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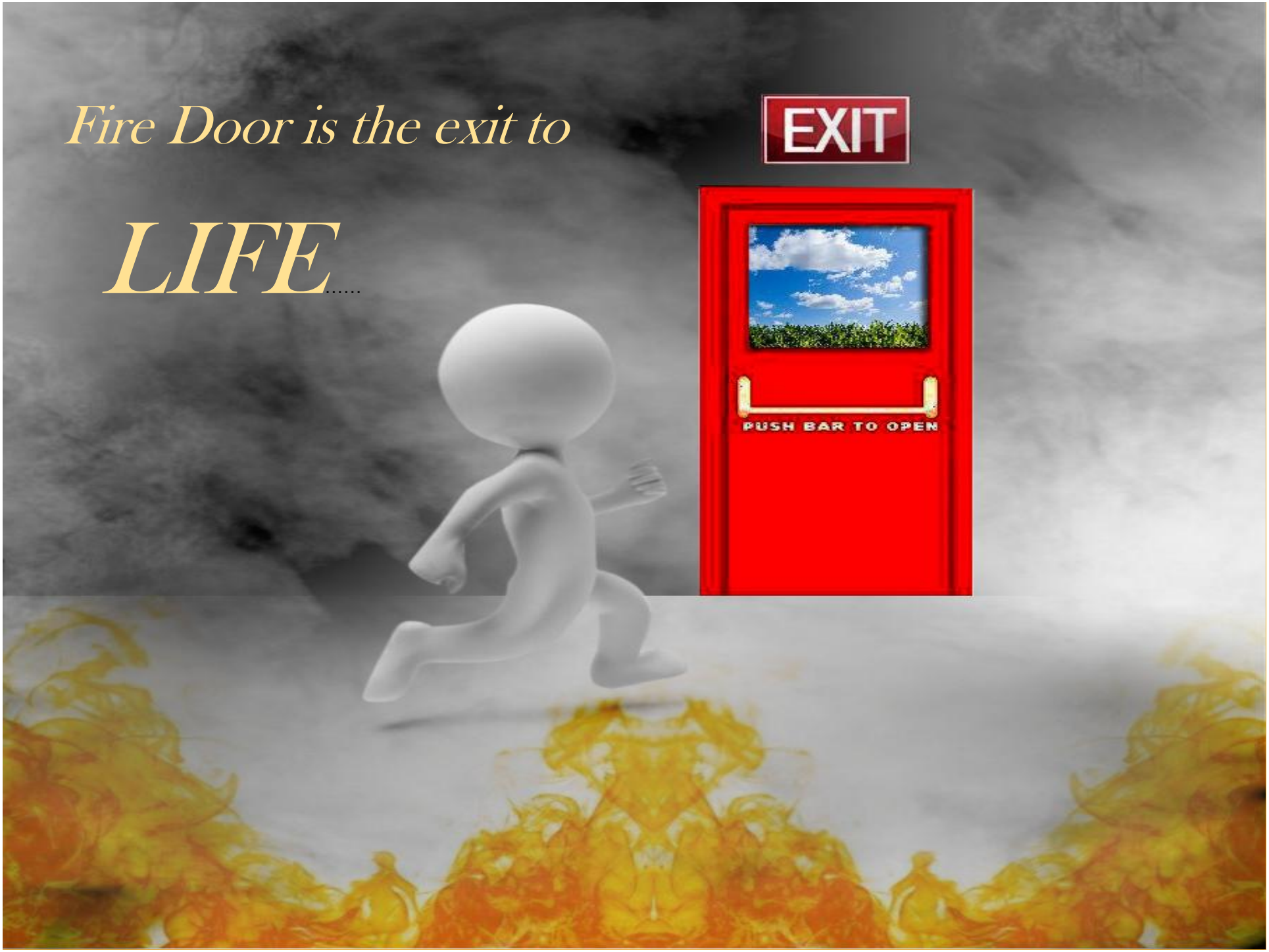
"Passion To Protect"


Fire Door is the exit to
LIFE.....
EXIT
PUSH BAR TO OPEN

Wikipedia Quotes

- Knowing where the emergency exits are in buildings can **SAVE YOUR LIFE**.

