

UNIFIED FACILITIES CRITERIA (UFC)

FIRE PROTECTION ENGINEERING FOR FACILITIES



Overseas family housing, constructed or leased- constructed, must comply with provisions of \2\ the paragraph above entitled "Family Housing" /2/ and the host nation fire protection requirements. \2\ /2/

6-3.6 Leased Family Housing.

DoD personnel occupying leased housing deserve the same level of protection as those in DoD-owned housing. Implementation of these standards is therefore mandatory for all housing leased for DoD use. This requirement is intended to cover all situations, including privatized buildings, and host-nation and other foreign government buildings. This requirement is applicable for all new leases executed on or after 1 October 2006 and to renewal or extension of any existing lease on or after 1 October 2007. Leases executed prior to the above fiscal years will comply with these requirements where possible.

6-3.6.1 New Buildings.

Buildings that are built to lease to DoD as of the effective date established above must comply with the standards for new construction.

6-3.6.2 Existing Buildings.

New leases or renewals of leases of existing buildings will trigger the aforementioned requirements in accordance with the effective dates established above.

6-4 FOOD PREPARATION IN FACILITIES

6-4.1 Cooking Facilities for Other than Dwelling Units.

Hood and duct systems for commercial cooking equipment that produces smoke or grease-laden vapors must comply with NFPA 96, Ventilation Control and Fire Protection of Commercial Cooking Operations. Limit kitchen-extinguishing systems to wet chemical or automatic sprinklers installed in accordance with NFPA 96. Install fire suppression systems that sound a general building fire alarm and transmit a signal to the fire department or to a constantly monitored location.

6-4.2 Cooking Equipment in Facilities.

Areas, other than dwelling units \2\ in sprinklered buildings, with residential type range top cooking surfaces must be equipped with an approved residential range top extinguishing system or the stoves shall be equipped with burners and controls that have their temperature limited to a maximum temperature of 662 degrees F (350 degrees C).

If a range top extinguishing system is provided, it must be connected to the building fire alarm system to sound a general building fire alarm and must

automatically shut off all sources of fuel and electric power that produce heat to the equipment being protected by that unit. /2/

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6-5 DETENTION AND CORRECTIONAL FACILITIES.

6-5.1 Requirements.

Comply with NFPA 101 and the following:

6-5.1.1 Individual fire areas must not exceed 4647 m² (50,000 ft²).

6-5.1.2 Construction type must not be less than Type I - A, as defined in the IBC.

6-5.1.3 Provide a minimum separation from other structures and public ways of 20 ft (6.1 m).

6-5.1.4 Provide complete automatic sprinkler protection. Design must utilize institutional (breakaway) type sprinklers \1\ in areas accessible to inmates. /1/ Sprinkler piping in inmate areas must be concealed.

\1\ /1/

6-5.1.5 Provide an automatic smoke \1\ control /1/ system in cell areas. In addition, provide manual system activation controls at a continuously manned position outside of the cell area. \1\ Design the smoke control system in accordance with NFPA 92A, Standard for Smoke Control Systems Utilizing Barriers and Pressure Differences. /1/

6-5.1.6 Provide for constant visual supervision of cell areas. If this supervision is by direct line of sight \1\ by a central supervisory control area, then the area /1/ must be separated by not less than one-hour fire rated construction.

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6-5.1.7 Fire alarm notification in cell areas may be at a constantly attended location, with inmates notified by the staff of fire events. Positive alarm sequence may be provided in accordance with NFPA 72.

/1/

6-5.1.1 Locking Devices.

Provide mechanical or \1\ /1/ electrical gang, \1\ and individual /1/ release devices whenever 10 or more locks must be operated to release prisoners confined in cells. Require gang release devices to open doors necessary to evacuate prisoners to an area of refuge. Require heavy, identically keyed,