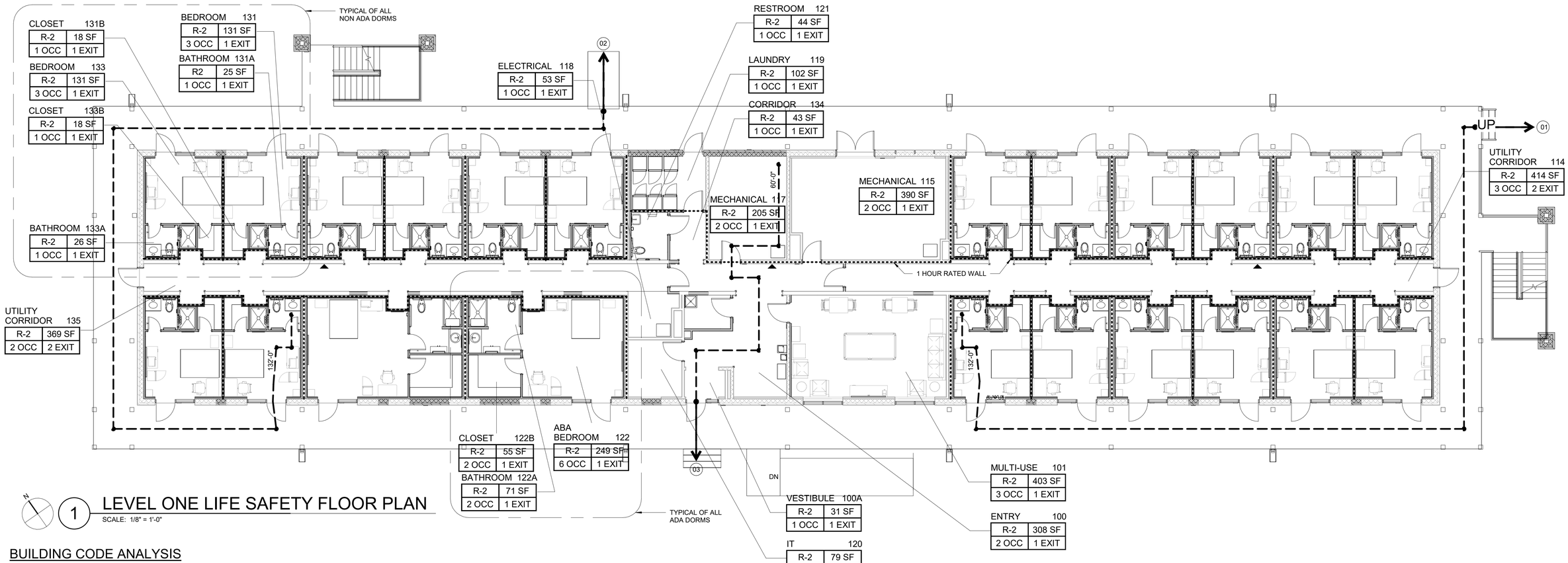


N

1 LEVEL ONE LIFE SAFETY FLOOR PLAN

SCALE: 1/8" = 1'-0"

BUILDING CODE ANALYSIS

APPLICABLE BUILDING CODES

2018 International Building Code
NFPA 101
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'

OCCUPANCY CLASSIFICATION

Residential Group	R-2 Dormitory (IBC Section 310.3)

SPECIAL REQUIREMENTS BASED ON OCCUPANCY

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

ALLOWABLE HEIGHT AND BUILDING AREA PER FLOOR

Maximum Allowable Floor Area	21,00 square feet per floor (IBC Table 506.2)
Maximum Allowable Height	60 feet (IBC Table 504.3)
Maximum Allowable Stories	3 (IBC Table 504.4)

TYPE OF CONSTRUCTION

Construction Type:	Type II, unprotected, sprinklered (IBC Section 602.5)

INTERIOR FINISHES

Walls and Ceilings:	
Interior Exit Passageways:	Class C
Corridors:	Class C
Rooms and Enclosed Spaces:	Class C
Floors - Minimum Critical Radiant Flux:	Class II

