

9/17/2024 5:46:49 PM G-101 Autodesk Docs://US_D3754500_FED_Aerojet Rocketdyne/D3754500_CADDN_OSD_Compressor-Building_ARCH-INT.rvt

1

2

3

4

5

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 (602.2):

TYPE II-B (NON-COMBUSTIBLE)

FIRE PROTECTION:

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

OCCUPANCY GROUP:

UTILITY AND MISCELLANEOUS (U)

OCCUPANCY SEPARATION:

NO SEPARATION REQUIRED

GENERAL HEIGHTS AND AREAS

NUMBER OF STORIES (ALLOWABLE PER TABLE 504.4):

2 STORY (U)

BUILDING HEIGHT LIMITATION (ALLOWABLE PER TABLE 504.3):

55 FEET (U)

BUILDING AREA FACTOR (ALLOWABLE PER TABLE 506.2):

8,500 SF (U)

NUMBER OF STORIES (ACTUAL):

1 STORY

BUILDING HEIGHT (ACTUAL):

15'-4" FEET

BUILDING AREA (ACTUAL):

658 SF

MEANS OF EGRESS

COMMON PATH OF TRAVEL (TABLE 1006.2.1) OCCUPANY LOAD ≤ 30 :

100 FEET (U)

EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2) WITHOUT SPRINKLER SYSTEM :

300 FEET (U)

MAXIMUM DEAD END (1020.5)

20 FEET

CORRIDOR FIRE RESISTANCE RATING (TABLE 1020.2): WITHOUT SPRINKLER SYSTEM :

1 HOUR (U)

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 (U)

OCCUPANCY LOAD (IBC 2021 TABLE 1004.5)

TOTAL OCCUPANTS UTILITY AND MISCELLANEOUS (U) (CALCULATED):

658 GROSS SQUARE FEET / 300 GROSS SQUARE FEET=

3 OCCUPANTS

BUILDING TOTAL (CALCULATED):

3 OCCUPANTS

1

2

3

4

5

A2 LIFE SAFETY PLAN
SCALE 1/8" = 1'-0"

GENERAL SHEET NOTES

A. REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGNS AT DOORS, EXIT LIGHTS AND EMERGENCY LIGHTING.

B. 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)

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)
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GRAPHIC SCALE(S)

0 4' 8' 16' 24'

1/8" = 1'-0"

PLAN NORTH

TRUE N

SHEET NO

G-101

SCALE

As indicated

DATE

09/18/2024

PROJ

D3754502

DWG

CADDN-OSD_Compressor-Building_G-101

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Exp. Date: 01/31/2025

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 22431
WILLIAM J. FLANNERY
09/19/24

Compressor-Building
Camden OSD
Calhoun County, Arkansas
Aerojet Rocketdyne

GENERAL
LIFE SAFETY PLAN AND CODE
REQUIREMENTS

REUSE OF DOCUMENTS: THIS DRAWING AND THE AREAS AND PORTIONS THEREOF MAY BE REUSED IN ANY MANNER WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
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