

## SECTION 3 FIRE SERVICE LADDER PRACTICES

The Certification Board suggest it will take a class of **40** individuals **32** hours to cover the following objectives in this section (actual time may vary based on class size).

### **BASIC**

- 3-01.01\* Trainee shall identify each type of ladder and define its use.
- 3-01.02 Trainee shall identify and name the parts of various fire service ladders.
- 3-01.03 Trainee shall identify the safety aspects of handling, raising, and climbing ladders:
- A. Carrying
    1. moving/guiding
    2. other personnel
    3. obstacles
  - B. Location and Footing
    1. location of fire
    2. stability of building
    3. firm, slippery, uneven surfaces
    4. Overhead:
      - a. electricity
      - b. windows
      - c. falling debris
      - d. overhangs
  - C. Raising and Climbing
    1. full protective equipment
    2. proper lifting methods
    3. ladder angle and spacing
    4. pawls locked and halyard tied
    5. heel person and tying ladder
    6. hand placement and positioning
    7. climbing with same hand and foot
  - D. Working from ladder
    1. safety belts
    2. leg locks
    3. climbing with and using hoses
  - E. Aerial Ladders
    1. overhead obstacles
    2. zone of collapse
    3. proper placement
- 3-01.04 Trainee shall identify how to select the proper ladder for the job to be done, and the maximum working heights for fire service ladders.
- 3-01.05 Trainee shall identify the proper placement and positioning of each type of fire service ladder for different types of jobs.
- 3-01.06\* Trainee, operating as an individual and as a member of a team, shall demonstrate or explain knowledge of the following ladder carries:
- |              |             |
|--------------|-------------|
| A. one-man   | D. four-man |
| B. two-man   | E. five-man |
| C. three-man | F. six-man  |
- 3-01.07\* Trainee, operating as an individual and as a member of a team, shall raise each type and size of ground ladder, available to the local authority having jurisdiction, using several different raises for each.
- 3-01.08\* Trainee shall, with or without a life belt, climb the full length of each type of ground and aerial ladder available to the authority having jurisdiction and demonstrate:
- A. climbing the full length of each type of ground and aerial ladder carrying fire fighting tools or equipment while ascending and descending
  - B. climbing the full length of each type of ground and aerial ladder and bring an injured person down.
  - C. the techniques of working from ground and aerial ladders with tools and appliances.
- 3-01.09\* Trainee shall demonstrate the technique of cleaning ladders.

## **INTERMEDIATE**

- 3-02.01 Trainee shall identify the materials used in ladder construction and list the advantages and disadvantages of each type of material.
- 3-02.02 Trainee shall identify the safety features of all ground and aerial ladders.
- 3-02.03 Trainee shall demonstrate inspection and maintenance techniques for different types of ground and aerial ladders available to the local authority having jurisdiction.

## **ADVANCED**

- 3-03.01 Trainee shall identify and explain the several special uses for ground ladders.
- 3-03.02 Trainee shall identify and explain the annual service test for ground ladders.
- 3-03.03 Trainee, operating as an individual and as a member of a team, shall demonstrate the following ladder carries:
  - A. one-man
  - B. two-man
  - C. three-man
  - D. four-man
  - E. five-man
  - F. six-man

The ladder shall be positioned flat on the ground during this demonstration.
- 3-03.04 Trainee, operating as an individual and as a member of a team, shall raise each type and size of ground ladder using several different raises for each.
- 3-03.05 Trainee shall, with or without a life belt, climb the full length of each type of ground and aerial ladder and demonstrate:
  - A. climbing the full length of each type of ground and aerial ladder, carrying fire fighting tools or equipment, while ascending or descending.
  - B. climbing the full length of each type of ground and aerial ladder and bring an injured person down.
  - C. the techniques of working from ground and aerial ladders with tools and appliances.