AREA VIII

PHYSICAL PLANT AND FACILITIES

S.10. THERE IS A CENTRAL SIGNAL AND FIRE ALARM SYSTEM.

S.10. There is a central signal and fire alarm system

USM buildings are equipped with a centralized signal and fire alarm system, ensuring timely and effective emergency response. This advanced system is designed to provide clear alerts throughout the building, with audible and visual alarms to accommodate individuals with hearing and visual impairments. The fire alarm system is integrated into the building's safety protocols, ensuring the safety and well-being of all occupants in the event of an emergency.

BUILDING PLAN PRESIDENTIAL DECREE
(P.D.) NO. 1096 ADOPTING A
NATIONAL BUILDING CODE OF THE PHILIPPINES (NBCP) THEREBY
REVISING REPUBLIC ACT NUMBERED SIXTY-FIVE HUNDRED FORTY-ONE
(R.A. No. 6541)

CHAPTER 5 REQUIREMENTS FOR FIRE ZONES SECTION 501. Fire Zones Defined

Fire zones are areas within which only certain types of buildings are permitted to be constructed based on their use or occupancy, type of construction, and resistance to fire.

SECTION 502. Buildings located in more than One Fire Zone

A building or structure which is located partly in one fire zone and partly in another shall be considered to be in the more highly restrictive fire zone, when more than one-third of its total floor area is located in such zone.

SECTION 503. Moved Building

Any building or structure moved within or into any fire zone shall be made to comply with all the requirements for buildings in that fire zone.

SECTION 504. Temporary Buildings

Temporary buildings such as reviewing stands and other miscellaneous structures conforming to the requirements of this Code, and sheds, canopies and fences used for the protection of the public around and in conjunction with construction work, may be erected in the fire zones by special permit from the Building Official for a limited period of time, and such buildings or structures shall becompletely removed upon the expiration of the time limit stated in such permits.

SECTION 505. Center Lines of Streets

For the purpose of this Chapter, the center line of an adjoining street or alley may be considered an adjacent property line. Distances shall be measured at right angles to the street or alley.

SECTION 506. Restrictions on Existing Buildings

Existing buildings or structures in fire zones that do not comply with the requirements for a new building erected therein shall not hereafter be enlarged, altered, remodeled, repaired or moved except as follows:

(a) Such building is entirely demolished;

(b) Such building is to be moved outside the limits of the more highly restrictive Fire Zone to a zone where the building meets the minimum standards;

(c) Changes, alterations and repairs may be made provided that in any 12-month period, the value of the work does not exceed twenty percent of the value of the existing building, and provided that, such changes do not add additional combustible material, and do not, in the opinion of the
Building Official, increase the fire hazard;

(d) Additions thereto are separated from the existing building by fire walls, as set forth in Sub-section 604 (b);

(e) Damage from fire or earthquake, typhoons or any fortuitous event may be repaired, using the same kind of materials of which the building or structure was originally constructed, provided that, the cost of such repair shall not exceed twenty percent of the replacement cost of the building or structure.

The National Building Code (P.D. 1096)

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SECTION 507. Designation of Fire Zones

The Secretary shall promulgate specific restrictions for each type of Fire Zone. Cities and municipalities shall be divided into such Fire Zones in accordance with local, physical, and spatial framework plans submitted by city or municipal planning and/or development bodies. *The National Building Code (P.D. 1096)*

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CHAPTER 6 FIRE-RESISTIVE REQUIREMENTS IN CONSTRUCTION SECTION 601. Fire-Resistive Rating defined

Fire-resistive rating means the degree to which a material can withstand fire as determined by generally recognized and accepted testing methods. **SECTION 602. Fire-Resistive Time Period Rating**