- Many disasters could have been prevented if people had known where fire escapes were, and if emergency exits had not been blocked .

Example:

- Station Nightclub

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- Why Escape Routes Plan must be " Idiot Proof "?

- Why should a Fire Door be Listed and Approved in the best Labs?

Case Study

- **February 20, 2003** – the U.S had one of the worst fire in its history. The club was called The Station and it was located in West Warwick, Rhode Island.

Video

***http://www.youtube.com/watch?v=uVPgzLddshE*.**

The Station Nightclub Fire in West Warwick, RI - YouTube.f

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- In less than 3 minutes….

100 PEOPLE DIED

230 PEOPLE WERE INJURED

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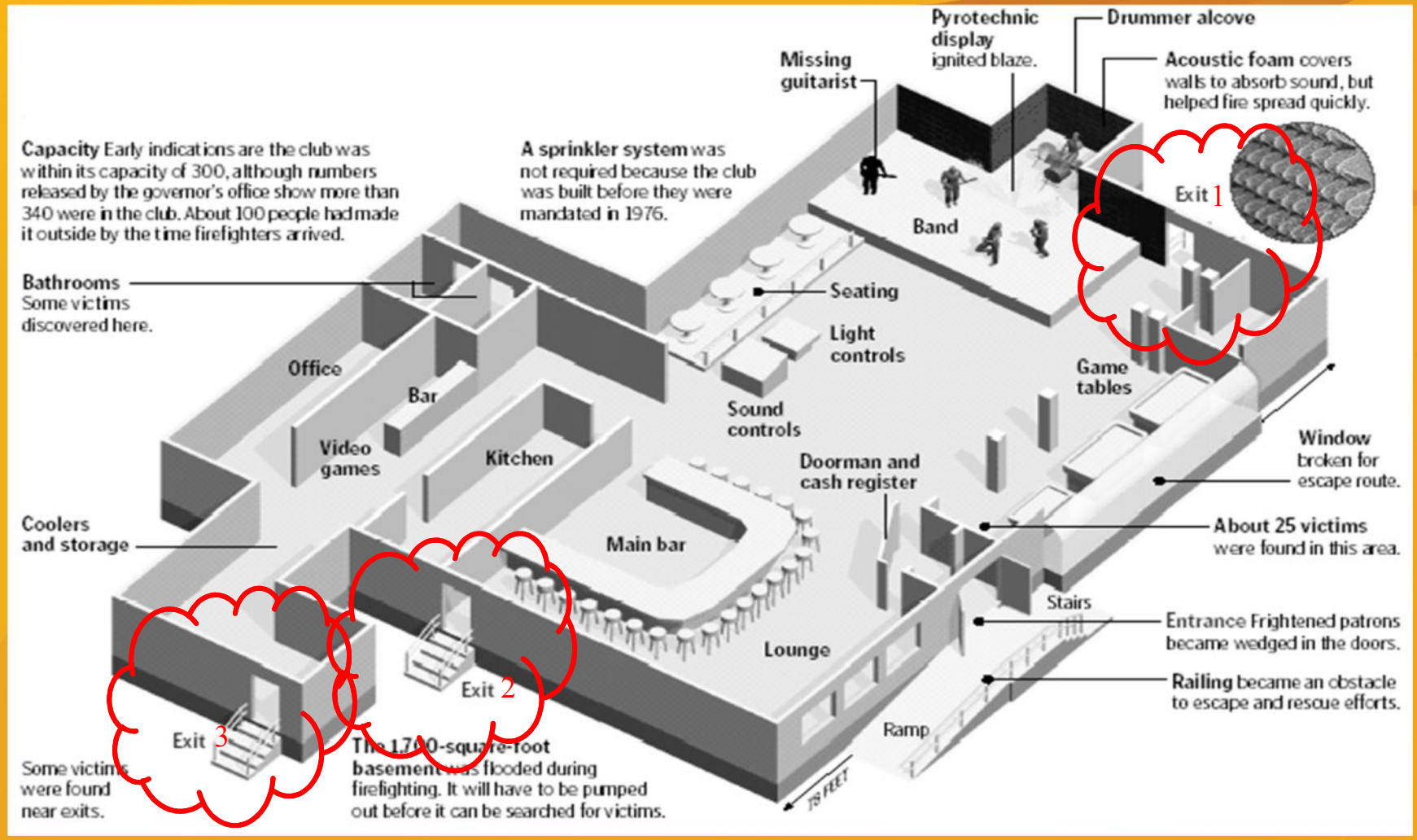
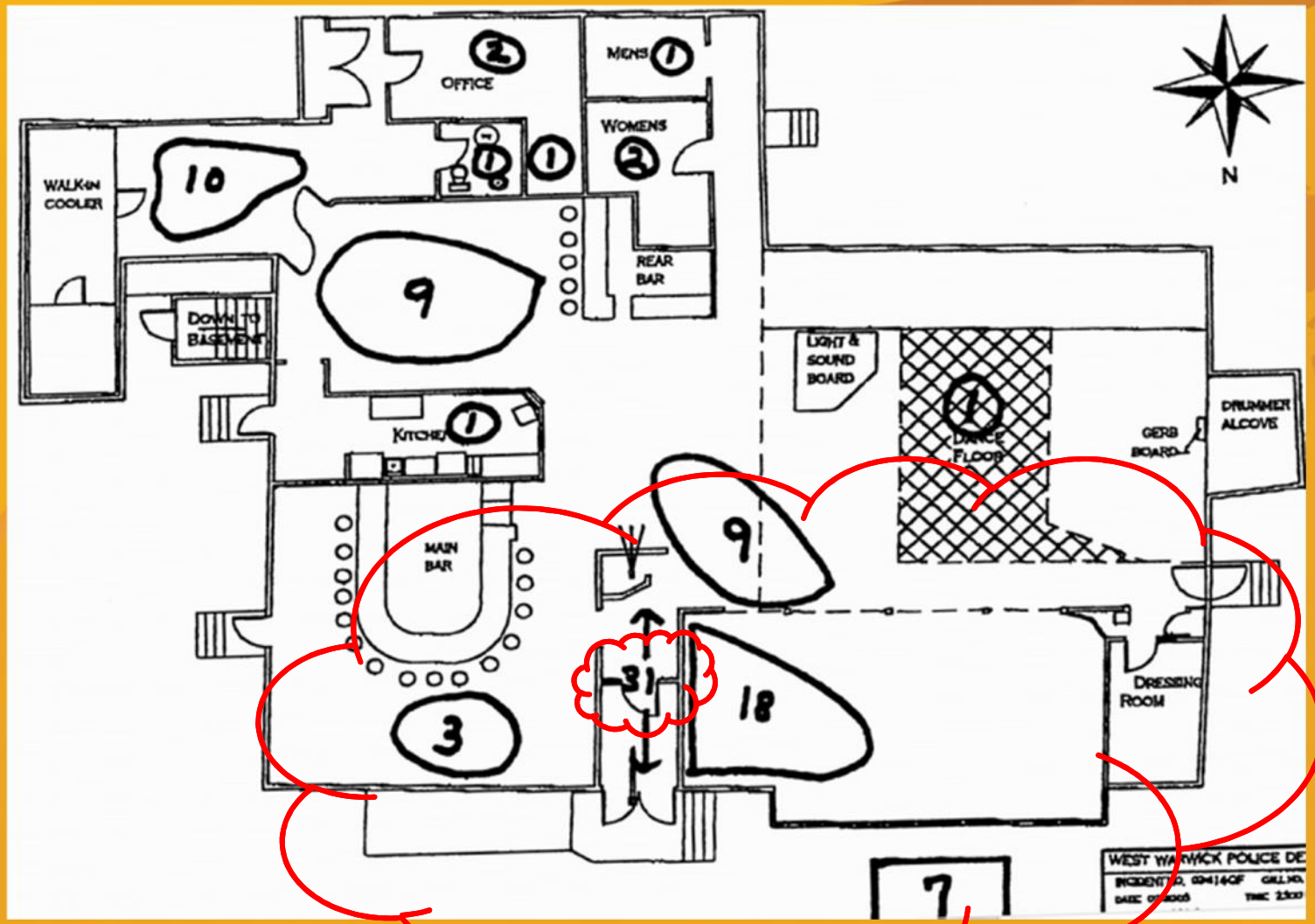
WHY IT HAPPENED???

