

SECTION 4

TEMPORARY FACILITIES

04.A GENERAL

04.A.01 Plans for the layout of temporary construction buildings, facilities, fencing, and access routes and anchoring systems for temporary structures shall be submitted to and approved by the GDA. > ***See 09.A.19 for temporary facility spacing requirements; Section 11 for temporary power distribution approval requirements; and Sections 21 and 22 for temporary ramp, trestle, scaffold, and platform approval requirements.***

04.A.02 The design and construction of temporary structures shall consider the following loadings (reference American Society of Civil Engineers (ASCE) 7-98):

- a. Dead and live loads,
- b. Soil and hydrostatic pressures,
- c. Wind loads,
- d. Rain and snow loads, and
- e. Seismic forces.

04.A.03 Trailers and other temporary structures used as field offices, to house personnel, or for storage shall be anchored with rods and cables or by steel straps to ground anchors. The anchor system shall be designed to withstand winds and must meet applicable State or local standards for anchoring mobile trailer homes.

EM 385-1-1

3 Nov 03

04.A.04 Fencing and warning signs.

a. Temporary project fencing (or a substitute acceptable to the GDA and delineated in the APP) shall be provided on all projects located in areas of active use by members of the public. Consideration will also be given to those areas proximate to family housing areas and/or school facilities.

b. Signs warning of the presence of construction hazards and requiring unauthorized persons to keep out of the construction area shall be posted on the fencing. At the minimum, posting shall be on all fenced sides of the project and spaced one sign every 300 feet (ft) (91.4 meters (m)). > **See also Section 8.**

c. For areas of minimal public exposure, fencing is not required, but signs, warning of construction hazards, shall be posted.

04.A.05 Temporary Work Camps (Floating plant excluded).

a. All sites used for temporary work camps shall be adequately drained. They shall not be subject to periodic flooding nor located within 200 ft (60.9 m) of swamps, pools, sink holes, or other surface collections of water unless adequate mosquito control methods have been implemented. The sites shall be graded, ditched, and rendered free from depressions in which water may become a nuisance.

b. Sites shall be sized to prevent overcrowding of necessary structures.

c. The grounds and open areas surrounding the shelters shall be maintained free of rubbish, debris, waste paper, garbage, or other refuse.

d. Shelters will provide protection from the elements, and each room used for sleeping purposes shall contain at least 50 square feet (ft²) (4.6 square meters (m²)) of floor space for each occupant and at least 7-ft, 6-in (2.3-m) ceilings.

e. Beds, cots, or bunks, and suitable storage facilities (such as wall lockers for clothing and personal articles) shall be provided in every room used for sleeping purposes. Beds shall be spaced not closer than 36 in (91.4 cm) both laterally and end-to-end and shall be elevated at least 12 in (30.4 cm) from the floor. Double-decked bunk beds shall be spaced not less than 48 in (121.9 cm) both laterally and end-to-end with a minimum space of not less than 27 in (68.5 cm) between the upper and lower bunk. Triple deck bunks are prohibited.

f. Floors shall be constructed of wood, asphalt, or concrete. Wooden floors shall be of smooth and tight construction. Floors shall be kept in good repair.

g. Living quarters shall be provided with windows that may be opened for purposes of ventilation.

h. All exterior openings shall be effectively screened with 16-mesh material and screen doors shall be equipped with self-closing devices.

i. Temporary sleeping quarters shall be heated, ventilated, lighted, and maintained in a clean and safe condition.

j. Sleeping quarters must comply with the National Fire Protection Agency (NFPA) 101.

04.A.06 Unless otherwise indicated, throughout this manual, lumber dimensions are given in nominal sizes.

