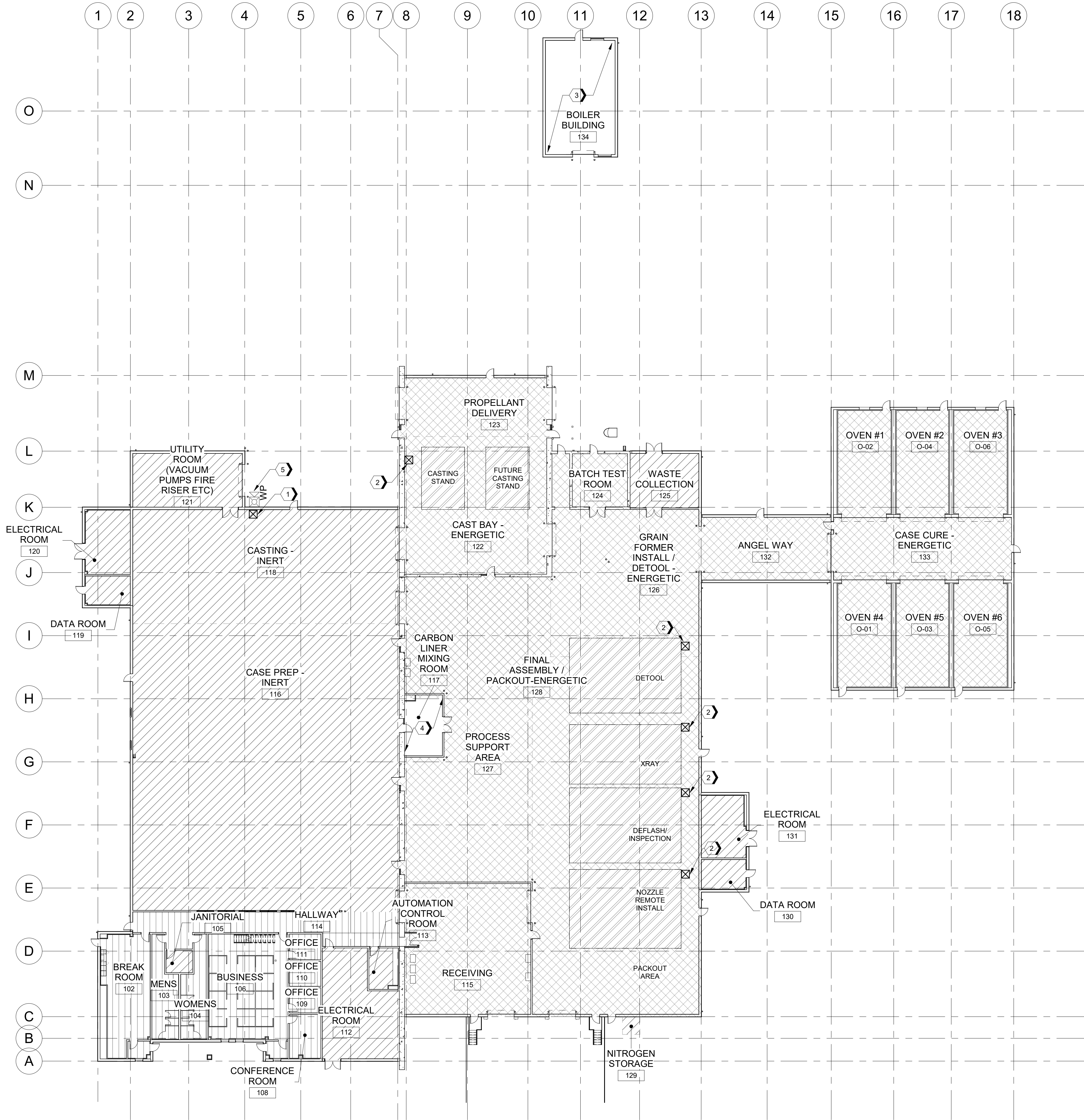


SPRINKLER DESIGN CRITERIA									
HATCH	NFPA 13 HAZARD CATEGORY	FM LPDS 3-26 HAZARD CATEGORY	SYSTEM TYPE	CEILING HEIGHT UP TO 30'-0"	CEILING HEIGHT 30'-0" - 45'-0"	CEILING HEIGHT 45'-0" - 60'-0"	HOSE STREAM DURATION	K-FACTOR	REQUIRED SPRINKLER
	LIGHT HAZARD	HC-1	WET-PIPE	0.10 GPM/SF OVER THE MOST REMOTE 1,500 SF	0.20 GPM/SF OVER THE MOST REMOTE 2,500 SF	0.20 GPM/SF OVER THE MOST REMOTE 2,500 SF	250 GPM FOR 60 MINUTES	5.6	ORDINARY, QUICK-RESPONSE
	ORDINARY HAZARD	HC-2	WET-PIPE	0.20 GPM/SF OVER THE MOST REMOTE 2,500 SF	0.20 GPM/SF OVER THE MOST REMOTE 2,500 SF	0.20 GPM/SF OVER THE MOST REMOTE 2,500 SF	250 GPM FOR 60 MINUTES	8.0	INTERMEDIATE, QUICK RESPONSE
	EXTRA HAZARD	HC-3	WET-PIPE	0.30 GPM/SF OVER THE MOST REMOTE 2,500 SF	0.30 GPM/SF OVER THE MOST REMOTE 3,000 SF	0.50 GPM/SF OVER THE MOST REMOTE 3,000 SF	500 GPM FOR 60 MINUTES	11.2	INTERMEDIATE, STANDARD RESPONSE

NOTES:
1. CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR MAXIMUM ROOM HEIGHTS TO DETERMINE SPRINKLER DESIGN CRITERIA FOR EACH ROOM.
2. SPRINKLER DESIGN DENSITIES ARE TO BE DETERMINED FROM THE FM LPDS 3-26 HAZARD CATEGORY REQUIREMENTS.

