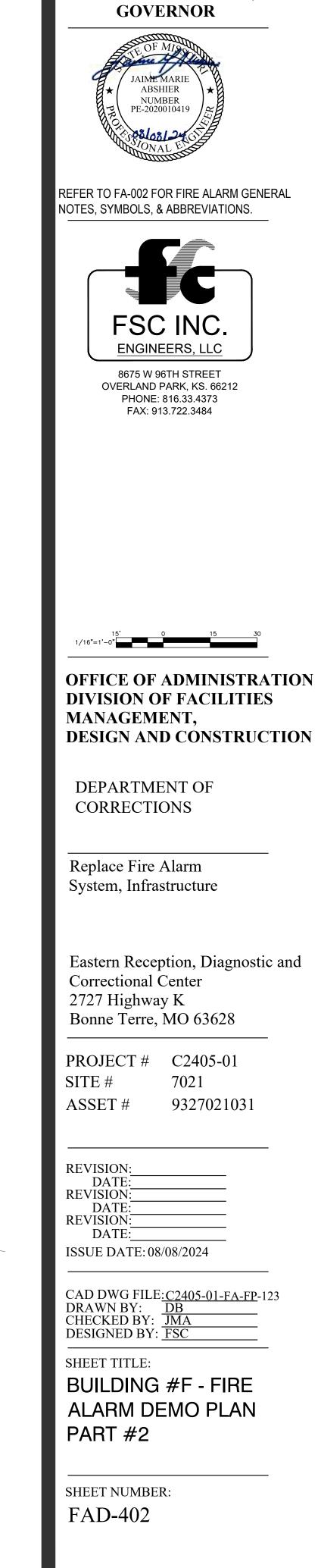
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GENERAL NOTES

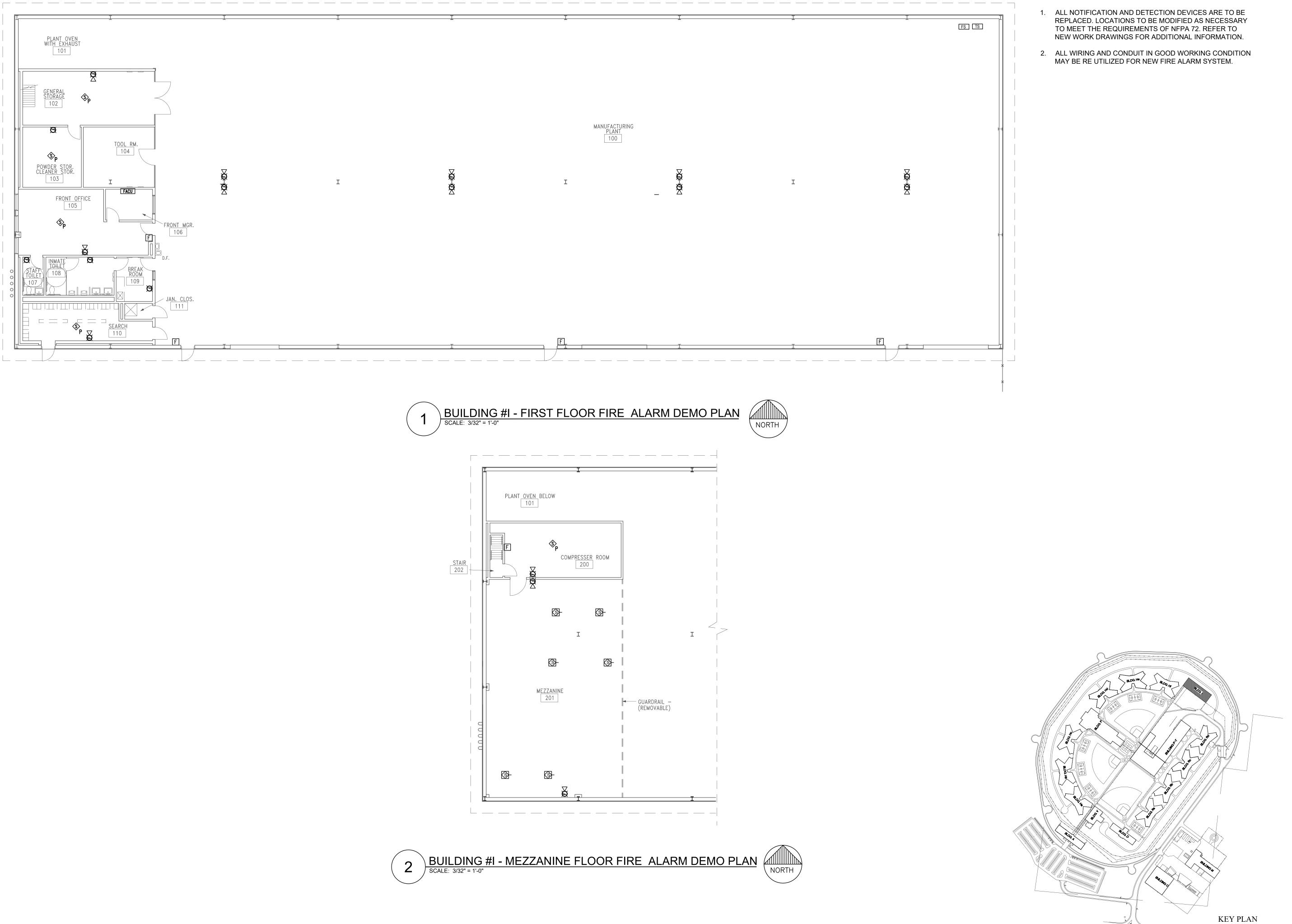
- 1. ALL NOTIFICATION AND DETECTION DEVICES ARE TO BE REPLACED. LOCATIONS