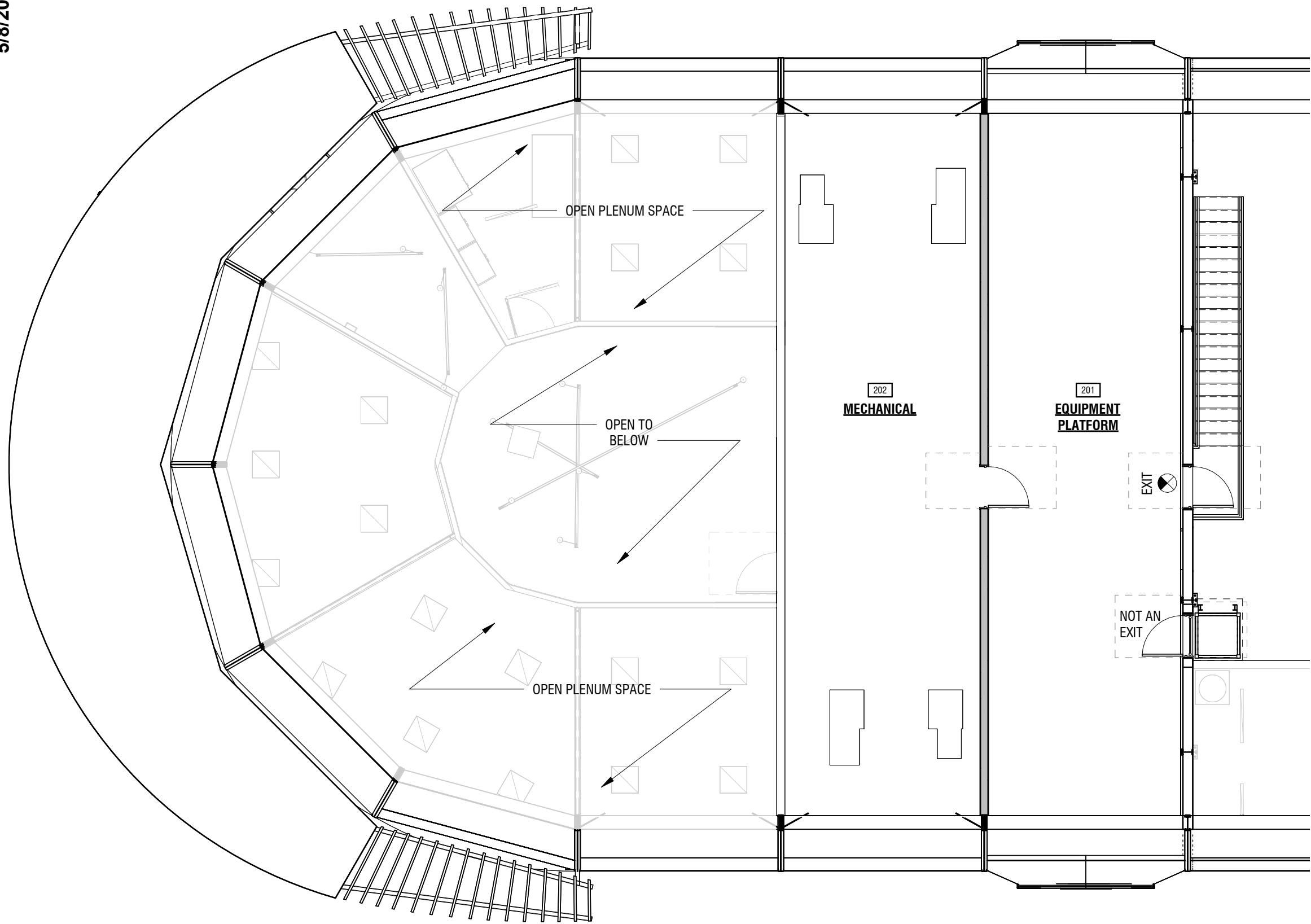




2 EQUIPMENT PLATFORM LIFE SAFETY PLAN
A0.3 1/8" = 1'-0"

BUILDING INFORMATION

BUILDING CODES:

BUILDING: 2021 ARKANSAS FIRE PREVENTION CODE VOL. II
PLUMBING: 2018 ARKANSAS PLUMBING CODE
GAS: 2018 ARKANSAS GAS CODE
ELECTRICAL: 2020 NATIONAL ELECTRICAL CODE
MECHANICAL: 2021 ARKANSAS MECHANICAL CODE
FIRE: 2021 ARKANSAS FIRE PREVENTION CODE VOL. I
ENERGY: 2014 ARKANSAS ENERGY CODE
LIFE SAFETY: 2021 NFPA AW REFERENCED BY 2021 ARKANSAS FIRE PREVENTION CODE
ACCESSIBILITY: 2009 ANSI A117.1

