

Carpentry & Building Construction

Chapter 14 Structural Systems

Section 14.1 Assessment Answers

1. Joists, studs, beams, and rafters.
2. Platform-frame construction and balloon-frame construction.
3. A design value table summarizes the results of laboratory stress tests on wood and is used to determine how wood will behave.
4. A live load is weight that is not permanently attached, such as furniture and people.
5. Tension parallel to grain.

Section 14.2 Assessment Answers

1. Common nails have large heads and are intended for structural uses where the visibility of the head is not objectionable. Finish nails have small heads and are primarily used in finish work.
2. Deformed-nail shanks are best for applications that require extra holding power.
3. Galvanizing deposits a layer of zinc on all sides. This protects the metal by slowing corrosion.
4. Joist hanger, I-joist hangers, ties and straps
5. Reports will vary.