

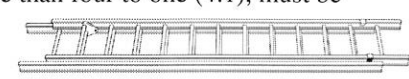
Job Name: _____ Job Site Location: _____

Date: _____ Start Time: _____ Finish Time: _____ Foreman/Supervisor: _____

Topic 412: Ladder Jack Scaffolds

Introduction: Ladder jack scaffolds, as well as step, platform, and trestle ladder scaffolds, though generally used as temporary elevated work platforms, must meet the specifications of 29 CFR 1926.451 general requirements for scaffolds. Employees using ladder jack scaffolds also must follow the requirements for employee fall protection which apply to all scaffolding. Following are OSHA regulations pertaining specifically to ladder jack scaffolds:

- **The employer must** have each employee who performs work while on a scaffold trained by a person qualified in the subject matter to recognize the hazards associated with the type of scaffold being used and to understand the procedures to control or minimize those hazards. The training shall include the following areas, as applicable:
 - * The nature of any electrical hazards, fall hazards, and falling object hazards in the work area.
 - * The correct procedures for dealing with electrical hazards and for erecting, maintaining, and disassembling the fall protection systems and falling object protection systems being used.
 - * The proper use of the scaffold, and the proper handling of materials on the scaffold.
 - * The maximum intended load and the load-carrying capacities of the scaffolds used.
 - * Any other pertinent requirements for ladder jack scaffolds.
- **Scaffolds must** be designed by a qualified person, and must be constructed and loaded in accordance with that design.
- **Ladder jack** scaffold platforms may not exceed a height of 20 feet, and platforms must be at least 12 inches wide.
- **The front edge** of platforms may not be more than 14 inches from the face of the work, or 18 inches for plaster and lathing work.
- **Each scaffold** and scaffold component must be capable of supporting, without failure, its own weight, and at least 4 times the maximum intended load applied or transmitted to it.
- **All ladders** used to support ladder jack scaffolds must meet the requirements of 29 CFR 1926.1051 *Stairways and Ladders*, except that job-made ladders may not be used to support ladder jack scaffolds.
- **The ladder jack** must be so designed and constructed that it will bear on the side rails and ladder rungs or on the ladder rungs alone. If the ladder jack bears on the rungs only, the bearing area must include a width of at least 10 inches (25.4 cm) on each rung.
- **Ladders used** to support ladder jacks must be placed, fastened, or equipped with devices to prevent slipping.
- **Scaffold platforms** may not be bridged to each other.
- **Scaffold platforms** must not be placed any higher than the second highest rung or step of the ladder supporting the platform.
- **Ladder jacks** with a height to base width (including outrigger supports, if used) ratio of more than four to one (4:1), must be restrained from tipping by guying, tying, bracing, or equivalent means.
- **Ladder jack legs** must bear on base plates and mud sills or other adequate firm foundation.



Fall protection - Because of the impracticality of using a guardrail system, an employee is generally required to use a personal fall arrest system with ladder jack scaffolds.

- **Each employee** on a scaffold working at elevation above a lower level must be protected from falling.
- **Employees must** be protected by use of personal fall arrest or guardrail systems meeting the requirements 29 CFR 1926.451.
- **Personal fall arrest systems** used on scaffolds must be attached by lanyard to a vertical lifeline, horizontal lifeline, or suitable anchorage, and fully meet the requirements of 29 CFR 1926 Subpart M.

Conclusion: Because of the fall protection requirements for personnel working on scaffolds, any employer who has a frequent or regular need for scaffolds would be better served to use a regular manufactured scaffold system with guardrails. However, if a ladder jack scaffold system must be used, follow the above guidelines for safety. See Meetings # 02 & 276: Scaffolds (Part A & B), 08: Ladder Safety, and 16 & 280: Fall Protection (Subpart M – Parts A & B) for additional information pertinent to scaffold, ladder, and fall protection safety.



Work Site Review

Work-Site Hazards and Safety Suggestions: _____

Personnel Safety Violations: _____

Employee Signatures:

(My signature attests and verifies my understanding of and agreement to comply with, all company safety policies and regulations, and that I have not suffered, experienced, or sustained any recent job-related injury or illness.)

Cherry Hill Glass Foreman/Supervisor's Signature: _____

These guidelines do not supercede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.