

Department of Examinations and Assessment

Louisiana State Licensing Board for Contractors

LSLBC

Mechanical Work (Statewide)

Mechanical Work (Statewide) is a **closed book** examination with 100 multiple-choice questions which are equally weighted. You will have **4 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

Plumbing and Gas Piping	20%	Piping Systems and Hydronics (Commercial, Residential and Industrial)	19%
Project Management, Estimating and Plan Reading	15%	Instrumentation (Controls, Balancing)	9.2%
HVAC and Refrigeration Systems	19%	Solar and Alternative - Energy Systems	2.8%
Air Distributions Systems and Ventilation	15%		

Differences in Mechanical Work Classifications:

Mechanical Work (Statewide) – May bid, contract and perform any kind of mechanical work without limit anywhere throughout the state. Exempt from any local licensing exam. Local license must still be obtained as required. Employees not required to hold a separate license to perform mechanical work or pull permits. Exempt from all Fire Marshal licensing requirements for piping for fire sprinkler systems.

Mechanical Work (Restricted) - May bid, contract and perform any kind of mechanical work without limit anywhere throughout the state. Must take any local licensing exam required for any local license and obtain local license as required. Employees can be required to obtain separate local license and/or take separate local exam.

Mechanical Work (Act 725 – Restricted) - May bid, contract and perform any kind of mechanical work without limit but only within the parishes stated on the license. Exempt from any local licensing exam. Local license must still be obtained as required. Employees not required to hold a separate license to perform mechanical work or pull permits.

References

Modern Refrigeration and Air Conditioning; Althouse, A. D., et al; Goodheart-Willcox Publisher; Tinley Park, IL. <http://www.g-w.com/modern-refrigeration-air-conditioning-2014>

Trane Air Conditioning Manual; The Trane Company; La Crosse, WI. The following link is for ordering a hard copy of this publication:
<http://www.trane.com/COMMERCIAL/DNA/View.aspx?i=491>

2012 International Mechanical Code; International Code Council; Country Club Hills, IL; 2011.

AHRI Fundamentals of HVAC/R; Stanfield, Carter and Skaves, David; AHRI Air–Conditioning, Heating, and Refrigeration Institute; Prentice-Hall, Pearson Education, Inc.; Upper Saddle River, NJ; 2010

Managing the Construction Process, Fourth Edition; Gould, Frederick; Prentice-Hall, Pearson Education, Inc.; Upper Saddle River, NJ; 2011.

Solar Water Heating Systems: Fundamentals and Installation; International Pipe Trades Joint Training Committee, Inc.; American Technical Publishers; Annapolis, MD; 2013.

Basic Plumbing with Illustrations, Revised Edition; Massey, Howard C.; Craftsman Book Company; Carlsbad, CA; 1997.

MCAA Project Manager’s Manual; Mechanical Contractors Association of America; Rockville, MD; 2006.