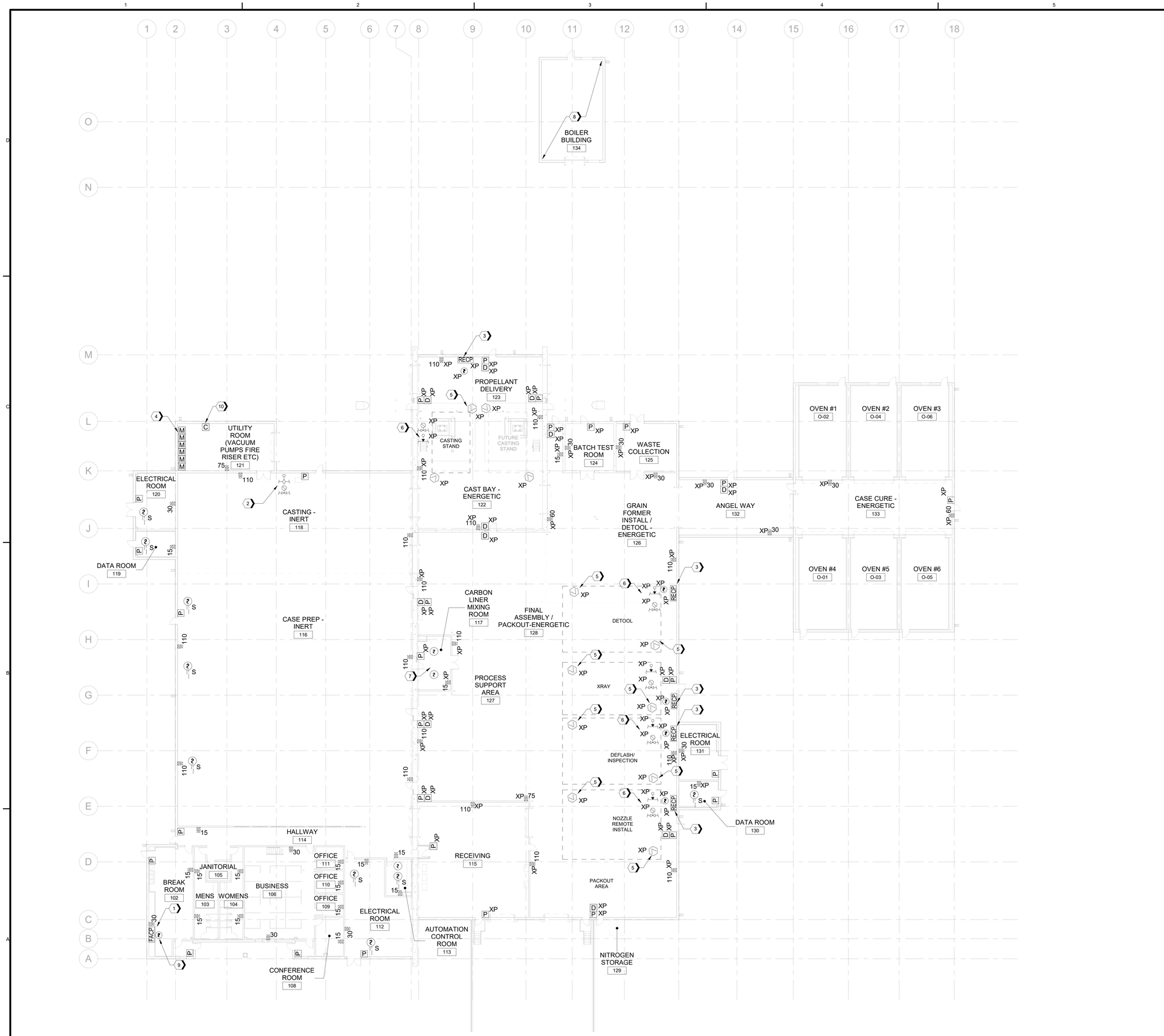


A1 GROUND FLOOR FIRE ALARM PLAN
SCALE 1/16" = 1'-0"

