



## CHAPTER 8

### OTHER SYSTEMS

#### ROOT OBJECTIVES

The primary intentions of this chapter are encapsulated in the following statements:-

- R8.1 Enable the safe escape of occupants from a building during a fire emergency by having adequate and appropriate
- (i) lighting; and
  - (ii) means of identifying exit routes.
- R8.2 Enable the continual use of fire fighting facilities by providing adequate and appropriate lighting for the duration of the fire emergency.
- R8.3 Early warning to occupants of impending danger posed by a fire in the building.
- R8.4 Enable effective fire-fighting by providing means of communication for fire-fighters in a building during a fire emergency.

#### SUB-OBJECTIVES

The following criteria define the conditions necessary to fulfil the intentions of this chapter:-

- S8.1 Provisions for lighting at appropriate locations to enable occupants to have adequate visibility for safe evacuation, with considerations for:-
- (i) the use of the building; and
  - (ii) the distance of travel to common escape routes
- S8.2 Provisions for adequate and appropriate means to enable occupants to



- (i) clearly identify exit locations; and
- (ii) be guided to such exit locations

during a fire emergency in the building.

S8.3 Provisions for adequate and appropriate means of relaying information and instructions to the occupants during a fire emergency in a building, with considerations for:-

- (i) the use of the building; and
- (ii) the occupant load of the building; and
- (iii) the floor area of the building; and
- (iv) the height of the building; and
- (v) basement conditions; and
- (vi) the characteristics of the occupants.

S8.4 Provisions for adequate and appropriate means of communication for fire-fighting and rescue operations in the building, with considerations for:-

- (i) the use of the building; and
- (ii) the occupant load of the building; and
- (iii) the floor area of the building; and
- (iv) the height of the building; and
- (v) basement conditions.