Diagram of the Station Nightclub



Death Figures and Locations

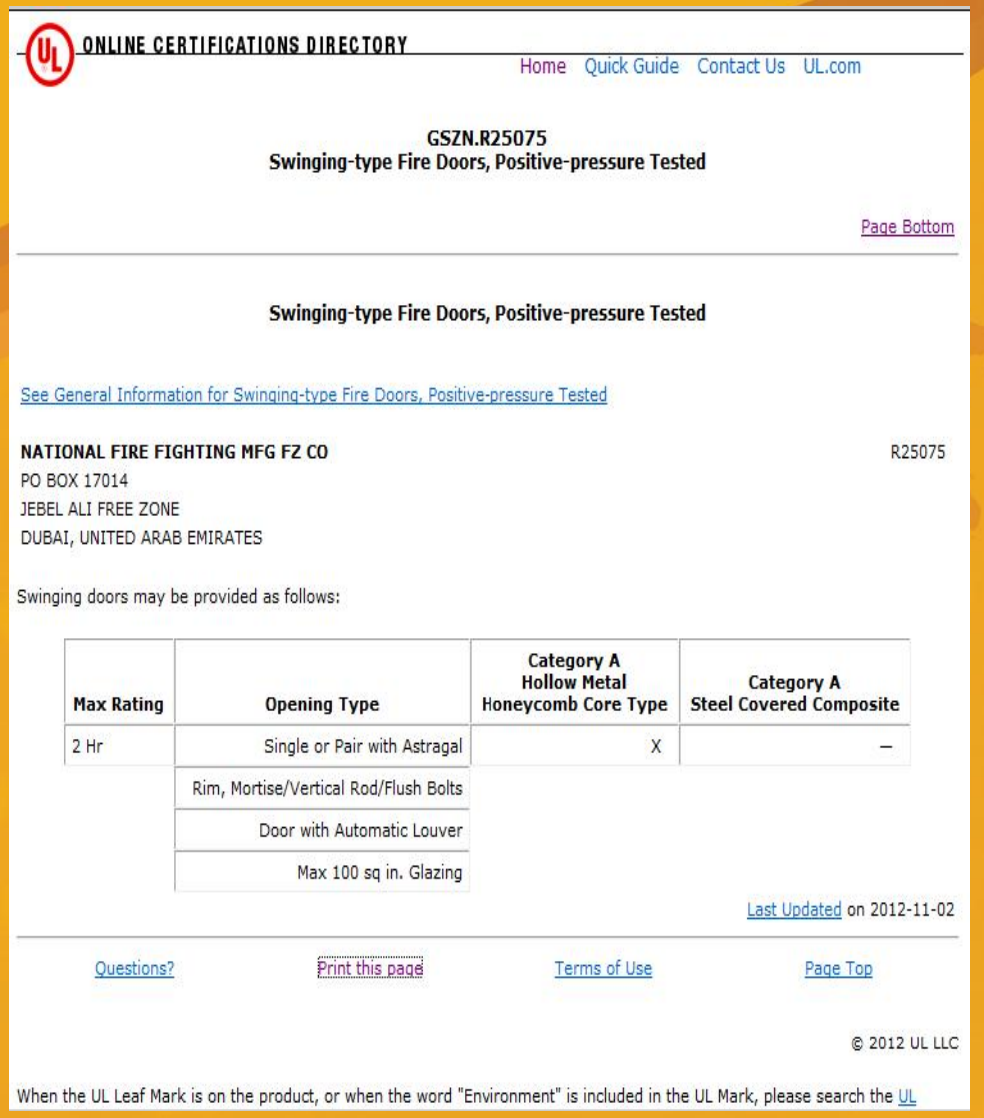


- To make sure that your exit door will perform efficiently in case of emergency, only use Listed and Certified Doors.

How can you do that??

Very simple.....

- 1- **Ask for the Certificate**



ONLINE CERTIFICATIONS DIRECTORY

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GSZN.R25075
Swinging-type Fire Doors, Positive-pressure Tested

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Swinging-type Fire Doors, Positive-pressure Tested

See General Information for Swinging-type Fire Doors, Positive-pressure Tested

NATIONAL FIRE FIGHTING MFG FZ CO R25075
