

# **MANIPULATIVE SKILL**

## **STANDARDS**

**TOPIC:** TWO PERSON 35 FOOT SINGLE FLY EXTENSION LADDER EVOLUTION

**REFERENCE:** IFSTA, Essentials 4<sup>th</sup> Edition  
IFSTA Ground Ladders

**CONDITIONS:**

- **The firefighter shall don full protective clothing and safety equipment prior to starting the task:**
  - Turnout pants Hood S.C.B.A. Helmet Gloves
  - Turnout coat Turnout boots

**The rater will issue the order to:** Beginning on the east side of the tower, proceed north around the tower to the west side, beam raise on the third floor for rescue, a 35' single fly extension ladder (wide window). Tie off the ladder. Proceed back to east side, retrieve second 35' extension ladder (switch positions; butt and tip), continue north around the tower to the west side flat raising the second ladder on the right of the first ladder, fully extended against the wall. Tie off the ladder. Return ladders and remove them as they were thrown (flat and beam) to the east side of the building.



**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 fire academy requirements.***

**TIME:** The following procedure will be completed successfully in 13 minutes 30 seconds.

**IMMEDIATE FAILURE:**

Immediate failure is defined as: Unsafe maneuvers that will cause personal injury or damage to academy equipment or personnel. Failure to state safety commands.

## **MATERIALS NEEDED:**

- Evaluation sheet
- 2-35 foot extension ladders

## **PROCEDURE:**

- Repeat order
- Start on east side of the tower
  - Address butt of ladder and walk to the tip
  - Verbalize the type of carry
  - Shoulder Ladder
  - Forward Ladder
- Proceed north around tower to the west side, raising on the beam for rescue from the third floor window
  - Place ladder in the window opening to one side (wide window)
  - Spot Ladder
  - Raise Ladder
  - Extend Ladder
  - Dog Ladder
  - Lean Ladder
  - Set Ladder
  - Tie off Ladder
- Proceed back to east side, retrieve second 35' extension ladder (switch positions; butt and tip)
  - Address butt of ladder and walk to the tip
  - Verbalize the type of carry
  - Shoulder Ladder
  - Forward Ladder
- Proceed north around tower to the west side raising second ladder on the right of the first ladder, fully extended on a flat raise against the wall
  - Below the window sill
  - Spot Ladder
  - Raise Ladder
  - Extend Ladder
  - Dog Ladder
  - Lean Ladder
  - Set Ladder
  - Tie off Ladder

- Return ladders and remove them as they were thrown (flat and beam)
  - Remove Ladder
  - Retract Ladder
  - Lower Ladder
  - Shoulder Ladder
  
- Uses proper commands and execute as a team
  
- Lifts in unison on execution command

**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
- ✓ ## Minor safety infractions will be assessed by instructors and listed as minus 5 points for each infraction.