LOCAL FIRE DEPARTMENT

FIRE CHIEF: WILLIAM HYDE
ADDRESS: 201 N 1ST ST.
ROGERS, AR 72705
PHONE: (479) 621-1179
EMAIL: whyde@rogersar.gov

USE & OCCUPANCY CLASSIFICATION:

BUSINESS GROUP (B):	CIVIC ADMINISTRATION	SECTION 304
STORAGE GROUP (S-1):	ACCESSORY STORAGE SPACES	SECTION 311
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	4,148 SF / 300 GROSS = 14	SECTION 1004
BUSINESS AREA	7,467 SF / 150 GROSS = 50	SECTION 1004

TOTAL OCCUPANT LOAD = 64

CONSTRUCTION TYPE:

TYPE: PROTECTED OR UNPROTECTED:	IIB, NON-SPRINKLERED UNPROTECTED	TABLE 601
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ACCESSORY OCCUPANCIES:

B TO S-1	N/A = MORE THAN 10%	SECTION 508.2
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SEPARATED USES:

B TO S-1	0 HOURS = NO SEP. REQ.	TABLE 508.4
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ALLOWABLE HEIGHT & BUILDING AREA (TABLE 503):

MAXIMUM BUILDING HEIGHT:	(B) 55'-0"	TABLE 504.3
	(S-1) 55'-0"	
MAXIMUM NUMBER OF FLOORS:	(B) 3	TABLE 504.4
	(S-1) 2	
ACTUAL BUILDING HEIGHT:	30'-2 1/4"	
ALLOWABLE AREA PER FLOOR:	(B) 23,000 SF.	TABLE 506.2
	(S-1) 17,500 SF.	
FIRE AREA MAX:	(S-1) 12,000 SF.	SECTION 903.2.9
ACTUAL SQUARE FOOTAGE	(B) 7,467 SF.	
	(S-1) 4,148 SF.	
TOTAL ACTUAL SQUARE FOOTAGE	11,615 SF.	

FIRE RESISTANCE AND PROTECTION REQUIREMENTS

FIRE RESISTANCE REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601)

FIRE WALLS	(B) = 3-HR (TYPE II-B = 2 HR)	TABLE 706.4
PRIMARY STRUCTURAL FRAME	0-HR / NON-COMBUSTIBLE	TABLE 601
EXTERIOR BEARING WALLS	0-HR / NON-COMBUSTIBLE	TABLE 601
INTERIOR BEARING WALLS	0-HR / NON-COMBUSTIBLE	TABLE 601
EXTERIOR NON-BEARING WALLS / PARTITIONS	(B) = <5 (1) 5-10 (1) 10-30 (0) >30 (0)	TABLE 602
INTERIOR NON-BEARING WALLS / PARTITIONS	0-HR / NON-COMBUSTIBLE	TABLE 601
FLOOR CONSTRUCTION	0-HR / NON-COMBUSTIBLE	TABLE 601
ROOF CONSTRUCTION	0-HR / NON-COMBUSTIBLE	TABLE 601

FIRE RATING FOR EXTERIOR WALL MAX. OPENINGS

> 30' UNPROTECTED	NOT REQUIRED	TABLE 705.8
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OCCUPANCY AND USE FIRE RATINGS

SHAFT ENCLOSURE	TYPE BARRIER	HOURLY 1 HR (<4)	OPENING 1 HR	SECTION 713
INTERIOR STAIRS / RAMPS	BARRIER	1 HR (<4)	1 HR	SECTION 1022
EXIT ACCESS STAIRS	BARRIER	1 HR (<4)	1 HR	SECTION 1099.3
CORRIDORS	PARTITION	0 HR (<30)	0 HR (<30)	SECTION 1018
STORAGE	PARTITION	N/R (B)	N/R (B)	SECTION 508.4

LIFE SAFETY:

SPINKLER REQUIREMENTS:	NON-SPRINKLERED	SECTION 903
STANDPIPE	NOT REQUIRED	SECTION 905.3.1
PORT. FIRE EXTINGUISHERS: (NFPA 10)	REQUIRED	SECTION 906.1
CLASS A (MIGHT)	MIN. 2-A / 3,000 SF/A / 11,250 SF PER EXT. / 75' MAX. TD	
CLASS A (MIGHT)	MIN. 2-A / 1,500 SF/A / 11,250 SF PER EXT. / 75' MAX. TD	
HEAT DETECTORS:		SECTION 907.2
MANUAL FIRE ALARM: (NFPA 72)		SECTION 907.2
SMOKE DETECTORS: (NFPA 72)	(B) > 500 OCC.	SECTION 907.2
SMOKE ALARMS: (NFPA 72)		SECTION 907.2
EMERGENCY VOICE ALARM: (NFPA 72)		SECTION 907.5.2.2
EMERGENCY POWER	REQUIRED	SECTION 2702
EMERGENCY LIGHTING	REQUIRED	SECTION 1006
SMOKE & HEAT VENTS	NOT REQUIRED	SECTION 910
ALARMS:	AUDIBLE / VISUAL REQUIRED	SECTION 907.5

