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G-101

APPLICABLE CODES AND STANDARDS

THIS PROJECT IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING CRITERIA AND OTHER PERTINENT DATA THAT ARE HEREIN INCORPORATED BY REFERENCE. THIS IS NOT A COMPLETE LIST, BUT INCLUDES THE MAJOR REFERENCES:

- ARKANSAS FIRE PREVENTION CODE VOLUME I, FIRE CODE, 2021 (2021 IFC WITH ARKANSAS AMENDMENTS)
- ARKANSAS FIRE PREVENTION CODE VOLUME II, BUILDING CODE, 2021 (2021 IBC WITH ARKANSAS AMENDMENTS)
- DOD CONTRACTORS SAFETY MANUAL FOR AMMUNITION AND EXPLOSIVES (4145.26) WITH CHANGE 2, AUGUST 31, 2018
- ARKANSAS ENERGY CODE, 2014 (2009 IECC WITH ARKANSAS AMENDMENTS)
- ARKANSAS NATIONAL ELECTRICAL CODE, 2020
- ARKANSAS PLUMBING CODE, 9TH EDITION, 2018
- INTERNATIONAL MECHANICAL CODE, 2021
- OSHA STANDARD 1910
- FM: ALL BUILDING SYSTEMS MUST FOLLOW APPLICABLE FM GLOBAL DATA SHEETS
- DOD 4145.26-M, DOD CONTRACTORS SAFETY MANUAL FOR AMMUNITION AND EXPLOSIVES
- AEROJET ROCKETDYNE CORPORATE STANDARD FOR OFFICE SPACE
- AEROJET ROCKETDYNE CAMDEN SITE STANDARD FOR MANUFACTURERS AND PRODUCTS
- AEROJET ROCKETDYNE SPECIAL REQUIREMENTS FOR CLASSIFIED AREAS

CODE ANALYSIS (ALL CODE REFERENCES ARE FROM IBC 2021)

- TYPE OF CONSTRUCTION (TABLE 602.2): TYPE II-B (NON-COMBUSTIBLE)
- FIRE PROTECTION: AUTOMATIC SPRINKLER SYSTEM/ WITH FIRE ALARM SYSTEM
- OCCUPANCY GROUP (MIXED): HIGH HAZARD (H-1)
MODERATE HAZARD STORAGE (S-1)
LOW HAZARD STORAGE (S-2)
- OCCUPANCY SEPARATION (IBC 2021 TABLE 508.4): NON - SEPARATED

GENERAL HEIGHTS AND AREAS

- NUMBER OF STORIES (ALLOWABLE PER TABLE 504.4): 1 STORY (H-1)
- BUILDING HEIGHT LIMITATION (ALLOWABLE PER TABLE 504.3): 55 FEET (H-1)
- BUILDING AREA FACTOR (ALLOWABLE PER TABLE 506.2): 7,000 SF (H-1)
- NUMBER OF STORIES (ACTUAL) : 1 STORY
- BUILDING HEIGHT (ACTUAL) : 36'-6" FEET
- BUILDING AREA (ACTUAL) : 2,712 SF

