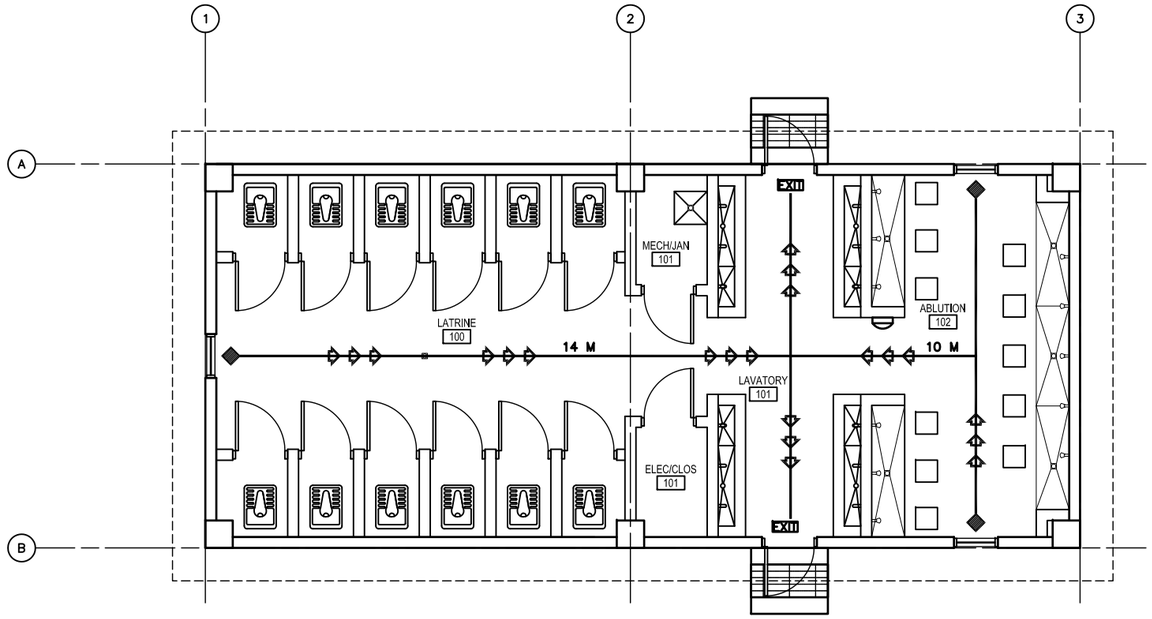

1 A-001 LIFE SAFETY PLAN
SCALE: 1:50

CODE ANALYSIS:

1. REFERENCES:
   2006 INTERNATIONAL BUILDING CODE (2006 IBC)
   2006 LIFE SAFETY CODE (2006 NFPA 101)

2. IBC OCCUPANCY CLASSIFICATION:
   GROUP U UTILITY AND MISCELLANEOUS (ASSEMBLY ≤300 NFPA 101 6.1.2 AND CHAPTER 12)

3. TYPE OF CONSTRUCTION (IBC): TYPE II–B (UNPROTECTED/NONSPRINKLERED)

4. IBC TABLE 503: ALLOWABLE HEIGHT AND BUILDING AREAS:
   GROUP U
   ALLOWABLE AREA: 789 SM
   ALLOWABLE HEIGHT: 2 STORIES (<16 M)

   GROUP U
   PROPOSED AREA: 112 SM
   PROPOSED HEIGHT: 1 STORY (<16 M)

5. IBC TABLE 601 & 602: FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS FOR TYPE II–B

BUILDING ELEMENT	RATING (HOUR)	REFERENCE
STRUCTURAL FRAME (COLUMNS, GIRDERS & TRUSSES)	0	TABLE 601
BEARING WALLS		
EXTERIOR	0	TABLE 601
INTERIOR	0	TABLE 601
NONBEARING WALLS & PARTITIONS		
INTERIOR	0	TABLE 601
FLOOR CONSTRUCTION	0	TABLE 601
ROOF CONSTRUCTION	0	TABLE 601
EXTERIOR WALL	0	TABLE 602

6. IBC TABLE 803.5 – INTERIOR WALL AND CEILING FINISH REQUIREMENTS FOR U OCCUPANCY/NONSPRINKLERED

GROUP	EXIT ENCLOSURES AND EXIT PASSAGEWAY	CORRIDORS	ROOMS AND ENCLOSED SPACES
U	NO RESTRICTIONS	NO RESTRICTIONS	NO RESTRICTIONS

7. NFPA 101 TABLE 7.3.1.2 – OCCUPANT LOAD
   ASSEMBLY ≤ 300 = 1.4 NET SM/PERSON CALCULATED = 80 OCCUPANTS
   ACTUAL = 35 OCCUPANTS

8. NFPA 101 TABLE 7.3.3.1 – EGRESS CAPACITY
   ASSEMBLY = 5 MM PER OCCUPANT

   REQUIRED: 400 MM (80 OCCUPANTS x 5 MM PER OCCUPANT)
   PROPOSED EGRESS CAPACITY: 1800 MM: (2) 900 MM DOORS

9. NFPA 101 PARAGRAPH 12.2.6 – EXIT ACCESS TRAVEL DISTANCE
   REQUIRED: 60 METERS
   PROPOSED: 14 METERS

10. NFPA 101 PARAGRAPH 12.3.6 (1) – CORRIDOR FIRE–RESISTANCE RATING (HOUR)
    CORRIDORS ARE NOT REQUIRED AS DOORS EXIT DIRECTLY TO OUTSIDE

11. NFPA 101 PARAGRAPH 12.2.4.1 AND 7.4.1.1 – MINIMUM NUMBER OF EXITS
    REQUIRED: 2 MINIMUM
    PROPOSED: 2 EXITS

12. NFPA 101 PARAGRAPH 12.3.2.1.2 – PROTECTION FROM HAZARDS
    SEPARATION AT STORAGE NOT REQUIRED. STORAGE ROOMS WILL NOT CONTAIN QUANTITIES OR MATERIALS DEEMED HAZARDOUS.

    INCIDENTAL USE AREAS: IBC TABLES 508.2
    1 HOUR SEPARATION FOR STORAGE ROOMS OVER 9.3 SM
    STORAGE AREAS ARE 3 SM EACH, SO SEPARATION IS NOT REQUIRED

LEGEND:

- DENOTES PATHS OF EXIT TRAVEL
- EXIT DENOTES DOOR AS AN EMERGENCY EXIT
- DENOTES STARTING POINT FOR TRAVEL DISTANCE
- DENOTES FIRE EXTINGUISHER LOCATIONS

LINEAR DIMENSIONS SHOWN ARE IN MILLIMETERS (MM), UNLESS OTHERWISE NOTED

0 1000 2000
SCALE: 1:50

APPROVED:

L1

US ARMY CORPS OF ENGINEERS
AFGHANISTAN ENGINEER DISTRICT

Mark	Description	Date	Appr.	Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT, AFGHANISTAN
CORPS OF ENGINEERS
APO AE 96338

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Designed by: KRC
Dwn by: EBB
Ckd by: NLJ
Reviewed by: LHM
Submitted by: BAKER
Date: 2/23/10
Rev: 0
Design file no.
Drawing code:
File name: ANALATSA-001
Plot date: 6/3/2010
Plot scale: X:X

STANDARD DESIGN
VARIOUS PROJECTS
VARIOUS LOCATIONS, AFGHANISTAN

LATRINE BUILDING
SMALL

LIFE SAFETY PLAN

Sheet reference number:
A–001