TO BE MODIFIED AS NECESSARY TO MEET THE REQUIREMENTS OF NFPA 72. REFER TO NEW WORK DRAWINGS FOR ADDITIONAL INFORMATION.
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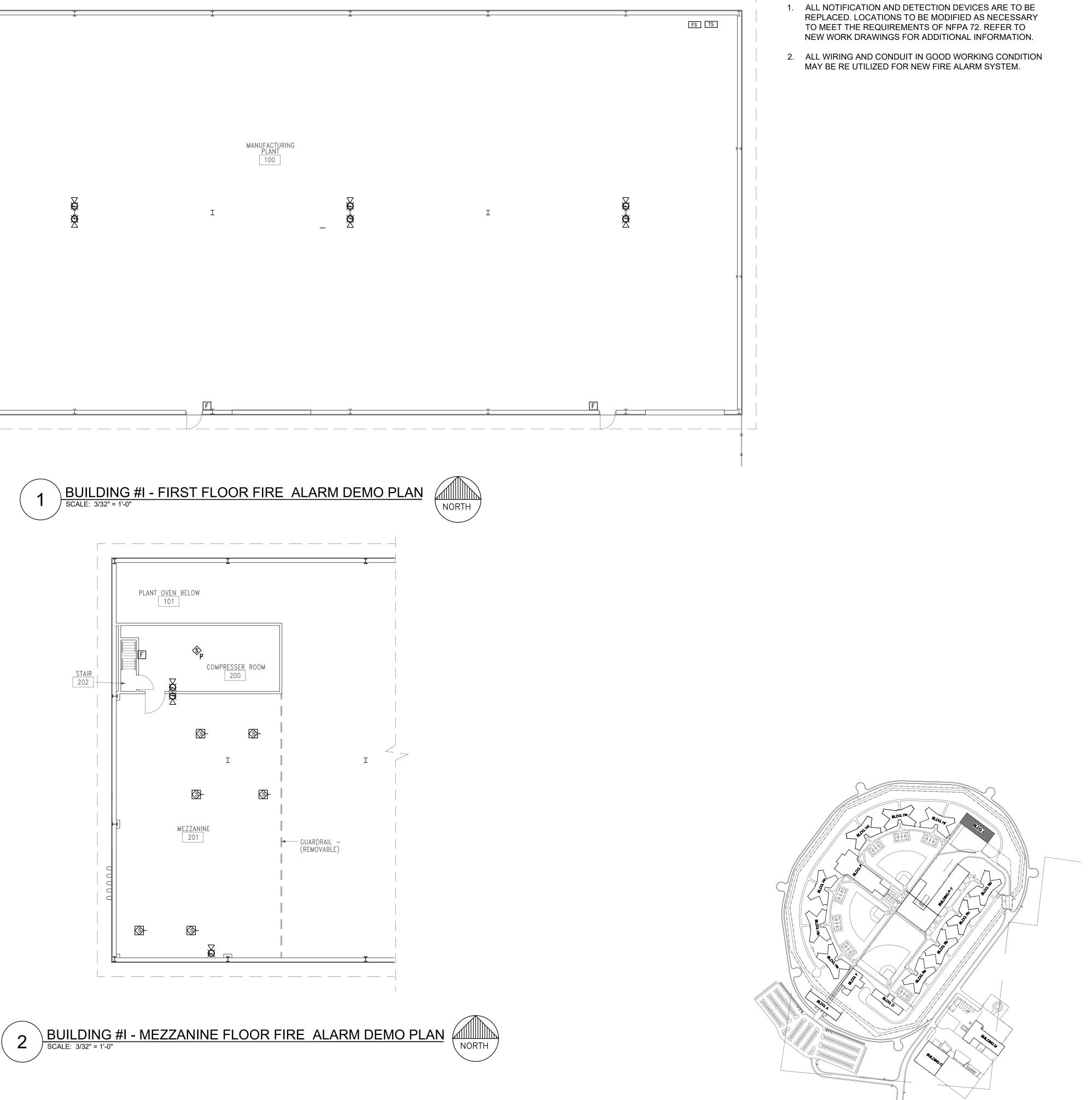


