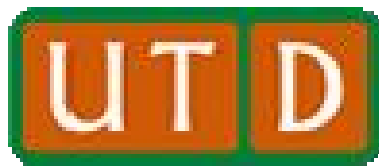


The University of Texas at Dallas Scaffold Safety Manual



SCAFFOLD SAFETY

I. PURPOSE

This section reviews safety procedures for the construction and use of scaffolding.

II. PROCEDURES

- A. Scaffolds shall be erected in accordance with applicable Federal and State regulations. They may only be erected, moved, dismantled, or altered under the supervision of a recognized expert.
- B. The footing or anchorage for scaffolds shall be sound, rigid, and capable of carrying at least 4 times the maximum intended load without settling or displacement. Unstable objects such as barrels, boxes, loose bricks, and concrete blocks shall not be used to support scaffolds or planks. In addition, the scaffold components shall be capable of supporting at least 4 times the maximum intended load.
- C. Only welded tubular scaffolding will be used.
- D. Spacing of panels or frames shall be consistent with the loads imposed. Panels shall be locked by pins or other equivalent suitable means.
- E. Scaffolds shall be properly braced by cross-bracing or diagonal braces or both for securing vertical members together laterally, and the cross braces shall be of such length as will automatically square and align vertical members so that the erected scaffold is always plumb, square, and rigid. All brace connections shall be made secure.
- F. Frames shall be placed one on top of the other with couplings or stacking pins to provide proper vertical alignment of the legs.
- G. To prevent movement, the scaffold shall be secured to the building or structure at intervals not to exceed 30 feet horizontally and 26 feet vertically.
- H. All planking shall be scaffold grades or equivalent as recognized by approved grading rules for the species of wood used. The maximum permissible span for a 2" x 10" plank will be 8 feet. The floor of scaffold must be covered totally within framework of the scaffold.
- I. All planking shall be overlapped a minimum of 12 inches.
- J. Scaffold planks shall extend over their end supports not less than 6 inches and not more than 12 inches.
- K. Guardrail and toe boards shall be installed on all open sides and ends of platforms more than 10 feet above the ground or floor. Toe boards shall be a minimum of 4 inches in height.

- L. Where persons are required to work or pass under the scaffolds, scaffolds shall be provided with warning signs and a screen between the toe board and the guardrail, extending along the entire opening and consisting of #18 gauge U.S. standard wire on-half inch mesh (or the equivalent).
- M. Overhead protection shall be provided for persons on a scaffold where exposed to overhead hazards.
- N. Slippery conditions on scaffolds shall be eliminated as soon as possible after any such conditions occur.