

## **MANIPULATIVE SKILL**

## **STANDARDS**

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**TOPIC: ONE PERSON 24' LADDER EVOLUTION**

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**REFERENCE:** IFSTA, Essentials 5<sup>th</sup> Edition  
IFSTA, Ground Ladders

**CONDITIONS:** ➤ The Firefighter shall don full protective clothing and safety equipment prior to starting the task:

- Gloves
  - Helmet
  - Hood
  - S.C.B.A.
  - Turnout Boots
  - Turnout Coat
  - Turnout Pants
- **The rater will issue the order to:** pick up the ladder from the ground, walk into position, and spot ladder appropriately. Remove ladder from the building, walk around the building, spot and place the ladder appropriately into operation. Remove the ladder from the building and replace the ladder back on the ground as found.

**STANDARD:** ➤ Shall complete the task with a minimum of:

- 75% accuracy while maintaining a fireground pace without major safety violations on the first testing attempt.
- 85% accuracy while maintaining a fireground pace without major safety violations on the second attempt.

*Failure to pass the second exam will exhibit failure to meet the standards necessary to complete probationary requirements.*

**TIME:** ➤ The following procedure will be completed successfully in 4 minutes, 15 seconds.

**IMMEDIATE FAILURE:** ➤ Unsafe maneuvers that will cause personal injury or damage to academy equipment or personnel.

➤ Failure to state safety commands.

**MATERIAL NEEDED:** ➤ Evaluation Sheet

➤ 24' Extension Ladder

**Rio Hondo Community College  
Department of Public Safety – Fire Technology  
Rio Hondo College Fire Academy**

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- PROCEDURE:**
- Test will begin with the ladder grounded approximately 20 feet from the building.
  - Address Butt of Ladder and Walk to the tip
  - Beam Ladder
  - Shoulder Ladder
    - Find proper balance point for control
  - Walk Ladder to the ordered location \* ***Remember Safety Commands***
    - **(Overhead Obstructions, All Clear)**
  - Spot Ladder – within 12” in or out from spot location.
  - Raise Ladder
  - Extend Ladder – thumbs upward for maximum ladder control on 24’ extension – one person
  - Dog Ladder
  - Lean Ladder
  - Set Ladder
    - Looking Up
    - Four points of contact
    - Proper Angle
  - Reduce ladder
  - Remove Ladder \* ***Remember Safety Commands***
    - **(Overhead Obstructions, All Clear)**
  - Retract Ladder – Looking Up

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- Lower Ladder \* *Remember Safety Commands*
  - (Overhead Obstructions, Clear Above / Clear Behind)
- Shoulder Ladder
- Walk Around Tower
- Repeat Ladder Evolution Again
- Replace Ladder to Engine Ready

- NOTES:**
- Ladder commands should be verbalized in the training sessions.
  - Safety commands = overhead obstructions and visual clarity.
  - Ladder commands = preparatory commands and execution commands for ladder evolutions