STATE OF MISSOURI MICHAEL L. PARSON,

BLDG #F AREA -A

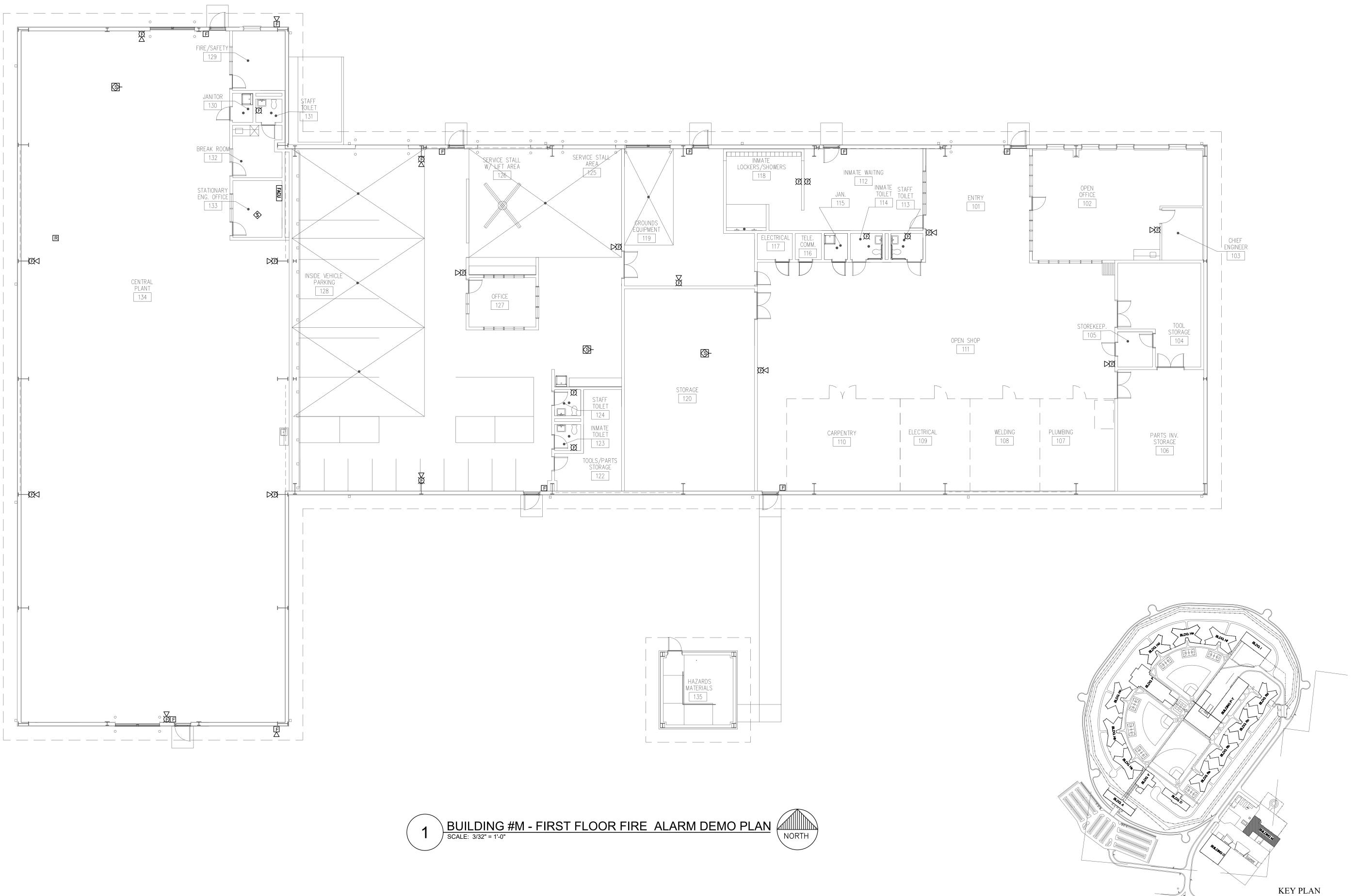
BLDG #F AREA -B



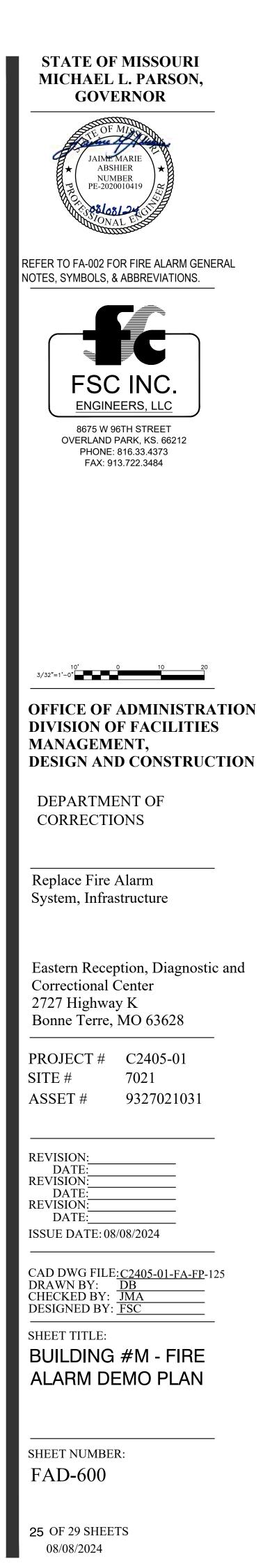


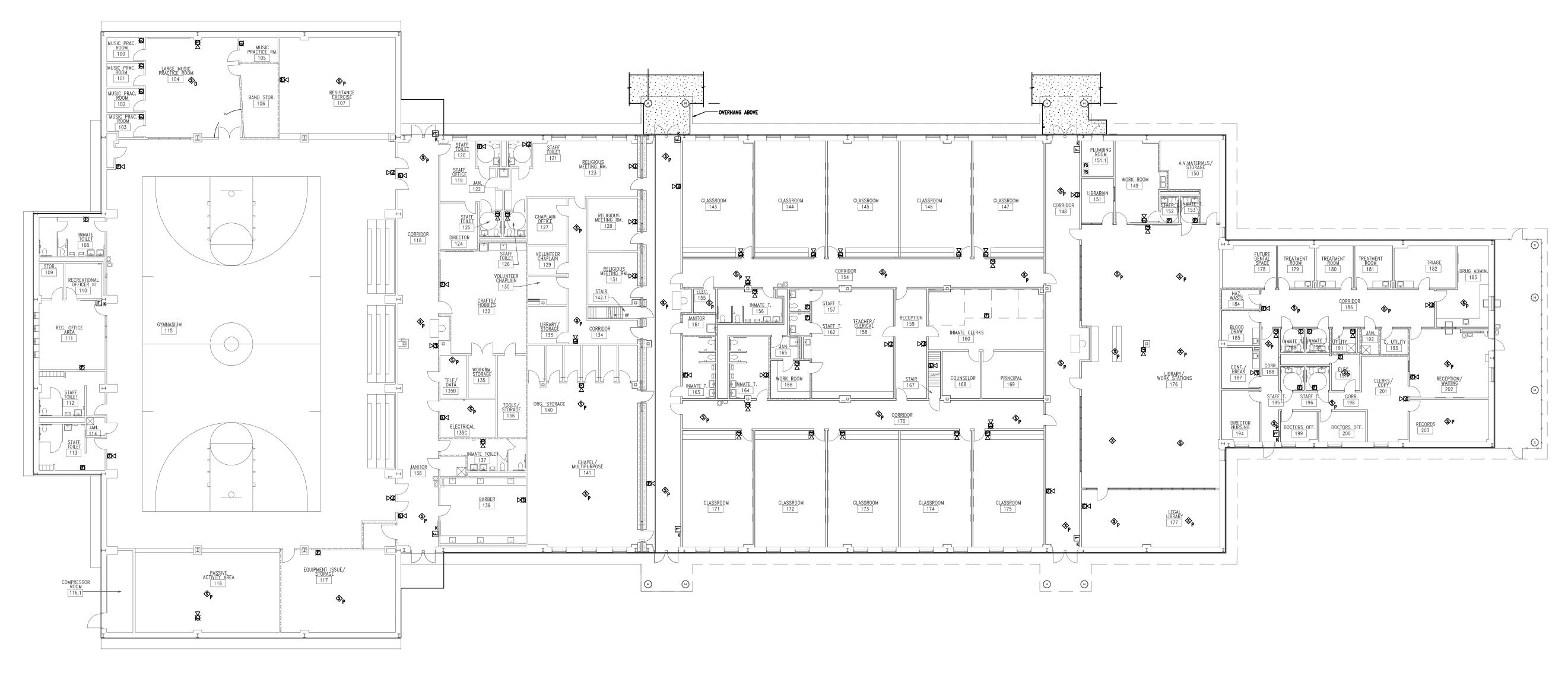
STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR AIME MARI ABSHIER NUMBER PE-2020010419 REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS. FSC INC. ENGINEERS, LLC 8675 W 96TH STREET OVERLAND PARK, KS. 66212 PHONE: 816.33.4373 FAX: 913.722.3484 3/32"=1'-0" **OFFICE OF ADMINISTRATION DIVISION OF FACILITIES** MANAGEMENT, **DESIGN AND CONSTRUCTION** DEPARTMENT OF CORRECTIONS