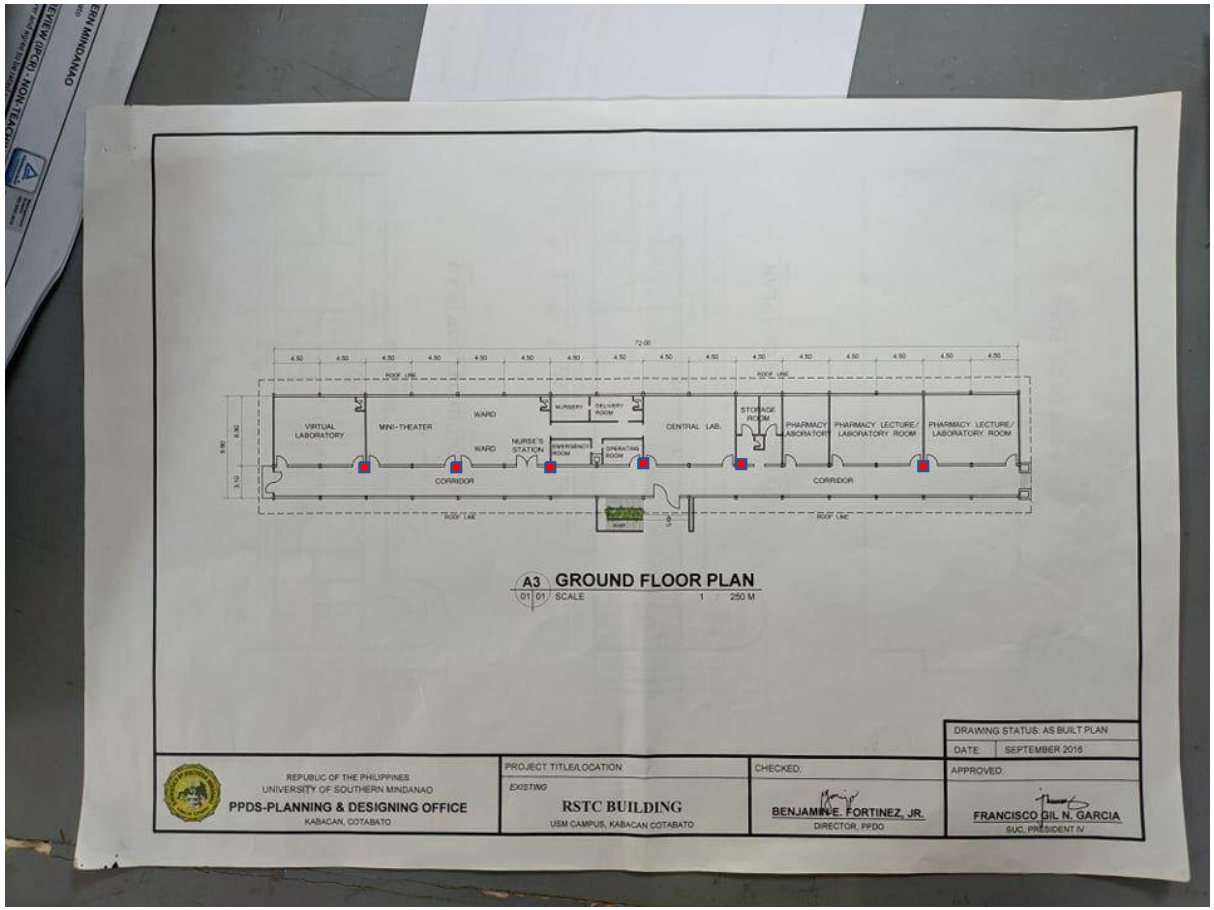
Fire-resistive time period rating is the length of time a material can withstand being burned which may be one-hour, two-hours, three-hours, four-hours, etc.

SECTION 603. Fire-Resistive Standards

All materials of construction, and assemblies or combinations thereof shall be classified according to their fire-retardant or flame-spread ratings as determined by general accepted testing methods and/or by the Secretary. **SECTION 604. Fire-Resistive Regulations**

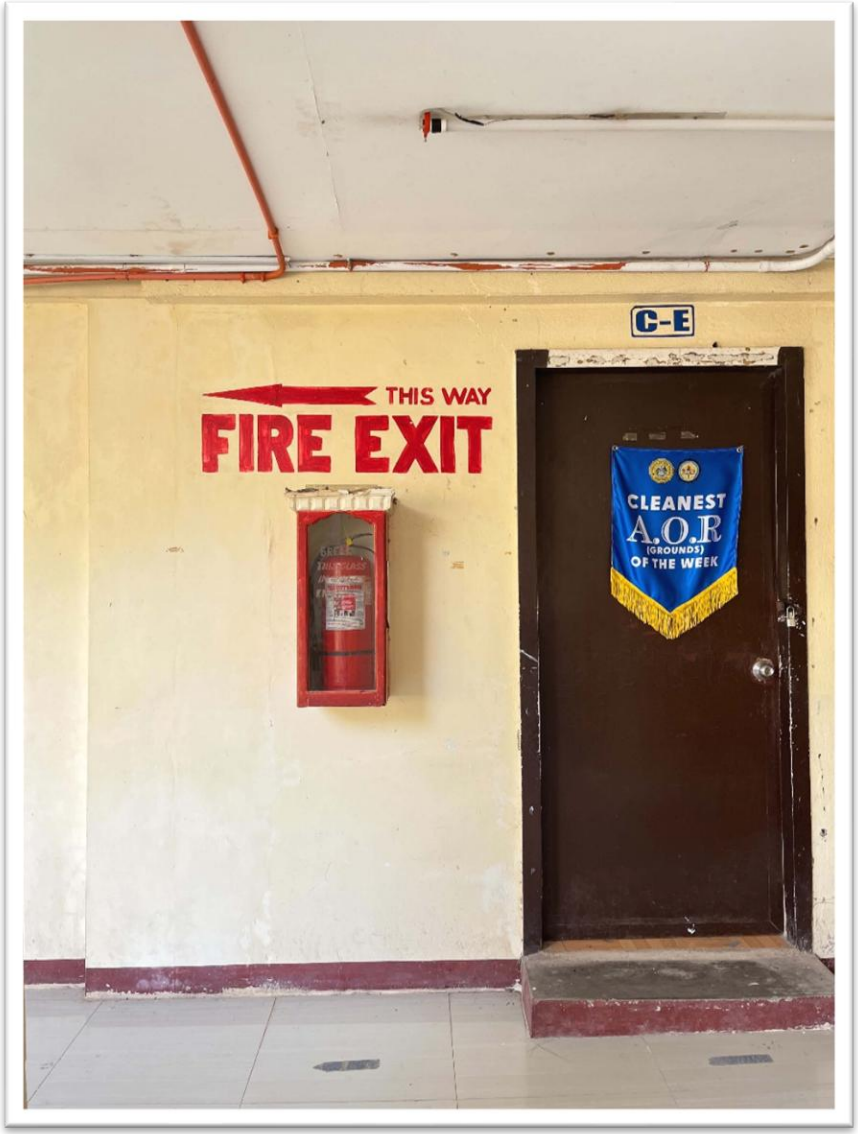
The Secretary shall prescribe standards and promulgate rules and regulations on the testing of construction materials for flame-spread characteristics, tests on fire damages, fire tests of building construction and materials, door assemblies and tinclad fire doors and window assemblies, the installation of fire doors and windows and smoke and fire detectors for fire protective signaling system, application and use of controlled interior finish, fire-resistive protection for structural members, fire-resistive walls and partitions, fire-resistive floor or roof ceiling, fire-resistive assemblies for protection of openings and fire-retardant roof coverings.

