

## ANSI Standard A10.8-2001 Safety Requirements for Scaffolding - American National Standard for Construction and Demolition Operations

### Scope and Application:

Note: This information sheet outlines only standard requirements pertaining to Ladder –Type Scaffolds or Platforms

The standard establishes safety requirements for construction, operation, and use of ladder - type scaffolds or platforms used in construction, alteration, demolition, and maintenance of buildings and structures.

### Part 17 Ladder –Type Scaffolds or Platforms

#### **General requirements:**

The standard requires the following condition to be met related to the designed, manufacturing, use of the ladder jack scaffolds:

- 1) The combined weight of the workers, planks, platforms, support equipment and any other equipment on the ladder jack scaffold shall not exceed the sum of rated capacity of the ladders;
- 2) Ladders shall be the following types:
  - Type I ( 250 lbs. or 113.4 Kg.)
  - Type IA (300 lbs. or 136.08 Kg.)
- 3) The maximum height of the work platform for ladder supported scaffolds using ladder jacks shall not exceed 20 feet (6.1 m) above the base of ladder;
- 4) Outriggers may be used to increase the base width of the ladder scaffold;
- 5) Support ladders shall be erected on a foundation that supports the ladder in a upright position when four times the expected design loads is applied vertically to the ladder system;
- 6) the foundation shall be free of loose materials or substances that could allow the ladders to slip laterally;
- 7) the maximum permissible span shall be consistent with allowable bearer loads;
- 8) planks and platforms shall be securely fastened to the supporting members to prevent lateral movements, and shall overhang or be directly connected to the supporting members;
- 9) the width of the planks and platforms comply with codes specific to each jurisdiction;
- 10) the maximum length of the planks or platform, shall be 28 ft. ( 8.53 m.) unless specifically designed for the application
- 11) ladder jack scaffolds shall be limited to only one person when wood planks or fabricator decorator planks are used;
- 12) ladder jack scaffolds shall be limited to only two persons when fabricated scaffolds planks are used, but only one person shall stand on each half of the plank;
- 13) minimum width of the wood planks shall be 18 inch ( 45.7 cm) and 12 inch ( 30.5 cm.) for fabricated platforms
- 14) The brackets shall be designed to meet all the load requirements outlined in this standard for the normally intended methods of attachment to the ladder;
- 15) Ladder jacks shall be designed and constructed that they will bear on the side of the rails in addition to the ladder rungs or if bearing on the rungs only, the bearing area shall include a length of at least 10 inches (25.4 cm) on each rung;
- 16) Ladder jacks shall not be placated higher than the second rung from the top, and never above the upper supports of the ladder;
- 17) The extension or single ladder shall be erected at 57-1/2 degrees from the horizontal,
- 18) The upper and the lower ends of the ladders shall be secured during their erection and their use
- 19) Each worker on the ladder jack scaffold shall use fall protection equipment.

**This bulletin contains a summary of excerpts taken from the Standard, for general information purposes only. This bulletin is not reflective of the complete requirements that the Standard prescribes.**

Note: *Manitoba Regulation M.R. 217/2006 Section 1.4 inconsistency:*

If there is an inconsistency between this regulation and a requirement contained in a publication, code or standard referenced in this regulation, the provisions in this regulation prevail.