Replace Fire Alarm System, Infrastructure Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628 PROJECT # C2405-01 7021 SITE # ASSET # 9327021031 **REVISION:** DATE: **REVISION:** DATE: **REVISION:** DATE: ISSUE DATE: 08/08/2024 CAD DWG FILE:<u>C2405-01-FA-FP</u>-124 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u> SHEET TITLE: BUILDING #I - FIRE ALARM DEMO PLAN

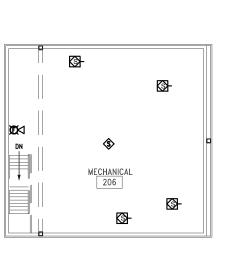
SHEET NUMBER: FAD-500

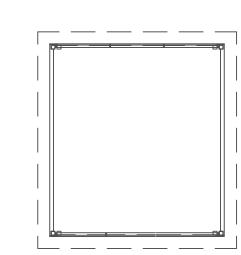


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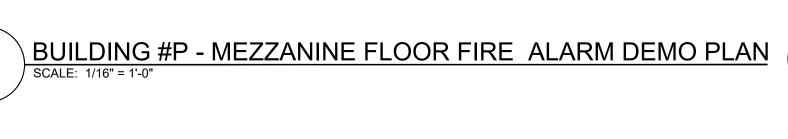


