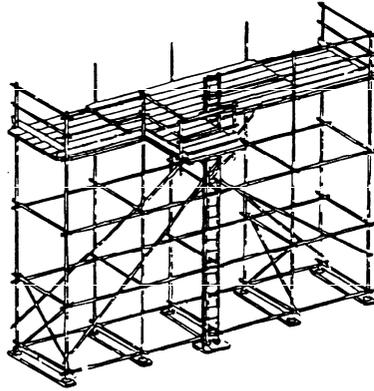


## §1926.450 - SUBPART L SCAFFOLDS

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## §1926.450 - SUBPART L

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### Purpose

- Updates the existing standard to include types of scaffolds such as catenary and step and trestle.
- Allows flexibility in the use of fall protection systems to protect employees.
- Simplifies language, eliminates duplicative, outdated provisions, consolidates overlapping requirements.
- Allows employers compliance flexibility.

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# Organization of Standard

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- 1926.450 Scope, application and definitions applicable to this subpart
- 1926.451 General requirements
- 1926.452 Additional requirements applicable to specific types of scaffolds
- 1926.453 Aerial lifts
- 1926.454 Training
- Appendix A - Scaffold Specifications
- Appendix B -(Reserved) Criteria for Determining the Feasibility of Providing Safe Access and Fall Protection for Scaffold Erectors and Dismantlers
- Appendix C - List of National Consensus Standards
- Appendix D - List of Training Topics for Scaffold Erectors and Dismantlers
- Appendix E - Drawings and Illustrations

## §1926.450 - SUBPART L Effective Dates

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- Effective on November 29, 1996, except for §1926.453(a)(2).
- Paragraphs (e)(9) and (g)(2) of §1926.451, which address safe access and fall protection for employees erecting and dismantling supported scaffolds is effective September 2, 1997.

## §1926.450 - SUBPART L

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### *Major issues resolved:*

- 10 foot trigger height for fall protection on scaffolds.
- 38 inch minimum guardrail height where guardrail is primary fall protection.
- 36 inch minimum guardrail height where fall arrest systems are primary fall protection.

## §1926.450 - SUBPART L

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### *Major issues resolved:*

- Requires, after 1 year, that the competent person determines feasibility of providing fall protection for built-up scaffold erectors and dismantlers.
- Provides for use of crossbracing as guardrail, under certain conditions, in lieu of either a midrail or a toprail.

## §1926.450 Scope, Application

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- Covers all scaffolds used in workplaces.
- Does not apply to crane or derrick suspended personnel platforms, which are covered by §1926.550(g).
- Aerial lifts are covered §1926.453.



## §1926.451 General Requirements For All Scaffolds

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- (a) Capacity
  - support own weight and 4 X the maximum intended load.
  - suspension rope & hardware, 6 X the maximum intended load.
  - stall load of scaffold hoist not to exceed 3 times its rated load.
  - designed by a qualified person and built and loaded to design.

## §1926.451 General Requirements For All Scaffolds (con't)

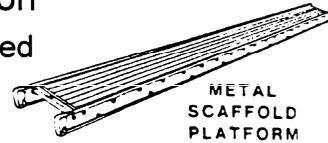
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- (b) Scaffold platform construction

- Platforms fully planked or decked

- no more than 1" gaps
- maximum openings of 9½"
- scaffold platforms and walkways 18" wide
- ladder jack, top plate bracket, roof bracket, and pump jack scaffold at least 12" wide
- guardrails and/or personal fall arrest systems for platforms and runways not 18" wide



## §1926.451 General Requirements For All Scaffolds (con't)

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- (b) Scaffold platform construction(con't)

- Front edge of all platforms

- No more than 14" from the face of the work
- 3" from the face for outrigger scaffolds
- 18" from the face for plastering and lathing operations

- Platforms 10' and less to extend at least 6" but not more than 12" past support unless designed and installed and/or guarded properly

- Platforms greater than 10' no more than 18" past support unless designed and installed and/or guarded properly

## §1926.451 General Requirements For All Scaffolds (con't)

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- (b) Scaffold platform construction(con't)
  - Each abutted end of plank shall rest on a separate support surface.
  - Overlap platforms not less than 12" only over supports, unless restrained to prevent movement.
  - On direction changes, any platform on a bearer at other than a right angle shall be laid first, and platforms which rest at right angles over the same bearer laid second.

## §1926.451 General Requirements For All Scaffolds (con't)

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- (b) Scaffold Platform Construction(con't)
  - » No paint on wood platforms, except edges that may be marked for identification
  - » Fully planked between front upright and guardrail support
  - » No mixed scaffold components used unless compatible and integrity maintained
  - » No modification of mixed scaffold components unless a competent person approves
  - » No components of dissimilar metals unless approved by competent person



## §1926.451 General Requirements

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### ●(c) Criteria for supported scaffolds

- » Higher than 4:1 ratio restrained from tipping by guys, ties, or equivalent.
- » Guys, ties, installed per recommendations or at the closest horizontal member to the 4:1 height
- » Bear on adequate foundations
- » Plumbed and braced



## §1926.451 General Requirements<sub>(con't)</sub>

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### (d) Criteria for Suspension Scaffolds

- Support devices, 4 X the imposed load.
- Outrigger beams; metal or equal and restrained
- Stabilize outrigger beams
- Direct connections evaluated by competent person
- Counterweights
- Construction requirements for outrigger beams
- Minimum lengths for suspension ropes on hoists
- No repaired wire rope

