

# **THE CLICK SYSTEM**

**MCFA**

# Ground Ladder Operations

## The "Click" System

- **The "Click" system is a method of determining how to properly extend a ground ladder in order to achieve the correct target height.**
- **System works by using the clicking sound made as the "dogs" of the fly section pass each rung of the bed section.**
- **Each click represents 14" of ladder rise on aluminum ladders (14" spacing from rung-rung).**

# The "Click" System

In order to determine how many "clicks" you need to hear in order to raise the ladder:

1. Determine target height (T.H.)
2. Determine best ladder and its bedded length (B. L)
3. Subtract the bedded ladder length from the target height = number of clicks to hear in order to achieve proper ladder extension.

$$\# \text{ Clicks} = \text{T.H.} - \text{B. L.}$$

# The "Click" System

## Bedded Lengths of Typical Fire Service Extension Ladders

- 24' = 14' bedded
- 28' = 16' bedded
- 35' = 20' bedded
- 35' (three section) = 15' bedded

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A few more points:

- For any target height above the 2<sup>nd</sup> floor, subtract one "click" from the total (remember each click is actually 14", not an even foot) - only necessary for rescue raise
- On 3 section ladders, each click is representing a double 14" rise (2 fly sections moving simultaneously); thus, divide number of needed "clicks" by 2.