2 BUILDING #P -CUPOLA FLOOR FIRE ALARM DEMO PLAN

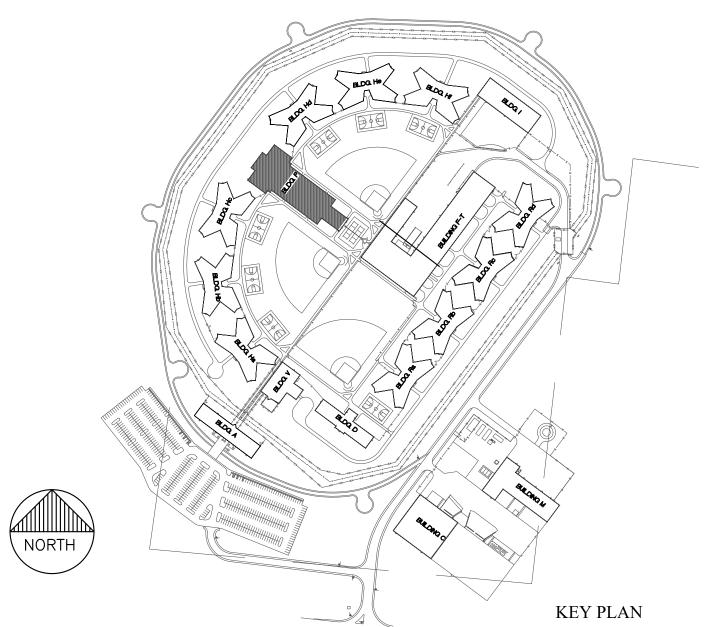
BUILDING #P - FIRST FLOOR FIRE ALARM DEMO PLAN NORTH

3

MECHANICAL 204 **S**-



3

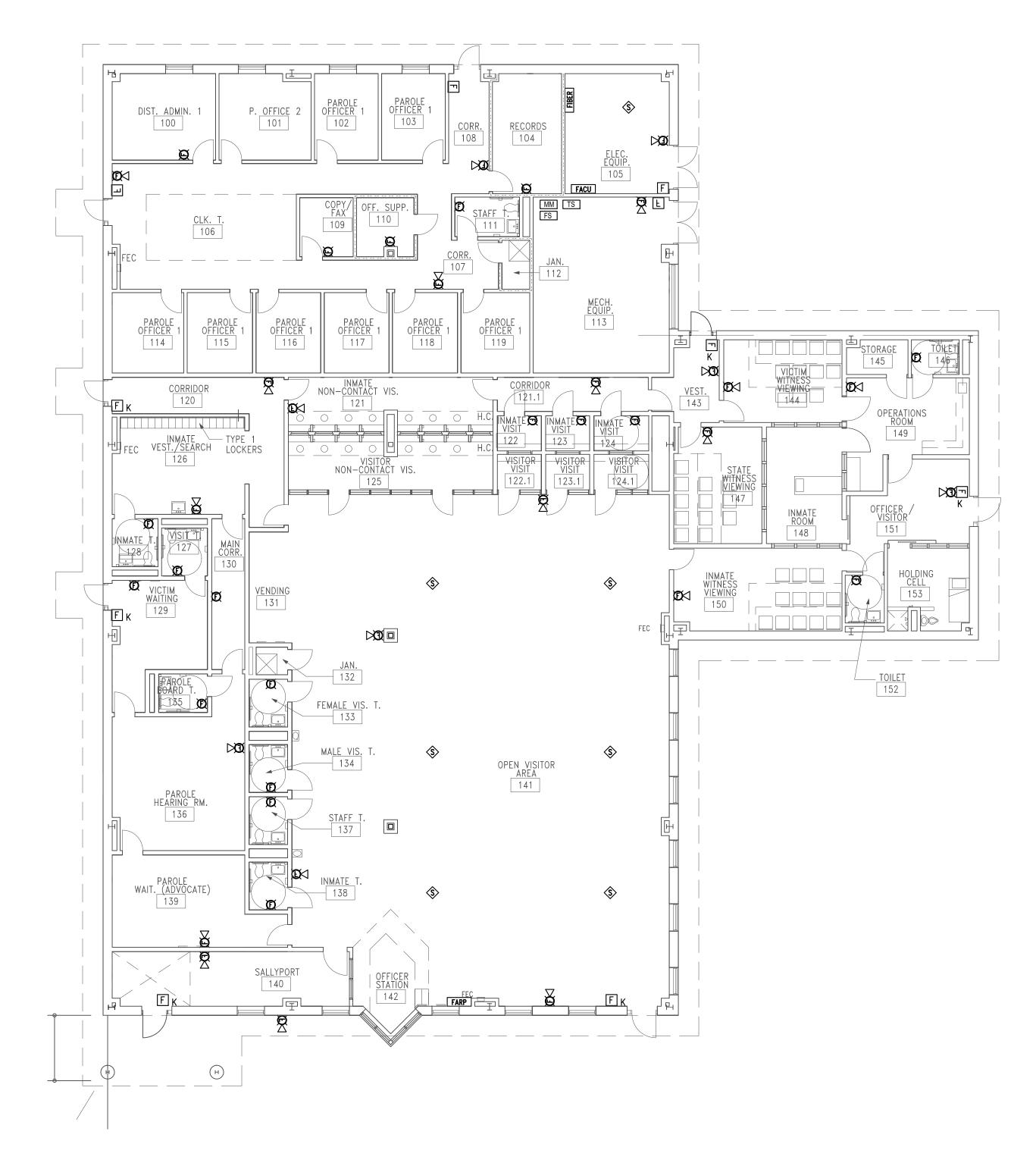


GENERAL NOTES

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STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
JAIME MARIE ABSHIER NUMBER PE-2020010419
REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.
FSCINC. ENGINEERS, LLC 8675 W 96TH STREET OVERLAND PARK, KS. 66212 PHONE: 816.33.4373 FAX: 913.722.3484
15' 0 15 30 1/16"=1'-0"
OFFICE OF ADMINISTRATION DIVISION OF FACILITIES
MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF CORRECTIONS
Replace Fire Alarm System, Infrastructure
Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628
PROJECT #C2405-01SITE #7021ASSET #9327021031
REVISION: DATE: REVISION: DATE: DATE: REVISION: DATE: ISSUE DATE: 08/08/2024
CAD DWG FILE <u>:C2405-01-FA-FP</u> -126 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>
SHEET TITLE: BUILDING #P - FIRE ALARM DEMO PLAN
SHEET NUMBER: FAD-700

08/08/2024



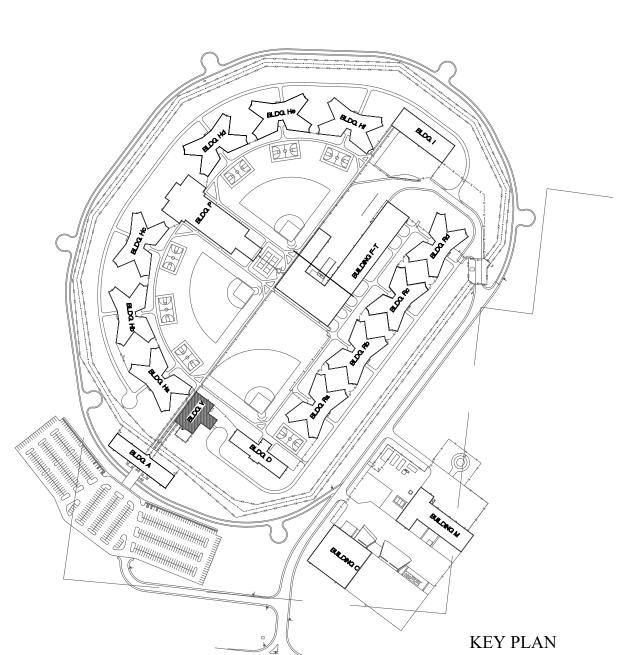


BUILDING #V - FIRE ALARM DEMO PLAN SCALE: 3/32" = 1'-0"