PO BOX 17014
JEBEL ALI FREE ZONE
DUBAI, UNITED ARAB EMIRATES

Swinging doors may be provided as follows:

Max Rating	Opening Type	Category A Hollow Metal Honeycomb Core Type	Category A Steel Covered Composite
2 Hr	Single or Pair with Astragal	X	–
	Rim, Mortise/Vertical Rod/Flush Bolts		
	Door with Automatic Louver		
	Max 100 sq in. Glazing		

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When the UL Leaf Mark is on the product, or when the word "Environment" is included in the UL Mark, please search the UL

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2- Look for the label

For example :

- U.L TESTING

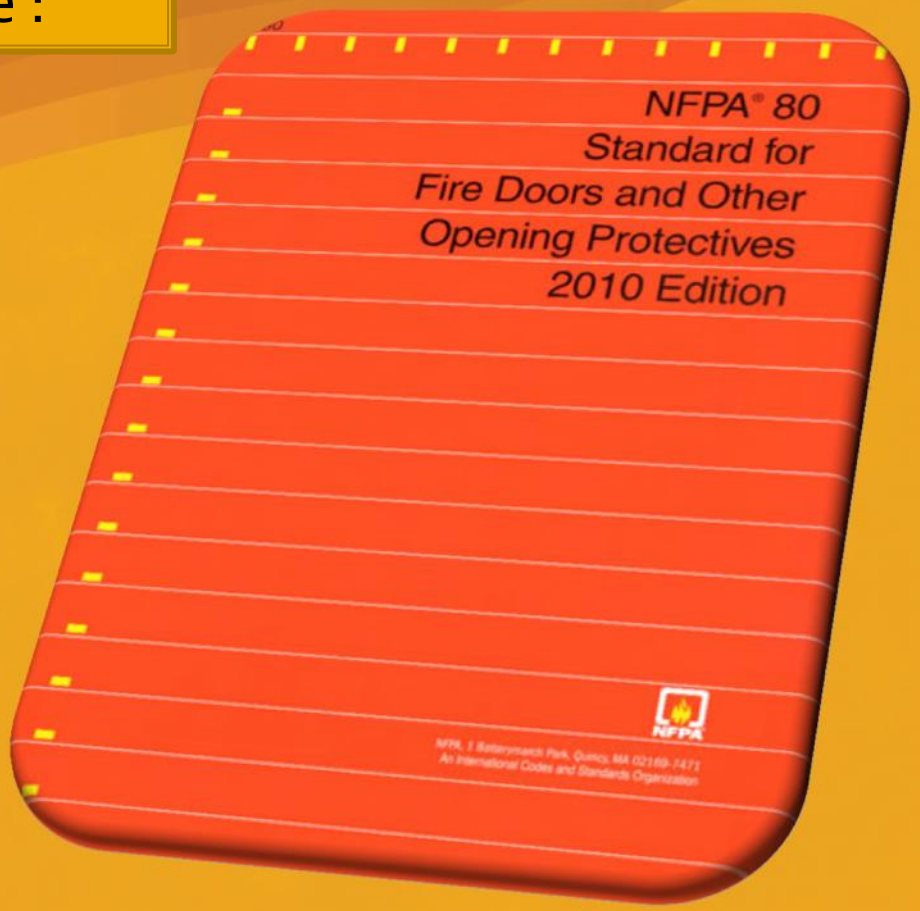
- Hose stream Test.

