

9/18/2024 11:46:36 AM G-102 Autodesk Docs://US_D3754502_FED_Aerojet Rocketdyne/D3754502_CADD_OSD_TestStand_ARC-HINT.rvt

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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
- AMERICANS WITH DISABILITIES ACT (ADA), 2010
- 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

CODE ANALYSIS (ALL CODE REFERENCES ARE FROM IBC 2021)

TYPE OF CONSTRUCTION (602.2):

TYPE II-B (NON-COMBUSTIBLE)

FIRE PROTECTION:

SPRINKLER AND FIRE ALARM NOT REQUIRED PER IBC SECTION 903, 907

OCCUPANCY GROUP:

BUSINESS (B)

OCCUPANCY SEPARATION:

NOT REQUIRED

GENERAL HEIGHTS AND AREAS

NUMBER OF STORIES (ALLOWABLE PER TABLE 504.4):

3 STORIES (B)

BUILDING HEIGHT LIMITATION (ALLOWABLE PER TABLE 504.3):

55 FEET (B)

BUILDING AREA FACTOR (ALLOWABLE PER TABLE 506.2):

23,000 SF (B)

NUMBER OF STORIES (ACTUAL) (TABLE 504.4):

1 STORY

BUILDING HEIGHT (ACTUAL) (TABLE 504.3):

14'-1"

BUILDING AREA (ACTUAL) (TABLE 506.2):

479 SF

MEANS OF EGRESS

COMMON PATH OF TRAVEL (TABLE 1006.2.1):

100 FEET (B)

EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2):

200 FEET (B)

MAXIMUM DEAD END (1020.5)

20 FEET

CORRIDOR FIRE RESISTANCE RATING (TABLE 1020.2):

1 HOUR

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 (B)

OCCUPANT LOAD (IBC 2021 TABLE 1004.5)

TOTAL OCCUPANTS BUSINESS (B) (CALCULATED):

479 GROSS SQUARE FEET / 150 GROSS SQUARE FEET=

4 OCCUPANTS

BUILDING TOTAL (CALCULATED)

4 OCCUPANTS

1

2

3

4

5

1

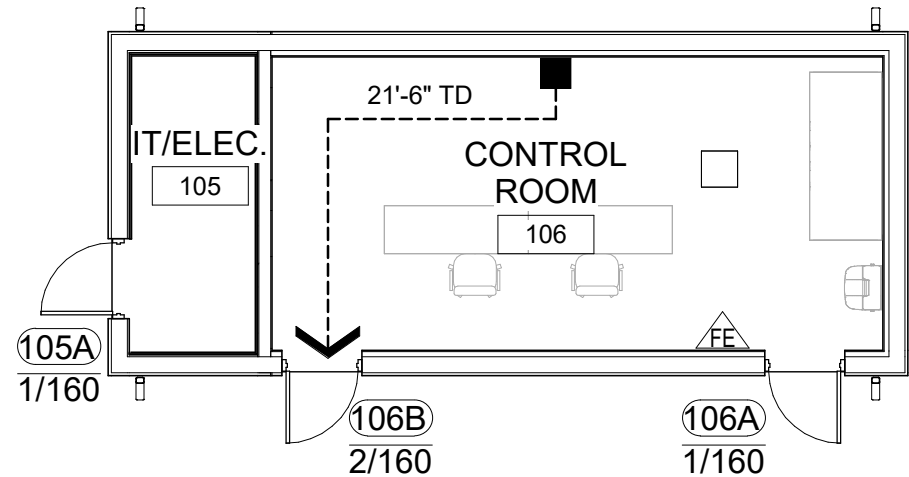
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A3 SAT BUILDING - LIFE SAFETY PLAN
SCALE 1/8" = 1'-0"



GENERAL SHEET NOTES

- A. THE PURPOSE OF THIS DOCUMENT IS TO CONVEY BRIDGING DOCUMENTS TO THE DESIGN BUILD CONTRACTOR.
- B. THE DESIGN MUST COMPLY WITH ALL LOCAL AND STATE CODES. WHERE CONFLICTS OCCUR, THE DESIGN MUST COMPLY WITH THE MOST STRINGENT REQUIREMENTS.
- C. REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGNS AT DOORS, EXIT LIGHTS AND EMERGENCY LIGHTING.

LIFE SAFETY

PATH OF EXIT TRAVEL WITH DISTANCES FROM SELECTED REMOTE LOCATIONS TO NEAREST EXIT. INCLUDES; TOTAL TRAVEL DISTANCE (TD)

146.TD--■ INDICATES START OF TD
←----- INDICATES POINT OF EXIT

117 ROOM NUMBER

123B EXIT LOCATION (DOOR NUMBER)

10/160 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

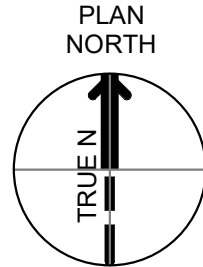
2 HOUR FIRE RATED PARTITION

FE FIRE EXTINGUISHER TYPE ABC

OCCUPANCY LEGEND

(NO PATTERN) UTILITY AND MISCELLANEOUS (U)

GRAPHIC SCALE(S)



SHEET NO	
G-102	
SCALE	As indicated
DATE	09/18/2024
PROJ	D3754502
DWG	CADD-OCD_TestStand_G-102

Test Stand and SAT Building
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

GENERAL
LIFE SAFETY PLAN AND CODE
REQUIREMENTS - SAT BUILDING



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Exp. Date: 01/31/2025

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