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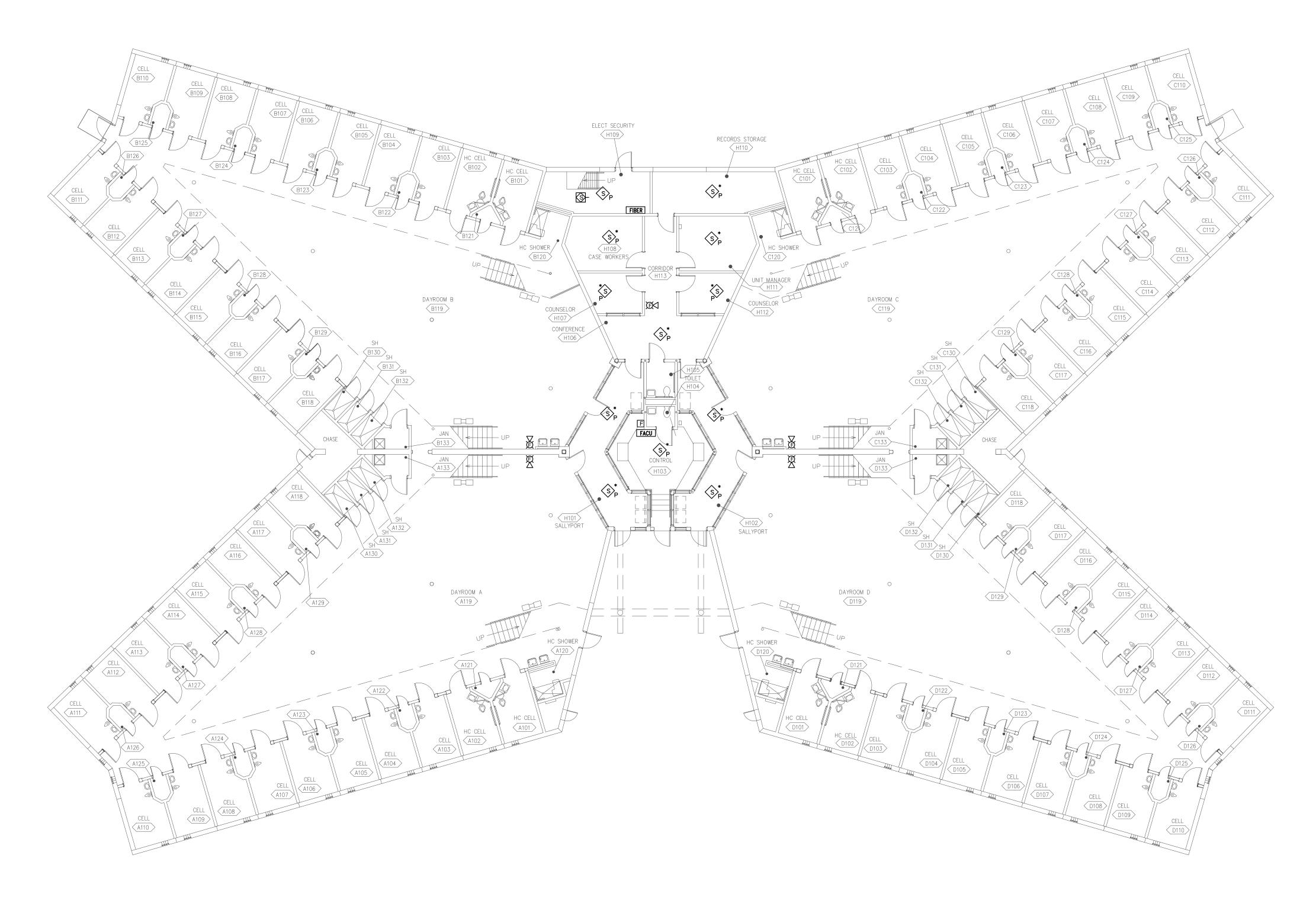
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STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
JAIME MARIE ABSHIER NUMBER PE-2020010419
REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.
FSCINC ENGINEERS, LLC B675 W 96TH STREET OVERLAND PARK, KS. 66212 PHONE: 816.33.4373 FAX: 913.722.3484
10' 0 10 20 3/32"=1'-0"
OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF CORRECTIONS
Replace Fire Alarm System, Infrastructure
Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628
PROJECT # C2405-01 SITE # 7021 ASSET # 9327021031
REVISION: DATE: REVISION: DATE: REVISION: DATE: DATE: ISSUE DATE: 08/08/2024
CAD DWG FILE: <u>C2405-01-FA-FP</u> -127 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>
SHEET TITLE: BUILDING #V - FIRE ALARM DEMO PLAN
SHEET NUMBER:

27 OF 29 SHEETS

FAD-800

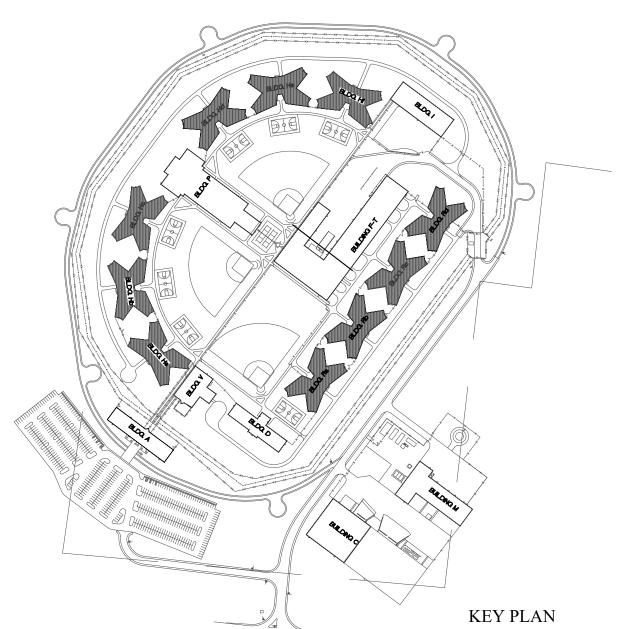
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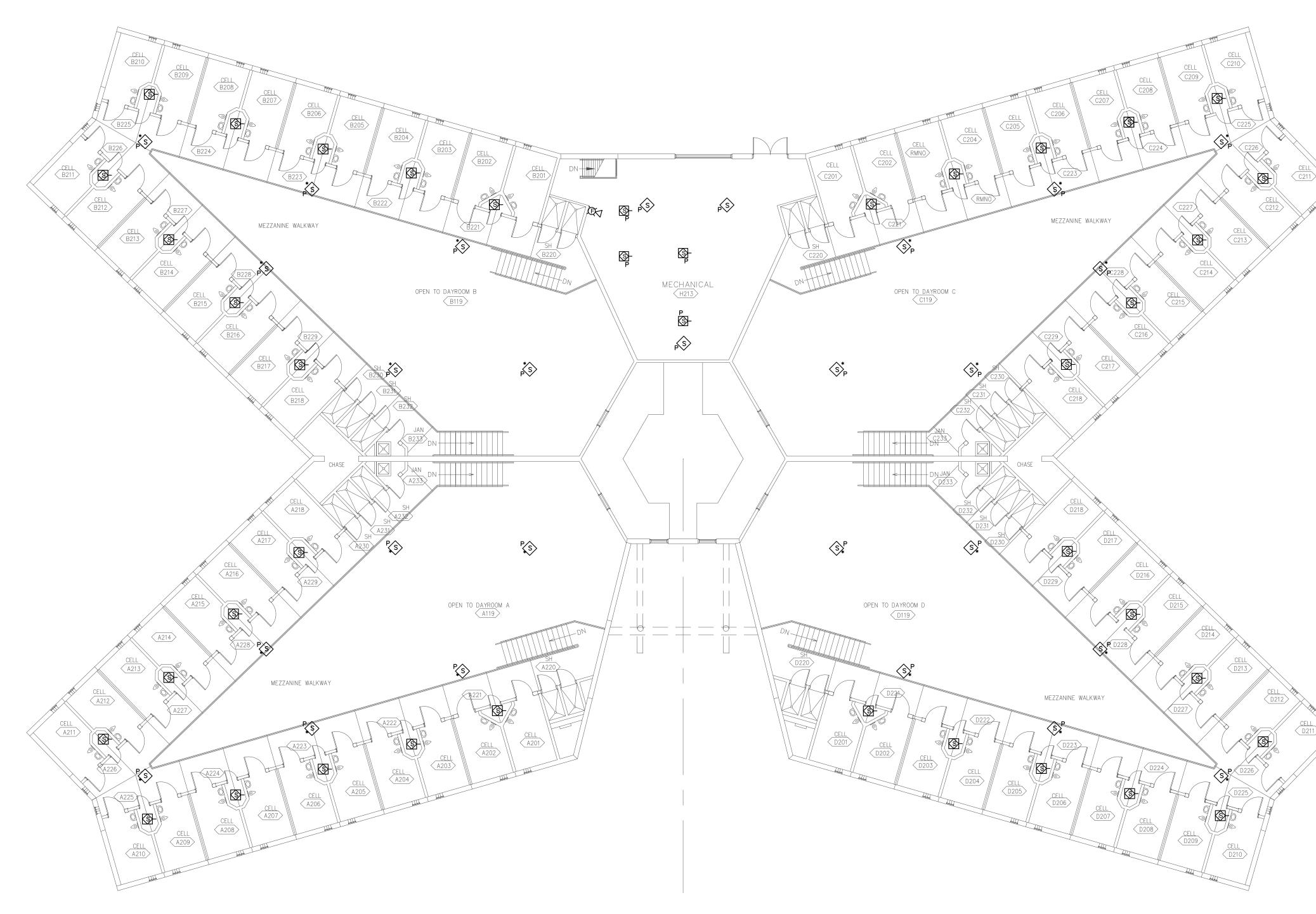