MEANS OF EGRESS

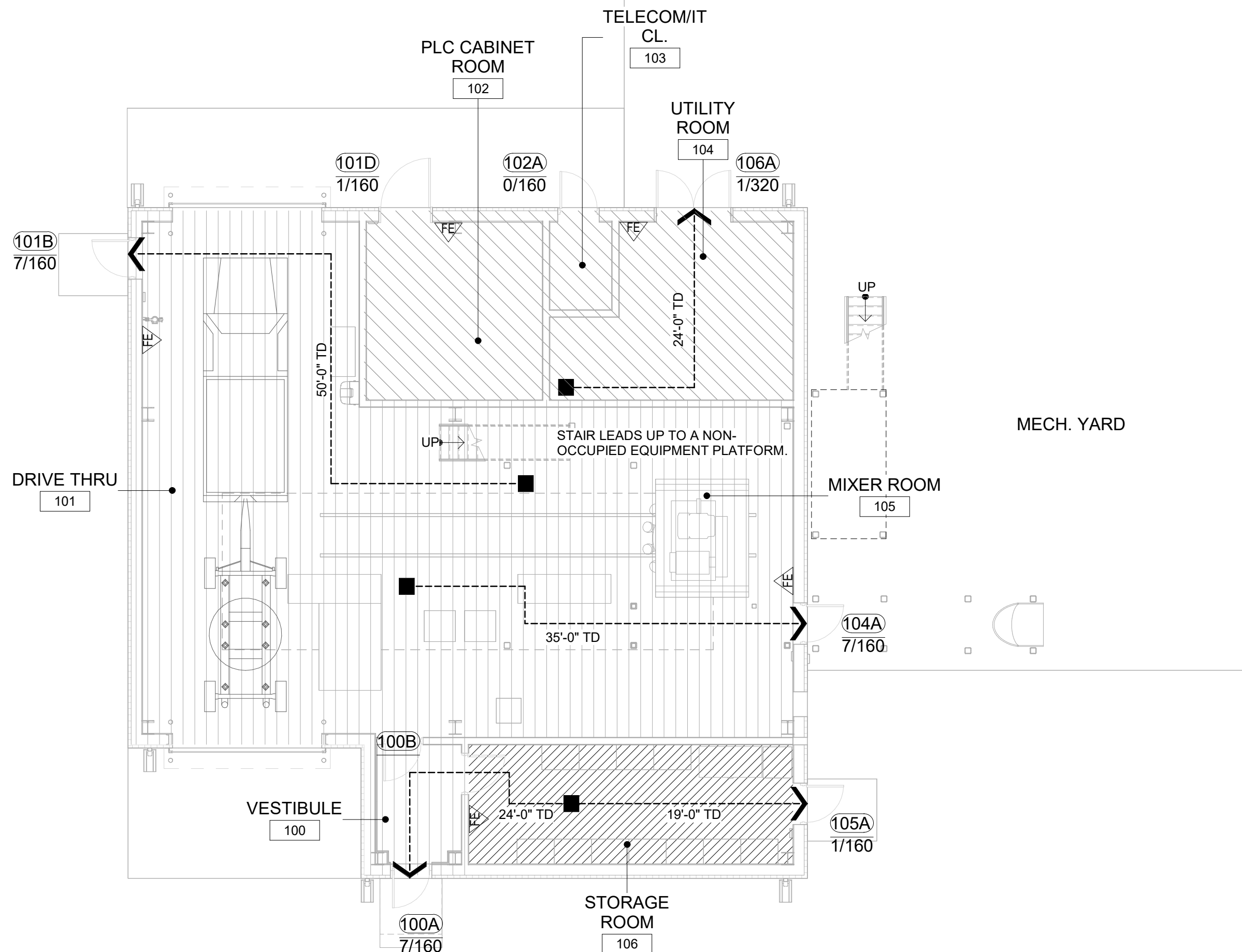
- HAZARDOUS (H-1) COMMON PATH OF TRAVEL (TABLE 1006.2.1): 25 FEET
- HAZARDOUS (H-1) EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2): 75 FEET
- HAZARDOUS (H-1) DEAD-END CORRIDOR (1020.5): 20 FEET
- CORRIDOR FIRE RESISTANCE RATING (TABLE 1020.2): 1 HOUR (H-1)
- MINIMUM CORRIDOR WIDTH (TABLE 1020.3): 36 INCHES
- MINIMUM DOOR WIDTH (1010.1.1): 32 INCHES
- EGRESS WIDTH PER OCCUPANT (1005.3.2): 0.2 INCHES PER OCCUPANT (H-1)

OCCUPANT LOAD (IBC 2021 TABLE 1004.5)

