



Scaffolds

Safety Reference Card

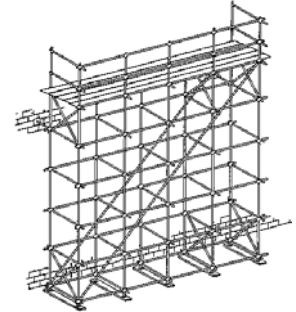
Definition

Competent Person – one who is capable of identifying existing and predictable hazards in the surroundings, or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

General Requirements

Capacity

- Scaffold system and components shall be capable of supporting its own weight and 4x the intended load
- Suspension rope and hardware on non-adjustable suspension scaffolds shall support its own weight and 6x intended load
- Scaffolds shall be designed by a qualified person



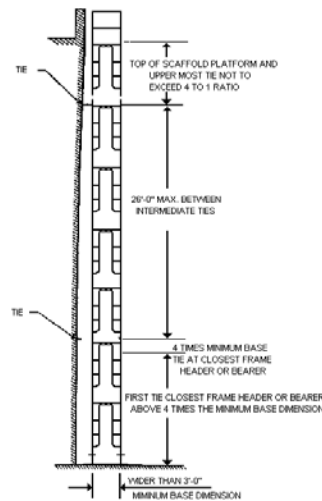
Scaffold platform construction

- All platforms (working levels) shall be fully decked
- Maximum gap between planks shall be no more than 1"
- Maximum opening on platform (plank to upright) shall be no more than 9 1/2" (employer must demonstrate need)
- Each platform and walkway shall be at least 18"
 - Ladder-jack platform no less than 12"
- The front edge of all platforms shall be no further than 14" from face of the work
 - Maximum distance from the face for outrigger scaffolds is 3"
 - 18" distance allowed for plastering and lathing operations
- Each end of a platform (10' or less) must extend over its support at least 6" but no more than 12"
- Each end of a platform (greater than 10') must extend over its support at least 6" but no more than 18"
- When platforms overlap, the overlap shall occur over supports and shall not be less than 12" unless restrained
- On platforms where a change in direction occurs, the platform not resting at a 90 degree angle over a support shall be laid first
- Wood platforms shall not be covered with opaque finishes
- Mixed scaffold components shall not be used
- Scaffold components of dissimilar metals shall not be used

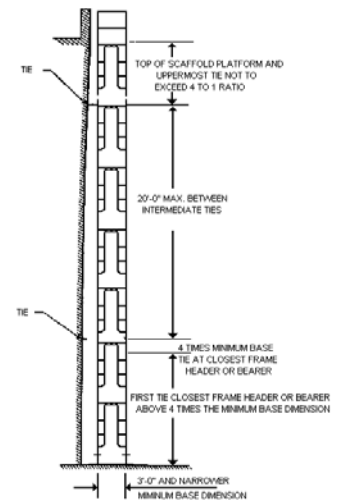
Criteria for supported scaffolds

- Supported scaffolds shall be supported (tied, anchored) at manufacturer's specifications or no greater than 4:1
- Intermediate ties on scaffolds 3' wide or less, at least every 20'
- Intermediate ties of scaffolds wider than 3', at least every 26'
- Horizontal ties shall not exceed a distance of 30' (east/west)
- Scaffold poles, legs, and posts shall bear on adequate foundations (mudsills for mud/dirt)
- Unstable objects shall not be used to support scaffolds or platform units
- Front-end loaders shall not be used to support scaffold platforms unless designed to do so
- Forklifts shall not be used to support scaffold platforms unless the platform is attached to the fork and the forklift is not moved
- Poles, legs, and posts shall be plumb and braced to prevent swaying

