

SECTION 6 - SUBSECTION H

SPECIFICATION OF THE SIGNS

CONTENTS

1.	General.....	6H-2
2.	Purposes of the signs	6H-2
3.	Principles of the signs	6H-3
4.	Types of signs	6H-3
5.	The sign system	6H-4
6.	Execution of the signs.....	6H-6

1. General

1.1 This chapter defines the principles and basic needs for the signs.

1.2 The signs will be based on two different sign systems:

1.2.1 Written signs

1.2.2 Electronic signs

2. Purposes of the signs

2.1 To assist in orientation at the desired building/rooms/site direction/location.

2.2 Identification of place and marking whether or not it is accessible to all persons.

2.3 Marking of warnings as necessary.

2.4 Supplying of information and directions as regards routes/roads and orientation.

2.5 Instruction and guidance in emergency situations (radiation leakage, fire etc.).

2.6 The sign system must help to make the visiting driver feel confident in the knowledge that he is not lost but is all the time on the correct route for his destination and guided as to how to drive in any place and situation. This feeling of confidence plays a great part in preventing disruptions and nuisances in the regular operation of the installation.

2.7 All traffic signs, lights and road marks shall be designed by traffic engineer and will be submitted to the client's approval.

3. Principles of the signs

- 3.1 The information given in the signs must be clear and precise, in Hebrew ,English and Arabic and to be visible in all weather conditions and at all times of day.
- 3.2 The style of the letter and graphic symbols must be simple, clear and authorized.
- 3.3 The signs will be located in such a way as not to constitute an obstacle and danger to people. The signs will be placed in the main passages and at cross-roads.
- 3.4 The sign will provide information on site's management policy in all aspects of emergency and routine rules of conduct. Information signs serving for general information (main/floor notice board), will be posted.
- 3.5 Use of contrasting colors with light characters and dark background so that the sign is clearly and easily readable even at a distance.
- 3.6 If possible, the signs should be placed together and dispersal of signs should be avoided.
- 3.7 It must be ensured that location of the signs does not interfere with passages, opening of doors etc.
- 3.8 Light fittings will be designed as part of the signs in order to illuminate them.
- 3.9 The position of the sign will be such that it appears opposite the access route.

4. Types of signs

- 4.1 2 main types of signs will be installed in the installation:
 - 4.1.1 Conventional (written) instruction and name signs/electronic signs.
- 4.2 Each of these two types will include the sign subtypes as specified below:

- 4.2.1 Direction signs with addition of an arrow serving to indicate or confirm a right direction.
- 4.2.2 Information signs - serving for general information
- 4.2.3 Identification signs - providing specific information.
- 4.2.4 Obligatory instruction signs - serving as obligatory functional requirements in defined or regular situations, restrictions or warnings.

5. The sign system

- 5.1 Routing aid signs (electronic signs)
 - 5.1.1 Direction signs for the car drivers on their way to the X-ray inspection process will be placed at the entrances to the traffic axes, intersections or forks. The signs will be of a type used on toll roads/ highways etc.
 - 5.1.2 The signs will be designed for outdoor installation.
 - 5.1.3 The signs will be connected to the traffic control and routing system which will change the contents of the announcement according to the process.
 - 5.1.4 The routing signs will be at a distance of 5 - 30 m apart in accordance with the location and the purpose of the sign.
 - 5.1.5 The signs will be in Hebrew /English/ Arabic and will include both text and signs (arrows etc.).
 - 5.1.6 The location and size of the signs and the size of the writing will be compatible with the site systems and will not disturb the course of operation/movement, will not dazzle with night intensity lighting etc.
- 5.2 Orientation signs
 - 5.2.1 Schematic plans will be displayed with graphic presentation of all the routes to the different destinations, both to buildings and inside the buildings, with indication of the point at which the sign is located.

- 5.3 Signs on doors (inside buildings)
- 5.3.1 The signs will indicate the number and the purpose of the room. The room purpose text will be submitted shortly before occupation.
- 5.3.2 The sign will include the identification of the persons authorized to enter the room.
- 5.4 Obligatory instruction and guidance signs (in emergencies)
- 5.4.1 Obligatory instruction signs refer to all the signs serving as obligatory operational requirements from people in the installation, in the building in emergencies. The sign must be able to survive and function in the situations specified below:
- Fire
 - Alarm/emergency (such as radiation leakage).
 - Security event (terror act) or any other hostile agency.
- 5.4.2 The sign designer is responsible for coordinating the entire sign system, in accordance with the situations specified above, with the designers of the various systems (fire detection and extinguishing, compartmentation, security, etc.).
- 5.4.3 It is recommended that each of the situations specified above be signaled by illuminated signs that come on in one of the aforesaid situations:
- In the event of fire - flashing red signs.
 - In the event of an act of terrorism - flashing yellow signs
- 5.4.3 The sign system will be coordinated with the security adviser.
- 5.4.4 The signs will include details regarding power disconnection sites in the zone and floor electricity panels on every floor.
- 5.4.5 The guidance signs will include those signs in the corridors which explain conduct in every department, prevent or forbid movement, opening of doors, various operations.

- 5.4.6 The abovementioned signs will include safety signs such as warnings of high voltage, no smoking, warning of slippery surface, maintaining cleanliness, prevention of water wastage etc.
- 5.4.7 The emergency signs will include signs for fire extinguishing terminals, hydrants, emergency exits (painting of the emergency doors in a special luminous color and in a different shade from the usual shade is also possible).
- 5.4.8 Other site management instruction signs will also be included in the framework of the signs. These signs will be defined below.

6. Execution of the signs

- 6.1 In order to maintain uniformity of the signs and signposts in the building a uniform procedure should be employed which will define the following:
 - 6.1.1 A uniform sign code in accordance with international procedures and standards.
 - 6.1.2 Lettering according to defined and standard sizes.
 - 6.1.3 Defined measurements for the size of the notice boards and signs.
 - 6.1.4 Complete integration between the various designers: electricity, fire detection and extinguishing, public address system, air-conditioning, compartmentation and security etc.
 - 6.1.5 Complete planning in emergency situations and avoidance of a "surplus" of signs for the various situations specified above.