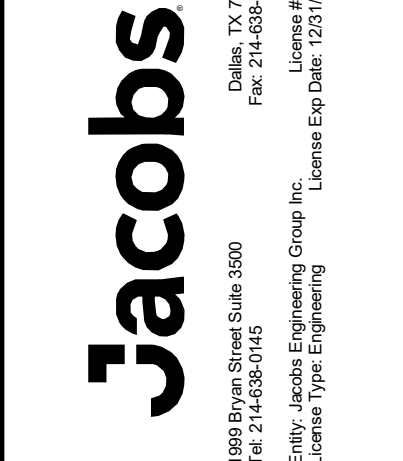
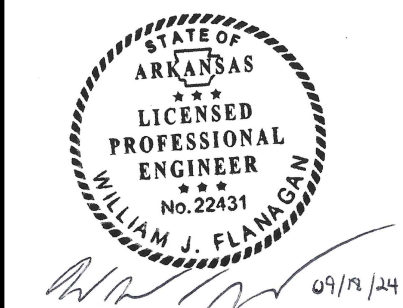
SPECIALTY SYSTEM DESIGN CRITERIA				
HATCH	SYSTEM TYPE	DESIGN TYPE	DESIGN DENSITY	AREA
	ULTRA-HIGH-SPEED DELUGE	AREA APPLICATION	0.5 GPM/FT²	OVER HATCHED AREAS SHOWN ON PLANS



A1 GROUND FLOOR FIRE PROTECTION PLAN
SCALE 1" = 20'-0"

GENERAL SHEET NOTES

- REFER TO SHEET F-001 FOR GENERAL NOTES AND SYMBOLS.
- REFER TO SHEETS FX801 & FX802 FOR FIRE PROTECTION DETAILS.
- ULTRA-HIGH-SPEED DELUGE SYSTEMS SHALL BE PROVIDED IN LOCATIONS WITH AN ELEVATED RISK OF DEFLAGRATION.
- THE DESIGN OF ULTRA-HIGH-SPEED DELUGE SYSTEMS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 15.
- THE DESIGN DENSITY FOR THE ULTRA-HIGH-SPEED DELUGE SYSTEMS SHALL BE A MINIMUM OF 0.50 GPM/FT² OVER THE ENTIRE PROTECTED AREA.
- PROVIDE SPRINKLER PROTECTION IN DUST COLLECTION SYSTEM PER FM LPDS 7-76.

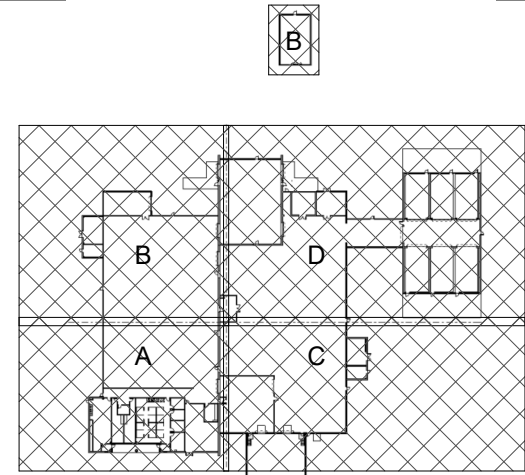


NO.	DATE	BY	APPROVED	REVISION	CHK	R.S.	A.E.
1	09/18/2024	WF	TM	100% ISSUED FOR CONSTRUCTION - EXPANSION	DR		

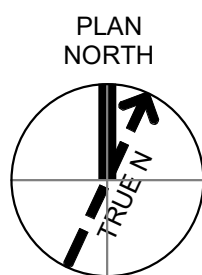
#SHEET KEYNOTES

- WET-PIPE SPRINKLER RISER LOCATION.
- PRELIMINARY ULTRA HIGH SPEED DELUGE RISER LOCATION. FINAL LOCATION TO BE DETERMINED BY CONTRACTOR.
- NO SPRINKLER COVERAGE PROVIDED IN THE BOILER BUILDING DUE TO BEING AN UNOCCUPIED SPACE AND NOT MEETING THE MINIMUM BUILDING AREA REQUIREMENTS FOR SPRINKLER PROTECTION PER IBC SECTION 903.
- SPRINKLERS SHALL BE OMITTED FROM THE CARBON LINER MIXER ROOM IN ACCORDANCE WITH IBC SECTION 903.3.1.1(1) DUE TO THE STORAGE OF IPDI WHICH PRESENTS A SERIOUS LIFE SAFETY HAZARD WHEN EXPOSED TO WATER.
- PROVIDE WEATHERPROOF SPRINKLER BELL ON EXTERIOR WALL NEAR FIRE RISER.

KEY PLAN



GRAPHIC SCALE(S)



SHEET NO	FX102
SCALE	As indicated
DATE	09/18/2024
PROJ	D3754502
DWG	