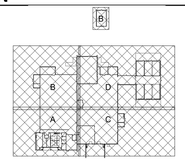
GENERAL SHEET NOTES

1. REFER TO SHEET F-001 FOR GENERAL NOTES AND SYMBOLS.
2. REFER TO SHEET FA501 FOR FIRE ALARM DETAILS.
3. FIRE ALARM COMPONENTS SHALL BE RATED FOR EXPLOSIVE ENVIRONMENTS IN AREAS WHERE EXPLOSIVE MATERIALS ARE HANDLED AND A DEFLAGRATION RISK IS PRESENT.
4. THE DESIGN OF THE FIRE ALARM COMPONENTS FOR THE ULTRA-HIGH-SPEED DELUGE SYSTEM SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 15 AND FM LPDS 5-48.
5. PROVIDE A RELEASING PANEL FOR THE CONTROL OF THE ULTRA-HIGH-SPEED DELUGE SYSTEM AND INTERFACE WITH THE BUILDING FIRE ALARM CONTROL PANEL. THE DESIGN AND LOCATION OF THE RELEASING PANEL SHALL IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 15 SECTION 12.3.15.
6. PROVIDE ULTRAVIOLET/INFRARED (UV/IR) DETECTORS FOR ELECTRONIC ACTUATION OF THE ULTRA-HIGH-SPEED DELUGE SYSTEM. THE DESIGN OF UV/IR DETECTORS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 15 SECTION 12.3.14 AND FM LPDS 5-48.
7. PROVIDE THE ULTRA HIGH-SPEED DELUGE SYSTEM WITH A PRESSURE SWITCH FOR MONITORING ACTIVATION OF THE SYSTEM.
8. THE MANUAL DELUGE RELEASING PULL STATIONS LOCATED IN THE CAST BAY - ENERGETIC ROOM WILL ACTIVATE THE CASTING STAND AND FUTURE CASTING STAND DELUGE SYSTEMS. ALL OTHER MANUAL DELUGE RELEASING PULL STATIONS SHOWN ON PLANS WILL ACTIVATE THE DETOOL, XRAY, DEFLASH/INSPECTION, AND NOZZLE REMOTE INSTALL DELUGE SYSTEMS.

#SHEET KEYNOTES

1. FIRE ALARM CONTROL PANEL.
2. MONITOR RISER WATERFLOW AND TAMPER SWITCHES.
3. ULTRA HIGH-SPEED DELUGE RELEASING CONTROL PANEL.
4. MONITOR MODULES FOR ULTRA HIGH-SPEED DELUGE SYSTEM TAMPER SWITCHES AND PRESSURE SWITCHES.
5. PROVIDE UV/IR DETECTOR COVERAGE OVER ENTIRE DELUGE PROTECTED AREA IN ACCORDANCE WITH NFPA 15.
6. WATERFLOW AND PRESSURE SWITCHES FOR ULTRA HIGH SPEED DELUGE SYSTEM. LOCATIONS OF SWITCHES ARE SHOWN FOR REFERENCE. FINAL DESIGN AND LOCATION OF ALL VALVES, SWITCHES, AND COMPONENTS OF ULTRA HIGH SPEED DELUGE SYSTEMS ARE TO BE DELEGATED DESIGN OF THE CONTRACTOR.
7. PROVIDE SMOKE DETECTION IN CARBON LINER MIXING ROOM PER IBC SECTION 903.3.1.1.1(1) SINCE SPRINKLERS ARE TO BE OMITTED FROM THE ROOM.
8. NO FIRE ALARM SYSTEM PROVIDED IN THE BOILER BUILDING DUE TO BEING AN UNOCCUPIED SPACE AND NOT MEETING THE MINIMUM BUILDING AREA REQUIREMENTS FOR FIRE ALARM PROTECTION PER IBC SECTION 907.
9. PROVIDE SMOKE DETECTOR OVER FACP.
10. PROVIDE CONTROL MODULES TO CLOSE DAMPER AND SHUT DOWN DUST COLLECTION SYSTEM UPON ACTIVATION OF ASSOCIATED SMOKE DETECTOR

KEY PLAN



GRAPHIC SCALE(S)

8' 16' 32' 48'
1/16" = 1'-0"

PLAN NORTH
TRUE N

NABHOLZ

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
NO. 22431
WILLIAM J. ELDRIDGE
09/18/24

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License #: 178
License Exp Date: 12/31/2024

DSGN NO.	DATE	REVISION	CHK	DR
D	09/18/2024	100% ISSUED FOR CONSTRUCTION - EXPANSION	A.F.	W.F.

WF	TM	R.S.	TM
BY	APVD	APVD	

GMLRS
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

FIRE PROTECTION
GROUND FLOOR FIRE ALARM PLAN
OVERALL CEILING PLAN

SHEET NO
FA102

SCALE	1/16" = 1'-0"
DATE	09/18/2024
PROJ	D3754502
DWG	CMDN-OSD_GMLRS_FA102

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