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REFER TO FA-002 FOR FIRE ALARM GENERAL NUMBER NUMBER SYMBOLS, & ABBREVIATIONS.	STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
NOTES, SYMBOLS, & ABBREVIATIONS.	$ \left(\begin{array}{c} ABSHIER \\ NUMBER \end{array} \right) \star $
ENGINEERS, LLC Description of the street overland park, KS 66212 PHONE: 816.33.4373 FAX: 913.722.3484 OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION DEPARTMENT OF CORRECTIONS Replace Fire Alarm System, Infrastructure Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628 PROJECT # C2405-01 SITE # 7021 ASSET # 9327021031 REVISION: DATE: REVISION: DATE: REVISION: DATE: REVISION: DATE: SUE DATE:08/08/2024 CAD DWG FILE:C2405-01-FA-FP-128 DATE: REVISION: DATE: STANDARD HOUSING LEVEL 1- FIRE ALARM	
OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION DEPARTMENT OF CORRECTIONS Replace Fire Alarm System, Infrastructure Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628 PROJECT # C2405-01 SITE # 7021 ASSET # 9327021031 Revision: DATE: REVISION: DATE: REVISION: DATE: REVISION: DATE: REVISION: DATE: SSUE DATE: 08/08/2024 CAD DWG FILE: C2405-01-FA-FP-128 DRAWN BY: DB CHECKED BY: JMA DESIGNED BY: FSC SHEET TITLE: STANDARD HOUSING LEVEL 1- FIRE ALARM	ENGINEERS, LLC 8675 W 96TH STREET OVERLAND PARK, KS. 66212 PHONE: 816.33.4373
OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION DEPARTMENT OF CORRECTIONS Replace Fire Alarm System, Infrastructure Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628 PROJECT # C2405-01 SITE # 7021 ASSET # 9327021031 REVISION: DATE: REVISION: DATE: REVISION: DATE: REVISION: DATE: ISSUE DATE: 08/08/2024 CAD DWG FILE: CAD DWG FILE: CAD DWG FILE: SHEET TITLE: STANDARD HOUSING LEVEL 1- FIRE ALARM	
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION DEPARTMENT OF CORRECTIONS Replace Fire Alarm System, Infrastructure Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628 PROJECT # C2405-01 SITE # 7021 ASSET # 9327021031 REVISION: DATE: REVISION: DATE: REVISION: DATE: REVISION: DATE: REVISION: DATE: REVISION: DATE: REVISION: DATE: REVISION: DATE: SUE DATE: 08/08/2024 CAD DWG FILE:C2405-01-FA-FP-128 DRAWN BY: DB CHECKED BY: JMA DESIGNED BY: FSC SHEET TITLE: STANDARD HOUSING LEVEL 1- FIRE ALARM	10' 0 10 20 3/32"=1'-0"
CORRECTIONS Replace Fire Alarm System, Infrastructure Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628 PROJECT # C2405-01 SITE # 7021 ASSET # 9327021031 REVISION: DATE: REVISION: DATE: REVISION: DATE: ISSUE DATE: 08/08/2024 CAD DWG FILE: C2405-01-FA-FP-128 DRAWN BY: DB CHECKED BY: JMA DESIGNED BY: SHEET TITLE: STANDARD HOUSING LEVEL 1- FIRE ALARM	DIVISION OF FACILITIES MANAGEMENT,
System, Infrastructure Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628 PROJECT # C2405-01 SITE # 7021 ASSET # 9327021031 REVISION: DATE: REVISION: DATE: REVISION: DATE: ISSUE DATE: 08/08/2024 CAD DWG FILE:C2405-01-FA-FP-128 DRAWN BY: DB CHECKED BY: JMA DESIGNED BY: FSC SHEET TITLE: STANDARD HOUSING LEVEL 1- FIRE ALARM	
Correctional Center 2727 Highway K Bonne Terre, MO 63628 PROJECT # C2405-01 SITE # 7021 ASSET # 9327021031 REVISION: DATE: REVISION: DATE: REVISION: DATE: ISSUE DATE: 08/08/2024 CAD DWG FILE: C2405-01-FA-FP-128 DATE: ISSUE DATE: 08/08/2024 CAD DWG FILE: C2405-01-FA-FP-128 DRAWN BY: DB CHECKED BY: JMA DESIGNED BY: FSC SHEET TITLE: STANDARD HOUSING LEVEL 1- FIRE ALARM	-
SITE # 7021 ASSET # 9327021031 REVISION: DATE: REVISION: DATE: DATE: REVISION: DATE: _	Correctional Center 2727 Highway K
DATE: REVISION: DATE: REVISION: DATE: REVISION: DATE: DATE: ISSUE DATE: 08/08/2024 CAD DWG FILE: C2405-01-FA-FP-128 DRAWN BY: DB CHECKED BY: JMA DESIGNED BY: FSC SHEET TITLE: STANDARD HOUSING LEVEL 1- FIRE ALARM	SITE # 7021
DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u> SHEET TITLE: STANDARD HOUSING LEVEL 1- FIRE ALARM	DATE: REVISION: DATE: REVISION: DATE:
STANDARD HOUSING LEVEL 1- FIRE ALARM	DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u>
	STANDARD HOUSING LEVEL 1- FIRE ALARM

SHEET NUMBER: FAD-900



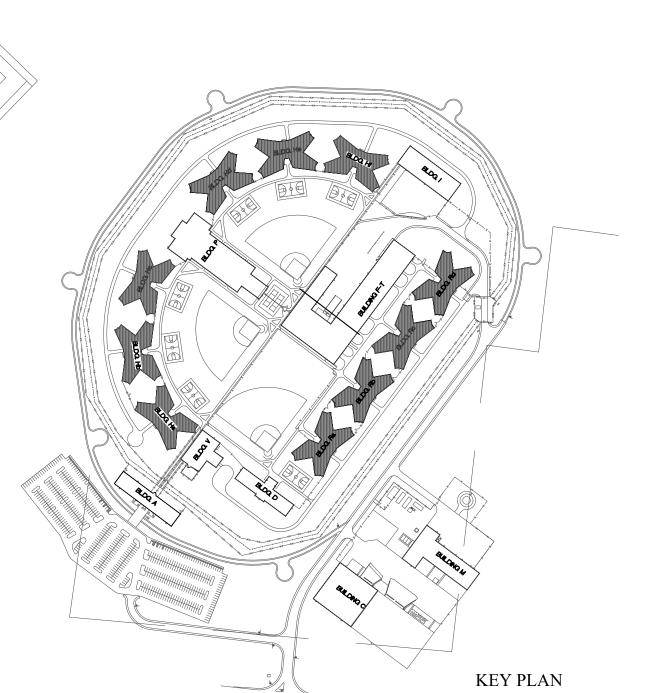


STANDARD HOUSING MEZZANINE LEVEL - FIRE ALARM DEMO PLAN SCALE: 3/32" = 1'-0"



GENERAL NOTES

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STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR
JAIME MARIE ABSHIER PE-2020010419
REFER TO FA-002 FOR FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS.
FSCINC.ENGINEERS, LLCS675 W 96TH STREETOVERLAND PARK, KS. 66212PHONE: 816.33.4373FAX: 913.722.3484
10' 0 10 20 3/32″=1'−0″
OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF CORRECTIONS
Replace Fire Alarm System, Infrastructure
Eastern Reception, Diagnostic and Correctional Center 2727 Highway K Bonne Terre, MO 63628
PROJECT #C2405-01SITE #7021ASSET #9327021031
REVISION: DATE: REVISION: DATE: DATE: REVISION: DATE: ISSUE DATE: 08/08/2024
CAD DWG FILE: <u>C2405-01-FA-FP</u> -129 DRAWN BY: <u>DB</u> CHECKED BY: <u>JMA</u> DESIGNED BY: <u>FSC</u>
SHEET TITLE: STANDARD HOUSING MEZZANINE LEVEL- FIRE ALARM DEMO PLAN

sheet number: FAD-901