- Hose stream test confirms that the door is closed in case of fire without integrity deformation.

Hardware Requirements

As per NFPA 80, the door should be :

- Self-Hanging
- Self-Closing
- Self-Latching



International Codes Requirements
NFPA 80

Chapter 2 Swinging Doors with Builders Hardware

2-1 Doors.

2-1.1 General. This chapter shall cover the installation of swinging doors with builders hardware.

2-1.2 Components. A fire door assembly shall consist of components that are separate products incorporated into the assembly and allowed to have their own subcomponents. The normal components of a fire door assembly include a door, a door frame, hinges, a lock or latch, and a closing device. They also include, but are not limited to, an astragal, an automatic louver, a coordinator, flush or surface bolts, gasketing, a holder/release device, protection plates, and glazing materials.

2-1.3 Mounting of Doors. Swinging composite, hollow metal, flush sheet metal, metal clad (Kalamein), and wood core doors with builders hardware shall be flush mounted in labeled door frames.

2-1.4 Operation of Doors. All swinging doors shall be closed and latched at the time of fire. For the purposes of this section, the operation of doors is divided into three categories.

2-1.4.1 Self-Closing Doors. Self-closing doors shall swing easily and freely and shall be equipped with a closing device to cause the door to close and latch each time it is opened. The closing mechanism shall not have a hold-open feature.

2-1.4.2 Automatic-Closing Doors. Automatic-closing doors shall be permitted to close automatically by means of the installation of a closing device and one of the following:

2-3.1.3* Door frames intended for drywall installation shall be of the wrap-around type. Anchors shall be appropriately secured to vertical wall studs and floor.

2-3.1.4 Proprietary-type slip-on door frames (for example, those for use on pre-prepared openings in drywall construction) shall be installed in accordance with the manufacturer's installation instructions.

2-3.1.5 Door frames provided with expansion bolt-type anchors shall be installed in masonry walls only.

2-3.1.6 Wood or plastic-faced composite or wood core doors shall be installed in labeled door frames of the single unit type. Steel-faced composite, hollow metal, metal clad (Kalamein), and flush sheet metal doors shall be installed in pressed steel or steel channel frames.

2-3.1.7 The clearance between the edge of the door on the pull side and the frame, and the meeting edges of doors swinging in pairs on the pull side shall be $^1/_8$ in. $\pm$ $^1/_{16}$ in. (3.18 mm $\pm$ 1.59 mm) for steel doors and shall not exceed $^1/_8$ in. (3.18 mm) for wood doors.

2-3.2 Frames for Lights or Panels. Where a frame assembly consists of both solid panels and glazed lights, the fire protection rating shall be based on the glazed area.

2-3.3 Frames for Transom Lights, Side Lights, or Both.

2-3.3.1 Transom or side lights shall be fixed.

2-3.3.2 Frames with transom lights, side lights, or both shall be permitted where a $^3/_4$-hour fire protection rating or less is required.

Wrong Practices can lead to DISASTERS…

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THANK YOU