

## License Information

**Scope** – Tests a candidate's knowledge of sheet metal design and fabrication, intended for the installation, replacement, repair, alteration, and extension of ferrous and non-ferrous ducting in ventilation and exhaust systems.

## Examination Outline

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

| Exam Topic                  | %  |
|-----------------------------|----|
| HVAC/R Equipment            | 25 |
| Controls                    | 19 |
| Ventilation                 | 13 |
| Chimneys, Flues and Exhaust | 13 |
| Ductwork                    | 12 |
| Sizing and Estimating       | 12 |
| Safety                      | 6  |

## References

**NOTE:** The following references were used to develop this exam. With the exception of the Code books, you may use newer editions of references as they become available at your own discretion. However, newer editions may or may not contain applicable information to the content on the exam. You assume the risk of using a more current reference than that listed below. In regards to Code books, **only** the edition of the Code book listed below will be allowed into the test site.

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

1. *International Fuel Gas Code*, 2009, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
2. *International Mechanical Code*, 2009, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, [www.iccsafe.org](http://www.iccsafe.org).
3. *29 CFR 1926 OSHA Construction Industry Regulations*, July 1, 2009, MANCOMM, 315 West 4<sup>th</sup> Street, Davenport, IA 52801.
4. *ACCA Duct Slide Rule*, Air Conditioning Contractors of America, 2800 Shirlington Road, Suite 300, Arlington, VA 22206, [www.acca.org](http://www.acca.org).

5. *Fibrous Glass Duct Construction Standards, Low Velocity Systems 2*, Fifth Edition, 2002, North American Insulation Manufacturers Association (NAIMA), 44 Canal Center Plaza, Suite 310, Alexandria, VA 22314, free download from [www.naima.org/pages/resources/library/order/AH116.HTML](http://www.naima.org/pages/resources/library/order/AH116.HTML). **NOTE:** This is the **ONLY** reference that may be brought into the exam room in loose-leaf format.

The following reference was used to create exam questions but **is not allowed** in the testing center.

1. *Code of Federal Regulations*, Title 29, Part 1926 (OSHA), July 1, 2009, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954, [www.access.gpo.gov](http://www.access.gpo.gov).

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