



DEMOLITION PIT

OBSTACLE LOG

ZERO TARGET

MACHINE GUN TOWER

CONTROL TOWER

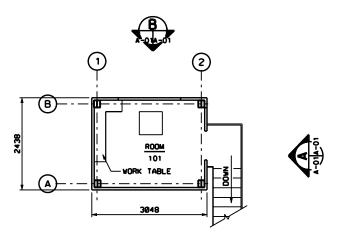
LIGHT POLE

BUTANE MACHINE GUN SIMULATOR

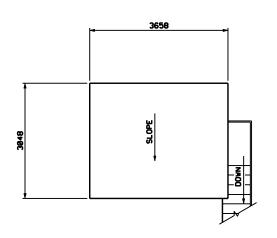
US Army Corps of Engineers

NIC-01

Sheet reference number:







NIC TOWER - ROOF PLAN

GENERAL

The Night Infiltration Course (NIC) Machine Gun Tower provides shelter for personnel during training exercises and space

for the installation of the required electronics and communications equipment. The occupant load factor is 7.4 net sq. meters (80 sq. feet) (per person) based on a training use. The height of the tower is based on providing line of sight to the firing line and down range areas where required. All dimensions not labeled are in millimeters.

SITE ADAPTATION

This standard definitive design should be adapted to local conditions such as climate, available construction materials and techniques, topography, seismic zone and the existing character of surrounding buildings. These factors may affect plans, elevations and building systems. The building foundation must be designed based on the results of a geotechnical investigation.

REFERENCE CRITERIA

The design and construction must comply with applicable codes and standards including: technical instruction TI 800-01. "Design Criteria": Department of the Army regulations, technical manuals, handbooks, training circulars, standards, and specifications: IBC, NEMA, ANSI/TIA/EIA, UL, ASTM, NFPA, etc..

FUNCTIONAL REQUIREMENT

A work surface is provided. The tower is accessed only by able-bodied personnel and does not require ADA compliance unless dictated by local criteria.

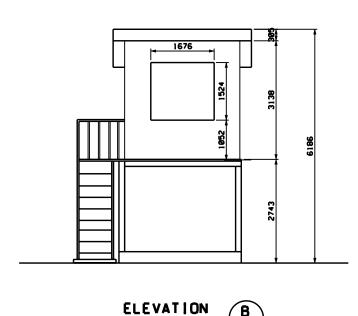
ELECTRICAL

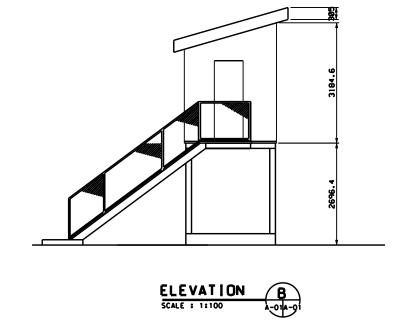
COMMUNICATION

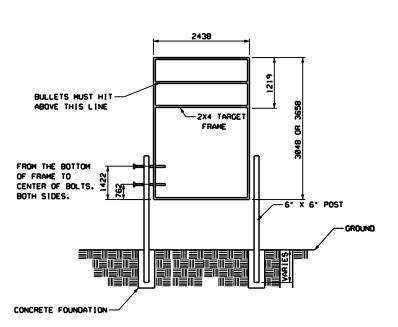
A two way intercom system back to the control tower should be provided.

FIRE PROTECTION

Fire protection is not required per fire codes for this building. Consult local Fire Marshall for compliance with local requirements.







TARGET FRAME - ELEVATION

GRAPHIC SCALES

1000 500 0 1000 2000

1:100



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