



LIVE FIRE TRAINING: NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS

NFPA 1402

7.1.5: All burn rooms shall have, as a minimum, one of the following:

- Two doors that exit the burn room to an adjacent room or to an exterior grade, a balcony, a roof, or stairs.
- One door to an adjacent room and one window to either another room, a balcony, a roof, or another tenable location. **Exception:** In the case of a gas-fired burn room where the fire cannot be between the participant and the door, one door shall be acceptable.

NFPA 1403

4.7.5: The instructor-in-charge shall assign the following personnel:

- One instructor to each functional crew, each of which shall not exceed **five** students.
- One instructor to each backup line.
- One additional instructor for each additional functional assignment.

4.5.1: A safety officer shall be appointed for all live fire training evolutions.

4.12.2: Each hose line and backup line(s) shall be capable of delivering a minimum of **95 gpm**.

4.13.1: The fuels that are utilized in live fire training evolutions shall only be wood products.

4.16.2: Prior to conducting actual live fire training evolutions, a preburn briefing session shall be conducted by the instructor-in-charge with the safety officer for all participants.

7.2.6: The structural integrity of the live fire training structure shall be evaluated and documented by a licensed professional engineer with live fire training structure experience and expertise or by another competent professional as determined by the AHJ at least once every five years or more frequently if determined to be required by the evaluator.

7.3.1: The AHJ shall develop and utilize a safe live fire training action plan when multiple sequential burn evolutions are to be conducted per day in each burn room.

7.3.2: A burn sequence matrix chart shall be developed for the burn rooms in a live fire training structure.

7.3.2.1: The burn sequence matrix chart shall include the maximum fuel loading per evolution and maximum number of sequential live fire evolutions that can be conducted per day in each burn room.

7.3.3: The burn sequence for each room shall define the maximum fuel load that can be used for the first burn and each successive burn.

7.3.4: The burn sequence matrix for each room shall also specify the maximum number of evolutions that can be safely conducted during a given training period before the room is allowed to cool.

7.3.5: The fuel loads per evolution and the maximum number of sequential evolutions in each burn room shall not be exceeded under any circumstances.