RED BOXES INDICATING THE POSITION OF FIRE EXTINGUISHERS



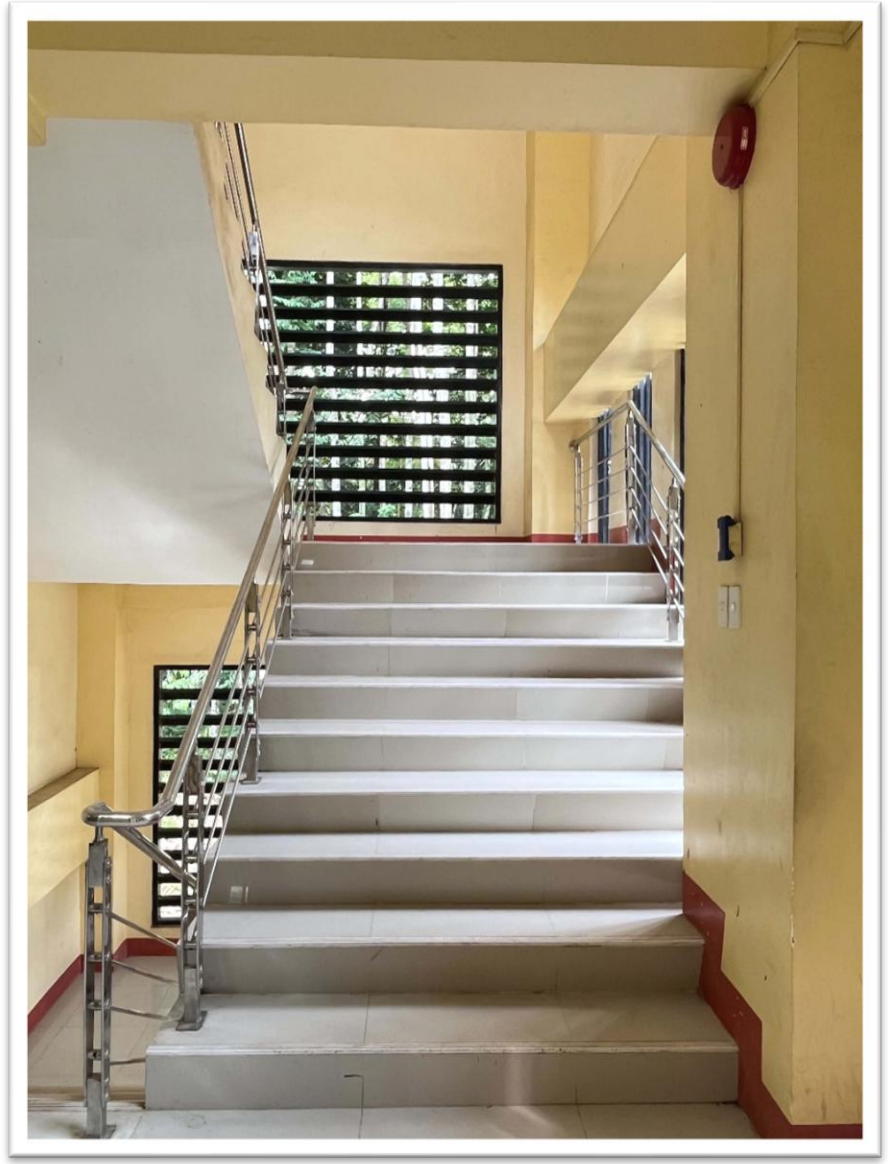
ACTUAL POSITION OF FIRE EXTINGUISHERS





FIRE ALARM BELL SITUATED IN KEY AREAS OF THE BUILDING





UNIVERSITY FIRE TRUCK



FIRE EXTINGUSHERS





FIRE EXTINGUISHER AND EMERGENCY HOTLINE NUMBERS



ALARM SYSTEM



