

# Structural Steel Erection

Catalog Number: C11810  
Exam Number: 911751  
Effective Date: 01/01/04

## License Information

**Scope** – Tests a candidate’s knowledge of the erection of structural steel shapes and plates, including such minor field fabrication as may be necessary, of any profile, perimeter, or cross-section that are or may be used as structural members for buildings and structures, including related metal decking, siding, joists, riveting, welding, and rigging.

## Examination Outline

**Open Book**  
**50 Questions – Three-hour time limit**  
**75% Correct required to pass**

Exam Topic	%
Structural Steel	20
Welding	12
Structural Steel – Bolting	8
Metal-Decking	12
Metal-Siding	6
Metal-Joists	10
Rigging	12
Safety	10
Estimating-Plan Reading	10

## References

The following references **are allowed** in the testing center.

1. Code of Federal Regulations, Title 29, Part 1926, (OSHA), 2002, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954.
2. *OSHA Excerpts for Contractors*, Third Edition, 2002, Prometric, www.prometric.com.

The following references were used to create exam questions but **are not allowed** in the testing center.

1. *Code of Standard Practice for Steel Buildings and Bridges*, 2000 Edition, American Institute of Steel Construction, One East Wacker Drive, Suite 3100, Chicago, IL 60601-2001.
2. *Handling and Erection of Steel Joists and Joist Girders, Technical Digest No. 9*, 1987 Edition, Steel Joist Institute, 3127 10<sup>th</sup> Avenue North, Myrtle Beach, SC 29577-6760.
3. *Modern Welding*, 2000, Goodheart-Willcox Company, Inc., 18604 West Creek Drive, Tinley Park, IL 60477-6243.
4. *Fundamentals of Building Construction: Materials and Methods*, Third Edition, 1999, Wiley Publishing Inc., 10475 Crosspoint Blvd., Indianapolis, IN 46256.
5. *Handbook of Rigging: For Construction and Industrial Operations*, Fourth Edition, 1988, McGraw-Hill Publishing, Inc., P.O. Box 182604, Columbus, OH 43272.
6. *Manual of Steel Construction: Allowable Stress Design*, Ninth Edition, 1989, American Institute of Steel Construction, One East Wacker Drive, Suite 3100, Chicago, IL 60601-2001.

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