FIRE PROTECTION AND LIFE SAFETY SYSTEMS

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

EXIT ACCESS CORRIDOR AND STAIR SHAFT ENCLOSURE PROTECTION REQUIREMENTS

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

Separation from the interior of the building is not required where the exterior exit stairway or ramp is served by an exterior exit ramp or balcony that connects two remote exterior exit stairways or other approved exits with a perimeter that is not less than 50% open. To be considered open, the opening shall be not less than 50% of the height of there enclosing wall, with the top of the openings not less than 7 feet above the top of the balcony. IBC 1027.6 Exception 2

OCCUPANT LOADS (IBC Table 1004.5)

Maximum Floor Area Allowances per Occupant = 50 Gross
12,373 square feet per floor / 50 square feet = 248 Occupants per floor

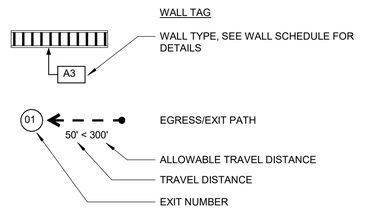
MEANS OF EGRESS SIZING

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

GENERAL DRAWING SYMBOLS

- 1 — REVISION CLOUD AND NUMBER SHOWN ON PLANS
- 1 — KEYED NOTE REFERENCE
- ROOM NAME / 101 / 150 SF — SYMBOL INDICATES A ROOM / AREA DESIGNATION, WITH ROOM NUMBER AND SQUARE FOOTAGE
- 1 — SYMBOL INDICATES A STRUCTURAL GRIDLINE OR DATUM
- 1ST FLOOR / EL. 602.50 — SYMBOL INDICATES A LEVEL DATUM IN A SECTION OR ELEVATION
- CALLOUT DENOTES A VIEW REFERENCE ABOUT A MATCHLINE

LIFE SAFETY TAGS & ANNOTATIONS



FIRE EXTINGUISHER

BRACKET MOUNTED FIRE EXTINGUISHER. WALL MOUNTED PULL HANDLE, MOUNTED AT 42" AFF UNLESS OTHERWISE NOTED.

CABINET MOUNTED FIRE EXTINGUISHER

EGRESS PATH

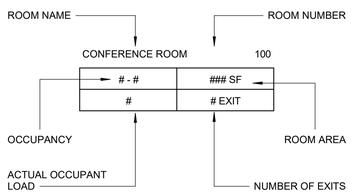
50' < 75' — EGRESS PATH WITH LENGTH OF TRAVEL DISTANCE AND LENGTH OF ALLOWANCE TRAVEL DISTANCE

50' < 75' — DEAD END CORRIDOR WITH LENGTH

EXIT SIGNAGE

EMERGENCY EGRESS SIGN
'EXIT' LETTERING SIDE SHOWN AS SHADED
DIRECTIONAL SIGN ARROWS

LIFE SAFETY ROOM DATA



PHASE GRAPHICS

- EXISTING ELEMENTS
- NEW ELEMENTS
- EXISTING ELEMENTS TO BE REMOVED/DEMOLISHED
- FUTURE CONSTRUCTION NEW ELEMENT

FIRE RATED WALL PATTERN

- 1 HOUR RATED WALL

SCALE

0 4' 8' 16'

SCALE: 1/8"=1'-0

REV #	DATE	DESCRIPTION	APP'D

APPROVED — CHIEF ENGINEER APPROVED — CIVIL ENGINEER

NKAK 22-1076
B718 DORM
LITTLE ROCK AFB

DETAILS (1)

LIFE SAFETY DIAGRAMS

AIR MOBILITY COMMAND
19TH CIVIL ENGINEER SQUADRON
LITTLE ROCK, ARKANSAS

DEPARTMENT OF THE AIR FORCE

DATE: JULY 2026
DESIGNED BY: GAA
DRAWN BY: TAH
BUILDING NO.:
PROJECT NO.:
SHEET REF.: G-002
SHEET NO.: 1 OF XX

STATUS:65% PRELIMINARY DESIGN