

# Department of Examinations and Assessment

Louisiana State Licensing Board for Contractors

The logo for the Louisiana State Licensing Board for Contractors (LSLBC) consists of the letters "LSLBC" in white, bold, sans-serif font, centered within a dark blue rounded rectangle. To the right of the rectangle is a vertical dark blue bar.

7-111 Tower Construction

## Classification Description

Refers to the construction, erection or repair of towers of various types including fire towers, water towers, and telecommunications towers; Includes access road, instrumentation shed, fencing, foundation, antennas, structural steel, etc. related to towers.

**Tower Construction** is a **closed book** examination with 100 multiple-choice questions. You will have **four hours** to complete this examination.

Listed below is only a sample of the many good references available on this subject which may be helpful in studying for this examination. This 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 books might be useful in helping to acquire the basic knowledge needed to perform this type of work.

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 your local library by using 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.

### Content Outline

Site Design and Maintenance	7%	Appurtenances	14%
Site Construction and Foundations	13%	Safety	17%
Erections	15%	Tower Modifications	11%
Electrical and Grounding	11%	Tower Industry Standards	12%

**ACI 318**; American Concrete Institute.

**American Electricians' Handbook; Fifteenth Edition**; Croft, Terrell, Wilford I. Summers, and Frederic P., Hartwell; McGraw Hill; NY.

**ANSI/TIA Standards; 1019-A**; Standard for Installation, Alteration and Maintenance of Antenna Supporting Structures and Antennas, September, 2012.

**ANSI/TIA Standards 222 G**; Electronic Industries Alliance/Telecommunication Industries Association.

**Code of Federal Regulations 29:1926**; U.S. Department of Labor, Occupational Safety and Health Administration; Washington, DC.

**ComTrain's Tribute to Safety; Fourth Edition**; Winton Wilcox, Jr., Ed.; ComTrain Texas, LLC, Austin, TX; 2013.

## References Continued

**Concrete Manual**; Waddell, Joseph J.; International Conference of Building Officials; Whittier, CA; 1992.

**Hoisting and Rigging, DOE Standard 1090-2001**; U. S. Department of Energy; Washington, DC; 2001.

<http://energy.gov/ehss/downloads/doe-std-1090-2004>

**National Environmental Policy Act**; <http://www.epa.gov/compliance/nepa/index.html>

**FAA Advisory Circular 70/7460 1-K**; <http://www.faa.gov>

**Louisiana One Call**; [http://www.laonecall.com/contact\\_us.htm](http://www.laonecall.com/contact_us.htm)

**National Historic Preservation Act, 1966 as amended (2000)** <http://www.nps.gov/history/local-law/nhpa1966.htm>;

**Microwave Facilities & Regulations**; Kurcina, Edward; abcTeleTraining, Inc.; 1987.

**NATE Hazard Recognition Guide, "RF Hazard Consideration"**; National Association of Tower Erectors; 2013.

**National Association of Broadcasters Engineering Handbook**; Tenth Edition; Williams, Edmund A., Editor-in-Chief, et.al; Focal Press; Burlington, MA; 2007.

**Tower Construction & Technology**; Wilcox, Winton W., Jr., Editor; ComTrain, LLC; Austin, TX; 1999.

**Tower Manual**; U. S. Department of Transportation and U. S. Coast Guard; Washington, DC; 2002.

**Up the Tower: The Complete Guide to Tower Construction**; Steve Morris; Champion Radio Products; Redmond, WA; 2009.

**Welding Technology; Second Edition**; Kennedy, Gower A.; Glencoe Publishing Co.; Encino, CA; 1982.