- TOTAL OCCUPANTS HAZARD (H-1) (CALCULATED):
2,014 GROSS SQUARE FEET / 100 GROSS SQUARE FEET= 21 OCCUPANTS
- TOTAL OCCUPANTS MECHANICAL EQUIPMENT AREA (S-2) (CALCULATED):
493 GROSS SQUARE FEET / 300 GROSS SQUARE FEET= 2 OCCUPANTS
- TOTAL OCCUPANTS ACCESSORY STORAGE AREA (S-1) (CALCULATED):
253 GROSS SQUARE FEET / 300 GROSS SQUARE FEET= 1 OCCUPANT
- BUILDING TOTAL (CALCULATED): 24 OCCUPANTS

A2 LIFE SAFETY PLAN

SCALE 1/8" = 1'-0"



GENERAL SHEET NOTES

- THE PURPOSE OF THIS DOCUMENT IS TO CONVEY BRIDGING DOCUMENTS TO THE DESIGN BUILD CONTRACTOR.
- THE DESIGN MUST COMPLY WITH ALL LOCAL AND STATE CODES. WHERE CONFLICTS OCCUR, THE DESIGN MUST COMPLY WITH THE MOST STRINGENT REQUIREMENTS.
- REFER TO FIRE PROTECTION DRAWINGS FOR ALARM AND SPRINKLER SYSTEM.
- REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGNS AT DOORS, EXIT LIGHTS AND EMERGENCY LIGHTING.
- PROVIDE ABC PORTABLE FIRE EXTINGUISHERS IN ACCORDANCE WITH IFC SECTION 906.

LIFE SAFETY

PATH OF EXIT TRAVEL WITH DISTANCES FROM SELECTED REMOTE LOCATIONS TO NEAREST EXIT. INCLUDES: TOTAL TRAVEL DISTANCE (TD) AND COMMON PATH OF TRAVEL(CP).

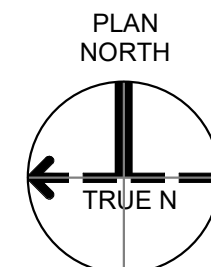
- INDICATES START OF CP & TD
- INDICATES END OF CP
- INDICATES POINT OF EXIT
- ROOM NUMBER
- EXIT LOCATION (DOOR NUMBER)
- TOTAL EXIT CAPACITY OF OPENING IN NUMBER OF OCCUPANTS
- CALCULATED QUANTITY OF OCCUPANTS PER EXIT
- EXIT LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- 1 HOUR FIRE RATED PARTITION
- 2 HOUR FIRE RATED PARTITION
- FIRE EXTINGUISHER TYPE ABC

OCCUPANCY LEGEND

	HIGH HAZARD (H-1)
	MODERATE HAZARD STORAGE (S-1)
	LOW HAZARD STORAGE (S-2)

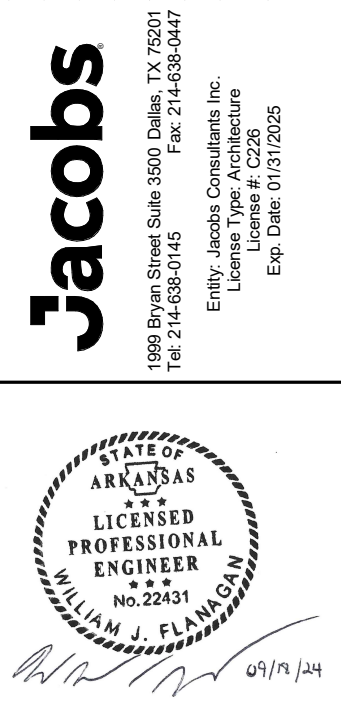
GRAPHIC SCALE(S)

0 4' 8' 16' 24'
1/8" = 1'-0"



SHEET NO	G-101
SCALE	As indicated
DATE	09/18/2024
PROJ	D3754502
DWG	CAMDEN OSD_Mixer-Building_1_G-101

PLOT DATE/TIME: 9/18/2024 11:43:27 AM



Mixer 1
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

JACOBS
GENERAL
LIFE SAFETY PLAN AND CODE
REQUIREMENTS

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