

Fire Engineering

Company Training Drill

NFPA Objectives (JPR's)	Job Levels	Critical Safety Points
<ul style="list-style-type: none"> NFPA 1001, 1021, 1521 	<ul style="list-style-type: none"> All suppression personnel Incident Safety & IC's 	<ul style="list-style-type: none"> Materials, failure points, terms

Building Construction Review Quiz

Using local definitions and reference sources, check your knowledge of basic building construction terms and principles. Your ability to size-up and assess incident conditions that may affect your survival depend on you knowing this information!

- What is known as the eternal enemy to all types of buildings?
 - Gravity
 - Fire
 - Dead Loads
 - Mother nature
- All of the following are common features found in ordinary construction buildings **except**:
 - Non-bearing interior wood walls and finishing
 - Structural masonry walls
 - Void spaces
 - Light weight truss and gusset plate fasteners
- Which of the following is a typical indicator of ordinary construction building failure?
 - Smoke or water flowing through the walls
 - Soft floors
 - Walls out of plumb
 - All of the above are indicators
- What is the major difference between noncombustible construction and fire resistive construction?
 - Lack of suppression systems
 - Level of fire resistance
 - Level of fire retardant on steel members
 - The materials used for construction
- A free-standing wall unsecured at the top that can be extremely hazardous during a fire is which type of wall?
 - Cross
 - Composite
 - Cantilevered
 - Cavity
- What does the observation of a steel beam bending under fire warn firefighters of?
 - Nothing, this is to be expected and it will return to its normal shape when cooled
 - Imminent failure
 - Imminent ignition
 - Improper installation during construction



Drill Assigned to:	Local Drill Applications	Date of Drill:
SOG #:	Reading Assignment:	Practical Assignment:

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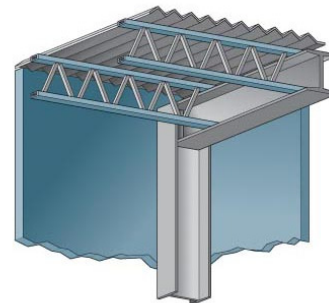
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- What name is given to the top and bottom members of a truss?
 - Chords
 - Struts
 - Ties
 - Webs
- What are the two predominant types of wood frame construction?
 - Platform and beam
 - Balloon and ordinary
 - Platform and Balloon
 - Studded and non-studded
- Pitched, curved and flat are types of:
 - Awnings
 - Stairways
 - Wood floor structures
 - Roofs
- Thin sheets of wood that are glued together and are subject to failure if heated are called:
 - Wood panels
 - Laminated wood
 - Wood trusses
 - Wooden beams



11. Name the construction type pictured here and the name of the connecting component in the top center of the photo.



12. Name the construction type pictured here.

1. A 2. D 3. D 4. B 5. C 6. B 7. A 8. C 9. D 10. B 11. Wood frame; Gusset plate 12. Non-combustible

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