ENERGY CODE REQUIREMENTS: CLIMATE ZONE 3A

ROOF (INSULATION ENTIRELY ABOVE ROOF DECK):	N/A	
WALLS (METAL FRAMED):	N/A	
SLAB (UNHEATED):	NR	
OPAQUE ENTRY DOORS:	U-0.70	
GLAZED ENTRY DOORS:	U-0.85	
WINDOWS / FIXED GLASS:	U-0.50	
ALL EXTERIOR GLASS:	U-0.55	

INTERIOR ENVIRONMENTS

INTERIOR FINISH REQUIREMENTS (TABLE 803.9)

CLASS OF FINISHES: (B)	VERTICAL	EXIT CORRIDOR	ROOMS
CLASS OF FINISHES: (S)	A NON SPKL	B NON SPKL	C NON SPKL
	A NON SPKL	A NON SPKL	C NON SPKL

MEANS OF EGRESS REQUIREMENTS

EGRESS REQUIREMENTS

MAX TRAVEL DISTANCE:	(B)=200' (NON SPRINKLERED)	TABLE 1016.2
MAX DEAD END CORRIDOR:	(B)=20' (NON SPRINKLERED)	SECTION 1018.4
COMMON PATH OF TRAVEL:	(B)=100' (NON SPRINKLERED)	TABLE 1014.3
EGRESS CAPACITY:	LEVEL & OTHER COMPONENTS	SECTION 1005.3.2
STAIRS	.20' / 15' W / SPKL	SECTION 1005.3.1
MIN. CORRIDOR	.30' / 20' W / SPKL	TABLE 1020.3
MIN. CLEAR DOOR WIDTH	44" MIN.	SECTION 1008.1
MIN. STAIR WIDTH	32" MIN. 48" MAX. SINGLE DOOR	SECTION 1005.3.1
44" OR 48" IF PART OF EGRESS		
NUMBER OF EXITS:		
FOR ONE EXIT:		
MAX NO. OCCUPANTS	(B)=49 OCC.	TABLE 1006.2.1
MAX. TRAVEL DISTANCE	(B)=75'	TABLE 1006.2.1
MAX NO. OCCUPANTS	(S)=29 OCC.	TABLE 1006.2.1
MAX. TRAVEL DISTANCE	(S)=100' (IF ≤ 30 OL)	TABLE 1006.2.1

STAIR CONSTRUCTION

CONSTRUCTION TYPE	NON-COMBUSTIBLE	SECTION 1009.9
MAX. RISE PER FLIGHT	12'-0"	SECTION 1009.10
MAX. RISER HEIGHT	7"	SECTION 1009.7
OPEN RISER NOT PERMITTED		
MIN. TREAD	11"	SECTION 1009.7
FORMULA	2R + T = 24" TO 25"	
MIN. NUMBER OF RISERS	N/A	
HANDRAIL PROJECTION	4 1/2"	SECTION 1012.8
HANDRAIL HEIGHT	34" - 38"	SECTION 1012.2
GUARDRAIL HEIGHT	42"	SECTION 1013.3
MIN. LANDING WIDTH	44"	SECTION 1009.8
HANDRAIL GRASPABILITY	1 1/4" - 2"	SECTION 1012.3
SMOKEPROOF ENCLOSURE	NOT REQUIRED	SECTION 1022.9

ACCESSIBILITY

TOILET REQUIREMENTS

STALL DIMENSIONS	60"x60"	
STALL DOOR	32"	
CLEARANCE IN FRONT OF STALL	42"	
TURNAROUND	67" W/IN TOILET ROOM	
MAX. COUNTER HEIGHT	34"	
MINIMUM CLEARANCE UNDER COUNTER	27"	

