

# Department of Human Resources & Examinations

## Louisiana State Licensing Board for Contractors

LSLBC

### 1.12 Steel Erection and Installation

*The fabrication, erection, welding, bolting, construction, or repair of structural steel, reinforcing steel, ornamental iron, reinforcing rods and wire mesh, metal buildings, metal framing, metal siding, metal roofing, and sheet metal structures. Includes such structures as metal building frames and steel structures for highway bridges, oil drilling rigs, towers, complete storage facilities, grain elevators, silos, warehouses, tanks, floating roofs and metal covers, canopies, etc. Does not include steel piping except the terminal piping connection to tanks. Includes all painting, coating, and blasting of such structures. Steel erection and installation is a subclassification of Building Construction.*

# Introduction



Steel Erection and installation is a closed book examination with 50 multiple-choice questions and a minimum passing score of 70. You will have two hours to complete this examination.

This bulletin contains only a representative sample of the many good references available on the subject at the time the list was compiled. It is not a comprehensive listing. Please note that it is not necessary to read all of the books in order to pass the examination. Rather, this list is intended to suggest what types of references might be useful in helping to acquire the basic knowledge needed to perform this type of work. Often the best preparation is training through a mentor or through a company or organizational training program, or a higher educational or vocational educational training program, etc., along with actual experience.

We try to keep this list current with books in print, but some books go out of print from time to time. These books may be available in your local library's collection or through the services of Inter-Library Loan. If still in print, these books may also be available through your local bookstore or by contacting the publisher. All references available via the internet are followed by the appropriate website address for obtaining the reference. From time to time, website addresses may change and no longer be available. In such cases, please search for the appropriate new website address or contact the publisher or a library to obtain a copy.

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## References

*Hanford Site Hoisting and Rigging Manual*, DOE-RL-92-36; U. S. Department of Energy, HanfordSite; Hanford, WA; 2014. <http://www.hanford.gov/page.cfm/HoistingRiggingManual>

*Metal Fabrication: A Practical Guide*, Third Edition; O'Con, Robert L. and Carr, Richard H.; Fabricators & Manufacturer's Association, International, Rockford, IL.

*Modern Welding*; Althouse, Andrew D., et. al.; The Goodheart-Willcox Co., Inc.; South Holland, IL.

*Welding Technology*; Kennedy, Gower A.; Glencoe Publishing Co.; Encino, CA.

*A Guide to Scaffold Use in the Construction Industry, Small Business Safety Management Series, OSHA 3150 (Revised); Occupational Safety and Health Administration; Washington, DC; 2002.* May be found at <https://www.osha.gov/Publications/osha3150.pdf>

*Fall Protection in Construction, OSHA 3146-05R 2015; Occupational Safety and Health Administration; Washington, DC; 2015.* May be found at <https://www.osha.gov/Publications/OSHA3146.pdf>.



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