MAXIMUM VERTICAL TIE SPACING
WIDER THAN 3'-0" BASES



MAXIMUM VERTICAL TIE SPACING
3'-0" AND NARROWER BASES



Criteria for suspension scaffolds

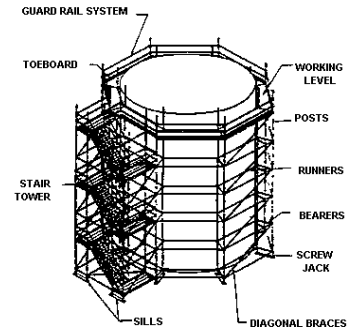
- All suspension scaffold outrigger beams, clamps and other support devices shall rest on surface capable of supporting 4x the load
- Outrigger beams shall be made of metal or equivalent strength material and restrained to prevent movement
- Suspension scaffolds shall be evaluated by a competent person to ensure load requirements
- The use of repaired wire rope is prohibited
- Ropes shall be inspected by a competent person before use and after any integrity altering occurrence
- Gasoline-powered equipment and hoists shall not be used on suspension scaffolds
- Suspension scaffolds shall have a braking device or locking pawl
- Manual operated hoists shall require a positive crank force to descend
- 2-point and multi-point suspension scaffolds shall be tied to prevent swaying
- Emergency escape, rescue devices shall not be used as platforms (feet always on the deck)

Access

- Access (ladder, stair-system, personal hoist) shall be utilized at 24" break from/to scaffold
- Rest platforms on ladders shall be provided at 35' intervals (or less)
- Rest platforms on stair-systems shall be provided at 12' intervals (or less)
- Ramps and walkways 6' or more above a lower level shall have guardrail systems
- No ramp or walkway shall be inclined more than a slope of 1:3

Use

- Scaffolds and components shall not be loaded in excess of their capacities
- The use of shore-to-lean scaffolding is prohibited



INSPECTIONS

Scaffolds and scaffold components shall be inspected for visible defects by a competent person before each work shift and after any occurrence which could affect a scaffold's structural integrity

- Any damaged scaffold components shall immediately be repaired or replaced
- Scaffolds shall be at a safe distance from powerlines, minimum of 10'
- Scaffolds shall be erected, moved and/or dismantled under the supervision of a competent person qualified in erection/dismantling
- Working on scaffolds during storms and high winds is prohibited
- Debris shall not be allowed to accumulate on scaffolds
- No makeshift devices (to increase work height) used on scaffolds
- Ladders used on scaffolds to increase working height must be thoroughly secured
- Platforms shall not deflect more than 1/60 of the span when loaded

Fall protection

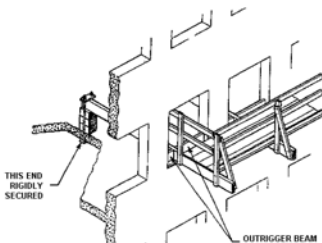
- Each employee on a scaffold more than 10' above a lower level shall be protected (guardrails, PFAS, etc.)
- Each employee on a single/two point adjustable suspension scaffold shall be protected by guardrails and a PFAS
- Guardrail systems (including midrails) shall be installed along all open sides and ends of the scaffold (the top edge height between 38" and 45")

Falling object protection

- Employees subject to falling objects shall be protected by barricades, toeboards, screens, and hard hats
- Toeboards shall be at least 3 1/2" high

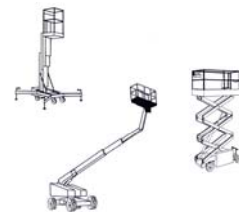
Additional requirements for specific types of scaffolds

- Pole scaffolds over 60', Tube and Coupler scaffolds and Fabricated Frame scaffolds over 125', and Outrigger scaffolds shall be designed by a professional engineer
- Horse scaffolds shall not be constructed more than two tiers or 10' in height, whichever is less
- Ladder Jack scaffolds shall not exceed a height of 20'
- Chicken ladders shall be used on roofs only
- Swing stage platforms shall be no more than 36" wide
- Mobile scaffold wheels or casters shall be locked when in use



Aerial Lifts (Boom lifts)

- No modifications to the aerial lift unless written permission from the manufacturer
- Aerial lift controls shall be tested each day before use
- Only authorized persons shall operate aerial lifts
- Always "belt off" with a lanyard and harness while in the basket of a boomlift/ extensible boom platform (no belting off to any adjacent structure)
- Employees shall stand firmly on deck, basket or platform when working off an aerial lift



Scissors and Booms

- Shall be inspected before use
- Never raise a lift unless on a level surface
- Never climb on the scissor/boom or protective guardrail
- Keep all body parts inside the basket/deck area
- Be aware of all overhead obstructions including powerlines

TRAINING REQUIREMENTS (all scaffold systems)

*All employees that perform work off scaffolds shall be trained to recognize hazards associated with the type of scaffold being used