

STEEL QUIZ

STEEL QUIZ, A MONTHLY FEATURE IN *MODERN STEEL CONSTRUCTION*, allows you to test your knowledge of steel design and construction. Unless otherwise noted, all answers can be found in the *LRFD Manual of Steel Construction*, 2nd edition.

If you or your firm are interested in submitting a Steel Quiz column, please contact Scott Melnick at 312/670-8311 or via email at melnick@aiscmail.com. Steel Quiz questions and answers may also be faxed to 312/670-0341.

The idea for this Steel Quiz came from the fertile imagination of Scott Melnick. The content is courtesy of the AISC Engineering and Research Department.

QUIZ

Many imaginative truss designs have been developed over the years to take advantage of the versatility of structural steel.

We scratched our heads and racked our brains (and dusted off our triangles) to sketch the following ten truss designs. Can you match each truss configuration with its name?

TRUSS NAMES

1. Fink gable truss
2. Lenticular truss
3. Howe gable truss
4. Warren bridge truss
5. Scissors truss
6. Bowstring truss
7. Howe bridge truss
8. Pratt bridge truss
9. Camelback truss
10. Vierendeel truss

(Turn page for answers)

A



B.



C.



D.



E.



F.



G.



H.



I.



J.



S T E E L Q U I Z

ANSWERS

- 1. C** Fink gable truss
- 2. E** Lenticular truss
- 3. D** Howe gable truss
- 4. I** Warren bridge truss
- 5. G** Scissors gable truss
- 6. J** Bowstring truss
- 7. A** Howe bridge truss
- 8. F** Pratt bridge truss
- 9. B** Camelback truss
- 10. H** Vierendeel truss