**Exercise – NFPA 101 and IBC – Electrified Hardware**

Find the answers in NFPA 101-2009 and/or the 2009 IBC, and include the paragraph reference number below. (If there are any concepts you’re not clear on, I’m happy to review them with you.)

1. What are the names of the sections in the IBC and NFPA 101 which address the use of electromagnetic locks released by door-mounted hardware?
2. Per NFPA 101, what restrictions are placed on doors with delayed egress locks serving New Assembly spaces?
3. In the IBC, which use groups do not allow the use of delayed egress locks?
4. Per the IBC and NFPA 101, is a sprinkler system required in order for an Access Controlled Egress Door to be installed?
5. Which examples are given in NFPA 101 as the types of hospital units that may have locked doors?
6. What is the NFPA 101 term used to describe the practice of locking some doors within a stairwell, and leaving others unlocked for reentry?
7. Does NFPA 101 allow doors in stairs serving 4 stories or less to be mechanically locked?
8. Does the IBC allow doors in stairs serving 4 stories or less to be mechanically locked?
9. Per the IBC, what initiates the unlocking of stair doors to allow reentry?
10. Is an Electromagnetically Locked Egress Door required by the IBC to unlock upon initiation of the fire alarm?
11. What product would you use to deter the unauthorized use of a library’s emergency exit if the applicable code is the IBC?
12. What are the options for deterring egress from an elevator lobby through a tenant space per the IBC?
13. Does NFPA 101 allow Access Controlled Egress Doors in a New Educational Occupancy?

**Answers:**

1. IBC: Electromagnetically Locked Egress Doors; paragraph 1008.1.9.8, NFPA 101: Electrically Controlled Egress Door Assemblies; paragraph 7.2.1.5.5
2. Permitted on doors other than main entrance doors; paragraph 12.2.2.2.5
3. A, E, and H; paragraph 1008.1.9.
4. No (“if provided”); IBC paragraph 1008.1.4.4, NFPA 101 paragraph 7.2.1.6.2
5. psychiatric, alzheimers, dementia, paragraph A18.2.2.2.5.1
6. selected reentry; paragraph 7.2.1.5.7 (3)
7. yes; paragraph 7.2.1.5.7
8. no; paragraph 1008.1.9.10 (3)
9. a signal from the fire command center; paragraph 1008.1.9.10
10. no; paragraph 1008.1.9.8
11. an exit alarm; paragraph 1008.1.9
12. delayed egress or alarm are most restrictive – “elevator lobbies shall have at least one means of egress complying with Chapter 10 and other provisions within this code”; paragraph 708.14.1
13. yes – “special locking arrangements complying with 7.2.1.6 shall be permitted; paragraph 14.2.2.2.3