



LITTLE ROCK A.F.B.
ARKANSAS

ARCHITECT:

CONSULTANTS:

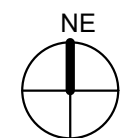
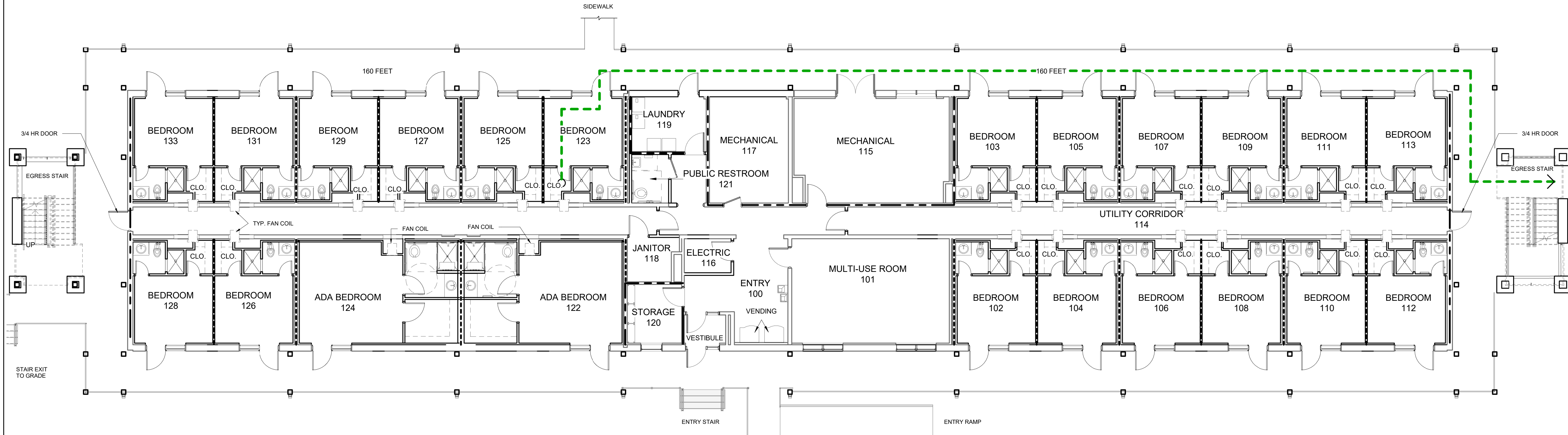
Project Status
NOT FOR
CONSTRUCTION

No.	Revision/Issue	Date	BY	APP'D

PROJECT TITLE
CCR For Repair Airmen
Dormitory B718

SHEET TITLE
LIFE SAFETY PLAN-FIRST
FLOOR

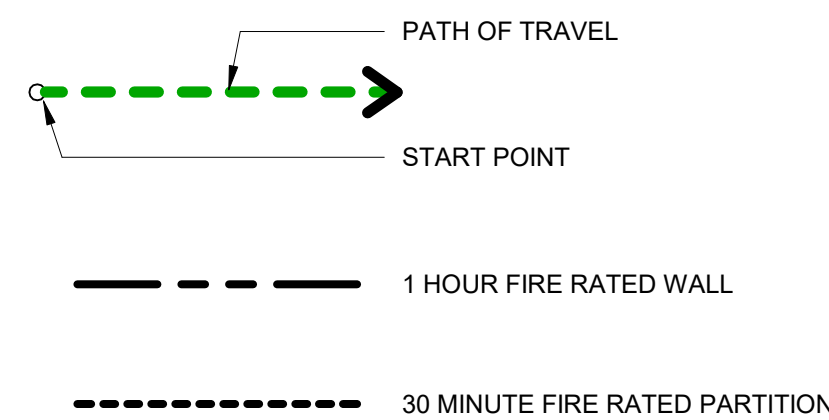
TECH REVIEWER	PROJECT NUMBER NKAK 22-1076
DESIGNED BY	SHEET T-103
DATE 07-17-2025	
SCALE As indicated	3 OF 33



1 FIRST FLOOR-LIFE SAFETY PLAN

1/8" = 1'-0"

LIFE SAFETY LEGEND:



BUILDING CODE ANALYSIS

APPLICABLE BUILDING CODES

UFC 1-200-01, 2019 with Change 1 - DOD Building Code (based on the 2018 IBC and 2018 IEBC)
UFC 1-200-02, 2020 - High Performance and Sustainable Building Requirements
UFC 3-310-04, 2013 with Change 1 - Seismic Design for Buildings
UFC 3-600-01, 2016 with Change 6 - Fire Protection Engineering for Facilities
UFC 4-010-01, 2018 with Change 1 - DOD Minimum Antiterrorism Standards for Buildings
UFC 4-023-03, 2009 with Change 3 - Design of Buildings to Resist Progressive Collapse
Architectural Barriers Act (ABA)

EXISTING BUILDING DATA

Number of Stories	3 Stories
Gross Area Per Floor (including exterior exit stairs and balconies under roof)	
First Floor	12,373 square feet
Second Floor	12,373 square feet
Third Floor	12,373 square feet
Building Height	35' (varies)

OCCUPANCY CLASSIFICATION

RESIDENTIAL GROUP R-2 Dormitory (Section 310.3)

SPECIAL REQUIREMENTS BASED ON OCCUPANCY

Separation Walls: Walls separating sleeping units (Section 420.2)	1/2 hour fire partition (Section 708.3)
Horizontal Separation: Floor assemblies separating sleeping units (Section 420.3)	1/2 hour (Section 711.2.4.2)

ALLOWABLE HEIGHT AND BUILDING AREA PER FLOOR

Max. Allowable Floor Area	21,000 sq. ft. per floor (Table 506.2)
Max. Allowable Height	60 feet (Table 504.3)
Max. Allowable Stories	3 (Table 504.4)

TYPE OF CONSTRUCTION

Construction Type: Type V, unprotected, sprinklered (Section 602.5)

FIRE PROTECTION

Corridor Walls: 1/2 hour (Section 708.3 Exception 1 and Table 1020.1)

INTERIOR FINISHES

Walls and Ceilings:

Interior Exit Passageways:	Class C
Corridors:	Class C
Rooms and Enclosed Spaces	Class C

Floors - Min Critical Radiant Flux: Class II

FIRE PROTECTION AND LIFE SAFETY SYSTEMS

Automatic Sprinkler System: Required (Section 903.2.8)
Fire Alarm Systems: Required (Section 907.2.9)

EXIT ACCESS CORRIDOR & STAIR SHAFT ENCLOSURE PROTECTION REQUIREMENTS

Corridor Walls: 1/2 hour (Section 708.3 Exception 1 and Table 1020.1)
Exterior Exit Stairways:

No rating provided exterior walls and openings of building with 10 feet are 1 hour rated with 3/4 hour rated openings.
Separation from interior of building not required per 1027.6 Exception 2

OCCUPANT LOADS (Table 1004.5)

Maximum Floor Area Allowances per Occupant = 50 Gross
12,373 sq. ft. per floor / 50 sq. ft. per occupant = 248 Occupants per floor

MEANS OF EGRESS SIZING

Stairway Egress Width (Section 1005.3.1): 248 Occupants x 0.3 inch per occupant = 75 inches
Other Means of Egress (Section 1005.3.2): 248 Occupants x 0.2 inch per occupant = 50 inches
Distribution of minimum width (Section 1005.5): More than one exit; can reduce capacity to 50% of required width
Exit Access Travel Distance (Table 1017.2): 250 feet plus up to 100 feet increase for Exterior Egress Balconies (Section 1017.2.1)