RAMPS

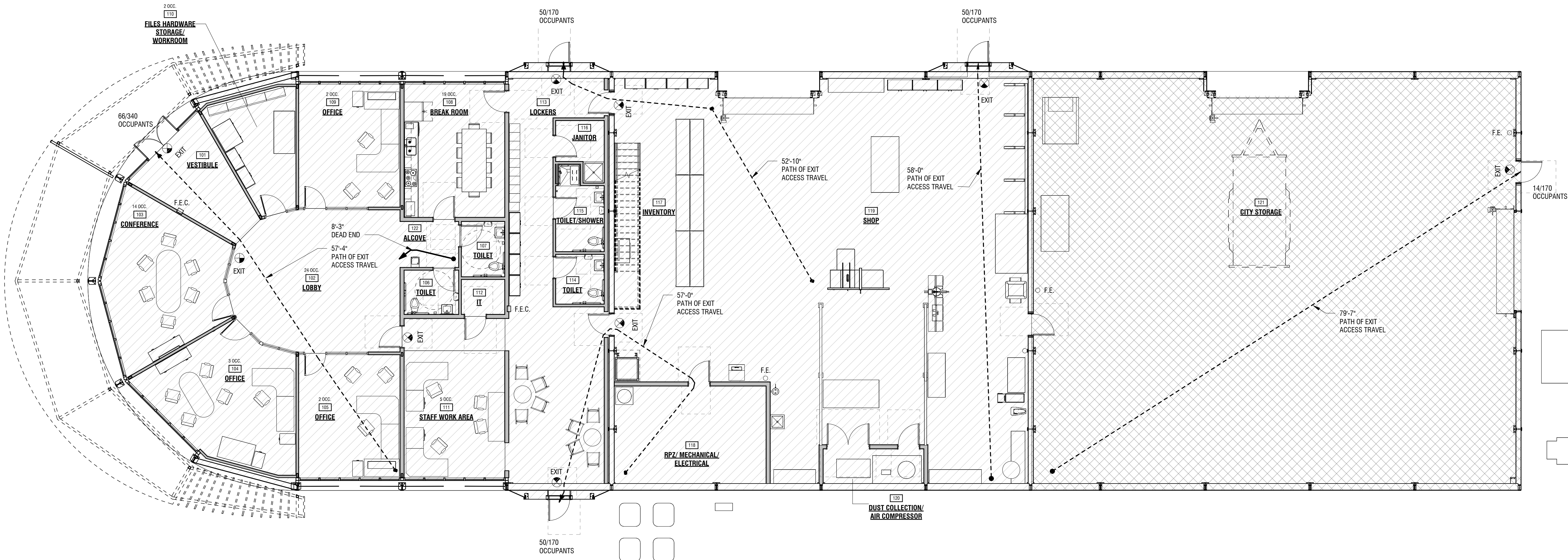
MAXIMUM DIFFERENCE IN ELEVATION	30"	
MAXIMUM SLOPE	1:12	
HANDRAILS:		
REQUIRED	OVER 6"	
HEIGHT	34" TO 38"	

PLUMBING REQUIREMENTS

OCCUPANTS: BUSINESS (GROSS FLOOR AREA) = 77 PERSONS

FIXTURES:

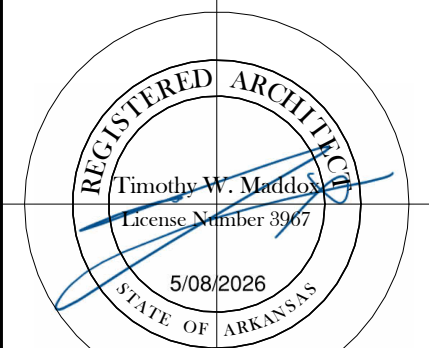
	(B) REQUIRED PER OCC.	PROVIDED
WATER CLOSETS	1 PER 25(50) / 1/50 AFTER = 3	4
URINALS	-	1
LAVATORIES	1 PER 40(80) / 1/80 AFTER = 2	4
SHOWERS	-	1
DRINKING FOUNTAIN	1 PER 100 = 1	1
SERVICE SINK	1	1



LEGEND: LIFE SAFETY PLAN

- B, BUSINESS (OFFICES)
- S-1, STORAGE
- PATH OF EXIT ACCESS TRAVEL
- COMMON PATH OF TRAVEL
- DEAD END TRAVEL
- F.E.C. FIRE EXTINGUISHER CABINET
- F.E. FIRE EXTINGUISHER W/ BRACKET
- EXIT SIGN
- EXIT/EMERGENCY LIGHT
- EMERGENCY LIGHT

1 LIFE SAFETY PLAN
A0.3 1/8" = 1'-0"



DEM X
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FAYETTEVILLE, ARKANSAS 72701 | 479.966.4871

A NEW BUILDING FOR THE
ROGERS FACILITIES DEPARTMENT
2295 N. ARKANSAS ST, ROGERS, ARKANSAS, 72756
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LIFE SAFETY PLAN & NOTES

A0.3